

GORDIAN[®]

Job Order Contract Construction Task Catalog[®]

CSI Divisions 01-50 2024

**County of Monterey
Facilities**



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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Monterey**, priced locally using current labor, material and equipment costs, and published in May 2024.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Monterey**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



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The Unit Prices Include:

LABOR COSTS:

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.

- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for Tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	----------------------

- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- All labor, material, equipment, spare parts, and documents required by a Technical Specification shall be considered included in the unit price, unless the Task description states otherwise.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or

other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and

transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

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

FIELD ENGINEERING:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the

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Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** –

Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.
 - Asphalt** = 1.25
 - Concrete** = 1.40

CONVERSIONS:

- 1 Acre** = 43,560 Square Feet = 4046.8 Square Meters
- 1 Board Foot** = 12" x 12" x 1" = 144 Cubic Inches
- 1 Centimeter** = 0.3937 Inches = 0.0328 Feet
- 1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters
- 1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet
- 1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters
- 1 Foot** = 12 Inches = 0.3048 Meters
- 1 Inch** = 2.54 Centimeters = 0.0254 Meters
- 1 Kilogram** = 2.2046 Pounds
- 1 Kilometer** = 0.6214 Miles = 3280 Feet
- 1 Meter** = 100 Centimeters = 3.2808 Feet
- 1 Mile** = 5280 Feet = 1.6093 Kilometers
- 1 Pound** = 0.4536 Kilograms
- 1 Square Foot** = 144 Square Inches = .0929 Square Meters
- 1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet
- 1 Square Yard** = 9 Square Feet = 0.8361 Square Meters
- 1 Ton** = 2000 Pounds = 907.185 Kilograms
- 1 Yard** = 3 Feet = 0.9144 Meters

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

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{ height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{ height}$

Sphere

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

$\pi = 3.14159$

United Inch

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

TRADEMARKS

- Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting



General Requirements		01
Summary		01 10
Summary Of Work		01 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 General Requirements

01 10 Summary ⁽⁰¹⁾

01 11 Summary Of Work ^(01 10)

01 11 13 Work Covered by Contract Documents ^(01 11)

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE Work Covered by Contract Documents	0.00
------------------	--	------

Note: For specification publishing. Review specifications for requirements.

01 20 Price and Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment ^(01 22)

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

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

01 22 16 00-0002	EA Reimbursable Fees.....	1.00
------------------	---------------------------	------

Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

01 22 16 00-0003 Negotiated Travel Costs ^(01 22 16)

Note: To be used only at the request of authorized personal for non-commuting travel costs.

01 22 16 00-0004	EA Negotiated Travel Costs	1.00
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Note: Supporting documentation must be included with each Work Order.

01 22 20 Wage Rates ^(01 22)

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

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

01 22 20 00-0002	HR Asbestos Removal Worker	91.93
------------------	----------------------------------	-------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	4.60
	For Apprentice, Deduct	-18.39

01 22 20 00-0003	HR Insulator.....	122.00
------------------	-------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	6.10
	For Apprentice, Deduct	-24.40

01 22 20 00-0004	HR Boilermaker.....	109.71
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	5.49
	For Apprentice, Deduct	-21.94

01 22 20 00-0005	HR Brick Layer.....	108.51
------------------	---------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	5.43
	For Apprentice, Deduct	-21.70

01 22 20 00-0006	HR Carpenter.....	125.96
------------------	-------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	6.30
	For Apprentice, Deduct	-25.19

01 22 20 00-0007	HR Carpet, Linoleum	127.88
------------------	---------------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	6.39
	For Apprentice, Deduct	-25.58

01 22 20 00-0008	HR Cement Mason	95.77
------------------	-----------------------	-------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	4.79
	For Apprentice, Deduct	-19.15

01 22 20 00-0009	HR Drywall Finisher	119.86
------------------	---------------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	5.99
	For Apprentice, Deduct	-23.97

01 22 20 00-0010	HR Electrician, (Inside Wireman).....	121.54
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	6.08
	For Apprentice, Deduct	-24.31

01 22 20 00-0011	HR Equipment Operator, Crane (Group 1-A).....	126.31
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

01 22 20 00-0012	HR Equipment Operator, Crane (Group 2-A).....	123.88
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Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

	For Foreperson, Add	6.19
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01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0013 HR Equipment Operator, Crane (Group 3-A).....	121.52	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0014 HR Equipment Operator, Medium (Group 3).....	120.99	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.05	
For Apprentice, Deduct	-24.20	
01 22 20 00-0015 HR Equipment Operator, Medium (Group 4).....	119.07	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0016 HR Equipment Operator, Medium (Group 5).....	117.33	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017 HR Equipment Operator, Light (Group 6).....	115.51	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.78	
For Apprentice, Deduct	-23.10	
01 22 20 00-0018 HR Equipment Operator, Light (Group 7).....	113.94	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019 HR Equipment Operator, Light (Group 8).....	112.39	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020 HR Glazier.....	117.90	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.90	
For Apprentice, Deduct	-23.58	
01 22 20 00-0021 HR Laborer.....	89.23	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022 HR Lather.....	118.19	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.91	
For Apprentice, Deduct	-23.64	
01 22 20 00-0023 HR Marble Setter.....	119.62	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.98	
For Apprentice, Deduct	-23.92	
01 22 20 00-0024 HR Millwright.....	122.86	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.14	
For Apprentice, Deduct	-24.57	
01 22 20 00-0025 HR Mold Removal Worker.....	91.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.58	
For Apprentice, Deduct	-18.32	
01 22 20 00-0026 HR Painter, Ordinary.....	104.05	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.20	
For Apprentice, Deduct	-20.81	
01 22 20 00-0027 HR Painter, Structural Steel.....	107.90	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.40	
For Apprentice, Deduct	-21.58	
01 22 20 00-0028 HR Paperhanger.....	104.05	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.20	
For Apprentice, Deduct	-20.81	
01 22 20 00-0029 HR Pile Drivers.....	135.87	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.79	
For Apprentice, Deduct	-27.17	
01 22 20 00-0030 HR Plasterer.....	114.98	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.75	
For Apprentice, Deduct	-23.00	
01 22 20 00-0031 HR Plumber.....	121.87	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.09	
For Apprentice, Deduct	-24.37	
01 22 20 00-0032 HR Powderman.....	93.66	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	4.68	
For Apprentice, Deduct	-18.73	
01 22 20 00-0033 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	103.99	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	5.20	
For Apprentice, Deduct	-20.80	
01 22 20 00-0034 HR Roofer, Composite.....	131.19	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.56	
For Apprentice, Deduct	-26.24	
01 22 20 00-0035 HR Roofer, Metal.....	144.21	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	7.21	
For Apprentice, Deduct	-28.84	
01 22 20 00-0036 HR Roofer, Tile/Slate.....	127.05	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreperson, Add	6.35	
For Apprentice, Deduct	-25.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037 HR Sheet Metal Worker	135.72	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.79	
<i>For Apprentice, Deduct</i>	-27.14	
01 22 20 00-0038 HR Sprinkler Installer	90.84	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	4.54	
<i>For Apprentice, Deduct</i>	-18.17	
01 22 20 00-0039 HR Steam / Pipe Fitter	121.87	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	6.09	
<i>For Apprentice, Deduct</i>	-24.37	
01 22 20 00-0040 HR Stone Mason	108.51	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.43	
<i>For Apprentice, Deduct</i>	-21.70	
01 22 20 00-0041 HR Iron Worker (Structural)	107.14	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.36	
<i>For Apprentice, Deduct</i>	-21.43	
01 22 20 00-0042 HR Tile Layer	106.45	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.32	
<i>For Apprentice, Deduct</i>	-21.29	
01 22 20 00-0043 HR Terrazzo Worker	115.17	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	5.76	
<i>For Apprentice, Deduct</i>	-23.03	
01 22 20 00-0044 HR Truck Driver, Light (Group 1)	94.49	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	4.72	
<i>For Apprentice, Deduct</i>	-18.90	
01 22 20 00-0045 HR Truck Driver, Medium (Group 2)	94.93	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046 HR Truck Driver, Heavy (Group 3)	95.37	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<i>For Foreperson, Add</i>	4.77	
<i>For Apprentice, Deduct</i>	-19.07	
01 22 20 00-0047 HR Truck Driver, Heavy (Group 4)	95.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048 HR Class I Diver	227.63	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0049 HR Class III Diver Tender	153.49	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050 HR D1 Certified Welder	124.61	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0051 Rates For Services (01 22 20)		
01 22 20 00-0052 HR Watch/Guard Person, Unarmed	32.53	
01 22 20 00-0053 HR Watch/Guard Person, Armed	41.12	
01 22 20 00-0054 HR Surveyor (Rod Person)	115.08	
01 22 20 00-0055 HR Senior Surveyor (Party Chief)	127.05	
01 22 20 00-0056 HR Surveyor (Instrument person)	119.70	
01 22 20 00-0057 HR On-Site Certified Materials Testing Technician	91.05	
01 22 20 00-0058 HR Certified Industrial Hygienist	122.90	
01 22 20 00-0059 MI Mileage For Professional Services (Engineering, Surveying, Etcetera)	0.67	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0060 EA Security Badge, Processing Fee	90.28	
01 22 20 00-0061 HR Biologist	132.00	
01 22 20 00-0062 HR Ecologist	145.00	
01 22 20 00-0063 HR Fire Watch Laborer	89.23	
Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
01 22 20 00-0064 Rates For Project Management Services (01 22 20)		
01 22 20 00-0065 HR Project Manager	156.25	
01 22 20 00-0066 Rates For Architectural And Engineering Services (01 22 20)		
Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0067 HR Principal Architect	237.50	
01 22 20 00-0068 HR Senior Architect	175.00	
01 22 20 00-0069 HR Architect	137.50	
01 22 20 00-0070 HR Principal Engineer	205.00	
01 22 20 00-0071 HR Senior Engineer	170.00	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0072 HR Engineer	133.75	
01 22 20 00-0073 HR Draft Person.....	70.00	
01 22 20 00-0074 Rates For Traffic Control <small>(01 22 20)</small>		
01 22 20 00-0075 DAY Pilot Vehicle With Driver	1,103.90	
<small>Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.</small>		
01 22 20 00-0076 HR Flaggerperson For Traffic Control	87.63	
01 22 20 00-0077 Mobilize Equipment <small>(01 22 20)</small>		
01 22 20 00-0078 HR Escort Vehicle With Driver	101.24	
01 22 20 00-0079 HR Transport Vehicle With Driver	137.68	
01 22 23 Equipment Usage <small>(01 22)</small>		
<small>Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0074 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.</small>		
01 22 23 00-0001 Aerial Equipment <small>(01 22 23)</small>		
01 22 23 00-0002 Man Lifts <small>(01 22 23 00-0001)</small>		
<small>Note: Excludes operator, delivery, set-up, and removal.</small>		
01 22 23 00-0003 Telescoping Boom Man Lifts With Platform <small>(01 22 23 00-0002)</small>		
01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform <small>(01 22 23 00-0003)</small>		
<small>Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.</small>		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform	474.55	
<small>For Four-Wheel Drive, Add</small>		
	106.77	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Man Lift With Platform	1,194.02	
<small>For Four-Wheel Drive, Add</small>		
	268.65	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Man Lift With Platform	2,678.90	
<small>For Four-Wheel Drive, Add</small>		
	602.75	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-107.16	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform	696.51	
<small>For Four-Wheel Drive, Add</small>		
	156.71	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Man Lift With Platform	1,660.92	
<small>For Four-Wheel Drive, Add</small>		
	373.71	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Man Lift With Platform	3,635.65	
<small>For Four-Wheel Drive, Add</small>		
	818.02	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-145.43	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform	1,354.76	
<small>For Four-Wheel Drive, Add</small>		
	304.82	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Man Lift With Platform	3,283.57	
<small>For Four-Wheel Drive, Add</small>		
	738.80	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Man Lift With Platform	6,888.60	
<small>For Four-Wheel Drive, Add</small>		
	1,549.94	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-275.54	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform	1,928.81	
<small>For Four-Wheel Drive, Add</small>		
	433.98	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Man Lift With Platform	4,644.45	
<small>For Four-Wheel Drive, Add</small>		
	1,045.00	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Man Lift With Platform	11,572.85	
<small>For Four-Wheel Drive, Add</small>		
	2,603.89	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-462.91	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform	2,349.78	
<small>For Four-Wheel Drive, Add</small>		
	528.70	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Man Lift With Platform	5,993.08	
<small>For Four-Wheel Drive, Add</small>		
	1,348.44	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Man Lift With Platform	13,624.12	
<small>For Four-Wheel Drive, Add</small>		
	3,065.43	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-544.96	
01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform <small>(01 22 23 00-0002)</small>		
01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform <small>(01 22 23 00-0020)</small>		
<small>Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.</small>		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	441.87	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,108.69	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,667.29	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-106.69	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	562.38	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,229.20	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,051.31	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-122.05	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	723.06	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,671.07	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,735.81	
<small>For >6 Months (>26 Weeks) , Deduct</small>		
	-149.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,261.34	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,972.58	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	7,228.99	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-289.16	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,450.37	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	5,784.48	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	14,139.84	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-565.59	
01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
<i>Note: For use on paved surfaces.</i>		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	441.87	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,108.69	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,667.29	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-106.69	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	441.87	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,108.69	
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,667.29	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-106.69	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	546.31	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,181.00	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,932.41	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-117.30	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	546.31	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	1,181.00	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,932.41	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-117.30	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)		
<i>Note: Excludes operator, delivery, set-up, and removal.</i>		
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)		
<i>Note: For use on paved surfaces.</i>		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift.....	178.97	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift.....	357.94	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift.....	732.15	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-29.29	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift.....	195.24	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift.....	390.48	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift.....	780.96	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-31.24	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift.....	252.18	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift.....	504.37	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift.....	1,008.74	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-43.28	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift.....	325.40	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift.....	642.66	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift.....	1,423.62	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-56.94	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift.....	349.80	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift.....	683.34	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift.....	1,545.65	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-61.83	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift.....	455.56	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift.....	1,130.76	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift.....	3,148.24	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-125.93	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)		
<i>Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.</i>		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift.....	455.36	
<i>For Four-Wheel Drive, Add</i>	91.07	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift.....	890.47	
<i>For Four-Wheel Drive, Add</i>	178.09	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift.....	2,175.58	
<i>For Four-Wheel Drive, Add</i>	435.12	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-87.02	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift.....	465.47	
<i>For Four-Wheel Drive, Add</i>	93.09	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift.....	1,062.50	
<i>For Four-Wheel Drive, Add</i>	212.50	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift.....	2,327.37	
<i>For Four-Wheel Drive, Add</i>	465.47	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-93.09	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift.....	516.07	
<i>For Four-Wheel Drive, Add</i>	103.21	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift.....	1,183.92	
<i>For Four-Wheel Drive, Add</i>	236.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift	2,630.94	
For Four-Wheel Drive, Add	526.19	
For >6 Months (>26 Weeks) , Deduct	-105.24	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift	546.43	
For Four-Wheel Drive, Add	109.29	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift	1,274.99	
For Four-Wheel Drive, Add	255.00	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift	3,136.89	
For Four-Wheel Drive, Add	627.38	
For >6 Months (>26 Weeks) , Deduct	-125.48	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift	1,022.02	
For Four-Wheel Drive, Add	204.40	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift	2,246.42	
For Four-Wheel Drive, Add	449.28	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift	5,524.97	
For Four-Wheel Drive, Add	1,104.99	
For >6 Months (>26 Weeks) , Deduct	-221.00	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift	135.75	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift	384.62	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift	776.77	
For >6 Months (>26 Weeks) , Deduct	-31.07	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift	188.54	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift	399.70	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift	1,357.47	
For >6 Months (>26 Weeks) , Deduct	-54.30	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift	316.74	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift	769.23	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift	2,247.37	
For >6 Months (>26 Weeks) , Deduct	-89.89	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift	339.37	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift	844.65	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift	2,541.49	
For >6 Months (>26 Weeks) , Deduct	-101.66	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift	181.00	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift	361.99	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift	723.98	
For >6 Months (>26 Weeks) , Deduct	-28.96	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift	181.00	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift	361.99	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift	752.64	
For >6 Months (>26 Weeks) , Deduct	-30.11	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)		
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 29' To 33' Bucket Truck With Full-Time Operator	1,461.91	
For Equipment Without Operator, Deduct	-762.97	
01 22 23 00-0107 WK 29' To 33' Bucket Truck With Full-Time Operator	5,911.69	
For Equipment Without Operator, Deduct	-3,814.87	
01 22 23 00-0108 MO 29' To 33' Bucket Truck With Full-Time Operator	21,868.47	
For Equipment Without Operator, Deduct	-16,531.11	
For >6 Months (>26 Weeks) , Deduct	-213.49	
01 22 23 00-0109 DAY 38' To 41' Bucket Truck With Full-Time Operator	1,550.87	
For Equipment Without Operator, Deduct	-762.97	
01 22 23 00-0110 WK 38' To 41' Bucket Truck With Full-Time Operator	6,197.62	
For Equipment Without Operator, Deduct	-3,814.87	
01 22 23 00-0111 MO 38' To 41' Bucket Truck With Full-Time Operator	22,630.95	
For Equipment Without Operator, Deduct	-16,531.11	
For >6 Months (>26 Weeks) , Deduct	-243.99	
01 22 23 00-0112 DAY 45' To 48' Bucket Truck With Full-Time Operator	1,779.61	
For Equipment Without Operator, Deduct	-762.97	
01 22 23 00-0113 WK 45' To 48' Bucket Truck With Full-Time Operator	6,610.63	
For Equipment Without Operator, Deduct	-3,814.87	
01 22 23 00-0114 MO 45' To 48' Bucket Truck With Full-Time Operator	23,520.51	
For Equipment Without Operator, Deduct	-16,531.11	
For >6 Months (>26 Weeks) , Deduct	-279.58	
01 22 23 00-0115 DAY 62' Bucket Truck With Full-Time Operator	2,287.93	
For Equipment Without Operator, Deduct	-762.97	
01 22 23 00-0116 WK 62' Bucket Truck With Full-Time Operator	8,262.67	
For Equipment Without Operator, Deduct	-3,814.87	
01 22 23 00-0117 MO 62' Bucket Truck With Full-Time Operator	27,968.31	
For Equipment Without Operator, Deduct	-16,531.11	
For >6 Months (>26 Weeks) , Deduct	-457.49	
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator	2,542.09	
For Equipment Without Operator, Deduct	-762.97	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator	9,152.23	
For Equipment Without Operator, Deduct	-3,814.87	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator	31,145.31	
For Equipment Without Operator, Deduct	-16,531.11	
For >6 Months (>26 Weeks) , Deduct	-584.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0121 Day 105' Bucket Truck With Full-Time Operator.....	2,669.17	
For Equipment Without Operator, Deduct	-762.97	
01 22 23 00-0122 WK 105' Bucket Truck With Full-Time Operator.....	9,533.47	
For Equipment Without Operator, Deduct	-3,814.87	
01 22 23 00-0123 MO 105' Bucket Truck With Full-Time Operator.....	31,450.30	
For Equipment Without Operator, Deduct	-16,531.11	
For >6 Months (>26 Weeks) , Deduct	-596.77	
01 22 23 00-0124 Air Equipment <small>(01 22 23)</small>		
01 22 23 00-0125 Air Compressors <small>(01 22 23 00-0124)</small>		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126 DAY 100 CFM Diesel Powered Portable Air Compressor.....	177.31	
01 22 23 00-0127 WK 100 CFM Diesel Powered Portable Air Compressor.....	531.92	
01 22 23 00-0128 MO 100 CFM Diesel Powered Portable Air Compressor.....	1,477.56	
For >6 Months (>26 Weeks) , Deduct	-59.10	
01 22 23 00-0129 DAY 130 CFM Diesel Powered Portable Air Compressor.....	212.77	
01 22 23 00-0130 WK 130 CFM Diesel Powered Portable Air Compressor.....	626.49	
01 22 23 00-0131 MO 130 CFM Diesel Powered Portable Air Compressor.....	1,773.08	
For >6 Months (>26 Weeks) , Deduct	-70.92	
01 22 23 00-0132 DAY 185 CFM Diesel Powered Portable Air Compressor.....	283.69	
01 22 23 00-0133 WK 185 CFM Diesel Powered Portable Air Compressor.....	638.31	
01 22 23 00-0134 MO 185 CFM Diesel Powered Portable Air Compressor.....	1,406.64	
For >6 Months (>26 Weeks) , Deduct	-56.27	
01 22 23 00-0135 DAY 375 CFM Diesel Powered Portable Air Compressor.....	401.90	
01 22 23 00-0136 WK 375 CFM Diesel Powered Portable Air Compressor.....	1,016.56	
01 22 23 00-0137 MO 375 CFM Diesel Powered Portable Air Compressor.....	2,423.20	
For >6 Months (>26 Weeks) , Deduct	-96.93	
01 22 23 00-0138 DAY 600 CFM Diesel Powered Portable Air Compressor.....	893.63	
01 22 23 00-0139 WK 600 CFM Diesel Powered Portable Air Compressor.....	2,151.33	
01 22 23 00-0140 MO 600 CFM Diesel Powered Portable Air Compressor.....	5,361.78	
For >6 Months (>26 Weeks) , Deduct	-214.47	
01 22 23 00-0141 DAY 750 CFM Diesel Powered Portable Air Compressor.....	1,075.67	
01 22 23 00-0142 WK 750 CFM Diesel Powered Portable Air Compressor.....	2,647.79	
01 22 23 00-0143 MO 750 CFM Diesel Powered Portable Air Compressor.....	6,501.28	
For >6 Months (>26 Weeks) , Deduct	-260.05	
01 22 23 00-0144 DAY 825 CFM Diesel Powered Portable Air Compressor.....	1,075.67	
01 22 23 00-0145 WK 825 CFM Diesel Powered Portable Air Compressor.....	2,647.79	
01 22 23 00-0146 MO 825 CFM Diesel Powered Portable Air Compressor.....	6,501.28	
For >6 Months (>26 Weeks) , Deduct	-260.05	
01 22 23 00-0147 DAY 1,300 CFM Diesel Powered Portable Air Compressor.....	1,252.97	
01 22 23 00-0148 WK 1,300 CFM Diesel Powered Portable Air Compressor.....	2,808.55	
01 22 23 00-0149 MO 1,300 CFM Diesel Powered Portable Air Compressor.....	7,489.47	
For >6 Months (>26 Weeks) , Deduct	-299.58	
01 22 23 00-0150 DAY 1,600 CFM Diesel Powered Portable Air Compressor.....	1,560.31	
01 22 23 00-0151 WK 1,600 CFM Diesel Powered Portable Air Compressor.....	3,510.69	
01 22 23 00-0152 MO 1,600 CFM Diesel Powered Portable Air Compressor.....	9,361.84	
For >6 Months (>26 Weeks) , Deduct	-374.47	
01 22 23 00-0153 Portable Negative Air Machines <small>(01 22 23 00-0124)</small>		
Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23 00-0154 DAY Up To 2,000 CFM, Portable Negative Air Machine.....	70.90	
01 22 23 00-0155 WK Up To 2,000 CFM, Portable Negative Air Machine.....	291.20	
01 22 23 00-0156 MO Up To 2,000 CFM, Portable Negative Air Machine.....	879.94	
For >6 Months (>26 Weeks) , Deduct	-35.20	
01 22 23 00-0157 EA First Stage Pre-Filter For Portable Negative Air Machines.....	14.68	
01 22 23 00-0158 EA Second Stage Pre-Filter For Portable Negative Air Machines.....	32.68	
01 22 23 00-0159 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines.....	165.32	
01 22 23 00-0160 LF Flexible Exhaust Duct For Portable Negative Air Machines.....	2.52	
01 22 23 00-0161 Portable Air Scrubbers <small>(01 22 23 00-0124)</small>		
Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.		
01 22 23 00-0162 DAY Up To 1,000 CFM, Portable Air Scrubber.....	78.63	
01 22 23 00-0163 WK Up To 1,000 CFM, Portable Air Scrubber.....	326.85	
01 22 23 00-0164 MO Up To 1,000 CFM, Portable Air Scrubber.....	904.77	
For >6 Months (>26 Weeks) , Deduct	-36.19	
01 22 23 00-0165 DAY >1,000 to 2,000 CFM, Portable Air Scrubber.....	99.48	
01 22 23 00-0166 WK >1,000 to 2,000 CFM, Portable Air Scrubber.....	412.12	
01 22 23 00-0167 MO >1,000 to 2,000 CFM, Portable Air Scrubber.....	1,207.94	
For >6 Months (>26 Weeks) , Deduct	-48.32	
01 22 23 00-0168 DAY >2,000 To 5,000 CFM, Portable Air Scrubber.....	127.90	
01 22 23 00-0169 WK >2,000 To 5,000 CFM, Portable Air Scrubber.....	544.76	
01 22 23 00-0170 MO >2,000 To 5,000 CFM, Portable Air Scrubber.....	1,525.31	
For >6 Months (>26 Weeks) , Deduct	-61.01	
01 22 23 00-0171 EA First Stage Pre-Filter For Portable Air Scrubbers.....	20.37	
01 22 23 00-0172 EA Second Stage Pre-Filter For Portable Air Scrubbers.....	27.95	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0173 EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers.....	279.01	
01 22 23 00-0174 Compaction And Paving Equipment <small>(01 22 23)</small>		
01 22 23 00-0175 Pavers And Rollers <small>(01 22 23 00-0174)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0176 Pavers <small>(01 22 23 00-0175)</small>		
01 22 23 00-0177 DAY 10' Wide Paving Machine With Full-Time Operator	4,066.40	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0178 WK 10' Wide Paving Machine With Full-Time Operator	17,233.49	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	
01 22 23 00-0179 MO 10' Wide Paving Machine With Full-Time Operator	65,236.16	
<i>For Equipment Without Operator, Deduct</i>		
	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-1,770.60	
01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers <small>(01 22 23 00-0175)</small>		
01 22 23 00-0181 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,343.73	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0182 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	5,976.20	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	
01 22 23 00-0183 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	24,056.84	
<i>For Equipment Without Operator, Deduct</i>		
	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-123.43	
01 22 23 00-0184 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,488.79	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0185 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	7,054.90	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	
01 22 23 00-0186 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	25,685.43	
<i>For Equipment Without Operator, Deduct</i>		
	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-188.57	
01 22 23 00-0187 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,495.38	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0188 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,626.32	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	
01 22 23 00-0189 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	26,001.92	
<i>For Equipment Without Operator, Deduct</i>		
	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-201.23	
01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers <small>(01 22 23 00-0175)</small>		
01 22 23 00-0191 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,403.07	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0192 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,046.09	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	
01 22 23 00-0193 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,459.04	
<i>For Equipment Without Operator, Deduct</i>		
	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-139.52	
01 22 23 00-0194 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,680.00	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0195 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,606.54	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	
01 22 23 00-0196 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,226.10	
<i>For Equipment Without Operator, Deduct</i>		
	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-210.20	
01 22 23 00-0197 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,745.93	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0198 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,021.93	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	
01 22 23 00-0199 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,386.56	
<i>For Equipment Without Operator, Deduct</i>		
	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-256.62	
01 22 23 00-0200 Towed, Padfoot Rollers <small>(01 22 23 00-0175)</small>		
01 22 23 00-0201 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	125.28	
01 22 23 00-0202 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	362.64	
01 22 23 00-0203 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,068.15	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-42.73	
01 22 23 00-0204 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	158.24	
01 22 23 00-0205 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	441.76	
01 22 23 00-0206 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	1,879.15	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-75.17	
01 22 23 00-0207 Static Rollers <small>(01 22 23 00-0175)</small>		
01 22 23 00-0208 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	1,436.04	
<i>For Equipment Without Operator, Deduct</i>		
	-967.90	
01 22 23 00-0209 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	6,329.61	
<i>For Equipment Without Operator, Deduct</i>		
	-4,839.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0210 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator	25,388.72	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-176.71	
01 22 23 00-0211 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,581.10	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0212 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,725.22	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0213 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,483.25	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-220.49	
01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0175)		
01 22 23 00-0215 DAY 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,225.05	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0216 WK 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,591.14	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0217 MO 1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	22,949.13	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-79.12	
01 22 23 00-0218 DAY 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,323.95	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0219 WK 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,887.85	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0220 MO 3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	23,740.35	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-110.77	
01 22 23 00-0221 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,389.88	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0222 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,085.65	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0223 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,267.83	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-131.87	
01 22 23 00-0224 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,475.60	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0225 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,336.20	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0226 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,920.59	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-157.98	
01 22 23 00-0227 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,647.03	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0228 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,837.31	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0229 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,245.88	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-210.99	
01 22 23 00-0230 Steel Roadway Plates (01 22 23 00-0174)		
Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0231 EA Placement And Removal Of Steel Roadway Plates	57.73	
01 22 23 00-0232 DAY 1" x 4' x 8' Steel Plate	44.12	
01 22 23 00-0233 WK 1" x 4' x 8' Steel Plate	104.18	
01 22 23 00-0234 MO 1" x 4' x 8' Steel Plate	137.10	
For >6 Months (>26 Weeks) , Deduct	-5.48	
01 22 23 00-0235 DAY 1" x 4' x 10' Steel Plate	58.83	
01 22 23 00-0236 WK 1" x 4' x 10' Steel Plate	132.36	
01 22 23 00-0237 MO 1" x 4' x 10' Steel Plate	161.78	
For >6 Months (>26 Weeks) , Deduct	-6.47	
01 22 23 00-0238 DAY 1" x 5' x 10' Steel Plate	61.28	
01 22 23 00-0239 WK 1" x 5' x 10' Steel Plate	138.49	
01 22 23 00-0240 MO 1" x 5' x 10' Steel Plate	367.68	
For >6 Months (>26 Weeks) , Deduct	-14.71	
01 22 23 00-0241 DAY 1" x 6' x 8' Steel Plate	39.22	
01 22 23 00-0242 WK 1" x 6' x 8' Steel Plate	88.24	
01 22 23 00-0243 MO 1" x 6' x 8' Steel Plate	235.32	
For >6 Months (>26 Weeks) , Deduct	-9.41	
01 22 23 00-0244 DAY 1" x 6' x 10' Steel Plate	73.54	
01 22 23 00-0245 WK 1" x 6' x 10' Steel Plate	96.82	
01 22 23 00-0246 MO 1" x 6' x 10' Steel Plate	258.60	
For >6 Months (>26 Weeks) , Deduct	-10.34	
01 22 23 00-0247 DAY 1" x 6' x 12' Steel Plate	102.95	
01 22 23 00-0248 WK 1" x 6' x 12' Steel Plate	131.75	
01 22 23 00-0249 MO 1" x 6' x 12' Steel Plate	356.65	
For >6 Months (>26 Weeks) , Deduct	-14.27	
01 22 23 00-0250 DAY 1" x 8' x 10' Steel Plate	64.96	
01 22 23 00-0251 WK 1" x 8' x 10' Steel Plate	145.85	
01 22 23 00-0252 MO 1" x 8' x 10' Steel Plate	388.52	
For >6 Months (>26 Weeks) , Deduct	-15.54	
01 22 23 00-0253 DAY 1" x 8' x 12' Steel Plate	117.66	

01	01	General Requirements
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0254	WK	1" x 8' x 12' Steel Plate	145.85	
	01 22 23 00-0255	MO	1" x 8' x 12' Steel Plate	705.95	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-28.24	
	01 22 23 00-0256	DAY	1" x 8' x 16' Steel Plate	156.88	
	01 22 23 00-0257	WK	1" x 8' x 16' Steel Plate	352.97	
	01 22 23 00-0258	MO	1" x 8' x 16' Steel Plate	941.26	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-37.65	
	01 22 23 00-0259	DAY	1-1/4" x 8' x 10' Steel Plate	77.95	
	01 22 23 00-0260	WK	1-1/4" x 8' x 10' Steel Plate	175.02	
	01 22 23 00-0261	MO	1-1/4" x 8' x 10' Steel Plate	466.22	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-78.65	
	01 22 23 00-0262	DAY	1-1/2" x 8' x 15' Steel Plate	180.41	
	01 22 23 00-0263	WK	1-1/2" x 8' x 15' Steel Plate	405.92	
	01 22 23 00-0264	MO	1-1/2" x 8' x 15' Steel Plate	1,082.45	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-43.30	
	01 22 23 00-0265	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.55	1.11
	01 22 23 00-0266	EA	Removal And Resetting Of Steel Roadway Plate	32.07	

01 22 23 00-0267 Street Sweepers (01 22 23 00-0174)

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

	01 22 23 00-0268	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,140.20	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
	01 22 23 00-0269	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,476.79	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
	01 22 23 00-0270	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	23,072.78	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-122.06	
	01 22 23 00-0271	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	2,007.13	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
	01 22 23 00-0272	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	8,958.57	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
	01 22 23 00-0273	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator	35,503.56	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-619.29	

01 22 23 00-0274 Earthmoving Equipment (01 22 23)

01 22 23 00-0275 Skid-Steer Loaders (01 22 23 00-0274)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

	01 22 23 00-0276	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,280.96	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
	01 22 23 00-0277	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,556.61	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
	01 22 23 00-0278	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	22,276.23	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-90.20	
	01 22 23 00-0279	DAY	1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,375.04	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
	01 22 23 00-0280	WK	1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	5,726.85	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
	01 22 23 00-0281	MO	1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	22,649.56	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-105.13	
	01 22 23 00-0282	DAY	2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,401.92	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
	01 22 23 00-0283	WK	2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	5,971.75	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
	01 22 23 00-0284	MO	2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	23,299.14	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-131.11	
	01 22 23 00-0285	DAY	2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,506.45	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
	01 22 23 00-0286	WK	2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,315.21	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
	01 22 23 00-0287	MO	2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	24,434.05	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-176.51	
	01 22 23 00-0288	DAY	3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,685.64	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
	01 22 23 00-0289	WK	3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,994.66	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
	01 22 23 00-0290	MO	3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,106.55	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-243.41	
	01 22 23 00-0291	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	298.66	
	01 22 23 00-0292	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	993.04	
	01 22 23 00-0293	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,643.14	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-105.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0294 DAY Forklift Attachment For Skid-Steer Loaders.....	64.21	
01 22 23 00-0295 WK Forklift Attachment For Skid-Steer Loaders.....	171.73	
01 22 23 00-0296 MO Forklift Attachment For Skid-Steer Loaders.....	485.32	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-19.41	
01 22 23 00-0297 DAY Backhoe Attachment For Skid-Steer Loaders.....	141.86	
01 22 23 00-0298 WK Backhoe Attachment For Skid-Steer Loaders.....	340.47	
01 22 23 00-0299 MO Backhoe Attachment For Skid-Steer Loaders.....	846.70	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-33.87	
01 22 23 00-0300 DAY Broom Attachment For Skid-Steer Loaders.....	140.37	
01 22 23 00-0301 WK Broom Attachment For Skid-Steer Loaders.....	380.79	
01 22 23 00-0302 MO Broom Attachment For Skid-Steer Loaders.....	1,007.98	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-40.32	
01 22 23 00-0303 DAY Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	122.45	
01 22 23 00-0304 WK Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	337.49	
01 22 23 00-0305 MO Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	921.37	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-36.85	
01 22 23 00-0306 DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	33.75	
01 22 23 00-0307 WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	88.30	
01 22 23 00-0308 MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	259.70	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-10.39	
01 22 23 00-0309 DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	45.44	
01 22 23 00-0310 WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	112.97	
01 22 23 00-0311 MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	337.62	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-13.50	
01 22 23 00-0312 DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	66.21	
01 22 23 00-0313 WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	201.28	
01 22 23 00-0314 MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	597.32	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-23.89	
01 22 23 00-0315 DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	13.44	
01 22 23 00-0316 WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	31.36	
01 22 23 00-0317 MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	83.62	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-3.34	
01 22 23 00-0318 Bulldozers <small>(01 22 23 00-0274)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0319 DAY 70 HP, D3 Bulldozer With Full-Time Operator.....	1,406.00	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0320 WK 70 HP, D3 Bulldozer With Full-Time Operator.....	6,567.07	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0321 MO 70 HP, D3 Bulldozer With Full-Time Operator.....	26,096.00	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-205.00	
01 22 23 00-0322 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,612.65	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0323 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	7,401.94	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0324 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	28,658.46	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-307.50	
01 22 23 00-0325 DAY 140 HP, D6 Bulldozer With Full-Time Operator.....	2,199.53	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0326 WK 140 HP, D6 Bulldozer With Full-Time Operator.....	9,749.48	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0327 MO 140 HP, D6 Bulldozer With Full-Time Operator.....	35,684.56	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-588.54	
01 22 23 00-0328 DAY 200 HP, D7 Bulldozer With Full-Time Operator.....	2,720.29	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0329 WK 200 HP, D7 Bulldozer With Full-Time Operator.....	11,840.78	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0330 MO 200 HP, D7 Bulldozer With Full-Time Operator.....	41,966.72	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-839.83	
01 22 23 00-0331 DAY 335 HP, D8 Bulldozer With Full-Time Operator.....	3,340.24	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0332 WK 335 HP, D8 Bulldozer With Full-Time Operator.....	14,320.58	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0333 MO 335 HP, D8 Bulldozer With Full-Time Operator.....	49,406.12	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,137.40	
01 22 23 00-0334 DAY 460 HP, D9 Bulldozer With Full-Time Operator.....	3,687.41	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0335 WK 460 HP, D9 Bulldozer With Full-Time Operator.....	15,701.00	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0336 MO 460 HP, D9 Bulldozer With Full-Time Operator.....	53,539.12	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,302.72	
01 22 23 00-0337 Motor Scraper <small>(01 22 23 00-0274)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0338 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator.....	2,284.53	
<i>For Equipment Without Operator, Deduct</i>	-967.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0339 WK 11 CY Motor Scraper-Hauler With Full-Time Operator	10,105.99	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0340 MO 11 CY Motor Scraper-Hauler With Full-Time Operator	36,752.58	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-631.26	
01 22 23 00-0341 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator	2,816.59	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0342 WK 18 CY Motor Scraper-Hauler With Full-Time Operator	12,234.24	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0343 MO 18 CY Motor Scraper-Hauler With Full-Time Operator	43,155.36	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-887.37	
01 22 23 00-0344 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator	3,330.62	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0345 WK 24 CY Motor Scraper-Hauler With Full-Time Operator	14,281.33	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0346 MO 24 CY Motor Scraper-Hauler With Full-Time Operator	49,287.60	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,132.66	
01 22 23 00-0347 Hydraulic Excavators <small>(01 22 23 00-0274)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0348 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator	1,339.15	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0349 WK 3/8 CY Hydraulic Excavator With Full-Time Operator	6,152.60	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0350 MO 3/8 CY Hydraulic Excavator With Full-Time Operator	25,371.08	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-176.00	
01 22 23 00-0351 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator	1,443.65	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0352 WK 1/2 CY Hydraulic Excavator With Full-Time Operator	6,613.23	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0353 MO 1/2 CY Hydraulic Excavator With Full-Time Operator	27,213.58	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-249.70	
01 22 23 00-0354 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator	1,476.65	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0355 WK 5/8 CY Hydraulic Excavator With Full-Time Operator	6,785.10	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0356 MO 5/8 CY Hydraulic Excavator With Full-Time Operator	27,516.08	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-261.80	
01 22 23 00-0357 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator	1,511.02	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0358 WK 3/4 CY Hydraulic Excavator With Full-Time Operator	6,943.23	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0359 MO 3/4 CY Hydraulic Excavator With Full-Time Operator	27,818.58	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-273.90	
01 22 23 00-0360 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,538.52	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0361 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,108.23	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0362 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	28,121.08	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-286.00	
01 22 23 00-0363 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,909.78	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0364 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,586.36	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0365 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	32,211.70	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-449.62	
01 22 23 00-0366 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,964.78	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0367 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	8,826.98	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0368 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	32,933.58	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-478.50	
01 22 23 00-0369 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,067.90	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0370 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,239.48	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	
01 22 23 00-0371 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	34,171.08	
<i>For Equipment Without Operator, Deduct</i>	-20,971.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-528.00	
01 22 23 00-0372 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,184.78	
<i>For Equipment Without Operator, Deduct</i>	-967.90	
01 22 23 00-0373 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,700.10	
<i>For Equipment Without Operator, Deduct</i>	-4,839.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0374 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	35,546.08	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-583.00	
01 22 23 00-0375 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,219.15	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0376 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	9,837.60	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0377 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	35,958.58	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-599.50	
01 22 23 00-0378 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,549.15	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0379 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,164.48	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0380 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	39,946.08	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-759.00	
01 22 23 00-0381 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,023.52	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0382 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,048.23	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0383 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	45,583.58	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-984.50	
01 22 23 00-0384 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,607.90	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0385 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	15,385.73	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0386 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	52,596.08	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-1,265.00	
01 22 23 00-0387 DAY Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	2,095.40	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0388 WK Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	9,335.73	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0389 MO Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	34,446.08	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-539.00	
01 22 23 00-0390 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	96.25	
01 22 23 00-0391 WK Thumbs Or Grapple Attachment For Hydraulic Excavators	371.25	
01 22 23 00-0392 MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,100.00	
For >6 Months (>26 Weeks) , Deduct	-44.00	
01 22 23 00-0393 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	426.25	
01 22 23 00-0394 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,127.50	
01 22 23 00-0395 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	3,155.62	
For >6 Months (>26 Weeks) , Deduct	-126.22	
01 22 23 00-0396 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	660.00	
01 22 23 00-0397 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,684.38	
01 22 23 00-0398 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,379.38	
For >6 Months (>26 Weeks) , Deduct	-175.18	
01 22 23 00-0399 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	921.25	
01 22 23 00-0400 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,481.88	
01 22 23 00-0401 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	6,957.50	
For >6 Months (>26 Weeks) , Deduct	-278.30	
01 22 23 00-0402 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	192.50	
01 22 23 00-0403 WK 24" Compaction Wheel Attachment For Hydraulic Excavators	770.00	
01 22 23 00-0404 MO 24" Compaction Wheel Attachment For Hydraulic Excavators	2,310.00	
For >6 Months (>26 Weeks) , Deduct	-92.40	
01 22 23 00-0405 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	275.00	
01 22 23 00-0406 WK 36" Compaction Wheel Attachment For Hydraulic Excavators	1,100.00	
01 22 23 00-0407 MO 36" Compaction Wheel Attachment For Hydraulic Excavators	3,300.00	
For >6 Months (>26 Weeks) , Deduct	-132.00	
01 22 23 00-0408 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	302.50	
01 22 23 00-0409 WK 48" Compaction Wheel Attachment For Hydraulic Excavators	1,196.25	
01 22 23 00-0410 MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,575.00	
For >6 Months (>26 Weeks) , Deduct	-143.00	
01 22 23 00-0411 Telescopic Hydraulic Excavators (Gradall) (01 22 23 00-0274)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0412 DAY Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	4,390.14	
For Equipment Without Operator, Deduct	-967.90	
For Track Gradall, Add	410.67	
01 22 23 00-0413 WK Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	12,882.83	
For Equipment Without Operator, Deduct	-4,839.48	
For Track Gradall, Add	965.20	
01 22 23 00-0414 MO Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	49,678.95	
For Equipment Without Operator, Deduct	-20,971.08	
For Track Gradall, Add	3,444.94	
For >6 Months (>26 Weeks) , Deduct	-1,148.31	
01 22 23 00-0415 Mini-Excavators (01 22 23 00-0274)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0416 DAY 2,000 LB Mini-Excavator With Full-Time Operator.....	1,256.65	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0417 WK 2,000 LB Mini-Excavator With Full-Time Operator.....	5,657.60	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0418 MO 2,000 LB Mini-Excavator With Full-Time Operator.....	22,772.33	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-72.05	
01 22 23 00-0419 DAY 3,500 LB Mini-Excavator With Full-Time Operator.....	1,263.52	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0420 WK 3,500 LB Mini-Excavator With Full-Time Operator.....	5,678.23	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0421 MO 3,500 LB Mini-Excavator With Full-Time Operator.....	23,205.46	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-89.38	
01 22 23 00-0422 DAY 6,000 LB Mini-Excavator With Full-Time Operator.....	1,297.90	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0423 WK 6,000 LB Mini-Excavator With Full-Time Operator.....	5,774.48	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0424 MO 6,000 LB Mini-Excavator With Full-Time Operator.....	23,267.33	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-91.85	
01 22 23 00-0425 DAY 7,500 LB Mini-Excavator With Full-Time Operator.....	1,311.65	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0426 WK 7,500 LB Mini-Excavator With Full-Time Operator.....	5,822.60	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0427 MO 7,500 LB Mini-Excavator With Full-Time Operator.....	23,294.83	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-92.95	
01 22 23 00-0428 DAY 9,500 LB Mini-Excavator With Full-Time Operator.....	1,394.15	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0429 WK 9,500 LB Mini-Excavator With Full-Time Operator.....	5,891.36	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0430 MO 9,500 LB Mini-Excavator With Full-Time Operator.....	24,092.33	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-124.85	
01 22 23 00-0431 DAY 11,000 LB Mini-Excavator With Full-Time Operator.....	1,401.02	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0432 WK 11,000 LB Mini-Excavator With Full-Time Operator.....	6,235.10	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0433 MO 11,000 LB Mini-Excavator With Full-Time Operator.....	24,126.70	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-126.22	
01 22 23 00-0434 Road Graders <small>(01 22 23 00-0274)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0435 DAY 50 To 60 HP Road Grader With Full-Time Operator.....	2,320.60	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0436 WK 50 To 60 HP Road Grader With Full-Time Operator.....	8,356.50	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0437 MO 50 To 60 HP Road Grader With Full-Time Operator.....	30,439.98	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-378.76	
01 22 23 00-0438 DAY 80 To 100 HP Road Grader With Full-Time Operator.....	2,987.93	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0439 WK 80 To 100 HP Road Grader With Full-Time Operator.....	9,835.45	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0440 MO 80 To 100 HP Road Grader With Full-Time Operator.....	34,948.98	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-559.12	
01 22 23 00-0441 DAY 130 To 140 HP Road Grader With Full-Time Operator.....	3,485.42	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0442 WK 130 To 140 HP Road Grader With Full-Time Operator.....	11,308.99	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0443 MO 130 To 140 HP Road Grader With Full-Time Operator.....	40,382.32	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-776.45	
01 22 23 00-0444 DAY 170 To 185 HP Road Grader With Full-Time Operator.....	4,241.43	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0445 WK 170 To 185 HP Road Grader With Full-Time Operator.....	17,933.62	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0446 MO 170 To 185 HP Road Grader With Full-Time Operator.....	66,800.53	
For Equipment Without Operator, Deduct	-20,971.05	
For >6 Months (>26 Weeks) , Deduct	-1,833.18	
01 22 23 00-0447 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0274)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0448 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,432.39	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0449 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	5,942.65	
For Equipment Without Operator, Deduct	-4,839.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0450 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	23,567.26	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-103.85	
01 22 23 00-0451 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,482.16	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0452 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	6,116.83	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0453 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	24,628.95	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-146.31	
01 22 23 00-0454 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,558.88	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0455 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	6,307.61	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0456 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	25,176.39	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-168.21	
01 22 23 00-0457 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,901.03	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0458 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	7,327.83	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0459 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	28,096.06	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-285.00	
01 22 23 00-0460 Heavy Duty Construction Loaders <small>(01 22 23 00-0274)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0461 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,439.80	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0462 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,705.30	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0463 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	26,561.28	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-223.61	
01 22 23 00-0464 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,831.84	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0465 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,133.64	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0466 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	26,779.08	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-232.32	
01 22 23 00-0467 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,918.96	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0468 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,365.96	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0469 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	27,359.88	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-255.55	
01 22 23 00-0470 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,158.54	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0471 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,997.58	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0472 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	28,957.08	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-319.44	
01 22 23 00-0473 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,775.64	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0474 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	12,055.92	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0475 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	42,605.88	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-865.39	
01 22 23 00-0476 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,841.17	
For Equipment Without Operator, Deduct	-967.90	
01 22 23 00-0477 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	23,911.30	
For Equipment Without Operator, Deduct	-4,839.48	
01 22 23 00-0478 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	72,946.94	
For Equipment Without Operator, Deduct	-20,971.08	
For >6 Months (>26 Weeks) , Deduct	-2,079.03	
01 22 23 00-0479 Tractors <small>(01 22 23 00-0274)</small>		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0480 DAY 20 To 29 HP Tractor.....	562.01	
01 22 23 00-0481 WK 20 To 29 HP Tractor.....	1,352.99	
01 22 23 00-0482 MO 20 To 29 HP Tractor.....	3,653.07	
For >6 Months (>26 Weeks) , Deduct	-146.12	
01 22 23 00-0483 DAY 30 To 35 HP Tractor.....	582.33	
01 22 23 00-0484 WK 30 To 35 HP Tractor.....	1,499.19	
01 22 23 00-0485 MO 30 To 35 HP Tractor.....	4,150.65	
For >6 Months (>26 Weeks) , Deduct	-166.03	
01 22 23 00-0486 DAY 40 To 45 HP Tractor.....	594.72	
01 22 23 00-0487 WK 40 To 45 HP Tractor.....	1,598.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0488	MO		40 To 45 HP Tractor	4,386.06	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-175.44	
01 22 23 00-0489	DAY		80 To 89 HP Tractor	765.70	
01 22 23 00-0490	WK		80 To 89 HP Tractor	2,171.47	
01 22 23 00-0491	MO		80 To 89 HP Tractor	6,217.55	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-248.70	
01 22 23 00-0492	DAY		60" Rotary Mower Attachment For Tractors.....	240.37	
01 22 23 00-0493	WK		60" Rotary Mower Attachment For Tractors.....	743.40	
01 22 23 00-0494	DAY		84" Rotary Mower Attachment For Tractors.....	262.67	
01 22 23 00-0495	WK		84" Rotary Mower Attachment For Tractors.....	805.35	
01 22 23 00-0496	DAY		Under Deck Rotary Mower Attachment For Tractors	40.18	
01 22 23 00-0497	WK		Under Deck Rotary Mower Attachment For Tractors	160.73	
01 22 23 00-0498			Shoring <small>(01 22 23 00-0274)</small>		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0499			Aluminum Hydraulic Shoring <small>(01 22 23 00-0498)</small>		
			Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0500	WK		2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	120.17	
			Note: Up to 88" spread width.		
01 22 23 00-0501	MO		2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	354.46	
			Note: Up to 88" spread width.		
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-14.18	
01 22 23 00-0502	WK		Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	161.21	
			Note: Up to 88" spread width.		
01 22 23 00-0503	MO		Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	475.49	
			Note: Up to 88" spread width.		
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-19.02	
01 22 23 00-0504	WK		Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	298.93	
			Note: Up to 88" spread width.		
01 22 23 00-0505	MO		Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	881.83	
			Note: Up to 88" spread width.		
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-35.27	
01 22 23 00-0506	EA		Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	28.13	
01 22 23 00-0507	EA		Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	45.01	
01 22 23 00-0508	EA		Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	75.00	
01 22 23 00-0509			Trench Boxes/Trench Shields <small>(01 22 23 00-0274)</small>		
			Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0510	WK		4' x 6' Trench Box With Up To 48" Spreaders.....	256.08	
01 22 23 00-0511	MO		4' x 6' Trench Box With Up To 48" Spreaders.....	768.23	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-30.73	
01 22 23 00-0512	WK		6' x 6' Trench Box With Up To 48" Spreaders.....	289.12	
01 22 23 00-0513	MO		6' x 6' Trench Box With Up To 48" Spreaders.....	867.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-34.69	
01 22 23 00-0514	WK		8' x 6' Trench Box With Up To 48" Spreaders.....	305.64	
01 22 23 00-0515	MO		8' x 6' Trench Box With Up To 48" Spreaders.....	916.92	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-36.68	
01 22 23 00-0516	WK		4' x 8' Trench Box With Up To 48" Spreaders.....	280.86	
01 22 23 00-0517	MO		4' x 8' Trench Box With Up To 48" Spreaders.....	842.57	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-33.70	
01 22 23 00-0518	WK		6' x 8' Trench Box With Up To 48" Spreaders.....	330.42	
01 22 23 00-0519	MO		6' x 8' Trench Box With Up To 48" Spreaders.....	991.26	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-39.65	
01 22 23 00-0520	WK		8' x 8' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23 00-0521	MO		8' x 8' Trench Box With Up To 48" Spreaders.....	1,115.17	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-44.61	
01 22 23 00-0522	WK		4' x 10' Trench Box With Up To 48" Spreaders.....	313.90	
01 22 23 00-0523	MO		4' x 10' Trench Box With Up To 48" Spreaders.....	941.70	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-37.67	
01 22 23 00-0524	WK		6' x 10' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23 00-0525	MO		6' x 10' Trench Box With Up To 48" Spreaders.....	1,115.17	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-44.61	
01 22 23 00-0526	WK		8' x 10' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23 00-0527	MO		8' x 10' Trench Box With Up To 48" Spreaders.....	1,354.72	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-54.19	
01 22 23 00-0528	WK		4' x 12' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23 00-0529	MO		4' x 12' Trench Box With Up To 48" Spreaders.....	1,115.17	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-44.61	
01 22 23 00-0530	WK		6' x 12' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23 00-0531	MO		6' x 12' Trench Box With Up To 48" Spreaders.....	1,362.98	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-54.52	
01 22 23 00-0532	WK		8' x 12' Trench Box With Up To 48" Spreaders.....	578.24	
01 22 23 00-0533	MO		8' x 12' Trench Box With Up To 48" Spreaders.....	1,734.70	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-69.39	
01 22 23 00-0534	WK		4' x 14' Trench Box With Up To 48" Spreaders.....	413.02	
01 22 23 00-0535	MO		4' x 14' Trench Box With Up To 48" Spreaders.....	1,239.08	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-49.56	
01 22 23 00-0536	WK		6' x 14' Trench Box With Up To 48" Spreaders.....	536.93	
01 22 23 00-0537	MO		6' x 14' Trench Box With Up To 48" Spreaders.....	1,610.80	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-64.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0538 WK 8' x 14' Trench Box With Up To 48" Spreaders.....	660.84	
01 22 23 00-0539 MO 8' x 14' Trench Box With Up To 48" Spreaders.....	1,982.52	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-79.30	
01 22 23 00-0540 WK 4' x 16' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23 00-0541 MO 4' x 16' Trench Box With Up To 48" Spreaders.....	1,362.98	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-54.52	
01 22 23 00-0542 WK 6' x 16' Trench Box With Up To 48" Spreaders.....	619.54	
01 22 23 00-0543 MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,858.61	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-74.34	
01 22 23 00-0544 WK 8' x 16' Trench Box With Up To 48" Spreaders.....	743.44	
01 22 23 00-0545 MO 8' x 16' Trench Box With Up To 48" Spreaders.....	2,230.34	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-89.21	
01 22 23 00-0546 WK 4' x 20' Trench Box With Up To 48" Spreaders.....	536.93	
01 22 23 00-0547 MO 4' x 20' Trench Box With Up To 48" Spreaders.....	1,610.80	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-64.43	
01 22 23 00-0548 WK 6' x 20' Trench Box With Up To 48" Spreaders.....	743.44	
01 22 23 00-0549 MO 6' x 20' Trench Box With Up To 48" Spreaders.....	2,230.34	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-89.21	
01 22 23 00-0550 WK 8' x 20' Trench Box With Up To 48" Spreaders.....	867.35	
01 22 23 00-0551 MO 8' x 20' Trench Box With Up To 48" Spreaders.....	2,602.06	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-104.08	
01 22 23 00-0552 WK 4' x 24' Trench Box With Up To 48" Spreaders.....	743.44	
01 22 23 00-0553 MO 4' x 24' Trench Box With Up To 48" Spreaders.....	2,230.34	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-89.21	
01 22 23 00-0554 WK 6' x 24' Trench Box With Up To 48" Spreaders.....	908.66	
01 22 23 00-0555 MO 6' x 24' Trench Box With Up To 48" Spreaders.....	2,725.96	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-109.04	
01 22 23 00-0556 WK 8' x 24' Trench Box With Up To 48" Spreaders.....	991.26	
01 22 23 00-0557 MO 8' x 24' Trench Box With Up To 48" Spreaders.....	2,973.78	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-118.95	
01 22 23 00-0558 WK For Spreaders >48" To 84", Add.....	24.78	
01 22 23 00-0559 MO For Spreaders >48" To 84", Add.....	74.34	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-2.97	
01 22 23 00-0560 WK For Spreaders >84" To 120", Add.....	148.69	
01 22 23 00-0561 MO For Spreaders >84" To 120", Add.....	446.07	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-17.84	
01 22 23 00-0562 WK For Spreaders >120", Add.....	313.90	
01 22 23 00-0563 MO For Spreaders >120", Add.....	941.70	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-37.67	
01 22 23 00-0564 WK 8' x 4' Manhole Box.....	390.31	
01 22 23 00-0565 MO 8' x 4' Manhole Box.....	1,170.93	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-46.84	
01 22 23 00-0566 WK 8' x 8' Manhole Box.....	557.58	
01 22 23 00-0567 MO 8' x 8' Manhole Box.....	1,672.75	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-66.91	
01 22 23 00-0568 Trenchers (01 22 23 00-0274)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0569 DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,320.54	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
01 22 23 00-0570 WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,970.82	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
01 22 23 00-0571 MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	23,738.35	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-148.68	
01 22 23 00-0572 DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,989.60	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
01 22 23 00-0573 WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	8,225.80	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
01 22 23 00-0574 MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	29,933.35	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-396.48	
01 22 23 00-0575 Portable Sediment Tank (01 22 23 00-0274)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0576 WK Portable Sediment Tank.....	200.92	
01 22 23 00-0577 MO Portable Sediment Tank.....	589.36	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-23.57	
01 22 23 00-0578 Heavy Equipment (Ground Protection) Mats (01 22 23 00-0274)		
Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0274 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0579 DAY 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	21.42	
01 22 23 00-0580 WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	51.00	
01 22 23 00-0581 MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	107.09	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-4.28	
01 22 23 00-0582 DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	22.49	
01 22 23 00-0583 WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	53.54	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0584	MO	16'	Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	112.44	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.50	
01 22 23 00-0585	Day	16'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	18.21	
01 22 23 00-0586	WK	16'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	42.84	
01 22 23 00-0587	MO	16'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	91.03	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-3.64	
01 22 23 00-0588	Day	18'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	20.35	
01 22 23 00-0589	WK	18'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	48.19	
01 22 23 00-0590	MO	18'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	101.74	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.07	
01 22 23 00-0591	Day	20'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	22.49	
01 22 23 00-0592	WK	20'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	53.54	
01 22 23 00-0593	MO	20'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	112.44	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.50	
01 22 23 00-0594	Day	24'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	24.63	
01 22 23 00-0595	WK	24'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	58.64	
01 22 23 00-0596	MO	24'	Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	123.15	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.93	
01 22 23 00-0597	Day	12'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	19.28	
01 22 23 00-0598	WK	12'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	53.54	
01 22 23 00-0599	MO	12'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	96.38	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-3.86	
01 22 23 00-0600	Day	16'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	22.49	
01 22 23 00-0601	WK	16'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	53.54	
01 22 23 00-0602	MO	16'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	112.44	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.50	
01 22 23 00-0603	Day	20'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	26.77	
01 22 23 00-0604	WK	20'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	58.90	
01 22 23 00-0605	MO	20'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	133.86	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-5.35	
01 22 23 00-0606	Day	24'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	28.91	
01 22 23 00-0607	WK	24'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	68.84	
01 22 23 00-0608	MO	24'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	144.57	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-5.78	
01 22 23 00-0609	Day	28'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	31.06	
01 22 23 00-0610	WK	28'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	73.94	
01 22 23 00-0611	MO	28'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	155.28	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-6.21	
01 22 23 00-0612	Day	30'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	32.13	
01 22 23 00-0613	WK	30'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	76.49	
01 22 23 00-0614	MO	30'	Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	160.64	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-6.43	
01 22 23 00-0615	Day	14'	Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	10.30	
01 22 23 00-0616	WK	14'	Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.76	
01 22 23 00-0617	MO	14'	Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	77.27	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-3.09	
01 22 23 00-0618	Day	14'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	12.32	
01 22 23 00-0619	WK	14'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	30.79	
01 22 23 00-0620	MO	14'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	92.37	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-3.69	
01 22 23 00-0621	Day	16'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.06	
01 22 23 00-0622	WK	16'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	35.16	
01 22 23 00-0623	MO	16'	Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.48	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.22	
01 22 23 00-0624	Day	14'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.99	
01 22 23 00-0625	WK	14'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.48	
01 22 23 00-0626	MO	14'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	112.44	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.50	
01 22 23 00-0627	Day	16'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.13	
01 22 23 00-0628	WK	16'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	42.84	
01 22 23 00-0629	MO	16'	Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	128.51	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-5.14	
01 22 23 00-0630	Day	16'	Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.69	
01 22 23 00-0631	WK	16'	Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.23	
01 22 23 00-0632	MO	16'	Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	147.68	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-5.91	
01 22 23 00-0633	Day	24'	Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.15	
01 22 23 00-0634	WK	24'	Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.87	
01 22 23 00-0635	MO	24'	Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	113.62	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-4.54	
01 22 23 00-0636	Day	30'	Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.51	
01 22 23 00-0637	WK	30'	Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	51.28	
01 22 23 00-0638	MO	30'	Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	153.83	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-6.15	
01 22 23 00-0639	Day	24'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.73	
01 22 23 00-0640	WK	24'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.34	
01 22 23 00-0641	MO	24'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	133.01	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-5.32	
01 22 23 00-0642	Day	40'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	29.58	
01 22 23 00-0643	WK	40'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	73.94	
01 22 23 00-0644	MO	40'	Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	221.83	
			<i>For >6 Months (>26 Weeks), Deduct</i>	-8.87	
01 22 23 00-0645	Day	40'	Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	31.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0646 WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	78.82	
01 22 23 00-0647 MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	236.45	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-9.46	
01 22 23 00-0648 Electrical Equipment (01 22 23)		
01 22 23 00-0649 Tripod Mounted Floodlights (01 22 23 00-0648)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0650 DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	71.41	
01 22 23 00-0651 WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	168.95	
01 22 23 00-0652 MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	357.07	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-14.28	
01 22 23 00-0653 DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	71.41	
01 22 23 00-0654 WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	209.02	
01 22 23 00-0655 MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	618.34	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-24.73	
01 22 23 00-0656 DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	80.12	
01 22 23 00-0657 WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	217.72	
01 22 23 00-0658 MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	531.25	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-21.25	
01 22 23 00-0659 Trailer Mounted Floodlights (01 22 23 00-0648)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0660 DAY 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	200.31	
01 22 23 00-0661 WK 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	444.16	
01 22 23 00-0662 MO 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	957.99	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-38.32	
01 22 23 00-0663 Generator Sets (01 22 23 00-0648)		
01 22 23 00-0664 Portable, Gas Powered Generator Sets (01 22 23 00-0663)		
Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0816 for reimbursable fuel fees.		
01 22 23 00-0665 DAY 3.6 KW, 8 HP Gas Powered Generator Set.....	54.36	
Note: Fuel consumption: 100% load - 0.54 gallons per hour		
<i>For LP Or NG Gas, Add</i>	6.80	
<i>For >160 To 320 Hours Usage Per Month, Add</i>	27.18	
01 22 23 00-0666 WK 3.6 KW, 8 HP Gas Powered Generator Set.....	195.97	
Note: Fuel consumption: 100% load - 0.54 gallons per hour		
<i>For LP Or NG Gas, Add</i>	24.50	
01 22 23 00-0667 MO 3.6 KW, 8 HP Gas Powered Generator Set.....	543.65	
Note: Fuel consumption: 100% load - 0.54 gallons per hour		
<i>For LP Or NG Gas, Add</i>	67.96	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-21.75	
01 22 23 00-0668 DAY 5 KW, 11 HP Gas Powered Generator Set.....	77.12	
Note: Fuel consumption: 100% load - 0.75 gallons per hour		
<i>For LP Or NG Gas, Add</i>	9.64	
01 22 23 00-0669 WK 5 KW, 11 HP Gas Powered Generator Set.....	246.54	
Note: Fuel consumption: 100% load - 0.75 gallons per hour		
<i>For LP Or NG Gas, Add</i>	30.82	
01 22 23 00-0670 MO 5 KW, 11 HP Gas Powered Generator Set.....	562.61	
Note: Fuel consumption: 100% load - 0.75 gallons per hour		
<i>For LP Or NG Gas, Add</i>	70.33	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-22.50	
01 22 23 00-0671 DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	98.62	
Note: Fuel consumption: 100% load - 0.975 gallons per hour		
<i>For LP Or NG Gas, Add</i>	12.33	
01 22 23 00-0672 WK 6.5 KW, 13 HP Gas Powered Generator Set.....	265.50	
Note: Fuel consumption: 100% load - 0.975 gallons per hour		
<i>For LP Or NG Gas, Add</i>	33.19	
01 22 23 00-0673 MO 6.5 KW, 13 HP Gas Powered Generator Set.....	733.29	
Note: Fuel consumption: 100% load - 0.975 gallons per hour		
<i>For LP Or NG Gas, Add</i>	91.66	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-29.33	
01 22 23 00-0674 DAY 10 KW, 18 HP Gas Powered Generator Set.....	109.99	
Note: Fuel consumption: 100% load - 1.5 gallons per hour		
<i>For LP Or NG Gas, Add</i>	13.75	
01 22 23 00-0675 WK 10 KW, 18 HP Gas Powered Generator Set.....	297.11	
Note: Fuel consumption: 100% load - 1.5 gallons per hour		
<i>For LP Or NG Gas, Add</i>	37.14	
01 22 23 00-0676 MO 10 KW, 18 HP Gas Powered Generator Set.....	853.40	
Note: Fuel consumption: 100% load - 1.5 gallons per hour		
<i>For LP Or NG Gas, Add</i>	106.68	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-34.14	
01 22 23 00-0677 Towable, Diesel Powered Generator Sets (01 22 23 00-0663)		
Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0816 for reimbursable fuel fees.		

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01 22 23 00-0678	DAY		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	226.31	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	113.16	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	226.31	
01 22 23 00-0679	WK		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	591.69	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	295.85	
			<i>For >80 Hours Usage Per Week, Add</i>	591.69	
01 22 23 00-0680	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,611.98	
			Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	805.99	
			<i>For >320 Hours Usage Per Month, Add</i>	1,611.98	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-64.48	
01 22 23 00-0681	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	365.92	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	182.96	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	365.92	
01 22 23 00-0682	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,085.97	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	542.99	
			<i>For >80 Hours Usage Per Week, Add</i>	1,085.97	
01 22 23 00-0683	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,242.76	
			Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,121.38	
			<i>For >320 Hours Usage Per Month, Add</i>	2,242.76	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-89.71	
01 22 23 00-0684	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	401.34	
			Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	200.67	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	401.34	
01 22 23 00-0685	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,121.38	
			Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	560.69	
			<i>For >80 Hours Usage Per Week, Add</i>	1,121.38	
01 22 23 00-0686	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,478.84	
			Note: Fuel consumption: 100% load – 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,239.42	
			<i>For >320 Hours Usage Per Month, Add</i>	2,478.84	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-99.15	
01 22 23 00-0687	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	430.85	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	215.43	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	430.85	
01 22 23 00-0688	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,180.40	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	590.20	
			<i>For >80 Hours Usage Per Week, Add</i>	1,180.40	
01 22 23 00-0689	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,832.96	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,416.48	
			<i>For >320 Hours Usage Per Month, Add</i>	2,832.96	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-113.32	
01 22 23 00-0690	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	472.16	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	236.08	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	472.16	
01 22 23 00-0691	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,339.75	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	669.88	
			<i>For >80 Hours Usage Per Week, Add</i>	1,339.75	
01 22 23 00-0692	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,187.08	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	1,593.54	
			<i>For >320 Hours Usage Per Month, Add</i>	3,187.08	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-127.48	
01 22 23 00-0693	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	531.18	
			Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	265.59	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	531.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23	00-0694	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,416.48 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 708.24 <i>For >80 Hours Usage Per Week, Add</i> 1,416.48		
	01 22 23	00-0695	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set 3,541.20 Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 1,770.60 <i>For >320 Hours Usage Per Month, Add</i> 3,541.20 <i>For >6 Months (>26 Weeks) , Deduct</i> -141.65		
	01 22 23	00-0696	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set 548.89 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 274.45 <i>For >16 To 24 Hours Usage Per Day, Add</i> 548.89		
	01 22 23	00-0697	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,475.50 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 737.75 <i>For >80 Hours Usage Per Week, Add</i> 1,475.50		
	01 22 23	00-0698	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set 4,013.36 Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 2,006.68 <i>For >320 Hours Usage Per Month, Add</i> 4,013.36 <i>For >6 Months (>26 Weeks) , Deduct</i> -160.53		
	01 22 23	00-0699	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set 619.71 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 309.86 <i>For >16 To 24 Hours Usage Per Day, Add</i> 619.71		
	01 22 23	00-0700	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,711.58 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 855.79 <i>For >80 Hours Usage Per Week, Add</i> 1,711.58		
	01 22 23	00-0701	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set 4,603.56 Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 2,301.78 <i>For >320 Hours Usage Per Month, Add</i> 4,603.56 <i>For >6 Months (>26 Weeks) , Deduct</i> -184.14		
	01 22 23	00-0702	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set 649.22 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 324.61 <i>For >16 To 24 Hours Usage Per Day, Add</i> 649.22		
	01 22 23	00-0703	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,800.11 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 900.06 <i>For >80 Hours Usage Per Week, Add</i> 1,800.11		
	01 22 23	00-0704	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set 5,075.72 Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 2,537.86 <i>For >320 Hours Usage Per Month, Add</i> 5,075.72 <i>For >6 Months (>26 Weeks) , Deduct</i> -203.03		
	01 22 23	00-0705	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set 678.73 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 339.37 <i>For >16 To 24 Hours Usage Per Day, Add</i> 678.73		
	01 22 23	00-0706	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,947.66 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 973.83 <i>For >80 Hours Usage Per Week, Add</i> 1,947.66		
	01 22 23	00-0707	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set 5,311.80 Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 2,655.90 <i>For >320 Hours Usage Per Month, Add</i> 5,311.80 <i>For >6 Months (>26 Weeks) , Deduct</i> -212.47		
	01 22 23	00-0708	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set 708.24 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 354.12 <i>For >16 To 24 Hours Usage Per Day, Add</i> 708.24		
	01 22 23	00-0709	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,065.70 Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,032.85 <i>For >80 Hours Usage Per Week, Add</i> 2,065.70		

01	General Requirements
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0710	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,547.88	
			Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	2,773.94	
			<i>For >320 Hours Usage Per Month, Add</i>	5,547.88	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-221.92	
01 22 23 00-0711	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	708.24	
			Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	354.12	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	708.24	
01 22 23 00-0712	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,065.70	
			Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	1,032.85	
			<i>For >80 Hours Usage Per Week, Add</i>	2,065.70	
01 22 23 00-0713	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,547.88	
			Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	2,773.94	
			<i>For >320 Hours Usage Per Month, Add</i>	5,547.88	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-221.92	
01 22 23 00-0714	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	973.83	
			Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	486.92	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	973.83	
01 22 23 00-0715	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,419.82	
			Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	1,209.91	
			<i>For >80 Hours Usage Per Week, Add</i>	2,419.82	
01 22 23 00-0716	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,082.40	
			Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	3,541.20	
			<i>For >320 Hours Usage Per Month, Add</i>	7,082.40	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-283.30	
01 22 23 00-0717	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,032.85	
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	516.43	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	1,032.85	
01 22 23 00-0718	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,478.84	
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	1,239.42	
			<i>For >80 Hours Usage Per Week, Add</i>	2,478.84	
01 22 23 00-0719	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,318.48	
			Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	3,659.24	
			<i>For >320 Hours Usage Per Month, Add</i>	7,318.48	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-292.74	
01 22 23 00-0720	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,091.87	
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	545.94	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	1,091.87	
01 22 23 00-0721	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,537.86	
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	1,268.93	
			<i>For >80 Hours Usage Per Week, Add</i>	2,537.86	
01 22 23 00-0722	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,554.56	
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	3,777.28	
			<i>For >320 Hours Usage Per Month, Add</i>	7,554.56	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-302.18	
01 22 23 00-0723	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,127.28	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			<i>For >8 To 16 Hours Usage Per Day, Add</i>	563.64	
			<i>For >16 To 24 Hours Usage Per Day, Add</i>	1,127.28	
01 22 23 00-0724	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,714.92	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			<i>For >40 To 80 Hours Usage Per Week, Add</i>	1,357.46	
			<i>For >80 Hours Usage Per Week, Add</i>	2,714.92	
01 22 23 00-0725	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,026.72	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			<i>For >160 To 320 Hours Usage Per Month, Add</i>	4,013.36	
			<i>For >320 Hours Usage Per Month, Add</i>	8,026.72	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-321.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0726 DAY 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 1,180.40 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 590.20 <i>For >16 To 24 Hours Usage Per Day, Add</i> 1,180.40		
01 22 23 00-0727 WK 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 3,069.04 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 1,534.52 <i>For >80 Hours Usage Per Week, Add</i> 3,069.04		
01 22 23 00-0728 MO 350.0 KW, 60 Hertz Towable Diesel Powered Generator Set 8,853.00 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 4,426.50 <i>For >320 Hours Usage Per Month, Add</i> 8,853.00 <i>For >6 Months (>26 Weeks) , Deduct</i> -354.12		
01 22 23 00-0729 DAY 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 2,188.13 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 1,094.07 <i>For >16 To 24 Hours Usage Per Day, Add</i> 2,188.13		
01 22 23 00-0730 WK 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 5,657.36 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 2,828.68 <i>For >80 Hours Usage Per Week, Add</i> 5,657.36		
01 22 23 00-0731 MO 400.0 KW, 60 Hertz Towable Diesel Powered Generator Set 14,961.60 Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 7,480.80 <i>For >320 Hours Usage Per Month, Add</i> 14,961.60 <i>For >6 Months (>26 Weeks) , Deduct</i> -598.46		
01 22 23 00-0732 DAY 500.0 KW, 60 Hertz Container Diesel Powered Generator Set 2,805.30 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 1,402.65 <i>For >16 To 24 Hours Usage Per Day, Add</i> 2,805.30		
01 22 23 00-0733 WK 500.0 KW, 60 Hertz Container Diesel Powered Generator Set 7,293.78 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 3,646.89 <i>For >80 Hours Usage Per Week, Add</i> 7,293.78		
01 22 23 00-0734 MO 500.0 KW, 60 Hertz Container Diesel Powered Generator Set 16,831.80 Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 8,415.90 <i>For >320 Hours Usage Per Month, Add</i> 16,831.80 <i>For >6 Months (>26 Weeks) , Deduct</i> -673.27		
01 22 23 00-0735 DAY 640.0 KW, 60 Hertz Container Diesel Powered Generator Set 3,469.22 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 1,734.61 <i>For >16 To 24 Hours Usage Per Day, Add</i> 3,469.22		
01 22 23 00-0736 WK 640.0 KW, 60 Hertz Container Diesel Powered Generator Set 9,163.98 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 4,581.99 <i>For >80 Hours Usage Per Week, Add</i> 9,163.98		
01 22 23 00-0737 MO 640.0 KW, 60 Hertz Container Diesel Powered Generator Set 22,442.40 Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 11,221.20 <i>For >320 Hours Usage Per Month, Add</i> 22,442.40 <i>For >6 Months (>26 Weeks) , Deduct</i> -897.70		
01 22 23 00-0738 DAY 750.0 KW, 60 Hertz Container Diesel Powered Generator Set 3,749.75 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> 1,874.88 <i>For >16 To 24 Hours Usage Per Day, Add</i> 3,749.75		
01 22 23 00-0739 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set 8,640.32 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> 4,320.16 <i>For >80 Hours Usage Per Week, Add</i> 8,640.32		
01 22 23 00-0740 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set 25,920.97 Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> 12,960.49 <i>For >320 Hours Usage Per Month, Add</i> 25,920.97 <i>For >6 Months (>26 Weeks) , Deduct</i> -1,036.84		
01 22 23 00-0741 DAY 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 4,254.70 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
01 22 23 00-0742 WK 1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... 11,118.34 Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		

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MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0743	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	30,456.21		
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.			
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,218.25		
01 22 23 00-0744	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,610.60		
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.			
01 22 23 00-0745	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,831.80		
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.			
01 22 23 00-0746	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	48,260.51		
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.			
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,930.42		
01 22 23 00-0747	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,396.64		
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.			
01 22 23 00-0748	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,496.28		
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.			
01 22 23 00-0749	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	50,495.40		
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.			
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-2,019.82		
01 22 23 00-0750	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	967.67		
01 22 23 00-0751	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,581.22		
01 22 23 00-0752	EA	1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	2,690.28		
01 22 23 00-0753		Generator Accessories <small>(01 22 23 00-0663)</small>			
		Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0754		Step Down Transformer <small>(01 22 23 00-0753)</small>			
01 22 23 00-0755	WK	75 KVA, 480-208 Volt, Step Down Transformer.....	348.22		
01 22 23 00-0756	MO	75 KVA, 480-208 Volt, Step Down Transformer.....	973.83		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-38.95		
01 22 23 00-0757	WK	150 KVA, 480-208 Volt, Step Down Transformer.....	558.33		
01 22 23 00-0758	MO	150 KVA, 480-208 Volt, Step Down Transformer.....	1,673.81		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-66.95		
01 22 23 00-0759	WK	225 KVA, 480-208 Volt, Step Down Transformer.....	743.65		
01 22 23 00-0760	MO	225 KVA, 480-208 Volt, Step Down Transformer.....	2,230.96		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-89.24		
01 22 23 00-0761	WK	500 KVA, 480-208 Volt, Step Down Transformer.....	885.30		
01 22 23 00-0762	MO	500 KVA, 480-208 Volt, Step Down Transformer.....	2,655.90		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-106.24		
01 22 23 00-0763	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,322.05		
01 22 23 00-0764	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,948.44		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-157.94		
01 22 23 00-0765	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,148.33		
01 22 23 00-0766	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,439.08		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-257.56		
01 22 23 00-0767	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	2,478.84		
01 22 23 00-0768	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer.....	7,436.52		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-297.46		
01 22 23 00-0769		Portable Panel <small>(01 22 23 00-0753)</small>			
01 22 23 00-0770	WK	100 Amperes, Portable Panel.....	277.39		
01 22 23 00-0771	MO	100 Amperes, Portable Panel.....	708.24		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-28.33		
01 22 23 00-0772	WK	200 Amperes, Portable Panel.....	331.69		
01 22 23 00-0773	MO	200 Amperes, Portable Panel.....	885.30		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-35.41		
01 22 23 00-0774	WK	400 Amperes, Portable Panel.....	354.12		
01 22 23 00-0775	MO	400 Amperes, Portable Panel.....	1,062.36		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-42.49		
01 22 23 00-0776		Portable Fusible Disconnect <small>(01 22 23 00-0753)</small>			
01 22 23 00-0777	WK	100 - 200 Amperes, Portable Fusible Disconnect.....	123.94		
01 22 23 00-0778	MO	100 - 200 Amperes, Portable Fusible Disconnect.....	371.83		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-14.87		
01 22 23 00-0779	WK	300 - 400 Amperes, Portable Fusible Disconnect.....	247.88		
01 22 23 00-0780	MO	300 - 400 Amperes, Portable Fusible Disconnect.....	743.65		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-29.75		
01 22 23 00-0781		Portable Transfer Switch <small>(01 22 23 00-0753)</small>			
01 22 23 00-0782	WK	100 Amperes, 480 Volt, Portable Transfer Switch.....	371.83		
01 22 23 00-0783	MO	100 Amperes, 480 Volt, Portable Transfer Switch.....	1,115.48		
		<i>For >6 Months (>26 Weeks) , Deduct</i>	-44.62		
01 22 23 00-0784	WK	200 Amperes, 480 Volt, Portable Transfer Switch.....	495.77		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0785 MO 200 Amperes, 480 Volt, Portable Transfer Switch <i>For >6 Months (>26 Weeks) , Deduct</i>	1,487.30 -59.49	
01 22 23 00-0786 WK 400 Amperes, 480 Volt, Portable Transfer Switch	619.71	
01 22 23 00-0787 MO 400 Amperes, 480 Volt, Portable Transfer Switch <i>For >6 Months (>26 Weeks) , Deduct</i>	1,859.13 -74.37	
01 22 23 00-0788 Cabling For Generator Sets (01 22 23 00-0663) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0789 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set	25.97	
01 22 23 00-0790 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set	45.45	
01 22 23 00-0791 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set <i>For >6 Months (>26 Weeks) , Deduct</i>	136.34 -5.45	
01 22 23 00-0792 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	12.98	
01 22 23 00-0793 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	37.77	
01 22 23 00-0794 MO 50', 4/0 Cable With Camlock Ends For Generator Set <i>For >6 Months (>26 Weeks) , Deduct</i>	105.06 -4.20	
01 22 23 00-0795 Resistive Loadbanks For Generator Sets (01 22 23 00-0663) Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0816 for reimbursable fuel fees.		
01 22 23 00-0796 DAY 100 KW A/C Resistive Loadbank.....	360.70	
01 22 23 00-0797 WK 100 KW A/C Resistive Loadbank.....	686.03	
01 22 23 00-0798 MO 100 KW A/C Resistive Loadbank..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,874.20 -74.97	
01 22 23 00-0799 DAY 650 KW A/C Resistive Loadbank.....	758.73	
01 22 23 00-0800 WK 650 KW A/C Resistive Loadbank.....	2,029.02	
01 22 23 00-0801 MO 650 KW A/C Resistive Loadbank..... <i>For >6 Months (>26 Weeks) , Deduct</i>	5,173.15 -206.93	
01 22 23 00-0802 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0663) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0803 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	63.74	
01 22 23 00-0804 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	165.26	
01 22 23 00-0805 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)..... <i>For >6 Months (>26 Weeks) , Deduct</i>	466.26 -18.65	
01 22 23 00-0806 Portable Distribution Panels For Generator Sets (01 22 23 00-0663) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0807 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	141.65	
01 22 23 00-0808 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	383.63	
01 22 23 00-0809 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,074.16 -42.97	
01 22 23 00-0810 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	115.68	
01 22 23 00-0811 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	301.00	
01 22 23 00-0812 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel..... <i>For >6 Months (>26 Weeks) , Deduct</i>	855.79 -34.23	
01 22 23 00-0813 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	147.55	
01 22 23 00-0814 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	371.83	
01 22 23 00-0815 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,009.24 -40.37	
01 22 23 00-0816 Fuel Reimbursement For Generators (01 22 23 00-0663)		
01 22 23 00-0817 EA Fuel Reimbursement For Generators	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0818 Portable Fume Extractors (01 22 23 00-0648) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0819 DAY Portable Fume Extractor.....	29.80	
01 22 23 00-0820 WK Portable Fume Extractor.....	89.40	
01 22 23 00-0821 Portable Floor Drying Fans (01 22 23 00-0648) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0822 DAY 2,250 CFM Portable Floor Drying Fan	22.37	
01 22 23 00-0823 WK 2,250 CFM Portable Floor Drying Fan	103.44	
01 22 23 00-0824 MO 2,250 CFM Portable Floor Drying Fan	342.49	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-13.70	
01 22 23 00-0825 Portable Dehumidifiers (01 22 23 00-0648) Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.		
01 22 23 00-0826 DAY 7.5 To 10 Gallons Per Day, Portable Dehumidifier	189.66	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0827 WK 7.5 To 10 Gallons Per Day, Portable Dehumidifier	620.69	
01 22 23 00-0828 MO 7.5 To 10 Gallons Per Day, Portable Dehumidifier	1,758.63	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-70.35	
01 22 23 00-0829 DAY 16 To 25 Gallons Per Day, Portable Dehumidifier	279.31	
01 22 23 00-0830 WK 16 To 25 Gallons Per Day, Portable Dehumidifier	896.56	
01 22 23 00-0831 MO 16 To 25 Gallons Per Day, Portable Dehumidifier	2,500.02	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-100.00	
01 22 23 00-0832 Welding Machines <small>(01 22 23 00-0648)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</i>		
01 22 23 00-0833 CC/CV Inverter Welder <small>(01 22 23 00-0832)</small>		
<i>Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0816 for reimbursable fuel fees.</i>		
01 22 23 00-0834 DAY 250 Amperes, CC Inverter Welder	46.42	
01 22 23 00-0835 WK 250 Amperes, CC Inverter Welder	101.13	
01 22 23 00-0836 MO 250 Amperes, CC Inverter Welder	306.71	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-12.27	
01 22 23 00-0837 DAY 300 Amperes, CC/CV Inverter Welder	53.05	
01 22 23 00-0838 WK 300 Amperes, CC/CV Inverter Welder	140.92	
01 22 23 00-0839 MO 300 Amperes, CC/CV Inverter Welder	373.03	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-14.92	
01 22 23 00-0840 DAY 350 Amperes, CC/CV Inverter Welder	54.71	
01 22 23 00-0841 WK 350 Amperes, CC/CV Inverter Welder	144.24	
01 22 23 00-0842 MO 350 Amperes, CC/CV Inverter Welder	406.19	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-16.25	
01 22 23 00-0843 MIG Welder <small>(01 22 23 00-0832)</small>		
<i>Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0816 for reimbursable fuel fees.</i>		
01 22 23 00-0844 DAY 115 Volt MIG Welder	79.58	
01 22 23 00-0845 WK 115 Volt MIG Welder	207.24	
01 22 23 00-0846 MO 115 Volt MIG Welder	563.69	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-22.55	
01 22 23 00-0847 Diesel Powered Towable Welding Machines <small>(01 22 23 00-0832)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</i>		
01 22 23 00-0848 DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine	149.21	
01 22 23 00-0849 WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine	364.74	
01 22 23 00-0850 MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine	870.40	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-34.82	
01 22 23 00-0851 DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine	198.95	
01 22 23 00-0852 WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine	389.61	
01 22 23 00-0853 MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine	910.19	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-36.41	
01 22 23 00-0854 DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine	207.24	
01 22 23 00-0855 WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine	414.48	
01 22 23 00-0856 MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine	1,011.32	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-40.45	
01 22 23 00-0857 General Equipment <small>(01 22 23)</small>		
01 22 23 00-0858 Jacks And Bracing <small>(01 22 23 00-0857)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0859 Manual Hydraulic Jacks <small>(01 22 23 00-0858)</small>		
01 22 23 00-0860 DAY 12 Ton Manual Hydraulic Bottle Jack	1.67	
01 22 23 00-0861 WK 12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0862 MO 12 Ton Manual Hydraulic Bottle Jack	28.50	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.14	
01 22 23 00-0863 DAY 20 Ton Manual Hydraulic Bottle Jack	2.92	
01 22 23 00-0864 WK 20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0865 MO 20 Ton Manual Hydraulic Bottle Jack	34.76	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.39	
01 22 23 00-0866 DAY 50 Ton Manual Hydraulic Bottle Jack	10.43	
01 22 23 00-0867 WK 50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0868 MO 50 Ton Manual Hydraulic Bottle Jack	145.66	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.83	
01 22 23 00-0869 DAY 100 Ton Manual Hydraulic Bottle Jack	14.61	
01 22 23 00-0870 WK 100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0871 MO 100 Ton Manual Hydraulic Bottle Jack	210.46	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-8.42	
01 22 23 00-0872 Manual Screw Jacks <small>(01 22 23 00-0858)</small>		
01 22 23 00-0873 DAY 10 To 20 Ton Manual Screw Jack	17.75	
01 22 23 00-0874 WK 10 To 20 Ton Manual Screw Jack	46.99	
01 22 23 00-0875 MO 10 To 20 Ton Manual Screw Jack	140.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0876			Pressure Washers <small>(01 22 23 00-0857)</small>		
<small>Note: Includes delivery to job site, pick-up when complete and full time operator.</small>					
01 22 23 00-0877	DAY		2,000 PSI Pressure Washer With Full-Time Operator	828.80	
<i>For Equipment Without Operator, Deduct</i>				-713.86	
01 22 23 00-0878	WK		2,000 PSI Pressure Washer With Full-Time Operator	3,861.07	
<i>For Equipment Without Operator, Deduct</i>				-3,569.30	
01 22 23 00-0879	MO		2,000 PSI Pressure Washer With Full-Time Operator	16,209.66	
<i>For Equipment Without Operator, Deduct</i>				-15,466.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-29.71	
01 22 23 00-0880	DAY		2,500 PSI Pressure Washer With Full-Time Operator	828.80	
<i>For Equipment Without Operator, Deduct</i>				-713.86	
01 22 23 00-0881	WK		2,500 PSI Pressure Washer With Full-Time Operator	3,861.07	
<i>For Equipment Without Operator, Deduct</i>				-3,569.30	
01 22 23 00-0882	MO		2,500 PSI Pressure Washer With Full-Time Operator	16,209.66	
<i>For Equipment Without Operator, Deduct</i>				-15,466.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-29.71	
01 22 23 00-0883	DAY		3,000 PSI Pressure Washer With Full-Time Operator	828.80	
<i>For Equipment Without Operator, Deduct</i>				-713.86	
01 22 23 00-0884	WK		3,000 PSI Pressure Washer With Full-Time Operator	3,861.07	
<i>For Equipment Without Operator, Deduct</i>				-3,569.30	
01 22 23 00-0885	MO		3,000 PSI Pressure Washer With Full-Time Operator	16,209.66	
<i>For Equipment Without Operator, Deduct</i>				-15,466.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-29.71	
01 22 23 00-0886	DAY		3,500 PSI Pressure Washer With Full-Time Operator	837.64	
<i>For Equipment Without Operator, Deduct</i>				-713.86	
01 22 23 00-0887	WK		3,500 PSI Pressure Washer With Full-Time Operator	3,887.59	
<i>For Equipment Without Operator, Deduct</i>				-3,569.30	
01 22 23 00-0888	MO		3,500 PSI Pressure Washer With Full-Time Operator	16,280.39	
<i>For Equipment Without Operator, Deduct</i>				-15,466.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-32.54	
01 22 23 00-0889	DAY		4,000 PSI Pressure Washer With Full-Time Operator	873.01	
<i>For Equipment Without Operator, Deduct</i>				-713.86	
01 22 23 00-0890	WK		4,000 PSI Pressure Washer With Full-Time Operator	4,002.53	
<i>For Equipment Without Operator, Deduct</i>				-3,569.30	
01 22 23 00-0891	MO		4,000 PSI Pressure Washer With Full-Time Operator	16,678.26	
<i>For Equipment Without Operator, Deduct</i>				-15,466.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-48.45	
01 22 23 00-0892	DAY		5,000 PSI Pressure Washer With Full-Time Operator	890.69	
<i>For Equipment Without Operator, Deduct</i>				-713.86	
01 22 23 00-0893	WK		5,000 PSI Pressure Washer With Full-Time Operator	4,046.74	
<i>For Equipment Without Operator, Deduct</i>				-3,569.30	
01 22 23 00-0894	MO		5,000 PSI Pressure Washer With Full-Time Operator	16,810.88	
<i>For Equipment Without Operator, Deduct</i>				-15,466.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-53.76	

01 22 23 00-0895			Confined Space Entry Equipment <small>(01 22 23 00-0857)</small>		
<small>Note: Includes delivery to job site, set-up, and pick-up when complete.</small>					
01 22 23 00-0896	DAY		Ventilation Equipment For Confined Space	46.36	
<small>Note: Includes electric or gas blower and ventilation duct up to 25'.</small>					
01 22 23 00-0897	WK		Ventilation Equipment For Confined Space	139.07	
<small>Note: Includes electric or gas blower and ventilation duct up to 25'.</small>					
01 22 23 00-0898	MO		Ventilation Equipment For Confined Space	414.99	
<small>Note: Includes electric or gas blower and ventilation duct up to 25'.</small>					
<i>For >6 Months (>26 Weeks) , Deduct</i>				-16.60	
01 22 23 00-0899	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	64.20	
01 22 23 00-0900	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	192.60	
01 22 23 00-0901	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	577.80	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-23.11	
01 22 23 00-0902	DAY		Confined Space Air Monitor Personnel	924.06	
<small>Note: Per person day.</small>					

01 22 23 00-0903			Direct Fired Space Heaters <small>(01 22 23 00-0857)</small>		
<small>Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.</small>					
01 22 23 00-0904	DAY		150,000 BTU/Hour Space Heater	74.15	
01 22 23 00-0905	WK		150,000 BTU/Hour Space Heater	213.19	
01 22 23 00-0906	MO		150,000 BTU/Hour Space Heater	602.48	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-24.10	
01 22 23 00-0907	DAY		500,000 BTU/Hour Space Heater	157.57	
01 22 23 00-0908	WK		500,000 BTU/Hour Space Heater	389.30	
01 22 23 00-0909	MO		500,000 BTU/Hour Space Heater	984.37	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-39.37	

01 22 23 00-0910			Mowers <small>(01 22 23 00-0857)</small>		
<small>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</small>					
01 22 23 00-0911	DAY		21" Walk Behind Lawn Mower	93.91	
01 22 23 00-0912	WK		21" Walk Behind Lawn Mower	270.00	
01 22 23 00-0913	MO		21" Walk Behind Lawn Mower	551.73	
<i>For >6 Months (>26 Weeks) , Deduct</i>				-22.07	
01 22 23 00-0914	DAY		32" Walk Behind Lawn Mower	117.39	
01 22 23 00-0915	WK		32" Walk Behind Lawn Mower	281.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0916	MO		32" Walk Behind Lawn Mower	586.95	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-23.48	
01 22 23 00-0917	DAY		36" To 48" Walk Behind Deck Mower	211.30	
01 22 23 00-0918	WK		36" To 48" Walk Behind Deck Mower	586.95	
01 22 23 00-0919	MO		36" To 48" Walk Behind Deck Mower	1,702.16	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-68.09	
01 22 23 00-0920	DAY		61" To 72" Walk Behind Deck Mower	211.30	
01 22 23 00-0921	WK		61" To 72" Walk Behind Deck Mower	586.95	
01 22 23 00-0922	MO		61" To 72" Walk Behind Deck Mower	1,702.16	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-68.09	
01 22 23 00-0923			Trailer Mounted Brush Chipper <small>(01 22 23 00-0857)</small>		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0924	DAY		4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	238.26	
01 22 23 00-0925	WK		4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	569.74	
01 22 23 00-0926	MO		4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,750.67	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-70.03	
01 22 23 00-0927	DAY		6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	310.77	
01 22 23 00-0928	WK		6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	700.27	
01 22 23 00-0929	MO		6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,864.62	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-74.58	
01 22 23 00-0930	DAY		9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	580.10	
01 22 23 00-0931	WK		9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,305.23	
01 22 23 00-0932	MO		9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,480.62	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-139.22	
01 22 23 00-0933	DAY		12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	522.72	
01 22 23 00-0934	WK		12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,176.12	
01 22 23 00-0935	MO		12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,136.32	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-125.45	
01 22 23 00-0936			Material Handling Equipment <small>(01 22 23)</small>		
01 22 23 00-0937			Truck Mounted Hydraulic Cranes <small>(01 22 23 00-0936)</small>		
			Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0938	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,432.27	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0939	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,291.83	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0940	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	25,495.28	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-160.93	
01 22 23 00-0941	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,549.07	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0942	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,639.00	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0943	MO		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	26,533.52	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-202.46	
01 22 23 00-0944	DAY		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,665.88	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0945	WK		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,986.16	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0946	MO		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,571.76	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-243.99	
01 22 23 00-0947	DAY		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,821.61	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0948	WK		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,453.36	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0949	MO		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,966.90	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-299.79	
01 22 23 00-0950	DAY		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,964.37	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0951	WK		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,420.23	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0952	MO		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	31,864.88	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-415.71	
01 22 23 00-0953	DAY		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,301.80	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0954	WK		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,627.18	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0955	MO		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	35,488.34	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-560.65	
01 22 23 00-0956	DAY		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,515.94	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0957	WK		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,379.90	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0958 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	37,751.70	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-651.18	
01 22 23 00-0959 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,684.65	
For Equipment Without Operator, Deduct	-991.02	
01 22 23 00-0960 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,989.87	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0961 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	39,579.01	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-724.28	
01 22 23 00-0962 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,853.36	
For Equipment Without Operator, Deduct	-991.02	
01 22 23 00-0963 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,599.84	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0964 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,406.31	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-797.37	
01 22 23 00-0965 DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,963.68	
For Equipment Without Operator, Deduct	-991.02	
01 22 23 00-0966 WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,976.20	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0967 MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	42,548.37	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-843.05	
01 22 23 00-0968 DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,112.92	
For Equipment Without Operator, Deduct	-991.02	
01 22 23 00-0969 WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,534.25	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0970 MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	44,209.56	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-909.50	
01 22 23 00-0971 DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,593.11	
For Equipment Without Operator, Deduct	-991.02	
For Half Day Usage, Deduct	-1,040.84	
01 22 23 00-0972 WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,062.41	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0973 MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	48,794.03	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-1,092.88	
01 22 23 00-0974 DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,924.05	
For Equipment Without Operator, Deduct	-991.02	
For Half Day Usage, Deduct	-1,173.21	
01 22 23 00-0975 WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,220.70	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0976 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	52,268.89	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-1,231.87	
01 22 23 00-0977 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,521.04	
For Equipment Without Operator, Deduct	-991.02	
For Half Day Usage, Deduct	-1,412.01	
01 22 23 00-0978 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	17,310.16	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0979 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	58,537.27	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-1,482.61	
01 22 23 00-0980 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,936.33	
For Equipment Without Operator, Deduct	-991.02	
For Half Day Usage, Deduct	-1,578.12	
01 22 23 00-0981 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,763.69	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0982 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	62,897.88	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-1,657.03	
01 22 23 00-0983 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0936)		
Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01		
71 13 00-0004 for lattice crane delivery.		
01 22 23 00-0984 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,548.38	
For Equipment Without Operator, Deduct	-991.02	
01 22 23 00-0985 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	10,509.68	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0986 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	38,135.85	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-666.55	
01 22 23 00-0987 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,748.84	
For Equipment Without Operator, Deduct	-991.02	
01 22 23 00-0988 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	12,508.30	
For Equipment Without Operator, Deduct	-4,955.10	
01 22 23 00-0989 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	44,131.69	
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-906.38	
01 22 23 00-0990 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	3,943.52	
For Equipment Without Operator, Deduct	-991.02	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0991	WK		125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	13,929.39	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0992	MO		125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	48,393.66	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,076.86	
01 22 23 00-0993	DAY		150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,332.86	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0994	WK		150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,350.48	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0995	MO		150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	52,650.45	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,247.13	
01 22 23 00-0996	DAY		200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,517.79	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-0997	WK		200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	16,771.57	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-0998	MO		200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	56,917.61	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,417.82	
01 22 23 00-0999	DAY		250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,702.73	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-1000	WK		250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,192.66	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-1001	MO		250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	61,184.78	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,588.51	
01 22 23 00-1002	DAY		300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,312.69	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-1003	WK		300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	20,379.45	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-1004	MO		300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	67,736.07	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1,850.56	
01 22 23 00-1005	DAY		500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,063.34	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-1006	WK		500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	33,746.79	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-1007	MO		500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	107,853.67	
			<i>For Equipment Without Operator, Deduct</i>	-21,472.10	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-3,455.26	
01 22 23 00-1008			Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0936)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1009	DAY		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,579.37	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
01 22 23 00-1010	WK		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,224.09	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
01 22 23 00-1011	MO		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	23,470.35	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-137.96	
01 22 23 00-1012	DAY		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,648.35	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
01 22 23 00-1013	WK		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,379.30	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
01 22 23 00-1014	MO		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	23,815.25	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-151.76	
01 22 23 00-1015	DAY		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,631.10	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
01 22 23 00-1016	WK		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,456.90	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
01 22 23 00-1017	MO		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,332.60	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-172.45	
01 22 23 00-1018	DAY		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,829.42	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
01 22 23 00-1019	WK		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,974.25	
			<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
01 22 23 00-1020	MO		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,539.75	
			<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-220.74	
01 22 23 00-1021			Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0936)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1022	DAY		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,350.01	
			<i>For Equipment Without Operator, Deduct</i>	-924.06	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1023 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,783.49	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	232.64	
01 22 23 00-1024 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	22,683.55	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	532.44	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-106.49	
01 22 23 00-1025 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,372.43	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	89.67	
01 22 23 00-1026 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	5,844.71	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	244.88	
01 22 23 00-1027 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	22,823.66	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	560.46	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-112.09	
01 22 23 00-1028 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,493.14	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	113.82	
01 22 23 00-1029 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	6,180.98	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	312.13	
01 22 23 00-1030 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	23,599.69	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	715.67	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-143.13	
01 22 23 00-1031 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,559.62	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	127.11	
01 22 23 00-1032 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	6,152.18	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	306.37	
01 22 23 00-1033 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	23,834.74	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	762.68	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-152.54	
01 22 23 00-1034 Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0936)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1035 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,286.20	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	72.43	
01 22 23 00-1036 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,448.07	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	165.55	
01 22 23 00-1037 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	22,004.53	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	396.64	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-79.33	
01 22 23 00-1038 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,294.83	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	74.15	
01 22 23 00-1039 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,473.94	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	170.73	
01 22 23 00-1040 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	22,064.88	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	408.71	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-81.74	
01 22 23 00-1041 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,475.90	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	110.37	
01 22 23 00-1042 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,870.57	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	250.05	
01 22 23 00-1043 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	23,039.23	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	603.58	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-120.72	
01 22 23 00-1044 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,493.14	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	113.82	
01 22 23 00-1045 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	6,017.15	
<i>For Equipment Without Operator, Deduct</i>	-4,620.31	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	279.37	
01 22 23 00-1046 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	23,556.57	
<i>For Equipment Without Operator, Deduct</i>	-20,021.35	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	707.04	
<i>For >6 Months (>26 Weeks) , Deduct</i>	-141.41	
01 22 23 00-1047 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,648.35	
<i>For Equipment Without Operator, Deduct</i>	-924.06	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	144.86	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1048	WK		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,267.21 -4,620.31 329.38	
01 22 23 00-1049	MO		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i> <i>For >6 Months (>26 Weeks), Deduct</i>	23,987.70 -20,021.35 793.27 -158.65	

01 22 23 00-1050 Chain Hoists (01 22 23 00-0936)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1051	DAY		1 Ton, 20' Lift, Manual Chain Hoist	12.52	
01 22 23 00-1052	WK		1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1053	MO		1 Ton, 20' Lift, Manual Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	96.40 -3.86	
01 22 23 00-1054	DAY		3 Ton, 20' Lift, Manual Chain Hoist	35.06	
01 22 23 00-1055	WK		3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1056	MO		3 Ton, 20' Lift, Manual Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	231.62 -9.26	
01 22 23 00-1057	DAY		5 Ton, 20' Lift, Manual Chain Hoist	45.07	
01 22 23 00-1058	WK		5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1059	MO		5 Ton, 20' Lift, Manual Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	338.04 -13.52	
01 22 23 00-1060	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
01 22 23 00-1061	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1062	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	626.00 -25.04	
01 22 23 00-1063	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
01 22 23 00-1064	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-1065	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	657.30 -26.29	
01 22 23 00-1066	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
01 22 23 00-1067	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1068	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	719.90 -28.80	

01 22 23 00-1069 Roof Swing Hoist (01 22 23 00-0936)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1070	DAY		Up To 400 Lbs, Manual Swing Roof Hoist	100.36	
01 22 23 00-1071	WK		Up To 400 Lbs, Manual Swing Roof Hoist	351.26	
01 22 23 00-1072	MO		Up To 400 Lbs, Manual Swing Roof Hoist <i>For >6 Months (>26 Weeks), Deduct</i>	1,204.32 -48.17	

01 22 23 00-1073 Truck Mounted Digger Derrick (01 22 23 00-0936)

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1074	DAY		Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	1,605.37	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-1075	WK		Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	6,798.15	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-1076	MO		Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	26,386.91	
			<i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	-21,472.10 -196.59	
01 22 23 00-1077	DAY		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	1,731.65	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-1078	WK		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	7,176.98	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	
01 22 23 00-1079	MO		Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	27,397.11	
			<i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks), Deduct</i>	-21,472.10 -237.00	
01 22 23 00-1080	DAY		Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	2,511.95	
			<i>For Equipment Without Operator, Deduct</i>	-991.02	
01 22 23 00-1081	WK		Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator <i>Note: Includes lifting boom, grapple arm and auger drill.</i>	9,517.90	
			<i>For Equipment Without Operator, Deduct</i>	-4,955.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1082 MO Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	33,639.56	
Note: Includes lifting boom, grapple arm and auger drill.		
For Equipment Without Operator, Deduct	-21,472.10	
For >6 Months (>26 Weeks) , Deduct	-486.70	
01 22 23 00-1083 Pumping Equipment (01 22 23)		
01 22 23 00-1084 Gas Powered Portable Centrifugal Pumps (01 22 23 00-1083)		
Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1108 for larger diameter pumps.		
01 22 23 00-1085 DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	72.53	
01 22 23 00-1086 WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	163.20	
01 22 23 00-1087 MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	435.19	
For >6 Months (>26 Weeks) , Deduct	-17.41	
01 22 23 00-1088 DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	87.04	
01 22 23 00-1089 WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	195.84	
01 22 23 00-1090 MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	522.23	
For >6 Months (>26 Weeks) , Deduct	-20.89	
01 22 23 00-1091 Gas Powered Portable Diaphragm Pumps (01 22 23 00-1083)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1092 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	83.41	
01 22 23 00-1093 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	235.73	
01 22 23 00-1094 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	598.39	
For >6 Months (>26 Weeks) , Deduct	-23.94	
01 22 23 00-1095 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	101.54	
01 22 23 00-1096 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	272.00	
01 22 23 00-1097 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	770.65	
For >6 Months (>26 Weeks) , Deduct	-30.83	
01 22 23 00-1098 Gas Powered Portable Trash Pumps (01 22 23 00-1083)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1099 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	105.17	
01 22 23 00-1100 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	217.60	
01 22 23 00-1101 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	652.79	
For >6 Months (>26 Weeks) , Deduct	-26.11	
01 22 23 00-1102 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	105.17	
01 22 23 00-1103 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	281.06	
01 22 23 00-1104 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	770.65	
For >6 Months (>26 Weeks) , Deduct	-30.83	
01 22 23 00-1105 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	166.82	
01 22 23 00-1106 WK 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	471.46	
01 22 23 00-1107 MO 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,369.04	
For >6 Months (>26 Weeks) , Deduct	-54.76	
01 22 23 00-1108 Diesel Powered Portable Trash Pumps (01 22 23 00-1083)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1109 DAY 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	326.39	
01 22 23 00-1110 WK 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	888.52	
01 22 23 00-1111 MO 63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,871.40	
For >6 Months (>26 Weeks) , Deduct	-154.86	
01 22 23 00-1112 DAY 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	498.66	
01 22 23 00-1113 WK 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,305.58	
01 22 23 00-1114 MO 156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,472.47	
For >6 Months (>26 Weeks) , Deduct	-138.90	
01 22 23 00-1115 DAY 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	678.17	
01 22 23 00-1116 WK 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,815.11	
01 22 23 00-1117 MO 246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,856.02	
For >6 Months (>26 Weeks) , Deduct	-194.24	
01 22 23 00-1118 DAY 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	877.64	
01 22 23 00-1119 WK 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,241.24	
01 22 23 00-1120 MO 379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	6,582.28	
For >6 Months (>26 Weeks) , Deduct	-263.29	
01 22 23 00-1121 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1083)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1122 DAY 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	466.02	
01 22 23 00-1123 WK 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,060.78	
01 22 23 00-1124 MO 90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,307.46	
For >6 Months (>26 Weeks) , Deduct	-132.30	
01 22 23 00-1125 DAY 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	571.19	
01 22 23 00-1126 WK 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,423.44	
01 22 23 00-1127 MO 136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,871.40	
For >6 Months (>26 Weeks) , Deduct	-154.86	
01 22 23 00-1128 DAY 246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	689.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1129	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,038.15	
01 22 23 00-1130	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	5,684.70	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-227.39	
01 22 23 00-1131	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,037.21	
01 22 23 00-1132	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,649.23	
01 22 23 00-1133	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	7,779.06	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-311.16	
01 22 23 00-1134			3 Phase Electric Submersible Pumps <small>(01 22 23 00-1083)</small>		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1135	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	181.33	
01 22 23 00-1136	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	453.32	
01 22 23 00-1137	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,359.98	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-54.40	
01 22 23 00-1138	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	239.36	
01 22 23 00-1139	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	598.39	
01 22 23 00-1140	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,795.17	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-71.81	
01 22 23 00-1141			Suction Hose With Couplings <small>(01 22 23 00-1083)</small>		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-1142	DAY		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	5.76	
01 22 23 00-1143	WK		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	14.40	
01 22 23 00-1144	MO		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	44.16	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.77	
01 22 23 00-1145	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings	15.36	
01 22 23 00-1146	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings	39.36	
01 22 23 00-1147	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings	120.00	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-4.80	
01 22 23 00-1148	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings	23.04	
01 22 23 00-1149	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings	58.56	
01 22 23 00-1150	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings	177.60	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-7.10	
01 22 23 00-1151	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings	28.80	
01 22 23 00-1152	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings	72.00	
01 22 23 00-1153	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings	211.20	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-8.45	
01 22 23 00-1154	DAY		10" Inside Diameter, 20' Length, Suction Hose With Couplings	67.20	
01 22 23 00-1155	WK		10" Inside Diameter, 20' Length, Suction Hose With Couplings	172.80	
01 22 23 00-1156	MO		10" Inside Diameter, 20' Length, Suction Hose With Couplings	508.80	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-20.35	
01 22 23 00-1157	DAY		12" Inside Diameter, 20' Length, Suction Hose With Couplings	90.24	
01 22 23 00-1158	WK		12" Inside Diameter, 20' Length, Suction Hose With Couplings	196.80	
01 22 23 00-1159	MO		12" Inside Diameter, 20' Length, Suction Hose With Couplings	590.40	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-23.62	
01 22 23 00-1160			Discharge Hose With Couplings <small>(01 22 23 00-1083)</small>		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-1161	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.76	
01 22 23 00-1162	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.40	
01 22 23 00-1163	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	44.16	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.77	
01 22 23 00-1164	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.72	
01 22 23 00-1165	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.32	
01 22 23 00-1166	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings	50.88	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-2.04	
01 22 23 00-1167	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.68	
01 22 23 00-1168	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	19.20	
01 22 23 00-1169	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings	58.56	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-2.34	
01 22 23 00-1170	DAY		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.16	
01 22 23 00-1171	WK		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	51.84	
01 22 23 00-1172	MO		4" Inside Diameter, 50' Length, Discharge Hose With Couplings	148.80	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.95	
01 22 23 00-1173	DAY		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	24.96	
01 22 23 00-1174	WK		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	68.16	
01 22 23 00-1175	MO		6" Inside Diameter, 50' Length, Discharge Hose With Couplings	187.20	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-7.49	
01 22 23 00-1176	DAY		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	19.20	
01 22 23 00-1177	WK		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	48.00	
01 22 23 00-1178	MO		10" Inside Diameter, 10' Length, Discharge Hose With Couplings	144.00	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.76	
01 22 23 00-1179	DAY		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	48.96	
01 22 23 00-1180	WK		12" Inside Diameter, 10' Length, Discharge Hose With Couplings	124.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1181	MO			12" Inside Diameter, 10' Length, Discharge Hose With Couplings <i>For >6 Months (>26 Weeks) , Deduct</i>	369.60 -14.76	
01 22 23 00-1182				Hydraulic Submersible Pumps (01 22 23 00-1083) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1183				Hydraulic Submersible Pumps (01 22 23 00-1182) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1184	DAY			60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	119.68	
01 22 23 00-1185	WK			60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	320.95	
01 22 23 00-1186	MO			60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump..... <i>For >6 Months (>26 Weeks) , Deduct</i>	897.58 -35.90	
01 22 23 00-1187	DAY			132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	152.32	
01 22 23 00-1188	WK			132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	391.67	
01 22 23 00-1189	MO			132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump..... <i>For >6 Months (>26 Weeks) , Deduct</i>	1,196.78 -47.87	
01 22 23 00-1190				Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1182) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1191	DAY			100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	276.53	
01 22 23 00-1192	WK			100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	825.05	
01 22 23 00-1193	MO			100 HP, Hydraulic Submersible Pump Diesel Power Pack..... <i>For >6 Months (>26 Weeks) , Deduct</i>	2,175.96 -87.04	
01 22 23 00-1194				HDPE Pipe With Couplings (01 22 23 00-1083) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1195	DAY			4" x 50' HDPE Pipe With Couplings.....	12.10	
01 22 23 00-1196	WK			4" x 50' HDPE Pipe With Couplings.....	29.03	
01 22 23 00-1197	MO			4" x 50' HDPE Pipe With Couplings..... <i>For >6 Months (>26 Weeks) , Deduct</i>	89.52 -3.58	
01 22 23 00-1198	DAY			6" x 50' HDPE Pipe With Couplings.....	19.36	
01 22 23 00-1199	WK			6" x 50' HDPE Pipe With Couplings.....	48.39	
01 22 23 00-1200	MO			6" x 50' HDPE Pipe With Couplings..... <i>For >6 Months (>26 Weeks) , Deduct</i>	147.58 -5.90	
01 22 23 00-1201	DAY			8" x 50' HDPE Pipe With Couplings.....	31.45	
01 22 23 00-1202	WK			8" x 50' HDPE Pipe With Couplings.....	82.26	
01 22 23 00-1203	MO			8" x 50' HDPE Pipe With Couplings..... <i>For >6 Months (>26 Weeks) , Deduct</i>	244.36 -9.77	
01 22 23 00-1204	DAY			10" x 50' HDPE Pipe With Couplings.....	38.71	
01 22 23 00-1205	WK			10" x 50' HDPE Pipe With Couplings.....	99.20	
01 22 23 00-1206	MO			10" x 50' HDPE Pipe With Couplings..... <i>For >6 Months (>26 Weeks) , Deduct</i>	302.42 -12.10	
01 22 23 00-1207	DAY			12" x 20' HDPE Pipe With Couplings.....	29.03	
01 22 23 00-1208	WK			12" x 20' HDPE Pipe With Couplings.....	79.84	
01 22 23 00-1209	MO			12" x 20' HDPE Pipe With Couplings..... <i>For >6 Months (>26 Weeks) , Deduct</i>	241.94 -9.68	
01 22 23 00-1210	DAY			4" Elbow For HDPE Pipe, Quick Connect.....	29.03	
01 22 23 00-1211	WK			4" Elbow For HDPE Pipe, Quick Connect.....	75.00	
01 22 23 00-1212	MO			4" Elbow For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	222.58 -8.90	
01 22 23 00-1213	DAY			6" Elbow For HDPE Pipe, Quick Connect.....	33.87	
01 22 23 00-1214	WK			6" Elbow For HDPE Pipe, Quick Connect.....	87.10	
01 22 23 00-1215	MO			6" Elbow For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	266.13 -10.65	
01 22 23 00-1216	DAY			8" Elbow For HDPE Pipe, Quick Connect.....	38.71	
01 22 23 00-1217	WK			8" Elbow For HDPE Pipe, Quick Connect.....	99.20	
01 22 23 00-1218	MO			8" Elbow For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	302.42 -12.10	
01 22 23 00-1219	DAY			10" Elbow For HDPE Pipe, Quick Connect.....	48.39	
01 22 23 00-1220	WK			10" Elbow For HDPE Pipe, Quick Connect.....	123.39	
01 22 23 00-1221	MO			10" Elbow For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	375.01 -15.00	
01 22 23 00-1222	DAY			12" Elbow For HDPE Pipe, Quick Connect.....	48.39	
01 22 23 00-1223	WK			12" Elbow For HDPE Pipe, Quick Connect.....	123.39	
01 22 23 00-1224	MO			12" Elbow For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	375.01 -15.00	
01 22 23 00-1225	DAY			4" Tee For HDPE Pipe, Quick Connect.....	29.03	
01 22 23 00-1226	WK			4" Tee For HDPE Pipe, Quick Connect.....	75.00	
01 22 23 00-1227	MO			4" Tee For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	222.58 -8.90	
01 22 23 00-1228	DAY			6" Tee For HDPE Pipe, Quick Connect.....	38.71	
01 22 23 00-1229	WK			6" Tee For HDPE Pipe, Quick Connect.....	99.20	
01 22 23 00-1230	MO			6" Tee For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	302.42 -12.10	
01 22 23 00-1231	DAY			8" Tee For HDPE Pipe, Quick Connect.....	48.39	
01 22 23 00-1232	WK			8" Tee For HDPE Pipe, Quick Connect.....	123.39	
01 22 23 00-1233	MO			8" Tee For HDPE Pipe, Quick Connect..... <i>For >6 Months (>26 Weeks) , Deduct</i>	375.01 -15.00	
01 22 23 00-1234	DAY			10" Tee For HDPE Pipe, Quick Connect.....	58.07	
01 22 23 00-1235	WK			10" Tee For HDPE Pipe, Quick Connect.....	147.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1236	MO		10" Tee For HDPE Pipe, Quick Connect	447.59	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-17.90	
01 22 23 00-1237	DAY		12" Tee For HDPE Pipe, Quick Connect	58.07	
01 22 23 00-1238	WK		12" Tee For HDPE Pipe, Quick Connect	147.58	
01 22 23 00-1239	MO		12" Tee For HDPE Pipe, Quick Connect	447.59	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-17.90	
01 22 23 00-1240	DAY		4" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1241	WK		4" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1242	MO		4" Cap For HDPE Pipe, Quick Connect	43.55	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.74	
01 22 23 00-1243	DAY		6" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1244	WK		6" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1245	MO		6" Cap For HDPE Pipe, Quick Connect	43.55	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.74	
01 22 23 00-1246	DAY		8" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1247	WK		8" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1248	MO		8" Cap For HDPE Pipe, Quick Connect	43.55	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.74	
01 22 23 00-1249	DAY		10" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1250	WK		10" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1251	MO		10" Cap For HDPE Pipe, Quick Connect	43.55	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.74	
01 22 23 00-1252	DAY		12" Cap For HDPE Pipe, Quick Connect	4.84	
01 22 23 00-1253	WK		12" Cap For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1254	MO		12" Cap For HDPE Pipe, Quick Connect	43.55	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-1.74	
01 22 23 00-1255	DAY		4" Wye For HDPE Pipe, Quick Connect	14.52	
01 22 23 00-1256	WK		4" Wye For HDPE Pipe, Quick Connect	36.29	
01 22 23 00-1257	MO		4" Wye For HDPE Pipe, Quick Connect	111.29	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-4.45	
01 22 23 00-1258	DAY		6" Wye For HDPE Pipe, Quick Connect	16.94	
01 22 23 00-1259	WK		6" Wye For HDPE Pipe, Quick Connect	43.55	
01 22 23 00-1260	MO		6" Wye For HDPE Pipe, Quick Connect	133.07	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-5.32	
01 22 23 00-1261	DAY		8" Wye For HDPE Pipe, Quick Connect	29.03	
01 22 23 00-1262	WK		8" Wye For HDPE Pipe, Quick Connect	75.00	
01 22 23 00-1263	MO		8" Wye For HDPE Pipe, Quick Connect	222.58	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-8.90	
01 22 23 00-1264	DAY		10" Wye For HDPE Pipe, Quick Connect	43.55	
01 22 23 00-1265	WK		10" Wye For HDPE Pipe, Quick Connect	111.29	
01 22 23 00-1266	MO		10" Wye For HDPE Pipe, Quick Connect	338.72	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-13.55	
01 22 23 00-1267	DAY		12" Wye For HDPE Pipe, Quick Connect	43.55	
01 22 23 00-1268	WK		12" Wye For HDPE Pipe, Quick Connect	111.29	
01 22 23 00-1269	MO		12" Wye For HDPE Pipe, Quick Connect	338.72	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-13.55	
01 22 23 00-1270			Temporary Building Services (01 22 23)		
01 22 23 00-1271			Air Handling Unit (AHU) (01 22 23 00-1270) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1272			Air Handling Unit (AHU) (01 22 23 00-1271)		
01 22 23 00-1273	MO		5,000 CFM Air Handling Unit Rental	2,943.52	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-117.74	
01 22 23 00-1274	MO		10,000 CFM Air Handling Unit Rental	3,043.68	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-121.75	
01 22 23 00-1275	MO		25,000 CFM Air Handling Unit Rental	5,001.77	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-200.07	
01 22 23 00-1276			Air Handling Unit Setup (01 22 23 00-1271)		
01 22 23 00-1277	EA		Setup Rental Air Handling Unit	1,039.07	
			Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1278	MO		12" x 100' Flex Duct For AHU Rental	288.06	
			Note: Includes four (4) 25' sections.		
01 22 23 00-1279	MO		20" x 100' Flex Duct For AHU Rental	348.31	
			Note: Includes four (4) 25' sections.		
01 22 23 00-1280			Boilers (01 22 23 00-1270) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1281			Electric Boilers (01 22 23 00-1280)		
01 22 23 00-1282	MO		40 MBH, 12 KW Electric Boiler Rental	2,596.99	
01 22 23 00-1283	MO		60 MBH, 20 KW Electric Boiler Rental	2,833.12	
01 22 23 00-1284	MO		95 MBH, 30 KW Electric Boiler Rental	2,951.18	
01 22 23 00-1285	MO		135 MBH, 40 KW Electric Boiler Rental	3,305.26	
01 22 23 00-1286	MO		165 MBH, 50 KW Electric Boiler Rental	4,603.76	
01 22 23 00-1287	MO		215 MBH, 60 KW Electric Boiler Rental	5,312.05	
01 22 23 00-1288	MO		365 MBH, 100 KW Electric Boiler Rental	6,964.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1289 MO 510 MBH, 150 KW Electric Boiler Rental.....	8,499.35	
01 22 23 00-1290 Oil/Gas Fired Boilers (01 22 23 00-1280)		
01 22 23 00-1291 MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental.....	2,479.00	
01 22 23 00-1292 MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental.....	3,222.70	
01 22 23 00-1293 MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental.....	5,205.90	
01 22 23 00-1294 MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental.....	7,189.10	
01 22 23 00-1295 Oil Fired Boilers (01 22 23 00-1280)		
01 22 23 00-1296 MO 250 HP Oil Fired Boiler Rental.....	7,293.67	
01 22 23 00-1297 MO 350 HP Oil Fired Boiler Rental.....	9,724.90	
01 22 23 00-1298 MO 500 HP Oil Fired Boiler Rental.....	12,156.12	
01 22 23 00-1299 MO 600 HP Oil Fired Boiler Rental.....	13,371.73	
01 22 23 00-1300 Boilers Setup (01 22 23 00-1280)		
01 22 23 00-1301 EA Setup Rental Boiler.....	7,774.26	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1302 Chillers (01 22 23 00-1270)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1303 Air Cooled Chillers (01 22 23 00-1302)		
01 22 23 00-1304 MO 25 Ton Air Cooled Chiller Rental.....	2,494.67	
For >3 To 6 Month Rental, Deduct		
	-374.20	
For >6 Month Rental, Deduct		
	-623.67	
01 22 23 00-1305 MO 40 Ton Air Cooled Chiller Rental.....	3,991.48	
For >3 To 6 Month Rental, Deduct		
	-598.72	
For >6 Month Rental, Deduct		
	-997.87	
01 22 23 00-1306 MO 60 Ton Air Cooled Chiller Rental.....	4,882.03	
For >3 To 6 Month Rental, Deduct		
	-732.30	
For >6 Month Rental, Deduct		
	-1,220.51	
01 22 23 00-1307 MO 80 Ton Air Cooled Chiller Rental.....	5,772.58	
For >3 To 6 Month Rental, Deduct		
	-865.89	
For >6 Month Rental, Deduct		
	-1,443.15	
01 22 23 00-1308 MO 100 Ton Air Cooled Chiller Rental.....	6,663.13	
For >3 To 6 Month Rental, Deduct		
	-999.47	
For >6 Month Rental, Deduct		
	-1,665.78	
01 22 23 00-1309 MO 125 Ton Air Cooled Chiller Rental.....	7,719.37	
For >3 To 6 Month Rental, Deduct		
	-1,157.91	
For >6 Month Rental, Deduct		
	-1,929.84	
01 22 23 00-1310 MO 155 Ton Air Cooled Chiller Rental.....	9,338.54	
For >3 To 6 Month Rental, Deduct		
	-1,400.78	
For >6 Month Rental, Deduct		
	-2,334.64	
01 22 23 00-1311 MO 170 Ton Air Cooled Chiller Rental.....	9,986.22	
For >3 To 6 Month Rental, Deduct		
	-1,497.93	
For >6 Month Rental, Deduct		
	-2,496.56	
01 22 23 00-1312 MO 200 Ton Air Cooled Chiller Rental.....	11,471.73	
For >3 To 6 Month Rental, Deduct		
	-1,720.76	
For >6 Month Rental, Deduct		
	-2,867.93	
01 22 23 00-1313 MO 250 Ton Air Cooled Chiller Rental.....	13,650.10	
For >3 To 6 Month Rental, Deduct		
	-2,047.52	
For >6 Month Rental, Deduct		
	-3,412.53	
01 22 23 00-1314 MO 300 Ton Air Cooled Chiller Rental.....	15,928.25	
Note: Includes trailer.		
For >3 To 6 Month Rental, Deduct		
	-2,389.24	
For >6 Month Rental, Deduct		
	-3,982.06	
01 22 23 00-1315 MO 400 Ton Air Cooled Chiller Rental.....	21,011.74	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct		
	-3,151.76	
For >6 Month Rental, Deduct		
	-5,252.94	
01 22 23 00-1316 MO 500 Ton Air Cooled Chiller Rental.....	26,008.61	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct		
	-3,901.29	
For >6 Month Rental, Deduct		
	-6,502.15	
01 22 23 00-1317 EA Setup Air Cooled Chiller Rental Unit.....	5,404.06	
Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
01 22 23 00-1318 Chiller Rental Accessories (01 22 23 00-1302)		
01 22 23 00-1319 MO 4" x 25' Flexible Water Hose For Chiller Rental.....	44.45	
01 22 23 00-1320 MO 6" x 25' Flexible Water Hose For Chiller Rental.....	55.56	
01 22 23 00-1321 Cooling Tower (01 22 23 00-1270)		
Note: Excludes operator, delivery, set-up, and removal.		

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1322	MO		100 Ton Cooling Tower Rental	2,289.28	
			<i>For >3 To 6 Months Rental, Deduct</i>	-343.39	
			<i>For >6 Months Rental, Deduct</i>	-572.32	
01 22 23 00-1323	MO		200 Ton Cooling Tower Rental	4,167.38	
			<i>For >3 To 6 Months Rental, Deduct</i>	-625.11	
			<i>For >6 Months Rental, Deduct</i>	-1,041.85	
01 22 23 00-1324	MO		250 Ton Cooling Tower Rental	4,719.36	
			<i>For >3 To 6 Months Rental, Deduct</i>	-707.90	
			<i>For >6 Months Rental, Deduct</i>	-1,179.84	
01 22 23 00-1325	MO		300 Ton Cooling Tower Rental	5,334.24	
			<i>For >3 To 6 Months Rental, Deduct</i>	-800.14	
			<i>For >6 Months Rental, Deduct</i>	-1,333.56	
01 22 23 00-1326	MO		400 Ton Cooling Tower Rental	6,667.80	
			<i>For >3 To 6 Months Rental, Deduct</i>	-1,000.17	
			<i>For >6 Months Rental, Deduct</i>	-1,666.95	
01 22 23 00-1327	MO		500 Ton Cooling Tower Rental	7,795.80	
			<i>For >3 To 6 Months Rental, Deduct</i>	-1,169.37	
			<i>For >6 Months Rental, Deduct</i>	-1,948.95	
01 22 23 00-1328	MO		Setup Rental Cooling Tower	5,404.06	
			Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		

01 22 23 00-1329 Emergency Cooler/Freezer (01 22 23 00-1270)

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-1330	DAY		8 x 6 x 7 Emergency Cooler Rental	142.47	
01 22 23 00-1331	WK		8 x 6 x 7 Emergency Cooler Rental	759.84	
01 22 23 00-1332	DAY		10 x 7 x 7 Emergency Cooler Rental	284.94	
01 22 23 00-1333	WK		10 x 7 x 7 Emergency Cooler Rental	1,139.76	
01 22 23 00-1334	MO		10 x 7 x 7 Emergency Cooler Rental	2,849.40	
01 22 23 00-1335	DAY		10 x 7 x 7 Emergency Freezer Rental	332.43	
01 22 23 00-1336	WK		10 x 7 x 7 Emergency Freezer Rental	1,329.72	
01 22 23 00-1337	MO		10 x 7 x 7 Emergency Freezer Rental	3,419.28	
01 22 23 00-1338	DAY		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	379.92	
01 22 23 00-1339	WK		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,519.68	
01 22 23 00-1340	MO		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,799.20	

01 22 23 00-1341 Portable Spot Cooling Units (01 22 23 00-1270)

Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.

01 22 23 00-1342	DAY		1 Ton Portable Spot Cooling Unit	202.07	
01 22 23 00-1343	WK		1 Ton Portable Spot Cooling Unit	437.81	
01 22 23 00-1344	MO		1 Ton Portable Spot Cooling Unit	1,034.94	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-41.40	
01 22 23 00-1345	DAY		1.5 Ton Portable Spot Cooling Unit	264.24	
01 22 23 00-1346	WK		1.5 Ton Portable Spot Cooling Unit	542.73	
01 22 23 00-1347	MO		1.5 Ton Portable Spot Cooling Unit	1,273.28	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-50.93	
01 22 23 00-1348	DAY		2 Ton Portable Spot Cooling Unit	356.21	
01 22 23 00-1349	WK		2 Ton Portable Spot Cooling Unit	744.80	
01 22 23 00-1350	MO		2 Ton Portable Spot Cooling Unit	1,379.49	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-55.18	
01 22 23 00-1351	DAY		3 Ton Portable Spot Cooling Unit	373.05	
01 22 23 00-1352	WK		3 Ton Portable Spot Cooling Unit	790.13	
01 22 23 00-1353	MO		3 Ton Portable Spot Cooling Unit	1,746.06	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-69.84	
01 22 23 00-1354	DAY		5 Ton Portable Spot Cooling Unit	582.88	
01 22 23 00-1355	WK		5 Ton Portable Spot Cooling Unit	1,178.72	
01 22 23 00-1356	MO		5 Ton Portable Spot Cooling Unit	2,449.41	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-97.98	
01 22 23 00-1357	DAY		10 To 12 Ton Portable Spot Cooling Unit	761.64	
01 22 23 00-1358	WK		10 To 12 Ton Portable Spot Cooling Unit	1,716.27	
01 22 23 00-1359	MO		10 To 12 Ton Portable Spot Cooling Unit	4,142.37	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-165.69	
01 22 23 00-1360	DAY		20 Ton Portable Spot Cooling Unit	874.33	
01 22 23 00-1361	WK		20 Ton Portable Spot Cooling Unit	2,007.72	
01 22 23 00-1362	MO		20 Ton Portable Spot Cooling Unit	5,595.70	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-223.83	
01 22 23 00-1363	DAY		25 Ton Portable Spot Cooling Unit	1,243.49	
01 22 23 00-1364	WK		25 Ton Portable Spot Cooling Unit	2,519.36	
01 22 23 00-1365	MO		25 Ton Portable Spot Cooling Unit	5,861.23	
			<i>For >6 Months (>26 Weeks) , Deduct</i>	-234.45	
01 22 23 00-1366	EA		Setup Rental Of Up To 5 Ton Portable Spot Cooler	257.70	
			Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		
01 22 23 00-1367	EA		Setup Rental Of 10 To 15 Ton Portable Spot Cooler	593.11	
			Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		
01 22 23 00-1368	EA		Setup Rental Of 20 To 25 Ton Portable Spot Cooler	863.14	
			Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1369 Fuel Oil Tank <small>(01 22 23 00-1270)</small>		
Note: Excludes delivery to job site and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0816 for reimbursable fuel fees.		
01 22 23 00-1370 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	392.12	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-15.68	
01 22 23 00-1371 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	609.97	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-24.40	
01 22 23 00-1372 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,524.92	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-61.00	
01 22 23 00-1373 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,541.52	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-101.66	
01 22 23 00-1374 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,354.81	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-134.19	
01 22 23 00-1375 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	5,993.16	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-239.73	
01 22 23 00-1376 Truck And Trailer Equipment <small>(01 22 23)</small>		
01 22 23 00-1377 Trucks <small>(01 22 23 00-1376)</small>		
Note: Includes driver, delivery, and removal.		
01 22 23 00-1378 Flat Bed Trucks <small>(01 22 23 00-1377)</small>		
Note: Includes hydraulic tilt bed.		
01 22 23 00-1379 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	793.01	
<i>For Equipment Without Operator, Deduct</i>		
	-762.97	
01 22 23 00-1380 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,893.63	
<i>For Equipment Without Operator, Deduct</i>		
	-3,814.87	
01 22 23 00-1381 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	16,730.05	
<i>For Equipment Without Operator, Deduct</i>		
	-16,531.11	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-7.96	
01 22 23 00-1382 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	806.01	
<i>For Equipment Without Operator, Deduct</i>		
	-762.97	
01 22 23 00-1383 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,926.93	
<i>For Equipment Without Operator, Deduct</i>		
	-3,814.87	
01 22 23 00-1384 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	16,815.31	
<i>For Equipment Without Operator, Deduct</i>		
	-16,531.11	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-11.37	
01 22 23 00-1385 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	815.33	
<i>For Equipment Without Operator, Deduct</i>		
	-762.97	
01 22 23 00-1386 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,962.56	
<i>For Equipment Without Operator, Deduct</i>		
	-3,814.87	
01 22 23 00-1387 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	16,950.91	
<i>For Equipment Without Operator, Deduct</i>		
	-16,531.11	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-16.79	
01 22 23 00-1388 Boom Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1389 DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	818.92	
<i>For Equipment Without Operator, Deduct</i>		
	-762.97	
<i>For High Rail Equipment, Add</i>		
	19.58	
01 22 23 00-1390 WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	3,960.54	
<i>For Equipment Without Operator, Deduct</i>		
	-3,814.87	
<i>For High Rail Equipment, Add</i>		
	50.98	
01 22 23 00-1391 MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	16,900.57	
<i>For Equipment Without Operator, Deduct</i>		
	-16,531.11	
<i>For High Rail Equipment, Add</i>		
	129.31	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-14.78	
01 22 23 00-1392 Straight/Box Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1393 DAY 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	775.80	
Note: Includes 2,500 LB lift gate.		
<i>For Equipment Without Operator, Deduct</i>		
	-762.97	
01 22 23 00-1394 WK 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	3,879.02	
Note: Includes 2,500 LB lift gate.		
<i>For Equipment Without Operator, Deduct</i>		
	-3,814.87	
01 22 23 00-1395 MO 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver	16,720.47	
Note: Includes 2,500 LB lift gate.		
<i>For Equipment Without Operator, Deduct</i>		
	-16,531.11	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-7.57	
01 22 23 00-1396 Light Off-Road Utility Passenger Vehicles <small>(01 22 23 00-1377)</small>		
01 22 23 00-1397 DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	300.82	
01 22 23 00-1398 WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	695.64	
01 22 23 00-1399 MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,504.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-60.16	
01 22 23 00-1400 DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	310.22	
01 22 23 00-1401 WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	723.84	
01 22 23 00-1402 MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,598.08	
<i>For >6 Months (>26 Weeks) , Deduct</i>		
	-63.92	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1403	Light Duty Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1404	DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	990.70	
	<i>For Equipment Without Operator, Deduct</i>	-755.88	
01 22 23 00-1405	WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	4,549.91	
	<i>For Equipment Without Operator, Deduct</i>	-3,779.42	
01 22 23 00-1406	MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	17,991.83	
	<i>For Equipment Without Operator, Deduct</i>	-16,377.47	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-64.57	
01 22 23 00-1407	DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	1,034.72	
	<i>For Equipment Without Operator, Deduct</i>	-755.88	
01 22 23 00-1408	WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	4,681.99	
	<i>For Equipment Without Operator, Deduct</i>	-3,779.42	
01 22 23 00-1409	MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	18,285.35	
	<i>For Equipment Without Operator, Deduct</i>	-16,377.47	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-76.32	

01 22 23 00-1410	Rear Dump Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1411	DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	1,166.13	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1412	WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	4,879.74	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1413	MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver.....	19,791.47	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-130.41	
01 22 23 00-1414	DAY 4 CY Rear Dump Truck With Full-Time Truck Driver.....	1,299.79	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1415	WK 4 CY Rear Dump Truck With Full-Time Truck Driver.....	5,293.86	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1416	MO 4 CY Rear Dump Truck With Full-Time Truck Driver.....	20,365.53	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-153.38	
01 22 23 00-1417	DAY 6 CY Rear Dump Truck With Full-Time Truck Driver.....	1,376.48	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1418	WK 6 CY Rear Dump Truck With Full-Time Truck Driver.....	5,458.19	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1419	MO 6 CY Rear Dump Truck With Full-Time Truck Driver.....	20,475.09	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-157.76	
01 22 23 00-1420	DAY 13 CY Rear Dump Truck With Full-Time Truck Driver.....	2,285.78	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1421	WK 13 CY Rear Dump Truck With Full-Time Truck Driver.....	7,331.59	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1422	MO 13 CY Rear Dump Truck With Full-Time Truck Driver.....	25,733.73	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-368.10	
01 22 23 00-1423	DAY 18 CY Rear Dump Truck With Full-Time Truck Driver.....	2,438.07	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1424	WK 18 CY Rear Dump Truck With Full-Time Truck Driver.....	7,683.26	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1425	MO 18 CY Rear Dump Truck With Full-Time Truck Driver.....	26,653.99	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-404.92	

01 22 23 00-1426	Under-Bridge Inspection Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1427	DAY 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	4,595.80	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1428	WK 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	20,907.22	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1429	MO 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	77,119.47	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-2,423.53	
01 22 23 00-1430	DAY 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,113.75	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1431	WK 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	21,943.12	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1432	MO 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	81,028.39	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-2,579.89	
01 22 23 00-1433	DAY 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	5,424.52	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1434	WK 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	23,496.97	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	
01 22 23 00-1435	MO 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	84,937.33	
	<i>For Equipment Without Operator, Deduct</i>	-16,531.11	
	<i>For >6 Months (>26 Weeks) , Deduct</i>	-2,736.25	
01 22 23 00-1436	DAY 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	6,771.19	
	<i>For Equipment Without Operator, Deduct</i>	-762.97	
01 22 23 00-1437	WK 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver.....	29,712.37	
	<i>For Equipment Without Operator, Deduct</i>	-3,814.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1438 MO 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	104,481.96 -16,531.11 -3,518.03	
01 22 23 00-1439 Vacuum Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1440 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,274.83 -762.97	
01 22 23 00-1441 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	8,367.98 -3,814.87	
01 22 23 00-1442 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	29,966.94 -16,531.11 -537.43	
01 22 23 00-1443 Water Trucks <small>(01 22 23 00-1377)</small> Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1160 for additional discharge hose, 01 22 23 00-1475 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1444 DAY 2,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,446.39 -762.97 14.51	
01 22 23 00-1445 WK 2,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	5,614.53 -3,814.87 14.51	
01 22 23 00-1446 MO 2,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	20,783.47 -16,531.11 14.51 -170.09	
01 22 23 00-1447 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,780.50 -762.97 14.51	
01 22 23 00-1448 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	6,616.87 -3,814.87 14.51	
01 22 23 00-1449 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	23,365.26 -16,531.11 14.51 -273.37	
01 22 23 00-1450 Asphalt Distribution Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1451 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	902.15 -762.97	
01 22 23 00-1452 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,230.61 -3,814.87	
01 22 23 00-1453 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	17,760.15 -16,531.11 -49.16	
01 22 23 00-1454 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board <small>(01 22 23 00-1377)</small>		
01 22 23 00-1455 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	1,501.29 -755.88	
01 22 23 00-1456 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	5,979.34 -3,779.42	
01 22 23 00-1457 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	21,719.90 -16,377.47 -213.70	
01 22 23 00-1458 Vacuum Sweeper Trucks For Bridge Decks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1459 DAY Vacuum Sweeper Truck, With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,274.83 -762.97	
01 22 23 00-1460 WK Vacuum Sweeper Truck, With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	8,367.98 -3,814.87	
01 22 23 00-1461 MO Vacuum Sweeper Truck, With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i> <i>For >6 Months (>26 Weeks) , Deduct</i>	29,966.94 -16,531.11 -537.43	
01 22 23 00-1462 Combination Jet/Vacuum Trucks <small>(01 22 23 00-1377)</small>		
01 22 23 00-1463 DAY 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,232.56 -762.97	
01 22 23 00-1464 WK 500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	15,375.51 -3,814.87	
01 22 23 00-1465 DAY 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,663.49 -762.97	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1466 WK 1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	17,882.39	-3,814.87
01 22 23 00-1467 DAY 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,077.85	-762.97
01 22 23 00-1468 WK 2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	20,389.27	-3,814.87
01 22 23 00-1469 Truck Mounted Accessories <small>(01 22 23 00-1376)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1470 Truck Mounted Arrow Boards <small>(01 22 23 00-1469)</small>		
01 22 23 00-1471 DAY Truck Mounted Arrow Board	55.92	
01 22 23 00-1472 WK Truck Mounted Arrow Board	222.39	
01 22 23 00-1473 MO Truck Mounted Arrow Board <i>For >6 Months (>26 Weeks) , Deduct</i>	792.98	-31.72
01 22 23 00-1474 Trailers <small>(01 22 23 00-1376)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1475 Water Trailers With Pump <small>(01 22 23 00-1474)</small>		
01 22 23 00-1476 DAY 500 To 600 Gallon Water Trailer With Pump	174.65	
01 22 23 00-1477 WK 500 To 600 Gallon Water Trailer With Pump	448.02	
01 22 23 00-1478 MO 500 To 600 Gallon Water Trailer With Pump <i>For >6 Months (>26 Weeks) , Deduct</i>	1,199.77	-47.99

01 30 Administrative Requirements (01)

01 31 Project Management and Coordination (01 30)

01 31 33 Project Minimum Labor Costs (01 31)

01 31 33 00-0001 Minimum Charge (01 31 33)

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 31 33 00-0002 EA Carpenter Minimum Charge	1,132.64
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0003 EA Carpet, Linoleum Minimum Charge	1,123.02
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0004 EA Cement Mason Minimum Charge	816.18
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0005 EA Drywall Finisher Minimum Charge	1,033.86
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0006 EA Drywall Installer Minimum Charge	1,095.49
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0007 EA Electrician Minimum Charge	1,122.34
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0008 EA Glazier Minimum Charge	993.23
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0009 EA Insulator Minimum Charge	1,000.97
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0010 EA Laborer Minimum Charge	738.86
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0011 EA Landscape Maintenance Worker Minimum Charge	863.86
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0012 EA Ornamental Metal Worker Minimum Charge	1,007.16
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0013 EA Painter, Ordinary Minimum Charge	882.37
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0014 EA Plasterer Minimum Charge	1,019.85
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0015 EA Plumber Minimum Charge	1,174.92
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	
01 31 33 00-0016 EA Roofer, Tile/Slate Minimum Charge	1,166.39
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	



General Requirements	01	10
Administrative Requirements	01 30	
Project Management and Coordination	01 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0017 EA Roofer, Composite Built-Up Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,199.53	
01 31 33 00-0018 EA Sheet Metal Worker Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,185.79	
01 31 33 00-0019 EA Sprinkler Installer Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	926.73	
01 31 33 00-0020 EA Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	951.61	

01 35 Special Procedures (01 30)

01 35 29 Health, Safety, and Emergency Response Procedures (01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response (01 35 29)

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0051 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0029 for container usage.

01 35 29 00-0002 MI Trucking Delivery Of 20' Shipping Container	2.62
01 35 29 00-0003 MI Trucking Delivery Of 40' Shipping Container	5.24

01 35 33 Infection Control Procedures (01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements (01)

01 41 Regulatory Requirements (01 40)

01 41 26 Permit Requirements (01 41)

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References (01 40)

01 42 13 Abbreviations and Acronyms (01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001 NTE Abbreviations And Acronyms	0.00
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Note: For specification publishing. Review specifications for requirements.

01 42 16 Definitions (01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001 NTE Definitions	0.00
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Note: For specification publishing. Review specifications for requirements.

01 42 19 Reference Standards (01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001 NTE Reference Standards	0.00
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Note: For specification publishing. Review specifications for requirements.

01 42 21 Construction Suppliers or Venor List (01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001 NTE Construction Suppliers or Venor List	0.00
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Note: For specification publishing. Review specifications for requirements.

01 45 Quality Control (01 40)

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services (01 45)

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

01 45 23 00-0001 Soils/Aggregate Testing (01 45 23)

01 45 23 00-0002 Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	343.56
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	487.63
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	554.12
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test	443.30
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test	664.95
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,329.47
01 45 23 00-0009 EA Moisture Content, Field Soils Test	49.86
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test	132.99
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	332.37
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test	415.46

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test	101.23	
01 45 23 00-0014 EA Percolation Test, Field Soils Test	253.08	
01 45 23 00-0015 EA Infiltration Test, Field Soils Test	506.16	
01 45 23 00-0016 Aggregate Testing <small>(01 45 23 00-0001)</small>		
01 45 23 00-0017 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	110.82	
01 45 23 00-0018 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	199.48	
01 45 23 00-0019 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	277.06	
01 45 23 00-0020 EA Sieve Analysis, Pit Run, ASTM C136	164.50	
Note: Includes wash.		
01 45 23 00-0021 EA Specific Special Gravity, Course, ASTM C127	176.08	
Note: Includes absorption test.		
01 45 23 00-0022 EA Special Gravity, Fine, ASTM C127	157.87	
Note: Includes absorption test.		
01 45 23 00-0023 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	234.78	
01 45 23 00-0024 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	221.65	
01 45 23 00-0025 EA Aggregate Cleanliness Value, ASTM C-128, CA 227	221.65	
01 45 23 00-0026 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	166.24	
01 45 23 00-0027 EA Fine Aggregate Durability Index, CA 229	177.32	
01 45 23 00-0028 EA Sodium And Magnesium Soundness, ASTM C88	465.31	
01 45 23 00-0029 EA Los Angeles Rattler, ASTM C-131, CA 211	354.64	
01 45 23 00-0030 EA Los Angeles Rattler, ASTM C-535	354.64	
01 45 23 00-0031 EA Unit Weight Of Aggregates, ASTM C29	99.74	
01 45 23 00-0032 EA Organic Impurities In Sand, ASTM C40	99.71	
01 45 23 00-0033 EA Crushed Particle, ASTM California Test Method	99.71	
01 45 23 00-0034 EA Clay Lump And Friable Particles, ASTM C142	199.42	
01 45 23 00-0035 Permeability Tests <small>(01 45 23 00-0001)</small>		
01 45 23 00-0036 In-Place Tests <small>(01 45 23 00-0035)</small>		
01 45 23 00-0037 EA Double Ring Infiltrometer Test, ASTM D3385	1,760.85	
01 45 23 00-0038 EA Unconfined Compressive Strength (Pocket Penetrometer) Test	83.09	
01 45 23 00-0039 Lab Tests <small>(01 45 23 00-0035)</small>		
01 45 23 00-0040 EA Falling Head Rigid Wall Consolidometer Technique CAE	821.73	
01 45 23 00-0041 EA Falling Head Permeability Test EPA-9100	821.73	
01 45 23 00-0042 EA Constant Head Permeability Test For Granular Soils, ASTM D2432	469.56	
01 45 23 00-0043 Concrete/Cement/Asphalt Testing <small>(01 45 23)</small>		
01 45 23 00-0044 Concrete Testing <small>(01 45 23 00-0043)</small>		
01 45 23 00-0045 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	25.37	
01 45 23 00-0046 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	70.43	
01 45 23 00-0047 EA Concrete Cores Compression Test, ASTM C-42	144.07	
01 45 23 00-0048 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78	210.57	
01 45 23 00-0049 EA Unit Weight Of Concrete Cylinder, ASTM C-567	77.58	
01 45 23 00-0050 EA Concrete Mix Design Review	421.14	
01 45 23 00-0051 EA Trial Concrete Batch Prepared In Laboratory	997.42	
01 45 23 00-0052 EA Concrete Shrinkage, ASTM C-157 Modified	775.78	
01 45 23 00-0053 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	119.69	
01 45 23 00-0054 EA Concrete Slump Test, ASTM C143	55.41	
01 45 23 00-0055 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	55.41	
01 45 23 00-0056 Cement Testing <small>(01 45 23 00-0043)</small>		
01 45 23 00-0057 EA Cement Grab Sample (CCR Title 24)	55.41	
Note: Includes sealing and storing 1 year.		
01 45 23 00-0058 EA 2" x 2" x 2" Cube Compression Test, All Type Materials	88.66	
01 45 23 00-0059 Asphaltic Concrete Testing <small>(01 45 23 00-0043)</small>		
01 45 23 00-0060 EA Hveem Asphaltic Concrete Stability Test, CA 366	110.82	
01 45 23 00-0061 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	288.14	
01 45 23 00-0062 EA Stability Tests, Premixed, ASTM D1559	110.82	
01 45 23 00-0063 EA Stability Tests, Lab. Mixed, ASTM D1559	288.14	
01 45 23 00-0064 EA Swell Test, CA 305	132.99	
Note: Includes compaction.		
01 45 23 00-0065 EA % Asphalt Extraction Test, ASTM D-2172 B	332.48	
01 45 23 00-0066 EA Maximum Theoretical Unit Weight, ASTM C2041	211.30	
01 45 23 00-0067 EA Unit Weight Sample Requiring Compaction, California Test Method 308	44.33	
01 45 23 00-0068 EA Asphalt Unit Weight On Core Test, CA 308C	44.33	
01 45 23 00-0069 HR Nuclear Field Density Testing, 4 Hour Minimum	228.30	
01 45 23 00-0070 EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	113.89	
01 45 23 00-0071 EA Penetration, ASTM D5	160.10	
01 45 23 00-0072 Masonry/Concrete Block/Tile Testing <small>(01 45 23)</small>		



General Requirements		01
Quality Requirements		01 40
Quality Control		01 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0073	Masonry Testing <small>(01 45 23 00-0072)</small>	
01 45 23 00-0074	EA 2" x 4" Cylinder Mortar Compression Test.....	73.14
01 45 23 00-0075	EA 4" x 4" x 8" Grout Prisms Compression Test.....	73.14
01 45 23 00-0076	EA Masonry Cores Compression Test.....	144.07
01 45 23 00-0077	EA Composite Grouted Prism Compression Test.....	277.06

01 45 23 00-0078	Concrete Block Testing (ASTM C140 Or CMA Per Specimen) <small>(01 45 23 00-0072)</small>	
01 45 23 00-0079	EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	177.32
01 45 23 00-0080	EA Absorption Test, Moisture Content And Unit Weight.....	121.91
01 45 23 00-0081	EA First Unit, Moisture Condition By Relative Humidity, ASTM C427.....	465.31
01 45 23 00-0082	EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	232.66

01 45 23 00-0083	Metals Testing <small>(01 45 23)</small>	
01 45 23 00-0084	Tank Line Tightness Testing <small>(01 45 23 00-0083)</small>	
01 45 23 00-0085	EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing.....	469.95
01 45 23 00-0086	EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	521.83
01 45 23 00-0087	EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	573.53

01 45 23 00-0088	Other Testing <small>(01 45 23)</small>	
01 45 23 00-0089	Special Testing <small>(01 45 23 00-0088)</small>	
01 45 23 00-0090	EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	166.18
01 45 23 00-0091	EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617.....	997.10
01 45 23 00-0092	EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	51.80
01 45 23 00-0093	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	214.85
01 45 23 00-0094	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	214.85
01 45 23 00-0095	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	214.85
01 45 23 00-0096	EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample.....	1,181.68
01 45 23 00-0097	EA Testing And Certification Of Backflow Valves.....	569.69

01 45 23 00-0098	Non-destructive Field Testing Services <small>(01 45 23 00-0088)</small>	
01 45 23 00-0099	Infrared Thermography <small>(01 45 23 00-0098)</small>	
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		

01 45 23 00-0100	Roof Investigation And Moisture Survey Using Infrared Thermography <small>(01 45 23 00-0099)</small>	
Note: For on the roof surveys.		
01 45 23 00-0101	EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	3,867.30
01 45 23 00-0102	CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	6.45
	<i>For CADD Drawings, Add</i>	1.29
01 45 23 00-0103	CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	4.30
	<i>For CADD Drawings, Add</i>	0.86
01 45 23 00-0104	CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.22
	<i>For CADD Drawings, Add</i>	0.64
	<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.81
	<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.81
01 45 23 00-0105	CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.15
	<i>For CADD Drawings, Add</i>	0.43
	<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.54
	<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.54

01 45 23 00-0106	Building Moisture Investigation Using Infrared Thermography <small>(01 45 23 00-0099)</small>	
Note: For finding moisture in walls and windows.		
01 45 23 00-0107	EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	2,041.08
01 45 23 00-0108	CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography.....	6.45
	<i>For Digital Or Analog Recording Of All Items, Add</i>	3.23
01 45 23 00-0109	CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	4.30
	<i>For Digital Or Analog Recording Of All Items, Add</i>	2.15
01 45 23 00-0110	CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	2.15
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.08

01 45 23 00-0111	General Building Investigation Using Infrared Thermography <small>(01 45 23 00-0099)</small>	
Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0112	EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	4,189.58
01 45 23 00-0113	CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography.....	6.45
	<i>For Digital Or Analog Recording Of All Items, Add</i>	3.23
01 45 23 00-0114	CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	4.30
	<i>For Digital Or Analog Recording Of All Items, Add</i>	2.15
01 45 23 00-0115	CSF >5,000 SF, General Building Investigation Using Infrared Thermography.....	2.15
	<i>For Digital Or Analog Recording Of All Items, Add</i>	1.08

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0116	Electrical /Mechanical Equipment Scanning Using Infrared Thermography ^(01 45 23 00-0099) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.	
01 45 23 00-0117	EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,041.08
01 45 23 00-0118	HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	217.96 32.59

01 45 23 00-0119	Concrete Block Wall Investigation Using Infrared Thermography ^(01 45 23 00-0099) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.	
01 45 23 00-0120	EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,041.08
01 45 23 00-0121	CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	6.45 0.97
01 45 23 00-0122	CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.30
	<i>For Digital Or Analog Recording Of All Items, Add</i>	0.65

01 45 23 00-0123	Other Non-destructive Field Testing Services ^(01 45 23 00-0098)	
01 45 23 00-0124	HR ASNT Certified Level I NDT Consultant	90.22
01 45 23 00-0125	HR ASNT Certified Level II NDT Consultant	112.58
01 45 23 00-0126	HR ASNT Certified Level III NDT Consultant	129.25
01 45 23 00-0127	HR Certified Industrial Radiography Radiation Safety Personnel	111.95

01 45 23 00-0128	Testing Professional Services ^(01 45 23 00-0088)	
01 45 23 00-0129	HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	206.13
01 45 23 00-0130	HR Laboratory Technician	199.48
01 45 23 00-0131	HR Portable Digital Reinforcement Scanner	288.14
01 45 23 00-0132	HR Subsurface Detection Radar System	487.63
01 45 23 00-0133	HR Pavement Rehabilitation Analysis Using Deflectors	554.12

01 45 29	Testing Laboratory Services ^(01 45) Note: For application to existing materials/site conditions or additional testing over specifications stated tests.	
01 45 29 00-0001	Soil Borings Laboratory Tests ^(01 45 29) See CSI section 02 32 13 00-0000 for soil borings.	
01 45 29 00-0002	EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	152.61
01 45 29 00-0003	EA Shrinkage Limit, Soil Borings Laboratory Test	48.69
01 45 29 00-0004	EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	117.39
01 45 29 00-0005	EA Consolidation, Soil Borings Laboratory Test	821.73
01 45 29 00-0006	EA Swell Test, Soil Borings Laboratory Test	128.83
01 45 29 00-0007	EA In Place Density, Soil Borings Laboratory Test.....	35.22
01 45 29 00-0008	EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test	21.88
01 45 29 00-0009	EA Hydrometer Analysis, Soil Borings Laboratory Test.....	282.46
01 45 29 00-0010	EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	98.48
01 45 29 00-0011	EA Partial Sieve Analysis, Soil Borings Laboratory Test	19.48
01 45 29 00-0012	EA Laboratory Permeability, Soil Borings Laboratory Test.....	973.77
01 45 29 00-0013	EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	196.96
01 45 29 00-0014	EA Sulfate Soundness, Soil Borings Laboratory Test.....	243.44
01 45 29 00-0015	EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	450.63
01 45 29 00-0016	EA Soil Bearing Ratio, ASTM D1883.....	498.71
01 45 29 00-0017	EA Compaction Test Subgrade, Soil Borings Laboratory Test.....	146.07
01 45 29 00-0018	EA Compaction Test Base Course, Soil Borings Laboratory Test.....	162.29
01 45 29 00-0019	EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	348.32
01 45 29 00-0020	EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	74.66

01 50 Temporary Facilities and Controls ⁽⁰¹⁾

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

01 51 Temporary Utilities ^(01 50)

01 51 13 Temporary Electricity ^(01 51)

01 51 13 00-0001	Temporary Service Switch And/or Building Feeder Switch ^(01 51 13) Note: Includes all connections and removal after use.	
01 51 13 00-0002	EA Temporary 30 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses.....	920.83
01 51 13 00-0003	EA Temporary 60 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses.....	1,163.43
01 51 13 00-0004	EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,560.75
01 51 13 00-0005	EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,420.78
01 51 13 00-0006	EA Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,442.70
01 51 13 00-0007	EA Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,311.16
01 51 13 00-0008	EA Temporary 800 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	10,048.14
01 51 13 00-0009	EA Temporary 1,200 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	16,186.45
01 51 13 00-0010	EA Temporary 2,000 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	22,519.14



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 51 13 00-0011			Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses <small>(01 51 13)</small> Note: Includes mounting on wall and removal after use.		
01 51 13 00-0012	EA		Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,621.93	
01 51 13 00-0013	EA		Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,262.28	
01 51 13 00-0014	EA		Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,540.27	
01 51 13 00-0015	EA		Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	5,029.01	

01 51 13 00-0016			Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards <small>(01 51 13)</small> Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-0017	LF		Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	11.83	
01 51 13 00-0018	LF		Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	12.96	

01 51 26 Temporary Lighting <small>(01 51)</small>					
01 51 26 00-0001			Temporary Lighting Devices <small>(01 51 26)</small> Note: Includes removal after use.		
01 51 26 00-0002	EA		Temporary Exit Light.....	295.78	
01 51 26 00-0003	EA		Temporary 10 Light String With Cages.....	107.42	
01 51 26 00-0004	EA		Temporary High Bay Light	404.51	

01 52 Construction Facilities (01 50)
Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds <small>(01 52)</small>					
01 52 13 00-0001			Field Offices and Office Trailers <small>(01 52 13)</small> Note: Excludes furniture, utility connections and service. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.		
01 52 13 00-0002	MO		8' x 24' Mobile Office, With Toilet.....	188.83	
			For Each Delivery And Removal, Two Round Trips, Add	1,221.51	
			For Each Set-Up (Block And Level), Add	440.31	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
			For Office Trailer Without Toilet, Deduct	-37.77	
01 52 13 00-0003	MO		8' x 32' Mobile Office, With Toilet.....	214.01	
			For Each Delivery And Removal, Two Round Trips, Add	1,221.51	
			For Each Set-Up (Block And Level), Add	440.31	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
			For Office Trailer Without Toilet, Deduct	-42.80	
01 52 13 00-0004	MO		10' x 36' Mobile Office, With Toilet.....	289.54	
			For Each Delivery And Removal, Two Round Trips, Add	1,832.25	
			For Each Set-Up (Block And Level), Add	718.39	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
			For Office Trailer Without Toilet, Deduct	-57.91	
01 52 13 00-0005	MO		10' x 40' Mobile Office, With Toilet.....	308.43	
			For Each Delivery And Removal, Two Round Trips, Add	1,832.25	
			For Each Set-Up (Block And Level), Add	718.39	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
			For Office Trailer Without Toilet, Deduct	-61.69	
01 52 13 00-0006	MO		10' x 44' Mobile Office, With Toilet.....	339.90	
			For Each Delivery And Removal, Two Round Trips, Add	1,832.25	
			For Each Set-Up (Block And Level), Add	718.39	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
01 52 13 00-0007	MO		10' x 50' Mobile Office, With Toilet.....	358.78	
			For Each Delivery And Removal, Two Round Trips, Add	1,832.25	
			For Each Set-Up (Block And Level), Add	718.39	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
01 52 13 00-0008	MO		12' x 32' Mobile Office, With Toilet.....	277.58	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
			For Each Delivery And Removal, Two Round Trips, Add	729.21	
			For Each Set-Up (Block And Level), Add	579.35	
01 52 13 00-0009	MO		12' x 44' Mobile Office, With Toilet.....	371.12	
			For Each Delivery And Removal, Two Round Trips, Add	1,832.25	
			For Each Set-Up (Block And Level), Add	718.39	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	
01 52 13 00-0010	MO		12' x 50' Mobile Office, With Toilet.....	421.72	
			For Each Delivery And Removal, Two Round Trips, Add	1,832.25	
			For Each Set-Up (Block And Level), Add	718.39	
			For Each Anchoring Into Dirt, Add	134.27	
			For Each Anchoring Into Asphalt Or Concrete, Add	201.40	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 52 13 00-0011	MO		12' x 60' Mobile Office, With Toilet.....	459.49	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,832.25	
			<i>For Each Set-Up (Block And Level), Add</i>	718.39	
			<i>For Each Anchoring Into Dirt, Add</i>	134.27	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	201.40	
01 52 13 00-0012	MO		24' x 60' Modular Office, With Toilet.....	1,007.10	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	3,664.51	
			<i>For Each Set-Up (Block And Level), Add</i>	1,158.70	
			<i>For Each Anchoring Into Dirt, Add</i>	134.27	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	201.40	
01 52 13 00-0013	MO		24' x 72' Modular Office, With Toilet.....	1,208.52	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	3,664.51	
			<i>For Each Set-Up (Block And Level), Add</i>	1,158.70	
			<i>For Each Anchoring Into Dirt, Add</i>	134.27	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	201.40	
01 52 13 00-0014	MO		30' x 30' Modular Office, With Toilet.....	574.36	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	3,664.51	
			<i>For Each Set-Up (Block And Level), Add</i>	1,158.70	
			<i>For Each Anchoring Into Dirt, Add</i>	134.27	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	201.40	

01 52 13 00-0015 **Accessories For Field Office Trailers** (01 52 13)

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO		Desk For Field Office Trailer.....	57.18	
01 52 13 00-0017	MO		Rolling Desk Chair For Field Office Trailer.....	35.74	
01 52 13 00-0018	MO		File Cabinet For Field Office Trailer.....	42.88	
01 52 13 00-0019	MO		Table For Field Office Trailer.....	28.59	
01 52 13 00-0020	MO		Folding Chair For Field Office Trailer.....	13.54	
01 52 13 00-0021	EA		Phone Hook-Up For Field Office Trailer.....	157.24	
01 52 13 00-0022	MO		Local Phone Service Per Phone Line For Field Office Trailer.....	100.06	
01 52 13 00-0023	MO		Security System With Monitoring For Field Office Trailer.....	180.17	
01 52 13 00-0024	LF		Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	16.12	
01 52 13 00-0025	LF		Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	38.17	
01 52 13 00-0026	MO		Steps For Field Office Trailer.....	47.00	
01 52 13 00-0027	MO		Fax Machine For Field Office Trailer.....	71.47	
01 52 13 00-0028	MO		Copier For Field Office Trailer.....	114.36	

01 52 13 00-0029 **Storage Containers** (01 52 13)

01 52 13 00-0030	MO		8' x 8' x 10' Storage Container.....	175.49	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	130.18	
			<i>For >12 Months, Deduct</i>	-52.65	
01 52 13 00-0031	MO		8' x 8' x 20' Storage Container.....	183.47	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	143.20	
			<i>For >12 Months, Deduct</i>	-55.04	
01 52 13 00-0032	MO		8' x 8' x 40' Storage Container.....	216.97	
			<i>For Each Delivery And Removal, Two Round Trips, Add</i>	288.40	
			<i>For >12 Months, Deduct</i>	-65.09	

01 52 19 **Sanitary Facilities** (01 52)

01 52 19 00-0001 **Portable Toilets** (01 52 19)

Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.

01 52 19 00-0002	WK		Portable Chemical Toilet.....	69.09	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery And Set-up, Add</i>	39.95	
01 52 19 00-0003	MO		Portable Chemical Toilet.....	207.26	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery And Set-up, Add</i>	39.95	
01 52 19 00-0004	WK		Americans With Disabilities Act Compliant Portable Chemical Toilet.....	82.40	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery And Set-up, Add</i>	39.95	
01 52 19 00-0005	MO		Americans With Disabilities Act Compliant Portable Chemical Toilet.....	241.80	
			<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
			<i>For Each Delivery And Set-up, Add</i>	39.95	
01 52 19 00-0006	WK		Two Station Portable Handwash.....	54.79	
			<i>For Each Delivery And Set-up, Add</i>	39.95	
01 52 19 00-0007	MO		Two Station Portable Handwash.....	166.19	
			<i>For Each Delivery And Set-up, Add</i>	39.95	
01 52 19 00-0008	MO		6 Station, Portable Toilets, Multi Trailer.....	4,685.40	
			Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
			<i>For Each Delivery, Set-up And Removal, Two Round Trips, Add</i>	1,221.51	
01 52 19 00-0009	WK		Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,044.02	
			<i>For One Additional Service Per Week, Add</i>	681.34	
			Note: For one less service per week, UOM to be negative one (-1)		

01 53 **Temporary Construction** (01 53)

01 53 16 **Temporary Decking** (01 53)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 53 16 00-0001 Temporary Walkways And Railings <small>(01 53 16)</small> Note: Includes removal after use.		
01 53 16 00-0002 SF Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.16	
01 53 16 00-0003 LF Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	35.79	
01 53 16 00-0004 LF Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.26	
01 53 16 00-0005 RSR Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	27.57	
 01 53 23 Temporary Ramps <small>(01 53)</small>		
01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access <small>(01 53 23)</small> Note: Includes removal after use.		
01 53 23 00-0002 SF Temporary Plywood For Wheel Barrow Access.....	1.71	0.55
 01 54 Construction Aids <small>(01 50)</small>		
01 54 09 Personnel Protection Equipment <small>(01 54)</small>		
01 54 09 00-0001 Personnel Protection Equipment <small>(01 54 09)</small> Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.		
01 54 09 00-0002 NTE Personnel Protection Equipment	0.00	
Note: For specification publishing. Review specifications for requirements.		
 01 54 23 Temporary Scaffolding and Platforms <small>(01 54)</small>		
01 54 23 00-0001 Scaffolding <small>(01 54 23)</small> Note: Additional scaffolding rental for work above the normal working height.		
01 54 23 00-0002 Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month)..... For Up To 25, Add For >25 To 50, Add For >50 To 150, Add	12.58 7.86 3.15	
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)..... For Up To 25, Add For >25 To 50, Add For >50 To 150, Add	35.37 14.15 8.84 3.54	
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month)..... For Up To 25, Add For >25 To 50, Add For >50 To 150, Add	47.18 18.87 11.80 4.72	
 01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	49.48	
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	64.88	
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	86.58	
01 54 23 00-0010 CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	95.23	
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	109.66	
01 54 23 00-0012 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	69.26	
 01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0014 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	68.38	
01 54 23 00-0015 CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	125.37	
01 54 23 00-0016 LF Aluminum Joists (LF / Month)	11.12	
01 54 23 00-0017 LF Aluminum Stringers (LF / Month)	15.94	
01 54 23 00-0018 EA Screw Jack With U-Plate For Stringers (EA / Month).....	20.09	
 01 54 23 00-0019 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.		
01 54 23 00-0020 CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	92.35	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0021	CCF		>20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	115.44	
01 54 23 00-0022	CCF		>40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	138.53	
01 54 23 00-0023	CCF		>60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	150.06	
01 54 23 00-0024	CCF		>80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	167.38	
01 54 23 00-0025			Scaffolding Accessories (01 54 23 00-0001) See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026	CSF		Netting for Exterior Building Scaffolding..... Note: Includes removal after use.	41.92	
01 54 23 00-0027			Rolling Scaffolding (01 54 23) Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0028	DAY		>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	11.65	
01 54 23 00-0029	WK		>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	46.69	
01 54 23 00-0030	MO		>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	186.74	
01 54 23 00-0031	DAY		>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	19.50	
01 54 23 00-0032	WK		>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	78.12	
01 54 23 00-0033	MO		>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	312.52	
01 54 23 00-0034	EA		>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	112.43	
01 54 23 00-0035	EA		>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	140.54	
01 54 23 00-0036			Shoring Posts (01 54 23)		
01 54 23 00-0037	DAY		6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	2.09	
01 54 23 00-0038	WK		6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	8.35	
01 54 23 00-0039	MO		6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	25.06	
01 54 23 00-0040	EA		Initial Erection And Final Dismantling For Each Shoring Post.....	9.00	
			For >20 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.15	
			For >100, Deduct	-4.95	
01 54 23 00-0041			Temporary Lumber, Single Use (01 54 23) Note: Includes removal after use.		
01 54 23 00-0042	SF		5/16" CD Grade Plywood, Temporary Lumber.....	2.75	
01 54 23 00-0043	SF		1/2" CD Grade Plywood, Temporary Lumber.....	3.08	
01 54 23 00-0044	SF		5/8" CD Grade Plywood, Temporary Lumber.....	3.44	
01 54 23 00-0045	SF		3/4" CD Grade Plywood, Temporary Lumber.....	3.80	
01 54 23 00-0046	SF		1" CD Grade Plywood, Temporary Lumber.....	5.60	
01 54 23 00-0047	LF		2" x 4" Temporary Lumber.....	3.33	
01 54 23 00-0048	LF		2" x 6" Temporary Lumber.....	4.19	
01 54 23 00-0049	LF		2" x 8" Temporary Lumber.....	5.05	
01 54 23 00-0050	LF		2" x 10" Temporary Lumber.....	5.91	
01 54 23 00-0051	LF		2" x 12" Temporary Lumber.....	6.78	
01 54 23 00-0052	LF		3" x 8" Temporary Lumber.....	6.78	
01 54 23 00-0053	LF		3" x 10" Temporary Lumber.....	8.06	
01 54 23 00-0054	LF		3" x 12" Temporary Lumber.....	9.35	
01 54 23 00-0055	LF		4" x 4" Temporary Lumber.....	4.43	
01 54 23 00-0056	LF		4" x 6" Temporary Lumber.....	6.29	
01 54 23 00-0057	LF		6" x 6" Temporary Lumber.....	8.15	
01 54 23 00-0058	LF		6" x 8" Temporary Lumber.....	10.58	
01 54 23 00-0059	LF		12" x 12" Temporary Lumber.....	25.39	
01 54 23 00-0060			Temporary Precast Concrete Blocks (01 54 23) Note: Includes removal after use.		
01 54 23 00-0061	EA		2' x 2' x 2' Temporary Precast Concrete (Ecology) Block..... Note: Includes removal after use.	121.80	
01 54 23 00-0062	EA		2' x 2' x 4' Temporary Precast Concrete (Ecology) Block..... Note: Includes removal after use.	152.25	
01 54 23 00-0063	EA		2' x 2' x 8' Temporary Precast Concrete (Ecology) Block..... Note: Includes removal after use.	199.49	
01 54 26			Temporary Swing Staging (01 54) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001			Swing Stage (01 54 26) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO		7' Swing Stage, Electric Operated.....	3,005.64	
01 54 26 00-0003	MO		10' Swing Stage, Electric Operated.....	3,155.92	
01 54 26 00-0004	MO		14' Swing Stage, Electric Operated.....	3,306.20	
01 54 26 00-0005	MO		20' Swing Stage, Electric Operated.....	3,456.49	
01 54 26 00-0006	MO		24' Swing Stage, Electric Operated.....	3,606.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0007 MO 30' Swing Stage, Electric Operated	3,757.05	
01 54 26 00-0008 MO 42' Swing Stage, Electric Operated	3,907.33	
01 54 26 00-0009 MO 12' Swing Stage, Manually Operated.....	866.71	
01 54 26 00-0010 MO 24' Swing Stage, Manually Operated.....	1,083.38	
01 54 26 00-0011 EA Swing Stage Platform From Hooks, Erection And Dismantling.....	4,792.73	
Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.		
01 54 26 00-0012 EA Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	6,660.32	
Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.		
01 54 26 00-0013 EA Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	2,520.12	
01 54 26 00-0014 EA Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	3,510.17	

01 55 Vehicular Access and Parking (01 55)

01 55 23 Temporary Roads (01 55)

01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)

Note: As per Caltrans detail.

01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	3.21	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	4.18	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		

01 55 23 00-0004 Rumble Trench Plate (01 55 23)

01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental	401.44	
01 55 23 00-0006 EA Placement And Removal Of Rumble Plate	98.75	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate.....	24.69	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		

01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)

Note: Excludes asphalt and gravel.

01 55 23 00-0009 EA 4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	4,927.03	220.56
01 55 23 00-0010 EA 6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	6,707.91	330.84
01 55 23 00-0011 EA 8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	9,268.95	441.11
01 55 23 00-0012 EA 12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	19,241.51	551.39
01 55 23 00-0013 EA 24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	28,238.87	661.67

01 55 26 Traffic Control (01 55)

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask	5.25	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask	6.34	

01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	5.31	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	7.24	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	9.08	

01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines	2.44	
<i>For Not Removed, Deduct</i>		
	-1.67	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines	3.21	
<i>For Not Removed, Deduct</i>		
	-2.27	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines	4.02	
<i>For Not Removed, Deduct</i>		
	-2.87	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.37	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.40	

01 55 26 00-0014 Temporary Pedestrian Traffic Control (01 55 26)

01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.13	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	13.11	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.13	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.90	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	10.68	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	14.44	
01 55 26 00-0021 CLF 1" Exterior Vinyl Tape (Warning Tape)	11.85	
01 55 26 00-0022 CLF 2" Exterior Vinyl Tape (Warning Tape)	16.38	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0023 CLF 3" Exterior Vinyl Tape (Warning Tape)	20.30	
01 55 26 00-0024 CLF 4" Exterior Vinyl Tape (Warning Tape)	23.73	
01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent <small>(01 55 26)</small> Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0026 LF 4" Linear Delineation System	11.37	
01 55 26 00-0027 LF 6" Linear Delineation System	15.38	
01 55 26 00-0028 Temporary Traffic Protection <small>(01 55 26)</small>		
01 55 26 00-0029 Temporary Portable Traffic Control Device Usage <small>(01 55 26 00-0028)</small> Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0129 for delivery, placing and removal.		
01 55 26 00-0030 DAY 28" Cone With Reflective Collar	0.86	
01 55 26 00-0031 WK 28" Cone With Reflective Collar	2.59	
01 55 26 00-0032 MO 28" Cone With Reflective Collar	7.76	
01 55 26 00-0033 DAY Vertical Panel	2.60	
01 55 26 00-0034 WK Vertical Panel	7.81	
01 55 26 00-0035 MO Vertical Panel	23.43	
01 55 26 00-0036 DAY Channelizer Drum	2.83	
01 55 26 00-0037 WK Channelizer Drum	8.48	
01 55 26 00-0038 MO Channelizer Drum	25.44	
01 55 26 00-0039 DAY Stackable Channelizer Panel	1.34	
01 55 26 00-0040 WK Stackable Channelizer Panel	4.01	
01 55 26 00-0041 MO Stackable Channelizer Panel	12.03	
01 55 26 00-0042 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.85	
01 55 26 00-0043 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.55	
01 55 26 00-0044 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	16.66	
01 55 26 00-0045 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.10	
01 55 26 00-0046 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.31	
01 55 26 00-0047 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	36.92	
01 55 26 00-0048 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.68	
01 55 26 00-0049 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.03	
01 55 26 00-0050 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails	42.08	
01 55 26 00-0051 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.55	
01 55 26 00-0052 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails	25.66	
01 55 26 00-0053 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails	76.97	
01 55 26 00-0054 DAY Up To 10' Wide A Frame Barricade	4.69	
01 55 26 00-0055 WK Up To 10' Wide A Frame Barricade	14.07	
01 55 26 00-0056 MO Up To 10' Wide A Frame Barricade	42.21	
01 55 26 00-0057 DAY Type A Or C Flasher	0.96	
01 55 26 00-0058 WK Type A Or C Flasher	2.87	
01 55 26 00-0059 MO Type A Or C Flasher	8.60	
01 55 26 00-0060 DAY Type B Flasher (High Intensity)	5.19	
01 55 26 00-0061 WK Type B Flasher (High Intensity)	15.56	
01 55 26 00-0062 MO Type B Flasher (High Intensity)	46.67	
01 55 26 00-0063 Temporary Traffic Barriers Usage <small>(01 55 26 00-0028)</small> Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0129 for delivery, placing and removal.		
01 55 26 00-0064 DAY 6' Long Portable Parking Curbs	2.23	
01 55 26 00-0065 WK 6' Long Portable Parking Curbs	6.70	
01 55 26 00-0066 MO 6' Long Portable Parking Curbs	20.10	
01 55 26 00-0067 DAY 6' Long Portable Speed Bumps	6.61	
01 55 26 00-0068 WK 6' Long Portable Speed Bumps	19.83	
01 55 26 00-0069 MO 6' Long Portable Speed Bumps	59.49	
01 55 26 00-0070 DAY Up To 12.5' Concrete Traffic Barrier	15.88	
01 55 26 00-0071 WK Up To 12.5' Concrete Traffic Barrier	47.64	
01 55 26 00-0072 MO Up To 12.5' Concrete Traffic Barrier	142.92	
01 55 26 00-0073 DAY >12.5' To 20' Concrete Traffic Barrier	31.76	
01 55 26 00-0074 WK >12.5' To 20' Concrete Traffic Barrier	95.28	
01 55 26 00-0075 MO >12.5' To 20' Concrete Traffic Barrier	285.85	
01 55 26 00-0076 DAY 6' x 32" Tall Plastic Water Barrier	18.96	
01 55 26 00-0077 WK 6' x 32" Tall Plastic Water Barrier	56.89	
01 55 26 00-0078 MO 6' x 32" Tall Plastic Water Barrier	170.68	
01 55 26 00-0079 DAY 6' x 46" Tall Plastic Water Barrier	27.08	
01 55 26 00-0080 WK 6' x 46" Tall Plastic Water Barrier	81.24	
01 55 26 00-0081 MO 6' x 46" Tall Plastic Water Barrier	243.71	
01 55 26 00-0082 DAY Sand Filled Crash Attenuator Barrels	10.60	
01 55 26 00-0083 WK Sand Filled Crash Attenuator Barrels	31.80	
01 55 26 00-0084 MO Sand Filled Crash Attenuator Barrels	95.39	
01 55 26 00-0085 MO 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)	1,504.08	
Note: Consists of 8 bays with nose piece at the front of the system.		
01 55 26 00-0086 Temporary Portable Signs And Message Displays Usage <small>(01 55 26 00-0028)</small> Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0129 for delivery, placing and removal.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0087 DAY Mesh Or Vinyl Roll-up Sign With Stand	8.32	
01 55 26 00-0088 WK Mesh Or Vinyl Roll-up Sign With Stand	24.96	
01 55 26 00-0089 MO Mesh Or Vinyl Roll-up Sign With Stand	74.89	
01 55 26 00-0090 DAY 18" x 18" Aluminum Construction Sign, With Portable Stand.....	4.24	
01 55 26 00-0091 WK 18" x 18" Aluminum Construction Sign, With Portable Stand.....	12.73	
01 55 26 00-0092 MO 18" x 18" Aluminum Construction Sign, With Portable Stand.....	38.19	
01 55 26 00-0093 DAY 30" x 24" Aluminum Construction Sign, With Portable Stand.....	5.16	
01 55 26 00-0094 WK 30" x 24" Aluminum Construction Sign, With Portable Stand.....	15.47	
01 55 26 00-0095 MO 30" x 24" Aluminum Construction Sign, With Portable Stand.....	46.40	
01 55 26 00-0096 DAY 30" x 30" Aluminum Construction Sign, With Portable Stand.....	4.78	
01 55 26 00-0097 WK 30" x 30" Aluminum Construction Sign, With Portable Stand.....	14.35	
01 55 26 00-0098 MO 30" x 30" Aluminum Construction Sign, With Portable Stand.....	43.04	
01 55 26 00-0099 DAY 48" x 18" Aluminum Construction Sign, With Portable Stand.....	5.46	
01 55 26 00-0100 WK 48" x 18" Aluminum Construction Sign, With Portable Stand.....	16.39	
01 55 26 00-0101 MO 48" x 18" Aluminum Construction Sign, With Portable Stand.....	49.16	
01 55 26 00-0102 DAY 48" x 24" Aluminum Construction Sign, With Portable Stand.....	6.07	
01 55 26 00-0103 WK 48" x 24" Aluminum Construction Sign, With Portable Stand.....	18.22	
01 55 26 00-0104 MO 48" x 24" Aluminum Construction Sign, With Portable Stand.....	54.67	
01 55 26 00-0105 DAY 48" x 30" Aluminum Construction Sign, With Portable Stand.....	6.69	
01 55 26 00-0106 WK 48" x 30" Aluminum Construction Sign, With Portable Stand.....	20.06	
01 55 26 00-0107 MO 48" x 30" Aluminum Construction Sign, With Portable Stand.....	60.18	
01 55 26 00-0108 DAY 60" x 24" Aluminum Construction Sign, With Portable Stand.....	10.31	
01 55 26 00-0109 WK 60" x 24" Aluminum Construction Sign, With Portable Stand.....	30.94	
01 55 26 00-0110 MO 60" x 24" Aluminum Construction Sign, With Portable Stand.....	92.81	
01 55 26 00-0111 DAY 60" x 30" Aluminum Construction Sign, With Portable Stand.....	11.08	
01 55 26 00-0112 WK 60" x 30" Aluminum Construction Sign, With Portable Stand.....	33.23	
01 55 26 00-0113 MO 60" x 30" Aluminum Construction Sign, With Portable Stand.....	99.70	
01 55 26 00-0114 DAY 60" x 36" Aluminum Construction Sign, With Portable Stand.....	11.84	
01 55 26 00-0115 WK 60" x 36" Aluminum Construction Sign, With Portable Stand.....	35.53	
01 55 26 00-0116 MO 60" x 36" Aluminum Construction Sign, With Portable Stand.....	106.59	
01 55 26 00-0117 DAY Aluminum Sign And Post.....	4.14	
01 55 26 00-0118 WK Aluminum Sign And Post.....	12.41	
01 55 26 00-0119 MO Aluminum Sign And Post.....	37.22	
01 55 26 00-0120 DAY Trailer Mounted Flashing Arrow Board	158.00	
01 55 26 00-0121 WK Trailer Mounted Flashing Arrow Board	437.32	
01 55 26 00-0122 MO Trailer Mounted Flashing Arrow Board	1,156.77	
01 55 26 00-0123 DAY Trailer Mounted Portable Variable Message Sign (PVMS).....	328.65	
01 55 26 00-0124 WK Trailer Mounted Portable Variable Message Sign (PVMS).....	876.40	
01 55 26 00-0125 MO Trailer Mounted Portable Variable Message Sign (PVMS).....	1,752.80	
01 55 26 00-0126 DAY Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	1,415.54	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0127 WK Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	4,246.62	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0128 MO Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	12,739.86	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0129 Place And Remove Temporary Traffic Protection Using Truck (01 55 26 00-0028)		
Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.		
01 55 26 00-0130 EA Placement And Removal Of Up To 250 Cones Using Truck	3.89	
01 55 26 00-0131 EA Placement And Removal Of >250 Cones Using Truck	3.40	
01 55 26 00-0132 EA Placement And Removal Of Up To 250 Panels/Channelizers Using Truck.....	6.41	
01 55 26 00-0133 EA Placement And Removal Of >250 Panels/Channelizers Using Truck.....	5.34	
01 55 26 00-0134 EA Placement And Removal Of Up To 250 Barricades Using Truck.....	9.72	
01 55 26 00-0135 EA Placement And Removal Of >250 Barricades Using Truck	7.77	
01 55 26 00-0136 EA Placement And Removal Of Curbs/Speed Bumps Using Truck	9.72	
01 55 26 00-0137 EA Placement And Removal Of Portable Sign And Stand Using Truck	5.83	
01 55 26 00-0138 EA Placement And Removal Of Aluminum Sign And Post Using Truck.....	24.29	
01 55 26 00-0139 EA Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	72.86	
01 55 26 00-0140 EA Placement And Removal Of Up To 12.5' Concrete Traffic Barrier	98.75	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add		246.88
For 2 Barriers, Add		88.88
For 3 Barriers, Add		29.63
01 55 26 00-0141 EA Placement And Removal Of >12.5' Concrete Traffic Barrier.....	148.12	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add		370.30
For 2 Barriers, Add		133.31
For 3 Barriers, Add		44.44
01 55 26 00-0142 EA Placement And Removal Of Plastic Water Barrier.....	56.62	
Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add		123.43
For 2 Barriers, Add		44.43
For 3 Barriers, Add		14.81

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



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0143	EA	Placement And Removal Of Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	74.06	
		<i>For 1 Barrier, Add</i>	185.15	
		<i>For 2 Barriers, Add</i>	66.65	
		<i>For 3 Barriers, Add</i>	22.22	
01 55 26 00-0144	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)..... Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	543.11	
01 55 26 00-0145 Place And Remove Temporary Traffic Protection From Roadside (Daily) ^(01 55 26 00-0028)				
01 55 26 00-0146	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	2.43	
01 55 26 00-0147	EA	Placement And Removal Of >250 Cones By Hand From Roadside	1.94	
01 55 26 00-0148	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.24	
01 55 26 00-0149	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	2.58	
01 55 26 00-0150	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	4.85	
01 55 26 00-0151	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	3.89	
01 55 26 00-0152	EA	Placement And Removal Of Portable Sign And Stand From Roadside	2.89	
01 55 26 00-0153	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	36.43	
01 55 26 00-0154	EA	Roadside Relocation Of Concrete Traffic Barrier..... Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	49.37	
01 55 26 00-0155 Place And Remove Temporary Signs For Detours ^(01 55 26 00-0028)				
01 55 26 00-0156 Temporary Reflectorized Signs For Detours ^(01 55 26 00-0155) Note: Excludes posts.				
01 55 26 00-0157 Temporary Aluminum Engineer Grade Stop Signs For Detours ^(01 55 26 00-0156)				
01 55 26 00-0158	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	83.92	
		<i>For Hi-Intensity Grade, Add</i>	6.95	
		<i>For Diamond Grade, Add</i>	13.21	
01 55 26 00-0159	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	94.43	
		<i>For Hi-Intensity Grade, Add</i>	9.09	
		<i>For Diamond Grade, Add</i>	17.27	
01 55 26 00-0160	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours.....	101.37	
		<i>For Hi-Intensity Grade, Add</i>	13.89	
		<i>For Diamond Grade, Add</i>	22.02	
01 55 26 00-0161	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	114.26	
		<i>For Hi-Intensity Grade, Add</i>	5.21	
		<i>For Diamond Grade, Add</i>	28.20	
01 55 26 00-0162	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours.....	143.77	
		<i>For Hi-Intensity Grade, Add</i>	15.29	
		<i>For Diamond Grade, Add</i>	47.97	
01 55 26 00-0163 Other Temporary Reflectorized Traffic Signs For Detours ^(01 55 26 00-0156) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.				
01 55 26 00-0164 Temporary Aluminum Engineer Grade Traffic Signs For Detours ^(01 55 26 00-0163)				
01 55 26 00-0165	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	59.74	
		<i>For Hi-Intensity Grade, Add</i>	1.72	
01 55 26 00-0166	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	62.61	
		<i>For Hi-Intensity Grade, Add</i>	2.58	
01 55 26 00-0167	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	62.61	
		<i>For Hi-Intensity Grade, Add</i>	2.58	
01 55 26 00-0168	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	64.76	
		<i>For Hi-Intensity Grade, Add</i>	3.23	
01 55 26 00-0169	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	66.92	
		<i>For Hi-Intensity Grade, Add</i>	3.88	
01 55 26 00-0170	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	74.60	
		<i>For Hi-Intensity Grade, Add</i>	5.17	
01 55 26 00-0171	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	91.82	
		<i>For Hi-Intensity Grade, Add</i>	10.33	
01 55 26 00-0172	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	65.48	
		<i>For Hi-Intensity Grade, Add</i>	3.44	
01 55 26 00-0173	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	74.60	
		<i>For Hi-Intensity Grade, Add</i>	5.17	
01 55 26 00-0174	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	80.34	
		<i>For Hi-Intensity Grade, Add</i>	6.89	
01 55 26 00-0175	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	86.08	
		<i>For Hi-Intensity Grade, Add</i>	8.61	
01 55 26 00-0176	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	91.82	
		<i>For Hi-Intensity Grade, Add</i>	10.33	
01 55 26 00-0177	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	83.21	
		<i>For Hi-Intensity Grade, Add</i>	7.75	
01 55 26 00-0178	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	91.82	
		<i>For Hi-Intensity Grade, Add</i>	10.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0179 EA Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	103.81 12.92	
01 55 26 00-0180 EA Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	112.42 15.50	
01 55 26 00-0181 EA Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	151.75 23.25	
01 55 26 00-0182 EA Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	106.68 13.78	
01 55 26 00-0183 EA Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	118.16 17.22	
01 55 26 00-0184 EA Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	129.64 20.67	
01 55 26 00-0185 EA Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	154.62 24.11	
01 55 26 00-0186 EA Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	166.10 27.56	
01 55 26 00-0187 EA Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	177.58 31.00	
01 55 26 00-0188 EA Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	132.51 21.53	
01 55 26 00-0189 EA Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	160.36 25.83	
01 55 26 00-0190 EA Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	174.71 30.14	
01 55 26 00-0191 EA Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	202.57 34.45	
01 55 26 00-0192 EA Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	244.77 43.06	
01 55 26 00-0193 EA Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	177.58 31.00	
01 55 26 00-0194 EA Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	208.31 36.17	
01 55 26 00-0195 EA Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	239.03 41.33	
01 55 26 00-0196 EA Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	256.25 46.50	
01 55 26 00-0197 EA Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	286.97 51.67	
01 55 26 00-0198 EA Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	337.79 62.86	
01 55 26 00-0199 EA Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	352.14 67.17	
01 55 26 00-0200 EA Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	458.51 93.00	
01 55 26 00-0201 EA Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	241.90 42.20	
01 55 26 00-0202 EA Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	298.46 55.11	
01 55 26 00-0203 EA Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	334.92 62.00	
01 55 26 00-0204 EA Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	357.88 68.89	
01 55 26 00-0205 EA Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	401.11 75.78	
01 55 26 00-0206 EA Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	424.07 82.67	
01 55 26 00-0207 EA Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	483.50 96.45	
01 55 26 00-0208 EA Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	529.42 110.22	
01 55 26 00-0209 EA Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	552.39 117.11	
01 55 26 00-0210 EA Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	582.09 124.00	
01 55 26 00-0211 EA Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	506.46 103.34	
01 55 26 00-0212 EA Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	765.80 179.12	
01 55 26 00-0213 Temporary Overhead Sign Structures For Detours <small>(01 55 26 00-0155)</small> Note: Including horizontal Z-bars.		
01 55 26 00-0214 SF From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours <i>For Over 10' High, Add</i>	22.50 13.00	
01 55 26 00-0215 Temporary Sign Posts For Detours <small>(01 55 26 00-0155)</small> Note: Excludes sign.		
01 55 26 00-0216 Temporary U-Channel Sign Posts For Detours <small>(01 55 26 00-0215)</small> Note: Excludes digging and concrete.		
01 55 26 00-0217 Temporary Baked Enamel U-Channel Sign Posts For Detours <small>(01 55 26 00-0216)</small>		
01 55 26 00-0218 EA Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	74.99	
01 55 26 00-0219 EA Temporary 6' Baked Enamel U-Channel Sign Post For Detours	96.83	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0220 EA Temporary 7' Baked Enamel U-Channel Sign Post For Detours	115.82	
01 55 26 00-0221 EA Temporary 8' Baked Enamel U-Channel Sign Post For Detours	135.44	
01 55 26 00-0222 EA Temporary 10' Baked Enamel U-Channel Sign Post For Detours	163.77	
01 55 26 00-0223 EA Temporary 12' Baked Enamel U-Channel Sign Post For Detours	173.85	
01 55 26 00-0224 Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0216)		
01 55 26 00-0225 EA Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours.....	79.08	
01 55 26 00-0226 EA Temporary 6' Galvanized Steel U-Channel Sign Post For Detours.....	103.32	
01 55 26 00-0227 EA Temporary 7' Galvanized Steel U-Channel Sign Post For Detours.....	130.48	
01 55 26 00-0228 EA Temporary 8' Galvanized Steel U-Channel Sign Post For Detours.....	151.65	
01 55 26 00-0229 EA Temporary 10' Galvanized Steel U-Channel Sign Post For Detours.....	175.57	
01 55 26 00-0230 EA Temporary 12' Galvanized Steel U-Channel Sign Post For Detours.....	184.11	
01 55 26 00-0231 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0216)		
01 55 26 00-0232 EA Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours.....	74.03	
01 55 26 00-0233 EA Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	94.74	
01 55 26 00-0234 EA Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	113.29	
01 55 26 00-0235 EA Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	132.43	
01 55 26 00-0236 EA Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	158.30	
01 55 26 00-0237 EA Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	170.61	
01 55 26 00-0238 Temporary Tubular Sign Posts For Detours (01 55 26 00-0215)		
Note: Excludes digging and concrete.		
01 55 26 00-0239 Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0238)		
01 55 26 00-0240 EA Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	103.99	
01 55 26 00-0241 EA Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	123.82	
01 55 26 00-0242 EA Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	145.71	
01 55 26 00-0243 EA Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	184.44	
01 55 26 00-0244 EA Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	197.87	
01 55 26 00-0245 Temporary Square Sign Posts For Detours (01 55 26 00-0215)		
Note: Excludes digging and concrete.		
01 55 26 00-0246 Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0245)		
01 55 26 00-0247 EA Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	79.99	
01 55 26 00-0248 EA Temporary 6' Galvanized Steel Square Sign Post For Detours	118.67	
01 55 26 00-0249 EA Temporary 7' Galvanized Steel Square Sign Post For Detours	140.03	
01 55 26 00-0250 EA Temporary 8' Galvanized Steel Square Sign Post For Detours	163.34	
01 55 26 00-0251 EA Temporary 10' Galvanized Steel Square Sign Post For Detours	199.15	
01 55 26 00-0252 EA Temporary 12' Galvanized Steel Square Sign Post For Detours	213.82	
01 55 26 00-0253 Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0155)		
Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0254 Temporary 2.5 LB/LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0253)		
01 55 26 00-0255 Temporary Base Posts, 2.5 LB/LF, For Breakaway Sign Posts For Detours (01 55 26 00-0254)		
01 55 26 00-0256 EA Temporary Base Post for 2.5 LB/LF, Breakaway Sign Post For Detours.....	102.41	
01 55 26 00-0257 EA Temporary Lap Splice Hardware For 2.5 LB/LF, Breakaway Sign Post For Detours.....	64.15	
01 55 26 00-0258 Temporary Breakaway Sign Posts, 2.5 LB/LF For Detours (01 55 26 00-0254)		
01 55 26 00-0259 LF Temporary Breakaway Sign Post, 2.5 LB/LF For Detours	12.00	
01 55 26 00-0260 Temporary 4 LB/LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0253)		
01 55 26 00-0261 Temporary Base Posts, 4 LB/LF, For Breakaway Sign Posts For Detours (01 55 26 00-0260)		
01 55 26 00-0262 EA Temporary Base Post for 4 LB/LF, Breakaway Sign Post For Detours.....	105.79	
01 55 26 00-0263 EA Temporary Lap Splice Hardware for 4 LB/LF, Breakaway Sign Post For Detours.....	64.15	
01 55 26 00-0264 Temporary Breakaway Sign Posts, 4 LB/LF For Detours (01 55 26 00-0260)		
01 55 26 00-0265 LF Temporary Breakaway Sign Post, 4 LB/LF For Detours	14.09	
01 55 26 00-0266 Temporary Driven Sign Posts For Detours (01 55 26 00-0253)		
01 55 26 00-0267 Temporary Driven Posts, 2.5 LB/LF For Detours (01 55 26 00-0266)		



General Requirements	01	10
Temporary Facilities and Controls	01 50	
Vehicular Access and Parking	01 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0268 LF Temporary Driven Post, 2.5 LB/LF For Detours..... <i>For Each Soil Plate, Add</i>	13.80	3.00
01 55 26 00-0269 Temporary Driven Posts, 4 LB/LF For Detours (01 55 26 00-0266)		
01 55 26 00-0270 LF Temporary Driven Post, 4 LB/LF For Detours..... <i>For Each Soil Plate, Add</i>	16.79	3.00
01 55 26 00-0271 Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours (01 55 26 00-0253)		
01 55 26 00-0272 Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0271) Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0273 EA Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525)	1,155.38	
01 55 26 00-0274 EA Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650)	1,231.26	
01 55 26 00-0275 EA Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16)	844.09	
01 55 26 00-0276 EA Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	739.31	
01 55 26 00-0277 EA Temporary Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	838.28	
01 55 26 00-0278 EA Temporary Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6)	797.51	
01 55 26 00-0279 EA Temporary Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6)	750.09	
01 55 26 00-0280 Temporary Omni-Directional Breakaway Systems For Poles For Detours (01 55 26 00-0271) Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
01 55 26 00-0281 EA Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	413.94	
01 55 26 00-0282 EA Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	434.02	
01 55 26 00-0283 EA Temporary Omni-Directional Breakaway System For Poles With 1" Couplings.....	450.69	
01 55 26 00-0284 EA Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	684.35	
01 55 26 00-0285 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	60.09	
01 55 26 00-0286 EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	80.13	
01 55 26 00-0287 Temporary Rumble Strips (01 55 26) Note: Includes removal after use.		
01 55 26 00-0288 LF 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	13.57	
01 55 26 00-0289 LF 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	9.76	

01 56 Temporary Barriers and Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)

01 56 16 00-0001 Temporary Sheeting For Protection (01 56 16)

Note: Includes removal after use.		
01 56 16 00-0002 SF 6 Mil, Plastic Sheeting, Applied To Floors	0.38	
Note: Includes removal after use.		
01 56 16 00-0003 SF 6 Mil, Plastic Sheeting, Applied To Walls.....	0.49	
Note: Includes removal after use.		
01 56 16 00-0004 SF 6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.65	
Note: Includes removal after use.		
01 56 16 00-0005 SF 6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.65	
Note: Includes removal after use.		
01 56 16 00-0006 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.46	
Note: Includes removal after use.		
01 56 16 00-0007 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.57	
Note: Includes removal after use.		
01 56 16 00-0008 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.73	
Note: Includes removal after use.		
01 56 16 00-0009 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.69	
Note: Includes removal after use.		
01 56 16 00-0010 SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.89	
Note: Includes removal after use.		
01 56 16 00-0011 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors	0.48	
Note: Includes removal after use.		
01 56 16 00-0012 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls	0.59	
Note: Includes removal after use.		
01 56 16 00-0013 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings	0.75	
Note: Includes removal after use.		
01 56 16 00-0014 SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding	0.71	
Note: Includes removal after use.		
01 56 16 00-0015 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.48	
Note: Includes removal after use.		
01 56 16 00-0016 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.59	
Note: Includes removal after use.		
01 56 16 00-0017 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.75	
Note: Includes removal after use.		

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0018	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.71	
01 56 16 00-0019	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.54	
01 56 16 00-0020	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls..... Note: Includes removal after use.	0.65	
01 56 16 00-0021	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings..... Note: Includes removal after use.	0.81	
01 56 16 00-0022	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding..... Note: Includes removal after use.	0.77	
01 56 16 00-0023			Temporary Canvas For Protection (01 56 16) Note: Includes removal after use.		
01 56 16 00-0024	SF		Heavy Duty Woven Water Repellant Canvas, Applied To Walls.....	1.02	
01 56 16 00-0025			Accessories For Temporary Sheeting (01 56 16) Note: Includes removal after use.		
01 56 16 00-0026	EA		7' Zipper Door For Plastic Sheeting	23.88	
01 56 16 00-0027	LF		Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall)..... Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	9.60	
01 56 16 00-0028			Temporary Critical Barriers For Protection (01 56 16) Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0029	EA		Up To 1 SF Individual Critical Barriers For Outlets And Receptacles	12.92	
01 56 16 00-0030	EA		>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	19.57	
01 56 16 00-0031	EA		>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	26.31	
01 56 16 00-0032	EA		>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	41.02	
01 56 16 00-0033			Temporary Stud Wall (01 56 16) Note: Includes removal after use.		
01 56 16 00-0034			Temporary Stud Wall With Drywall (01 56 16 00-0033) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0035			Temporary Stud Wall With Drywall (01 56 16 00-0034)		
01 56 16 00-0036	SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.65	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.83	
01 56 16 00-0037	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.65	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.83	
01 56 16 00-0038	SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.74	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.83	
01 56 16 00-0039	SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.22	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.94	
01 56 16 00-0040	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.22	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.94	
01 56 16 00-0041	SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.41	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.94	
01 56 16 00-0042			Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0034)		
01 56 16 00-0043	SF		1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.75	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.83	
01 56 16 00-0044	SF		5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.79	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.83	
01 56 16 00-0045	SF		5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.73	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.83	
01 56 16 00-0046	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.45	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.83	
01 56 16 00-0047	SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.43	
			Note: Includes removal after use.		
			For Metal Studs 24" On Center, Add/Deduct	0.94	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0048	SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.50	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0049	SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.39	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0050	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.83	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0051			Temporary Stud Wall With Oriented Strand Board (OSB) <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.59	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0053	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.64	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0054	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.78	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0055	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.86	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0056	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.11	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0057	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.21	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0058	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.49	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0059	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.65	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0060			Temporary Stud Wall With BC Plywood <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.93	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0062	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.12	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0063	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.42	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0064	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.59	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.83	
01 56 16 00-0065	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.79	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0066	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.16	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0067	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.76	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0068	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.10	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.94	
01 56 16 00-0069			Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0033)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070	SF		6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.79	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.71	
01 56 16 00-0071	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.87	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.71	
01 56 16 00-0072	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.89	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.71	
01 56 16 00-0073	SF		6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	3.88	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.71	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0074	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.95	0.71
01 56 16 00-0075			Temporary Doors <small>(01 56 16 00-0033)</small> Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076	EA		Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	642.92	
01 56 16 00-0077			Temporary Floor Protection <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0078	SF		1/8" Thick, Masonite For Temporary Floor Protection..... Note: Includes removal after use.	1.77	
01 56 16 00-0079	SF		1/2" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	1.80	
01 56 16 00-0080	SF		3/4" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	2.13	
01 56 16 00-0081	LF		38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection..... Note: Includes removal after use.	1.05	
01 56 16 00-0082	LF		36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection..... Note: Includes removal after use.	0.34	
01 56 16 00-0083	CSF		3 Mil, Temporary Self-adhesive Carpet Protection Film..... Note: Includes removal after use.	27.23	
01 56 16 00-0084	SF		Burlap For Temporary Floor Protection..... Note: Includes removal after use.	0.73	
01 56 16 00-0085			Sticky Mats <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0086	EA		18" x 36", 30 Layer Sticky Mat Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	37.62	24.84
01 56 16 00-0087	EA		18" x 46", 30 Layer Sticky Mat Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	43.14	28.98
01 56 16 00-0088	EA		24" x 36", 30 Layer Sticky Mat Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	43.14	28.98
01 56 16 00-0089	EA		25" x 45", 30 Layer Sticky Mat Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	56.94	39.33
01 56 16 00-0090	EA		36" x 36", 30 Layer Sticky Mat Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	62.46	43.47
01 56 16 00-0091	EA		36" x 46", 30 Layer Sticky Mat Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	67.98	47.61
01 56 16 00-0092	EA		36" x 60", 30 Layer Sticky Mat Note: Includes removal after use. <i>For 60 Layers Instead Of 30, Add</i>	136.98	99.36
01 56 16 00-0093	EA		36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	163.47	
01 56 26			Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001			Temporary Fencing <small>(01 56 26)</small> Note: Per ASTM A392-06 Standards		
01 56 26 00-0002			Temporary Chain Link Fence <small>(01 56 26 00-0001)</small> Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	6.98	-0.17 -0.34 -0.51 1.60
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	7.78	-0.19 -0.38 -0.57 2.55
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	10.77	-0.32 -0.65 -0.97 3.60
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i> <i>For Each LF Shade Cloth, Add</i>	23.93	-0.96 -1.92 -2.87 4.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.33	
	<i>For >100 To 250, Deduct</i>	-0.19	
	<i>For >250 To 500, Deduct</i>	-0.37	
	<i>For >500, Deduct</i>	-0.56	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.15	
	<i>For >100 To 250, Deduct</i>	-0.21	
	<i>For >250 To 500, Deduct</i>	-0.42	
	<i>For >500, Deduct</i>	-0.63	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	11.40	
	<i>For >100 To 250, Deduct</i>	-0.35	
	<i>For >250 To 500, Deduct</i>	-0.71	
	<i>For >500, Deduct</i>	-1.06	
	<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	25.84	
	<i>For >100 To 250, Deduct</i>	-1.05	
	<i>For >250 To 500, Deduct</i>	-2.11	
	<i>For >500, Deduct</i>	-3.16	
	<i>For Each LF Shade Cloth, Add</i>	4.75	

01 56 26 00-0013	Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0014	LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	7.70	
	<i>For >100 To 250, Deduct</i>	-0.21	
	<i>For >250 To 500, Deduct</i>	-0.41	
	<i>For >500, Deduct</i>	-0.62	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0015	LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	8.58	
	<i>For >100 To 250, Deduct</i>	-0.23	
	<i>For >250 To 500, Deduct</i>	-0.46	
	<i>For >500, Deduct</i>	-0.69	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0016	LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.12	
	<i>For >100 To 250, Deduct</i>	-0.39	
	<i>For >250 To 500, Deduct</i>	-0.78	
	<i>For >500, Deduct</i>	-1.17	
	<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0017	LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	27.95	
	<i>For >100 To 250, Deduct</i>	-1.16	
	<i>For >250 To 500, Deduct</i>	-2.32	
	<i>For >500, Deduct</i>	-3.48	
	<i>For Each LF Shade Cloth, Add</i>	4.75	

01 56 26 00-0018	Temporary Chain Link Fence, >18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0019	LF Temporary 4' High Chain Link Fence And Posts, >18 Months	8.11	
	<i>For >100 To 250, Deduct</i>	-0.23	
	<i>For >250 To 500, Deduct</i>	-0.45	
	<i>For >500, Deduct</i>	-0.68	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0020	LF Temporary 6' High Chain Link Fence And Posts, >18 Months	9.02	
	<i>For >100 To 250, Deduct</i>	-0.25	
	<i>For >250 To 500, Deduct</i>	-0.51	
	<i>For >500, Deduct</i>	-0.76	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0021	LF Temporary 8' High Chain Link Fence And Posts, >18 Months	12.89	
	<i>For >100 To 250, Deduct</i>	-0.43	
	<i>For >250 To 500, Deduct</i>	-0.86	
	<i>For >500, Deduct</i>	-1.29	
	<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0022	LF Temporary 10' High Chain Link Fence And Posts, >18 Months	30.26	
	<i>For >100 To 250, Deduct</i>	-1.27	
	<i>For >250 To 500, Deduct</i>	-2.55	
	<i>For >500, Deduct</i>	-3.82	
	<i>For Each LF Shade Cloth, Add</i>	4.75	

01 56 26 00-0023	Temporary Chain Link Fence Gates <small>(01 56 26 00-0001)</small>		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.			
01 56 26 00-0024	Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0025	4' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0026	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	282.92	
	<i>For Each LF Shade Cloth, Add</i>	16.09	
01 56 26 00-0027	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	479.11	
	<i>For Each LF Shade Cloth, Add</i>	40.21	
01 56 26 00-0028	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	536.89	
	<i>For Each LF Shade Cloth, Add</i>	48.26	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	610.85 60.32	
	01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	732.24 80.43	
	01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	814.43 96.51	
01 56 26 00-0032			6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
	01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	302.63 25.64	
	01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	516.84 64.09	
	01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	580.37 76.91	
	01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	671.86 96.13	
	01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	812.44 128.18	
	01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	920.64 153.81	
01 56 26 00-0039			8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
	01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	337.74 36.19	
	01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Shade Cloth, Add</i>	591.48 90.48	
	01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Shade Cloth, Add</i>	662.02 108.57	
	01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Shade Cloth, Add</i>	757.39 135.72	
	01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Shade Cloth, Add</i>	925.65 180.96	
	01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Shade Cloth, Add</i>	1,072.05 217.15	
01 56 26 00-0046			10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
	01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	409.66 47.75	
	01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	710.33 119.38	
	01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	796.60 143.26	
	01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	910.06 179.07	
	01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	1,112.49 238.76	
	01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months <i>For Each LF Shade Cloth, Add</i>	1,282.66 286.52	
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
	01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	293.69 16.09	
	01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	495.86 40.21	
	01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	556.04 48.26	
	01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	632.39 60.32	
	01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	758.57 80.43	
	01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	843.15 96.51	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
	01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	313.89 25.64	
	01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	534.36 64.09	
	01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	600.39 76.91	
	01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	694.38 96.13	
	01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	839.97 128.18	
	01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Each LF Shade Cloth, Add</i>	950.66 153.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	350.13	
<i>For Each LF Shade Cloth, Add</i>	36.19	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	610.75	
<i>For Shade Cloth, Add</i>	90.48	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	684.04	
<i>For Shade Cloth, Add</i>	108.57	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	782.16	
<i>For Shade Cloth, Add</i>	135.72	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	955.92	
<i>For Shade Cloth, Add</i>	180.96	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,105.08	
<i>For Shade Cloth, Add</i>	217.15	
01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	425.15	
<i>For Each LF Shade Cloth, Add</i>	47.75	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	734.41	
<i>For Each LF Shade Cloth, Add</i>	119.38	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	824.13	
<i>For Each LF Shade Cloth, Add</i>	143.26	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	941.03	
<i>For Each LF Shade Cloth, Add</i>	179.07	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,150.34	
<i>For Each LF Shade Cloth, Add</i>	238.76	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,323.95	
<i>For Each LF Shade Cloth, Add</i>	286.52	
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	305.00	
<i>For Each LF Shade Cloth, Add</i>	16.09	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	513.46	
<i>For Each LF Shade Cloth, Add</i>	40.21	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	576.14	
<i>For Each LF Shade Cloth, Add</i>	48.26	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	655.01	
<i>For Each LF Shade Cloth, Add</i>	60.32	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	786.22	
<i>For Each LF Shade Cloth, Add</i>	80.43	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	873.31	
<i>For Each LF Shade Cloth, Add</i>	96.51	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	325.72	
<i>For Each LF Shade Cloth, Add</i>	25.64	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	552.75	
<i>For Each LF Shade Cloth, Add</i>	64.09	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	621.41	
<i>For Each LF Shade Cloth, Add</i>	76.91	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	718.03	
<i>For Each LF Shade Cloth, Add</i>	96.13	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	868.87	
<i>For Each LF Shade Cloth, Add</i>	128.18	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	982.19	
<i>For Each LF Shade Cloth, Add</i>	153.81	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	363.13	
<i>For Each LF Shade Cloth, Add</i>	36.19	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	630.98	
<i>For Shade Cloth, Add</i>	90.48	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	707.16	
<i>For Shade Cloth, Add</i>	108.57	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	808.18	
<i>For Shade Cloth, Add</i>	135.72	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	987.72	
<i>For Shade Cloth, Add</i>	180.96	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,139.76	
<i>For Shade Cloth, Add</i>	217.15	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	441.41	
<i>For Each LF Shade Cloth, Add</i>	47.75	

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	759.70	
			<i>For Each LF Shade Cloth, Add</i>	119.38	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	853.03	
			<i>For Each LF Shade Cloth, Add</i>	143.26	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	973.54	
			<i>For Each LF Shade Cloth, Add</i>	179.07	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,190.08	
			<i>For Each LF Shade Cloth, Add</i>	238.76	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,367.30	
			<i>For Each LF Shade Cloth, Add</i>	286.52	
01 56 26 00-0111			Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112			4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	316.31	
			<i>For Each LF Shade Cloth, Add</i>	16.09	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	531.05	
			<i>For Each LF Shade Cloth, Add</i>	40.21	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	596.25	
			<i>For Each LF Shade Cloth, Add</i>	48.26	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	677.63	
			<i>For Each LF Shade Cloth, Add</i>	60.32	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	813.86	
			<i>For Each LF Shade Cloth, Add</i>	80.43	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	903.47	
			<i>For Each LF Shade Cloth, Add</i>	96.51	
01 56 26 00-0119			6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	337.54	
			<i>For Each LF Shade Cloth, Add</i>	25.64	
01 56 26 00-0121	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	571.14	
			<i>For Each LF Shade Cloth, Add</i>	64.09	
01 56 26 00-0122	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	642.43	
			<i>For Each LF Shade Cloth, Add</i>	76.91	
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	741.67	
			<i>For Each LF Shade Cloth, Add</i>	96.13	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	897.77	
			<i>For Each LF Shade Cloth, Add</i>	128.18	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,013.72	
			<i>For Each LF Shade Cloth, Add</i>	153.81	
01 56 26 00-0126			8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	376.14	
			<i>For Each LF Shade Cloth, Add</i>	36.19	
01 56 26 00-0128	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	651.22	
			<i>For Shade Cloth, Add</i>	90.48	
01 56 26 00-0129	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	730.28	
			<i>For Shade Cloth, Add</i>	108.57	
01 56 26 00-0130	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	834.19	
			<i>For Shade Cloth, Add</i>	135.72	
01 56 26 00-0131	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,019.51	
			<i>For Shade Cloth, Add</i>	180.96	
01 56 26 00-0132	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,174.45	
			<i>For Shade Cloth, Add</i>	217.15	
01 56 26 00-0133			10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0134	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	457.66	
			<i>For Each LF Shade Cloth, Add</i>	47.75	
01 56 26 00-0135	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	784.99	
			<i>For Each LF Shade Cloth, Add</i>	119.38	
01 56 26 00-0136	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	881.93	
			<i>For Each LF Shade Cloth, Add</i>	143.26	
01 56 26 00-0137	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,006.06	
			<i>For Each LF Shade Cloth, Add</i>	179.07	
01 56 26 00-0138	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,229.82	
			<i>For Each LF Shade Cloth, Add</i>	238.76	
01 56 26 00-0139	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,410.66	
			<i>For Each LF Shade Cloth, Add</i>	286.52	
01 56 26 00-0140			Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
			Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141			Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142	LF		Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	7.65	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
			<i>For Each LF Shade Cloth, Add</i>	1.60	



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

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	8.50	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500, Deduct</i>	-0.68	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	11.63	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.10	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0145			Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.99	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.66	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	8.87	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500, Deduct</i>	-0.74	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	12.27	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500, Deduct</i>	-1.19	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0149			Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	8.34	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.71	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	9.31	
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500, Deduct</i>	-0.80	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	12.99	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.30	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0153			Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	8.77	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500, Deduct</i>	-0.78	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	9.74	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.87	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months.....	13.74	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.41	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0157			Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag.....	6.89	
			Note: Includes placement and removal.		
01 56 26 00-0159			Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)		
			Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160			Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161	LF		Relocate Temporary 4' High Chain Link Fence And Posts.....	3.79	
01 56 26 00-0162	LF		Relocate Temporary 6' High Chain Link Fence And Posts.....	5.68	
01 56 26 00-0163	LF		Relocate Temporary 8' High Chain Link Fence And Posts.....	8.22	
01 56 26 00-0164	LF		Relocate Temporary 10' High Chain Link Fence And Posts.....	10.10	
01 56 26 00-0165			Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166	LF		Relocate Temporary 4' High Chain Link Fence Panel, Self Standing.....	0.90	

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



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
01 56 26 00-0167	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing		1.08	
01 56 26 00-0168	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing		1.22	
01 56 26 00-0169		Relocate Temporary Chain Link Gates On Site <small>(01 56 26 00-0159)</small>			
01 56 26 00-0170	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts		116.98	
01 56 26 00-0171	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts		134.98	
01 56 26 00-0172	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts		166.48	
01 56 26 00-0173	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts		179.97	
01 56 26 00-0174		Temporary Safety Fence <small>(01 56 26)</small>			
		Note: Includes removal after use.			
01 56 26 00-0175	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence		3.48	
01 56 29		Temporary Protective Walkways <small>(01 56)</small>			
01 56 29 00-0001		Temporary Sidewalk Bridge Protection <small>(01 56 29)</small>			
01 56 29 00-0002		Installation of Sidewalk Bridge <small>(01 56 29 00-0001)</small>			
		Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.			
01 56 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		184.70	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.			
		<i>For 3 Post System, Add</i>		6.00	
		<i>For Each Additional Foot Over 8' Wide, Add</i>		3.00	
		<i>For Each Additional Foot Over 8' High, Add</i>		2.00	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge		4.71	
01 56 29 00-0005		Monthly Rental of Sidewalk Bridge <small>(01 56 29 00-0001)</small>			
		Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-00016 for removal.			
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		15.04	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		2.26	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		16.94	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		2.54	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		18.82	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		2.82	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		18.82	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		2.82	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		20.68	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		3.10	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		24.48	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		3.67	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		22.60	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		3.39	
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		26.36	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		3.95	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		28.20	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
		<i>For 3 Post System, Add</i>		4.23	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge		2.82	
01 56 29 00-0016		Removal of Sidewalk Bridge <small>(01 56 29 00-0001)</small>			
01 56 29 00-0017	LF	Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly		38.44	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.			
		<i>For 3 Post System, Add</i>		2.50	
		<i>For Each Additional Foot Over 8' Wide, Add</i>		1.25	
		<i>For Each Additional Foot Over 8' High, Add</i>		0.75	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge		2.36	
01 56 29 00-0019		Temporary Safety Nets <small>(01 56 29)</small>			
		Note: Includes removal after use.			



General Requirements	01	
Temporary Facilities and Controls	01 50	10
Temporary Barriers and Enclosures	01 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0020	SF		Small Mesh Debris Netting Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	2.24	
01 56 33 Temporary Security Barriers (01 56)					
01 56 33 00-0001			Board-up Opening With Plywood (01 56 33) Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG		Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	13.50	
01 56 33 00-0003	SF		5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.51	
01 56 33 00-0004	SF		3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	9.86	
01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)					
Note: Portable, interlocking galvanized steel fence with pivoting legs.					
01 56 33 00-0006	DAY		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	14.05	
01 56 33 00-0007	WK		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	34.12	
01 56 33 00-0008	MO		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	102.37	
01 56 39 Temporary Tree and Plant Protection (01 56)					
01 56 39 00-0001			Temporary Tree Guards (01 56 39) Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA		Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	198.17	
01 56 39 00-0003	EA		4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	235.55	
01 56 39 00-0004	EA		6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	256.11	
01 57 Temporary Controls (01 50)					
01 57 13 Temporary Erosion and Sediment Control (01 57)					
See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.					
01 57 23 Temporary Storm Water Pollution Control (01 57)					
See CSI section 31 25 00 00-0000 for temporary storm water pollution control.					
01 57 23 00-0001			Temporary Drain Guard (01 57 23) Note: Includes removal after use.		
01 57 23 00-0002	EA		36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	109.23	
01 57 23 00-0003	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)..... Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	107.16	
01 57 23 00-0004	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)..... Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	136.25	
01 57 23 00-0005	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)..... Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	134.16	
01 57 23 00-0006	EA		60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)..... Note: Up to 2.06 gallons oil, up to 40 lbs sediment.	165.33	
01 58 Project Identification (01 50)					
Note: Includes removal after use.					
01 58 13 Temporary Project Signage (01 58)					
01 58 13 00-0001			Project Sign (01 58 13)		
01 58 13 00-0002			MDO Plywood Signs (01 58 13 00-0001) Note: Excludes posts.		
01 58 13 00-0003			Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0004			Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)		
01 58 13 00-0005	EA		Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	173.91	24.75
			For High-Intensity Grade, Add	43.54	
			For Diamond Grade, Add	83.98	
01 58 13 00-0006	EA		>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	300.58	25.88
			For High-Intensity Grade, Add	87.09	
			For Diamond Grade, Add	167.96	
01 58 13 00-0007	EA		>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	427.24	27.00
			For High-Intensity Grade, Add	130.63	
			For Diamond Grade, Add	251.94	
01 58 13 00-0008	EA		>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	553.91	28.13
			For High-Intensity Grade, Add	174.18	
			For Diamond Grade, Add	335.92	
01 58 13 00-0009	SF		>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	17.35	0.90
			For High-Intensity Grade, Add	5.44	
			For Diamond Grade, Add	10.50	
01 58 13 00-0010			Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		

01	01	General Requirements
	01 50	Temporary Facilities and Controls
	01 58	Project Identification



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 58 13 00-0011		One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)			
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	218.30		24.75
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	260.84		25.88
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	327.34		27.00
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	390.13		28.13
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	12.23		0.90
01 58 13 00-0017		Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)			
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	223.05		24.75
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	286.45		25.88
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	353.37		27.00
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	412.44		28.13
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.93		0.90
01 58 13 00-0023		Fabricate And Install New Posts (01 58 13 00-0001)			
		Note: Includes excavation, backfill and compaction. Excludes core drilling.			
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	16.95		
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	14.05		
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	16.96		
01 58 13 00-0027		Owner Supplied Signs (01 58 13 00-0001)			
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	90.00		

01 60 Product Requirements (01)

01 66 Product Storage and Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001 Transfer Delivered Materials Between Floors (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor	17.31
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01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip	11.25
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Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.03
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01 66 19 00-0006 Transfer Demolition Debris Between Floors (01 66 19)

Note: Only for use with demolition tasks.

01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor	17.31
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01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip	11.25
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Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' (01 66 19)

Note: Only for use with demolition tasks.

01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.03
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01 66 19 00-0011 Moving Furniture And Furnishings (01 66 19)

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings	1.13
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Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.

01 70 Execution and Closeout Requirements (01)

01 71 Examination and Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.



General Requirements	01	10
Execution and Closeout Requirements	01 70	
Examination and Preparation	01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck 479.26 Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	479.26	
01 71 13 00-0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... 1,526.88 Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,526.88	
01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13) Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane..... 511.21 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 127.80 <i>For >60 To 100 Miles Radius, Add</i> 204.48	511.21	
01 71 13 00-0006 EA >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane 830.72 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 207.68 <i>For >60 To 100 Miles Radius, Add</i> 332.29	830.72	
01 71 13 00-0007 EA >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane 1,150.22 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 287.56 <i>For >60 To 100 Miles Radius, Add</i> 460.09	1,150.22	
01 71 13 00-0008 EA >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane 1,853.14 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 463.29 <i>For >60 To 100 Miles Radius, Add</i> 741.26	1,853.14	
01 71 13 00-0009 EA >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane 2,326.00 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 581.50 <i>For >60 To 100 Miles Radius, Add</i> 930.40	2,326.00	
01 71 13 00-0010 EA >125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane 2,894.72 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 723.68 <i>For >60 To 100 Miles Radius, Add</i> 1,157.89	2,894.72	
01 71 13 00-0011 EA >150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane 3,335.65 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 833.91 <i>For >60 To 100 Miles Radius, Add</i> 1,334.26	3,335.65	
01 71 13 00-0012 EA >185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane 3,731.83 Note: Includes delivery and pickup. <i>For >30 To 60 Miles Radius, Add</i> 932.96 <i>For >60 To 100 Miles Radius, Add</i> 1,492.73	3,731.83	
01 71 13 00-0013 EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 1,980.94 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 495.24 <i>For >60 To 100 Miles Radius, Add</i> 792.38	1,980.94	
01 71 13 00-0014 EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 3,131.16 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 782.79 <i>For >60 To 100 Miles Radius, Add</i> 1,252.46	3,131.16	
01 71 13 00-0015 EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 3,961.88 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 990.47 <i>For >60 To 100 Miles Radius, Add</i> 1,584.75	3,961.88	
01 71 13 00-0016 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 4,920.40 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 1,230.10 <i>For >60 To 100 Miles Radius, Add</i> 1,968.16	4,920.40	
01 71 13 00-0017 EA 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 6,134.52 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 1,533.63 <i>For >60 To 100 Miles Radius, Add</i> 2,453.81	6,134.52	
01 71 13 00-0018 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 7,156.94 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 1,789.24 <i>For >60 To 100 Miles Radius, Add</i> 2,862.78	7,156.94	
01 71 13 00-0019 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 10,224.20 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 2,556.05 <i>For >60 To 100 Miles Radius, Add</i> 4,089.68	10,224.20	
01 71 13 00-0020 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane 14,019.94 Note: Includes delivery, rigging and pickup. <i>For >30 To 60 Miles Radius, Add</i> 3,504.99 <i>For >60 To 100 Miles Radius, Add</i> 5,607.98	14,019.94	

- 01 71 23 Field Engineering (01 71)**
- 01 71 23 16 Construction Surveying (01 71 23)**

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 71	Examination and Preparation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 23 16-0001	Conventional Topographic Survey <small>(01 71 23 16)</small> Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.	
01 71 23 16-0002	ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles.....	1,277.48
01 71 23 16-0003	ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,558.15
01 71 23 16-0004	ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings).....	5,111.59
01 71 23 16-0005	ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	7,671.25
01 71 23 16-0006	ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	9,598.41
01 71 23 16-0007	Property Lines Survey <small>(01 71 23 16)</small> Note: Not to be added to tasks in the "Conventional Topographic Survey" section.	
01 71 23 16-0008	LF Survey Property Lines On Cleared Land	2.82
01 71 23 16-0009	LF Survey Property Lines On Slightly Wooded Land	3.27
01 71 23 16-0010	LF Survey Property Lines On Wooded Land.....	3.83
01 71 23 16-0011	Survey Monument <small>(01 71 23 16)</small>	
01 71 23 16-0012	EA 3' Precast Survey Monument.....	201.65
	<i>For Owner Furnished Monument, Deduct</i>	-79.77
01 71 23 16-0013	EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	302.12
01 71 23 16-0014	EA Riser Ring For Survey Monument.....	155.98
01 71 23 16-0015	EA Adjust Survey Monument Cover To Grade.....	239.29
01 71 23 16-0016	Facade Surveying <small>(01 71 23 16)</small>	
01 71 23 16-0017	LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	7.75
01 71 23 16-0018	Utility Survey <small>(01 71 23 16)</small> Note: This survey is only for the location of underground utilities.	
01 71 23 16-0019	ACR Survey Clear Area For Underground Utilities.....	6,531.85
01 71 23 16-0020	Drone Survey (Extreme Aerial Productions) <small>(01 71 23 16)</small> Note: Thermographic services to electrical line grid inspections.	
01 71 23 16-0021	Mobilization For Drone Surveying <small>(01 71 23 16-0020)</small>	
01 71 23 16-0022	EA Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing.....	262.17
01 71 23 16-0023	EA Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	655.42
01 71 23 16-0024	EA Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	174.78
01 71 23 16-0025	EA Mobilization For Drone Road Survey For Topography/Progression/Inspection	349.56
01 71 23 16-0026	EA Mobilization For Drone Survey Stockpile	174.78
01 71 23 16-0027	EA Mobilization For Drone Inspection	174.78
01 71 23 16-0028	EA Mobilization For Qualitative Drone Thermal Inspection.....	349.56
01 71 23 16-0029	EA Mobilization For Quantitative Drone Thermal Inspection	436.95
01 71 23 16-0030	EA Mobilization For Drone Agricultural Multispectral Survey.....	699.12
01 71 23 16-0031	EA Mobilization For Drone Building Inspection/Scan/Thermal.....	524.34
01 71 23 16-0032	EA Mobilization For Drone 3D Modelling	436.95
01 71 23 16-0033	EA Mobilization For Drone Spraying Crops Or Sanitation	786.51
01 71 23 16-0034	EA Mobilization For Drone Video Progression/Marketing	174.78
01 71 23 16-0035	EA Mobilization For Drone Pictures Progression/Marketing	174.78
01 71 23 16-0036	EA Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	174.78
01 71 23 16-0037	EA Mobilization For Drone Accident Reconstruction	174.78
01 71 23 16-0038	EA Mobilization For Drone Landfill Survey	262.17
01 71 23 16-0039	EA Mobilization For Drone Event Security Using Tethered Drones.....	349.56
01 71 23 16-0040	EA Mobilization For Drone Emergency Response.....	873.90
01 71 23 16-0041	EA Mobilization For Drone Cell Tower Inspection	262.17
01 71 23 16-0042	Drone Surveying <small>(01 71 23 16-0020)</small>	
01 71 23 16-0043	HR Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	637.95
	Note: 3 hour minimum	
	<i>For Visual Observation, Add</i>	174.78
	<i>For Additional Manpower, Add</i>	174.78
01 71 23 16-0044	HR > 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	812.73
	<i>For Visual Observation, Add</i>	262.17
	<i>For Additional Manpower, Add</i>	209.74
01 71 23 16-0045	HR Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	524.34
	Note: 3 hour minimum	
	<i>For Visual Observation, Add</i>	174.78
	<i>For Additional Manpower, Add</i>	174.78
01 71 23 16-0046	HR Drone Road Survey For Topography/Progression/Inspection.....	611.73
	Note: 3 hour minimum	
	<i>For Visual Observation, Add</i>	262.17
	<i>For Additional Manpower, Add</i>	174.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0047 HR Drone Survey Stockpile Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	436.95 174.78 174.78	
01 71 23 16-0048 HR Drone Inspection..... Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	611.73 174.78 174.78	
01 71 23 16-0049 HR Qualitative Drone Thermal Inspection..... Note: 5 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	699.12 262.17 174.78	
01 71 23 16-0050 HR Quantitative Drone Thermal Inspection Note: 5 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	1,048.68 262.17 174.78	
01 71 23 16-0051 HR Drone Agricultural Multispectral Survey..... Note: 6 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	786.51 174.78 174.78	
01 71 23 16-0052 HR Drone Building Inspection/Scan/Thermal..... Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	699.12 262.17 174.78	
01 71 23 16-0053 HR Drone 3D Modelling..... Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	524.34 262.17 174.78	
01 71 23 16-0054 HR Drone Spraying Crops Or Sanitation Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	699.12 218.48 174.78	
01 71 23 16-0055 HR Drone Video Progression/Marketing..... Note: 2 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	349.56 174.78 174.78	
01 71 23 16-0056 HR Drone Pictures Progression/Marketing Note: 2 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	262.17 174.78 174.78	
01 71 23 16-0057 HR Drone Training, Flying, Test Prep, Equipment Checks Note: 3 hour minimum	524.34	
01 71 23 16-0058 HR Drone Accident Reconstruction Note: 2 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	786.51 174.78 174.78	
01 71 23 16-0059 HR Drone Landfill Survey Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	637.95 174.78 174.78	
01 71 23 16-0060 HR Drone Event Security Using Tethered Drones..... Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	436.95 174.78 174.78	
01 71 23 16-0061 HR Drone Emergency Response..... Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	436.95 262.17 174.78	
01 71 23 16-0062 HR Drone Cell Tower Inspection Note: 3 hour minimum <i>For Visual Observation, Add</i> <i>For Additional Manpower, Add</i>	436.95 218.48 174.78	
01 71 23 16-0063 Utilization And Deliverables For Drone Surveying (01 71 23 16-0020)		
01 71 23 16-0064 Day Utilization Of GPS Ground Control For Drone Surveying	436.95	
01 71 23 16-0065 Day Utilization Of GPS Base Station Per Day For Drone Surveying.....	436.95	
01 71 23 16-0066 HR Processing And Data Deliverables And Reporting For Drone Surveying..... Note: 2 hour minimum	174.78	
01 71 23 16-0067 HR Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying..... Note: 3 hour minimum	349.56	
01 71 23 16-0068 Travel, Waivers, And Editing For Drone Surveying (01 71 23 16-0020)		
01 71 23 16-0069 MI Travel Over 100 Miles For Drone Surveying..... Note: For additional miles over 100	1.00	
01 71 23 16-0070 EA Overnight Stay Per Person For Drone Surveying	218.48	
01 71 23 16-0071 EA Waiver Utilization B, C, D, And E For Drone Surveying..... Note: Restricted airspace	87.39	
01 71 23 16-0072 EA Night Waiver For Drone Surveying	113.61	
01 71 23 16-0073 EA Flying Over People Waiver For Drone Surveying	174.78	
01 71 23 16-0074 EA Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying.....	873.90	
01 71 23 16-0075 HR Editing Video For Drone Surveying..... Note: 2 hour minimum	174.78	

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 71	Examination and Preparation



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
01 71 23 16-0076	HR	Editing Pictures For Drone Surveying..... Note: 2 hour minimum	87.39	
01 71 23 16-0077	HR	Custom Post Processing For Drone Surveying..... Note: 3 hour minimum	262.17	
01 71 23 16-0078		GPR Bridge Deck And Pavement Inspection (01 71 23 16)		
01 71 23 16-0079		GPR Bridge Deck And Pavement Inspection Mobilization Fee (01 71 23 16-0078) Note: One mobilization per project.		
01 71 23 16-0080	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee.....	3,965.12	
01 71 23 16-0081		Bridge Deck Delamination Survey, GPR Bridge Deck Inspection (01 71 23 16-0078) Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0082	EA	Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	2,925.60	
01 71 23 16-0083	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection.....	1.23	
01 71 23 16-0084	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.98	
01 71 23 16-0085	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.78	
01 71 23 16-0086	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.59	
01 71 23 16-0087	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.47	
01 71 23 16-0088	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.37	
01 71 23 16-0089	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.27	
01 71 23 16-0090		Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection (01 71 23 16-0078) Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0091	EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	975.20	
01 71 23 16-0092	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	
01 71 23 16-0093		Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection (01 71 23 16-0078) Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0094	EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	975.20	
01 71 23 16-0095	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection.....	0.45	
01 71 23 16-0096	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.35	
01 71 23 16-0097	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.27	
01 71 23 16-0098	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.21	
01 71 23 16-0099	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.18	
01 71 23 16-0100	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14	
01 71 23 16-0101	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10	
01 71 23 16-0102		Pavement Structure And Thickness Measurement, GPR Pavement Inspection (01 71 23 16-0078) Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0103	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,251.59	
01 71 23 16-0104	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	3,161.60	
01 71 23 16-0105	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,354.13	
01 71 23 16-0106	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,285.31	
01 71 23 16-0107	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,010.31	
01 71 23 16-0108		Pavement Thickness Contour (Mapping), GPR Pavement Inspection (01 71 23 16-0078) Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0109	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,227.34	
01 71 23 16-0110	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	4,339.64	
01 71 23 16-0111	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,296.18	
01 71 23 16-0112	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,847.03	
01 71 23 16-0113	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,460.85	
01 71 23 16-0114		Pavement Void Detection (Mapping), GPR Pavement Inspection (01 71 23 16-0078) Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0115	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	10,957.35	
01 71 23 16-0116	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,369.45	
01 71 23 16-0117	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,119.24	
01 71 23 16-0118	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,338.53	
01 71 23 16-0119	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,852.88	

01 71 36 Non-Destructive Concrete Examination (01 71)



General Requirements	01	10
Execution and Closeout Requirements	01 70	
Examination and Preparation	01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 36 00-0001	Electromagnetic Survey <small>(01 71 36)</small> Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002	Electromagnetic (SIR/GPR) Survey <small>(01 71 36 00-0001)</small>		
01 71 36 00-0003	EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,128.06	
01 71 36 00-0004	EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,692.09	
01 71 36 00-0005	EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,384.18	
01 71 36 00-0006	Reports And Mapping For Electromagnetic (SIR/GPR) Surveys <small>(01 71 36 00-0001)</small>		
01 71 36 00-0007	EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	376.02	
01 71 36 00-0008	EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	752.04	
01 71 36 00-0009	EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,692.09	
	Note: Includes additions to the owner provided CAD drawing.		

01 74 Cleaning and Waste Management (01 74)

01 74 13	Progress Cleaning <small>(01 74)</small> Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001	General <small>(01 74 13)</small>		
01 74 13 00-0002	CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	22.53	
01 74 13 00-0003	CY Collect Existing Debris And Load Into Truck Or Dumpster	26.45	
	Note: Per CY of debris removed.		

01 74 16	Site Maintenance <small>(01 74)</small>		
01 74 16 00-0001	Parking Lot, Roads And Pathway Maintenance <small>(01 74 16)</small> Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002	Parking Lot, Road, And Street Sweeping <small>(01 74 16 00-0001)</small>		
01 74 16 00-0003	MSF Sweep Parking Lot, With Street Sweeper.....	23.45	
01 74 16 00-0004	MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	28.14	
01 74 16 00-0005	Runway Sweeping <small>(01 74 16 00-0001)</small>		
01 74 16 00-0006	MSF Sweep Runway, With Street Sweep	35.18	

01 74 19	Construction Waste Management and Disposal <small>(01 74)</small> Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001	Debris Chutes <small>(01 74 19)</small> Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002	Steel Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0003	LF 18" Diameter, Steel Temporary Debris Chute.....	42.27	
01 74 19 00-0004	LF 30" Diameter, Steel Temporary Debris Chute.....	64.13	
01 74 19 00-0005	Plastic Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0006	LF 24" Diameter, Plastic Temporary Debris Chute	16.74	
	<i>For Steel Liner, Add</i>	3.29	
01 74 19 00-0007	LF 30" Diameter, Plastic Temporary Debris Chute	19.19	
	<i>For Steel Liner, Add</i>	3.78	
01 74 19 00-0008	LF 36" Diameter, Plastic Temporary Debris Chute	21.63	
	<i>For Steel Liner, Add</i>	4.26	
01 74 19 00-0009	Wood Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0010	LF 4' x 4', Wood Temporary Debris Chute.....	33.05	
	Note: Includes fabrication and installation.		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 19 00-0011	Construction Dumpsters Rental <small>(01 74 19)</small>	
	Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.	
01 74 19 00-0012	EA 10 CY Dumpster (1.5 Ton) "Construction Debris".....	510.28
	Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
	<i>For Each Ton Over Indicated Amount, Add</i>	<i>90.45</i>
01 74 19 00-0013	EA 15 CY Dumpster (2 Ton) "Construction Debris".....	569.64
	Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
	<i>For Each Ton Over Indicated Amount, Add</i>	<i>90.45</i>
01 74 19 00-0014	EA 20 CY Dumpster (3 Ton) "Construction Debris".....	629.05
	Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
	<i>For Each Ton Over Indicated Amount, Add</i>	<i>90.45</i>
01 74 19 00-0015	EA 30 CY Dumpster (4 Ton) "Construction Debris".....	788.97
	Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
	<i>For Each Ton Over Indicated Amount, Add</i>	<i>90.45</i>
01 74 19 00-0016	EA 40 CY Dumpster (6 Ton) "Construction Debris".....	859.50
	Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
	<i>For Each Ton Over Indicated Amount, Add</i>	<i>90.45</i>
01 74 19 00-0017	EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	753.90
	Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	
01 74 19 00-0018	EA 15 CY Low-Boy Dumpster Clean Recyclable.....	822.66
	Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	
01 74 19 00-0019	EA 15 CY Low-Boy Dumpster Mixed Recyclable.....	884.05
	Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	
01 74 19 00-0020	Concrete Washout Service <small>(01 74 19)</small>	
01 74 19 00-0021	MO Rampless Concrete Washout Bin.....	541.35
	Note: Includes delivery.	
01 74 19 00-0022	MO Ramped Concrete Washout Bin.....	649.62
	Note: Includes delivery.	
01 74 19 00-0023	EA Interim Vacuum Service, Concrete Washout Bin.....	621.54
	Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	
01 74 19 00-0024	EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	1,346.67
	Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	
01 74 19 00-0025	Debris Processing Fee <small>(01 74 19)</small>	
01 74 19 00-0026	Material Recycling Fees <small>(01 74 19 00-0025)</small>	
	Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.	
01 74 19 00-0027	CY Drop-Off Asphalt At Recycling Center.....	18.89
01 74 19 00-0028	CY Drop-Off Non-Reinforced Concrete At Recycling Center.....	25.31
01 74 19 00-0029	CY Drop-Off Reinforced Concrete At Recycling Center.....	37.96
01 74 19 00-0030	CY Drop-Off Brick Or Block At Recycling Center.....	32.90
01 74 19 00-0031	CY Drop-Off Dirt At Recycling Center.....	36.69
01 74 19 00-0032	CY Drop-Off Dimensional Lumber At Recycling Center.....	17.71
01 74 19 00-0033	Landfill Dump Fees <small>(01 74 19 00-0025)</small>	
	Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0039 for hauling.	
01 74 19 00-0034	CY Traditional Building Construction Materials Landfill Dump Fee.....	16.84
01 74 19 00-0035	TON Traditional Building Construction Materials, Landfill Dump Fee.....	73.39
01 74 19 00-0036	CY Trees, Stumps And Brush, Landfill Dump Fee.....	20.27
01 74 19 00-0037	CY Hazardous Materials And Rubbish Landfill Dump Fee.....	48.34
	Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	
01 74 19 00-0038	CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee.....	34.35
01 74 19 00-0039	Hauling <small>(01 74 19)</small>	
	Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.	
01 74 19 00-0040	CYM Hauling On Paved Roads, First 15 Miles.....	1.00
01 74 19 00-0041	CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.67
01 74 19 00-0042	CYM Hauling On Unimproved Roads, First 15 Miles.....	1.54
01 74 19 00-0043	CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.20



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 23 Final Cleaning (01 74)

01 74 23 00-0001 Cleaning Of Glass (01 74 23)

01 74 23 00-0002 CSF Cleaning Of Existing Glass Surfaces 30.75

END OF SECTION 01

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

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

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry or Asphalt Assessment ^(02 25)
See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling ^(02 25 16)
See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling and Sampling ^(02 32)
See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001	Mobilization Of Drilling Crew		1,218.53
02 32 13 00-0002	EA	Mobilization Of Drilling Crew.....	
02 32 13 00-0003	Auger Borings ^(02 32 13)		
02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	36.70
02 32 13 00-0005	Cased Borings In Earth, With Samples ^(02 32 13)		
Note: All types of soils.			
02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples.....	94.89
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples.....	162.29
02 32 13 00-0008	Drilling In Rock, BW Core (2.125") ^(02 32 13)		
02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing.....	100.26
Note: Includes sampling.			
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes.....	9.51
02 32 13 00-0011	Drilling In Rock, NW Core (2.98") ^(02 32 13)		
02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing	129.67
Note: Includes sampling.			
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes.....	10.94
02 32 13 00-0014	Test Pits For Boring Activities ^(02 32 13)		
Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.			
02 32 13 00-0015	Backhoe Dug Test Pits ^(02 32 13 00-0014)		
02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	71.12
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	82.97
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	110.63
02 32 13 00-0019	Hand-Dug Test Pits ^(02 32 13 00-0014)		
02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	199.97
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation.....	359.95
02 32 13 00-0022	Shelby Tube Sampling ^(02 32 13)		
02 32 13 00-0023	EA	Shelby Tube Sampling.....	54.32
02 32 13 00-0024	EA	Penetration Test	44.26
02 32 13 00-0025	Grouting ^(02 32 13)		
02 32 13 00-0026	VLF	Boreholes	10.30
02 32 19	Exploratory Excavations ^(02 32)		
02 32 19 00-0001	Hydro Excavation ^(02 32 19)		
Note: Assumes on-site disposal.			
02 32 19 00-0002	EA	Hydro Excavation, Mobilization/Demobilization	172.68
02 32 19 00-0003	EA	Hydro Excavation, Minimum Charge	690.70
Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
02 32 19 00-0004	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)	38.37
Note: Normal soil conditions consist of silt, sand and gravel.			

02	02 Existing Conditions
	02 30 Subsurface Investigation
	02 32 Geotechnical Investigations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 32 19 00-0005	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....	61.39
Note: Adverse soil conditions consist of clay, glacial till and rocks.			

02 40 Demolition and Structure Moving (02)

02 41 Demolition (02 40)

02 41 13 Selective Site Demolition (02 41)

02 41 13 13 Paving Removal (02 41 13)

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

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.49
		<i>For >500 To 1,000, Deduct</i>	-0.75
		<i>For >1,000 To 2,500, Deduct</i>	-1.35
		<i>For >2,500 To 5,000, Deduct</i>	-1.95
		<i>For >5,000 To 10,000, Deduct</i>	-2.55
		<i>For >10,000, Deduct</i>	-3.15
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.24
		<i>For >500 To 1,000, Deduct</i>	-1.12
		<i>For >1,000 To 2,500, Deduct</i>	-2.02
		<i>For >2,500 To 5,000, Deduct</i>	-2.92
		<i>For >5,000 To 10,000, Deduct</i>	-3.82
		<i>For >10,000, Deduct</i>	-4.72
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	14.99
		<i>For >500 To 1,000, Deduct</i>	-1.50
		<i>For >1,000 To 2,500, Deduct</i>	-2.70
		<i>For >2,500 To 5,000, Deduct</i>	-3.90
		<i>For >5,000 To 10,000, Deduct</i>	-5.10
		<i>For >10,000, Deduct</i>	-6.30
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.46
		<i>For >500 To 1,000, Deduct</i>	-1.45
		<i>For >1,000 To 2,500, Deduct</i>	-2.60
		<i>For >2,500 To 5,000, Deduct</i>	-3.76
		<i>For >5,000 To 10,000, Deduct</i>	-4.92
		<i>For >10,000, Deduct</i>	-6.07
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.42
		<i>For >500 To 1,000, Deduct</i>	-2.04
		<i>For >1,000 To 2,500, Deduct</i>	-3.68
		<i>For >2,500 To 5,000, Deduct</i>	-5.31
		<i>For >5,000 To 10,000, Deduct</i>	-6.94
		<i>For >10,000, Deduct</i>	-8.58
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	28.93
		<i>For >500 To 1,000, Deduct</i>	-2.89
		<i>For >1,000 To 2,500, Deduct</i>	-5.21
		<i>For >2,500 To 5,000, Deduct</i>	-7.52
		<i>For >5,000 To 10,000, Deduct</i>	-9.84
		<i>For >10,000, Deduct</i>	-12.15
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	40.84
		<i>For >500 To 1,000, Deduct</i>	-4.08
		<i>For >1,000 To 2,500, Deduct</i>	-7.35
		<i>For >2,500 To 5,000, Deduct</i>	-10.62
		<i>For >5,000 To 10,000, Deduct</i>	-13.89
		<i>For >10,000, Deduct</i>	-17.15
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	53.40
		<i>For >500 To 1,000, Deduct</i>	-5.34
		<i>For >1,000 To 2,500, Deduct</i>	-9.61
		<i>For >2,500 To 5,000, Deduct</i>	-13.88
		<i>For >5,000 To 10,000, Deduct</i>	-18.16
		<i>For >10,000, Deduct</i>	-22.43
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	69.42
		<i>For >500 To 1,000, Deduct</i>	-6.94
		<i>For >1,000 To 2,500, Deduct</i>	-12.50
		<i>For >2,500 To 5,000, Deduct</i>	-18.05
		<i>For >5,000 To 10,000, Deduct</i>	-23.60
		<i>For >10,000, Deduct</i>	-29.16

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.83
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.32
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.08
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0016 SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.92	
02 41 13 13-0017 SF >6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.84	
 02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>		
<small>Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.</small>		
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.15	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.85	
<i>Note: (Around Existing Structures And Obstructions), Add</i>		
For Elevated Slab, Add	8.08	
For >500 To 1,000, Deduct	-1.62	
For >1,000 To 2,500, Deduct	-2.91	
For >2,500 To 5,000, Deduct	-4.20	
For >5,000 To 10,000, Deduct	-5.49	
For >10,000, Deduct	-6.78	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.04	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.61	
<i>Note: (Around Existing Structures And Obstructions), Add</i>		
For Elevated Slab, Add	11.02	
For >500 To 1,000, Deduct	-2.20	
For >1,000 To 2,500, Deduct	-3.97	
For >2,500 To 5,000, Deduct	-5.73	
For >5,000 To 10,000, Deduct	-7.49	
For >10,000, Deduct	-9.26	
02 41 13 13-0021 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving	30.58	
For Elevated Slab, Add	15.29	
For >500 To 1,000, Deduct	-3.06	
For >1,000 To 2,500, Deduct	-5.50	
For >2,500 To 5,000, Deduct	-7.95	
For >5,000 To 10,000, Deduct	-10.40	
For >10,000, Deduct	-12.84	
02 41 13 13-0022 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving	39.90	
For Elevated Slab, Add	19.95	
For >500 To 1,000, Deduct	-3.99	
For >1,000 To 2,500, Deduct	-7.18	
For >2,500 To 5,000, Deduct	-10.37	
For >5,000 To 10,000, Deduct	-13.57	
For >10,000, Deduct	-16.76	
02 41 13 13-0023 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving	55.55	
For Elevated Slab, Add	27.78	
For >500 To 1,000, Deduct	-5.56	
For >1,000 To 2,500, Deduct	-10.00	
For >2,500 To 5,000, Deduct	-14.44	
For >5,000 To 10,000, Deduct	-18.89	
For >10,000, Deduct	-23.33	
02 41 13 13-0024 SY Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	18.57	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.57	
<i>Note: (Around Existing Structures And Obstructions), Add</i>		
For Elevated Slab, Add	9.29	
For >500 To 1,000, Deduct	-1.86	
For >1,000 To 2,500, Deduct	-3.34	
For >2,500 To 5,000, Deduct	-4.83	
For >5,000 To 10,000, Deduct	-6.31	
For >10,000, Deduct	-7.80	
02 41 13 13-0025 SY >3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.30	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.29	
<i>Note: (Around Existing Structures And Obstructions), Add</i>		
For Elevated Slab, Add	12.15	
For >500 To 1,000, Deduct	-2.43	
For >1,000 To 2,500, Deduct	-4.37	
For >2,500 To 5,000, Deduct	-6.32	
For >5,000 To 10,000, Deduct	-8.26	
For >10,000, Deduct	-10.21	
02 41 13 13-0026 SY >6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	43.39	
For Elevated Slab, Add	21.70	
For >500 To 1,000, Deduct	-4.34	
For >1,000 To 2,500, Deduct	-7.81	
For >2,500 To 5,000, Deduct	-11.28	
For >5,000 To 10,000, Deduct	-14.75	
For >10,000, Deduct	-18.22	
02 41 13 13-0027 SY >9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	56.69	
For Elevated Slab, Add	28.35	
For >500 To 1,000, Deduct	-5.67	
For >1,000 To 2,500, Deduct	-10.20	
For >2,500 To 5,000, Deduct	-14.74	
For >5,000 To 10,000, Deduct	-19.27	
For >10,000, Deduct	-23.81	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028	SY		Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	24.65	
			<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	7.40	
			<i>Note: (Around Existing Structures And Obstructions), Add</i>		
			<i>For Elevated Slab, Add</i>	12.33	
			<i>For >500 To 1,000, Deduct</i>	-2.47	
			<i>For >1,000 To 2,500, Deduct</i>	-4.44	
			<i>For >2,500 To 5,000, Deduct</i>	-6.41	
			<i>For >5,000 To 10,000, Deduct</i>	-8.38	
			<i>For >10,000, Deduct</i>	-10.35	
02 41 13 13-0029	SY		>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	31.94	
			<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	9.58	
			<i>Note: (Around Existing Structures And Obstructions), Add</i>		
			<i>For Elevated Slab, Add</i>	15.97	
			<i>For >500 To 1,000, Deduct</i>	-3.19	
			<i>For >1,000 To 2,500, Deduct</i>	-5.75	
			<i>For >2,500 To 5,000, Deduct</i>	-8.30	
			<i>For >5,000 To 10,000, Deduct</i>	-10.86	
			<i>For >10,000, Deduct</i>	-13.41	
02 41 13 13-0030	SY		>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	52.94	
			<i>For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add</i>	15.88	
			<i>Note: (Around Existing Structures And Obstructions), Add</i>		
			<i>For Elevated Slab, Add</i>	26.47	
			<i>For >500 To 1,000, Deduct</i>	-5.29	
			<i>For >1,000 To 2,500, Deduct</i>	-9.53	
			<i>For >2,500 To 5,000, Deduct</i>	-13.76	
			<i>For >5,000 To 10,000, Deduct</i>	-18.00	
			<i>For >10,000, Deduct</i>	-22.23	
02 41 13 13-0031	SY		Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	26.73	
			<i>For Elevated Slab, Add</i>	13.37	
			<i>For >500 To 1,000, Deduct</i>	-2.67	
			<i>For >1,000 To 2,500, Deduct</i>	-4.81	
			<i>For >2,500 To 5,000, Deduct</i>	-6.95	
			<i>For >5,000 To 10,000, Deduct</i>	-9.09	
			<i>For >10,000, Deduct</i>	-11.23	
02 41 13 13-0032	SY		>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	34.36	
			<i>For Elevated Slab, Add</i>	17.18	
			<i>For >500 To 1,000, Deduct</i>	-3.44	
			<i>For >1,000 To 2,500, Deduct</i>	-6.18	
			<i>For >2,500 To 5,000, Deduct</i>	-8.93	
			<i>For >5,000 To 10,000, Deduct</i>	-11.68	
			<i>For >10,000, Deduct</i>	-14.43	
02 41 13 13-0033	SY		>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	61.44	
			<i>For Elevated Slab, Add</i>	30.72	
			<i>For >500 To 1,000, Deduct</i>	-6.14	
			<i>For >1,000 To 2,500, Deduct</i>	-11.06	
			<i>For >2,500 To 5,000, Deduct</i>	-15.97	
			<i>For >5,000 To 10,000, Deduct</i>	-20.89	
			<i>For >10,000, Deduct</i>	-25.80	
02 41 13 13-0034	SY		>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	80.19	
			<i>For Elevated Slab, Add</i>	40.10	
			<i>For >500 To 1,000, Deduct</i>	-8.02	
			<i>For >1,000 To 2,500, Deduct</i>	-14.43	
			<i>For >2,500 To 5,000, Deduct</i>	-20.85	
			<i>For >5,000 To 10,000, Deduct</i>	-27.26	
			<i>For >10,000, Deduct</i>	-33.68	
02 41 13 13-0035	SY		>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	104.84	
			<i>For Elevated Slab, Add</i>	52.42	
			<i>For >500 To 1,000, Deduct</i>	-10.48	
			<i>For >1,000 To 2,500, Deduct</i>	-18.87	
			<i>For >2,500 To 5,000, Deduct</i>	-27.26	
			<i>For >5,000 To 10,000, Deduct</i>	-35.65	
			<i>For >10,000, Deduct</i>	-44.03	
02 41 13 13-0036	SY		>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	127.23	
			<i>For Elevated Slab, Add</i>	63.62	
			<i>For >500 To 1,000, Deduct</i>	-12.72	
			<i>For >1,000 To 2,500, Deduct</i>	-22.90	
			<i>For >2,500 To 5,000, Deduct</i>	-33.08	
			<i>For >5,000 To 10,000, Deduct</i>	-43.26	
			<i>For >10,000, Deduct</i>	-53.44	
02 41 13 13-0037			By Hand, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>		
			<i>Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.</i>		
02 41 13 13-0038	SF		Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	4.09	
02 41 13 13-0039	SF		>3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	5.39	
02 41 13 13-0040	SF		>6" To 9" By Hand, Break-up And Remove Bituminous Paving.....	7.00	
02 41 13 13-0041	SF		Up To 3" By Hand, Break-up And Remove Concrete Paving.....	5.12	
02 41 13 13-0042	SF		>3" To 6" By Hand, Break-up And Remove Concrete Paving.....	7.07	
02 41 13 13-0043	SF		>6" To 9" By Hand, Break-up And Remove Concrete Paving.....	9.04	
02 41 13 13-0044	SF		Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	7.17	
02 41 13 13-0045	SF		>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	9.89	
02 41 13 13-0046	SF		>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	12.66	



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

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 13 13-0047	Grind Concrete <small>(02 41 13 13)</small>	
02 41 13 13-0048	EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard).....	252.00
	Note: For each location up to 5' wide, feather up to 12" each direction.	
	<i>For >1/2" To 1" Depth Of Grinding, Add</i>	37.80
	<i>For >1" To 1-1/2" Depth Of Grinding, Add</i>	63.00
	<i>For Up To 5, Add</i>	50.40
	<i>For >5 To 10, Add</i>	25.20
	<i>For >25 To 50, Deduct</i>	-25.20
	<i>For >50 To 250, Deduct</i>	-37.80
	<i>For >250, Deduct</i>	-50.40
	<i>For Sidewalks >5', Add</i>	25.20
	<i>For Up To 12" Additional Feathering Per Side, Add</i>	25.20

02 41 13 15	Hydro Demolition <small>(02 41 13)</small>	
02 41 13 15-0001	Hydro Demolition Of Concrete Pavement <small>(02 41 13 15)</small>	
	Note: Includes removal but excludes disposal of concrete.	
02 41 13 15-0002	SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.96
02 41 13 15-0003	SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	9.96
02 41 13 15-0004	SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	13.32
02 41 13 15-0005	SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	26.51

02 41 16	Structure Demolition <small>(02 41)</small>	
02 41 16 13	Building Demolition <small>(02 41 16)</small>	
02 41 16 13-0001	Building Interior Demolition <small>(02 41 16 13)</small>	
	Note: Guttled and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.	
02 41 16 13-0002	GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.07
02 41 16 13-0003	GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	12.21
02 41 16 13-0004	GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	9.99
02 41 16 13-0005	GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.88

02 41 16 13-0006	Commercial And Residential Structures Demolition <small>(02 41 16 13)</small>	
	Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.	

02 41 16 13-0007	Steel Framed Building Demolition <small>(02 41 16 13-0006)</small>	
	Note: Includes masonry partitions and concrete decks.	
02 41 16 13-0008	CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition	75.72
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i>	-5.68
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i>	-11.36
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i>	-17.04
	<i>For Up To 500, Add</i>	22.72
	<i>For >500 To 1,000, Add</i>	15.14
	<i>For >1,000 To 2,000, Add</i>	7.57
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	24.99
	<i>For No Interior Partitions, Deduct</i>	-18.93
02 41 16 13-0009	CCF By Machine, Steel Framed Building Demolition	47.66
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i>	-3.57
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i>	-7.15
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i>	-10.72
	<i>For Up To 500, Add</i>	14.30
	<i>For >500 To 1,000, Add</i>	9.53
	<i>For >1,000 To 2,000, Add</i>	4.77
	<i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i>	7.15
	<i>For Work >6 Stories To 10 Stories (Exclude Volume Below), Add</i>	11.92
	<i>For Work >10 Stories To 15 Stories (Exclude Volume Below), Add</i>	16.68
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	15.73
	<i>For No Interior Partitions, Deduct</i>	-11.92

02 41 16 13-0010	Reinforced Concrete Building Demolition <small>(02 41 16 13-0006)</small>	
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02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition		95.02
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-7.13	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-14.25	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-21.38	
For Up To 500, Add	28.51	
For >500 To 1,000, Add	19.00	
For >1,000 To 2,000, Add	9.50	
For Volume Of Area Within 15' To An Adjacent Building, Add	31.36	
For No Interior Partitions, Deduct	-23.76	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition.....		62.92
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.72	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.44	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-14.16	
For Up To 500, Add	18.88	
For >500 To 1,000, Add	12.58	
For >1,000 To 2,000, Add	6.29	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	9.44	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	15.73	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	22.02	
For Volume Of Area Within 15' To An Adjacent Building, Add	20.76	
For No Interior Partitions, Deduct	-15.73	
02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)		66.78
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition		66.78
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.01	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-10.02	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-15.03	
For Up To 500, Add	20.03	
For >500 To 1,000, Add	13.36	
For >1,000 To 2,000, Add	6.68	
For Volume Of Area Within 15' To An Adjacent Building, Add	22.04	
For No Interior Partitions, Deduct	-16.70	
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition.....		42.76
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.21	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.41	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-9.62	
For Up To 500, Add	12.83	
For >500 To 1,000, Add	8.55	
For >1,000 To 2,000, Add	4.28	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.41	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	10.69	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	14.97	
For Volume Of Area Within 15' To An Adjacent Building, Add	14.11	
For No Interior Partitions, Deduct	-10.69	
02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)		58.03
02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition		58.03
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.35	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.70	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-13.06	
For Up To 500, Add	17.41	
For >500 To 1,000, Add	11.61	
For >1,000 To 2,000, Add	5.80	
For Volume Of Area Within 15' To An Adjacent Building, Add	19.15	
For No Interior Partitions, Deduct	-14.51	
02 41 16 13-0018 CCF By Machine, Wood Frame Construction Building Demolition.....		36.59
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.74	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.49	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.23	
For Up To 500, Add	10.98	
For >500 To 1,000, Add	7.32	
For >1,000 To 2,000, Add	3.66	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.49	
For Volume Of Area Within 15' To An Adjacent Building, Add	12.07	
For No Interior Partitions, Deduct	-9.15	
02 41 16 13-0019 Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)		9.89
Note: Per building volume.		
02 41 16 13-0020 CCF Sorting Of Material Debris For Recycling Prior To Hauling Off		9.89
For Up To 500, Add	2.97	
For >500 To 1,000, Add	1.98	
For >1,000 To 2,000, Add	0.99	
02 41 16 13-0021 Foundation Demolition (02 41 16 13)		
Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.		
02 41 16 13-0022 Concrete Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0023 CF Non-Reinforced Concrete Foundation Demolition		15.44
For >135 To 405, Deduct	-1.35	
For >405 To 810, Deduct	-2.70	
For >810 To 2025, Deduct	-3.86	
For >2025, Deduct	-6.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0024 CF Reinforced Concrete Foundation Demolition	18.53	
<i>For >135 To 405, Deduct</i>	-1.62	
<i>For >405 To 810, Deduct</i>	-3.24	
<i>For >810 To 2025, Deduct</i>	-4.63	
<i>For >2025, Deduct</i>	-7.41	
02 41 16 13-0025 Concrete Foundation Wall Demolition <small>(02 41 16 13-0021)</small>		
02 41 16 13-0026 SF 4" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	6.62	
<i>For >500 To 2,000, Deduct</i>	-0.50	
<i>For >2,000 To 6,000, Deduct</i>	-1.32	
<i>For >6,000 To 8,000, Deduct</i>	-2.32	
<i>For >8,000, Deduct</i>	-3.64	
02 41 16 13-0027 SF 6" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	8.82	
<i>For >500 To 2,000, Deduct</i>	-0.66	
<i>For >2,000 To 6,000, Deduct</i>	-1.76	
<i>For >6,000 To 8,000, Deduct</i>	-3.09	
<i>For >8,000, Deduct</i>	-4.85	
02 41 16 13-0028 SF 8" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	11.03	
<i>For >500 To 2,000, Deduct</i>	-0.83	
<i>For >2,000 To 6,000, Deduct</i>	-2.21	
<i>For >6,000 To 8,000, Deduct</i>	-3.86	
<i>For >8,000, Deduct</i>	-6.07	
02 41 16 13-0029 SF 10" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	13.23	
<i>For >500 To 2,000, Deduct</i>	-0.99	
<i>For >2,000 To 6,000, Deduct</i>	-2.65	
<i>For >6,000 To 8,000, Deduct</i>	-4.63	
<i>For >8,000, Deduct</i>	-7.28	
02 41 16 13-0030 SF 12" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	15.44	
<i>For >500 To 2,000, Deduct</i>	-1.16	
<i>For >2,000 To 6,000, Deduct</i>	-3.09	
<i>For >6,000 To 8,000, Deduct</i>	-5.40	
<i>For >8,000, Deduct</i>	-8.49	
02 41 16 13-0031 SF 16" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	17.65	
<i>For >500 To 2,000, Deduct</i>	-1.32	
<i>For >2,000 To 6,000, Deduct</i>	-3.53	
<i>For >6,000 To 8,000, Deduct</i>	-6.18	
<i>For >8,000, Deduct</i>	-9.71	
02 41 16 13-0032 SF 4" Thick Reinforced Concrete Foundation Wall Demolition	7.94	
<i>For >500 To 2,000, Deduct</i>	-0.60	
<i>For >2,000 To 6,000, Deduct</i>	-1.59	
<i>For >6,000 To 8,000, Deduct</i>	-2.78	
<i>For >8,000, Deduct</i>	-4.37	
02 41 16 13-0033 SF 6" Thick Reinforced Concrete Foundation Wall Demolition	10.59	
<i>For >500 To 2,000, Deduct</i>	-0.79	
<i>For >2,000 To 6,000, Deduct</i>	-2.12	
<i>For >6,000 To 8,000, Deduct</i>	-3.71	
<i>For >8,000, Deduct</i>	-5.82	
02 41 16 13-0034 SF 8" Thick Reinforced Concrete Foundation Wall Demolition	13.23	
<i>For >500 To 2,000, Deduct</i>	-0.99	
<i>For >2,000 To 6,000, Deduct</i>	-2.65	
<i>For >6,000 To 8,000, Deduct</i>	-4.63	
<i>For >8,000, Deduct</i>	-7.28	
02 41 16 13-0035 SF 10" Thick Reinforced Concrete Foundation Wall Demolition	15.65	
<i>For >500 To 2,000, Deduct</i>	-1.17	
<i>For >2,000 To 6,000, Deduct</i>	-3.13	
<i>For >6,000 To 8,000, Deduct</i>	-5.48	
<i>For >8,000, Deduct</i>	-8.61	
02 41 16 13-0036 SF 12" Thick Reinforced Concrete Foundation Wall Demolition	18.53	
<i>For >500 To 2,000, Deduct</i>	-1.39	
<i>For >2,000 To 6,000, Deduct</i>	-3.71	
<i>For >6,000 To 8,000, Deduct</i>	-6.49	
<i>For >8,000, Deduct</i>	-10.19	
02 41 16 13-0037 SF 16" Thick Reinforced Concrete Foundation Wall Demolition	21.17	
<i>For >500 To 2,000, Deduct</i>	-1.59	
<i>For >2,000 To 6,000, Deduct</i>	-4.23	
<i>For >6,000 To 8,000, Deduct</i>	-7.41	
<i>For >8,000, Deduct</i>	-11.64	
02 41 16 13-0038 Concrete Block Foundation Wall Demolition <small>(02 41 16 13-0021)</small>		
02 41 16 13-0039 SF 4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	4.85	
<i>For >500 To 2,000, Deduct</i>	-0.36	
<i>For >2,000 To 6,000, Deduct</i>	-0.97	
<i>For >6,000 To 8,000, Deduct</i>	-1.70	
<i>For >8,000, Deduct</i>	-2.67	
02 41 16 13-0040 SF 6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	5.18	
<i>For >500 To 2,000, Deduct</i>	-0.39	
<i>For >2,000 To 6,000, Deduct</i>	-1.04	
<i>For >6,000 To 8,000, Deduct</i>	-1.81	
<i>For >8,000, Deduct</i>	-2.85	
02 41 16 13-0041 SF 8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	5.84	
<i>For >500 To 2,000, Deduct</i>	-0.44	
<i>For >2,000 To 6,000, Deduct</i>	-1.17	
<i>For >6,000 To 8,000, Deduct</i>	-2.04	
<i>For >8,000, Deduct</i>	-3.21	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0042	SF		10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.73	
			<i>For >500 To 2,000, Deduct</i>	-0.50	
			<i>For >2,000 To 6,000, Deduct</i>	-1.35	
			<i>For >6,000 To 8,000, Deduct</i>	-2.36	
			<i>For >8,000, Deduct</i>	-3.70	
02 41 16 13-0043	SF		12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.50	
			<i>For >500 To 2,000, Deduct</i>	-0.56	
			<i>For >2,000 To 6,000, Deduct</i>	-1.50	
			<i>For >6,000 To 8,000, Deduct</i>	-2.63	
			<i>For >8,000, Deduct</i>	-4.13	
02 41 16 13-0044	SF		16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	9.38	
			<i>For >500 To 2,000, Deduct</i>	-0.70	
			<i>For >2,000 To 6,000, Deduct</i>	-1.88	
			<i>For >6,000 To 8,000, Deduct</i>	-3.28	
			<i>For >8,000, Deduct</i>	-5.16	
02 41 16 13-0045	SF		4" Thick Reinforced Concrete Block Foundation Wall Demolition	5.82	
			<i>For >500 To 2,000, Deduct</i>	-0.44	
			<i>For >2,000 To 6,000, Deduct</i>	-1.16	
			<i>For >6,000 To 8,000, Deduct</i>	-2.04	
			<i>For >8,000, Deduct</i>	-3.20	
02 41 16 13-0046	SF		6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.22	
			<i>For >500 To 2,000, Deduct</i>	-0.47	
			<i>For >2,000 To 6,000, Deduct</i>	-1.24	
			<i>For >6,000 To 8,000, Deduct</i>	-2.18	
			<i>For >8,000, Deduct</i>	-3.42	
02 41 16 13-0047	SF		8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.01	
			<i>For >500 To 2,000, Deduct</i>	-0.53	
			<i>For >2,000 To 6,000, Deduct</i>	-1.40	
			<i>For >6,000 To 8,000, Deduct</i>	-2.45	
			<i>For >8,000, Deduct</i>	-3.86	
02 41 16 13-0048	SF		10" Thick Reinforced Concrete Block Foundation Wall Demolition	8.08	
			<i>For >500 To 2,000, Deduct</i>	-0.61	
			<i>For >2,000 To 6,000, Deduct</i>	-1.62	
			<i>For >6,000 To 8,000, Deduct</i>	-2.83	
			<i>For >8,000, Deduct</i>	-4.44	
02 41 16 13-0049	SF		12" Thick Reinforced Concrete Block Foundation Wall Demolition	9.00	
			<i>For >500 To 2,000, Deduct</i>	-0.68	
			<i>For >2,000 To 6,000, Deduct</i>	-1.80	
			<i>For >6,000 To 8,000, Deduct</i>	-3.15	
			<i>For >8,000, Deduct</i>	-4.95	
02 41 16 13-0050	SF		16" Thick Reinforced Concrete Block Foundation Wall Demolition	11.25	
			<i>For >500 To 2,000, Deduct</i>	-0.84	
			<i>For >2,000 To 6,000, Deduct</i>	-2.25	
			<i>For >6,000 To 8,000, Deduct</i>	-3.94	
			<i>For >8,000, Deduct</i>	-6.19	
02 41 16 13-0051			Brick Foundation Wall Demolition (02 41 16 13-0021)	4.85	
02 41 16 13-0052	SF		4" Thick Brick Foundation Wall Demolition	4.85	
			<i>For >500 To 2,000, Deduct</i>	-0.36	
			<i>For >2,000 To 6,000, Deduct</i>	-0.97	
			<i>For >6,000 To 8,000, Deduct</i>	-1.70	
			<i>For >8,000, Deduct</i>	-2.67	
02 41 16 13-0053	SF		6" Thick Brick Foundation Wall Demolition	5.18	
			<i>For >500 To 2,000, Deduct</i>	-0.39	
			<i>For >2,000 To 6,000, Deduct</i>	-1.04	
			<i>For >6,000 To 8,000, Deduct</i>	-1.81	
			<i>For >8,000, Deduct</i>	-2.85	
02 41 16 13-0054	SF		8" Thick Brick Foundation Wall Demolition	5.84	
			<i>For >500 To 2,000, Deduct</i>	-0.44	
			<i>For >2,000 To 6,000, Deduct</i>	-1.17	
			<i>For >6,000 To 8,000, Deduct</i>	-2.04	
			<i>For >8,000, Deduct</i>	-3.21	
02 41 16 13-0055	SF		10" Thick Brick Foundation Wall Demolition	6.73	
			<i>For >500 To 2,000, Deduct</i>	-0.50	
			<i>For >2,000 To 6,000, Deduct</i>	-1.35	
			<i>For >6,000 To 8,000, Deduct</i>	-2.36	
			<i>For >8,000, Deduct</i>	-3.70	
02 41 16 13-0056	SF		12" Thick Brick Foundation Wall Demolition	7.50	
			<i>For >500 To 2,000, Deduct</i>	-0.56	
			<i>For >2,000 To 6,000, Deduct</i>	-1.50	
			<i>For >6,000 To 8,000, Deduct</i>	-2.63	
			<i>For >8,000, Deduct</i>	-4.13	
02 41 16 13-0057	SF		16" Thick Brick Foundation Wall Demolition	9.38	
			<i>For >500 To 2,000, Deduct</i>	-0.70	
			<i>For >2,000 To 6,000, Deduct</i>	-1.88	
			<i>For >6,000 To 8,000, Deduct</i>	-3.28	
			<i>For >8,000, Deduct</i>	-5.16	
02 41 16 13-0058			Stone Foundation Demolition (02 41 16 13-0021)	15.44	
02 41 16 13-0059	CF		Stone Footing Or Foundation Wall Demolition	15.44	
			<i>For >135 To 405, Deduct</i>	-1.35	
			<i>For >405 To 810, Deduct</i>	-2.70	
			<i>For >810 To 2025, Deduct</i>	-3.86	
			<i>For >2025, Deduct</i>	-6.18	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 16 13-0060	Other Foundation Demolition <small>(02 41 16 13-0021)</small>		
02 41 16 13-0061	CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition	16.18	
	Note: Includes excavation.		
	For >135 To 405, Deduct		-1.42
	For >405 To 810, Deduct		-2.83
	For >810 To 2025, Deduct		-4.05
	For >2025, Deduct		-6.47

02 41 19 Selective Demolition (02 41)

02 41 19 13 Selective Building Demolition (02 41 19)

02 41 19 13-0001	Saw Cutting <small>(02 41 19 13)</small>		
	Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	EA Saw Cut Minimum Charge	1,120.70	
	Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0003	LF Bituminous Paving Up To 4" Depth, Saw Cut	2.37	
	For Each Additional Pass (Depth To 3"), Add	0.92	
	For >250, Deduct	-0.23	
02 41 19 13-0004	LF Brick Masonry Up To 4" Depth, Saw Cut	8.98	
	For Each Additional Pass (Depth To 3"), Add	3.56	
	For >250, Deduct	-0.89	
02 41 19 13-0005	LF Concrete Block Up To 4" Depth, Saw Cut	8.12	
	For Each Additional Pass (Depth To 3"), Add	3.22	
	For >250, Deduct	-0.80	
02 41 19 13-0006	LF Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.71	
	For Each Additional Pass (Depth To 3"), Add	1.05	
	For >250, Deduct	-0.26	
02 41 19 13-0007	LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.58	
	For Each Additional Pass (Depth To 3"), Add	1.39	
	For >250, Deduct	-0.34	
02 41 19 13-0008	LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	5.95	
	For Each Additional Pass (Depth To 3"), Add	2.33	
	For >250, Deduct	-0.58	
02 41 19 13-0009	LF Plain Concrete Walls Up To 4" Depth, Saw Cut	11.49	
	For Each Additional Pass (Depth To 3"), Add	4.56	
	For >250, Deduct	-1.14	
02 41 19 13-0010	LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	15.44	
	For Each Additional Pass (Depth To 3"), Add	6.13	
	For >250, Deduct	-1.53	
02 41 19 13-0011	LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.14	
	For Each Additional Pass (Depth To 3"), Add	1.13	
	For >250, Deduct	-0.27	
02 41 19 13-0012	LF Igneous Stone Pavements Up To 4" Depth, Saw Cut	8.14	
	For Each Additional Pass (Depth To 3"), Add	3.22	
	For >250, Deduct	-0.80	
02 41 19 13-0013	LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.14	
	For Each Additional Pass (Depth To 3"), Add	3.22	
	For >250, Deduct	-0.80	
02 41 19 13-0014	LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	8.14	
	For Each Additional Pass (Depth To 3"), Add	3.22	
	For >250, Deduct	-0.80	
02 41 19 13-0015	LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.14	
	For Each Additional Pass (Depth To 3"), Add	3.22	
	For >250, Deduct	-0.80	

02 41 19 13-0016 Torch Cutting (02 41 19 13)

	Note: Includes grinding edge		
02 41 19 13-0017	LF Up To 1/2", Torch Cut Steel Plate	3.02	
02 41 19 13-0018	LF >1/2" To 1" Thick, Torch Cut Steel Plate	6.06	
02 41 19 13-0019	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate	9.08	
02 41 19 13-0020	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate	12.11	
02 41 19 13-0021	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate	15.13	
02 41 19 13-0022	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate	18.16	
02 41 19 13-0023	EA Torch Cutting Minimum Charge	999.06	
	Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

02 41 19 13-0024 Drilling In Existing Materials (02 41 19 13)

Note: Includes drill bit wear, water, layout, set-up and clean-up.

02 41 19 13-0025 Concrete Core Drilling (02 41 19 13-0024)

02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0027	EA		Drill 1" Diameter Core In Up To 4" Concrete.....	44.09	
			<i>For Horizontal Cores, Add</i>	8.72	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.44	
02 41 19 13-0028	EA		Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	48.92	
			<i>For Horizontal Cores, Add</i>	9.69	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.37	
02 41 19 13-0029	EA		Drill 2" Diameter Core In Up To 4" Concrete.....	54.31	
			<i>For Horizontal Cores, Add</i>	10.76	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.53	
02 41 19 13-0030	EA		Drill 3" Diameter Core In Up To 4" Concrete.....	77.55	
			<i>For Horizontal Cores, Add</i>	15.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.76	
02 41 19 13-0031	EA		Drill 4" Diameter Core In Up To 4" Concrete.....	103.91	
			<i>For Horizontal Cores, Add</i>	20.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.21	
02 41 19 13-0032	EA		Drill 6" Diameter Core In Up To 4" Concrete.....	116.45	
			<i>For Horizontal Cores, Add</i>	23.07	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.14	
02 41 19 13-0033	EA		Drill 8" Diameter Core In Up To 4" Concrete.....	186.07	
			<i>For Horizontal Cores, Add</i>	36.91	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.82	
02 41 19 13-0034	EA		Drill 10" Diameter Core In Up To 4" Concrete.....	232.76	
			<i>For Horizontal Cores, Add</i>	46.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	92.27	
02 41 19 13-0035	EA		Drill 12" Diameter Core In Up To 4" Concrete.....	271.63	
			<i>For Horizontal Cores, Add</i>	53.83	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	107.66	
02 41 19 13-0036	EA		Drill 14" Diameter Core In Up To 4" Concrete.....	310.52	
			<i>For Horizontal Cores, Add</i>	61.51	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.02	
02 41 19 13-0037	EA		Drill 18" Diameter Core In Up To 4" Concrete.....	349.79	
			<i>For Horizontal Cores, Add</i>	69.20	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	138.39	
02 41 19 13-0038			>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0039	EA		Drill 1" Diameter Core In >4" To 6" Concrete.....	63.03	
			<i>For Horizontal Cores, Add</i>	12.46	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.91	
02 41 19 13-0040	EA		Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	69.94	
			<i>For Horizontal Cores, Add</i>	13.84	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.68	
02 41 19 13-0041	EA		Drill 2" Diameter Core In >4" To 6" Concrete.....	77.63	
			<i>For Horizontal Cores, Add</i>	15.38	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.75	
02 41 19 13-0042	EA		Drill 3" Diameter Core In >4" To 6" Concrete.....	93.30	
			<i>For Horizontal Cores, Add</i>	18.45	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.91	
02 41 19 13-0043	EA		Drill 4" Diameter Core In >4" To 6" Concrete.....	116.70	
			<i>For Horizontal Cores, Add</i>	23.07	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.14	
02 41 19 13-0044	EA		Drill 6" Diameter Core In >4" To 6" Concrete.....	155.48	
			<i>For Horizontal Cores, Add</i>	30.76	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.52	
02 41 19 13-0045	EA		Drill 8" Diameter Core In >4" To 6" Concrete.....	232.99	
			<i>For Horizontal Cores, Add</i>	46.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	92.27	
02 41 19 13-0046	EA		Drill 10" Diameter Core In >4" To 6" Concrete.....	272.25	
			<i>For Horizontal Cores, Add</i>	53.83	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	107.66	
02 41 19 13-0047	EA		Drill 12" Diameter Core In >4" To 6" Concrete.....	311.28	
			<i>For Horizontal Cores, Add</i>	61.51	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.02	
02 41 19 13-0048	EA		Drill 14" Diameter Core In >4" To 6" Concrete.....	350.51	
			<i>For Horizontal Cores, Add</i>	69.20	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	138.39	
02 41 19 13-0049	EA		Drill 18" Diameter Core In >4" To 6" Concrete.....	390.32	
			<i>For Horizontal Cores, Add</i>	76.89	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	153.78	
02 41 19 13-0050			>6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0051	EA		Drill 1" Diameter Core In >6" To 8" Concrete.....	69.53	
			<i>For Horizontal Cores, Add</i>	13.70	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.40	
02 41 19 13-0052	EA		Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	77.14	
			<i>For Horizontal Cores, Add</i>	15.22	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.45	
02 41 19 13-0053	EA		Drill 2" Diameter Core In >6" To 8" Concrete.....	85.61	
			<i>For Horizontal Cores, Add</i>	16.92	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.84	
02 41 19 13-0054	EA		Drill 3" Diameter Core In >6" To 8" Concrete.....	101.36	
			<i>For Horizontal Cores, Add</i>	19.99	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0055 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	132.54	
<i>For Horizontal Cores, Add</i>	26.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.28	
02 41 19 13-0056 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	186.82	
<i>For Horizontal Cores, Add</i>	36.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.82	
02 41 19 13-0057 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	310.64	
<i>For Horizontal Cores, Add</i>	61.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.02	
02 41 19 13-0058 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	350.12	
<i>For Horizontal Cores, Add</i>	69.20	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	138.39	
02 41 19 13-0059 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	389.41	
<i>For Horizontal Cores, Add</i>	76.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	153.78	
02 41 19 13-0060 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	428.92	
<i>For Horizontal Cores, Add</i>	84.56	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	169.13	
02 41 19 13-0061 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	469.29	
<i>For Horizontal Cores, Add</i>	92.27	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	184.54	
02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling <small>(02 41 19 13-0025)</small>		
02 41 19 13-0063 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	82.25	
<i>For Horizontal Cores, Add</i>	16.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.39	
02 41 19 13-0064 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	91.24	
<i>For Horizontal Cores, Add</i>	17.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.98	
02 41 19 13-0065 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	101.24	
<i>For Horizontal Cores, Add</i>	19.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.98	
02 41 19 13-0066 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	117.11	
<i>For Horizontal Cores, Add</i>	23.07	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.14	
02 41 19 13-0067 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	133.02	
<i>For Horizontal Cores, Add</i>	26.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.28	
02 41 19 13-0068 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	187.39	
<i>For Horizontal Cores, Add</i>	36.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.82	
02 41 19 13-0069 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	311.42	
<i>For Horizontal Cores, Add</i>	61.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.02	
02 41 19 13-0070 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	351.15	
<i>For Horizontal Cores, Add</i>	69.20	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	138.39	
02 41 19 13-0071 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	390.58	
<i>For Horizontal Cores, Add</i>	76.88	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	153.75	
02 41 19 13-0072 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	430.48	
<i>For Horizontal Cores, Add</i>	84.56	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	169.13	
02 41 19 13-0073 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	471.24	
<i>For Horizontal Cores, Add</i>	92.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	184.50	
02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling <small>(02 41 19 13-0025)</small>		
02 41 19 13-0075 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	88.75	
<i>For Horizontal Cores, Add</i>	17.44	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.88	
02 41 19 13-0076 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	98.43	
<i>For Horizontal Cores, Add</i>	19.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.75	
02 41 19 13-0077 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	109.21	
<i>For Horizontal Cores, Add</i>	21.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.06	
02 41 19 13-0078 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	117.48	
<i>For Horizontal Cores, Add</i>	23.07	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.14	
02 41 19 13-0079 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	156.57	
<i>For Horizontal Cores, Add</i>	30.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.52	
02 41 19 13-0080 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	203.36	
<i>For Horizontal Cores, Add</i>	39.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	79.98	
02 41 19 13-0081 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	327.61	
<i>For Horizontal Cores, Add</i>	64.59	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.18	
02 41 19 13-0082 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	352.18	
<i>For Horizontal Cores, Add</i>	69.20	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	138.39	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
02 41 19 13-0083	EA	Drill 12" Diameter Core In >10" To 12" Concrete	407.31	
		<i>For Horizontal Cores, Add</i>	79.97	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	159.95	
02 41 19 13-0084		>12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0085	IN	Drill 1" Diameter Core In >12" Concrete	10.79	
		<i>For Horizontal Cores, Add</i>	2.13	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.26	
02 41 19 13-0086	IN	Drill 1-1/2" Diameter Core In >12" Concrete	11.97	
		<i>For Horizontal Cores, Add</i>	2.37	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.74	
02 41 19 13-0087	IN	Drill 2" Diameter Core In >12" Concrete	13.29	
		<i>For Horizontal Cores, Add</i>	2.63	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.26	
02 41 19 13-0088	IN	Drill 3" Diameter Core In >12" Concrete	14.59	
		<i>For Horizontal Cores, Add</i>	2.88	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.76	
02 41 19 13-0089	IN	Drill 4" Diameter Core In >12" Concrete	19.45	
		<i>For Horizontal Cores, Add</i>	3.84	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.69	
02 41 19 13-0090	IN	Drill 6" Diameter Core In >12" Concrete	25.29	
		<i>For Horizontal Cores, Add</i>	5.00	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.00	
02 41 19 13-0091	IN	Drill 8" Diameter Core In >12" Concrete	40.80	
		<i>For Horizontal Cores, Add</i>	8.08	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.16	
02 41 19 13-0092	IN	Drill 10" Diameter Core In >12" Concrete	43.95	
		<i>For Horizontal Cores, Add</i>	8.69	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.37	
02 41 19 13-0093	IN	Drill 12" Diameter Core In >12" Concrete	50.63	
		<i>For Horizontal Cores, Add</i>	10.00	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.00	
02 41 19 13-0094		Brick/Concrete Block Core Drilling (02 41 19 13-0024)		
02 41 19 13-0095		Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0096	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	35.38	
		<i>For Horizontal Cores, Add</i>	6.98	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.96	
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	39.23	
		<i>For Horizontal Cores, Add</i>	7.75	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.50	
02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	43.55	
		<i>For Horizontal Cores, Add</i>	8.61	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.22	
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	62.18	
		<i>For Horizontal Cores, Add</i>	12.30	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.61	
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	83.31	
		<i>For Horizontal Cores, Add</i>	16.49	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.97	
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	93.38	
		<i>For Horizontal Cores, Add</i>	18.45	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.91	
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	149.16	
		<i>For Horizontal Cores, Add</i>	29.53	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	59.06	
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	186.63	
		<i>For Horizontal Cores, Add</i>	36.91	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.82	
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	217.80	
		<i>For Horizontal Cores, Add</i>	43.06	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	86.12	
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	249.01	
		<i>For Horizontal Cores, Add</i>	49.21	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.42	
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	280.59	
		<i>For Horizontal Cores, Add</i>	55.36	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.71	
02 41 19 13-0107		>4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0108	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	50.57	
		<i>For Horizontal Cores, Add</i>	9.96	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.93	
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	56.10	
		<i>For Horizontal Cores, Add</i>	11.07	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.14	
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	62.25	
		<i>For Horizontal Cores, Add</i>	12.30	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0111 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	74.84	
<i>For Horizontal Cores, Add</i>	14.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.52	
02 41 19 13-0112 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	93.63	
<i>For Horizontal Cores, Add</i>	18.45	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.91	
02 41 19 13-0113 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	124.72	
<i>For Horizontal Cores, Add</i>	24.61	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.21	
02 41 19 13-0114 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	186.86	
<i>For Horizontal Cores, Add</i>	36.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.82	
02 41 19 13-0115 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	218.42	
<i>For Horizontal Cores, Add</i>	43.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	86.12	
02 41 19 13-0116 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	249.77	
<i>For Horizontal Cores, Add</i>	49.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.42	
02 41 19 13-0117 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	281.31	
<i>For Horizontal Cores, Add</i>	55.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.71	
02 41 19 13-0118 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	313.43	
<i>For Horizontal Cores, Add</i>	61.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.02	
 02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0120 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	55.83	
<i>For Horizontal Cores, Add</i>	10.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.92	
02 41 19 13-0121 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	61.92	
<i>For Horizontal Cores, Add</i>	12.18	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.36	
02 41 19 13-0122 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	68.68	
<i>For Horizontal Cores, Add</i>	13.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.06	
02 41 19 13-0123 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	81.37	
<i>For Horizontal Cores, Add</i>	15.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.99	
02 41 19 13-0124 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	106.40	
<i>For Horizontal Cores, Add</i>	20.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.83	
02 41 19 13-0125 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	149.91	
<i>For Horizontal Cores, Add</i>	29.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	59.06	
02 41 19 13-0126 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	249.13	
<i>For Horizontal Cores, Add</i>	49.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.42	
02 41 19 13-0127 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	280.92	
<i>For Horizontal Cores, Add</i>	55.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.71	
02 41 19 13-0128 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	312.52	
<i>For Horizontal Cores, Add</i>	61.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.02	
02 41 19 13-0129 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	344.36	
<i>For Horizontal Cores, Add</i>	67.65	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	135.30	
02 41 19 13-0130 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	377.02	
<i>For Horizontal Cores, Add</i>	73.82	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	147.64	
 02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0132 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	66.05	
<i>For Horizontal Cores, Add</i>	12.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.91	
02 41 19 13-0133 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	73.25	
<i>For Horizontal Cores, Add</i>	14.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.79	
02 41 19 13-0134 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	81.24	
<i>For Horizontal Cores, Add</i>	15.99	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.98	
02 41 19 13-0135 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	94.04	
<i>For Horizontal Cores, Add</i>	18.45	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.91	
02 41 19 13-0136 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	106.88	
<i>For Horizontal Cores, Add</i>	20.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.83	
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	150.48	
<i>For Horizontal Cores, Add</i>	29.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	59.06	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	249.91	
<i>For Horizontal Cores, Add</i>	49.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.42	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	281.95	
For Horizontal Cores, Add	55.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.71	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	313.70	
For Horizontal Cores, Add	61.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.00	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	345.92	
For Horizontal Cores, Add	67.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.30	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	378.99	
For Horizontal Cores, Add	73.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	147.60	
02 41 19 13-0143 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0144 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	71.31	
For Horizontal Cores, Add	13.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.90	
02 41 19 13-0145 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	79.06	
For Horizontal Cores, Add	15.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.00	
02 41 19 13-0146 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	87.67	
For Horizontal Cores, Add	17.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.45	
02 41 19 13-0147 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	94.41	
For Horizontal Cores, Add	18.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.91	
02 41 19 13-0148 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	125.81	
For Horizontal Cores, Add	24.61	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.21	
02 41 19 13-0149 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	163.37	
For Horizontal Cores, Add	31.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.98	
02 41 19 13-0150 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	263.01	
For Horizontal Cores, Add	51.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	103.34	
02 41 19 13-0151 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	282.98	
For Horizontal Cores, Add	55.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	110.71	
02 41 19 13-0152 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	327.33	
For Horizontal Cores, Add	63.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.96	
02 41 19 13-0153 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0154 IN Drill 1" Diameter Core In >12" Brick/Concrete Block	8.66	
For Horizontal Cores, Add	1.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.41	
02 41 19 13-0155 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.60	
For Horizontal Cores, Add	1.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.79	
02 41 19 13-0156 IN Drill 2" Diameter Core In >12" Brick/Concrete Block	10.66	
For Horizontal Cores, Add	2.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.21	
02 41 19 13-0157 IN Drill 3" Diameter Core In >12" Brick/Concrete Block	11.71	
For Horizontal Cores, Add	2.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.61	
02 41 19 13-0158 IN Drill 4" Diameter Core In >12" Brick/Concrete Block	15.61	
For Horizontal Cores, Add	3.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.15	
02 41 19 13-0159 IN Drill 6" Diameter Core In >12" Brick/Concrete Block	20.28	
For Horizontal Cores, Add	4.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.00	
02 41 19 13-0160 IN Drill 8" Diameter Core In >12" Brick/Concrete Block	32.71	
For Horizontal Cores, Add	6.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.93	
02 41 19 13-0161 IN Drill 10" Diameter Core In >12" Brick/Concrete Block	35.26	
For Horizontal Cores, Add	6.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.90	
02 41 19 13-0162 IN Drill 12" Diameter Core In >12" Brick/Concrete Block	40.63	
For Horizontal Cores, Add	8.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.00	
02 41 19 13-0163 Asphalt Core Drilling (02 41 19 13-0024)		
02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0165 EA Drill 1" Diameter Core In Up To 2" Asphalt	21.15	
02 41 19 13-0166 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	26.44	
02 41 19 13-0167 EA Drill 2" Diameter Core In Up To 2" Asphalt	33.05	
02 41 19 13-0168 EA Drill 3" Diameter Core In Up To 2" Asphalt	41.01	
02 41 19 13-0169 EA Drill 4" Diameter Core In Up To 2" Asphalt	51.60	
02 41 19 13-0170 EA Drill 6" Diameter Core In Up To 2" Asphalt	64.83	
02 41 19 13-0171 EA Drill 8" Diameter Core In Up To 2" Asphalt	80.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0172 EA Drill 10" Diameter Core In Up To 2" Asphalt	100.55	
02 41 19 13-0173 EA Drill 12" Diameter Core In Up To 2" Asphalt	125.67	
02 41 19 13-0174 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0175 EA Drill 1" Diameter Core In >2" To 3" Asphalt	26.43	
02 41 19 13-0176 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	34.35	
02 41 19 13-0177 EA Drill 2" Diameter Core In >2" To 3" Asphalt	42.30	
02 41 19 13-0178 EA Drill 3" Diameter Core In >2" To 3" Asphalt	52.88	
02 41 19 13-0179 EA Drill 4" Diameter Core In >2" To 3" Asphalt	66.11	
02 41 19 13-0180 EA Drill 6" Diameter Core In >2" To 3" Asphalt	83.31	
02 41 19 13-0181 EA Drill 8" Diameter Core In >2" To 3" Asphalt	103.19	
02 41 19 13-0182 EA Drill 10" Diameter Core In >2" To 3" Asphalt	129.59	
02 41 19 13-0183 EA Drill 12" Diameter Core In >2" To 3" Asphalt	161.31	
02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0185 EA Drill 1" Diameter Core In >3" To 4" Asphalt	34.36	
02 41 19 13-0186 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	43.64	
02 41 19 13-0187 EA Drill 2" Diameter Core In >3" To 4" Asphalt	54.21	
02 41 19 13-0188 EA Drill 3" Diameter Core In >3" To 4" Asphalt	67.45	
02 41 19 13-0189 EA Drill 4" Diameter Core In >3" To 4" Asphalt	84.67	
02 41 19 13-0190 EA Drill 6" Diameter Core In >3" To 4" Asphalt	105.85	
02 41 19 13-0191 EA Drill 8" Diameter Core In >3" To 4" Asphalt	132.37	
02 41 19 13-0192 EA Drill 10" Diameter Core In >3" To 4" Asphalt	165.39	
02 41 19 13-0193 EA Drill 12" Diameter Core In >3" To 4" Asphalt	206.37	
02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0195 EA Drill 1" Diameter Core In >4" To 6" Asphalt	44.97	
02 41 19 13-0196 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	55.58	
02 41 19 13-0197 EA Drill 2" Diameter Core In >4" To 6" Asphalt	68.81	
02 41 19 13-0198 EA Drill 3" Diameter Core In >4" To 6" Asphalt	87.38	
02 41 19 13-0199 EA Drill 4" Diameter Core In >4" To 6" Asphalt	108.60	
02 41 19 13-0200 EA Drill 6" Diameter Core In >4" To 6" Asphalt	135.08	
02 41 19 13-0201 EA Drill 8" Diameter Core In >4" To 6" Asphalt	169.61	
02 41 19 13-0202 EA Drill 10" Diameter Core In >4" To 6" Asphalt	211.91	
02 41 19 13-0203 EA Drill 12" Diameter Core In >4" To 6" Asphalt	264.82	
02 41 19 13-0204 Manhole Core Drilling (02 41 19 13-0024)		
02 41 19 13-0205 EA Drill 4" Diameter Core In 6" Brick Manhole	231.60	
02 41 19 13-0206 EA Drill 5" Diameter Core In 6" Brick Manhole	264.67	
02 41 19 13-0207 EA Drill 6" Diameter Core In 6" Brick Manhole	308.68	
02 41 19 13-0208 EA Drill 8" Diameter Core In 6" Brick Manhole	462.91	
02 41 19 13-0209 EA Drill 2" Diameter Core In 8" Concrete Manhole	310.31	
02 41 19 13-0210 EA Drill 3" Diameter Core In 8" Concrete Manhole	330.42	
02 41 19 13-0211 EA Drill 4" Diameter Core In 8" Concrete Manhole	363.76	
02 41 19 13-0212 EA Drill 5" Diameter Core In 8" Concrete Manhole	390.30	
02 41 19 13-0213 EA Drill 6" Diameter Core In 8" Concrete Manhole	462.90	
02 41 19 13-0214 EA Drill 8" Diameter Core In 8" Concrete Manhole	661.14	
02 41 19 13-0215 EA Drill 2" Diameter Core In Fiberglass Manhole	30.77	
02 41 19 13-0216 EA Drill 3" Diameter Core In Fiberglass Manhole	35.53	
02 41 19 13-0217 EA Drill 4" Diameter Core In Fiberglass Manhole	38.50	
02 41 19 13-0218 EA Drill 5" Diameter Core In Fiberglass Manhole	41.99	
02 41 19 13-0219 EA Drill 6" Diameter Core In Fiberglass Manhole	46.20	
02 41 19 13-0220 EA Drill 8" Diameter Core In Fiberglass Manhole	51.33	
02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0222 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.17	
02 41 19 13-0223 IN 5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.30	
02 41 19 13-0224 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.42	
02 41 19 13-0225 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.60	
02 41 19 13-0226 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.77	
02 41 19 13-0227 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.04	
02 41 19 13-0228 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.30	
02 41 19 13-0229 IN 1" Diameter Drilling In Concrete Per Inch Of Depth	3.46	
02 41 19 13-0230 IN 1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.08	
02 41 19 13-0231 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.83	
02 41 19 13-0232 IN 1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.08	
02 41 19 13-0233 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.33	
02 41 19 13-0234 IN 1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	4.81	
02 41 19 13-0235 IN 2" Diameter Drilling In Concrete Per Inch Of Depth	5.59	
02 41 19 13-0236 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0237 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.81	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0238	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.92
02 41 19 13-0239	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.02
02 41 19 13-0240	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.17
02 41 19 13-0241	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.31
02 41 19 13-0242	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.54
02 41 19 13-0243	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.74
02 41 19 13-0244	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.89
02 41 19 13-0245	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.04
02 41 19 13-0246	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.19
02 41 19 13-0247	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.40
02 41 19 13-0248	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.62
02 41 19 13-0249	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.03
02 41 19 13-0250	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.65

02 41 19 13-0251 **Drilling In Wood Or Plastic Per Inch Of Depth** (02 41 19 13-0024)

Note: Includes layout.

02 41 19 13-0252	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.90
02 41 19 13-0253	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.96
02 41 19 13-0254	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.01
02 41 19 13-0255	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.08
02 41 19 13-0256	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.15
02 41 19 13-0257	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.26
02 41 19 13-0258	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.37
02 41 19 13-0259	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.44
02 41 19 13-0260	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.51
02 41 19 13-0261	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.58
02 41 19 13-0262	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.69
02 41 19 13-0263	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.80
02 41 19 13-0264	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.00
02 41 19 13-0265	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.32

02 41 19 13-0266 **Limestone Core Drilling** (02 41 19 13-0024)

02 41 19 13-0267 **10" To 14" Thick Limestone Core Drilling** (02 41 19 13-0266)

02 41 19 13-0268	EA	Drill 1" Diameter Core In 10" To 14" Limestone	66.44
02 41 19 13-0269	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	79.80
02 41 19 13-0270	EA	Drill 2" Diameter Core In 10" To 14" Limestone	86.56
02 41 19 13-0271	EA	Drill 3" Diameter Core In 10" To 14" Limestone	100.12
02 41 19 13-0272	EA	Drill 4" Diameter Core In 10" To 14" Limestone	113.69
02 41 19 13-0273	EA	Drill 6" Diameter Core In 10" To 14" Limestone	160.20
02 41 19 13-0274	EA	Drill 8" Diameter Core In 10" To 14" Limestone	266.32

02 41 19 13-0275 **15" To 18" Thick Limestone Core Drilling** (02 41 19 13-0266)

02 41 19 13-0276	EA	Drill 1" Diameter Core In 15" To 18" Limestone	73.16
02 41 19 13-0277	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	86.54
02 41 19 13-0278	EA	Drill 2" Diameter Core In 15" To 18" Limestone	93.36
02 41 19 13-0279	EA	Drill 3" Diameter Core In 15" To 18" Limestone	100.42
02 41 19 13-0280	EA	Drill 4" Diameter Core In 15" To 18" Limestone	133.83
02 41 19 13-0281	EA	Drill 6" Diameter Core In 15" To 18" Limestone	173.81
02 41 19 13-0282	EA	Drill 8" Diameter Core In 15" To 18" Limestone	280.21

02 41 19 13-0283 **19" To 24" Thick Limestone Core Drilling** (02 41 19 13-0266)

02 41 19 13-0284	EA	Drill 1" Diameter Core In 19" To 24" Limestone	79.86
02 41 19 13-0285	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	93.28
02 41 19 13-0286	EA	Drill 2" Diameter Core In 19" To 24" Limestone	100.14
02 41 19 13-0287	EA	Drill 3" Diameter Core In 19" To 24" Limestone	113.82
02 41 19 13-0288	EA	Drill 4" Diameter Core In 19" To 24" Limestone	160.49
02 41 19 13-0289	EA	Drill 6" Diameter Core In 19" To 24" Limestone	200.56
02 41 19 13-0290	EA	Drill 8" Diameter Core In 19" To 24" Limestone	300.70

02 41 19 13-0291 **Minimum Charge For Core Drilling** (02 41 19 13-0024)

02 41 19 13-0292	EA	Core Drill Minimum Charge	901.87
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Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".

02 41 19 13-0293 **Cutouts** (02 41 19 13)

Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.

02 41 19 13-0294 **Reinforced Concrete Slab On Grade Cutouts** (02 41 19 13-0293)

02 41 19 13-0295	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	51.19
02 41 19 13-0296	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	54.30
02 41 19 13-0297	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	57.40
02 41 19 13-0298	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	60.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0299 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	62.05	
02 41 19 13-0300 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0293)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0301 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	62.39	
02 41 19 13-0302 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	66.18	
02 41 19 13-0303 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	69.96	
02 41 19 13-0304 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	73.74	
02 41 19 13-0305 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.63	
02 41 19 13-0306 Reinforced Concrete Wall Cutouts (02 41 19 13-0293)		
02 41 19 13-0307 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	63.99	
02 41 19 13-0308 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	67.87	
02 41 19 13-0309 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	71.75	
02 41 19 13-0310 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	75.63	
02 41 19 13-0311 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.57	
02 41 19 13-0312 Brick Wall Cutouts (02 41 19 13-0293)		
Note: Excludes tothing.		
02 41 19 13-0313 SF 4" Thick Brick Wall Cutouts, <24 SF	19.40	
02 41 19 13-0314 SF 6" Thick Brick Wall Cutouts, <24 SF	32.00	
02 41 19 13-0315 SF 8" Thick Brick Wall Cutouts, <24 SF	44.55	
02 41 19 13-0316 SF 10" Thick Brick Wall Cutouts, <24 SF	54.30	
02 41 19 13-0317 SF 12" Thick Brick Wall Cutouts, <24 SF	64.97	
02 41 19 13-0318 SF 16" Thick Brick Wall Cutouts, <24 SF	76.60	
02 41 19 13-0319 Concrete Block Wall Cutouts (02 41 19 13-0293)		
Note: Excludes tothing.		
02 41 19 13-0320 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	32.08	
02 41 19 13-0321 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	33.97	
02 41 19 13-0322 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	35.88	
02 41 19 13-0323 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	37.82	
02 41 19 13-0324 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	38.78	
02 41 19 13-0325 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	40.72	
02 41 19 13-0326 Limestone Cutouts (02 41 19 13-0293)		
02 41 19 13-0327 SF 2" Thick Limestone Cutouts, <24 SF	54.30	
02 41 19 13-0328 SF 4" Thick Limestone Cutouts, <24 SF	65.93	
02 41 19 13-0329 SF 6" Thick Limestone Cutouts, <24 SF	69.81	
02 41 19 13-0330 SF 8" Thick Limestone Cutouts, <24 SF	73.69	
02 41 19 13-0331 SF 10" Thick Limestone Cutouts, <24 SF	77.57	
02 41 19 13-0332 SF 12" Thick Limestone Cutouts, <24 SF	81.45	
02 41 19 13-0333 Tothing Masonry Cutouts (02 41 19 13-0293)		
Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0334 VLF Brick, Soft Old Mortar, Tothing Masonry Cutouts	19.40	
02 41 19 13-0335 VLF Brick, Hard Mortar, Tothing Masonry Cutouts	26.18	
02 41 19 13-0336 VLF Concrete Block, Soft Old Mortar, Tothing Masonry Cutouts	11.63	
02 41 19 13-0337 VLF Concrete Block, Hard Mortar, Tothing Masonry Cutouts	15.52	
02 41 19 13-0338 Minimum Charge For Cutouts (02 41 19 13-0293)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0339 EA Cutouts Minimum Charge	387.84	
02 41 19 13-0340 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0341 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0340)		
02 41 19 13-0342 VLF 8" x 8" Masonry Column Removal	15.10	
02 41 19 13-0343 VLF 10" x 10" Masonry Column Removal	23.59	
02 41 19 13-0344 VLF 12" x 12" Masonry Column Removal	30.23	
02 41 19 13-0345 VLF 14" x 14" Masonry Column Removal	37.84	
02 41 19 13-0346 VLF 16" x 16" Masonry Column Removal	46.49	
02 41 19 13-0347 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	26.10	
02 41 19 13-0348 Masonry Chimney Removal (02 41 19 13-0340)		
02 41 19 13-0349 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	30.62	
02 41 19 13-0350 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	22.99	
02 41 19 13-0351 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	17.60	
02 41 19 13-0352 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.18	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0353	Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0340) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0354	LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	21.05	
02 41 19 13-0355	LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	31.26	
02 41 19 13-0356	LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	59.30	
02 41 19 13-0357	Facade Removal (02 41 19 13-0340) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0358	SF Stone Or Brick Veneer Facade Removal.....	5.75	
	<i>For Cleaning and Storage For Reuse, Add</i>		8.63
02 41 19 13-0359	Exterior Masonry Removal (02 41 19 13-0340) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0360	SF Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall.....	5.05	
02 41 19 13-0361	SF Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall.....	5.70	
02 41 19 13-0362	SF Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall.....	6.89	
02 41 19 13-0363	SF Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall.....	7.54	
02 41 19 13-0364	SF Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall.....	8.28	
02 41 19 13-0365	SF Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall.....	10.35	
02 41 19 13-0366	SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall	5.98	
02 41 19 13-0367	SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall	6.84	
02 41 19 13-0368	SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.28	
02 41 19 13-0369	SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.05	
02 41 19 13-0370	SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall	9.93	
02 41 19 13-0371	SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall	12.43	
02 41 19 13-0372	SF Demolish 4" Thick Brick Exterior Wall.....	5.05	
	<i>For Cleaning and Storage For Reuse, Add</i>		7.58
02 41 19 13-0373	SF Demolish 6" Thick Brick Exterior Wall.....	5.70	
	<i>For Cleaning and Storage For Reuse, Add</i>		8.55
02 41 19 13-0374	SF Demolish 8" Thick Brick Exterior Wall.....	6.89	
	<i>For Cleaning and Storage For Reuse, Add</i>		10.34
02 41 19 13-0375	SF Demolish 10" Thick Brick Exterior Wall.....	7.54	
	<i>For Cleaning and Storage For Reuse, Add</i>		11.31
02 41 19 13-0376	SF Demolish 12" Thick Brick Exterior Wall.....	8.28	
	<i>For Cleaning and Storage For Reuse, Add</i>		12.42
02 41 19 13-0377	SF Demolish 16" Thick Brick Exterior Wall.....	10.35	
	<i>For Cleaning and Storage For Reuse, Add</i>		15.53
02 41 19 13-0378	CF Exterior Brick, Concrete Block Or Composite Removal	14.72	
	<i>For Cleaning and Storage For Reuse, Add</i>		22.08
02 41 19 13-0379	Lintel Removal (02 41 19 13-0340) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0380	LF Demolish Steel Lintel	13.72	
02 41 19 13-0381	LF Demolish Concrete Or Stone Lintel	18.29	
02 41 19 13-0382	LF Demolish Steel Shelf Angle	14.48	
02 41 19 13-0383	Reinstall Lintel (02 41 19 13-0340) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0384	LF Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	9.38	
02 41 19 13-0385	LF Reinstall Existing Concrete Or Stone Lintel	18.29	
02 41 19 13-0386	LF Reinstall Existing Steel Shelf Angle	52.11	
	Note: Includes fasteners.		
02 41 19 13-0387	LF Reinstall Existing Steel Lintel.....	20.33	
02 41 19 13-0388	LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	86.99	
02 41 19 13-0389	LF Removal And Replacement Of Steel Lintel Over Window Openings	163.99	
02 41 19 13-0390	Exterior Concrete Wall Removal (02 41 19 13) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0391	SF Demolish 4" Thick Reinforced Concrete Exterior Wall	6.88	
02 41 19 13-0392	SF Demolish 6" Thick Reinforced Concrete Exterior Wall	12.46	
02 41 19 13-0393	SF Demolish 8" Thick Reinforced Concrete Exterior Wall	15.65	
02 41 19 13-0394	SF Demolish 10" Thick Reinforced Concrete Exterior Wall	18.47	
02 41 19 13-0395	SF Demolish 12" Thick Reinforced Concrete Exterior Wall	21.84	
02 41 19 13-0396	Elevated Concrete Removal (02 41 19 13) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0397 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced	13.00	
02 41 19 16 Selective Interior Demolition (02 41 19)		
Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Scarify Concrete (02 41 19 16-0001)		
Note: Up to 1/4" removal per pass.		
02 41 19 16-0003 SF Scarify Concrete Floor	0.33	
02 41 19 16-0004 SF Scarify Concrete Tread And Riser	2.71	
02 41 19 16-0005 SF Scarify Concrete Wall	2.46	
02 41 19 16-0006 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0007 SF Removal Of Fireproofing From Concrete Or Steel.....	1.29	
02 41 19 16-0008 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0009 SF Demolish Drywall Ceiling	0.99	
02 41 19 16-0010 SF Demolish Furred Plastered Ceiling	2.30	
02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System.....	1.76	
02 41 19 16-0012 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs.....	8.28	
02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs	7.17	
02 41 19 16-0015 Demolish Interior Partition/Wall (02 41 19 16)		
Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0015)		
Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0018 SF Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	5.36	
02 41 19 16-0019 SF Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	5.73	
02 41 19 16-0020 SF Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	6.46	
02 41 19 16-0021 SF Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	8.29	
02 41 19 16-0022 SF Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	10.35	
02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	6.43	
02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	6.87	
02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	7.74	
02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	9.94	
02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	12.43	
02 41 19 16-0028 Demolish Brick Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall.....	5.36	
02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall.....	6.46	
02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall.....	8.28	
02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall	10.35	
02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls	4.60	
02 41 19 16-0035 Demolish Concrete Interior Partition/Walls (02 41 19 16-0016)		
See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036 SF Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall	9.75	
02 41 19 16-0037 SF Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall	12.18	
02 41 19 16-0038 SF Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall	17.06	
02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	11.70	
02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	14.72	
02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	20.47	
02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0016)		
02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.84	
02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0015)		
Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	3.26	
For Heights >14' To 20', Add		0.49
For Heights >20', Add		0.65
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	3.81	
For Heights >14' To 20', Add		0.57
For Heights >20', Add		0.76

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0047	SF		Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	4.17	
			<i>For Heights >14' To 20', Add</i>	0.63	
			<i>For Heights >20', Add</i>	0.83	
02 41 19 16-0048	SF		Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	5.80	
			<i>For Heights >14' To 20', Add</i>	0.87	
			<i>For Heights >20', Add</i>	1.16	
02 41 19 16-0049	SF		Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.71	
			<i>For Heights >14' To 20', Add</i>	0.26	
			<i>For Heights >20', Add</i>	0.34	
02 41 19 16-0050	SF		Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	2.05	
			<i>For Heights >14' To 20', Add</i>	0.31	
			<i>For Heights >20', Add</i>	0.41	

02 42 Removal and Salvage of Construction Materials (02 40)**02 42 21 Salvage of Construction Materials (02 42)**

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage (02 42 21)**02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use (02 42 21 35)**

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....299.71

02 42 21 47 Flooring Salvage (02 42 21)**02 42 21 47-0001 Flooring Remove And Salvage For Re-Use (02 42 21 47)**

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage.....2.72

02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage2.72

02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage.....3.77

02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage2.20

02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage1.17

02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage0.83

02 43 Structure Moving (02 40)**02 43 13 Structure Relocation (02 43)**

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation (02 43 13)**02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)**

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building37.26

02 43 13 13-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building.....35.22

02 43 13 13-0004 SF >920 SF, Move Relocatable Metal Frame Building.....32.96

02 43 13 13-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building.....29.90

02 43 13 13-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building.....27.95

02 43 13 13-0007 SF >920 SF, Move Relocatable Wood Frame Building24.72

02 43 13 13-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....36.21

02 43 13 13-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building32.96

02 43 13 13-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building27.95

02 60 Contaminated Site Material Removal (02)**02 61 Removal and Disposal of Contaminated Soils (02 60)****02 61 13 Excavation and Handling of Contaminated Material (02 61)**

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil (02 61 13)

See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.

02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil (02 61 13 00-0001)

02 61 13 00-0003 CY Excavate Non-Petroleum Contaminated Soil.....9.43

Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.

02 61 13 00-0004 CY Load Excavated Non-Petroleum Contaminated Soil.....8.24

02 61 13 00-0005 CY Disposal Fees Of Non-Petroleum Contaminated Soil48.34

02 61 13 00-0006 Excavate Petroleum Contaminated Soil (02 61 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 13 00-0007 CY Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	14.14	
02 61 13 00-0008 CY Load Excavated Petroleum Contaminated Soil.....	8.24	
02 61 13 00-0009 CY Disposal Fees Of Petroleum Contaminated Soil.....	77.44	
02 61 13 00-0010 Accessories For Contaminated Soil Stockpile (02 61 13) See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0011 SF 30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.53	
02 61 13 00-0012 SF 10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.91	
02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)		
Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0001 Removal and Disposal of Asbestos Contaminated Soils (02 61 26) Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0002 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	1,193.26	357.98
02 61 26 00-0003 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	79.10	23.73
02 61 26 00-0004 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	52.73	15.82
02 61 26 00-0005 CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	39.61	11.88
02 61 26 00-0006 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	31.64	9.49
02 61 26 00-0007 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	26.90	8.07
02 61 26 00-0008 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	24.20	7.26
02 65 Underground Storage Tank Removal (02 60) Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.		
02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis (02 65)		
02 65 00 00-0002 Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0003 EA Collection Of Sludge Sample For Underground Storage Tank	25.46	
02 65 00 00-0004 EA Collection Of Pumpable Liquids Sample For Underground Storage Tank.....	25.46	
02 65 00 00-0005 EA Collection Of Contaminated Soil Sample.....	25.46	
02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001) Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007 EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	202.69	
02 65 00 00-0008 EA Flashpoint, Lab Test..... Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	78.82	
02 65 00 00-0009 EA TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	189.62	
02 65 00 00-0010 EA TPH 8015 Modified, Lab Test..... Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	202.69	
02 65 00 00-0011 EA TRPH 418.1, Lab Test..... Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	157.65	
02 65 00 00-0012 EA VOC, Lab Test..... Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	427.90	
02 65 00 00-0013 EA Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	788.24	
02 65 00 00-0014 EA Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	94.81	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0015 EA TCLP (Extraction) - Metals, Lab Test.....	168.91	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0016 EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test.....	225.21	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0017 EA Metals 6010 RCRA, Lab Test.....	252.24	
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0018 EA Metals (Arsenic) 7060, Lab Test.....	33.78	
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0019 EA Metals (Selenium) 7740, Lab Test.....	33.78	
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0020 EA Metals (Lead) 7421, Lab Test.....	33.78	
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0021 EA Metals (Mercury) 7470, Lab Test.....	63.06	
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0022 EA PNA/PAH 8100, Lab Test.....	360.34	
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0023 EA Fuel Id ASTM D3328-78, Lab Test.....	130.36	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024 EA pH, Lab Test.....	27.03	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater.....	337.82	
02 65 00 00-0026 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test.....	202.69	
02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer.....	1,133.67	
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems.....	198.14	
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes.....	45.77	
Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	320.94	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System.....	177.34	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank.....	254.40	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank.....	363.38	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank.....	208.14	
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank.....	120.63	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	122.90	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank.....	131.93	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank.....	0.63	
Note: Per gallon of material transferred.		
02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank.....	1.89	
02 65 00 00-0045 GAL Removal and Disposal Of Non-Hazardous Liquid From Tank.....	0.84	
02 65 00 00-0046 Sludge (02 65 00 00-0040)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	6.71	
02 65 00 00-0048 GAL Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank.....	1.53	
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB Purge Tank Using Dry Ice.....	5.05	
Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0052	High Pressure Water Wash And Rinse Of Tank Interior <small>(02 65 00 00-0049)</small>	
	Note: Includes removal and disposal of rinse water.	
02 65 00 00-0053	EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	345.72
02 65 00 00-0054	EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	453.89
02 65 00 00-0055	EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	589.42
02 65 00 00-0056	EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	798.77
02 65 00 00-0057	EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,550.33
02 65 00 00-0058	EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,864.21
02 65 00 00-0059	EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,140.38
02 65 00 00-0060	EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,587.58
02 65 00 00-0061	EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,339.77
02 65 00 00-0062	EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,015.31
02 65 00 00-0063	EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,090.87
02 65 00 00-0064	EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,268.43
02 65 00 00-0065	EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	7,667.23

02 65 00 00-0066	Scrape Clean Tank Exterior <small>(02 65 00 00-0049)</small>	
02 65 00 00-0067	EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior	250.73
02 65 00 00-0068	EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior	333.87
02 65 00 00-0069	EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	437.49
02 65 00 00-0070	EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	605.83
02 65 00 00-0071	EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,341.64
02 65 00 00-0072	EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,698.80
02 65 00 00-0073	EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	1,987.90
02 65 00 00-0074	EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,499.07
02 65 00 00-0075	EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,248.18
02 65 00 00-0076	EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,077.11
02 65 00 00-0077	EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,308.73
02 65 00 00-0078	EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,370.47
02 65 00 00-0079	EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	7,963.09

02 65 00 00-0080	Tank And Piping Removal <small>(02 65)</small>	
	Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.	
02 65 00 00-0081	Removal And Disposal Of Piping <small>(02 65 00 00-0080)</small>	
	Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.	
02 65 00 00-0082	LF Up To 4", Removal And Disposal Of Piping.....	20.04
02 65 00 00-0083	LF >4" To 8", Removal And Disposal Of Piping.....	26.73

02 65 00 00-0084	Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement <small>(02 65 00 00-0080)</small>	
	Note: Excludes excavation or backfill.	
02 65 00 00-0085	EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	697.51
02 65 00 00-0086	EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	846.97
02 65 00 00-0087	EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	996.45
02 65 00 00-0088	EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,245.57
02 65 00 00-0089	EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,743.78
02 65 00 00-0090	EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,192.18
02 65 00 00-0091	EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,491.11
02 65 00 00-0092	EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,989.33
02 65 00 00-0093	EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,985.78
02 65 00 00-0094	EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,778.07
02 65 00 00-0095	EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,598.91
02 65 00 00-0096	EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	6,550.25
02 65 00 00-0097	EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	8,187.81

02 65 00 00-0098	Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary <small>(02 65 00 00-0080)</small>	
	Note: Includes 1 lengthwise at every 4' on-center height wise.	
02 65 00 00-0099	EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	847.83
02 65 00 00-0100	EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,581.08
02 65 00 00-0101	EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,901.89
02 65 00 00-0102	EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,119.57
02 65 00 00-0103	EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,543.48
02 65 00 00-0104	EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,162.17
02 65 00 00-0105	EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,803.77
02 65 00 00-0106	EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,754.71
02 65 00 00-0107	EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,943.40
02 65 00 00-0108	EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,429.24

02 65 00 00-0109	Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station <small>(02 65 00 00-0080)</small>	
	Note: Includes disposal fee.	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0110	EA		Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station 312.11 <i>For Each Additional Mile >15 Miles, Add</i> 4.68		
02 65 00 00-0111	EA		>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....423.77 <i>For Each Additional Mile >15 Miles, Add</i> 5.92		
02 65 00 00-0112	EA		>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....666.86 <i>For Each Additional Mile >15 Miles, Add</i> 8.88		
02 65 00 00-0113	EA		>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....1,037.87 <i>For Each Additional Mile >15 Miles, Add</i> 10.35		
02 65 00 00-0114	EA		>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....1,831.60 <i>For Each Additional Mile >15 Miles, Add</i> 18.24		
02 65 00 00-0115	EA		>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....1,890.77 <i>For Each Additional Mile >15 Miles, Add</i> 19.72		
02 65 00 00-0116	EA		>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....1,989.39 <i>For Each Additional Mile >15 Miles, Add</i> 22.19		
02 65 00 00-0117	EA		>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....2,888.14 <i>For Each Additional Mile >15 Miles, Add</i> 29.58		
02 65 00 00-0118	EA		>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....3,957.98 <i>For Each Additional Mile >15 Miles, Add</i> 44.38		
02 65 00 00-0119	EA		>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....4,833.38 <i>For Each Additional Mile >15 Miles, Add</i> 49.31		
02 65 00 00-0120	EA		>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....5,734.68 <i>For Each Additional Mile >15 Miles, Add</i> 59.17		
02 65 00 00-0121	EA		>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....8,037.55 <i>For Each Additional Mile >15 Miles, Add</i> 71.00		
02 65 00 00-0122	EA		>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....9,710.96 <i>For Each Additional Mile >15 Miles, Add</i> 81.65		
02 65 00 00-0123			Other Storage Tank Removals <small>(02 65 00 00-0080)</small>		
02 65 00 00-0124	GAL		Removal Of Cement Lining.....0.61		
02 65 00 00-0125	GAL		Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....0.22		
02 65 00 00-0126	GAL		Install Epoxy For Interior Corrosion Protection 1.65		
02 65 00 00-0127			Tank Closure Report <small>(02 65 00 00-0080)</small> Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA		Prepare Tank Closure Report..... 3,313.46		
02 65 00 00-0129			Temporary Tanks <small>(02 65)</small>		
02 65 00 00-0130			Temporary Holding Tanks <small>(02 65 00 00-0129)</small>		
02 65 00 00-0131			Above Ground Temporary Holding Tanks, Monthly Rental <small>(02 65 00 00-0130)</small>		
02 65 00 00-0132	MO		550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....937.13		
02 65 00 00-0133	MO		630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....937.13		
02 65 00 00-0134	MO		630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental 1,874.25		
02 65 00 00-0135	MO		4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental 1,405.69		
02 65 00 00-0136	MO		4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental 3,279.95		
02 65 00 00-0137	MO		6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....2,342.82		
02 65 00 00-0138	MO		21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental..... 6,068.30		
02 65 00 00-0139	MO		21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental 7,272.33		
02 65 00 00-0140	MO		21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental 12,281.09		
02 65 00 00-0141			Secondary Containment Berm <small>(02 65 00 00-0129)</small>		
02 65 00 00-0142	MO		Secondary Containment Berm Monthly Rental .....2,030.44		
02 80 Facility Remediation <small>(02)</small>					
02 81 Transportation and Disposal of Hazardous Materials <small>(02 80)</small>					
02 81 00 00-0001			Equipment Oil Drain And Disposal <small>(02 81)</small>		
02 81 00 00-0002	TRIP		Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site .....658.04 Note: Excludes Disposal Cost.		
02 81 00 00-0003	DRM		Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum 103.41 Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0004	DRM		Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum..... 470.02 Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0005	DRM		Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum .....846.04 Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0006	CF		Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site 112.85 Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		
02 82 Asbestos Remediation <small>(02 80)</small>					
See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.					



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001

Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	95.74
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	61.22
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	71.77
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	113.99
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	196.32
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	238.54
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	48.55
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	59.11
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	80.22
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	61.22
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	71.77
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	113.99
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	196.32
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	225.88
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	314.54

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)

02 82 16 00-0001

Asbestos Encapsulation (Lock-Down) (02 82 16)

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.64
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.25
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.44
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.65
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.27
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.38

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001

Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)

02 82 33 00-0002

Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003

Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,211.16
		<i>For Work In Restricted Working Space, Add</i>	357.98
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	41.58
		<i>For Work In Restricted Working Space, Add</i>	12.20
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	31.41
		<i>For Work In Restricted Working Space, Add</i>	9.15
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	23.78
		<i>For Work In Restricted Working Space, Add</i>	6.86
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.06
		<i>For Work In Restricted Working Space, Add</i>	5.15
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	15.82
		<i>For Work In Restricted Working Space, Add</i>	4.48

02 82 33 00-0010

>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,229.06
		<i>For Work In Restricted Working Space, Add</i>	357.98
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	48.58
		<i>For Work In Restricted Working Space, Add</i>	14.04
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	36.88
		<i>For Work In Restricted Working Space, Add</i>	10.53
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	28.10
		<i>For Work In Restricted Working Space, Add</i>	7.89
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	21.51
		<i>For Work In Restricted Working Space, Add</i>	5.92
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.95
		<i>For Work In Restricted Working Space, Add</i>	5.15

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

02 82 33 00-0017	>12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal ⁽⁰²⁾ <small>82 33 00-0002</small> See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0018	SET Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,246.97	
	<i>For Work In Restricted Working Space, Add</i>	357.98	
02 82 33 00-0019	LF >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	64.76	
	<i>For Work In Restricted Working Space, Add</i>	18.71	
02 82 33 00-0020	LF >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	49.16	
	<i>For Work In Restricted Working Space, Add</i>	14.03	
02 82 33 00-0021	LF >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	37.48	
	<i>For Work In Restricted Working Space, Add</i>	10.53	
02 82 33 00-0022	LF >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	28.70	
	<i>For Work In Restricted Working Space, Add</i>	7.89	
02 82 33 00-0023	LF >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	25.27	
	<i>For Work In Restricted Working Space, Add</i>	6.86	
02 82 33 00-0024	>18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal ⁽⁰²⁾ <small>82 33 00-0002</small> See CSI section 02 82 33 00-0031 for projects with less than 10 LF.		
02 82 33 00-0025	SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,264.87	
	<i>For Work In Restricted Working Space, Add</i>	357.98	
02 82 33 00-0026	LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	89.05	
	<i>For Work In Restricted Working Space, Add</i>	25.73	
02 82 33 00-0027	LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	67.59	
	<i>For Work In Restricted Working Space, Add</i>	19.29	
02 82 33 00-0028	LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	51.52	
	<i>For Work In Restricted Working Space, Add</i>	14.47	
02 82 33 00-0029	LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	39.44	
	<i>For Work In Restricted Working Space, Add</i>	10.85	
02 82 33 00-0030	LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	34.75	
	<i>For Work In Restricted Working Space, Add</i>	9.44	
02 82 33 00-0031	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0032	SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	771.35	
	<i>For Work In Restricted Working Space, Add</i>	229.79	
02 82 33 00-0033	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation	129.45	
	<i>For Work In Restricted Working Space, Add</i>	38.30	
02 82 33 00-0034	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation	51.35	
	<i>For Work In Restricted Working Space, Add</i>	14.87	
02 82 33 00-0035	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation	38.95	
	<i>For Work In Restricted Working Space, Add</i>	11.15	
02 82 33 00-0036	LF >500 LF Additional Glove Bag Work for Pipe Insulation	29.66	
	<i>For Work In Restricted Working Space, Add</i>	8.36	
02 82 33 00-0037	Thermal Insulation, Asbestos Abatement And Disposal ^(02 82 33)		
02 82 33 00-0038	Calcium Block Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0037)		
02 82 33 00-0039	SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	1,202.21	
02 82 33 00-0040	SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	49.52	
02 82 33 00-0041	SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	40.89	
02 82 33 00-0042	SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	32.86	
02 82 33 00-0043	SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	26.85	
02 82 33 00-0044	Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0037)		
02 82 33 00-0045	SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	1,197.74	
02 82 33 00-0046	SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	43.52	
02 82 33 00-0047	SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	34.88	
02 82 33 00-0048	SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	26.85	
02 82 33 00-0049	SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	20.85	
02 82 33 00-0050	Fibrous Glass Board Insulation, Asbestos Abatement And Disposal ^(02 82 33 00-0037)		
02 82 33 00-0051	SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	1,196.24	
02 82 33 00-0052	SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	38.60	
02 82 33 00-0053	SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	29.96	
02 82 33 00-0054	SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	21.93	
02 82 33 00-0055	SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	15.92	
02 82 33 00-0056	Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal ^(02 82 33 00-0037) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0057	SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	1,204.45	
02 82 33 00-0058	SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	41.13	
02 82 33 00-0059	SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	32.49	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0060 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	24.47	
02 82 33 00-0061 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	18.47	
02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0062) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.		
02 82 33 00-0064 EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal..... Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	199.33	
02 82 33 00-0065 Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0062) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0066 SET Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,204.45	
02 82 33 00-0067 SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	49.25	
02 82 33 00-0068 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	37.04	
02 82 33 00-0069 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	27.90	
02 82 33 00-0070 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal	21.04	
02 82 33 00-0071 Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0062) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0072 SET Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,200.72	
02 82 33 00-0073 SF >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	20.68	
02 82 33 00-0074 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	15.72	
02 82 33 00-0075 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	11.74	
02 82 33 00-0076 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	8.76	
02 82 33 00-0077 Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0062)		
02 82 33 00-0078 SET Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal..... For Additional Layer, Add	1,208.18 328.15	
02 82 33 00-0079 SF >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	15.96	
For Additional Layer, Add	4.31	
02 82 33 00-0080 SF >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	11.74	
For Additional Layer, Add	3.15	
02 82 33 00-0081 SF >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.25	
For Additional Layer, Add	2.46	
02 82 33 00-0082 SF >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.26	
For Additional Layer, Add	1.91	
02 82 33 00-0083 SF >50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.77	
For Additional Layer, Add	1.50	
02 82 33 00-0084 SF >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.67	
For Additional Layer, Add	1.20	
02 82 33 00-0085 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0062)		
02 82 33 00-0086 SET Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	1,200.72	
02 82 33 00-0087 SF >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	30.03	
02 82 33 00-0088 SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	22.08	
02 82 33 00-0089 SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.30	
02 82 33 00-0090 SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.53	
02 82 33 00-0091 SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	9.75	
02 82 33 00-0092 Stucco, Asbestos Abatement And Disposal (02 82 33 00-0062)		
02 82 33 00-0093 SET Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,208.18	
02 82 33 00-0094 SF >50 To 500 SF, Stucco, Asbestos Abatement And Disposal	26.24	
02 82 33 00-0095 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	19.73	
02 82 33 00-0096 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	14.90	
02 82 33 00-0097 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal	11.23	
02 82 33 00-0098 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0062)		
02 82 33 00-0099 SET Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,208.18	
02 82 33 00-0100 SF >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	13.56	
02 82 33 00-0101 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	10.54	
02 82 33 00-0102 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	7.77	
02 82 33 00-0103 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	5.88	
02 82 33 00-0104 Plywood, Asbestos Abatement And Disposal (02 82 33 00-0062)		

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

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal.....	1,205.20	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	17.20	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	8.43	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	5.79	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	4.98	
02 82 33 00-0110		Flooring Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0111		Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0110)		
02 82 33 00-0112		Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0111) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	1,196.24	
		<i>For Each Additional Layer, Add</i>	179.44	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	8.43	
		<i>For Each Additional Layer, Add</i>	1.26	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	6.91	
		<i>For Each Additional Layer, Add</i>	1.04	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	5.52	
		<i>For Each Additional Layer, Add</i>	0.83	
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	3.83	
		<i>For Each Additional Layer, Add</i>	0.57	
02 82 33 00-0118		Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0111) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	1,196.24	
		<i>For Each Additional Layer, Add</i>	179.44	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	8.43	
		<i>For Each Additional Layer, Add</i>	1.26	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	6.94	
		<i>For Each Additional Layer, Add</i>	1.04	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	6.30	
		<i>For Each Additional Layer, Add</i>	0.95	
02 82 33 00-0123	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	5.09	
		<i>For Each Additional Layer, Add</i>	0.76	
02 82 33 00-0124		Carpet, Asbestos Abatement And Disposal (02 82 33 00-0111)		
02 82 33 00-0125	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	1,196.24	
02 82 33 00-0126	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	6.58	
02 82 33 00-0127	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	5.33	
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	3.90	
02 82 33 00-0129	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	2.98	
02 82 33 00-0130		Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0111) Note: Up to 12".		
02 82 33 00-0131	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	401.48	
02 82 33 00-0132	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	5.45	
02 82 33 00-0133	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.33	
02 82 33 00-0134	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.14	
02 82 33 00-0135	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.55	
02 82 33 00-0136		Mastic, Asbestos Abatement And Disposal (02 82 33 00-0110) Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0137	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal.....	1,200.73	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0138	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	3.04	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0139	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	2.25	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0140	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.75	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0141	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.42	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0142		Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0110) Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0143	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	1,223.10	
02 82 33 00-0144	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	9.69	
02 82 33 00-0145	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	7.16	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0146 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.67	
02 82 33 00-0147 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.48	
02 82 33 00-0148 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal (02 82 33 00-0110)		
02 82 33 00-0149 SET Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,208.17	
02 82 33 00-0150 SF >100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	10.79	
02 82 33 00-0151 SF >500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	7.11	
02 82 33 00-0152 SF >2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	5.62	
02 82 33 00-0153 SF >10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	4.62	
02 82 33 00-0154 Roofing, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0155 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0154) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0156 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0155)		
02 82 33 00-0157 SET Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,230.56	
02 82 33 00-0158 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.93	
02 82 33 00-0159 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.41	
02 82 33 00-0160 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.18	
02 82 33 00-0161 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.96	
02 82 33 00-0162 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.05	
02 82 33 00-0163 >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0155)		
02 82 33 00-0164 SET Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,258.90	
02 82 33 00-0165 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.29	
02 82 33 00-0166 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.52	
02 82 33 00-0167 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.18	
02 82 33 00-0168 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.78	
02 82 33 00-0169 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.72	
02 82 33 00-0170 >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0155)		
02 82 33 00-0171 SET Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,291.72	
02 82 33 00-0172 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	10.54	
02 82 33 00-0173 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.59	
02 82 33 00-0174 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.09	
02 82 33 00-0175 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.54	
02 82 33 00-0176 SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.37	
02 82 33 00-0177 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0154)		
02 82 33 00-0178 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0177) Note: Single or first of multiple layers.		
02 82 33 00-0179 SET Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	1,202.58	
02 82 33 00-0180 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	7.70	
For Each Additional Layer, Add	1.54	
02 82 33 00-0181 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.18	
For Each Additional Layer, Add	1.24	
02 82 33 00-0182 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.95	
For Each Additional Layer, Add	0.99	
02 82 33 00-0183 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.73	
For Each Additional Layer, Add	0.75	
02 82 33 00-0184 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.82	
For Each Additional Layer, Add	0.56	

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0185	Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0154)		
02 82 33 00-0186	SET Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	398.50	
02 82 33 00-0187	SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.05	
02 82 33 00-0188	SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.52	
02 82 33 00-0189	SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.04	
02 82 33 00-0190	SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.50	
02 82 33 00-0191	Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0154)		
02 82 33 00-0192	SET Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	398.50	
02 82 33 00-0193	LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.02	
02 82 33 00-0194	LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.23	
02 82 33 00-0195	LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.04	
02 82 33 00-0196	LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.37	
02 82 33 00-0197	Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0198	Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0197)		
	Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0199	SET Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,208.17	
	Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0200	SF >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.28	
	Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0201	SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.22	
	Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0202	SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.40	
	Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0203	SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.97	
	Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0204	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0197)		
02 82 33 00-0205	SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,208.17	
02 82 33 00-0206	SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.22	
02 82 33 00-0207	SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.77	
02 82 33 00-0208	SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.05	
02 82 33 00-0209	SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.66	
02 82 33 00-0210	Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0197)		
02 82 33 00-0211	SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,012.29	
02 82 33 00-0212	LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	42.47	
02 82 33 00-0213	LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	32.30	
02 82 33 00-0214	LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	24.67	
02 82 33 00-0215	LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	18.95	
02 82 33 00-0216	LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.66	
02 82 33 00-0217	LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.36	
02 82 33 00-0218	Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0197)		
02 82 33 00-0219	SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,218.55	
	Note: Single or first of multiple layers.		
02 82 33 00-0220	SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	6.51	
	Note: Single or first of multiple layers.		
02 82 33 00-0221	SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.23	
	Note: Single or first of multiple layers.		
02 82 33 00-0222	SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.22	
	Note: Single or first of multiple layers.		
02 82 33 00-0223	SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.20	
	Note: Single or first of multiple layers.		
02 82 33 00-0224	SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.44	
	Note: Single or first of multiple layers.		
02 82 33 00-0225	Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0226	Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal (02 82 33 00-0225)		
	Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0227	SET Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	598.12	
02 82 33 00-0228	SF >10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	1.13	
02 82 33 00-0229	SF >100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.74	
02 82 33 00-0230	SF >500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.61	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0231 SF >1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.54	
02 82 33 00-0232 Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal (02 82 33 00-0225)		
02 82 33 00-0233 SET Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	801.48	
02 82 33 00-0234 SF >10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	20.49	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0235 SF >100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.02	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0236 SF >250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	10.54	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0237 SF >500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	8.55	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0238 SF >2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	7.56	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0239 SF >10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	6.57	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0240 SET Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,004.83	
02 82 33 00-0241 SF >10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	40.56	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0242 SF >100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	27.41	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0243 SF >250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	20.84	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0244 SF >500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	16.86	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0245 SF >2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.48	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0246 SF >10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	13.14	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0247 SET Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,211.16	
02 82 33 00-0248 SF >10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	80.89	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0249 SF >100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	54.52	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0250	SF		>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	41.40	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0251	SF		>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	33.43	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0252	SF		>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	28.69	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0253	SF		>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	25.99	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0254			Asbestos Contaminated Debris, Asbestos Abatement And Disposal <small>(02 82 33 00-0254)</small>		
02 82 33 00-0255	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	813.41	
			<i>For Work In Restricted Working Space, Add</i>	238.65	
02 82 33 00-0256	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	80.89	
			<i>For Work In Restricted Working Space, Add</i>	23.73	
02 82 33 00-0257	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	54.52	
			<i>For Work In Restricted Working Space, Add</i>	15.82	
02 82 33 00-0258	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	41.40	
			<i>For Work In Restricted Working Space, Add</i>	11.88	
02 82 33 00-0259	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	33.43	
			<i>For Work In Restricted Working Space, Add</i>	9.49	
02 82 33 00-0260	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	28.69	
			<i>For Work In Restricted Working Space, Add</i>	8.07	
02 82 33 00-0261	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	25.99	
			<i>For Work In Restricted Working Space, Add</i>	7.26	
02 82 33 00-0262			Other Asbestos Containing Materials, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
02 82 33 00-0263			30" To 36" Fire Door, Asbestos Abatement And Disposal <small>(02 82 33 00-0263)</small>		
02 82 33 00-0264	SET		Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	405.81	
02 82 33 00-0265	EA		>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	151.25	
02 82 33 00-0266	EA		>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	136.93	
02 82 33 00-0267			HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal <small>(02 82 33 00-0267)</small>		
02 82 33 00-0268	SET		Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	398.12	
02 82 33 00-0269	LF		>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.17	
02 82 33 00-0270	LF		>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.14	
02 82 33 00-0271	LF		>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.29	
02 82 33 00-0272	LF		>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.55	
02 82 33 00-0273	LF		>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.91	
02 82 33 00-0274	LF		>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.38	
02 82 33 00-0275			Grout, Asbestos Abatement And Disposal <small>(02 82 33 00-0275)</small>		
			Note: e.g. flue grout.		
02 82 33 00-0276	SET		Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	398.00	
02 82 33 00-0277	LF		>10 To 50 LF, Grout, Asbestos Abatement And Disposal	15.68	
02 82 33 00-0278	LF		>50 To 100 LF, Grout, Asbestos Abatement And Disposal	10.80	
02 82 33 00-0279	LF		>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.25	
02 82 33 00-0280	LF		>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	7.95	
02 82 33 00-0281	LF		>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	6.85	
02 82 33 00-0282	LF		>2,500 LF, Grout, Asbestos Abatement And Disposal.....	5.88	
02 82 33 00-0283			Gaskets, Asbestos Abatement And Disposal <small>(02 82 33 00-0283)</small>		
			Note: e.g. rope, web cloth, flat.		
02 82 33 00-0284	SET		Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	398.12	
02 82 33 00-0285	LF		>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	21.13	
02 82 33 00-0286	LF		>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	15.86	
02 82 33 00-0287	LF		>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	13.52	
02 82 33 00-0288	LF		>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.17	
02 82 33 00-0289	LF		>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.94	
02 82 33 00-0290	LF		>2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.41	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0291 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
<small>Note: e.g. grid, spline, or glued on.</small>		
02 82 33 00-0292 SET Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	802.97	
<small>Note: Including Glue Removal</small>		
02 82 33 00-0293 SF >50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	17.05	
<small>Note: Including Glue Removal</small>		
02 82 33 00-0294 SF >1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	8.28	
<small>Note: Including Glue Removal</small>		
02 82 33 00-0295 SF >2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	5.64	
<small>Note: Including Glue Removal</small>		
02 82 33 00-0296 SF >10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	4.83	
<small>Note: Including Glue Removal</small>		
02 82 33 00-0297 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
<small>Note: Includes ceiling tile, asbestos barrier paper, and furring strips.</small>		
02 82 33 00-0298 SET Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	799.54	
02 82 33 00-0299 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	17.05	
02 82 33 00-0300 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	8.28	
02 82 33 00-0301 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.64	
02 82 33 00-0302 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.83	
02 82 33 00-0303 Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
02 82 33 00-0304 Non-Friable Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0303)</small>		
02 82 33 00-0305 SET Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	398.00	
02 82 33 00-0306 LF >10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	11.75	
02 82 33 00-0307 LF >50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	8.29	
02 82 33 00-0308 LF >100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	6.17	
02 82 33 00-0309 LF >250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	4.64	
02 82 33 00-0310 LF >1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	3.68	
02 82 33 00-0311 LF >2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....	3.19	
02 82 33 00-0312 Exterior Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0303)</small>		
02 82 33 00-0313 SET Up To 10 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	397.82	
02 82 33 00-0314 LF >10 To 50 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	7.06	
02 82 33 00-0315 LF >50 To 100 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	4.99	
02 82 33 00-0316 LF >100 To 250 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	3.71	
02 82 33 00-0317 LF >250 To 1,000 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	2.80	
02 82 33 00-0318 LF >1,000 To 2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	2.22	
02 82 33 00-0319 LF >2,500 LF, Non-Friable Asbestos Exterior Caulking, Asbestos Abatement And Disposal.....	1.93	
02 82 33 00-0320 Wood Wall Joint Compound, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
02 82 33 00-0321 SET Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	796.26	
02 82 33 00-0322 SF >10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	15.73	
02 82 33 00-0323 SF >500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	11.51	
02 82 33 00-0324 SF >2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	9.02	
02 82 33 00-0325 SF >10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal.....	7.03	
02 82 33 00-0326 Chalk Board Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
02 82 33 00-0327 SET Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	405.22	
02 82 33 00-0328 SF >100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	16.97	
02 82 33 00-0329 SF >1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	8.20	
02 82 33 00-0330 SF >2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	5.56	
02 82 33 00-0331 SF >10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal.....	4.75	
02 82 33 00-0332 Tack Board Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
02 82 33 00-0333 SET Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	405.22	
02 82 33 00-0334 SF >100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	16.97	
02 82 33 00-0335 SF >1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	8.20	
02 82 33 00-0336 SF >2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	5.56	
02 82 33 00-0337 SF >10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal.....	4.75	
02 82 33 00-0338 Dash Coat Over Wood Walls, Asbestos Abatement And Disposal <small>(02 82 33 00-0262)</small>		
02 82 33 00-0339 SET Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	796.26	
02 82 33 00-0340 SF >10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	17.47	
02 82 33 00-0341 SF >500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal.....	13.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 82 33 00-0342	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	9.80	
	02 82 33 00-0343	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	7.37	
02 82 33 00-0344	HEPA Vacuum, Asbestos Abatement And Disposal (02 82 33 00-0262)				
	Note: For adjacent areas.				
	02 82 33 00-0345	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area	0.74	
02 82 33 00-0346	Asbestos Contaminated Paint, Asbestos Abatement And Disposal (02 82 33 00-0262)				
	Note: Exposed surface area, includes associated overspray.				
	02 82 33 00-0347	SET	Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	497.94	
	02 82 33 00-0348	SF	>10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	48.87	
	02 82 33 00-0349	SF	>500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	36.66	
	02 82 33 00-0350	SF	>2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	27.52	
	02 82 33 00-0351	SF	>10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	20.66	
02 82 33 00-0352	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal (02 82 33 00-0262)				
	02 82 33 00-0353	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	5.13	
	02 82 33 00-0354	SF	Mastic On Walls, Asbestos Abatement And Disposal	19.96	
02 82 33 00-0355	Other Material, Asbestos Abatement And Disposal (02 82 33 00-0262)				
	02 82 33 00-0356	LF	Chemical Countertops, Asbestos Abatement And Disposal	27.12	
	02 82 33 00-0357	EA	Chemical Fume Hood, Asbestos Abatement And Disposal	1,534.54	
02 82 33 00-0358	Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0262)				
02 82 33 00-0359	Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0358)				
	02 82 33 00-0360	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	398.00	
	02 82 33 00-0361	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	4.43	
	02 82 33 00-0362	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.12	
	02 82 33 00-0363	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.33	
	02 82 33 00-0364	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.75	
	02 82 33 00-0365	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.39	
	02 82 33 00-0366	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.22	
02 82 33 00-0367	Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0262)				
	02 82 33 00-0368	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	398.00	
	02 82 33 00-0369	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	15.68	
	02 82 33 00-0370	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	10.80	
	02 82 33 00-0371	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	9.25	
	02 82 33 00-0372	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.95	
	02 82 33 00-0373	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	6.85	
02 82 33 00-0374	Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0262)				
	02 82 33 00-0375	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	829.88	
	02 82 33 00-0376	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	79.77	
	02 82 33 00-0377	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	56.05	
	02 82 33 00-0378	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	44.24	
	02 82 33 00-0379	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	37.07	
	02 82 33 00-0380	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	32.80	
	02 82 33 00-0381	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.37	
02 83 Lead Remediation (02 80)	See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.				
02 83 19 Lead-Based Paint Remediation (02 83)					
02 83 19 13 Lead-Based Paint Abatement (02 83 19)	Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.				
02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)	Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.				
	02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	89.77	
	02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing	72.77	
	Note: Including Technician, 3 Readings Per Surface And Lab Fee				



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				02 83 19 13-0004 EA 5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	69.66	
				02 83 19 13-0005 EA 48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	105.55	
				02 83 19 13-0006 EA 24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	147.77	
				02 83 19 13-0007 EA 5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	27.44	
				02 83 19 13-0008 EA 24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	42.22	
				02 83 19 13-0009 EA 8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	52.78	
				02 83 19 13-0010 EA 5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	69.66	
				02 83 19 13-0011 EA 3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	105.55	
				02 83 19 13-0012 EA 5 Day Turnaround Lead Wipe Samples And Lab Fee	11.61	
				02 83 19 13-0013 EA 24 Hour Turnaround Lead Wipe Samples And Lab Fee	15.83	
				02 83 19 13-0014 EA 8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.22	
				02 83 19 13-0015 EA 5 Day Turnaround Lead Air Samples And Lab Fee	11.61	
				02 83 19 13-0016 EA 24 Hour Turnaround Lead Air Samples And Lab Fee	15.83	
				02 83 19 13-0017 EA 8 Hour Turnaround Lead Air Samples And Lab Fee	23.22	
				02 83 19 13-0018 EA 5 Day Turnaround Lead Water Test and Lab Fee	42.22	
				02 83 19 13-0019 EA 24 Hour Turnaround Lead Water Test and Lab Fee	63.33	
				02 83 19 13-0020 EA 8 Hour Turnaround Lead Water Test and Lab Fee	84.44	
				02 83 19 13-0021 EA 5 Day Turnaround Lead Paint Chip Test and Lab Fee	43.66	
				02 83 19 13-0022 EA 5 Day Turnaround Lead Soil Test and Lab Fee	87.33	
				02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation <small>(02 83 19 13)</small>		
				02 83 19 13-0024 EA Lead-Based Paint Remediation Minimum Show Up Charge	1,225.22	
				Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.		
				02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material <small>(02 83 19 13)</small>		
				Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
				02 83 19 13-0026 SF Balustrades, Chemical Stripping Of Lead Contaminated Material	34.50	
				For 0.025" (25 mil) Application, Add	1.98	
				For 0.03" (30 mil) Application, Add	3.12	
				02 83 19 13-0027 SF Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	51.12	
				For 0.025" (25 mil) Application, Add	2.81	
				For 0.03" (30 mil) Application, Add	4.37	
				02 83 19 13-0028 LF Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	14.83	
				For 0.025" (25 mil) Application, Add	0.89	
				For 0.03" (30 mil) Application, Add	1.43	
				For 0.125" (125 mil) Application, Add	8.21	
				02 83 19 13-0029 LF >6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	30.23	
				For 0.025" (25 mil) Application, Add	1.66	
				For 0.03" (30 mil) Application, Add	2.59	
				For 0.125" (125 mil) Application, Add	12.06	
				02 83 19 13-0030 SF Cornice, Chemical Stripping Of Lead Contaminated Material	16.15	
				For 0.025" (25 mil) Application, Add	1.06	
				For 0.03" (30 mil) Application, Add	1.74	
				02 83 19 13-0031 SF Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	45.58	
				For 0.025" (25 mil) Application, Add	2.53	
				For 0.03" (30 mil) Application, Add	3.95	
				02 83 19 13-0032 SF Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	9.98	
				For 0.025" (25 mil) Application, Add	0.70	
				For 0.03" (30 mil) Application, Add	1.17	
				For 0.125" (125 mil) Application, Add	8.50	
				02 83 19 13-0033 SF Cabinets, Chemical Stripping Of Lead Contaminated Material	28.83	
				For 0.025" (25 mil) Application, Add	1.64	
				For 0.03" (30 mil) Application, Add	2.59	
				02 83 19 13-0034 SF Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	36.73	
				For 0.025" (25 mil) Application, Add	2.04	
				For 0.03" (30 mil) Application, Add	3.18	
				02 83 19 13-0035 SF Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	13.73	
				For 0.025" (25 mil) Application, Add	0.89	
				For 0.03" (30 mil) Application, Add	1.45	
				02 83 19 13-0036 SF Columns, Chemical Stripping Of Lead Contaminated Material	13.22	
				For 0.025" (25 mil) Application, Add	0.91	
				For 0.03" (30 mil) Application, Add	1.52	
				For 0.125" (125 mil) Application, Add	10.81	
				02 83 19 13-0037 SF Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	11.64	
				For 0.025" (25 mil) Application, Add	0.78	
				For 0.03" (30 mil) Application, Add	1.30	
				02 83 19 13-0038 SF Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	14.29	
				For 0.025" (25 mil) Application, Add	0.91	
				For 0.03" (30 mil) Application, Add	1.50	
				02 83 19 13-0039 SF Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	21.03	
				For 0.025" (25 mil) Application, Add	1.30	
				For 0.03" (30 mil) Application, Add	2.11	
				02 83 19 13-0040 EA Electrical Devices, Chemical Stripping Of Lead Contaminated Material	60.01	
				For 0.025" (25 mil) Application, Add	3.40	
				For 0.03" (30 mil) Application, Add	5.35	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
02 83 19 13-0041	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	14.92	
		<i>For 0.025" (25 mil) Application, Add</i>	0.95	
		<i>For 0.03" (30 mil) Application, Add</i>	1.54	
02 83 19 13-0042	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.23	
		<i>For 0.025" (25 mil) Application, Add</i>	0.61	
		<i>For 0.03" (30 mil) Application, Add</i>	1.04	
02 83 19 13-0043	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	30.81	
		<i>For 0.025" (25 mil) Application, Add</i>	1.74	
		<i>For 0.03" (30 mil) Application, Add</i>	2.74	
02 83 19 13-0044	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	36.73	
		<i>For 0.025" (25 mil) Application, Add</i>	2.04	
		<i>For 0.03" (30 mil) Application, Add</i>	3.18	
02 83 19 13-0045	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	19.36	
		<i>For 0.025" (25 mil) Application, Add</i>	1.27	
		<i>For 0.03" (30 mil) Application, Add</i>	2.09	
02 83 19 13-0046	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	23.83	
		<i>For 0.025" (25 mil) Application, Add</i>	1.49	
		<i>For 0.03" (30 mil) Application, Add</i>	2.42	
		<i>For 0.125" (125 mil) Application, Add</i>	14.96	
02 83 19 13-0047	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.67	
		<i>For 0.025" (25 mil) Application, Add</i>	0.48	
		<i>For 0.03" (30 mil) Application, Add</i>	0.82	
		<i>For 0.125" (125 mil) Application, Add</i>	6.17	
02 83 19 13-0048	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	10.69	
		<i>For 0.025" (25 mil) Application, Add</i>	0.68	
		<i>For 0.03" (30 mil) Application, Add</i>	1.12	
		<i>For 0.125" (125 mil) Application, Add</i>	7.17	
02 83 19 13-0049	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	19.11	
		<i>For 0.025" (25 mil) Application, Add</i>	1.21	
		<i>For 0.03" (30 mil) Application, Add</i>	1.96	
		<i>For 0.125" (125 mil) Application, Add</i>	12.28	
02 83 19 13-0050	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	26.18	
		<i>For 0.025" (25 mil) Application, Add</i>	1.61	
		<i>For 0.03" (30 mil) Application, Add</i>	2.60	
		<i>For 0.125" (125 mil) Application, Add</i>	15.55	
02 83 19 13-0051	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	46.91	
		<i>For 0.025" (25 mil) Application, Add</i>	2.80	
		<i>For 0.03" (30 mil) Application, Add</i>	4.47	
		<i>For 0.125" (125 mil) Application, Add</i>	25.23	
02 83 19 13-0052	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	14.01	
		<i>For 0.025" (25 mil) Application, Add</i>	0.81	
		<i>For 0.03" (30 mil) Application, Add</i>	1.28	
		<i>For 0.125" (125 mil) Application, Add</i>	6.74	
02 83 19 13-0053	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	278.25	
		<i>For 0.025" (25 mil) Application, Add</i>	15.36	
		<i>For 0.03" (30 mil) Application, Add</i>	23.95	
02 83 19 13-0054	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	19.65	
		<i>For 0.025" (25 mil) Application, Add</i>	1.55	
		<i>For 0.03" (30 mil) Application, Add</i>	2.67	
02 83 19 13-0055	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	21.49	
		<i>For 0.025" (25 mil) Application, Add</i>	1.64	
		<i>For 0.03" (30 mil) Application, Add</i>	2.81	
02 83 19 13-0056	SF	Siding, Chemical Stripping Of Lead Contaminated Material	11.19	
		<i>For 0.025" (25 mil) Application, Add</i>	0.81	
		<i>For 0.03" (30 mil) Application, Add</i>	1.37	
		<i>For 0.125" (125 mil) Application, Add</i>	10.30	
02 83 19 13-0057	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	23.33	
		<i>For 0.025" (25 mil) Application, Add</i>	1.37	
		<i>For 0.03" (30 mil) Application, Add</i>	2.17	
		<i>For 0.125" (125 mil) Application, Add</i>	11.83	
02 83 19 13-0058	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	10.77	
		<i>For 0.025" (25 mil) Application, Add</i>	0.74	
		<i>For 0.03" (30 mil) Application, Add</i>	1.23	
		<i>For 0.125" (125 mil) Application, Add</i>	8.69	
02 83 19 13-0059	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	12.22	
		<i>For 0.025" (25 mil) Application, Add</i>	0.81	
		<i>For 0.03" (30 mil) Application, Add</i>	1.34	
		<i>For 0.125" (125 mil) Application, Add</i>	9.06	
02 83 19 13-0060	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	12.18	
		<i>For 0.025" (25 mil) Application, Add</i>	0.81	
		<i>For 0.03" (30 mil) Application, Add</i>	1.34	
		<i>For 0.125" (125 mil) Application, Add</i>	9.05	
02 83 19 13-0061	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	17.24	
		<i>For 0.025" (25 mil) Application, Add</i>	1.06	
		<i>For 0.03" (30 mil) Application, Add</i>	1.72	
		<i>For 0.125" (125 mil) Application, Add</i>	10.31	
02 83 19 13-0062	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	12.18	
		<i>For 0.025" (25 mil) Application, Add</i>	0.81	
		<i>For 0.03" (30 mil) Application, Add</i>	1.34	
		<i>For 0.125" (125 mil) Application, Add</i>	9.05	
02 83 19 13-0063	SF	Windows (Sash, Sill, Jamb, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	27.99	
		<i>For 0.025" (25 mil) Application, Add</i>	1.60	
		<i>For 0.03" (30 mil) Application, Add</i>	2.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0064 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	30.63	
For 0.025" (25 mil) Application, Add	1.73	
For 0.03" (30 mil) Application, Add	2.72	
02 83 19 13-0065 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	32.41	
For 0.025" (25 mil) Application, Add	1.82	
For 0.03" (30 mil) Application, Add	2.86	
02 83 19 13-0066 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	34.21	
For 0.025" (25 mil) Application, Add	1.91	
For 0.03" (30 mil) Application, Add	2.99	
02 83 19 13-0067 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	35.99	
For 0.025" (25 mil) Application, Add	2.00	
For 0.03" (30 mil) Application, Add	3.12	
02 83 19 13-0068 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	37.84	
For 0.025" (25 mil) Application, Add	2.09	
For 0.03" (30 mil) Application, Add	3.26	
02 83 19 13-0069 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	39.57	
For 0.025" (25 mil) Application, Add	2.18	
For 0.03" (30 mil) Application, Add	3.39	
02 83 19 13-0070 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	40.47	
For 0.025" (25 mil) Application, Add	2.22	
For 0.03" (30 mil) Application, Add	3.46	
02 83 19 13-0071 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	41.39	
For 0.025" (25 mil) Application, Add	2.27	
For 0.03" (30 mil) Application, Add	3.53	
02 83 19 13-0072 SF Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	42.25	
For 0.025" (25 mil) Application, Add	2.31	
For 0.03" (30 mil) Application, Add	3.59	
02 83 19 13-0073 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material	55.88	
For 0.025" (25 mil) Application, Add	3.19	
For 0.03" (30 mil) Application, Add	5.04	
For 0.125" (125 mil) Application, Add	25.97	
02 83 19 13-0074 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	9.73	
For 0.025" (25 mil) Application, Add	0.64	
For 0.03" (30 mil) Application, Add	1.05	
For 0.125" (125 mil) Application, Add	6.93	
02 83 19 13-0075 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	28.44	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
For 0.025" (25 mil) Application, Add	1.72	
For 0.03" (30 mil) Application, Add	2.77	
For 0.125" (125 mil) Application, Add	16.11	
02 83 19 13-0076 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material	31.06	
For 0.025" (25 mil) Application, Add	1.80	
For 0.03" (30 mil) Application, Add	2.86	
For 0.125" (125 mil) Application, Add	15.27	
02 83 19 13-0077 Demolish Lead Contaminated Material <small>(02 83 19 13)</small>		
Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0078 SF Demolish Ceiling Suspension System, Lead Contaminated Material	2.45	
02 83 19 13-0079 SF Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.42	
02 83 19 13-0080 SF Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.91	
02 83 19 13-0081 SF Demolish Metal Pan Grid System, Lead Contaminated Material	1.41	
02 83 19 13-0082 EA Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	68.36	
02 83 19 13-0083 EA Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	90.68	
02 83 19 13-0084 SF Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.13	
02 83 19 13-0085 SF Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	5.67	
02 83 19 13-0086 SF Demolish Brick, Lead Contaminated Material	4.27	
02 83 19 13-0087 SF Demolish Concrete Block, Lead Contaminated Material	5.50	
02 83 19 13-0088 SF Demolish Tile, Lead Contaminated Material	4.14	
02 83 19 13-0089 SF Demolish Up To 6" Concrete, Lead Contaminated Material	6.23	
02 83 19 13-0090 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.85	
02 83 19 13-0091 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	6.47	
02 83 19 13-0092 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material	7.08	
02 83 19 13-0093 LF Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.84	
02 83 19 13-0094 LF Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.31	
02 83 19 13-0095 LF Demolish Base Shoe Molding, Lead Contaminated Material	1.50	
02 83 19 13-0096 SF Demolish Concrete, Lead Contaminated Material	14.10	
02 83 19 13-0097 LF Demolish Cabinets, Lead Contaminated Material	32.84	
02 83 19 13-0098 SF Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.86	
02 83 19 13-0099 SF Demolish Up To 12" Diameter Columns, Lead Contaminated Material	18.20	
02 83 19 13-0100 SF Demolish Cornice, Lead Contaminated Material	2.42	
02 83 19 13-0101 EA Demolish Doors, Lead Contaminated Material	71.24	
02 83 19 13-0102 LF Demolish Door And Window Trim Or Frames, Lead Contaminated Material	2.17	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

02 83 19 13-0103	EA	Demolish Electrical Devices, Lead Contaminated Material.....	21.86	
02 83 19 13-0104	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	2.80	
02 83 19 13-0105	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material.....	4.67	
02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material.....	3.36	
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material.....	3.95	
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material.....	7.95	
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	17.07	
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	7.00	
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	10.21	
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	15.43	
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	28.47	
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material.....	122.97	
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material.....	47.92	
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material.....	1.91	
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material.....	1.62	
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material.....	4.43	
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material.....	5.22	
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material.....	6.84	
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material.....	5.06	
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material.....	17.01	
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material.....	8.15	
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material.....	5.99	
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material.....	9.77	
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material.....	2.69	
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material.....	7.36	
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.59	
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	22.44	
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material.....	4.90	
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material.....	13.47	
02 83 19 13-0132	LF	Demolish Roof Metal Trim, Lead Contaminated Material.....	2.88	
02 83 19 13-0133	LF	Demolish Rain Gutters, Lead Contaminated Material.....	4.93	
02 83 19 13-0134	LF	Demolish Downspouts, Lead Contaminated Material.....	4.04	
02 83 19 13-0135	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material.....	4.98	
02 83 19 13-0136	LF	Demolish Roof Metal Flashing, Lead Contaminated Material.....	2.87	
02 83 19 13-0137	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material.....	7.18	
02 83 19 13-0138	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material.....	7.18	
02 83 19 13-0139	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material.....	5.16	
02 83 19 13-0140	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	4.04	
02 83 19 13-0141	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.14	
02 83 19 13-0142	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material.....	22.44	
02 83 19 13-0143	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material.....	15.96	
02 83 19 13-0144	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material.....	11.97	
02 83 19 13-0145	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material.....	8.98	

02 83 19 13-0146 Wet Sanding/Light Scraping Of Lead Contaminated Material (02 83 19 13)

Note: Remove loose, flaking lead-based paint to prepare for painting.

02 83 19 13-0147	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.41	
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02 83 19 13-0148 Lead Abatement Encapsulation (02 83 19 13)

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0149	SF	Balustrades, Lead Abatement Encapsulation.....	6.24	
02 83 19 13-0150	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	6.15	
02 83 19 13-0151	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	8.36	
02 83 19 13-0152	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	4.02	
02 83 19 13-0153	SF	Ornate Cabinets, Lead Abatement Encapsulation.....	9.02	
02 83 19 13-0154	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	7.35	
02 83 19 13-0155	SF	Drywall Ceilings, Lead Abatement Encapsulation.....	2.54	
02 83 19 13-0156	SF	Wood Ceilings, Lead Abatement Encapsulation.....	3.07	
02 83 19 13-0157	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.85	
02 83 19 13-0158	SF	Columns, Lead Abatement Encapsulation.....	4.85	
02 83 19 13-0159	SF	Doors, Lead Abatement Encapsulation.....	9.23	
02 83 19 13-0160	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	4.07	
02 83 19 13-0161	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	2.91	
02 83 19 13-0162	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	2.44	
02 83 19 13-0163	SF	Grilles, Vents, Lead Abatement Encapsulation.....	6.73	
02 83 19 13-0164	LF	Gutters And Downspouts, Lead Abatement Encapsulation.....	6.24	
02 83 19 13-0165	EA	Hangers, Lead Abatement Encapsulation.....	52.86	
02 83 19 13-0166	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.78	
02 83 19 13-0167	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.49	
02 83 19 13-0168	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	8.51	
02 83 19 13-0169	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	12.56	
02 83 19 13-0170	EA	Radiators, Lead Abatement Encapsulation.....	137.61	
02 83 19 13-0171	EA	Up To 6" Shutters, Lead Abatement Encapsulation.....	196.27	
02 83 19 13-0172	SF	Siding, Lead Abatement Encapsulation.....	3.47	
02 83 19 13-0173	SF	Up To 12" Soffit, Lead Abatement Encapsulation.....	4.85	
02 83 19 13-0174	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	4.02	
02 83 19 13-0175	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	5.25	
02 83 19 13-0176	SF	Trusses, Lead Abatement Encapsulation.....	5.25	



Existing Conditions	02	02
Facility Remediation	02 80	
Lead Remediation	02 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0177 SF Drywall Walls, Lead Abatement Encapsulation.....	2.26	
02 83 19 13-0178 SF Wood Walls, Lead Abatement Encapsulation.....	2.78	
02 83 19 13-0179 EA Window Without Grille, Lead Abatement Encapsulation.....	116.71	
02 83 19 13-0180 EA Window With Grille, Lead Abatement Encapsulation.....	149.97	
02 83 19 13-0181 LF Wood Door Frames And Trim, Lead Abatement Encapsulation	3.55	
02 83 19 13-0182 LF Steel Lintels, Lead Abatement Encapsulation	4.09	
02 83 33 Removal and Disposal of Material Containing Lead (02 83)		
02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)		
02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.29	
02 83 33 13-0003 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.28	
02 83 33 13-0004 SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.42	
02 84 Polychlorinated Biphenyl Remediation (02 80)		
02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)		
02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)		
Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002 EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	9.82	
02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)		
Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.21	
02 84 16 00-0005 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	4.09	
02 84 16 00-0006 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	9.67	
02 84 16 00-0007 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	20.23	
02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)		
Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	5.85	
02 84 16 00-0010 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.05	
02 84 16 00-0011 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	24.85	
02 84 16 00-0012 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	48.25	
02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)		
02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)		
Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB).....	5,811.77	
Note: Includes disposal costs.		
02 84 33 00-0003 EA Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB).....	9,186.92	
Note: Includes disposal costs.		
02 84 33 00-0004 EA Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB).....	2,382.76	
02 84 33 00-0005 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	11,203.93	
Note: Includes disposal costs.		
02 84 33 00-0006 EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	4,320.10	
02 84 33 00-0007 EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	17,758.34	
Note: Includes disposal costs.		
02 87 Bio-Hazard Material Remediation (02 80)		
02 87 13 Mold Remediation (02 87)		
Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.		
02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)		
02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)		
Note: Treat fittings as additional lf of insulation.		

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001) Note: Diameter is outer size of insulation.		
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002) Note: Excludes encased fittings.		
02 87 13 33-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	804.46	
02 87 13 33-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	31.22	
02 87 13 33-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	23.51	
02 87 13 33-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	17.75	
02 87 13 33-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.42	
02 87 13 33-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.74	
02 87 13 33-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)		
02 87 13 33-0011	SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	831.31	
02 87 13 33-0012	LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	37.17	
02 87 13 33-0013	LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	28.32	
02 87 13 33-0014	LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	21.69	
02 87 13 33-0015	LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	16.71	
02 87 13 33-0016	LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.77	
02 87 13 33-0017	Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)		
02 87 13 33-0019	SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	817.89	
02 87 13 33-0020	SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	18.13	
02 87 13 33-0021	SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	13.71	
02 87 13 33-0022	SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.39	
02 87 13 33-0023	SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.07	
02 87 13 33-0024	Surfacing Material, Mold Abatement And Disposal (02 87 13 33) Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025	Stucco, Mold Abatement And Disposal (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET Up To 50 SF, Stucco, Mold Abatement And Disposal	810.43	
02 87 13 33-0027	SF >50 To 500 SF, Stucco, Mold Abatement And Disposal	17.98	
02 87 13 33-0028	SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	13.56	
02 87 13 33-0029	SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.24	
02 87 13 33-0030	SF >10,000 SF, Stucco, Mold Abatement And Disposal	7.78	
02 87 13 33-0031	Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024) Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	810.43	
02 87 13 33-0033	SF >50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	17.98	
02 87 13 33-0034	SF >500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	13.56	
02 87 13 33-0035	SF >2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	10.24	
02 87 13 33-0036	SF >10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	7.78	
02 87 13 33-0037	Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)		
02 87 13 33-0038	SET Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	825.35	
02 87 13 33-0039	SF >100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.02	
02 87 13 33-0040	SF >500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.77	
02 87 13 33-0041	SF >2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.78	
02 87 13 33-0042	SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.79	
02 87 13 33-0043	Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal	817.89	
02 87 13 33-0045	SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal	24.82	
02 87 13 33-0046	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	18.74	
02 87 13 33-0047	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.17	
02 87 13 33-0048	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	10.74	
02 87 13 33-0049	Flooring, Mold Abatement And Disposal (02 87 13 33) Note: Includes cove base.		
02 87 13 33-0050	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0051	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	825.35	
02 87 13 33-0053	SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.98	
	For Each Additional Layer, Add		1.50



Existing Conditions	02
Facility Remediation	02 80
Bio-Hazard Material Remediation	02 87

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0054 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.36	
For Each Additional Layer, Add	0.84	
02 87 13 33-0055 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.96	
For Each Additional Layer, Add	0.49	
02 87 13 33-0056 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.53	
For Each Additional Layer, Add	0.38	
02 87 13 33-0057 Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058 Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059 SET Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	825.35	
02 87 13 33-0060 SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	4.98	
02 87 13 33-0061 SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	3.14	
02 87 13 33-0062 SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.11	
02 87 13 33-0063 SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.63	
02 87 13 33-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065 SET Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal.....	825.35	
Note: Includes tack strips.		
02 87 13 33-0066 SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	5.60	
Note: Includes tack strips.		
02 87 13 33-0067 SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	4.09	
Note: Includes tack strips.		
02 87 13 33-0068 SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.25	
Note: Includes tack strips.		
02 87 13 33-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.51	
Note: Includes tack strips.		
02 87 13 33-0070 Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071 SET Up To 75 SF, Subflooring, Mold Abatement And Disposal.....	817.89	
02 87 13 33-0072 SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal.....	6.88	
02 87 13 33-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal.....	4.41	
02 87 13 33-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal.....	2.68	
02 87 13 33-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal.....	1.72	
02 87 13 33-0076 Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077 Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)		
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078 SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal.....	825.35	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079 SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal.....	5.97	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080 SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal.....	4.20	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081 SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	2.47	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082 SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	1.89	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083 Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084 SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	825.35	
02 87 13 33-0085 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	7.40	
02 87 13 33-0086 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	5.15	
02 87 13 33-0087 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.48	
02 87 13 33-0088 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.14	
02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091 SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	831.31	
02 87 13 33-0092 CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal.....	29.30	
02 87 13 33-0093 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal.....	20.14	
02 87 13 33-0094 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal.....	15.55	
02 87 13 33-0095 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal.....	12.80	
02 87 13 33-0096 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	7.80	
02 87 13 33-0097 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	7.19	
02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)		
Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100 SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal.....	412.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0101	LF		>100 To 500 LF, Wood Studs, Mold Abatement And Disposal.....	3.35	
02 87 13 33-0102	LF		>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal.....	2.50	
02 87 13 33-0103	LF		>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.95	
02 87 13 33-0104	LF		>10,000 LF, Wood Studs, Mold Abatement And Disposal.....	1.49	
02 87 13 33-0105			Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)		
			Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET		Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal.....	825.35	
02 87 13 33-0107	SF		>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	10.24	
02 87 13 33-0108	SF		>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal.....	4.83	
02 87 13 33-0109	SF		>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	3.48	
02 87 13 33-0110	SF		>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	3.43	
02 87 13 33-0111	SF		>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	3.36	
02 87 13 33-0112	SF		>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.95	
02 87 13 33-0113	SF		>100,000 SF, Ceiling Tile, Mold Abatement And Disposal.....	2.57	
02 87 13 33-0114			Caulking, Mold Abatement And Disposal (02 87 13 33-0098)		
02 87 13 33-0115	SET		Up To 20 LF, Caulking, Mold Abatement And Disposal.....	199.37	
02 87 13 33-0116	LF		>20 To 50 LF, Caulking, Mold Abatement And Disposal.....	4.00	
02 87 13 33-0117	LF		>50 To 100 LF, Caulking, Mold Abatement And Disposal.....	2.86	
02 87 13 33-0118	LF		>100 To 250 LF, Caulking, Mold Abatement And Disposal.....	2.17	
02 87 13 33-0119	LF		>250 To 1,000 LF, Caulking, Mold Abatement And Disposal.....	1.61	
02 87 13 33-0120	LF		>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal.....	1.30	
02 87 13 33-0121	LF		>2,500 LF, Caulking, Mold Abatement And Disposal.....	1.13	
02 87 13 33-0122			Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)		
02 87 13 33-0123	CSF		Wipe Down Floors With Mild Bleach Solution.....	22.11	
			For >25 To 50, Deduct	-2.21	
			For >50 To 200, Deduct	-5.52	
			For >200, Deduct	-8.84	
02 87 13 33-0124	CSF		Wipe Down Walls With Mild Bleach Solution.....	26.01	
			For >25 To 50, Deduct	-2.60	
			For >50 To 200, Deduct	-6.50	
			For >200, Deduct	-10.40	
02 87 13 33-0125	CSF		Wipe Down Ceilings With Mild Bleach Solution.....	29.59	
			For >25 To 50, Deduct	-2.96	
			For >50 To 200, Deduct	-7.39	
			For >200, Deduct	-11.83	
02 87 13 33-0126	CSF		Wipe Down Countertops With Mild Bleach Solution.....	24.13	
			For >25 To 50, Deduct	-2.41	
02 87 13 33-0127	CSF		Wipe Down Other Surfaces With Mild Bleach Solution.....	30.61	
			For >25 To 50, Deduct	-3.06	
			For >50 To 200, Deduct	-7.65	
			For >200, Deduct	-12.24	
02 87 13 33-0128			Cabinets (02 87 13 33-0098)		
02 87 13 33-0129	SET		Up To 10 LF, Base Cabinet, Mold Abatement And Disposal.....	873.40	
02 87 13 33-0130	LF		>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal.....	92.13	
02 87 13 33-0131	LF		>20 LF, Base Cabinet, Mold Abatement And Disposal.....	68.19	
02 87 13 33-0132	SET		Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal.....	819.69	
02 87 13 33-0133	LF		>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal.....	77.18	
02 87 13 33-0134	LF		>20 LF, Wall Cabinet, Mold Abatement And Disposal.....	53.25	
02 87 16			Excrement Removal (02 87)		
			Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 16 13			Bird Excrement Removal (02 87 16)		
02 87 16 13-0001			Bird Waste Removal (02 87 16 13)		
			Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA		Up To 10 SF Bird Waste Removal, Up To 3" Thickness.....	795.51	
			For Work In Restricted Working Space, Add	238.65	
02 87 16 13-0003	SF		>10 To 500 SF Bird Waste Removal, Up To 3" Thickness.....	13.26	
			For Work In Restricted Working Space, Add	3.98	
02 87 16 13-0004	SF		>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness.....	12.05	
			For Work In Restricted Working Space, Add	3.62	
02 87 16 13-0005	SF		>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	10.96	
			For Work In Restricted Working Space, Add	3.29	
02 87 16 13-0006	SF		>10,000 SF Bird Waste Removal, Up To 3" Thickness.....	9.96	
			For Work In Restricted Working Space, Add	2.99	



Existing Conditions	02	02
Facility Remediation	02 80	
Bio-Hazard Material Remediation	02 87	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)

02 87 19 00-0001	EA	Barriers For Bio-Hazard And Infectious Disease Control (02 87 19)	
02 87 19 00-0002	EA	Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)	
		Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.	
02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	692.43
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	657.76
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	519.10
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	599.99
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,171.96
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	238.77
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	317.33
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	340.44
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	198.32
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008).....	1,403.06
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	198.32
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,056.41
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003).....	14.74
		Note: To seal panels to existing walls	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	324.01
02 87 19 00-0017		Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)	
		Note: Includes removal and disposal in approved landfill after use.	
02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.60
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.80
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	1.08
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.70
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.90
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	1.18
02 87 19 00-0024		Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)	
		Note: Includes removal after use.	
02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.00
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.03
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.39
02 87 19 00-0028		Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)	
		Note: Includes removal after use.	
02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	6.53
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	9.06
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	6.67
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	9.34
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	3.77
02 87 19 00-0034		Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)	
02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control.....	25.05
		Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area.....	3.12
02 87 19 00-0037		Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)	
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	22.57
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	26.57
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	37.29
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	1,487.90
		Note: Excludes gloves.	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	533.20
		Note: For installation in glove iris port.	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	849.16
		Note: For installation in glove iris port.	

02	02 Existing Conditions
	02 80 Facility Remediation
	02 87 Bio-Hazard Material Remediation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0044 EA 5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	156.61	
02 87 19 00-0045 Temporary Portable And Mobile Trailers (02 87 19)		
02 87 19 00-0046 Trailer Delivery (02 87 19 00-0045)		
02 87 19 00-0047 EA Deliver Trailer Within 25 Miles	1,215.35	
02 87 19 00-0048 Portable And Mobile Trailers, Purchase (02 87 19 00-0045)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049 EA 8' x 24' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	13,029.91 129.42	
02 87 19 00-0050 EA 8' x 32' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	18,405.99 129.42	
02 87 19 00-0051 EA 10' x 36' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	26,258.80 129.42	
02 87 19 00-0052 EA 10' x 44' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	32,809.79 129.42	
02 87 19 00-0053 EA 10' x 50' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	37,300.58 129.42	
02 87 19 00-0054 EA 12' x 50' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	39,215.81 129.42	
02 87 19 00-0055 EA 12' x 60' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	43,635.18 129.42	
02 87 19 00-0056 Accessories For Portable And Mobile Trailers (02 87 19 00-0045)		
02 87 19 00-0057 Skirting (02 87 19 00-0056)		
Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058 SF 1'-8" High Vinyl Covered Skirt	5.57	2.19
02 87 19 00-0059 SF 3' High Vinyl Covered Skirt	8.18	3.59
02 87 19 00-0060 Aluminum Modular Access Ramp (02 87 19 00-0056)		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0061 EA Up To 35" High, Aluminum Modular Access Ramp	3,813.41	41.75
02 87 19 00-0062 Aluminum Modular Stairs (02 87 19 00-0056)		
Note: Excludes earthwork		
02 87 19 00-0063 EA Aluminum Steps For Mobile Trailers	1,054.78	
02 87 19 00-0064 Decontamination Chambers For Bio-Hazard And Infectious Disease Control (02 87 19)		
Note: Includes removal after use.		
02 87 19 00-0065 EA Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,030.07	
02 87 19 00-0066 EA Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,214.50	
02 87 19 00-0067 EA Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	632.21	
02 87 19 00-0068 Bio-Hazard And Infectious Disease Control Cleaning, Level 2 (02 87 19)		
Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069 Bio-Hazard And Infectious Disease Control Cleaning Mobilization (02 87 19 00-0068)		
02 87 19 00-0070 EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up Note: Mobilization and set-up minimum for each site location.	408.68	
02 87 19 00-0071 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces (02 87 19 00-0068)		
Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		



Existing Conditions	02
Facility Remediation	02 80
Bio-Hazard Material Remediation	02 87

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0072 CSF Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	30.30	
For >25 To 50, Deduct	-3.03	
For >50 To 200, Deduct	-6.05	
For >200, Deduct	-9.08	
For Cleaning Surfaces With Goldshield® GS5, Add	14.56	
For Level 1 Biohazard Cleaning, Deduct	-6.05	
For Level 3 Biohazard Cleaning, Add	9.99	
02 87 19 00-0073 CSF Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.64	
For >25 To 50, Deduct	-3.56	
For >50 To 200, Deduct	-7.12	
For >200, Deduct	-10.68	
For Cleaning Surfaces With Goldshield® GS5, Add	14.56	
For Level 1 Biohazard Cleaning, Deduct	-7.12	
For Level 3 Biohazard Cleaning, Add	11.75	
02 87 19 00-0074 CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	40.54	
For >25 To 50, Deduct	-4.05	
For >50 To 200, Deduct	-8.10	
For >200, Deduct	-12.15	
For Cleaning Surfaces With Goldshield® GS5, Add	14.56	
For Level 1 Biohazard Cleaning, Deduct	-8.10	
For Level 3 Biohazard Cleaning, Add	13.37	
02 87 19 00-0075 CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	33.06	
For Cleaning Surfaces With Goldshield® GS5, Add	14.56	
For >5 To 10, Deduct	-1.65	
For >10 To 50, Deduct	-3.30	
For >50, Deduct	-6.61	
For Level 1 Biohazard Cleaning, Deduct	-6.61	
For Level 3 Biohazard Cleaning, Add	10.90	
02 87 19 00-0076 CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	41.95	
For >25 To 50, Deduct	-4.19	
For >50 To 200, Deduct	-8.38	
For >200, Deduct	-12.58	
For Cleaning Surfaces With Goldshield® GS5, Add	14.56	
For Level 1 Biohazard Cleaning, Deduct	-8.38	
For Level 3 Biohazard Cleaning, Add	13.83	
02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials <small>(02 87 19 00-0068)</small>		
Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078 EA Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	78.32	
For Level 1 Biohazard Cleaning, Deduct	-15.66	
For Level 3 Biohazard Cleaning, Add	25.84	
For Cleaning Surfaces With Goldshield® GS5, Add	7.28	
02 87 19 00-0079 EA Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.94	
For Level 1 Biohazard Cleaning, Deduct	-7.18	
For Level 3 Biohazard Cleaning, Add	11.85	
For Cleaning Surfaces With Goldshield® GS5, Add	4.85	
02 87 19 00-0080 EA Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	126.16	
For Level 1 Biohazard Cleaning, Deduct	-25.23	
For Level 3 Biohazard Cleaning, Add	41.62	
For Cleaning Surfaces With Goldshield® GS5, Add	7.28	
02 87 19 00-0081 EA Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	7.78	
For Level 1 Biohazard Cleaning, Deduct	-1.55	
For Level 3 Biohazard Cleaning, Add	2.56	
For Cleaning Surfaces With Goldshield® GS5, Add	1.46	
02 87 19 00-0082 EA Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	116.29	
Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
For Level 1 Biohazard Cleaning, Deduct	-23.25	
For Level 3 Biohazard Cleaning, Add	38.37	
For Cleaning Surfaces With Goldshield® GS5, Add	7.28	
02 87 19 00-0083 EA Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up	12.42	
For Level 1 Biohazard Cleaning, Deduct	-2.48	
For Level 3 Biohazard Cleaning, Add	4.09	
For Cleaning Surfaces With Goldshield® GS5, Add	1.46	
02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork <small>(02 87 19 00-0068)</small>		
02 87 19 00-0085 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.57	
For Level 1 Biohazard Cleaning, Deduct	-0.91	
For Level 3 Biohazard Cleaning, Add	1.50	
02 87 19 00-0086 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	5.73	
For Level 1 Biohazard Cleaning, Deduct	-1.13	
For Level 3 Biohazard Cleaning, Add	1.87	
02 87 19 00-0087 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	7.69	
For Level 1 Biohazard Cleaning, Deduct	-1.51	
For Level 3 Biohazard Cleaning, Add	2.50	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0088	LF		>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	10.88	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-2.13	
			<i>For Level 3 Biohazard Cleaning, Add</i>	3.51	
02 87 19 00-0089	EA		Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	204.38	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-40.87	
			<i>For Level 3 Biohazard Cleaning, Add</i>	67.44	
02 87 19 00-0090	SF		Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	14.22	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-2.84	
			<i>For Level 3 Biohazard Cleaning, Add</i>	4.68	
02 87 19 00-0091	EA		Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	136.26	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-27.25	
			<i>For Level 3 Biohazard Cleaning, Add</i>	44.96	
02 87 19 00-0092	EA		Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	408.71	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-81.74	
			<i>For Level 3 Biohazard Cleaning, Add</i>	134.86	
02 87 19 00-0093	EA		Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	34.08	
			Note: Includes removal and reinstallation.		
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-6.81	
			<i>For Level 3 Biohazard Cleaning, Add</i>	11.24	
02 87 19 00-0094	SF		Apply Sporidicin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.60	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.11	
			<i>For Level 3 Biohazard Cleaning, Add</i>	0.18	
02 87 19 00-0095	SF		Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.69	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.11	
			<i>For Level 3 Biohazard Cleaning, Add</i>	0.18	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	127.90	
02 87 19 00-0098	WK		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	544.76	
02 87 19 00-0099	MO		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,525.31	
02 87 19 00-0100	DAY		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	155.99	
02 87 19 00-0101	WK		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	428.98	
02 87 19 00-0102	MO		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up.....	1,169.93	
02 87 19 00-0103	DAY		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	45.88	
02 87 19 00-0104	WK		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	126.17	
02 87 19 00-0105	MO		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	344.10	
02 87 19 00-0106	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	70.90	
02 87 19 00-0107	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	291.20	
02 87 19 00-0108	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	879.94	
02 87 19 00-0109	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up	156.32	
			Note: Required if over 800 hours operation.		
02 87 19 00-0110	DAY		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	435.08	
02 87 19 00-0111	WK		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	870.16	
02 87 19 00-0112	MO		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,740.31	
02 87 19 00-0113	DAY		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	580.10	
02 87 19 00-0114	WK		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,160.21	
02 87 19 00-0115	MO		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,320.42	
02 87 19 00-0116	DAY		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	979.47	
02 87 19 00-0117	WK		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,958.93	
02 87 19 00-0118	MO		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,917.87	
02 87 19 00-0119	DAY		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,305.96	
02 87 19 00-0120	WK		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,611.91	
02 87 19 00-0121	MO		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	5,223.82	
02 87 19 00-0122	DAY		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,632.45	
02 87 19 00-0123	WK		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,264.89	
02 87 19 00-0124	MO		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	6,529.78	
02 87 19 00-0125	EA		Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	124.98	
			Note: Includes staking down tent.		
02 87 19 00-0126	EA		Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	249.97	
			Note: Includes staking down tent.		
02 87 19 00-0127	EA		Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	749.91	
			Note: Includes staking down tent.		
02 87 19 00-0128	EA		Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,499.81	
			Note: Includes staking down tent.		
02 87 19 00-0129	EA		Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,499.69	
			Note: Includes staking down tent.		
02 87 19 00-0130	DAY		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	95.14	
02 87 19 00-0131	WK		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	261.63	
02 87 19 00-0132	MO		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	713.53	



Existing Conditions	02	02
Facility Remediation	02 80	
Bio-Hazard Material Remediation	02 87	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck <small>(02 87 19)</small>		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134 EA Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	110.40	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
02 87 19 00-0135 EA Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up.....	166.52	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
02 87 19 00-0136 EA Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	2.08	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
02 87 19 00-0137 EA Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	179.14	
Note: Each first 15 miles per trip		
For Each Additional Mile Over First 15 Miles, Add Per Mile		
	2.24	
02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal <small>(02 87 19)</small>		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139 CY Bio-Hazard And Infectious Disease Control Landfill Dump Fee.....	48.34	
02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters <small>(02 87 19)</small>		
Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141 EA 20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	45,283.19	
02 87 19 00-0142 EA 7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST).....	4,353.23	
02 87 19 00-0143 EA Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04).....	7,202.84	
02 87 19 00-0144 SF Sub Flooring For Medical Shelter (AKS-AB846).....	6.72	
02 87 19 00-0145 EA Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5).....	1,977.03	
02 87 19 00-0146 EA Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5).....	32,381.23	
02 87 19 00-0147 EA 3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915).....	1,128.67	
02 87 19 00-0148 EA Negative Pressure Isolation (NPI) System (AK-NPIS-5).....	50,967.53	
Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case		
02 87 19 00-0149 EA 6' Step Ladder (AKS-AC595).....	307.40	
02 87 19 00-0150 EA 10 Lbs Sledgehammer (AKS-AA268)	93.16	
02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks <small>(02 87 19)</small>		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor <small>(02 87 19 00-0151)</small>		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153 HR General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	107.08	
02 87 19 00-0154 HR Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up.....	151.15	
02 87 19 00-0155 HR Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	102.85	
02 87 19 00-0156 HR Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	123.67	
02 87 19 00-0157 HR Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	136.00	
02 87 19 00-0158 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment <small>(02 87 19 00-0151)</small>		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159 EA Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	15.19	
02 87 19 00-0160 EA Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	23.65	
02 87 19 00-0161 PR Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	15.33	
02 87 19 00-0162 EA Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	125.72	
02 87 19 00-0163 EA Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	53.06	
02 87 19 00-0164 EA Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	383.55	
Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension		
02 87 19 00-0165 EA 14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	52.43	
Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010		
02 87 19 00-0166 EA 19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	95.26	
Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.		
02 87 19 00-0167 BOX Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	27.53	
02 87 19 00-0168 EA Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	23.51	

02	02 Existing Conditions
	02 80 Facility Remediation
	02 87 Bio-Hazard Material Remediation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0169 EA Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....2,563.76
 Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly

02 87 19 00-0170 Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0151)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0033 for temporary walls.

02 87 19 00-0171 GAL Bleach For Bio-Hazard And Infectious Disease Control Clean-up 11.84
 02 87 19 00-0172 EA N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up 4.22
 02 87 19 00-0173 GAL Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up 116.03
 02 87 19 00-0174 GAL Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up 349.34
 Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days
 02 87 19 00-0175 QT Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up..... 11.70
 02 87 19 00-0176 EA Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up 6.02
 02 87 19 00-0177 ROL Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up 15.10
 02 87 19 00-0178 EA UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up 76.33
 02 87 19 00-0179 ROL Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up 60.87
 02 87 19 00-0180 LB Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up 8.54
 02 87 19 00-0181 EA Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up..... 18.80
 02 87 19 00-0182 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up 187.36

02 89 Hazmat Ancillary Tasks and Support (02 80)

02 89 00 00-0001 Barriers And Protection (02 89)
 Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)
 See CSI section 01 56 16 00-0033 for temporary stud walls.

02 89 00 00-0003 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)

02 89 00 00-0004 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction 0.48
 02 89 00 00-0005 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction 0.63
 02 89 00 00-0006 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction 0.85
 02 89 00 00-0007 SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction..... 0.72
 02 89 00 00-0008 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction 0.92
 02 89 00 00-0009 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction 1.21

02 89 00 00-0010 Decontamination Chambers (02 89)

Note: Includes removal after use.

02 89 00 00-0011 EA 3 Stage Portable Personnel Decontamination Wash Facility 1,038.06
 Note: Includes connection to negative air system.
 02 89 00 00-0012 EA 5 Stage Portable Personnel Decontamination Wash Facility 1,224.09
 Note: Includes connection to negative air system.
 02 89 00 00-0013 EA Portable Waste Decontamination Unit 638.60
 Note: Includes connection to negative air system.
 For Dismantling And Relocation To A Different Area, Add 414.78

02 90 Disaster Recovery (02)

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

02 90 50 Cleaning and Disaster Clean-up (02 90)

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)
 Note: For materials not requiring mold abatement.

02 90 50 00-0002 SY Wet Broadloom Carpet Removal For Disaster Clean-up 26.41
 02 90 50 00-0003 SY Wet Carpet Tile Removal For Disaster Clean-up 6.42
 02 90 50 00-0004 SF Wet Batt Insulation Removal For Disaster Clean-up 0.54
 02 90 50 00-0005 SF Wet Ceiling Tile Removal For Disaster Clean-up 0.64
 02 90 50 00-0006 SF Single Layer, Wet Gypsum Board Removal For Disaster Clean-up 0.62
 02 90 50 00-0007 SF Double Layer, Wet Gypsum Board Removal For Disaster Clean-up 0.98

02 90 50 00-0008 Cleaning (02 90 50)

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)

02 90 50 00-0010 EA Office Equipment, Exterior Wipe For Disaster Clean-up 29.33
 For Medium Clean, Add 12.32
 For Heavy Clean, Add 38.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.63 0.68 2.12	
02 90 50 00-0012 LF Shelving, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	2.93 1.23 3.81	
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	8.47 3.56 11.01	
02 90 50 00-0014 EA Upholstered Chair, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	27.37 11.50 35.58	
02 90 50 00-0015 EA Upholstered Sofa, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	168.82 70.90 219.47	
02 90 50 00-0016 EA Desk, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	34.54 14.51 44.90	
02 90 50 00-0017 EA Table, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	32.59 13.69 42.37	
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	7.15 3.00 9.30	
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	9.15 3.84 11.90	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	7.50 3.15 9.75	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	14.66 6.16 19.06	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	7.50 3.15 9.75	
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	13.04 5.48 16.95	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	3.13 1.31 4.07	
02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.43 0.18 0.56	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	5.54 2.33 7.20	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	6.29 2.64 8.18	
02 90 50 00-0029 SF Overhead Door, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.44 0.18 0.57	
02 90 50 00-0030 SF Mirror, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.33 0.14 0.43	
02 90 50 00-0031 SF Window, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.96 0.40 1.25	
02 90 50 00-0032 LF Handrail, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.85 0.36 1.11	
02 90 50 00-0033 LF Bumper Rail, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.45 0.19 0.59	
02 90 50 00-0034 SF Hard Floor, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.37 0.16 0.48	
02 90 50 00-0035 SF Carpet, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.40 0.17 0.52	
02 90 50 00-0036 SF Hard Ceiling, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.30 0.13 0.39	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.33 0.14 0.43	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.27 0.11 0.35	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0039 SF Wall, Light Clean For Disaster Clean-up.....	0.19	
For Medium Clean, Add	0.08	
For Heavy Clean, Add	0.25	
02 90 50 00-0040 SF Masonry Wall, Light Clean For Disaster Clean-up.....	0.27	
For Medium Clean, Add	0.11	
For Heavy Clean, Add	0.35	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	68.73	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	28.87	
For Heavy Clean, Add	89.35	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	85.92	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	36.09	
For Heavy Clean, Add	111.70	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	103.10	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	43.30	
For Heavy Clean, Add	134.03	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	120.29	
For Medium Clean, Add	50.52	
For Heavy Clean, Add	156.38	
02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046 SF Window Blind, Light Clean For Disaster Clean-up.....	0.75	
For Medium Clean, Add	0.32	
For Heavy Clean, Add	0.98	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.53	
For Medium Clean, Add	0.64	
For Heavy Clean, Add	1.99	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.75	
For Medium Clean, Add	0.74	
For Heavy Clean, Add	2.28	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.61	
For Medium Clean, Add	0.68	
For Heavy Clean, Add	2.09	
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.84	
For Medium Clean, Add	0.77	
For Heavy Clean, Add	2.39	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.97	
For Medium Clean, Add	0.83	
For Heavy Clean, Add	2.56	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.26	
For Medium Clean, Add	0.95	
For Heavy Clean, Add	2.94	
02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)		
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	13.50	
For Medium Clean, Add	5.67	
For Heavy Clean, Add	17.55	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean For Disaster Clean-up.....	31.82	
For Medium Clean, Add	13.36	
For Heavy Clean, Add	41.37	
02 90 50 00-0056 EA Range, Outside, Light Clean For Disaster Clean-up.....	27.50	
For Medium Clean, Add	11.55	
For Heavy Clean, Add	35.75	
02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)		
02 90 50 00-0058 EA Water Heater, Light Clean For Disaster Clean-up.....	19.55	
For Medium Clean, Add	8.21	
For Heavy Clean, Add	25.42	
02 90 50 00-0059 EA Plumbing Fixture, Light Clean For Disaster Clean-up.....	19.75	
For Medium Clean, Add	8.30	
For Heavy Clean, Add	25.68	
02 90 50 00-0060 EA Restroom Accessory, Light Clean For Disaster Clean-up.....	9.06	
For Medium Clean, Add	3.81	
For Heavy Clean, Add	11.78	
02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)		
02 90 50 00-0062 LF Baseboard Heater, Light Clean For Disaster Clean-up.....	5.84	
For Medium Clean, Add	2.45	
For Heavy Clean, Add	7.59	
02 90 50 00-0063 LF Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up.....	16.29	
For Medium Clean, Add	6.84	
For Heavy Clean, Add	21.18	
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up.....	62.57	
For Medium Clean, Add	26.28	
For Heavy Clean, Add	81.34	
02 90 50 00-0065 EA Grille/Register, Light Clean For Disaster Clean-up.....	5.87	
For Medium Clean, Add	2.47	
For Heavy Clean, Add	7.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	40.62 17.06 52.81	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	36.17 15.19 47.02	
02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)		
02 90 50 00-0069 EA Electric Fan, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	24.12 10.13 31.36	
02 90 50 00-0070 EA Ceiling Fan, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	26.07 10.95 33.89	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	33.90 14.24 44.07	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	23.79 9.99 30.93	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	15.65 6.57 20.35	
02 90 50 00-0074 EA Light Fixture, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	7.17 3.01 9.32	
02 90 50 00-0075 EA Smoke Detector, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	5.54 2.33 7.20	
02 90 50 00-0076 EA Thermostat, Light Clean For Disaster Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.96 0.82 2.55	
02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	
02 90 50 00-0079 Contents Manipulation (02 90 50)		
02 90 50 00-0080 SF Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.25	
02 90 50 00-0081 SF Floor Protection, Adhesive Film For Disaster Clean-up	0.30	
02 90 50 00-0082 SF Move Contents Out And Later Reset For Disaster Clean-up	0.52	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer For Disaster Clean-up	193.09	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer For Disaster Clean-up	256.07	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	151.60	
02 90 50 00-0086 Water Disaster Clean-up (02 90 50)		
02 90 50 00-0087 LF Detach Baseboard For Disaster Clean-up	0.67	
02 90 50 00-0088 LF Detach And Later Reset Baseboard For Disaster Clean-up	1.20	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.45	
02 90 50 00-0090 SF Water Extraction From Floor For Disaster Clean-up	0.46	
02 90 50 00-0091 SF Gray Water Extraction From Floor For Disaster Clean-up	0.75	
02 90 50 00-0092 SF Black Water Extraction From Floor For Disaster Clean-up	1.18	
02 90 50 00-0093 SF Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.37	
02 90 50 00-0094 SF Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095 SF Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.66	
02 90 50 00-0096 SF Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.96	
02 90 50 00-0097 SF Tear Out Vinyl Flooring For Disaster Clean-up	0.91	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.33	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.45	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring For Disaster Clean-up	1.69	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.49	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile For Disaster Clean-up	0.28	
02 90 50 00-0103 SF Tear Out Batt Insulation For Disaster Clean-up	0.28	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105 SF Apply Anti-microbial Agent For Disaster Clean-up	0.28	
02 90 50 00-0106 SF High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36	
02 90 50 00-0107 Board Up And Tarp Up (02 90 50)		
02 90 50 00-0108 SF Polyethylene Tarp On Roof For Disaster Clean-up	0.28	
02 90 50 00-0109 SF 1/2" Temporary Plywood On Roof For Disaster Clean-up	1.57	
02 90 50 00-0110 SF 5/8" Temporary Plywood On Roof For Disaster Clean-up	1.85	
02 90 50 00-0111 SF 3/4" Temporary Plywood On Roof For Disaster Clean-up	2.02	
02 90 50 00-0112 SF 1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.96	
02 90 50 00-0113 SF 5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.24	
02 90 50 00-0114 SF 3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.41	

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0115		Minimum Charges <small>(02 90 50)</small>	
02 90 50 00-0116	EA	Disaster Cleaning Minimum Charge	1,405.43
02 90 50 00-0117	EA	Disaster Water Extraction Minimum Charge	291.42
02 90 50 00-0118	EA	Disaster Carpet Cleaning Minimum Charge	248.62

02 90 50 00-0119		Document Restoration <small>(02 90 50)</small>	
02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	128.39
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	64.18
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.14
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.08
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	20.51
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	5.85
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	12.85
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	12.85
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	385.15
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	51.34
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	5.16
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.08
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	126.57
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.08
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.08
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.08
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	189.68
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.08
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.08
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.20
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	253.10
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.20
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.20
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.09
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.09
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.09
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Documnt Per CF For Document Restoration	316.31
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.18
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Documnt Per CF For Document Restoration	474.61
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.18
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.18
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	3.97
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.92
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	128.39
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	179.75
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	3.97
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.92
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	5.16
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	12.85
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	51.34
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.41
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.62
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.63
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.53
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.39
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	9.28
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	18.00
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	72.11
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	19.68
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	231.09
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	179.75
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	154.06
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	205.42
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	385.15
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	236.27
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	51.34
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	6.42
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	12.85
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	131.61
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	112.81
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration	3,102.16
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	28.20
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,306.67
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	235.01
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	12.85
02 90 50 00-0185	CF	Ozoning For Document Restoration	8.34
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.36
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.12
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	31.57

02 90 55 Emergency Clean-up (02 90)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 55 00-0001			Emergency Clean-up <small>(02 90 55)</small> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0002			Emergency Clean-up Labor <small>(02 90 55 00-0001)</small> Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0003	HR		Skilled Tradesman For Emergency Clean Up.....	61.68	
02 90 55 00-0004	HR		Restoration / Document Laborer For Emergency Clean Up.....	43.18	
02 90 55 00-0005	HR		Restoration / Document Supervisor For Emergency Clean Up.....	59.37	
02 90 55 00-0006	HR		Restoration / Document Project Manager For Emergency Clean Up.....	97.15	
02 90 55 00-0007	HR		Assistant Project Manager For Emergency Clean Up.....	80.96	
02 90 55 00-0008	HR		Senior Project Manager For Emergency Clean Up.....	113.34	
02 90 55 00-0009	HR		Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	161.91	
02 90 55 00-0010	HR		Equipment Technician For Emergency Clean Up.....	118.73	
02 90 55 00-0011	HR		Mold Remediation Laborer For Emergency Clean Up.....	59.11	
02 90 55 00-0012	HR		Mold Remediation Supervisor For Emergency Clean Up.....	80.96	
02 90 55 00-0013	HR		Administrative Personnel For Emergency Clean Up.....	37.78	
02 90 55 00-0014	HR		Project Accountant For Emergency Clean Up.....	61.68	
02 90 55 00-0015	HR		Biohazard Technician For Emergency Clean Up.....	85.71	
02 90 55 00-0016	HR		Biohazard Supervisor For Emergency Clean Up.....	103.06	
02 90 55 00-0017	HR		Health And Safety Officer For Emergency Clean Up.....	92.52	
02 90 55 00-0018	HR		Resource And Logistics Coordinator For Emergency Clean Up.....	66.82	
02 90 55 00-0019	HR		Loss Control Specialist For Emergency Clean Up.....	64.76	
02 90 55 00-0020	HR		Moisture Control Specialist For Emergency Clean Up.....	53.46	
02 90 55 00-0021	HR		Mobilization Support For Emergency Clean Up.....	32.90	

02 90 55 00-0022			Emergency Clean-up Equipment <small>(02 90 55 00-0001)</small> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0023			General Emergency Clean-up Equipment <small>(02 90 55 00-0022)</small>		
02 90 55 00-0024	DAY		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	127.90	
02 90 55 00-0025	WK		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	487.91	
02 90 55 00-0026	MO		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	1,335.83	
02 90 55 00-0027	DAY		13" Floor Buffer Rental For Emergency Clean-up.....	55.06	
02 90 55 00-0028	WK		13" Floor Buffer Rental For Emergency Clean-up.....	147.10	
02 90 55 00-0029	MO		13" Floor Buffer Rental For Emergency Clean-up.....	406.07	
02 90 55 00-0030	DAY		17" Floor Buffer Rental For Emergency Clean-up.....	101.52	
02 90 55 00-0031	WK		17" Floor Buffer Rental For Emergency Clean-up.....	258.98	
02 90 55 00-0032	MO		17" Floor Buffer Rental For Emergency Clean-up.....	611.18	
02 90 55 00-0033	DAY		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	559.39	
02 90 55 00-0034	WK		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	1,502.06	
02 90 55 00-0035	MO		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	4,185.04	
02 90 55 00-0036	DAY		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	1,263.80	
02 90 55 00-0037	WK		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	3,335.60	
02 90 55 00-0038	MO		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	8,991.61	
02 90 55 00-0039	DAY		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	91.16	
02 90 55 00-0040	WK		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	258.98	
02 90 55 00-0041	MO		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	890.87	
02 90 55 00-0042	DAY		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	84.94	
02 90 55 00-0043	WK		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	227.90	
02 90 55 00-0044	MO		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	590.46	
02 90 55 00-0045	DAY		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	135.91	
02 90 55 00-0046	WK		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	387.84	
02 90 55 00-0047	MO		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	1,083.97	
02 90 55 00-0048	DAY		Truck Mounted Extractor Rental For Emergency Clean-up.....	965.45	
02 90 55 00-0049	WK		Truck Mounted Extractor Rental For Emergency Clean-up.....	2,896.34	
02 90 55 00-0050	MO		Truck Mounted Extractor Rental For Emergency Clean-up.....	8,689.03	
02 90 55 00-0051	DAY		16" Chain Saw Rental For Emergency Clean-up.....	99.45	
02 90 55 00-0052	WK		16" Chain Saw Rental For Emergency Clean-up.....	223.75	
02 90 55 00-0053	MO		16" Chain Saw Rental For Emergency Clean-up.....	596.68	
02 90 55 00-0054	DAY		20" Chain Saw Rental For Emergency Clean-up.....	124.31	
02 90 55 00-0055	WK		20" Chain Saw Rental For Emergency Clean-up.....	279.69	
02 90 55 00-0056	MO		20" Chain Saw Rental For Emergency Clean-up.....	745.85	
02 90 55 00-0057	EA		Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up.....	93.23	
02 90 55 00-0058	DAY		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	132.60	
02 90 55 00-0059	WK		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	362.56	
02 90 55 00-0060	MO		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	1,015.18	
02 90 55 00-0061	DAY		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	161.60	
02 90 55 00-0062	WK		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	549.03	
02 90 55 00-0063	MO		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	1,046.26	
02 90 55 00-0064	DAY		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	155.99	
02 90 55 00-0065	WK		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	428.98	
02 90 55 00-0066	MO		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	1,169.93	
02 90 55 00-0067	DAY		Extension Cords - 220 Volt For Emergency Clean-up.....	51.80	
02 90 55 00-0068	DAY		Extension Cords - 220 Volt Converter Box For Emergency Clean-up.....	31.08	
02 90 55 00-0069	DAY		Demolition Cart, 1 Yard For Emergency Clean-up.....	82.87	
02 90 55 00-0070	WK		Demolition Cart, 1 Yard For Emergency Clean-up.....	227.90	
02 90 55 00-0071	MO		Demolition Cart, 1 Yard For Emergency Clean-up.....	621.54	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0072	DAY		Demolition Cart, 1-1/2 Yard For Emergency Clean-up	103.59	
02 90 55 00-0073	WK		Demolition Cart, 1-1/2 Yard For Emergency Clean-up	284.87	
02 90 55 00-0074	MO		Demolition Cart, 1-1/2 Yard For Emergency Clean-up	776.92	
02 90 55 00-0075	EA		Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	155.38	
02 90 55 00-0076	DAY		Dry-Ice Blasting System For Emergency Clean-up.....	1,830.28	
02 90 55 00-0077	DAY		Fogger - Mist For Emergency Clean-up.....	45.88	
02 90 55 00-0078	WK		Fogger - Mist For Emergency Clean-up.....	126.17	
02 90 55 00-0079	MO		Fogger - Mist For Emergency Clean-up.....	344.10	
02 90 55 00-0080	DAY		Fogger - Electric Thermal For Emergency Clean-up	66.07	
02 90 55 00-0081	WK		Fogger - Electric Thermal For Emergency Clean-up	181.68	
02 90 55 00-0082	MO		Fogger - Electric Thermal For Emergency Clean-up	495.50	
02 90 55 00-0083	DAY		Fogger - Gas Power Thermal For Emergency Clean-up.....	191.10	
02 90 55 00-0084	WK		Fogger - Gas Power Thermal For Emergency Clean-up.....	525.52	
02 90 55 00-0085	MO		Fogger - Gas Power Thermal For Emergency Clean-up.....	1,433.23	
02 90 55 00-0086	EA		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	218.48	
02 90 55 00-0087	WK		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	600.81	
02 90 55 00-0088	MO		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	1,638.56	
02 90 55 00-0089	DAY		Hand Trucks/Dollies For Emergency Clean-up.....	24.86	
02 90 55 00-0090	WK		Hand Trucks/Dollies For Emergency Clean-up.....	68.37	
02 90 55 00-0091	MO		Hand Trucks/Dollies For Emergency Clean-up.....	186.46	
02 90 55 00-0092	DAY		Heat Gun - Shrink Wrap For Emergency Clean-up.....	141.01	
02 90 55 00-0093	WK		Heat Gun - Shrinkwrap For Emergency Clean-up	387.77	
02 90 55 00-0094	MO		Heat Gun - Shrinkwrap For Emergency Clean-up	1,057.56	
02 90 55 00-0095	DAY		High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up.....	192.26	
			Note: Includes all filters.		
02 90 55 00-0096	DAY		Ladder For Emergency Clean-up.....	35.22	
02 90 55 00-0097	DAY		Lights - Demo, Drop, Stand, String For Emergency Clean-up	33.03	
02 90 55 00-0098	DAY		Lights - Wobble For Emergency Clean-up.....	40.37	
02 90 55 00-0099	DAY		Moisture Meter For Emergency Clean-up	55.06	
02 90 55 00-0100	WK		Moisture Meter For Emergency Clean-up	151.40	
02 90 55 00-0101	MO		Moisture Meter For Emergency Clean-up	412.92	
02 90 55 00-0102	DAY		Nail Gun For Emergency Clean-up.....	93.23	
02 90 55 00-0103	WK		Nail Gun For Emergency Clean-up.....	256.39	
02 90 55 00-0104	MO		Nail Gun For Emergency Clean-up.....	699.23	
02 90 55 00-0105	DAY		Ozone Generator For Emergency Clean-up	229.40	
02 90 55 00-0106	DAY		PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	124.31	
02 90 55 00-0107	DAY		Portable Generator, Up To 7,500 Watt For Emergency Clean-up	183.52	
02 90 55 00-0108	DAY		Pressure Washer, Hot For Emergency Clean-up.....	275.28	
02 90 55 00-0109	DAY		Pressure Washer, Cold For Emergency Clean-up.....	183.52	
02 90 55 00-0110	DAY		Scaffolding - Per Section For Emergency Clean-up	134.67	
02 90 55 00-0111	DAY		Small Tools - Tool Box For Emergency Clean-up.....	51.80	
02 90 55 00-0112	DAY		Soda Blasting Equipment For Emergency Clean-up.....	1,816.18	
02 90 55 00-0113	DAY		Sprayer - Hudson For Emergency Clean-up.....	16.57	
02 90 55 00-0114	WK		Sprayer - Hudson For Emergency Clean-up.....	45.58	
02 90 55 00-0115	MO		Sprayer - Hudson For Emergency Clean-up.....	124.31	
02 90 55 00-0116	DAY		0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	111.96	
02 90 55 00-0117	WK		0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	329.42	
02 90 55 00-0118	MO		0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	1,127.52	
02 90 55 00-0119	DAY		0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	220.77	
02 90 55 00-0120	WK		0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	520.39	
02 90 55 00-0121	MO		0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,450.80	
02 90 55 00-0122	DAY		0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	236.54	
02 90 55 00-0123	WK		0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	591.35	
02 90 55 00-0124	MO		0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,592.72	
02 90 55 00-0125	DAY		Storage Space (Per SF Per Day) For Emergency Clean-up.....	4.55	
02 90 55 00-0126	DAY		Submersible Pump For Emergency Clean-up.....	45.88	
02 90 55 00-0127	DAY		Trash Pump - 2" Gas Powered For Emergency Clean-up	261.33	
02 90 55 00-0128	DAY		Vehicle, Pick-up, SUV, Car For Emergency Clean-up	129.73	
02 90 55 00-0129	DAY		Vehicle, Van For Emergency Clean-up.....	211.51	
02 90 55 00-0130	DAY		16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	265.41	
			Note: Includes Mileage		
02 90 55 00-0131	DAY		Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	281.08	
02 90 55 00-0132	DAY		Utility Trailer For Emergency Clean-up.....	234.07	
			Note: Includes Mileage		
02 90 55 00-0133	DAY		Truck Mount, Per Wand Extraction For Emergency Clean-up	1,055.68	
02 90 55 00-0134	DAY		High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	45.88	
02 90 55 00-0135	WK		High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	126.17	
02 90 55 00-0136	MO		High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	344.10	
02 90 55 00-0137	DAY		12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	155.99	
02 90 55 00-0138	WK		12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	428.98	
02 90 55 00-0139	MO		12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	1,169.93	
02 90 55 00-0140	DAY		Vacuum - Upright For Emergency Clean-up	31.02	
02 90 55 00-0141	WK		Vacuum - Upright For Emergency Clean-up.....	85.31	
02 90 55 00-0142	MO		Vacuum - Upright For Emergency Clean-up.....	232.66	
02 90 55 00-0143	DAY		12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	64.23	
02 90 55 00-0144	WK		12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	159.53	
02 90 55 00-0145	MO		12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up.....	383.28	
02 90 55 00-0146	DAY		55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	64.23	
02 90 55 00-0147	WK		55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	159.53	
02 90 55 00-0148	MO		55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	404.00	
02 90 55 00-0149	DAY		17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	147.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0150 WK 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	393.64	
02 90 55 00-0151 MO 17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	1,098.05	
02 90 55 00-0152 DAY Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	45.88	
02 90 55 00-0153 WK Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	126.17	
02 90 55 00-0154 MO Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	344.10	
02 90 55 00-0155 DAY 10' x 10' Canopy For Emergency Clean-up	130.52	
02 90 55 00-0156 WK 10' x 10' Canopy For Emergency Clean-up	261.05	
02 90 55 00-0157 MO 10' x 10' Canopy For Emergency Clean-up	522.09	
02 90 55 00-0158 DAY 10' x 20' Canopy For Emergency Clean-up	261.05	
02 90 55 00-0159 WK 10' x 20' Canopy For Emergency Clean-up	522.09	
02 90 55 00-0160 MO 10' x 20' Canopy For Emergency Clean-up	1,044.19	
02 90 55 00-0161 DAY 16' x 16' Canopy For Emergency Clean-up	327.34	
02 90 55 00-0162 WK 16' x 16' Canopy For Emergency Clean-up	654.69	
02 90 55 00-0163 MO 16' x 16' Canopy For Emergency Clean-up	1,309.38	
02 90 55 00-0164 DAY 20' x 20' Canopy For Emergency Clean-up	435.08	
02 90 55 00-0165 WK 20' x 20' Canopy For Emergency Clean-up	870.16	
02 90 55 00-0166 MO 20' x 20' Canopy For Emergency Clean-up	1,740.31	
02 90 55 00-0167 DAY 20' x 30' Canopy For Emergency Clean-up	497.23	
02 90 55 00-0168 WK 20' x 30' Canopy For Emergency Clean-up	994.46	
02 90 55 00-0169 MO 20' x 30' Canopy For Emergency Clean-up	1,988.93	
02 90 55 00-0170 DAY 20' x 40' Canopy For Emergency Clean-up	580.10	
02 90 55 00-0171 WK 20' x 40' Canopy For Emergency Clean-up	1,160.21	
02 90 55 00-0172 MO 20' x 40' Canopy For Emergency Clean-up	2,320.42	
02 90 55 00-0173 DAY First Aid Station For Emergency Clean-up	313.26	
02 90 55 00-0174 WK First Aid Station For Emergency Clean-up	861.45	
02 90 55 00-0175 MO First Aid Station For Emergency Clean-up	2,349.42	
02 90 55 00-0176 DAY Portable Eyewash Station For Emergency Clean-up	95.14	
02 90 55 00-0177 WK Portable Eyewash Station For Emergency Clean-up	261.63	
02 90 55 00-0178 MO Portable Eyewash Station For Emergency Clean-up	713.53	
02 90 55 00-0179 DAY 2 Way Radio For Emergency Clean-up	39.48	
02 90 55 00-0180	Technical/Electronics Restoration Equipment (02 90 55 00-0022)	
02 90 55 00-0181 DAY Computer - Diagnostic For Emergency Clean-up	51.80	
02 90 55 00-0182 WK Computer - Diagnostic For Emergency Clean-up	142.44	
02 90 55 00-0183 MO Computer - Diagnostic For Emergency Clean-up	388.46	
02 90 55 00-0184 DAY Convection Oven - Large For Emergency Clean-up	820.66	
02 90 55 00-0185 WK Convection Oven - Large For Emergency Clean-up	2,256.82	
02 90 55 00-0186 MO Convection Oven - Large For Emergency Clean-up	6,154.98	
02 90 55 00-0187 DAY Convection Oven - Small For Emergency Clean-up	186.46	
02 90 55 00-0188 WK Convection Oven - Small For Emergency Clean-up	512.77	
02 90 55 00-0189 MO Convection Oven - Small For Emergency Clean-up	1,398.46	
02 90 55 00-0190 DAY Convection Oven - Vacuum For Emergency Clean-up	1,171.30	
02 90 55 00-0191 WK Convection Oven - Vacuum For Emergency Clean-up	3,221.08	
02 90 55 00-0192 MO Convection Oven - Vacuum For Emergency Clean-up	8,784.77	
02 90 55 00-0193 DAY Decontamination Booth For Emergency Clean-up	968.25	
02 90 55 00-0194 WK Decontamination Booth For Emergency Clean-up	2,662.69	
02 90 55 00-0195 MO Decontamination Booth For Emergency Clean-up	7,261.89	
02 90 55 00-0196 DAY DI Water System For Emergency Clean-up	75.20	
02 90 55 00-0197 WK DI Water System For Emergency Clean-up	206.81	
02 90 55 00-0198 MO DI Water System For Emergency Clean-up	564.03	
02 90 55 00-0199 DAY ESD Bench Workstation For Emergency Clean-up	46.06	
02 90 55 00-0200 WK ESD Bench Workstation For Emergency Clean-up	126.67	
02 90 55 00-0201 MO ESD Bench Workstation For Emergency Clean-up	345.47	
02 90 55 00-0202 DAY Heater/Enclosure Control System For Emergency Clean-up	31.08	
02 90 55 00-0203 WK Heater/Enclosure Control System For Emergency Clean-up	85.46	
02 90 55 00-0204 MO Heater/Enclosure Control System For Emergency Clean-up	233.08	
02 90 55 00-0205 DAY Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	118.45	
02 90 55 00-0206 WK Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	325.73	
02 90 55 00-0207 MO Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	888.35	
02 90 55 00-0208 DAY Micro-Blaster/Dust Collector For Emergency Clean-up	466.16	
02 90 55 00-0209 WK Micro-Blaster/Dust Collector For Emergency Clean-up	1,281.93	
02 90 55 00-0210 MO Micro-Blaster/Dust Collector For Emergency Clean-up	3,496.16	
02 90 55 00-0211 DAY Mobile Laboratory For Emergency Clean-up	1,294.88	
02 90 55 00-0212 WK Mobile Laboratory For Emergency Clean-up	3,560.91	
02 90 55 00-0213 MO Mobile Laboratory For Emergency Clean-up	9,711.56	
02 90 55 00-0214 DAY Nitrogen Enclosure Cabinet For Emergency Clean-up	24.86	
02 90 55 00-0215 WK Nitrogen Enclosure Cabinet For Emergency Clean-up	68.37	
02 90 55 00-0216 MO Nitrogen Enclosure Cabinet For Emergency Clean-up	186.46	
02 90 55 00-0217 DAY Odell Cleaning Station For Emergency Clean-up	725.13	
02 90 55 00-0218 WK Odell Cleaning Station For Emergency Clean-up	1,984.11	
02 90 55 00-0219 MO Odell Cleaning Station For Emergency Clean-up	5,438.48	
02 90 55 00-0220 DAY Parts Washer For Emergency Clean-up	51.80	
02 90 55 00-0221 WK Parts Washer For Emergency Clean-up	142.44	
02 90 55 00-0222 MO Parts Washer For Emergency Clean-up	388.46	
02 90 55 00-0223 DAY Ultrasonic Cleaning System For Emergency Clean-up	352.52	
02 90 55 00-0224 WK Ultrasonic Cleaning System For Emergency Clean-up	969.43	
02 90 55 00-0225 MO Ultrasonic Cleaning System For Emergency Clean-up	2,643.89	
02 90 55 00-0226 DAY Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	155.99	
02 90 55 00-0227 WK Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	428.98	
02 90 55 00-0228 MO Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,169.93	

02 Existing Conditions

02 90 Disaster Recovery

02 90 55 Emergency Clean-up

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0229	Drying/Dehumidification Equipment <small>(02 90 55 00-0022)</small>		
02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	229.40
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	630.85
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	1,720.49
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up.....	57.63
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up.....	158.49
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up.....	432.25
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up.....	96.05
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up.....	264.15
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up.....	720.41
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up.....	284.45
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up.....	782.25
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up.....	2,133.41
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	183.52
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	504.68
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,376.39
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	258.98
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	712.18
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,942.31
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	253.43
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	696.94
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,900.73
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	270.91
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	745.00
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	2,031.82
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	270.91
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	745.00
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	2,031.82
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up.....	305.86
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up.....	841.13
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up.....	2,293.99
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up.....	642.32
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up.....	1,766.37
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up.....	4,817.37
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	1,101.11
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	3,028.06
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	8,258.36
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	1,695.37
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	4,662.26
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	12,715.24
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	1,695.37
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	4,662.26
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	12,715.24
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	1,770.52
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	4,868.93
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	13,278.91
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	2,202.23
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	6,056.13
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	16,516.71
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	2,477.51
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	6,813.14
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	18,581.30
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	2,661.03
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	7,317.82
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	19,957.69
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	3,495.60
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	9,612.90
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	26,217.00
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	3,670.38
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	10,093.54
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	27,527.85
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	641.58
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,764.36
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,811.88
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	888.35
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,442.95
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,662.60
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,101.11
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,028.06
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	8,258.36
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,468.15
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,037.42
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	11,011.14
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,477.51
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,813.14
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	18,581.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,752.78	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,570.16	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	20,645.89	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	36.70	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	100.94	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	275.28	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	51.80	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	142.44	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	388.46	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,289.48	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	25,546.07	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	69,671.11	

02 90 55 00-0317 Power Equipment (02 90 55 00-0022)

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,222.06	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,068.11	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,017.14	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,478.18	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,700.25	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,077.70	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,238.38	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,682.52	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	14,570.78	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	31.59	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	151.35	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	352.52	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	56.87	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	52.64	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	5.18	

02 90 55 00-0333 Freight Charges (02 90 55 00-0022)

02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.59	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	4.66	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	4.66	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	6.73	

02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment (02 90 55 00-0001)

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

02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	15.19	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	17.90	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.76	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	23.65	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	125.72	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.26	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	7.49	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	50.25	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	40.21	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	50.25	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	53.06	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	59.16	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.23	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	27.53	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.56	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.48	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	2.24	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	5.32	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	7.29	
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	8.17	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	13.77	
02 90 55 00-0360	EA	Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	23.51	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	15.33	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	25.28	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	6.71	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	9.18	

02 90 55 00-0365 Emergency Clean-up Expendables (02 90 55 00-0001)

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

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**02 90 55 00-0366****General Materials** (02 90 55 00-0365)

02 90 55 00-0367	GAL Adhesive Remover For Emergency Clean-up.....	110.11
02 90 55 00-0368	GAL Bioside-HS Cleaning Solution For Emergency Clean-up.....	35.32
02 90 55 00-0369	GAL Biocide Mold Cleaning Solution For Emergency Clean-up.....	45.07
02 90 55 00-0370	EA 10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up.....	5.80
02 90 55 00-0371	EA 10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up.....	8.81
02 90 55 00-0372	EA 10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up.....	8.81
02 90 55 00-0373	GAL Bleach For Emergency Clean-up.....	11.84
02 90 55 00-0374	EA Small Stainless Brush For Emergency Clean-up.....	7.52
02 90 55 00-0375	EA 2-1/2 Gallon Buckets For Emergency Clean-up.....	8.75
02 90 55 00-0376	EA 5 Gallon Bucket For Emergency Clean-up.....	13.26
02 90 55 00-0377	GAL Carpet Defoamer For Emergency Clean-up.....	34.11
02 90 55 00-0378	GAL Carpet Pre-treat For Emergency Clean-up.....	27.83
02 90 55 00-0379	GAL Carpet Spotter For Emergency Clean-up.....	46.63
02 90 55 00-0380	GAL Carpet/Upholstery Cleaner For Emergency Clean-up.....	37.60
02 90 55 00-0381	ROL Carpet Masking/Shield For Emergency Clean-up.....	108.23
02 90 55 00-0382	EA Chemical Sponge For Emergency Clean-up.....	4.33
02 90 55 00-0383	GAL Clear Seal For Emergency Clean-up.....	148.05
02 90 55 00-0384	GAL Coil Cleaner For Emergency Clean-up.....	74.51
02 90 55 00-0385	EA Decontamination Chamber For Emergency Clean-up.....	323.75
02 90 55 00-0386	GAL All Purpose Degreaser For Emergency Clean-up.....	48.45
02 90 55 00-0387	GAL De-Foamer Liquid For Emergency Clean-up.....	63.68
02 90 55 00-0388	EA Deodorization Membrane For Emergency Clean-up.....	118.77
02 90 55 00-0389	GAL 9-D-9 Smoke Deodorizer For Emergency Clean-up.....	190.34
02 90 55 00-0390	LB Deodorizing Gel For Emergency Clean-up.....	44.72
02 90 55 00-0391	GAL Deodorizing Liquid For Emergency Clean-up.....	62.98
02 90 55 00-0392	PAIL Deodorizing Block For Emergency Clean-up.....	11.24
02 90 55 00-0393	GAL Disinfectant/Anti-microbial For Emergency Clean-up.....	116.03
02 90 55 00-0394	GAL BruClean Disinfectant For Emergency Clean-up.....	37.90
02 90 55 00-0395	GAL Dryclean For Emergency Clean-up.....	49.49
02 90 55 00-0396	GAL Duct Sealant Spray For Emergency Clean-up.....	74.58
02 90 55 00-0397	GAL Antifungal Duct Sealant For Emergency Clean-up.....	107.73
02 90 55 00-0398	GAL Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up.....	171.65
02 90 55 00-0399	PR Ear Plugs For Emergency Clean-up Personal Protection Equipment.....	0.67
02 90 55 00-0400	GAL Encapsulant For Emergency Clean-up.....	123.33
02 90 55 00-0401	GAL Aftershock Fiberlocke For Emergency Clean-up.....	108.29
02 90 55 00-0402	GAL IAQ 2500 Fiberlocke For Emergency Clean-up.....	127.92
02 90 55 00-0403	GAL IAS 6000 Fiberlocke For Emergency Clean-up.....	131.57
02 90 55 00-0404	ROL Filter Material For Emergency Clean-up.....	290.36
02 90 55 00-0405	EA Blue Paper Collection Bag Filter For Emergency Clean-up.....	7.82
02 90 55 00-0406	EA CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	621.03
02 90 55 00-0407	EA Pre-Filter For Negative Air Machine For Emergency Clean-up.....	2.98
02 90 55 00-0408	EA Pleated Filter For Negative Air Machine For Emergency Clean-up.....	13.27
02 90 55 00-0409	EA Charcoal Filter For Negative Air Machine For Emergency Clean-up.....	47.23
02 90 55 00-0410	EA High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	449.18
02 90 55 00-0411	EA Pleated Dehumidifier Filter For Emergency Clean-up.....	11.85
02 90 55 00-0412	GAL Floor Stripper For Emergency Clean-up.....	23.20
02 90 55 00-0413	GAL Floor Wax For Emergency Clean-up.....	33.15
02 90 55 00-0414	GAL Fogger (Thermal) For Emergency Clean-up.....	201.88
02 90 55 00-0415	BOX Furniture Blocks For Emergency Clean-up.....	162.60
02 90 55 00-0416	EA Furniture Polish, Per 10 Oz Can For Emergency Clean-up.....	21.91
02 90 55 00-0417	GAL Glass Cleaner For Emergency Clean-up.....	14.61
02 90 55 00-0418	EA Goof Off Spray, 12 Oz For Emergency Clean-up.....	18.80
02 90 55 00-0419	EA Halogen Light Bulbs For Emergency Clean-up.....	23.67
02 90 55 00-0420	QT Hand Sanitizer For Emergency Clean-up.....	11.70
02 90 55 00-0421	EA Hard Hats For Emergency Clean-up Personal Protection Equipment.....	9.63
02 90 55 00-0422	BOX Hog Rings, Box Of 2,500 For Emergency Clean-up.....	22.91
02 90 55 00-0423	GAL HVAC Coal Cleaner For Emergency Clean-up.....	71.82
02 90 55 00-0424	BOX Inventory Tag, Box Of 1,000 For Emergency Clean-up.....	161.13
02 90 55 00-0425	EA Utility Knives For Emergency Clean-up.....	18.23
02 90 55 00-0426	ROL 13" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	138.22
02 90 55 00-0427	ROL 20" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	145.93
02 90 55 00-0428	ROL 29" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	290.54
02 90 55 00-0429	ROL 39" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	419.95
02 90 55 00-0430	GAL Lemon Oil For Emergency Clean-up.....	58.73
02 90 55 00-0431	GAL LPS 1/Mecca Lube For Emergency Clean-up.....	60.23
02 90 55 00-0432	GAL LPS 2 For Emergency Clean-up.....	63.75
02 90 55 00-0433	GAL LPS Contact Cleaner For Emergency Clean-up.....	63.45
02 90 55 00-0434	GAL Light Lubricant Preserve For Emergency Clean-up.....	168.20
02 90 55 00-0435	GAL Heavy Lubricant Preserver For Emergency Clean-up.....	33.15
02 90 55 00-0436	GAL Machinery Cleaning Solvent For Emergency Clean-up.....	281.16
02 90 55 00-0437	GAL Metal Polishing Paste For Emergency Clean-up.....	31.13
02 90 55 00-0438	GAL MediClean® Disinfectant For Emergency Clean-up.....	66.99
02 90 55 00-0439	GAL Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up.....	82.23
02 90 55 00-0440	EA Mop Heads For Emergency Clean-up.....	10.43
02 90 55 00-0441	EA Nylon Scouring Pads For Emergency Clean-up.....	1.82
02 90 55 00-0442	GAL Odor Neutralizer For Emergency Clean-up.....	46.63
02 90 55 00-0443	EA Packing Paper, 25 LB Bundle For Emergency Clean-up.....	83.79
02 90 55 00-0444	EA Paint Brushes For Emergency Clean-up.....	8.29
02 90 55 00-0445	ROL Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up.....	195.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0446 EA Putty Knives For Emergency Clean-up.....	7.51	
02 90 55 00-0447 ROL Red Resin Paper, 200' Roll For Emergency Clean-up.....	42.64	
02 90 55 00-0448 GAL Reodorant For Emergency Clean-up.....	140.88	
02 90 55 00-0449 GAL Restoracide For Emergency Clean-up.....	66.08	
02 90 55 00-0450 GAL Rust Remover For Emergency Clean-up.....	102.77	
02 90 55 00-0451 EA Saltesmo Test Samples For Emergency Clean-up.....	9.55	
02 90 55 00-0452 EA Sand Bag For Emergency Clean-up.....	2.50	
Note: Excludes sand material		
02 90 55 00-0453 EA Scotch-Brite 7447, Per Box 50 For Emergency Clean-up.....	33.56	
02 90 55 00-0454 EA Small Scrub Brushes For Emergency Clean-up.....	17.30	
02 90 55 00-0455 GAL Clear Soot Sealant For Emergency Clean-up.....	119.19	
02 90 55 00-0456 GAL Pigmented Soot Sealant For Emergency Clean-up.....	321.43	
02 90 55 00-0457 ROL Shrinkwrap Plastic For Emergency Clean-up.....	73.99	
02 90 55 00-0458 EA Dry Sponges For Emergency Clean-up.....	6.02	
02 90 55 00-0459 EA Spray Adhesive, Per Can For Emergency Clean-up.....	7.72	
02 90 55 00-0460 EA Spray Bot./Trigger For Emergency Clean-up.....	6.40	
02 90 55 00-0461 GAL Stain Remover For Emergency Clean-up.....	42.11	
02 90 55 00-0462 GAL Stainless Steel Cleaner For Emergency Clean-up.....	14.54	
02 90 55 00-0463 EA Stainless Steel Polish, Per Can For Emergency Clean-up.....	19.09	
02 90 55 00-0464 LB Sweeping Compound For Emergency Clean-up.....	0.69	
02 90 55 00-0465 ROL Duct Tape, 2" x 50 YD For Emergency Clean-up.....	15.10	
02 90 55 00-0466 ROL Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up.....	14.21	
02 90 55 00-0467 ROL HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up.....	36.46	
02 90 55 00-0468 ROL Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up.....	20.22	
02 90 55 00-0469 ROL Poly Box Tape, 2" x 110 YD For Emergency Clean-up.....	6.24	
02 90 55 00-0470 LB Terry Towels For Emergency Clean-up.....	8.54	
02 90 55 00-0471 GAL Thermal Fog For Emergency Clean-up.....	94.76	
02 90 55 00-0472 ROL 1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	46.98	
02 90 55 00-0473 ROL 3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	109.81	
02 90 55 00-0474 ROL 4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	140.88	
02 90 55 00-0475 ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	187.36	
02 90 55 00-0476 EA Trisodium Phosphate, 20 LB Pail For Emergency Clean-up.....	60.48	
02 90 55 00-0477 EA Backpack Vacuum Bags For Emergency Clean-up.....	2.04	
02 90 55 00-0478 EA Upright Vacuum Bags For Emergency Clean-up.....	2.72	
02 90 55 00-0479 GAL Vinyl And Leather Cleaner For Emergency Clean-up.....	37.60	
02 90 55 00-0480 ROL 1 Mil Visqueen, 12' x 400', For Emergency Clean-up.....	60.87	
02 90 55 00-0481 ROL 4 Mil Visqueen, 32' x 100', For Emergency Clean-up.....	165.27	
02 90 55 00-0482 ROL 6 Mil Visqueen, 32' x 400', For Emergency Clean-up.....	225.51	
02 90 55 00-0483 LB Wipes, Cotton Cloth For Emergency Clean-up.....	6.39	
02 90 55 00-0484 ROL 12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up.....	185.62	
02 90 55 00-0485 EA Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up.....	18.80	
02 90 55 00-0486 EA Zip Wall Zippers For Emergency Clean-up.....	28.17	
02 90 55 00-0487 EA Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll.....	33.76	
Note: 3.3 gallon volume absorption capacity per roll		
02 90 55 00-0488 EA Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100.....	50.65	
Note: 26 OZ volume absorption capacity per pad		
02 90 55 00-0489 EA Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100.....	53.36	
Note: 33 OZ volume absorption capacity per pad		
02 90 55 00-0490 EA Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100.....	87.12	
Note: 45 OZ volume absorption capacity per pad		
02 90 55 00-0491 Technical/Electronics Restoration Materials (02 90 55 00-0365)		
02 90 55 00-0492 EA Brush - Brass For Emergency Clean-up.....	6.22	
02 90 55 00-0493 EA 1" Brush, Natural Bristle For Emergency Clean-up.....	1.99	
02 90 55 00-0494 EA 1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.66	
02 90 55 00-0495 EA 1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.41	
02 90 55 00-0496 EA Brush - Parts For Emergency Clean-up.....	8.62	
02 90 55 00-0497 EA Brush - Plastic For Emergency Clean-up.....	4.48	
02 90 55 00-0498 EA Brush - Wire Grout For Emergency Clean-up.....	9.87	
02 90 55 00-0499 EA Brushing Tool For Emergency Clean-up.....	19.04	
02 90 55 00-0500 EA Cleaning Swabs, Cotton For Emergency Clean-up.....	0.41	
02 90 55 00-0501 EA Cleaning Swabs, Foam Tip For Emergency Clean-up.....	0.50	
02 90 55 00-0502 EA Contact Restorer, Per Can For Emergency Clean-up.....	37.68	
02 90 55 00-0503 EA Contact Spray, Per Can For Emergency Clean-up.....	25.64	
02 90 55 00-0504 UNT Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up.....	3.98	
02 90 55 00-0505 UNT Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up.....	11.39	
02 90 55 00-0506 UNT Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up.....	14.76	
02 90 55 00-0507 LB Cotton Cleaning Cloths For Emergency Clean-up.....	23.31	
02 90 55 00-0508 EA 12" x 17" Dust Cloths For Emergency Clean-up.....	0.37	
02 90 55 00-0509 EA 24" x 24" Dust Cloths For Emergency Clean-up.....	1.02	
02 90 55 00-0510 EA Deoxidizing Agent, Per Can For Emergency Clean-up.....	18.26	
02 90 55 00-0511 GAL Electronic Grade Detergent For Emergency Clean-up.....	42.30	
02 90 55 00-0512 SHT Inventory Labels For Emergency Clean-up.....	0.23	
02 90 55 00-0513 GAL Isopropyl Alcohol For Emergency Clean-up.....	112.10	
02 90 55 00-0514 GAL Lubrication/Penetrating Oil, Per Can For Emergency Clean-up.....	169.61	
02 90 55 00-0515 GAL PC Board Detergent For Emergency Clean-up.....	106.44	
02 90 55 00-0516 GAL Rust Inhibitor, Regular Duty For Emergency Clean-up.....	181.68	
02 90 55 00-0517 GAL Rust Inhibitor, Moderate Duty For Emergency Clean-up.....	183.05	
02 90 55 00-0518 GAL Rust Inhibitor, Severe Duty For Emergency Clean-up.....	195.66	
02 90 55 00-0519 LB Wipes, Lint Free Cloths For Emergency Clean-up.....	7.39	

02	02 Existing Conditions
	02 90 Disaster Recovery
	02 90 55 Emergency Clean-up



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0520 EA Wire Marker Card For Emergency Clean-up.....	2.90	
02 90 55 00-0521 EA Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.59	

END OF SECTION 02



Concrete	03	03
Maintenance of Concrete	03 01	
Maintenance of Cast-In-Place Concrete	03 01 30	

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

03 01 Maintenance of Concrete ⁽⁰³⁾

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

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

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51)	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.92
	For Up To 100, Add	3.20
	For >100 To 250, Add	0.80
	For >250 To 500, Add	0.40
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000, Deduct	-0.16
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	5.53
	For Up To 100, Add	6.42
	For >100 To 250, Add	1.61
	For >250 To 500, Add	0.80
	For >5,000 To 10,000, Deduct	-0.16
	For >10,000, Deduct	-0.32

03 01 30 71 Rehabilitation of Cast-In-Place Concrete ^(03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71)	
	See CSI section 09 01 90 52-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar.....	6.80
03 01 30 71-0005	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	21.18
03 01 30 71-0006	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate).....	0.60
03 01 30 71-0007	Verticals Or Overheads ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar.....	10.19
03 01 30 71-0009	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar.....	29.20
03 01 30 71-0010	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar.....	32.81
03 01 30 71-0011	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound.....	9.19
03 01 30 71-0012	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound.....	16.24
	Note: Rapid Set - WunderFixx	
03 01 30 71-0013	Circular Piers ^(03 01 30 71-0002)	
03 01 30 71-0014	SF Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound.....	12.82
03 01 30 71-0015	SF Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound.....	22.04
	Note: Rapid Set - WunderFixx	
03 01 30 71-0016	Bridge Deck Treatment ^(03 01 30 71-0002)	
03 01 30 71-0017	SF Sweep Bridge Deck.....	0.02
03 01 30 71-0018	SF Clean Bridge Deck.....	0.02
03 01 30 71-0019	SF Treat Bridge Deck With Methacrylate Resin Sealant.....	2.27
03 01 30 71-0020	Concrete Finishes ^(03 01 30 71-0001)	
03 01 30 71-0021	Concrete Patching ^(03 01 30 71-0020)	
03 01 30 71-0022	Walls ^(03 01 30 71-0021)	
03 01 30 71-0023	BAG Sika Top 111 Plus.....	176.08
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar.	
	Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	63.89
	For >10 To 25, Add	38.33
	For >25 To 50, Add	25.56
	For >50 To 75, Add	12.78
03 01 30 71-0024	BAG Sika Grout 212, 50 LB Bag.....	121.14
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	40.45
	For >10 To 25, Add	24.27
	For >25 To 50, Add	16.18
	For >50 To 75, Add	8.09

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 01 30 71-0025	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	41.55	
03 01 30 71-0026	BAG	Pea Gravel	31.29	
03 01 30 71-0027		Crack Repair For Concrete (03 01 30 71-0001)		
03 01 30 71-0028		Non-Structural Crack Repair For Concrete (03 01 30 71-0027)		
03 01 30 71-0029		Surface Applied, Non-Structural Crack Repair For Concrete (03 01 30 71-0028) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0030	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.50	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.19	
03 01 30 71-0031	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	8.51	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.06	
03 01 30 71-0032	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	6.64	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.19	
03 01 30 71-0033	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	8.79	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.06	
03 01 30 71-0034	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.15	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.19	
03 01 30 71-0035	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	9.80	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.06	
03 01 30 71-0036	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.52	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.19	
03 01 30 71-0037	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	10.54	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.06	
03 01 30 71-0038		Pressure Injected, Non-Structural Crack Repair For Concrete (03 01 30 71-0028) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0039	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	29.89	
		<i>For Cracks Accessible From Both Sides, Add</i>	6.09	
03 01 30 71-0040		Structural Crack Repair For Concrete (03 01 30 71-0027)		
03 01 30 71-0041		Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0040) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0042	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.61	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.19	
03 01 30 71-0043	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	10.73	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.06	
03 01 30 71-0044	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	7.42	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.19	
03 01 30 71-0045	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	10.33	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.06	
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.06	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.19	
03 01 30 71-0047	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	13.64	
		<i>For V-Grooving Crack With Grinder, Add</i>	5.06	
03 01 30 71-0048		Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0040) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0049	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	25.93	
		<i>For Cracks Accessible From Both Sides, Add</i>	6.09	
03 01 30 71-0050	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	25.73	
		<i>For Cracks Accessible From Both Sides, Add</i>	6.09	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0051	Pool Deck Texture Repair <small>(03 01 30 71-0001)</small>		
03 01 30 71-0052	SF Pool Deck Texture Repair.....	19.52	
Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.			
03 01 30 71-0053	Carbon Fiber Strengthening System <small>(03 01 30 71-0001)</small>		
Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.			
03 01 30 71-0054	SF Carbon Fiber Strengthening System For Concrete Beams, Per Layer	89.17	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0055	SF Carbon Fiber Strengthening System For Concrete Columns, Per Layer	78.89	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0056	SF Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer	73.11	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0057	SF Carbon Fiber Strengthening System For Concrete Walls, Per Layer.....	69.90	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0058	SF Carbon Fiber Strengthening System For Concrete Slab, Per Layer	65.40	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0059	Corrosive Inhibitor <small>(03 01 30 71)</small>		
03 01 30 71-0060	SF Corrosive Inhibitor.....	6.02	
03 01 30 72	Strengthening Of Cast-in-Place Concrete <small>(03 01 30)</small>		
03 01 30 72-0001	Concrete Surface Repairs <small>(03 01 30 72)</small>		
03 01 30 72-0002	SF Sound The Concrete Surface To Locate Delaminated Areas	0.40	

03 05 Common Work Results For Concrete (03)

03 05 13 Concrete Admixtures (03 05)

03 05 13 00-0001	Concrete Admixtures <small>(03 05 13)</small>		
03 05 13 00-0002	CY Low Range Water Reducing (LRWR), Type A Concrete Admixture	7.44	
03 05 13 00-0003	CY Set Retarding, Type B Concrete Admixture.....	5.15	
03 05 13 00-0004	CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	8.01	
03 05 13 00-0005	CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	16.03	
03 05 13 00-0006	CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	14.31	
03 05 13 00-0007	CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	28.62	
03 05 13 00-0008	CY 1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	6.18	
03 05 13 00-0009	CY 2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	12.05	
03 05 13 00-0010	CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	8.59	
03 05 13 00-0011	CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	17.17	
03 05 13 00-0012	CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.72	
03 05 13 00-0013	CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	13.74	
03 05 13 00-0014	CY 1 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	12.21	
03 05 13 00-0015	CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	18.32	
03 05 13 00-0016	CY 25 LB/CY Steel Fibers, Concrete Admixture.....	46.40	
03 05 13 00-0017	CY 10% Microsilica (Silica Fume), Concrete Admixture	91.58	
03 05 13 00-0018	CY Corrosion Inhibiting Concrete Admixture	34.34	
03 05 13 00-0019	CY Winter Service Or Heat, Concrete Add.....	18.32	
03 05 13 00-0020	CY Chilled Water, Concrete Add	18.32	
03 05 13 00-0021	CY Subtle Color (See Davis Colors Color Card), Concrete Admixture	37.77	
03 05 13 00-0022	CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	62.95	
03 05 13 00-0023	CY Premium Color (See Davis Colors Color Card), Concrete Admixture.....	120.86	
03 05 13 00-0024	CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	167.86	

03 10 Concrete Forming and Accessories (03)

03 11 Concrete Forming (03 10)

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

Note: Per square foot of formwork.

03 11 13 00-0001	Wood Formwork <small>(03 11 13)</small>		
Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.			
03 11 13 00-0002	Foundation Wood Formwork <small>(03 11 13 00-0001)</small>		
Note: For foundation work below or at grade.			
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork.....	8.79	
For <1,000, Add		1.66	
For Foundations >8' Below Grade, Add		1.62	
For Curved Formwork, Add		3.23	

03	03 Concrete
	03 10 Concrete Forming and Accessories
	03 11 Concrete Forming



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0004 SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	10.49	
For <1,000, Add	2.00	
For Foundations >8' Below Grade, Add	1.95	
For Curved Formwork, Add	3.90	
03 11 13 00-0005 SF Mat Foundation Wood Formwork.....	12.31	
For <1,000, Add	2.36	
For Foundations >8' Below Grade, Add	2.31	
For Curved Formwork, Add	4.62	
03 11 13 00-0006 SF Grade Beams Or Duct Bank Foundation Wood Formwork	10.27	
For <1,000, Add	1.95	
For Foundations >8' Below Grade, Add	1.90	
For Curved Formwork, Add	3.80	
03 11 13 00-0007 SF Below Grade Walls Foundation Wood Formwork	14.49	
Note: Excludes footing		
For <1,000, Add	2.75	
For Foundations >8' Below Grade, Add	2.68	
For Curved Formwork, Add	5.36	
03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0009 LF Up To 6" High Slab Edge and Block-Out Wood Formwork	6.84	
For Foundations >8' Below Grade, Add	1.29	
For Curved Formwork, Add	2.59	
For Up To 250, Add	1.32	
03 11 13 00-0010 LF >6" To 12" High Slab Edge and Block-Out Wood Formwork	9.73	
For Foundations >8' Below Grade, Add	1.80	
For Curved Formwork, Add	3.60	
For Up To 250, Add	1.85	
03 11 13 00-0011 SF >12" High Slab Edge and Block-Out Wood Formwork.....	12.62	
For Foundations >8' Below Grade, Add	2.33	
For Curved Formwork, Add	4.67	
For <1,000, Add	2.40	
03 11 13 00-0012 Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013 LF Up To 8" Square Column Wood Formwork.....	52.44	
03 11 13 00-0014 LF >8" To 12" Square Column Wood Formwork.....	76.56	
03 11 13 00-0015 LF >12" To 18" Square Column Wood Formwork.....	96.62	
03 11 13 00-0016 LF >18" To 24" Square Column Wood Formwork	139.15	
03 11 13 00-0017 LF >24" To 36" Square Column Wood Formwork	199.93	
03 11 13 00-0018 LF >36" To 48" Square Column Wood Formwork	264.74	
03 11 13 00-0019 Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020 SF Up To 8' High Above Grade Wall Wood Formwork.....	16.23	
For Curved Formwork, Add	6.06	
For <1,000, Add	3.10	
03 11 13 00-0021 SF >8' High Above Grade Wall Wood Formwork	19.20	
For Curved Formwork, Add	7.19	
For <1,000, Add	3.68	
03 11 13 00-0022 Elevated Beam Wood Formwork (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023 SF Bottom of Elevated Beam Wood Formwork	21.40	
For Curved Formwork, Add	7.92	
For <1,000, Add	4.07	
03 11 13 00-0024 SF Vertical Sides of Elevated Beam Wood Formwork	13.50	
For Curved Formwork, Add	5.05	
For <1,000, Add	2.58	
03 11 13 00-0025 Elevated Slab Wood Formwork (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026 SF Elevated Slab Wood Formwork	12.59	
For <1,000, Add	2.32	
03 11 13 00-0027 Metal Framed Formwork (03 11 13)		
Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028 Foundation Metal Framed Formwork (03 11 13 00-0027)		
Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork	8.37	
For <1,000, Add	1.54	
For Foundations >8' Below Grade, Add	1.47	
For Curved Formwork, Add	2.94	
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork.....	9.28	
For <1,000, Add	1.72	
For Foundations >8' Below Grade, Add	1.65	
For Curved Formwork, Add	3.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 11	13 00-0031	SF	Mat Foundation Metal Framed Formwork.....	10.39	
				<i>For <1,000, Add</i>	1.91	
				<i>For Foundations >8' Below Grade, Add</i>	1.82	
				<i>For Curved Formwork, Add</i>	3.64	
	03 11	13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	8.77	
				<i>For <1,000, Add</i>	1.61	
				<i>For Foundations >8' Below Grade, Add</i>	1.53	
				<i>For Curved Formwork, Add</i>	3.06	
	03 11	13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	13.36	
				Note: Excludes footing.		
				<i>For <1,000, Add</i>	2.49	
				<i>For Foundations >8' Below Grade, Add</i>	2.39	
				<i>For Curved Formwork, Add</i>	4.79	
	03 11	13 00-0034		Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
	03 11	13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	5.97	
				<i>For Foundations >8' Below Grade, Add</i>	1.16	
				<i>For Curved Formwork, Add</i>	2.33	
				<i>For <250, Add</i>	1.17	
	03 11	13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	7.47	
				<i>For Foundations >8' Below Grade, Add</i>	1.45	
				<i>For Curved Formwork, Add</i>	2.89	
				<i>For <250, Add</i>	1.46	
	03 11	13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	8.28	
				<i>For Foundations >8' Below Grade, Add</i>	1.60	
				<i>For Curved Formwork, Add</i>	3.20	
				<i>For <1,000, Add</i>	1.62	
	03 11	13 00-0038		Column Metal Framed Formwork (03 11 13 00-0027)		
	03 11	13 00-0039		Square Columns (03 11 13 00-0038)		
	03 11	13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	51.12	
	03 11	13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	61.77	
	03 11	13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	72.44	
	03 11	13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	86.57	
	03 11	13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	104.29	
	03 11	13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	125.23	
	03 11	13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	160.68	
	03 11	13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	198.19	
	03 11	13 00-0048		Round Columns (03 11 13 00-0038)		
	03 11	13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	50.34	
	03 11	13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	55.99	
	03 11	13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	64.26	
	03 11	13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	74.89	
	03 11	13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	88.40	
	03 11	13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	101.24	
	03 11	13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	131.27	
	03 11	13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	171.41	
	03 11	13 00-0057		Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
	03 11	13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	8.21	
				<i>For Curved Formwork, Add</i>	2.73	
				<i>For <1,000, Add</i>	1.46	
	03 11	13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork.....	10.03	
				<i>For Curved Formwork, Add</i>	3.29	
				<i>For <1,000, Add</i>	1.77	
	03 11	13 00-0060		Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
	03 11	13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	8.20	
				<i>For Curved Formwork, Add</i>	2.55	
				<i>For <1,000, Add</i>	1.40	
	03 11	13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork.....	6.12	
				<i>For Curved Formwork, Add</i>	2.00	
				<i>For <1,000, Add</i>	1.07	
	03 11	13 00-0063		Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
	03 11	13 00-0064	SF	Elevated Slab Metal Framed Formwork.....	11.17	
				<i>For <1,000, Add</i>	1.69	
	03 11	13 00-0065		Fiber Tube Formwork (03 11 13)		
				Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
	03 11	13 00-0066		Round Column Fiber Tube Formwork (03 11 13 00-0065)		

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0067 LF 6" Diameter Round Fiber Tube Formwork	21.26	
For Plastic Lined, Add	0.83	
For Columns >12' In Length, Add	2.13	
03 11 13 00-0068 LF 8" Diameter Round Fiber Tube Formwork	22.46	
For Plastic Lined, Add	0.99	
For Columns >12' In Length, Add	2.25	
03 11 13 00-0069 LF 10" Diameter Round Fiber Tube Formwork	24.98	
For Plastic Lined, Add	1.19	
For Columns >12' In Length, Add	2.50	
03 11 13 00-0070 LF 12" Diameter Round Fiber Tube Formwork	30.93	
For Plastic Lined, Add	2.11	
For Columns >12' In Length, Add	3.09	
03 11 13 00-0071 LF 14" Diameter Round Fiber Tube Formwork	34.77	
For Plastic Lined, Add	2.67	
For Columns >12' In Length, Add	3.48	
03 11 13 00-0072 LF 16" Diameter Round Fiber Tube Formwork	37.89	
For Plastic Lined, Add	3.33	
For Columns >12' In Length, Add	3.79	
03 11 13 00-0073 LF 18" Diameter Round Fiber Tube Formwork	40.82	
For Plastic Lined, Add	3.89	
For Columns >12' In Length, Add	4.08	
03 11 13 00-0074 LF 20" Diameter Round Fiber Tube Formwork	46.51	
For Plastic Lined, Add	5.29	
For Columns >12' In Length, Add	4.65	
03 11 13 00-0075 LF 22" Diameter Round Fiber Tube Formwork	48.69	
For Plastic Lined, Add	5.51	
For Columns >12' In Length, Add	4.87	
03 11 13 00-0076 LF 24" Diameter Round Fiber Tube Formwork	51.14	
For Plastic Lined, Add	5.81	
For Columns >12' In Length, Add	5.11	
03 11 13 00-0077 LF 26" Diameter Round Fiber Tube Formwork	53.25	
For Plastic Lined, Add	6.27	
For Columns >12' In Length, Add	5.33	
03 11 13 00-0078 LF 28" Diameter Round Fiber Tube Formwork	55.35	
For Plastic Lined, Add	6.73	
For Columns >12' In Length, Add	5.54	
03 11 13 00-0079 LF 30" Diameter Round Fiber Tube Formwork	57.47	
For Plastic Lined, Add	7.19	
For Columns >12' In Length, Add	5.75	
03 11 13 00-0080 LF 36" Diameter Round Fiber Tube Formwork	66.41	
For Plastic Lined, Add	9.25	
For Columns >12' In Length, Add	6.64	
03 11 13 00-0081 LF 42" Diameter Round Fiber Tube Formwork	104.68	
For Plastic Lined, Add	20.28	
For Columns >12' In Length, Add	10.47	
03 11 13 00-0082 LF 48" Diameter Round Fiber Tube Formwork	127.55	
For Plastic Lined, Add	26.69	
For Columns >12' In Length, Add	12.76	
03 11 13 00-0083 LF 54" Diameter Round Fiber Tube Formwork	230.14	
For Plastic Lined, Add	56.74	
For Columns >12' In Length, Add	23.01	
03 11 13 00-0084 LF 60" Diameter Round Fiber Tube Formwork	256.31	
For Plastic Lined, Add	64.04	
For Columns >12' In Length, Add	25.63	
03 11 13 00-0085 Accessories For Formwork (03 11 13)		
03 11 13 00-0086 Keyway Forms, All Materials (03 11 13 00-0085)		
03 11 13 00-0087 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.52	
03 11 13 00-0088 Chamfer Strips, All Materials (03 11 13 00-0085)		
03 11 13 00-0089 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.66	
03 11 13 00-0090 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.07	
03 11 13 00-0091 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.55	
03 11 13 00-0092 Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)		
03 11 13 00-0093 LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	13.59	
03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)		
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	17.47	
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	22.16	
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	26.90	
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	32.44	
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	42.36	
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	108.02	

03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 11 16 13 Concrete Form Liners (03 11 16)

03 11 16 13-0001 Concrete Form Liners (03 11 16 13)		
03 11 16 13-0002	SF Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.12
03 11 16 13-0003	SF Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	8.23
03 11 16 13-0004	SF Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	10.82

03 11 23 Permanent Stair Forming (03 11)

03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002	SF Cast On Grade Stairway Wood Formwork	20.62
	<i>For Curved Formwork, Add</i>	8.01
	<i>For <1,000, Add</i>	4.04
03 11 23 00-0003	SF Elevated Stairway Wood Formwork	41.25
	Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.	
	<i>For Curved Formwork, Add</i>	15.69
	<i>For <1,000, Add</i>	7.98

03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)

03 11 23 00-0005	SF Cast On Grade Stairway Metal Framed Formwork	17.44
	<i>For Curved Formwork, Add</i>	6.60
	<i>For <1,000, Add</i>	3.36
03 11 23 00-0006	SF Elevated Stairway Metal Framed Formwork	32.32
	Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.	
	<i>For Curved Formwork, Add</i>	12.24
	<i>For <1,000, Add</i>	6.24

03 15 Concrete Accessories (03 10)

03 15 13 Waterstops (03 15)

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

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		
03 15 13 13-0002	LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.30
03 15 13 13-0003	LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	13.01
03 15 13 13-0004	LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	16.43
03 15 13 13-0005	LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	18.40
03 15 13 13-0006	LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	30.90
03 15 13 13-0007	LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	14.20
03 15 13 13-0008	LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	17.23
03 15 13 13-0009	LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	34.35
03 15 13 13-0010	LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	25.76

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

03 15 13 13-0012	LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	10.69
03 15 13 13-0013	LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	12.12
03 15 13 13-0014	LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	10.78
03 15 13 13-0015	LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	14.28
03 15 13 13-0016	LF 3/8" Thick x 6" Wide Rubber Waterstop	12.33
03 15 13 13-0017	LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	15.36

03 15 13 16 Expanding Waterstops (03 15 13)

03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)		
03 15 13 16-0002	LF 3/4" x 3/8" Bentonite Waterstop	10.62
03 15 13 16-0003	LF 1-1/4" x 1/2" Bentonite Waterstop	17.28
03 15 13 16-0004	LF 1" x 3/4" Bentonite Waterstop	19.67
03 15 13 16-0005	LF 1" x 1" Bentonite Waterstop	22.80

03 15 16 Concrete Construction Joints (03 15)

03 15 16 00-0001 Poured Expansion Joint (03 15 16)			
03 15 16 00-0002	LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.27	
	<i>For Installation In Walls, Add</i>	1.50	
03 15 16 00-0003	LF 1" x 2" Plain Asphalt Expansion Joint, Poured	7.38	0.90
	<i>For Installation In Walls, Add</i>	1.69	
03 15 16 00-0004	LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.12	0.90
	<i>For Installation In Walls, Add</i>	1.50	
03 15 16 00-0005	LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	6.76	0.90
	<i>For Installation In Walls, Add</i>	1.69	
03 15 16 00-0006	LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	4.33	0.90
	<i>For Installation In Walls, Add</i>	1.69	
03 15 16 00-0007	LF 1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts	7.80	0.90
	<i>For Installation In Walls, Add</i>	2.74	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0008	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	3.64	0.90
			<i>For Installation In Walls, Add</i>	1.50	
03 15 16 00-0009	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.49	0.90
			<i>For Installation In Walls, Add</i>	1.50	
03 15 16 00-0010	LF		1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	11.78	0.90
			<i>For Installation In Walls, Add</i>	1.69	
03 15 16 00-0011			Premolded Expansion Joints (03 15 16)		
03 15 16 00-0012			Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0013	LF		1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.77	1.27
03 15 16 00-0014	LF		1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.18	1.34
03 15 16 00-0015	LF		1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.43	1.40
03 15 16 00-0016	LF		1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.70	1.46
03 15 16 00-0017	LF		3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.03	1.27
03 15 16 00-0018	LF		3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.39	1.34
03 15 16 00-0019	LF		3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.81	1.40
03 15 16 00-0020	LF		3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.42	1.46
03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.74	1.21
03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.99	1.27
03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.28	1.34
03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.53	1.40
03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.84	1.46
03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.27	1.53
03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.60	1.59
03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.18	1.65
03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.31	1.34
03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.79	1.40
03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.66	1.53
03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint	8.11	2.11
03 15 16 00-0033			Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint	4.78	1.34
03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint	5.37	1.46
03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint	5.84	1.53
03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint	8.23	1.59
03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint	8.76	1.65
03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint	9.66	2.11
03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint	11.22	2.11
03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint	11.94	2.11
03 15 16 00-0042			Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.01	1.34
03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.13	1.40
03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.31	1.46
03 15 16 00-0046	LF		1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.86	1.53
03 15 16 00-0047	LF		1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.10	1.34
03 15 16 00-0048	LF		1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.23	1.40
03 15 16 00-0049	LF		1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.37	1.46
03 15 16 00-0050	LF		1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.71	1.53
03 15 16 00-0051			Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052	LF		1" Zip Strip, Premolded Expansion Joint.....	3.04	1.34
03 15 16 00-0053	LF		1-1/2" Zip Strip, Premolded Expansion Joint	3.32	1.40
03 15 16 00-0054	LF		2" Zip Strip, Premolded Expansion Joint.....	3.70	1.53
03 15 16 00-0055			Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056	LF		1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.65	1.27
03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	5.58	1.27
03 15 16 00-0058			Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059	SF		Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	1.43	0.96
			>1,250, Deduct	-0.07	
03 15 16 00-0060	SF		Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	1.35	0.96
			>1,250, Deduct	-0.07	
03 15 16 00-0061			Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062			24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063	LF		24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	7.14	
03 15 16 00-0064	LF		24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	7.25	
03 15 16 00-0065	LF		24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	7.50	
03 15 16 00-0066	LF		24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	7.93	
03 15 16 00-0067	LF		24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	9.68	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 Cast-In Concrete Anchors (03 15)

03 15 19 00-0001	Cast In Place Anchors (03 15 19) Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002	J-Type Anchor Bolts (03 15 19 00-0001) See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003	1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004	EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 14.20		
	For Galvanized, Add	3.47	
	For Stainless Steel, Add	24.29	
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.80	
03 15 19 00-0005	EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 16.65		
	For Galvanized, Add	4.42	
	For Stainless Steel, Add	30.94	
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-1.00	
	For >100, Deduct	-2.00	
03 15 19 00-0006	EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 20.64		
	For Galvanized, Add	6.09	
	For Stainless Steel, Add	42.63	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-1.15	
	For >100, Deduct	-2.30	
03 15 19 00-0007	EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 24.37		
	For Galvanized, Add	7.96	
	For Stainless Steel, Add	55.69	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-1.24	
	For >100, Deduct	-2.49	
03 15 19 00-0008	EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 30.47		
	For Galvanized, Add	10.62	
	For Stainless Steel, Add	74.34	
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-1.45	
	For >100, Deduct	-2.91	
03 15 19 00-0009	EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 34.42		
	For Galvanized, Add	12.14	
	For Stainless Steel, Add	84.95	
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.62	
	For >100, Deduct	-3.24	
03 15 19 00-0010	3/4" And 7/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0011	EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 34.25		
	For Galvanized, Add	12.05	
	For Stainless Steel, Add	84.35	
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.62	
	For >100, Deduct	-3.24	
03 15 19 00-0012	EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 39.37		
	For Galvanized, Add	14.05	
	For Stainless Steel, Add	98.32	
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.83	
	For >100, Deduct	-3.66	
03 15 19 00-0013	EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 48.67		
	For Galvanized, Add	17.99	
	For Stainless Steel, Add	125.93	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-2.17	
	For >100, Deduct	-4.34	
03 15 19 00-0014	EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 59.56		
	For Galvanized, Add	22.67	
	For Stainless Steel, Add	158.69	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-2.56	
	For >100, Deduct	-5.11	
03 15 19 00-0015	EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 45.63		
	For Galvanized, Add	16.47	
	For Stainless Steel, Add	115.29	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-2.09	
	For >100, Deduct	-4.19	
03 15 19 00-0016	EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 53.94		
	For Galvanized, Add	19.72	
	For Stainless Steel, Add	138.04	
	For >10 To 50, Deduct	-0.73	
	For >50 To 100, Deduct	-2.44	
	For >100, Deduct	-4.87	

03	Concrete
03 10	Concrete Forming and Accessories
03 15	Concrete Accessories



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0017	EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	69.50	
	<i>For Galvanized, Add</i>	26.29	
	<i>For Stainless Steel, Add</i>	184.03	
	<i>For >10 To 50, Deduct</i>	-0.85	
	<i>For >50 To 100, Deduct</i>	-3.01	
	<i>For >100, Deduct</i>	-6.01	
03 15 19 00-0018	1" And 1-1/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0019	EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	57.11	
	<i>For Galvanized, Add</i>	21.31	
	<i>For Stainless Steel, Add</i>	149.14	
	<i>For >10 To 50, Deduct</i>	-0.73	
	<i>For >50 To 100, Deduct</i>	-2.52	
	<i>For >100, Deduct</i>	-5.03	
03 15 19 00-0020	EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	68.20	
	<i>For Galvanized, Add</i>	25.64	
	<i>For Stainless Steel, Add</i>	179.48	
	<i>For >10 To 50, Deduct</i>	-0.85	
	<i>For >50 To 100, Deduct</i>	-2.97	
	<i>For >100, Deduct</i>	-5.95	
03 15 19 00-0021	EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	84.58	
	<i>For Galvanized, Add</i>	32.14	
	<i>For Stainless Steel, Add</i>	224.98	
	<i>For >10 To 50, Deduct</i>	-1.02	
	<i>For >50 To 100, Deduct</i>	-3.64	
	<i>For >100, Deduct</i>	-7.27	
03 15 19 00-0022	EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	103.92	
	<i>For Galvanized, Add</i>	39.27	
	<i>For Stainless Steel, Add</i>	274.89	
	<i>For >10 To 50, Deduct</i>	-1.27	
	<i>For >50 To 100, Deduct</i>	-4.50	
	<i>For >100, Deduct</i>	-9.00	
03 15 19 00-0023	EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	69.19	
	<i>For Galvanized, Add</i>	26.64	
	<i>For Stainless Steel, Add</i>	186.45	
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-2.92	
	<i>For >100, Deduct</i>	-5.85	
03 15 19 00-0024	EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	82.68	
	<i>For Galvanized, Add</i>	32.06	
	<i>For Stainless Steel, Add</i>	224.39	
	<i>For >10 To 50, Deduct</i>	-0.93	
	<i>For >50 To 100, Deduct</i>	-3.46	
	<i>For >100, Deduct</i>	-6.92	
03 15 19 00-0025	EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	102.65	
	<i>For Galvanized, Add</i>	40.18	
	<i>For Stainless Steel, Add</i>	281.26	
	<i>For >10 To 50, Deduct</i>	-1.11	
	<i>For >50 To 100, Deduct</i>	-4.24	
	<i>For >100, Deduct</i>	-8.48	
03 15 19 00-0026	EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	126.04	
	<i>For Galvanized, Add</i>	49.09	
	<i>For Stainless Steel, Add</i>	343.63	
	<i>For >10 To 50, Deduct</i>	-1.39	
	<i>For >50 To 100, Deduct</i>	-5.24	
	<i>For >100, Deduct</i>	-10.48	
03 15 19 00-0027	1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	84.22	
	<i>For Galvanized, Add</i>	33.29	
	<i>For Stainless Steel, Add</i>	233.03	
	<i>For >10 To 50, Deduct</i>	-0.88	
	<i>For >50 To 100, Deduct</i>	-3.43	
	<i>For >100, Deduct</i>	-6.86	
03 15 19 00-0029	EA 1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	100.72	
	<i>For Galvanized, Add</i>	40.08	
	<i>For Stainless Steel, Add</i>	280.53	
	<i>For >10 To 50, Deduct</i>	-1.03	
	<i>For >50 To 100, Deduct</i>	-4.06	
	<i>For >100, Deduct</i>	-8.12	
03 15 19 00-0030	EA 1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	125.17	
	<i>For Galvanized, Add</i>	50.24	
	<i>For Stainless Steel, Add</i>	351.68	
	<i>For >10 To 50, Deduct</i>	-1.23	
	<i>For >50 To 100, Deduct</i>	-4.98	
	<i>For >100, Deduct</i>	-9.96	
03 15 19 00-0031	EA 1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	153.56	
	<i>For Galvanized, Add</i>	61.36	
	<i>For Stainless Steel, Add</i>	429.49	
	<i>For >10 To 50, Deduct</i>	-1.54	
	<i>For >50 To 100, Deduct</i>	-6.15	
	<i>For >100, Deduct</i>	-12.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	103.00	
			<i>For Galvanized, Add</i>	41.61	
			<i>For Stainless Steel, Add</i>	291.27	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-4.06	
			<i>For >100, Deduct</i>	-8.12	
	03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	123.24	
			<i>For Galvanized, Add</i>	50.09	
			<i>For Stainless Steel, Add</i>	350.60	
			<i>For >10 To 50, Deduct</i>	-1.15	
			<i>For >50 To 100, Deduct</i>	-4.81	
			<i>For >100, Deduct</i>	-9.62	
	03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	153.31	
			<i>For Galvanized, Add</i>	62.81	
			<i>For Stainless Steel, Add</i>	439.67	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-5.91	
			<i>For >100, Deduct</i>	-11.82	
	03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	188.00	
			<i>For Galvanized, Add</i>	76.70	
			<i>For Stainless Steel, Add</i>	536.90	
			<i>For >10 To 50, Deduct</i>	-1.73	
			<i>For >50 To 100, Deduct</i>	-7.30	
			<i>For >100, Deduct</i>	-14.59	
	03 15 19 00-0036		L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
	03 15 19 00-0037		3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
	03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.70	
			<i>For Galvanized, Add</i>	9.21	
			<i>For Stainless Steel, Add</i>	64.47	
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
	03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.45	
			<i>For Galvanized, Add</i>	11.38	
			<i>For Stainless Steel, Add</i>	79.66	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100, Deduct</i>	-3.68	
	03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.59	
			<i>For Galvanized, Add</i>	13.05	
			<i>For Stainless Steel, Add</i>	91.32	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-2.10	
			<i>For >100, Deduct</i>	-4.20	
	03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.01	
			<i>For Galvanized, Add</i>	13.55	
			<i>For Stainless Steel, Add</i>	94.82	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.37	
			<i>For >100, Deduct</i>	-4.74	
	03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.74	
			<i>For Galvanized, Add</i>	14.22	
			<i>For Stainless Steel, Add</i>	99.54	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100, Deduct</i>	-5.48	
	03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.53	
			<i>For Galvanized, Add</i>	11.42	
			<i>For Stainless Steel, Add</i>	79.94	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100, Deduct</i>	-3.68	
	03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.11	
			<i>For Galvanized, Add</i>	13.31	
			<i>For Stainless Steel, Add</i>	93.14	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-2.12	
			<i>For >100, Deduct</i>	-4.23	
	03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.44	
			<i>For Galvanized, Add</i>	15.26	
			<i>For Stainless Steel, Add</i>	106.82	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100, Deduct</i>	-4.91	
	03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	51.99	
			<i>For Galvanized, Add</i>	15.85	
			<i>For Stainless Steel, Add</i>	110.92	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100, Deduct</i>	-5.64	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0047	EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	58.67	
	<i>For Galvanized, Add</i>	16.65	
	<i>For Stainless Steel, Add</i>	116.52	
	<i>For >10 To 50, Deduct</i>	-1.27	
	<i>For >50 To 100, Deduct</i>	-3.37	
	<i>For >100, Deduct</i>	-6.74	
03 15 19 00-0048	1" And 1-1/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0049	EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.80	
	<i>For Galvanized, Add</i>	14.65	
	<i>For Stainless Steel, Add</i>	102.55	
	<i>For >10 To 50, Deduct</i>	-0.73	
	<i>For >50 To 100, Deduct</i>	-2.18	
	<i>For >100, Deduct</i>	-4.37	
03 15 19 00-0050	EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.86	
	<i>For Galvanized, Add</i>	16.47	
	<i>For Stainless Steel, Add</i>	115.29	
	<i>For >10 To 50, Deduct</i>	-0.85	
	<i>For >50 To 100, Deduct</i>	-2.52	
	<i>For >100, Deduct</i>	-5.03	
03 15 19 00-0051	EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.14	
	<i>For Galvanized, Add</i>	18.42	
	<i>For Stainless Steel, Add</i>	128.94	
	<i>For >10 To 50, Deduct</i>	-1.02	
	<i>For >50 To 100, Deduct</i>	-2.95	
	<i>For >100, Deduct</i>	-5.90	
03 15 19 00-0052	EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.65	
	<i>For Galvanized, Add</i>	19.29	
	<i>For Stainless Steel, Add</i>	135.03	
	<i>For >10 To 50, Deduct</i>	-1.10	
	<i>For >50 To 100, Deduct</i>	-3.17	
	<i>For >100, Deduct</i>	-6.34	
03 15 19 00-0053	EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	65.78	
	<i>For Galvanized, Add</i>	20.20	
	<i>For Stainless Steel, Add</i>	141.40	
	<i>For >10 To 50, Deduct</i>	-1.27	
	<i>For >50 To 100, Deduct</i>	-3.55	
	<i>For >100, Deduct</i>	-7.10	
03 15 19 00-0054	EA 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.00	
	<i>For Galvanized, Add</i>	23.41	
	<i>For Stainless Steel, Add</i>	163.84	
	<i>For >10 To 50, Deduct</i>	-1.41	
	<i>For >50 To 100, Deduct</i>	-3.99	
	<i>For >100, Deduct</i>	-7.98	
03 15 19 00-0055	EA 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	88.63	
	<i>For Galvanized, Add</i>	27.40	
	<i>For Stainless Steel, Add</i>	191.77	
	<i>For >10 To 50, Deduct</i>	-1.69	
	<i>For >50 To 100, Deduct</i>	-4.75	
	<i>For >100, Deduct</i>	-9.51	
03 15 19 00-0056	EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.45	
	<i>For Galvanized, Add</i>	19.27	
	<i>For Stainless Steel, Add</i>	134.86	
	<i>For >10 To 50, Deduct</i>	-0.85	
	<i>For >50 To 100, Deduct</i>	-2.66	
	<i>For >100, Deduct</i>	-5.31	
03 15 19 00-0057	EA 1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.43	
	<i>For Galvanized, Add</i>	21.57	
	<i>For Stainless Steel, Add</i>	150.96	
	<i>For >10 To 50, Deduct</i>	-1.02	
	<i>For >50 To 100, Deduct</i>	-3.11	
	<i>For >100, Deduct</i>	-6.22	
03 15 19 00-0058	EA 1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	67.19	
	<i>For Galvanized, Add</i>	22.56	
	<i>For Stainless Steel, Add</i>	157.92	
	<i>For >10 To 50, Deduct</i>	-1.10	
	<i>For >50 To 100, Deduct</i>	-3.34	
	<i>For >100, Deduct</i>	-6.67	
03 15 19 00-0059	1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA 1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	66.90	
	<i>For Galvanized, Add</i>	23.30	
	<i>For Stainless Steel, Add</i>	163.10	
	<i>For >10 To 50, Deduct</i>	-1.02	
	<i>For >50 To 100, Deduct</i>	-3.20	
	<i>For >100, Deduct</i>	-6.39	
03 15 19 00-0061	EA 1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	79.91	
	<i>For Galvanized, Add</i>	27.27	
	<i>For Stainless Steel, Add</i>	190.86	
	<i>For >10 To 50, Deduct</i>	-1.27	
	<i>For >50 To 100, Deduct</i>	-3.90	
	<i>For >100, Deduct</i>	-7.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0062	EA			1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	88.48	
				<i>For Galvanized, Add</i>	30.89	
				<i>For Stainless Steel, Add</i>	216.20	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-4.22	
				<i>For >100, Deduct</i>	-8.43	
03 15 19 00-0063	EA			1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	97.93	
				<i>For Galvanized, Add</i>	34.87	
				<i>For Stainless Steel, Add</i>	244.09	
				<i>For >10 To 50, Deduct</i>	-1.41	
				<i>For >50 To 100, Deduct</i>	-4.56	
				<i>For >100, Deduct</i>	-9.13	
03 15 19 00-0064	EA			1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	107.59	
				<i>For Galvanized, Add</i>	37.93	
				<i>For Stainless Steel, Add</i>	265.51	
				<i>For >10 To 50, Deduct</i>	-1.59	
				<i>For >50 To 100, Deduct</i>	-5.07	
				<i>For >100, Deduct</i>	-10.14	
03 15 19 00-0065	EA			1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	117.49	
				<i>For Galvanized, Add</i>	40.62	
				<i>For Stainless Steel, Add</i>	284.31	
				<i>For >10 To 50, Deduct</i>	-1.81	
				<i>For >50 To 100, Deduct</i>	-5.66	
				<i>For >100, Deduct</i>	-11.31	
03 15 19 00-0066	EA			1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	129.25	
				<i>For Galvanized, Add</i>	43.48	
				<i>For Stainless Steel, Add</i>	304.33	
				<i>For >10 To 50, Deduct</i>	-2.12	
				<i>For >50 To 100, Deduct</i>	-6.40	
				<i>For >100, Deduct</i>	-12.81	
03 15 19 00-0067	EA			1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	146.90	
				<i>For Galvanized, Add</i>	48.07	
				<i>For Stainless Steel, Add</i>	336.49	
				<i>For >10 To 50, Deduct</i>	-2.54	
				<i>For >50 To 100, Deduct</i>	-7.48	
				<i>For >100, Deduct</i>	-14.96	
03 15 19 00-0068	EA			1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	78.56	
				<i>For Galvanized, Add</i>	29.13	
				<i>For Stainless Steel, Add</i>	203.91	
				<i>For >10 To 50, Deduct</i>	-1.02	
				<i>For >50 To 100, Deduct</i>	-3.49	
				<i>For >100, Deduct</i>	-6.97	
03 15 19 00-0069	EA			1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	93.56	
				<i>For Galvanized, Add</i>	34.09	
				<i>For Stainless Steel, Add</i>	238.63	
				<i>For >10 To 50, Deduct</i>	-1.27	
				<i>For >50 To 100, Deduct</i>	-4.24	
				<i>For >100, Deduct</i>	-8.49	
03 15 19 00-0070	EA			1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	103.91	
				<i>For Galvanized, Add</i>	38.60	
				<i>For Stainless Steel, Add</i>	270.20	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-4.60	
				<i>For >100, Deduct</i>	-9.20	
03 15 19 00-0071	EA			1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	115.36	
				<i>For Galvanized, Add</i>	43.59	
				<i>For Stainless Steel, Add</i>	305.10	
				<i>For >10 To 50, Deduct</i>	-1.41	
				<i>For >50 To 100, Deduct</i>	-5.00	
				<i>For >100, Deduct</i>	-10.00	
03 15 19 00-0072	EA			1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	126.57	
				<i>For Galvanized, Add</i>	47.42	
				<i>For Stainless Steel, Add</i>	331.94	
				<i>For >10 To 50, Deduct</i>	-1.59	
				<i>For >50 To 100, Deduct</i>	-5.54	
				<i>For >100, Deduct</i>	-11.09	
03 15 19 00-0073	EA			1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	137.82	
				<i>For Galvanized, Add</i>	50.78	
				<i>For Stainless Steel, Add</i>	355.46	
				<i>For >10 To 50, Deduct</i>	-1.81	
				<i>For >50 To 100, Deduct</i>	-6.17	
				<i>For >100, Deduct</i>	-12.33	
03 15 19 00-0074	EA			1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	151.88	
				<i>For Galvanized, Add</i>	54.79	
				<i>For Stainless Steel, Add</i>	383.53	
				<i>For >10 To 50, Deduct</i>	-2.12	
				<i>For >50 To 100, Deduct</i>	-6.97	
				<i>For >100, Deduct</i>	-13.94	
03 15 19 00-0075	EA			1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	170.96	
				<i>For Galvanized, Add</i>	60.10	
				<i>For Stainless Steel, Add</i>	420.70	
				<i>For >10 To 50, Deduct</i>	-2.54	
				<i>For >50 To 100, Deduct</i>	-8.08	
				<i>For >100, Deduct</i>	-16.16	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0076	1-1/2", 1-3/4", And 2" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0077	EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	103.82	
	For Galvanized, Add	40.38	
	For Stainless Steel, Add	282.63	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-4.33	
	For >100, Deduct	-8.65	
03 15 19 00-0078	EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	111.41	
	For Galvanized, Add	42.35	
	For Stainless Steel, Add	296.45	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-4.79	
	For >100, Deduct	-9.58	
03 15 19 00-0079	EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	123.05	
	For Galvanized, Add	46.60	
	For Stainless Steel, Add	326.17	
	For >10 To 50, Deduct	-1.49	
	For >50 To 100, Deduct	-5.32	
	For >100, Deduct	-10.63	
03 15 19 00-0080	EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	133.55	
	For Galvanized, Add	50.91	
	For Stainless Steel, Add	356.37	
	For >10 To 50, Deduct	-1.59	
	For >50 To 100, Deduct	-5.72	
	For >100, Deduct	-11.44	
03 15 19 00-0081	EA 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	144.29	
	For Galvanized, Add	55.23	
	For Stainless Steel, Add	386.58	
	For >10 To 50, Deduct	-1.69	
	For >50 To 100, Deduct	-6.15	
	For >100, Deduct	-12.29	
03 15 19 00-0082	EA 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	157.81	
	For Galvanized, Add	59.39	
	For Stainless Steel, Add	415.70	
	For >10 To 50, Deduct	-1.95	
	For >50 To 100, Deduct	-6.87	
	For >100, Deduct	-13.75	
03 15 19 00-0083	EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	174.63	
	For Galvanized, Add	64.24	
	For Stainless Steel, Add	449.68	
	For >10 To 50, Deduct	-2.31	
	For >50 To 100, Deduct	-7.83	
	For >100, Deduct	-15.65	
03 15 19 00-0084	EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	198.88	
	For Galvanized, Add	71.24	
	For Stainless Steel, Add	498.68	
	For >10 To 50, Deduct	-2.82	
	For >50 To 100, Deduct	-9.20	
	For >100, Deduct	-18.40	
03 15 19 00-0085	EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	146.88	
	For Galvanized, Add	60.75	
	For Stainless Steel, Add	425.25	
	For >10 To 50, Deduct	-1.27	
	For >50 To 100, Deduct	-5.58	
	For >100, Deduct	-11.15	
03 15 19 00-0086	EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	152.33	
	For Galvanized, Add	62.07	
	For Stainless Steel, Add	434.49	
	For >10 To 50, Deduct	-1.41	
	For >50 To 100, Deduct	-5.92	
	For >100, Deduct	-11.85	
03 15 19 00-0087	EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	156.00	
	For Galvanized, Add	63.07	
	For Stainless Steel, Add	441.49	
	For >10 To 50, Deduct	-1.49	
	For >50 To 100, Deduct	-6.14	
	For >100, Deduct	-12.28	
03 15 19 00-0088	EA 1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	177.42	
	For Galvanized, Add	72.85	
	For Stainless Steel, Add	509.92	
	For >10 To 50, Deduct	-1.59	
	For >50 To 100, Deduct	-6.82	
	For >100, Deduct	-13.63	
03 15 19 00-0089	EA 1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	204.44	
	For Galvanized, Add	84.09	
	For Stainless Steel, Add	588.63	
	For >10 To 50, Deduct	-1.81	
	For >50 To 100, Deduct	-7.83	
	For >100, Deduct	-15.66	
03 15 19 00-0090	EA 1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	212.69	
	For Galvanized, Add	85.20	
	For Stainless Steel, Add	596.37	
	For >10 To 50, Deduct	-2.12	
	For >50 To 100, Deduct	-8.49	
	For >100, Deduct	-16.98	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	234.76	
				<i>For Galvanized, Add</i>	92.00	
				<i>For Stainless Steel, Add</i>	644.00	
				<i>For >10 To 50, Deduct</i>	-2.54	
				<i>For >50 To 100, Deduct</i>	-9.68	
				<i>For >100, Deduct</i>	-19.35	
	03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	261.63	
				<i>For Galvanized, Add</i>	99.09	
				<i>For Stainless Steel, Add</i>	693.63	
				<i>For >10 To 50, Deduct</i>	-3.17	
				<i>For >50 To 100, Deduct</i>	-11.30	
				<i>For >100, Deduct</i>	-22.60	
	03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	214.82	
				<i>For Galvanized, Add</i>	92.48	
				<i>For Stainless Steel, Add</i>	647.36	
				<i>For >10 To 50, Deduct</i>	-1.49	
				<i>For >50 To 100, Deduct</i>	-7.61	
				<i>For >100, Deduct</i>	-15.22	
	03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	233.80	
				<i>For Galvanized, Add</i>	99.98	
				<i>For Stainless Steel, Add</i>	699.86	
				<i>For >10 To 50, Deduct</i>	-1.69	
				<i>For >50 To 100, Deduct</i>	-8.38	
				<i>For >100, Deduct</i>	-16.77	
	03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	256.98	
				<i>For Galvanized, Add</i>	108.97	
				<i>For Stainless Steel, Add</i>	762.79	
				<i>For >10 To 50, Deduct</i>	-1.95	
				<i>For >50 To 100, Deduct</i>	-9.35	
				<i>For >100, Deduct</i>	-18.71	
	03 15 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	276.97	
				<i>For Galvanized, Add</i>	115.41	
				<i>For Stainless Steel, Add</i>	807.87	
				<i>For >10 To 50, Deduct</i>	-2.31	
				<i>For >50 To 100, Deduct</i>	-10.39	
				<i>For >100, Deduct</i>	-20.77	
	03 15 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	298.79	
				<i>For Galvanized, Add</i>	124.02	
				<i>For Stainless Steel, Add</i>	868.11	
				<i>For >10 To 50, Deduct</i>	-2.54	
				<i>For >50 To 100, Deduct</i>	-11.28	
				<i>For >100, Deduct</i>	-22.55	
	03 15 19 00-0098	EA		2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	321.24	
				<i>For Galvanized, Add</i>	132.42	
				<i>For Stainless Steel, Add</i>	926.94	
				<i>For >10 To 50, Deduct</i>	-2.82	
				<i>For >50 To 100, Deduct</i>	-12.26	
				<i>For >100, Deduct</i>	-24.52	
	03 15 19 00-0099	EA		2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	356.96	
				<i>For Galvanized, Add</i>	142.22	
				<i>For Stainless Steel, Add</i>	995.54	
				<i>For >10 To 50, Deduct</i>	-3.63	
				<i>For >50 To 100, Deduct</i>	-14.36	
				<i>For >100, Deduct</i>	-28.73	
	03 15 19 00-0100	EA		2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	385.22	
				<i>For Galvanized, Add</i>	156.35	
				<i>For Stainless Steel, Add</i>	1,094.45	
				<i>For >10 To 50, Deduct</i>	-3.63	
				<i>For >50 To 100, Deduct</i>	-15.07	
				<i>For >100, Deduct</i>	-30.14	
	03 15 19 00-0101	EA		2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	432.18	
				<i>For Galvanized, Add</i>	173.80	
				<i>For Stainless Steel, Add</i>	1,216.57	
				<i>For >10 To 50, Deduct</i>	-4.23	
				<i>For >50 To 100, Deduct</i>	-17.15	
				<i>For >100, Deduct</i>	-34.30	
	03 15 19 00-0102			2-1/2" And 2-3/4" Diameter <small>(03 15 19 00-0036)</small>		
	03 15 19 00-0103	EA		2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	440.78	
				<i>For Galvanized, Add</i>	205.46	
				<i>For Stainless Steel, Add</i>	1,438.22	
				<i>For >10 To 50, Deduct</i>	-1.49	
				<i>For >50 To 100, Deduct</i>	-13.26	
				<i>For >100, Deduct</i>	-26.52	
	03 15 19 00-0104	EA		2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	463.36	
				<i>For Galvanized, Add</i>	214.76	
				<i>For Stainless Steel, Add</i>	1,503.32	
				<i>For >10 To 50, Deduct</i>	-1.69	
				<i>For >50 To 100, Deduct</i>	-14.12	
				<i>For >100, Deduct</i>	-28.24	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0105	EA 2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	504.84	
	For Galvanized, Add	232.90	
	For Stainless Steel, Add	1,630.30	
	For >10 To 50, Deduct	-1.95	
	For >50 To 100, Deduct	-15.55	
	For >100, Deduct	-31.10	
03 15 19 00-0106	EA 2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	537.04	
	For Galvanized, Add	245.45	
	For Stainless Steel, Add	1,718.12	
	For >10 To 50, Deduct	-2.31	
	For >50 To 100, Deduct	-16.89	
	For >100, Deduct	-33.77	
03 15 19 00-0107	EA 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	567.96	
	For Galvanized, Add	258.60	
	For Stainless Steel, Add	1,810.20	
	For >10 To 50, Deduct	-2.54	
	For >50 To 100, Deduct	-18.01	
	For >100, Deduct	-36.01	
03 15 19 00-0108	EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	603.08	
	For Galvanized, Add	273.34	
	For Stainless Steel, Add	1,913.38	
	For >10 To 50, Deduct	-2.82	
	For >50 To 100, Deduct	-19.31	
	For >100, Deduct	-38.61	
03 15 19 00-0109	EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	649.37	
	For Galvanized, Add	288.43	
	For Stainless Steel, Add	2,018.98	
	For >10 To 50, Deduct	-3.63	
	For >50 To 100, Deduct	-21.67	
	For >100, Deduct	-43.35	
03 15 19 00-0110	EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	496.92	
	For Galvanized, Add	232.60	
	For Stainless Steel, Add	1,628.17	
	For >10 To 50, Deduct	-1.59	
	For >50 To 100, Deduct	-14.80	
	For >100, Deduct	-29.61	
03 15 19 00-0111	EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	533.87	
	For Galvanized, Add	248.81	
	For Stainless Steel, Add	1,741.64	
	For >10 To 50, Deduct	-1.81	
	For >50 To 100, Deduct	-16.07	
	For >100, Deduct	-32.13	
03 15 19 00-0112	EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	572.64	
	For Galvanized, Add	265.17	
	For Stainless Steel, Add	1,856.19	
	For >10 To 50, Deduct	-2.12	
	For >50 To 100, Deduct	-17.49	
	For >100, Deduct	-34.98	
03 15 19 00-0113	EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	610.57	
	For Galvanized, Add	279.91	
	For Stainless Steel, Add	1,959.34	
	For >10 To 50, Deduct	-2.54	
	For >50 To 100, Deduct	-19.07	
	For >100, Deduct	-38.14	
03 15 19 00-0114	EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	648.42	
	For Galvanized, Add	296.01	
	For Stainless Steel, Add	2,072.07	
	For >10 To 50, Deduct	-2.82	
	For >50 To 100, Deduct	-20.44	
	For >100, Deduct	-40.88	
03 15 19 00-0115	EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	701.20	
	For Galvanized, Add	318.88	
	For Stainless Steel, Add	2,232.13	
	For >10 To 50, Deduct	-3.17	
	For >50 To 100, Deduct	-22.29	
	For >100, Deduct	-44.58	
03 15 19 00-0116	EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	757.41	
	For Galvanized, Add	336.41	
	For Stainless Steel, Add	2,354.87	
	For >10 To 50, Deduct	-4.23	
	For >50 To 100, Deduct	-25.28	
	For >100, Deduct	-50.56	

03 20 Concrete Reinforcing ⁽⁰³⁾

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

03 21 Reinforcement Bars ^(03 20)

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

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

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	.....	0.70	
		For Up To 100, Add		0.45	
		For >100 To 200, Add		0.25	
		For >200 To 500, Add		0.10	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	.....	1.18	
		For Up To 100, Add		0.78	
		For >100 To 200, Add		0.43	
		For >200 To 500, Add		0.17	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	.....	1.77	
		For Up To 100, Add		1.19	
		For >100 To 200, Add		0.65	
		For >200 To 500, Add		0.26	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	.....	2.43	
		For Up To 100, Add		1.67	
		For >100 To 200, Add		0.90	
		For >200 To 500, Add		0.36	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	0.72	
		For Up To 100, Add		0.47	
		For >100 To 200, Add		0.26	
		For >200 To 500, Add		0.10	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	1.20	
		For Up To 100, Add		0.80	
		For >100 To 200, Add		0.44	
		For >200 To 500, Add		0.17	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	1.81	
		For Up To 100, Add		1.23	
		For >100 To 200, Add		0.67	
		For >200 To 500, Add		0.27	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	.....	2.48	
		For Up To 100, Add		1.72	
		For >100 To 200, Add		0.93	
		For >200 To 500, Add		0.37	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	0.74	
		For Up To 100, Add		0.49	
		For >100 To 200, Add		0.27	
		For >200 To 500, Add		0.11	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	1.24	
		For Up To 100, Add		0.84	
		For >100 To 200, Add		0.46	
		For >200 To 500, Add		0.18	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	1.87	
		For Up To 100, Add		1.29	
		For >100 To 200, Add		0.70	
		For >200 To 500, Add		0.28	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	2.57	
		For Up To 100, Add		1.81	
		For >100 To 200, Add		0.97	
		For >200 To 500, Add		0.39	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	3.34	
		For Up To 100, Add		1.88	
		For >100 To 200, Add		1.10	
		For >200 To 400, Add		0.51	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	4.16	
		For Up To 100, Add		2.39	
		For >100 To 200, Add		1.39	
		For >200 To 400, Add		0.65	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	5.12	
		For Up To 100, Add		2.98	
		For >100 To 200, Add		1.73	
		For >200 To 400, Add		0.81	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	6.26	
		For Up To 100, Add		3.01	
		For >100 To 200, Add		1.63	
		For >200 To 300, Add		0.81	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	7.44	
		For Up To 100, Add		3.62	
		For >100 To 200, Add		1.95	
		For >200 To 300, Add		0.98	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	10.30	
		For Up To 100, Add		5.09	
		For >100 To 200, Add		2.73	
		For >200 To 300, Add		1.36	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	.....	17.60	
		For Up To 100, Add		8.84	
		For >100 To 200, Add		4.71	
		For >200 To 300, Add		2.35	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	2.66	
		For Up To 100, Add		1.90	
		For >100 To 200, Add		1.02	
		For >200 To 500, Add		0.41	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	3.46	
		For Up To 100, Add		1.97	
		For >100 To 200, Add		1.15	
		For >200 To 400, Add		0.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0023	LF		#8, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	4.32	
			For Up To 100, Add	2.51	
			For >100 To 200, Add	1.45	
			For >200 To 400, Add	0.68	
03 21 11 00-0024	LF		#9, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	5.32	
			For Up To 100, Add	3.13	
			For >100 To 200, Add	1.81	
			For >200 To 400, Add	0.85	
03 21 11 00-0025	LF		#10, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	6.51	
			For Up To 100, Add	3.16	
			For >100 To 200, Add	1.70	
			For >200 To 300, Add	0.85	
03 21 11 00-0026	LF		#11, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	7.75	
			For Up To 100, Add	3.81	
			For >100 To 200, Add	2.05	
			For >200 To 300, Add	1.02	
03 21 11 00-0027	LF		#14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	10.74	
			For Up To 100, Add	5.36	
			For >100 To 200, Add	2.86	
			For >200 To 300, Add	1.43	
03 21 11 00-0028	LF		#18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	18.39	
			For Up To 100, Add	9.32	
			For >100 To 200, Add	4.95	
			For >200 To 300, Add	2.47	
03 21 11 00-0029	LF		#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.75	
			For Up To 100, Add	0.50	
			For >100 To 200, Add	0.27	
			For >200 To 500, Add	0.11	
03 21 11 00-0030	LF		#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.27	
			For Up To 100, Add	0.87	
			For >100 To 200, Add	0.47	
			For >200 To 500, Add	0.19	
03 21 11 00-0031	LF		#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.92	
			For Up To 100, Add	1.34	
			For >100 To 200, Add	0.72	
			For >200 To 500, Add	0.29	
03 21 11 00-0032	LF		#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.64	
			For Up To 100, Add	1.88	
			For >100 To 200, Add	1.01	
			For >200 To 500, Add	0.40	
03 21 11 00-0033	LF		#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.43	
			For Up To 100, Add	1.95	
			For >100 To 200, Add	1.14	
			For >200 To 400, Add	0.53	
03 21 11 00-0034	LF		#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.28	
			For Up To 100, Add	2.48	
			For >100 To 200, Add	1.44	
			For >200 To 400, Add	0.67	
03 21 11 00-0035	LF		#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.27	
			For Up To 100, Add	3.09	
			For >100 To 200, Add	1.79	
			For >200 To 400, Add	0.84	
03 21 11 00-0036	LF		#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.44	
			For Up To 100, Add	3.11	
			For >100 To 200, Add	1.68	
			For >200 To 300, Add	0.84	
03 21 11 00-0037	LF		#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.67	
			For Up To 100, Add	3.76	
			For >100 To 200, Add	2.02	
			For >200 To 300, Add	1.01	
03 21 11 00-0038	LF		#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	10.63	
			For Up To 100, Add	5.29	
			For >100 To 200, Add	2.83	
			For >200 To 300, Add	1.41	
03 21 11 00-0039	LF		#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	18.19	
			For Up To 100, Add	9.20	
			For >100 To 200, Add	4.89	
			For >200 To 300, Add	2.44	
03 21 11 00-0040			Columns, Steel Reinforcement Bar <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0041	LF		#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.73	
			For Up To 100, Add	0.47	
			For >100 To 200, Add	0.26	
			For >200 To 500, Add	0.10	
03 21 11 00-0042	LF		#4, Grade 40, Columns, Steel Reinforcement Bar.....	1.26	
			For Up To 100, Add	0.82	
			For >100 To 200, Add	0.45	
			For >200 To 500, Add	0.18	
03 21 11 00-0043	LF		#5, Grade 40, Columns, Steel Reinforcement Bar.....	1.86	
			For Up To 100, Add	1.23	
			For >100 To 200, Add	0.67	
			For >200 To 500, Add	0.27	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0044 LF #6, Grade 40, Columns, Steel Reinforcement Bar.....	2.56	
For Up To 100, Add	1.73	
For >100 To 200, Add	0.93	
For >200 To 500, Add	0.37	
03 21 11 00-0045 LF #3, Grade 50, Columns, Steel Reinforcement Bar.....	0.75	
For Up To 100, Add	0.49	
For >100 To 200, Add	0.27	
For >200 To 500, Add	0.11	
03 21 11 00-0046 LF #4, Grade 50, Columns, Steel Reinforcement Bar.....	1.28	
For Up To 100, Add	0.84	
For >100 To 200, Add	0.46	
For >200 To 500, Add	0.18	
03 21 11 00-0047 LF #5, Grade 50, Columns, Steel Reinforcement Bar.....	1.90	
For Up To 100, Add	1.27	
For >100 To 200, Add	0.69	
For >200 To 500, Add	0.28	
03 21 11 00-0048 LF #6, Grade 50, Columns, Steel Reinforcement Bar.....	2.61	
For Up To 100, Add	1.78	
For >100 To 200, Add	0.96	
For >200 To 500, Add	0.38	
03 21 11 00-0049 LF #3, Grade 60, Columns, Steel Reinforcement Bar.....	0.77	
For Up To 100, Add	0.51	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 11 00-0050 LF #4, Grade 60, Columns, Steel Reinforcement Bar.....	1.32	
For Up To 100, Add	0.88	
For >100 To 200, Add	0.48	
For >200 To 500, Add	0.19	
03 21 11 00-0051 LF #5, Grade 60, Columns, Steel Reinforcement Bar.....	1.96	
For Up To 100, Add	1.33	
For >100 To 200, Add	0.72	
For >200 To 500, Add	0.29	
03 21 11 00-0052 LF #6, Grade 60, Columns, Steel Reinforcement Bar.....	2.70	
For Up To 100, Add	1.87	
For >100 To 200, Add	1.00	
For >200 To 500, Add	0.40	
03 21 11 00-0053 LF #7, Grade 60, Columns, Steel Reinforcement Bar.....	3.49	
For Up To 100, Add	1.93	
For >100 To 200, Add	1.14	
For >200 To 400, Add	0.53	
03 21 11 00-0054 LF #8, Grade 60, Columns, Steel Reinforcement Bar.....	4.34	
For Up To 100, Add	2.45	
For >100 To 200, Add	1.43	
For >200 To 400, Add	0.67	
03 21 11 00-0055 LF #9, Grade 60, Columns, Steel Reinforcement Bar.....	5.33	
For Up To 100, Add	3.05	
For >100 To 200, Add	1.78	
For >200 To 400, Add	0.83	
03 21 11 00-0056 LF #10, Grade 60, Columns, Steel Reinforcement Bar.....	6.50	
For Up To 100, Add	3.08	
For >100 To 200, Add	1.68	
For >200 To 300, Add	0.84	
03 21 11 00-0057 LF #11, Grade 60, Columns, Steel Reinforcement Bar.....	7.71	
For Up To 100, Add	3.71	
For >100 To 200, Add	2.01	
For >200 To 300, Add	1.00	
03 21 11 00-0058 LF #14, Grade 60, Columns, Steel Reinforcement Bar.....	10.67	
For Up To 100, Add	5.21	
For >100 To 200, Add	2.80	
For >200 To 300, Add	1.40	
03 21 11 00-0059 LF #18, Grade 60, Columns, Steel Reinforcement Bar.....	18.17	
For Up To 100, Add	9.02	
For >100 To 200, Add	4.82	
For >200 To 300, Add	2.41	
03 21 11 00-0060 LF #6, Grade 75, Columns, Steel Reinforcement Bar.....	2.79	
For Up To 100, Add	1.96	
For >100 To 200, Add	1.05	
For >200 To 500, Add	0.42	
03 21 11 00-0061 LF #7, Grade 75, Columns, Steel Reinforcement Bar.....	3.61	
For Up To 100, Add	2.02	
For >100 To 200, Add	1.19	
For >200 To 400, Add	0.55	
03 21 11 00-0062 LF #8, Grade 75, Columns, Steel Reinforcement Bar.....	4.50	
For Up To 100, Add	2.57	
For >100 To 200, Add	1.50	
For >200 To 400, Add	0.70	
03 21 11 00-0063 LF #9, Grade 75, Columns, Steel Reinforcement Bar.....	5.53	
For Up To 100, Add	3.20	
For >100 To 200, Add	1.86	
For >200 To 400, Add	0.87	
03 21 11 00-0064 LF #10, Grade 75, Columns, Steel Reinforcement Bar.....	6.75	
For Up To 100, Add	3.23	
For >100 To 200, Add	1.75	
For >200 To 300, Add	0.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0065 LF #11, Grade 75, Columns, Steel Reinforcement Bar	8.02	
<i>For Up To 100, Add</i>	3.89	
<i>For >100 To 200, Add</i>	2.10	
<i>For >200 To 300, Add</i>	1.05	
03 21 11 00-0066 LF #14, Grade 75, Columns, Steel Reinforcement Bar	11.11	
<i>For Up To 100, Add</i>	5.47	
<i>For >100 To 200, Add</i>	2.93	
<i>For >200 To 300, Add</i>	1.47	
03 21 11 00-0067 LF #18, Grade 75, Columns, Steel Reinforcement Bar	18.96	
<i>For Up To 100, Add</i>	9.49	
<i>For >100 To 200, Add</i>	5.06	
<i>For >200 To 300, Add</i>	2.53	
03 21 11 00-0068 LF #3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.78	
<i>For Up To 100, Add</i>	0.52	
<i>For >100 To 200, Add</i>	0.28	
<i>For >200 To 500, Add</i>	0.11	
03 21 11 00-0069 LF #4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.35	
<i>For Up To 100, Add</i>	0.91	
<i>For >100 To 200, Add</i>	0.49	
<i>For >200 To 500, Add</i>	0.20	
03 21 11 00-0070 LF #5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.01	
<i>For Up To 100, Add</i>	1.38	
<i>For >100 To 200, Add</i>	0.74	
<i>For >200 To 500, Add</i>	0.30	
03 21 11 00-0071 LF #6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.77	
<i>For Up To 100, Add</i>	1.94	
<i>For >100 To 200, Add</i>	1.04	
<i>For >200 To 500, Add</i>	0.42	
03 21 11 00-0072 LF #7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.58	
<i>For Up To 100, Add</i>	2.00	
<i>For >100 To 200, Add</i>	1.18	
<i>For >200 To 400, Add</i>	0.55	
03 21 11 00-0073 LF #8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.46	
<i>For Up To 100, Add</i>	2.54	
<i>For >100 To 200, Add</i>	1.48	
<i>For >200 To 400, Add</i>	0.69	
03 21 11 00-0074 LF #9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.48	
<i>For Up To 100, Add</i>	3.17	
<i>For >100 To 200, Add</i>	1.84	
<i>For >200 To 400, Add</i>	0.86	
03 21 11 00-0075 LF #10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.68	
<i>For Up To 100, Add</i>	3.19	
<i>For >100 To 200, Add</i>	1.73	
<i>For >200 To 300, Add</i>	0.87	
03 21 11 00-0076 LF #11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.94	
<i>For Up To 100, Add</i>	3.84	
<i>For >100 To 200, Add</i>	2.08	
<i>For >200 To 300, Add</i>	1.04	
03 21 11 00-0077 LF #14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	11.00	
<i>For Up To 100, Add</i>	5.40	
<i>For >100 To 200, Add</i>	2.90	
<i>For >200 To 300, Add</i>	1.45	
03 21 11 00-0078 LF #18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	18.76	
<i>For Up To 100, Add</i>	9.37	
<i>For >100 To 200, Add</i>	5.00	
<i>For >200 To 300, Add</i>	2.50	
03 21 11 00-0079 Footings, Steel Reinforcement Bar ^(03 21 11)		
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0080 LF #3, Grade 40, Footings, Steel Reinforcement Bar	0.63	
<i>For Up To 100, Add</i>	0.43	
<i>For >100 To 200, Add</i>	0.23	
<i>For >200 To 500, Add</i>	0.09	
03 21 11 00-0081 LF #4, Grade 40, Footings, Steel Reinforcement Bar	1.08	
<i>For Up To 100, Add</i>	0.74	
<i>For >100 To 200, Add</i>	0.40	
<i>For >200 To 500, Add</i>	0.16	
03 21 11 00-0082 LF #5, Grade 40, Footings, Steel Reinforcement Bar	1.64	
<i>For Up To 100, Add</i>	1.14	
<i>For >100 To 200, Add</i>	0.61	
<i>For >200 To 500, Add</i>	0.25	
03 21 11 00-0083 LF #6, Grade 40, Footings, Steel Reinforcement Bar	2.25	
<i>For Up To 100, Add</i>	1.60	
<i>For >100 To 200, Add</i>	0.86	
<i>For >200 To 500, Add</i>	0.34	
03 21 11 00-0084 LF #3, Grade 50, Footings, Steel Reinforcement Bar	0.65	
<i>For Up To 100, Add</i>	0.45	
<i>For >100 To 200, Add</i>	0.24	
<i>For >200 To 500, Add</i>	0.10	
03 21 11 00-0085 LF #4, Grade 50, Footings, Steel Reinforcement Bar	1.10	
<i>For Up To 100, Add</i>	0.76	
<i>For >100 To 200, Add</i>	0.41	
<i>For >200 To 500, Add</i>	0.16	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	.....	1.68	
		For Up To 100, Add		1.18	
		For >100 To 200, Add		0.63	
		For >200 To 500, Add		0.25	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	.....	2.30	
		For Up To 100, Add		1.65	
		For >100 To 200, Add		0.88	
		For >200 To 500, Add		0.35	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	.....	0.67	
		For Up To 100, Add		0.47	
		For >100 To 200, Add		0.25	
		For >200 To 500, Add		0.10	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	.....	1.14	
		For Up To 100, Add		0.80	
		For >100 To 200, Add		0.43	
		For >200 To 500, Add		0.17	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	.....	1.74	
		For Up To 100, Add		1.24	
		For >100 To 200, Add		0.66	
		For >200 To 500, Add		0.27	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	.....	2.39	
		For Up To 100, Add		1.74	
		For >100 To 200, Add		0.93	
		For >200 To 500, Add		0.37	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	.....	3.11	
		For Up To 100, Add		1.80	
		For >100 To 200, Add		1.04	
		For >200 To 400, Add		0.49	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	.....	3.89	
		For Up To 100, Add		2.29	
		For >100 To 200, Add		1.32	
		For >200 To 400, Add		0.62	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	.....	4.79	
		For Up To 100, Add		2.86	
		For >100 To 200, Add		1.64	
		For >200 To 400, Add		0.78	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	.....	5.87	
		For Up To 100, Add		3.56	
		For >100 To 200, Add		2.03	
		For >200 To 400, Add		0.96	
		For Up To 100, Add		2.89	
		For >100 To 200, Add		1.55	
		For >200 To 300, Add		0.78	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	.....	7.02	
		For Up To 100, Add		4.31	
		For >100 To 200, Add		2.45	
		For >200 To 400, Add		1.17	
		For Up To 100, Add		3.50	
		For >100 To 200, Add		1.87	
		For >200 To 300, Add		0.93	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	.....	9.76	
		For Up To 100, Add		6.09	
		For >100 To 200, Add		3.44	
		For >200 To 400, Add		1.64	
		For Up To 100, Add		4.93	
		For >100 To 200, Add		2.62	
		For >200 To 300, Add		1.31	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	.....	16.74	
		For Up To 100, Add		10.61	
		For >100 To 200, Add		5.97	
		For >200 To 400, Add		2.86	
		For Up To 100, Add		8.59	
		For >100 To 200, Add		4.54	
		For >200 To 300, Add		2.27	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	.....	2.48	
		For Up To 100, Add		1.83	
		For >100 To 200, Add		0.97	
		For >200 To 500, Add		0.39	
		For Up To 100, Add		1.43	
		For >100 To 200, Add		0.83	
		For >200 To 400, Add		0.39	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	.....	3.23	
		For Up To 100, Add		1.89	
		For >100 To 200, Add		1.09	
		For >200 To 400, Add		0.51	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	.....	4.05	
		For Up To 100, Add		2.41	
		For >100 To 200, Add		1.39	
		For >200 To 400, Add		0.65	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	.....	4.99	
		For Up To 100, Add		3.01	
		For >100 To 200, Add		1.72	
		For >200 To 400, Add		0.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0103	LF		#10, Grade 75, Footings, Steel Reinforcement Bar	6.12	
			For Up To 100, Add	3.04	
			For >100 To 200, Add	1.63	
			For >200 To 300, Add	0.81	
03 21 11 00-0104	LF		#11, Grade 75, Footings, Steel Reinforcement Bar	7.33	
			For Up To 100, Add	3.68	
			For >100 To 200, Add	1.96	
			For >200 To 300, Add	0.98	
03 21 11 00-0105	LF		#14, Grade 75, Footings, Steel Reinforcement Bar	10.20	
			For Up To 100, Add	5.20	
			For >100 To 200, Add	2.75	
			For >200 To 300, Add	1.38	
03 21 11 00-0106	LF		#18, Grade 75, Footings, Steel Reinforcement Bar	17.53	
			For Up To 100, Add	9.06	
			For >100 To 200, Add	4.77	
			For >200 To 300, Add	2.39	
03 21 11 00-0107	LF		#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.68	
			For Up To 100, Add	0.48	
			For >100 To 200, Add	0.26	
			For >200 To 500, Add	0.10	
03 21 11 00-0108	LF		#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.17	
			For Up To 100, Add	0.83	
			For >100 To 200, Add	0.45	
			For >200 To 500, Add	0.18	
03 21 11 00-0109	LF		#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.79	
			For Up To 100, Add	1.29	
			For >100 To 200, Add	0.69	
			For >200 To 500, Add	0.28	
03 21 11 00-0110	LF		#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.46	
			For Up To 100, Add	1.81	
			For >100 To 200, Add	0.96	
			For >200 To 500, Add	0.38	
03 21 11 00-0111	LF		#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.20	
			For Up To 100, Add	1.87	
			For >100 To 200, Add	1.08	
			For >200 To 400, Add	0.51	
03 21 11 00-0112	LF		#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.01	
			For Up To 100, Add	2.38	
			For >100 To 200, Add	1.37	
			For >200 To 400, Add	0.65	
03 21 11 00-0113	LF		#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.94	
			For Up To 100, Add	2.98	
			For >100 To 200, Add	1.70	
			For >200 To 400, Add	0.81	
03 21 11 00-0114	LF		#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.05	
			For Up To 100, Add	3.00	
			For >100 To 200, Add	1.60	
			For >200 To 300, Add	0.80	
03 21 11 00-0115	LF		#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.25	
			For Up To 100, Add	3.64	
			For >100 To 200, Add	1.94	
			For >200 To 300, Add	0.97	
03 21 11 00-0116	LF		#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	10.09	
			For Up To 100, Add	5.13	
			For >100 To 200, Add	2.72	
			For >200 To 300, Add	1.36	
03 21 11 00-0117	LF		#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	17.33	
			For Up To 100, Add	8.94	
			For >100 To 200, Add	4.71	
			For >200 To 300, Add	2.36	
03 21 11 00-0118			Slab On Grade, Steel Reinforcement Bar (03 21 11)		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0119	LF		#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.61	
			For Up To 100, Add	0.42	
			For >100 To 200, Add	0.23	
			For >200 To 500, Add	0.09	
03 21 11 00-0120	LF		#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.05	
			For Up To 100, Add	0.73	
			For >100 To 200, Add	0.39	
			For >200 To 500, Add	0.16	
03 21 11 00-0121	LF		#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.58	
			For Up To 100, Add	1.12	
			For >100 To 200, Add	0.60	
			For >200 To 500, Add	0.24	
03 21 11 00-0122	LF		#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.18	
			For Up To 100, Add	1.57	
			For >100 To 200, Add	0.84	
			For >200 To 500, Add	0.34	
03 21 11 00-0123	LF		#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.63	
			For Up To 100, Add	0.44	
			For >100 To 200, Add	0.24	
			For >200 To 500, Add	0.09	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0124 LF #4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.07	
For Up To 100, Add	0.75	
For >100 To 200, Add	0.40	
For >200 To 500, Add	0.16	
03 21 11 00-0125 LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.62	
For Up To 100, Add	1.16	
For >100 To 200, Add	0.62	
For >200 To 500, Add	0.25	
03 21 11 00-0126 LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.23	
For Up To 100, Add	1.62	
For >100 To 200, Add	0.86	
For >200 To 500, Add	0.35	
03 21 11 00-0127 LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.65	
For Up To 100, Add	0.46	
For >100 To 200, Add	0.25	
For >200 To 500, Add	0.10	
03 21 11 00-0128 LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.11	
For Up To 100, Add	0.79	
For >100 To 200, Add	0.42	
For >200 To 500, Add	0.17	
03 21 11 00-0129 LF #5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.68	
For Up To 100, Add	1.22	
For >100 To 200, Add	0.65	
For >200 To 500, Add	0.26	
03 21 11 00-0130 LF #6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.32	
For Up To 100, Add	1.71	
For >100 To 200, Add	0.91	
For >200 To 500, Add	0.36	
03 21 11 00-0131 LF #7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.03	
For Up To 100, Add	1.77	
For >100 To 200, Add	1.02	
For >200 To 400, Add	0.48	
03 21 11 00-0132 LF #8, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.79	
For Up To 100, Add	2.26	
For >100 To 200, Add	1.30	
For >200 To 400, Add	0.61	
03 21 11 00-0133 LF #9, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.68	
For Up To 100, Add	2.83	
For >100 To 200, Add	1.62	
For >200 To 400, Add	0.77	
03 21 11 00-0134 LF #10, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.74	
For Up To 100, Add	2.85	
For >100 To 200, Add	1.52	
For >200 To 300, Add	0.76	
03 21 11 00-0135 LF #11, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.89	
For Up To 100, Add	3.46	
For >100 To 200, Add	1.84	
For >200 To 300, Add	0.92	
03 21 11 00-0136 LF #14, Grade 60, Slab On Grade, Steel Reinforcement Bar	9.57	
For Up To 100, Add	4.88	
For >100 To 200, Add	2.58	
For >200 To 300, Add	1.29	
03 21 11 00-0137 LF #18, Grade 60, Slab On Grade, Steel Reinforcement Bar	16.46	
For Up To 100, Add	8.50	
For >100 To 200, Add	4.48	
For >200 To 300, Add	2.24	
03 21 11 00-0138 LF #6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.41	
For Up To 100, Add	1.80	
For >100 To 200, Add	0.95	
For >200 To 500, Add	0.38	
03 21 11 00-0139 LF #7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.15	
For Up To 100, Add	1.86	
For >100 To 200, Add	1.07	
For >200 To 400, Add	0.51	
03 21 11 00-0140 LF #8, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.95	
For Up To 100, Add	2.38	
For >100 To 200, Add	1.36	
For >200 To 400, Add	0.64	
03 21 11 00-0141 LF #9, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.88	
For Up To 100, Add	2.98	
For >100 To 200, Add	1.70	
For >200 To 400, Add	0.81	
03 21 11 00-0142 LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.99	
For Up To 100, Add	3.00	
For >100 To 200, Add	1.60	
For >200 To 300, Add	0.80	
03 21 11 00-0143 LF #11, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.20	
For Up To 100, Add	3.65	
For >100 To 200, Add	1.94	
For >200 To 300, Add	0.97	
03 21 11 00-0144 LF #14, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.01	
For Up To 100, Add	5.14	
For >100 To 200, Add	2.71	
For >200 To 300, Add	1.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0145	LF		#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	17.25	
			For Up To 100, Add	8.98	
			For >100 To 200, Add	4.72	
			For >200 To 300, Add	2.36	
03 21 11 00-0146	LF		#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.66	
			For Up To 100, Add	0.47	
			For >100 To 200, Add	0.25	
			For >200 To 500, Add	0.10	
03 21 11 00-0147	LF		#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.14	
			For Up To 100, Add	0.82	
			For >100 To 200, Add	0.44	
			For >200 To 500, Add	0.18	
03 21 11 00-0148	LF		#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.73	
			For Up To 100, Add	1.27	
			For >100 To 200, Add	0.67	
			For >200 To 500, Add	0.27	
03 21 11 00-0149	LF		#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.39	
			For Up To 100, Add	1.78	
			For >100 To 200, Add	0.94	
			For >200 To 500, Add	0.38	
03 21 11 00-0150	LF		#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.12	
			For Up To 100, Add	1.84	
			For >100 To 200, Add	1.06	
			For >200 To 400, Add	0.50	
03 21 11 00-0151	LF		#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.91	
			For Up To 100, Add	2.35	
			For >100 To 200, Add	1.35	
			For >200 To 400, Add	0.64	
03 21 11 00-0152	LF		#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.83	
			For Up To 100, Add	2.94	
			For >100 To 200, Add	1.68	
			For >200 To 400, Add	0.80	
03 21 11 00-0153	LF		#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.92	
			For Up To 100, Add	2.96	
			For >100 To 200, Add	1.58	
			For >200 To 300, Add	0.79	
03 21 11 00-0154	LF		#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.12	
			For Up To 100, Add	3.60	
			For >100 To 200, Add	1.91	
			For >200 To 300, Add	0.96	
03 21 11 00-0155	LF		#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	9.90	
			For Up To 100, Add	5.07	
			For >100 To 200, Add	2.68	
			For >200 To 300, Add	1.34	
03 21 11 00-0156	LF		#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	17.05	
			For Up To 100, Add	8.86	
			For >100 To 200, Add	4.66	
			For >200 To 300, Add	2.33	
03 21 11 00-0157			Elevated Slabs, Steel Reinforcement Bar <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0158	LF		#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.57	
			For Up To 100, Add	0.40	
			For >100 To 200, Add	0.22	
			For >200 To 500, Add	0.09	
03 21 11 00-0159	LF		#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.98	
			For Up To 100, Add	0.70	
			For >100 To 200, Add	0.38	
			For >200 To 500, Add	0.15	
03 21 11 00-0160	LF		#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.48	
			For Up To 100, Add	1.08	
			For >100 To 200, Add	0.57	
			For >200 To 500, Add	0.23	
03 21 11 00-0161	LF		#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.06	
			For Up To 100, Add	1.53	
			For >100 To 200, Add	0.81	
			For >200 To 500, Add	0.32	
03 21 11 00-0162	LF		#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.59	
			For Up To 100, Add	0.42	
			For >100 To 200, Add	0.23	
			For >200 To 500, Add	0.09	
03 21 11 00-0163	LF		#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.00	
			For Up To 100, Add	0.72	
			For >100 To 200, Add	0.39	
			For >200 To 500, Add	0.15	
03 21 11 00-0164	LF		#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.52	
			For Up To 100, Add	1.12	
			For >100 To 200, Add	0.59	
			For >200 To 500, Add	0.24	
03 21 11 00-0165	LF		#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.11	
			For Up To 100, Add	1.58	
			For >100 To 200, Add	0.83	
			For >200 To 500, Add	0.33	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0166 LF #3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.61	
For Up To 100, Add	0.44	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.09	
03 21 11 00-0167 LF #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.04	
For Up To 100, Add	0.76	
For >100 To 200, Add	0.41	
For >200 To 500, Add	0.16	
03 21 11 00-0168 LF #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.58	
For Up To 100, Add	1.18	
For >100 To 200, Add	0.62	
For >200 To 500, Add	0.25	
03 21 11 00-0169 LF #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.20	
For Up To 100, Add	1.67	
For >100 To 200, Add	0.88	
For >200 To 500, Add	0.35	
03 21 11 00-0170 LF #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.88	
For Up To 100, Add	1.72	
For >100 To 200, Add	0.99	
For >200 To 400, Add	0.47	
03 21 11 00-0171 LF #8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.60	
For Up To 100, Add	2.19	
For >100 To 200, Add	1.25	
For >200 To 400, Add	0.59	
03 21 11 00-0172 LF #9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.47	
For Up To 100, Add	2.75	
For >100 To 200, Add	1.56	
For >200 To 400, Add	0.74	
03 21 11 00-0173 LF #10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.50	
For Up To 100, Add	2.78	
For >100 To 200, Add	1.48	
For >200 To 300, Add	0.74	
03 21 11 00-0174 LF #11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.59	
For Up To 100, Add	3.37	
For >100 To 200, Add	1.78	
For >200 To 300, Add	0.89	
03 21 11 00-0175 LF #14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.22	
For Up To 100, Add	4.77	
For >100 To 200, Add	2.51	
For >200 To 300, Add	1.26	
03 21 11 00-0176 LF #18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	15.89	
For Up To 100, Add	8.33	
For >100 To 200, Add	4.37	
For >200 To 300, Add	2.18	
03 21 11 00-0177 LF #6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.29	
For Up To 100, Add	1.76	
For >100 To 200, Add	0.92	
For >200 To 500, Add	0.37	
03 21 11 00-0178 LF #7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.00	
For Up To 100, Add	1.81	
For >100 To 200, Add	1.04	
For >200 To 400, Add	0.49	
03 21 11 00-0179 LF #8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.76	
For Up To 100, Add	2.31	
For >100 To 200, Add	1.31	
For >200 To 400, Add	0.63	
03 21 11 00-0180 LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.67	
For Up To 100, Add	2.90	
For >100 To 200, Add	1.64	
For >200 To 400, Add	0.78	
03 21 11 00-0181 LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.75	
For Up To 100, Add	2.93	
For >100 To 200, Add	1.55	
For >200 To 300, Add	0.78	
03 21 11 00-0182 LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.90	
For Up To 100, Add	3.56	
For >100 To 200, Add	1.88	
For >200 To 300, Add	0.94	
03 21 11 00-0183 LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	9.66	
For Up To 100, Add	5.03	
For >100 To 200, Add	2.64	
For >200 To 300, Add	1.32	
03 21 11 00-0184 LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	16.68	
For Up To 100, Add	8.81	
For >100 To 200, Add	4.60	
For >200 To 300, Add	2.30	
03 21 11 00-0185 LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.62	
For Up To 100, Add	0.45	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.10	
03 21 11 00-0186 LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.07	
For Up To 100, Add	0.79	
For >100 To 200, Add	0.42	
For >200 To 500, Add	0.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0187	LF		#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	1.63	
			For Up To 100, Add	1.23	
			For >100 To 200, Add	0.65	
			For >200 To 500, Add	0.26	
03 21 11 00-0188	LF		#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	2.27	
			For Up To 100, Add	1.74	
			For >100 To 200, Add	0.91	
			For >200 To 500, Add	0.37	
03 21 11 00-0189	LF		#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	2.97	
			For Up To 100, Add	1.79	
			For >100 To 200, Add	1.02	
			For >200 To 400, Add	0.48	
03 21 11 00-0190	LF		#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	3.72	
			For Up To 100, Add	2.28	
			For >100 To 200, Add	1.30	
			For >200 To 400, Add	0.62	
03 21 11 00-0191	LF		#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	4.62	
			For Up To 100, Add	2.87	
			For >100 To 200, Add	1.62	
			For >200 To 400, Add	0.77	
03 21 11 00-0192	LF		#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	5.68	
			For Up To 100, Add	2.89	
			For >100 To 200, Add	1.53	
			For >200 To 300, Add	0.77	
03 21 11 00-0193	LF		#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	6.82	
			For Up To 100, Add	3.51	
			For >100 To 200, Add	1.85	
			For >200 To 300, Add	0.93	
03 21 11 00-0194	LF		#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	9.55	
			For Up To 100, Add	4.97	
			For >100 To 200, Add	2.61	
			For >200 To 300, Add	1.31	
03 21 11 00-0195	LF		#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	16.48	
			For Up To 100, Add	8.69	
			For >100 To 200, Add	4.54	
			For >200 To 300, Add	2.27	
03 21 11 00-0196			Walls, Steel Reinforcement Bar <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF		#3, Grade 40, Walls, Steel Reinforcement Bar.....	0.55	
			For Up To 100, Add	0.39	
			For >100 To 200, Add	0.21	
			For >200 To 500, Add	0.08	
03 21 11 00-0198	LF		#4, Grade 40, Walls, Steel Reinforcement Bar.....	0.95	
			For Up To 100, Add	0.69	
			For >100 To 200, Add	0.37	
			For >200 To 500, Add	0.15	
03 21 11 00-0199	LF		#5, Grade 40, Walls, Steel Reinforcement Bar.....	1.43	
			For Up To 100, Add	1.06	
			For >100 To 200, Add	0.56	
			For >200 To 500, Add	0.22	
03 21 11 00-0200	LF		#6, Grade 40, Walls, Steel Reinforcement Bar.....	2.00	
			For Up To 100, Add	1.50	
			For >100 To 200, Add	0.79	
			For >200 To 500, Add	0.32	
03 21 11 00-0201	LF		#3, Grade 50, Walls, Steel Reinforcement Bar.....	0.57	
			For Up To 100, Add	0.41	
			For >100 To 200, Add	0.22	
			For >200 To 500, Add	0.09	
03 21 11 00-0202	LF		#4, Grade 50, Walls, Steel Reinforcement Bar.....	0.97	
			For Up To 100, Add	0.71	
			For >100 To 200, Add	0.38	
			For >200 To 500, Add	0.15	
03 21 11 00-0203	LF		#5, Grade 50, Walls, Steel Reinforcement Bar.....	1.47	
			For Up To 100, Add	1.10	
			For >100 To 200, Add	0.58	
			For >200 To 500, Add	0.23	
03 21 11 00-0204	LF		#6, Grade 50, Walls, Steel Reinforcement Bar.....	2.05	
			For Up To 100, Add	1.55	
			For >100 To 200, Add	0.82	
			For >200 To 500, Add	0.33	
03 21 11 00-0205	LF		#3, Grade 60, Walls, Steel Reinforcement Bar.....	0.59	
			For Up To 100, Add	0.43	
			For >100 To 200, Add	0.23	
			For >200 To 500, Add	0.09	
03 21 11 00-0206	LF		#4, Grade 60, Walls, Steel Reinforcement Bar.....	1.01	
			For Up To 100, Add	0.75	
			For >100 To 200, Add	0.40	
			For >200 To 500, Add	0.16	
03 21 11 00-0207	LF		#5, Grade 60, Walls, Steel Reinforcement Bar.....	1.53	
			For Up To 100, Add	1.16	
			For >100 To 200, Add	0.61	
			For >200 To 500, Add	0.24	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0208 LF #6, Grade 60, Walls, Steel Reinforcement Bar	2.14	
For Up To 100, Add	1.64	
For >100 To 200, Add	0.86	
For >200 To 500, Add	0.35	
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar	2.79	
For Up To 100, Add	1.69	
For >100 To 200, Add	0.96	
For >200 To 400, Add	0.46	
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar	3.52	
For Up To 100, Add	2.16	
For >100 To 200, Add	1.23	
For >200 To 400, Add	0.59	
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar	4.37	
For Up To 100, Add	2.72	
For >100 To 200, Add	1.54	
For >200 To 400, Add	0.73	
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar	5.38	
For Up To 100, Add	2.74	
For >100 To 200, Add	1.45	
For >200 To 300, Add	0.73	
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar	6.46	
For Up To 100, Add	3.33	
For >100 To 200, Add	1.76	
For >200 To 300, Add	0.88	
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar	9.04	
For Up To 100, Add	4.72	
For >100 To 200, Add	2.48	
For >200 To 300, Add	1.24	
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar	15.61	
For Up To 100, Add	8.25	
For >100 To 200, Add	4.31	
For >200 To 300, Add	2.16	
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar	2.23	
For Up To 100, Add	1.73	
For >100 To 200, Add	0.91	
For >200 To 500, Add	0.36	
03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar	2.91	
For Up To 100, Add	1.78	
For >100 To 200, Add	1.01	
For >200 To 400, Add	0.48	
03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar	3.68	
For Up To 100, Add	2.28	
For >100 To 200, Add	1.29	
For >200 To 400, Add	0.62	
03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar	4.57	
For Up To 100, Add	2.87	
For >100 To 200, Add	1.62	
For >200 To 400, Add	0.77	
03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar	5.63	
For Up To 100, Add	2.89	
For >100 To 200, Add	1.53	
For >200 To 300, Add	0.76	
03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar	6.77	
For Up To 100, Add	3.52	
For >100 To 200, Add	1.85	
For >200 To 300, Add	0.92	
03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar	9.48	
For Up To 100, Add	4.98	
For >100 To 200, Add	2.61	
For >200 To 300, Add	1.30	
03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar	16.40	
For Up To 100, Add	8.72	
For >100 To 200, Add	4.55	
For >200 To 300, Add	2.27	
03 21 11 00-0224 LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.60	
For Up To 100, Add	0.44	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.09	
03 21 11 00-0225 LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.04	
For Up To 100, Add	0.78	
For >100 To 200, Add	0.41	
For >200 To 500, Add	0.17	
03 21 11 00-0226 LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.58	
For Up To 100, Add	1.21	
For >100 To 200, Add	0.64	
For >200 To 500, Add	0.25	
03 21 11 00-0227 LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.21	
For Up To 100, Add	1.71	
For >100 To 200, Add	0.90	
For >200 To 500, Add	0.36	
03 21 11 00-0228 LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.88	
For Up To 100, Add	1.76	
For >100 To 200, Add	1.00	
For >200 To 400, Add	0.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0229	LF		#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	3.64	
			<i>For Up To 100, Add</i>	2.25	
			<i>For >100 To 200, Add</i>	1.28	
			<i>For >200 To 400, Add</i>	0.61	
03 21 11 00-0230	LF		#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	4.52	
			<i>For Up To 100, Add</i>	2.83	
			<i>For >100 To 200, Add</i>	1.60	
			<i>For >200 To 400, Add</i>	0.76	
03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	5.56	
			<i>For Up To 100, Add</i>	2.85	
			<i>For >100 To 200, Add</i>	1.51	
			<i>For >200 To 300, Add</i>	0.75	
03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	6.69	
			<i>For Up To 100, Add</i>	3.47	
			<i>For >100 To 200, Add</i>	1.83	
			<i>For >200 To 300, Add</i>	0.91	
03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	9.37	
			<i>For Up To 100, Add</i>	4.91	
			<i>For >100 To 200, Add</i>	2.58	
			<i>For >200 To 300, Add</i>	1.29	
03 21 11 00-0234	LF		#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	16.20	
			<i>For Up To 100, Add</i>	8.60	
			<i>For >100 To 200, Add</i>	4.49	
			<i>For >200 To 300, Add</i>	2.24	
03 21 11 00-0235			Mechanical Joint Connection (03 21 11)		
03 21 11 00-0236			Thermal Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0237	EA		Thermal Type Mechanical Joint Connection, Add Per Splice.....	234.67	
03 21 11 00-0238			Screwed Type Mechanical Joint Connection (03 21 11 00-0235)		
03 21 11 00-0239	EA		Screwed Type Mechanical Joint Connection, Add Per Splice.....	128.19	
03 21 11 00-0240			Deformed Straight Dowels (03 21 11)		
			Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel.....	3.10	
			<i>For Up To 12" Length, Deduct</i>	-0.35	
			<i>For >12" To <24" Length, Deduct</i>	-0.17	
03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel.....	3.70	
			<i>For Up To 12" Length, Deduct</i>	-0.46	
			<i>For >12" To <24" Length, Deduct</i>	-0.23	
03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel.....	4.49	
			<i>For Up To 12" Length, Deduct</i>	-0.72	
			<i>For >12" To <24" Length, Deduct</i>	-0.36	
03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel.....	5.45	
			<i>For Up To 12" Length, Deduct</i>	-1.04	
			<i>For >12" To <24" Length, Deduct</i>	-0.52	
03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel.....	6.38	
			<i>For Up To 12" Length, Deduct</i>	-1.45	
			<i>For >12" To <24" Length, Deduct</i>	-0.73	
03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel.....	8.06	
			<i>For Up To 12" Length, Deduct</i>	-1.86	
			<i>For >12" To <24" Length, Deduct</i>	-0.93	
03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel.....	9.48	
			<i>For Up To 12" Length, Deduct</i>	-2.30	
			<i>For >12" To <24" Length, Deduct</i>	-1.15	
03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel.....	11.60	
			<i>For Up To 12" Length, Deduct</i>	-3.00	
			<i>For >12" To <24" Length, Deduct</i>	-1.50	
03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel.....	13.73	
			<i>For Up To 12" Length, Deduct</i>	-3.71	
			<i>For >12" To <24" Length, Deduct</i>	-1.85	
03 21 11 00-0250			Spirals, Reinforcing Steel (03 21 11)		
03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,550.09	
			<i>For Grade 75, Add</i>	136.87	
03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,508.68	
			<i>For Grade 75, Add</i>	136.87	
03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,477.12	
			<i>For Grade 75, Add</i>	136.87	
03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,425.45	
			<i>For Grade 75, Add</i>	136.87	
03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,355.61	
			<i>For Grade 75, Add</i>	136.87	
03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,331.41	
			<i>For Grade 75, Add</i>	140.23	
03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,272.94	
			<i>For Grade 75, Add</i>	140.23	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete <small>(03 21 11)</small>		
03 21 11 00-0259 EA Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment.....	30.44	
03 21 11 00-0260 EA Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment.....	31.80	
03 21 11 00-0261 Accessories For Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice <small>(03 21 11 00-0261)</small>		
03 21 11 00-0263 EA Up To #6 Reinforcing Steel Lap-Weld Splice.....	61.52	
03 21 11 00-0264 EA >#6 Reinforcing Steel Lap-Weld Splice.....	98.07	
03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint <small>(03 21 11 00-0261)</small>		
03 21 11 00-0266 EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	33.41	
03 21 11 00-0267 EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	51.00	
03 21 11 00-0268 EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	76.05	
03 21 13 Galvanized Reinforcement Steel Bars <small>(03 21)</small>		
03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002 LF #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.85	
For Up To 100, Add	0.60	
For >100 To 200, Add	0.32	
For >200 To 500, Add	0.13	
03 21 13 00-0003 LF #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.44	
For Up To 100, Add	1.04	
For >100 To 200, Add	0.56	
For >200 To 500, Add	0.22	
03 21 13 00-0004 LF #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.18	
For Up To 100, Add	1.60	
For >100 To 200, Add	0.85	
For >200 To 500, Add	0.34	
03 21 13 00-0005 LF #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.02	
For Up To 100, Add	2.26	
For >100 To 200, Add	1.20	
For >200 To 500, Add	0.48	
03 21 13 00-0006 LF #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.87	
For Up To 100, Add	0.62	
For >100 To 200, Add	0.33	
For >200 To 500, Add	0.13	
03 21 13 00-0007 LF #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.47	
For Up To 100, Add	1.07	
For >100 To 200, Add	0.57	
For >200 To 500, Add	0.23	
03 21 13 00-0008 LF #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.22	
For Up To 100, Add	1.64	
For >100 To 200, Add	0.87	
For >200 To 500, Add	0.35	
03 21 13 00-0009 LF #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.08	
For Up To 100, Add	2.32	
For >100 To 200, Add	1.23	
For >200 To 500, Add	0.49	
03 21 13 00-0010 LF #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.89	
For Up To 100, Add	0.64	
For >100 To 200, Add	0.34	
For >200 To 500, Add	0.14	
03 21 13 00-0011 LF #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.51	
For Up To 100, Add	1.11	
For >100 To 200, Add	0.59	
For >200 To 500, Add	0.24	
03 21 13 00-0012 LF #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.29	
For Up To 100, Add	1.71	
For >100 To 200, Add	0.91	
For >200 To 500, Add	0.36	
03 21 13 00-0013 LF #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.17	
For Up To 100, Add	2.41	
For >100 To 200, Add	1.27	
For >200 To 500, Add	0.51	
03 21 13 00-0014 LF #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.16	
For Up To 100, Add	2.50	
For >100 To 200, Add	1.43	
For >200 To 400, Add	0.68	
03 21 13 00-0015 LF #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.22	
For Up To 100, Add	3.18	
For >100 To 200, Add	1.81	
For >200 To 400, Add	0.86	
03 21 13 00-0016 LF #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	6.47	
For Up To 100, Add	3.99	
For >100 To 200, Add	2.27	
For >200 To 400, Add	1.08	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.97	
			For Up To 100, Add	4.03	
			For >100 To 200, Add	2.14	
			For >200 To 300, Add	1.07	
03 21	13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.55	
			For Up To 100, Add	4.89	
			For >100 To 200, Add	2.59	
			For >200 To 300, Add	1.29	
03 21	13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	13.34	
			For Up To 100, Add	6.92	
			For >100 To 200, Add	3.64	
			For >200 To 300, Add	1.82	
03 21	13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	23.00	
			For Up To 100, Add	12.08	
			For >100 To 200, Add	6.33	
			For >200 To 300, Add	3.16	
03 21	13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.26	
			For Up To 100, Add	2.50	
			For >100 To 200, Add	1.32	
			For >200 To 500, Add	0.53	
03 21	13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.28	
			For Up To 100, Add	2.59	
			For >100 To 200, Add	1.48	
			For >200 To 400, Add	0.70	
03 21	13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.38	
			For Up To 100, Add	3.30	
			For >100 To 200, Add	1.88	
			For >200 To 400, Add	0.89	
03 21	13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.67	
			For Up To 100, Add	4.14	
			For >100 To 200, Add	2.35	
			For >200 To 400, Add	1.12	
03 21	13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.22	
			For Up To 100, Add	4.18	
			For >100 To 200, Add	2.22	
			For >200 To 300, Add	1.11	
03 21	13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.86	
			For Up To 100, Add	5.08	
			For >100 To 200, Add	2.68	
			For >200 To 300, Add	1.34	
03 21	13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	13.78	
			For Up To 100, Add	7.18	
			For >100 To 200, Add	3.77	
			For >200 To 300, Add	1.89	
03 21	13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	23.79	
			For Up To 100, Add	12.56	
			For >100 To 200, Add	6.57	
			For >200 To 300, Add	3.28	
03 21	13 00-0029		Columns, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
			Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21	13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.88	
			For Up To 100, Add	0.62	
			For >100 To 200, Add	0.33	
			For >200 To 500, Add	0.13	
03 21	13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.52	
			For Up To 100, Add	1.08	
			For >100 To 200, Add	0.58	
			For >200 To 500, Add	0.23	
03 21	13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.27	
			For Up To 100, Add	1.64	
			For >100 To 200, Add	0.87	
			For >200 To 500, Add	0.35	
03 21	13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.15	
			For Up To 100, Add	2.32	
			For >100 To 200, Add	1.23	
			For >200 To 500, Add	0.49	
03 21	13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.90	
			For Up To 100, Add	0.64	
			For >100 To 200, Add	0.34	
			For >200 To 500, Add	0.14	
03 21	13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.55	
			For Up To 100, Add	1.11	
			For >100 To 200, Add	0.59	
			For >200 To 500, Add	0.24	
03 21	13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.31	
			For Up To 100, Add	1.68	
			For >100 To 200, Add	0.89	
			For >200 To 500, Add	0.36	
03 21	13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.21	
			For Up To 100, Add	2.38	
			For >100 To 200, Add	1.26	
			For >200 To 500, Add	0.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0038	LF	#3,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	0.92	
				<i>For Up To 100, Add</i>	0.66	
				<i>For >100 To 200, Add</i>	0.35	
				<i>For >200 To 500, Add</i>	0.14	
03 21	13 00-0039	LF	#4,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.59	
				<i>For Up To 100, Add</i>	1.15	
				<i>For >100 To 200, Add</i>	0.61	
				<i>For >200 To 500, Add</i>	0.24	
03 21	13 00-0040	LF	#5,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	2.38	
				<i>For Up To 100, Add</i>	1.75	
				<i>For >100 To 200, Add</i>	0.93	
				<i>For >200 To 500, Add</i>	0.37	
03 21	13 00-0041	LF	#6,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.30	
				<i>For Up To 100, Add</i>	2.47	
				<i>For >100 To 200, Add</i>	1.30	
				<i>For >200 To 500, Add</i>	0.52	
03 21	13 00-0042	LF	#7,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	4.31	
				<i>For Up To 100, Add</i>	2.55	
				<i>For >100 To 200, Add</i>	1.47	
				<i>For >200 To 400, Add</i>	0.69	
03 21	13 00-0043	LF	#8,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	5.40	
				<i>For Up To 100, Add</i>	3.25	
				<i>For >100 To 200, Add</i>	1.86	
				<i>For >200 To 400, Add</i>	0.88	
03 21	13 00-0044	LF	#9,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	6.68	
				<i>For Up To 100, Add</i>	4.07	
				<i>For >100 To 200, Add</i>	2.32	
				<i>For >200 To 400, Add</i>	1.10	
03 21	13 00-0045	LF	#10,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	8.21	
				<i>For Up To 100, Add</i>	4.10	
				<i>For >100 To 200, Add</i>	2.19	
				<i>For >200 To 300, Add</i>	1.09	
03 21	13 00-0046	LF	#11,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	9.82	
				<i>For Up To 100, Add</i>	4.97	
				<i>For >100 To 200, Add</i>	2.64	
				<i>For >200 To 300, Add</i>	1.32	
03 21	13 00-0047	LF	#14,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	13.71	
				<i>For Up To 100, Add</i>	7.03	
				<i>For >100 To 200, Add</i>	3.71	
				<i>For >200 To 300, Add</i>	1.86	
03 21	13 00-0048	LF	#18,	Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	23.57	
				<i>For Up To 100, Add</i>	12.26	
				<i>For >100 To 200, Add</i>	6.44	
				<i>For >200 To 300, Add</i>	3.22	
03 21	13 00-0049	LF	#6,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	3.39	
				<i>For Up To 100, Add</i>	2.56	
				<i>For >100 To 200, Add</i>	1.35	
				<i>For >200 To 500, Add</i>	0.54	
03 21	13 00-0050	LF	#7,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	4.43	
				<i>For Up To 100, Add</i>	2.64	
				<i>For >100 To 200, Add</i>	1.52	
				<i>For >200 To 400, Add</i>	0.72	
03 21	13 00-0051	LF	#8,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	5.56	
				<i>For Up To 100, Add</i>	3.37	
				<i>For >100 To 200, Add</i>	1.92	
				<i>For >200 To 400, Add</i>	0.91	
03 21	13 00-0052	LF	#9,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	6.88	
				<i>For Up To 100, Add</i>	4.22	
				<i>For >100 To 200, Add</i>	2.40	
				<i>For >200 To 400, Add</i>	1.14	
03 21	13 00-0053	LF	#10,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	8.46	
				<i>For Up To 100, Add</i>	4.25	
				<i>For >100 To 200, Add</i>	2.26	
				<i>For >200 To 300, Add</i>	1.13	
03 21	13 00-0054	LF	#11,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	10.13	
				<i>For Up To 100, Add</i>	5.16	
				<i>For >100 To 200, Add</i>	2.73	
				<i>For >200 To 300, Add</i>	1.37	
03 21	13 00-0055	LF	#14,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	14.15	
				<i>For Up To 100, Add</i>	7.29	
				<i>For >100 To 200, Add</i>	3.85	
				<i>For >200 To 300, Add</i>	1.92	
03 21	13 00-0056	LF	#18,	Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	24.36	
				<i>For Up To 100, Add</i>	12.73	
				<i>For >100 To 200, Add</i>	6.68	
				<i>For >200 To 300, Add</i>	3.34	
03 21	13 00-0057			Footings, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
				Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21	13 00-0058	LF	#3,	Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.78	
				<i>For Up To 100, Add</i>	0.58	
				<i>For >100 To 200, Add</i>	0.31	
				<i>For >200 To 500, Add</i>	0.12	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.34	
			For Up To 100, Add	1.00	
			For >100 To 200, Add	0.53	
			For >200 To 500, Add	0.21	
03 21	13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.05	
			For Up To 100, Add	1.55	
			For >100 To 200, Add	0.82	
			For >200 To 500, Add	0.33	
03 21	13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.84	
			For Up To 100, Add	2.19	
			For >100 To 200, Add	1.15	
			For >200 To 500, Add	0.46	
03 21	13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.80	
			For Up To 100, Add	0.60	
			For >100 To 200, Add	0.32	
			For >200 To 500, Add	0.13	
03 21	13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.37	
			For Up To 100, Add	1.03	
			For >100 To 200, Add	0.55	
			For >200 To 500, Add	0.22	
03 21	13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.09	
			For Up To 100, Add	1.59	
			For >100 To 200, Add	0.84	
			For >200 To 500, Add	0.34	
03 21	13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.90	
			For Up To 100, Add	2.25	
			For >100 To 200, Add	1.18	
			For >200 To 500, Add	0.47	
03 21	13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.82	
			For Up To 100, Add	0.62	
			For >100 To 200, Add	0.33	
			For >200 To 500, Add	0.13	
03 21	13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.41	
			For Up To 100, Add	1.07	
			For >100 To 200, Add	0.57	
			For >200 To 500, Add	0.23	
03 21	13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.16	
			For Up To 100, Add	1.66	
			For >100 To 200, Add	0.87	
			For >200 To 500, Add	0.35	
03 21	13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.99	
			For Up To 100, Add	2.34	
			For >100 To 200, Add	1.23	
			For >200 To 500, Add	0.49	
03 21	13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.93	
			For Up To 100, Add	2.42	
			For >100 To 200, Add	1.37	
			For >200 To 400, Add	0.65	
03 21	13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.95	
			For Up To 100, Add	3.09	
			For >100 To 200, Add	1.75	
			For >200 To 400, Add	0.83	
03 21	13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.14	
			For Up To 100, Add	3.88	
			For >100 To 200, Add	2.18	
			For >200 To 400, Add	1.05	
03 21	13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.58	
			For Up To 100, Add	3.92	
			For >100 To 200, Add	2.06	
			For >200 To 300, Add	1.03	
03 21	13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.13	
			For Up To 100, Add	4.76	
			For >100 To 200, Add	2.50	
			For >200 To 300, Add	1.25	
03 21	13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	12.80	
			For Up To 100, Add	6.76	
			For >100 To 200, Add	3.53	
			For >200 To 300, Add	1.77	
03 21	13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	22.14	
			For Up To 100, Add	11.83	
			For >100 To 200, Add	6.16	
			For >200 To 300, Add	3.08	
03 21	13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.08	
			For Up To 100, Add	2.43	
			For >100 To 200, Add	1.27	
			For >200 To 500, Add	0.51	
03 21	13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.05	
			For Up To 100, Add	2.51	
			For >100 To 200, Add	1.42	
			For >200 To 400, Add	0.68	
03 21	13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.11	
			For Up To 100, Add	3.21	
			For >100 To 200, Add	1.81	
			For >200 To 400, Add	0.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 21	13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	6.34 4.03 2.26 1.09	
	03 21	13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	7.83 4.07 2.14 1.07	
	03 21	13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	9.44 4.95 2.59 1.30	
	03 21	13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	13.24 7.02 3.66 1.83	
	03 21	13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 300, Add</i>	22.93 12.30 6.39 3.20	
	03 21	13 00-0085		Slab On Grade, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small> Note: ASTM A-767 Hot Dipped Galvanized Steel.		
	03 21	13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	0.76 0.57 0.30 0.12	
	03 21	13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	1.31 0.99 0.52 0.21	
	03 21	13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	1.99 1.53 0.80 0.32	
	03 21	13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	2.77 2.16 1.13 0.45	
	03 21	13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	0.78 0.59 0.31 0.12	
	03 21	13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	1.34 1.02 0.54 0.22	
	03 21	13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	2.03 1.57 0.82 0.33	
	03 21	13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	2.83 2.22 1.16 0.47	
	03 21	13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	0.80 0.61 0.32 0.13	
	03 21	13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	1.38 1.06 0.56 0.22	
	03 21	13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	2.10 1.64 0.86 0.34	
	03 21	13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 500, Add</i>	2.92 2.31 1.21 0.48	
	03 21	13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	3.85 2.39 1.35 0.65	
	03 21	13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	4.85 3.05 1.72 0.82	
	03 21	13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar <i>For Up To 100, Add</i> <i>For >100 To 200, Add</i> <i>For >200 To 400, Add</i>	6.03 3.84 2.16 1.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.45	
			For Up To 100, Add	3.88	
			For >100 To 200, Add	2.04	
			For >200 To 300, Add	1.02	
03 21	13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.00	
			For Up To 100, Add	4.73	
			For >100 To 200, Add	2.48	
			For >200 To 300, Add	1.24	
03 21	13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	12.61	
			For Up To 100, Add	6.70	
			For >100 To 200, Add	3.49	
			For >200 To 300, Add	1.75	
03 21	13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	21.86	
			For Up To 100, Add	11.74	
			For >100 To 200, Add	6.10	
			For >200 To 300, Add	3.05	
03 21	13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.01	
			For Up To 100, Add	2.40	
			For >100 To 200, Add	1.25	
			For >200 To 500, Add	0.50	
03 21	13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.97	
			For Up To 100, Add	2.48	
			For >100 To 200, Add	1.40	
			For >200 To 400, Add	0.67	
03 21	13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.01	
			For Up To 100, Add	3.17	
			For >100 To 200, Add	1.79	
			For >200 To 400, Add	0.86	
03 21	13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.23	
			For Up To 100, Add	3.99	
			For >100 To 200, Add	2.24	
			For >200 To 400, Add	1.08	
03 21	13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.70	
			For Up To 100, Add	4.03	
			For >100 To 200, Add	2.11	
			For >200 To 300, Add	1.06	
03 21	13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.31	
			For Up To 100, Add	4.91	
			For >100 To 200, Add	2.57	
			For >200 To 300, Add	1.28	
03 21	13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	13.05	
			For Up To 100, Add	6.96	
			For >100 To 200, Add	3.63	
			For >200 To 300, Add	1.81	
03 21	13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	22.65	
			For Up To 100, Add	12.22	
			For >100 To 200, Add	6.34	
			For >200 To 300, Add	3.17	
03 21	13 00-0113		Elevated Slabs, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
			Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21	13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.72	
			For Up To 100, Add	0.55	
			For >100 To 200, Add	0.29	
			For >200 To 500, Add	0.12	
03 21	13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.24	
			For Up To 100, Add	0.96	
			For >100 To 200, Add	0.51	
			For >200 To 500, Add	0.20	
03 21	13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.89	
			For Up To 100, Add	1.49	
			For >100 To 200, Add	0.78	
			For >200 To 500, Add	0.31	
03 21	13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.65	
			For Up To 100, Add	2.12	
			For >100 To 200, Add	1.10	
			For >200 To 500, Add	0.44	
03 21	13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.74	
			For Up To 100, Add	0.57	
			For >100 To 200, Add	0.30	
			For >200 To 500, Add	0.12	
03 21	13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.27	
			For Up To 100, Add	0.99	
			For >100 To 200, Add	0.52	
			For >200 To 500, Add	0.21	
03 21	13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.93	
			For Up To 100, Add	1.53	
			For >100 To 200, Add	0.80	
			For >200 To 500, Add	0.32	
03 21	13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.71	
			For Up To 100, Add	2.18	
			For >100 To 200, Add	1.13	
			For >200 To 500, Add	0.45	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
03 21	13 00-0122	LF	#3,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....0.76 <i>For Up To 100, Add</i> 0.59 <i>For >100 To 200, Add</i> 0.31 <i>For >200 To 500, Add</i> 0.12			
03 21	13 00-0123	LF	#4,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....1.31 <i>For Up To 100, Add</i> 1.03 <i>For >100 To 200, Add</i> 0.54 <i>For >200 To 500, Add</i> 0.22			
03 21	13 00-0124	LF	#5,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....2.00 <i>For Up To 100, Add</i> 1.60 <i>For >100 To 200, Add</i> 0.83 <i>For >200 To 500, Add</i> 0.33			
03 21	13 00-0125	LF	#6,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....2.80 <i>For Up To 100, Add</i> 2.27 <i>For >100 To 200, Add</i> 1.18 <i>For >200 To 500, Add</i> 0.47			
03 21	13 00-0126	LF	#7,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....3.70 <i>For Up To 100, Add</i> 2.34 <i>For >100 To 200, Add</i> 1.32 <i>For >200 To 400, Add</i> 0.63			
03 21	13 00-0127	LF	#8,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....4.66 <i>For Up To 100, Add</i> 2.99 <i>For >100 To 200, Add</i> 1.67 <i>For >200 To 400, Add</i> 0.81			
03 21	13 00-0128	LF	#9,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....5.82 <i>For Up To 100, Add</i> 3.77 <i>For >100 To 200, Add</i> 2.10 <i>For >200 To 400, Add</i> 1.01			
03 21	13 00-0129	LF	#10,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....7.21 <i>For Up To 100, Add</i> 3.80 <i>For >100 To 200, Add</i> 1.99 <i>For >200 To 300, Add</i> 0.99			
03 21	13 00-0130	LF	#11,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....8.70 <i>For Up To 100, Add</i> 4.64 <i>For >100 To 200, Add</i> 2.42 <i>For >200 To 300, Add</i> 1.21			
03 21	13 00-0131	LF	#14,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....12.26 <i>For Up To 100, Add</i> 6.59 <i>For >100 To 200, Add</i> 3.42 <i>For >200 To 300, Add</i> 1.71			
03 21	13 00-0132	LF	#18,	Elevated Slabs, Galvanized Steel Reinforcement Bar .....21.29 <i>For Up To 100, Add</i> 11.57 <i>For >100 To 200, Add</i> 5.99 <i>For >200 To 300, Add</i> 2.99			
03 21	13 00-0133	LF	#6,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....2.89 <i>For Up To 100, Add</i> 2.36 <i>For >100 To 200, Add</i> 1.22 <i>For >200 To 500, Add</i> 0.49			
03 21	13 00-0134	LF	#7,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....3.82 <i>For Up To 100, Add</i> 2.43 <i>For >100 To 200, Add</i> 1.36 <i>For >200 To 400, Add</i> 0.65			
03 21	13 00-0135	LF	#8,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....4.82 <i>For Up To 100, Add</i> 3.11 <i>For >100 To 200, Add</i> 1.74 <i>For >200 To 400, Add</i> 0.84			
03 21	13 00-0136	LF	#9,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....6.02 <i>For Up To 100, Add</i> 3.92 <i>For >100 To 200, Add</i> 2.18 <i>For >200 To 400, Add</i> 1.05			
03 21	13 00-0137	LF	#10,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....7.46 <i>For Up To 100, Add</i> 3.95 <i>For >100 To 200, Add</i> 2.06 <i>For >200 To 300, Add</i> 1.03			
03 21	13 00-0138	LF	#11,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....9.01 <i>For Up To 100, Add</i> 4.82 <i>For >100 To 200, Add</i> 2.51 <i>For >200 To 300, Add</i> 1.25			
03 21	13 00-0139	LF	#14,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....12.70 <i>For Up To 100, Add</i> 6.86 <i>For >100 To 200, Add</i> 3.56 <i>For >200 To 300, Add</i> 1.78			
03 21	13 00-0140	LF	#18,	Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....22.08 <i>For Up To 100, Add</i> 12.05 <i>For >100 To 200, Add</i> 6.22 <i>For >200 To 300, Add</i> 3.11			
03 21	13 00-0141	Walls, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>					
		Note: ASTM A-767 Hot Dipped Galvanized Steel.					
03 21	13 00-0142	LF	#3,	Grade 40, Walls, Galvanized Steel Reinforcement Bar .....0.70 <i>For Up To 100, Add</i> 0.54 <i>For >100 To 200, Add</i> 0.29 <i>For >200 To 500, Add</i> 0.11			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.21	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 200, Add</i>	0.50	
			<i>For >200 To 500, Add</i>	0.20	
03 21	13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.84	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 200, Add</i>	0.77	
			<i>For >200 To 500, Add</i>	0.31	
03 21	13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.59	
			<i>For Up To 100, Add</i>	2.09	
			<i>For >100 To 200, Add</i>	1.09	
			<i>For >200 To 500, Add</i>	0.44	
03 21	13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.72	
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 200, Add</i>	0.30	
			<i>For >200 To 500, Add</i>	0.12	
03 21	13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.24	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 200, Add</i>	0.51	
			<i>For >200 To 500, Add</i>	0.21	
03 21	13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.88	
			<i>For Up To 100, Add</i>	1.51	
			<i>For >100 To 200, Add</i>	0.79	
			<i>For >200 To 500, Add</i>	0.31	
03 21	13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.65	
			<i>For Up To 100, Add</i>	2.15	
			<i>For >100 To 200, Add</i>	1.12	
			<i>For >200 To 500, Add</i>	0.45	
03 21	13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.74	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 200, Add</i>	0.31	
			<i>For >200 To 500, Add</i>	0.12	
03 21	13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.28	
			<i>For Up To 100, Add</i>	1.02	
			<i>For >100 To 200, Add</i>	0.53	
			<i>For >200 To 500, Add</i>	0.21	
03 21	13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.95	
			<i>For Up To 100, Add</i>	1.58	
			<i>For >100 To 200, Add</i>	0.82	
			<i>For >200 To 500, Add</i>	0.33	
03 21	13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.74	
			<i>For Up To 100, Add</i>	2.24	
			<i>For >100 To 200, Add</i>	1.16	
			<i>For >200 To 500, Add</i>	0.47	
03 21	13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.61	
			<i>For Up To 100, Add</i>	2.30	
			<i>For >100 To 200, Add</i>	1.29	
			<i>For >200 To 400, Add</i>	0.62	
03 21	13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.58	
			<i>For Up To 100, Add</i>	2.96	
			<i>For >100 To 200, Add</i>	1.65	
			<i>For >200 To 400, Add</i>	0.80	
03 21	13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.72	
			<i>For Up To 100, Add</i>	3.73	
			<i>For >100 To 200, Add</i>	2.08	
			<i>For >200 To 400, Add</i>	1.00	
03 21	13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.09	
			<i>For Up To 100, Add</i>	3.77	
			<i>For >100 To 200, Add</i>	1.97	
			<i>For >200 To 300, Add</i>	0.98	
03 21	13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.57	
			<i>For Up To 100, Add</i>	4.60	
			<i>For >100 To 200, Add</i>	2.39	
			<i>For >200 To 300, Add</i>	1.19	
03 21	13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	12.08	
			<i>For Up To 100, Add</i>	6.54	
			<i>For >100 To 200, Add</i>	3.39	
			<i>For >200 To 300, Add</i>	1.69	
03 21	13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	21.01	
			<i>For Up To 100, Add</i>	11.49	
			<i>For >100 To 200, Add</i>	5.93	
			<i>For >200 To 300, Add</i>	2.97	
03 21	13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.83	
			<i>For Up To 100, Add</i>	2.33	
			<i>For >100 To 200, Add</i>	1.21	
			<i>For >200 To 500, Add</i>	0.48	
03 21	13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.73	
			<i>For Up To 100, Add</i>	2.39	
			<i>For >100 To 200, Add</i>	1.34	
			<i>For >200 To 400, Add</i>	0.65	
03 21	13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.74	
			<i>For Up To 100, Add</i>	3.08	
			<i>For >100 To 200, Add</i>	1.72	
			<i>For >200 To 400, Add</i>	0.83	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0164 LF #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.92	
For Up To 100, Add	3.88	
For >100 To 200, Add	2.16	
For >200 To 400, Add	1.04	
03 21 13 00-0165 LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.34	
For Up To 100, Add	3.92	
For >100 To 200, Add	2.04	
For >200 To 300, Add	1.02	
03 21 13 00-0166 LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.88	
For Up To 100, Add	4.78	
For >100 To 200, Add	2.48	
For >200 To 300, Add	1.24	
03 21 13 00-0167 LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	12.52	
For Up To 100, Add	6.80	
For >100 To 200, Add	3.52	
For >200 To 300, Add	1.76	
03 21 13 00-0168 LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	21.80	
For Up To 100, Add	11.96	
For >100 To 200, Add	6.17	
For >200 To 300, Add	3.08	

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

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002 LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.83	
For Up To 100, Add	0.58	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.13	
03 21 16 00-0003 LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.41	
For Up To 100, Add	1.01	
For >100 To 200, Add	0.54	
For >200 To 500, Add	0.22	
03 21 16 00-0004 LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.14	
For Up To 100, Add	1.56	
For >100 To 200, Add	0.83	
For >200 To 500, Add	0.33	
03 21 16 00-0005 LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.96	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.17	
For >200 To 500, Add	0.47	
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.85	
For Up To 100, Add	0.60	
For >100 To 200, Add	0.32	
For >200 To 500, Add	0.13	
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.44	
For Up To 100, Add	1.04	
For >100 To 200, Add	0.56	
For >200 To 500, Add	0.22	
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.18	
For Up To 100, Add	1.60	
For >100 To 200, Add	0.85	
For >200 To 500, Add	0.34	
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.02	
For Up To 100, Add	2.26	
For >100 To 200, Add	1.20	
For >200 To 500, Add	0.48	
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.87	
For Up To 100, Add	0.62	
For >100 To 200, Add	0.33	
For >200 To 500, Add	0.13	
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.48	
For Up To 100, Add	1.08	
For >100 To 200, Add	0.58	
For >200 To 500, Add	0.23	
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.24	
For Up To 100, Add	1.66	
For >100 To 200, Add	0.88	
For >200 To 500, Add	0.35	
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.10	
For Up To 100, Add	2.34	
For >100 To 200, Add	1.24	
For >200 To 500, Add	0.49	
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.07	
For Up To 100, Add	2.43	
For >100 To 200, Add	1.39	
For >200 To 400, Add	0.66	
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.11	
For Up To 100, Add	3.10	
For >100 To 200, Add	1.77	
For >200 To 400, Add	0.84	
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.32	
For Up To 100, Add	3.88	
For >100 To 200, Add	2.21	
For >200 To 400, Add	1.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0017	LF		#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.78	
			<i>For Up To 100, Add</i>	3.92	
			<i>For >100 To 200, Add</i>	2.08	
			<i>For >200 To 300, Add</i>	1.04	
03 21 16 00-0018	LF		#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.32	
			<i>For Up To 100, Add</i>	4.75	
			<i>For >100 To 200, Add</i>	2.52	
			<i>For >200 To 300, Add</i>	1.26	
03 21 16 00-0019	LF		#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.01	
			<i>For Up To 100, Add</i>	6.72	
			<i>For >100 To 200, Add</i>	3.54	
			<i>For >200 To 300, Add</i>	1.77	
03 21 16 00-0020	LF		#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	22.41	
			<i>For Up To 100, Add</i>	11.73	
			<i>For >100 To 200, Add</i>	6.15	
			<i>For >200 To 300, Add</i>	3.08	
03 21 16 00-0021	LF		#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.19	
			<i>For Up To 100, Add</i>	2.43	
			<i>For >100 To 200, Add</i>	1.28	
			<i>For >200 To 500, Add</i>	0.51	
03 21 16 00-0022	LF		#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.19	
			<i>For Up To 100, Add</i>	2.52	
			<i>For >100 To 200, Add</i>	1.44	
			<i>For >200 To 400, Add</i>	0.68	
03 21 16 00-0023	LF		#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.26	
			<i>For Up To 100, Add</i>	3.21	
			<i>For >100 To 200, Add</i>	1.83	
			<i>For >200 To 400, Add</i>	0.87	
03 21 16 00-0024	LF		#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.52	
			<i>For Up To 100, Add</i>	4.03	
			<i>For >100 To 200, Add</i>	2.29	
			<i>For >200 To 400, Add</i>	1.09	
03 21 16 00-0025	LF		#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.03	
			<i>For Up To 100, Add</i>	4.07	
			<i>For >100 To 200, Add</i>	2.16	
			<i>For >200 To 300, Add</i>	1.08	
03 21 16 00-0026	LF		#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.63	
			<i>For Up To 100, Add</i>	4.94	
			<i>For >100 To 200, Add</i>	2.61	
			<i>For >200 To 300, Add</i>	1.30	
03 21 16 00-0027	LF		#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	13.45	
			<i>For Up To 100, Add</i>	6.98	
			<i>For >100 To 200, Add</i>	3.67	
			<i>For >200 To 300, Add</i>	1.84	
03 21 16 00-0028	LF		#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	23.20	
			<i>For Up To 100, Add</i>	12.20	
			<i>For >100 To 200, Add</i>	6.39	
			<i>For >200 To 300, Add</i>	3.19	
03 21 16 00-0029			Columns, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>		
			Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030	LF		#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.86	
			<i>For Up To 100, Add</i>	0.60	
			<i>For >100 To 200, Add</i>	0.32	
			<i>For >200 To 500, Add</i>	0.13	
03 21 16 00-0031	LF		#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.49	
			<i>For Up To 100, Add</i>	1.05	
			<i>For >100 To 200, Add</i>	0.56	
			<i>For >200 To 500, Add</i>	0.22	
03 21 16 00-0032	LF		#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.23	
			<i>For Up To 100, Add</i>	1.60	
			<i>For >100 To 200, Add</i>	0.85	
			<i>For >200 To 500, Add</i>	0.34	
03 21 16 00-0033	LF		#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.09	
			<i>For Up To 100, Add</i>	2.26	
			<i>For >100 To 200, Add</i>	1.20	
			<i>For >200 To 500, Add</i>	0.48	
03 21 16 00-0034	LF		#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.88	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 200, Add</i>	0.33	
			<i>For >200 To 500, Add</i>	0.13	
03 21 16 00-0035	LF		#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.52	
			<i>For Up To 100, Add</i>	1.08	
			<i>For >100 To 200, Add</i>	0.58	
			<i>For >200 To 500, Add</i>	0.23	
03 21 16 00-0036	LF		#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.27	
			<i>For Up To 100, Add</i>	1.64	
			<i>For >100 To 200, Add</i>	0.87	
			<i>For >200 To 500, Add</i>	0.35	
03 21 16 00-0037	LF		#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.15	
			<i>For Up To 100, Add</i>	2.32	
			<i>For >100 To 200, Add</i>	1.23	
			<i>For >200 To 500, Add</i>	0.49	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0038 LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.90	
For Up To 100, Add	0.64	
For >100 To 200, Add	0.34	
For >200 To 500, Add	0.14	
03 21 16 00-0039 LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.56	
For Up To 100, Add	1.12	
For >100 To 200, Add	0.60	
For >200 To 500, Add	0.24	
03 21 16 00-0040 LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.33	
For Up To 100, Add	1.70	
For >100 To 200, Add	0.90	
For >200 To 500, Add	0.36	
03 21 16 00-0041 LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.23	
For Up To 100, Add	2.40	
For >100 To 200, Add	1.27	
For >200 To 500, Add	0.51	
03 21 16 00-0042 LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.22	
For Up To 100, Add	2.48	
For >100 To 200, Add	1.43	
For >200 To 400, Add	0.67	
03 21 16 00-0043 LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.29	
For Up To 100, Add	3.16	
For >100 To 200, Add	1.81	
For >200 To 400, Add	0.66	
03 21 16 00-0044 LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.53	
For Up To 100, Add	3.95	
For >100 To 200, Add	2.26	
For >200 To 400, Add	1.07	
03 21 16 00-0045 LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.02	
For Up To 100, Add	3.99	
For >100 To 200, Add	2.13	
For >200 To 300, Add	1.07	
03 21 16 00-0046 LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.59	
For Up To 100, Add	4.83	
For >100 To 200, Add	2.57	
For >200 To 300, Add	1.29	
03 21 16 00-0047 LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	13.38	
For Up To 100, Add	6.83	
For >100 To 200, Add	3.62	
For >200 To 300, Add	1.81	
03 21 16 00-0048 LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	22.98	
For Up To 100, Add	11.90	
For >100 To 200, Add	6.27	
For >200 To 300, Add	3.13	
03 21 16 00-0049 LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.32	
For Up To 100, Add	2.49	
For >100 To 200, Add	1.31	
For >200 To 500, Add	0.53	
03 21 16 00-0050 LF #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.34	
For Up To 100, Add	2.57	
For >100 To 200, Add	1.48	
For >200 To 400, Add	0.70	
03 21 16 00-0051 LF #8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.44	
For Up To 100, Add	3.28	
For >100 To 200, Add	1.87	
For >200 To 400, Add	0.89	
03 21 16 00-0052 LF #9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.73	
For Up To 100, Add	4.10	
For >100 To 200, Add	2.34	
For >200 To 400, Add	1.11	
03 21 16 00-0053 LF #10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.27	
For Up To 100, Add	4.14	
For >100 To 200, Add	2.21	
For >200 To 300, Add	1.10	
03 21 16 00-0054 LF #11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.90	
For Up To 100, Add	5.02	
For >100 To 200, Add	2.66	
For >200 To 300, Add	1.33	
03 21 16 00-0055 LF #14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	13.82	
For Up To 100, Add	7.10	
For >100 To 200, Add	3.75	
For >200 To 300, Add	1.87	
03 21 16 00-0056 LF #18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	23.77	
For Up To 100, Add	12.38	
For >100 To 200, Add	6.50	
For >200 To 300, Add	3.25	
03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0058 LF #3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.76	
For Up To 100, Add	0.56	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.31	
		<i>For Up To 100, Add</i>		0.97	
		<i>For >100 To 200, Add</i>		0.52	
		<i>For >200 To 500, Add</i>		0.21	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.01	
		<i>For Up To 100, Add</i>		1.51	
		<i>For >100 To 200, Add</i>		0.80	
		<i>For >200 To 500, Add</i>		0.32	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.78	
		<i>For Up To 100, Add</i>		2.13	
		<i>For >100 To 200, Add</i>		1.12	
		<i>For >200 To 500, Add</i>		0.45	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.78	
		<i>For Up To 100, Add</i>		0.58	
		<i>For >100 To 200, Add</i>		0.31	
		<i>For >200 To 500, Add</i>		0.12	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.34	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.05	
		<i>For Up To 100, Add</i>		1.55	
		<i>For >100 To 200, Add</i>		0.82	
		<i>For >200 To 500, Add</i>		0.33	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.84	
		<i>For Up To 100, Add</i>		2.19	
		<i>For >100 To 200, Add</i>		1.15	
		<i>For >200 To 500, Add</i>		0.46	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.80	
		<i>For Up To 100, Add</i>		0.60	
		<i>For >100 To 200, Add</i>		0.32	
		<i>For >200 To 500, Add</i>		0.13	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.38	
		<i>For Up To 100, Add</i>		1.04	
		<i>For >100 To 200, Add</i>		0.55	
		<i>For >200 To 500, Add</i>		0.22	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.11	
		<i>For Up To 100, Add</i>		1.61	
		<i>For >100 To 200, Add</i>		0.85	
		<i>For >200 To 500, Add</i>		0.34	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.92	
		<i>For Up To 100, Add</i>		2.27	
		<i>For >100 To 200, Add</i>		1.19	
		<i>For >200 To 500, Add</i>		0.48	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.84	
		<i>For Up To 100, Add</i>		2.35	
		<i>For >100 To 200, Add</i>		1.34	
		<i>For >200 To 400, Add</i>		0.64	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.84	
		<i>For Up To 100, Add</i>		3.01	
		<i>For >100 To 200, Add</i>		1.70	
		<i>For >200 To 400, Add</i>		0.81	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	5.99	
		<i>For Up To 100, Add</i>		3.76	
		<i>For >100 To 200, Add</i>		2.12	
		<i>For >200 To 400, Add</i>		1.02	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	7.39	
		<i>For Up To 100, Add</i>		3.80	
		<i>For >100 To 200, Add</i>		2.01	
		<i>For >200 To 300, Add</i>		1.00	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	8.90	
		<i>For Up To 100, Add</i>		4.63	
		<i>For >100 To 200, Add</i>		2.43	
		<i>For >200 To 300, Add</i>		1.22	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	12.47	
		<i>For Up To 100, Add</i>		6.56	
		<i>For >100 To 200, Add</i>		3.43	
		<i>For >200 To 300, Add</i>		1.72	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	21.55	
		<i>For Up To 100, Add</i>		11.47	
		<i>For >100 To 200, Add</i>		5.98	
		<i>For >200 To 300, Add</i>		2.99	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.01	
		<i>For Up To 100, Add</i>		2.36	
		<i>For >100 To 200, Add</i>		1.24	
		<i>For >200 To 500, Add</i>		0.49	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.96	
		<i>For Up To 100, Add</i>		2.44	
		<i>For >100 To 200, Add</i>		1.38	
		<i>For >200 To 400, Add</i>		0.66	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.99	
		<i>For Up To 100, Add</i>		3.12	
		<i>For >100 To 200, Add</i>		1.76	
		<i>For >200 To 400, Add</i>		0.84	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	6.19	
		<i>For Up To 100, Add</i>		3.91	
		<i>For >100 To 200, Add</i>		2.20	
		<i>For >200 To 400, Add</i>		1.06	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0081 LF #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.64	
For Up To 100, Add	3.95	
For >100 To 200, Add	2.08	
For >200 To 300, Add	1.04	
03 21 16 00-0082 LF #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	9.21	
For Up To 100, Add	4.81	
For >100 To 200, Add	2.53	
For >200 To 300, Add	1.26	
03 21 16 00-0083 LF #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	12.91	
For Up To 100, Add	6.82	
For >100 To 200, Add	3.57	
For >200 To 300, Add	1.78	
03 21 16 00-0084 LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	22.34	
For Up To 100, Add	11.95	
For >100 To 200, Add	6.22	
For >200 To 300, Add	3.11	
03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0086 LF #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.74	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.12	
03 21 16 00-0087 LF #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.28	
For Up To 100, Add	0.96	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.20	
03 21 16 00-0088 LF #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.95	
For Up To 100, Add	1.49	
For >100 To 200, Add	0.78	
For >200 To 500, Add	0.31	
03 21 16 00-0089 LF #6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.71	
For Up To 100, Add	2.10	
For >100 To 200, Add	1.10	
For >200 To 500, Add	0.44	
03 21 16 00-0090 LF #3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.76	
For Up To 100, Add	0.57	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 16 00-0091 LF #4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.31	
For Up To 100, Add	0.99	
For >100 To 200, Add	0.52	
For >200 To 500, Add	0.21	
03 21 16 00-0092 LF #5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.99	
For Up To 100, Add	1.53	
For >100 To 200, Add	0.80	
For >200 To 500, Add	0.32	
03 21 16 00-0093 LF #6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.77	
For Up To 100, Add	2.16	
For >100 To 200, Add	1.13	
For >200 To 500, Add	0.45	
03 21 16 00-0094 LF #3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.78	
For Up To 100, Add	0.59	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 16 00-0095 LF #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.35	
For Up To 100, Add	1.03	
For >100 To 200, Add	0.54	
For >200 To 500, Add	0.22	
03 21 16 00-0096 LF #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.05	
For Up To 100, Add	1.59	
For >100 To 200, Add	0.83	
For >200 To 500, Add	0.33	
03 21 16 00-0097 LF #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.85	
For Up To 100, Add	2.24	
For >100 To 200, Add	1.17	
For >200 To 500, Add	0.47	
03 21 16 00-0098 LF #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.76	
For Up To 100, Add	2.32	
For >100 To 200, Add	1.32	
For >200 To 400, Add	0.63	
03 21 16 00-0099 LF #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.74	
For Up To 100, Add	2.97	
For >100 To 200, Add	1.68	
For >200 To 400, Add	0.80	
03 21 16 00-0100 LF #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.88	
For Up To 100, Add	3.73	
For >100 To 200, Add	2.10	
For >200 To 400, Add	1.01	
03 21 16 00-0101 LF #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.26	
For Up To 100, Add	3.76	
For >100 To 200, Add	1.98	
For >200 To 300, Add	0.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0102	LF		#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.77	
			For Up To 100, Add	4.59	
			For >100 To 200, Add	2.41	
			For >200 To 300, Add	1.20	
03 21 16 00-0103	LF		#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	12.28	
			For Up To 100, Add	6.50	
			For >100 To 200, Add	3.40	
			For >200 To 300, Add	1.70	
03 21 16 00-0104	LF		#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	21.27	
			For Up To 100, Add	11.39	
			For >100 To 200, Add	5.92	
			For >200 To 300, Add	2.96	
03 21 16 00-0105	LF		#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.94	
			For Up To 100, Add	2.33	
			For >100 To 200, Add	1.22	
			For >200 To 500, Add	0.49	
03 21 16 00-0106	LF		#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.88	
			For Up To 100, Add	2.41	
			For >100 To 200, Add	1.36	
			For >200 To 400, Add	0.65	
03 21 16 00-0107	LF		#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.89	
			For Up To 100, Add	3.08	
			For >100 To 200, Add	1.74	
			For >200 To 400, Add	0.83	
03 21 16 00-0108	LF		#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.08	
			For Up To 100, Add	3.88	
			For >100 To 200, Add	2.18	
			For >200 To 400, Add	1.05	
03 21 16 00-0109	LF		#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.51	
			For Up To 100, Add	3.91	
			For >100 To 200, Add	2.06	
			For >200 To 300, Add	1.03	
03 21 16 00-0110	LF		#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	9.08	
			For Up To 100, Add	4.77	
			For >100 To 200, Add	2.50	
			For >200 To 300, Add	1.25	
03 21 16 00-0111	LF		#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	12.72	
			For Up To 100, Add	6.77	
			For >100 To 200, Add	3.53	
			For >200 To 300, Add	1.76	
03 21 16 00-0112	LF		#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	22.06	
			For Up To 100, Add	11.86	
			For >100 To 200, Add	6.16	
			For >200 To 300, Add	3.08	
03 21 16 00-0113			Elevated Slabs, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>		
			Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0114	LF		#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.70	
			For Up To 100, Add	0.53	
			For >100 To 200, Add	0.28	
			For >200 To 500, Add	0.11	
03 21 16 00-0115	LF		#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.21	
			For Up To 100, Add	0.93	
			For >100 To 200, Add	0.49	
			For >200 To 500, Add	0.20	
03 21 16 00-0116	LF		#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.85	
			For Up To 100, Add	1.45	
			For >100 To 200, Add	0.76	
			For >200 To 500, Add	0.30	
03 21 16 00-0117	LF		#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.59	
			For Up To 100, Add	2.06	
			For >100 To 200, Add	1.07	
			For >200 To 500, Add	0.43	
03 21 16 00-0118	LF		#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.72	
			For Up To 100, Add	0.55	
			For >100 To 200, Add	0.29	
			For >200 To 500, Add	0.12	
03 21 16 00-0119	LF		#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.24	
			For Up To 100, Add	0.96	
			For >100 To 200, Add	0.51	
			For >200 To 500, Add	0.20	
03 21 16 00-0120	LF		#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.89	
			For Up To 100, Add	1.49	
			For >100 To 200, Add	0.78	
			For >200 To 500, Add	0.31	
03 21 16 00-0121	LF		#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.65	
			For Up To 100, Add	2.12	
			For >100 To 200, Add	1.10	
			For >200 To 500, Add	0.44	
03 21 16 00-0122	LF		#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.74	
			For Up To 100, Add	0.57	
			For >100 To 200, Add	0.30	
			For >200 To 500, Add	0.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0123	LF	#4,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.28	
				<i>For Up To 100, Add</i>	1.00	
				<i>For >100 To 200, Add</i>	0.53	
				<i>For >200 To 500, Add</i>	0.21	
03 21 16 00-0124	LF	#5,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.95	
				<i>For Up To 100, Add</i>	1.55	
				<i>For >100 To 200, Add</i>	0.81	
				<i>For >200 To 500, Add</i>	0.32	
03 21 16 00-0125	LF	#6,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.73	
				<i>For Up To 100, Add</i>	2.20	
				<i>For >100 To 200, Add</i>	1.14	
				<i>For >200 To 500, Add</i>	0.46	
03 21 16 00-0126	LF	#7,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.61	
				<i>For Up To 100, Add</i>	2.27	
				<i>For >100 To 200, Add</i>	1.28	
				<i>For >200 To 400, Add</i>	0.61	
03 21 16 00-0127	LF	#8,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.55	
				<i>For Up To 100, Add</i>	2.90	
				<i>For >100 To 200, Add</i>	1.63	
				<i>For >200 To 400, Add</i>	0.78	
03 21 16 00-0128	LF	#9,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.67	
				<i>For Up To 100, Add</i>	3.65	
				<i>For >100 To 200, Add</i>	2.04	
				<i>For >200 To 400, Add</i>	0.98	
03 21 16 00-0129	LF	#10,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.02	
				<i>For Up To 100, Add</i>	3.69	
				<i>For >100 To 200, Add</i>	1.93	
				<i>For >200 To 300, Add</i>	0.97	
03 21 16 00-0130	LF	#11,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.47	
				<i>For Up To 100, Add</i>	4.50	
				<i>For >100 To 200, Add</i>	2.35	
				<i>For >200 To 300, Add</i>	1.17	
03 21 16 00-0131	LF	#14,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.93	
				<i>For Up To 100, Add</i>	6.40	
				<i>For >100 To 200, Add</i>	3.33	
				<i>For >200 To 300, Add</i>	1.66	
03 21 16 00-0132	LF	#18,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	20.70	
				<i>For Up To 100, Add</i>	11.22	
				<i>For >100 To 200, Add</i>	5.81	
				<i>For >200 To 300, Add</i>	2.90	
03 21 16 00-0133	LF	#6,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.82	
				<i>For Up To 100, Add</i>	2.29	
				<i>For >100 To 200, Add</i>	1.19	
				<i>For >200 To 500, Add</i>	0.48	
03 21 16 00-0134	LF	#7,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.73	
				<i>For Up To 100, Add</i>	2.36	
				<i>For >100 To 200, Add</i>	1.33	
				<i>For >200 To 400, Add</i>	0.64	
03 21 16 00-0135	LF	#8,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.70	
				<i>For Up To 100, Add</i>	3.02	
				<i>For >100 To 200, Add</i>	1.69	
				<i>For >200 To 400, Add</i>	0.81	
03 21 16 00-0136	LF	#9,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.87	
				<i>For Up To 100, Add</i>	3.80	
				<i>For >100 To 200, Add</i>	2.12	
				<i>For >200 To 400, Add</i>	1.02	
03 21 16 00-0137	LF	#10,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.27	
				<i>For Up To 100, Add</i>	3.84	
				<i>For >100 To 200, Add</i>	2.01	
				<i>For >200 To 300, Add</i>	1.00	
03 21 16 00-0138	LF	#11,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.78	
				<i>For Up To 100, Add</i>	4.68	
				<i>For >100 To 200, Add</i>	2.44	
				<i>For >200 To 300, Add</i>	1.22	
03 21 16 00-0139	LF	#14,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	12.37	
				<i>For Up To 100, Add</i>	6.66	
				<i>For >100 To 200, Add</i>	3.46	
				<i>For >200 To 300, Add</i>	1.73	
03 21 16 00-0140	LF	#18,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	21.49	
				<i>For Up To 100, Add</i>	11.69	
				<i>For >100 To 200, Add</i>	6.05	
				<i>For >200 To 300, Add</i>	3.02	
03 21 16 00-0141	Walls, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>					
	Note: ASTM A-775 Epoxy Coated Steel.					
03 21 16 00-0142	LF	#3,		Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.68	
				<i>For Up To 100, Add</i>	0.52	
				<i>For >100 To 200, Add</i>	0.28	
				<i>For >200 To 500, Add</i>	0.11	
03 21 16 00-0143	LF	#4,		Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.18	
				<i>For Up To 100, Add</i>	0.92	
				<i>For >100 To 200, Add</i>	0.48	
				<i>For >200 To 500, Add</i>	0.19	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.80	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 200, Add</i>	0.75	
			<i>For >200 To 500, Add</i>	0.30	
03 21	16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.53	
			<i>For Up To 100, Add</i>	2.03	
			<i>For >100 To 200, Add</i>	1.06	
			<i>For >200 To 500, Add</i>	0.42	
03 21	16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.70	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 200, Add</i>	0.29	
			<i>For >200 To 500, Add</i>	0.11	
03 21	16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.21	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 200, Add</i>	0.50	
			<i>For >200 To 500, Add</i>	0.20	
03 21	16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.84	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 200, Add</i>	0.77	
			<i>For >200 To 500, Add</i>	0.31	
03 21	16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.59	
			<i>For Up To 100, Add</i>	2.09	
			<i>For >100 To 200, Add</i>	1.09	
			<i>For >200 To 500, Add</i>	0.44	
03 21	16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.72	
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 200, Add</i>	0.30	
			<i>For >200 To 500, Add</i>	0.12	
03 21	16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.25	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 200, Add</i>	0.52	
			<i>For >200 To 500, Add</i>	0.21	
03 21	16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.90	
			<i>For Up To 100, Add</i>	1.53	
			<i>For >100 To 200, Add</i>	0.80	
			<i>For >200 To 500, Add</i>	0.32	
03 21	16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.67	
			<i>For Up To 100, Add</i>	2.17	
			<i>For >100 To 200, Add</i>	1.13	
			<i>For >200 To 500, Add</i>	0.45	
03 21	16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.52	
			<i>For Up To 100, Add</i>	2.24	
			<i>For >100 To 200, Add</i>	1.26	
			<i>For >200 To 400, Add</i>	0.60	
03 21	16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.47	
			<i>For Up To 100, Add</i>	2.88	
			<i>For >100 To 200, Add</i>	1.61	
			<i>For >200 To 400, Add</i>	0.78	
03 21	16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.57	
			<i>For Up To 100, Add</i>	3.62	
			<i>For >100 To 200, Add</i>	2.02	
			<i>For >200 To 400, Add</i>	0.97	
03 21	16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.90	
			<i>For Up To 100, Add</i>	3.65	
			<i>For >100 To 200, Add</i>	1.91	
			<i>For >200 To 300, Add</i>	0.95	
03 21	16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.34	
			<i>For Up To 100, Add</i>	4.46	
			<i>For >100 To 200, Add</i>	2.32	
			<i>For >200 To 300, Add</i>	1.16	
03 21	16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	11.75	
			<i>For Up To 100, Add</i>	6.34	
			<i>For >100 To 200, Add</i>	3.29	
			<i>For >200 To 300, Add</i>	1.64	
03 21	16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	20.42	
			<i>For Up To 100, Add</i>	11.13	
			<i>For >100 To 200, Add</i>	5.75	
			<i>For >200 To 300, Add</i>	2.88	
03 21	16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.76	
			<i>For Up To 100, Add</i>	2.26	
			<i>For >100 To 200, Add</i>	1.17	
			<i>For >200 To 500, Add</i>	0.47	
03 21	16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.64	
			<i>For Up To 100, Add</i>	2.33	
			<i>For >100 To 200, Add</i>	1.30	
			<i>For >200 To 400, Add</i>	0.63	
03 21	16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.62	
			<i>For Up To 100, Add</i>	2.99	
			<i>For >100 To 200, Add</i>	1.67	
			<i>For >200 To 400, Add</i>	0.81	
03 21	16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.77	
			<i>For Up To 100, Add</i>	3.77	
			<i>For >100 To 200, Add</i>	2.10	
			<i>For >200 To 400, Add</i>	1.01	



Concrete	03	03
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0165	LF		#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.15	
			<i>For Up To 100, Add</i>	3.80	
			<i>For >100 To 200, Add</i>	1.98	
			<i>For >200 To 300, Add</i>	0.99	
03 21 16 00-0166	LF		#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.65	
			<i>For Up To 100, Add</i>	4.64	
			<i>For >100 To 200, Add</i>	2.41	
			<i>For >200 To 300, Add</i>	1.21	
03 21 16 00-0167	LF		#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	12.19	
			<i>For Up To 100, Add</i>	6.61	
			<i>For >100 To 200, Add</i>	3.42	
			<i>For >200 To 300, Add</i>	1.71	
03 21 16 00-0168	LF		#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	21.21	
			<i>For Up To 100, Add</i>	11.61	
			<i>For >100 To 200, Add</i>	5.99	
			<i>For >200 To 300, Add</i>	3.00	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA		3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.18	
			<i>For Up To 12" Length, Deduct</i>	-0.49	
			<i>For >12" To <24" Length, Deduct</i>	-0.24	
03 21 16 00-0171	EA		1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.05	
			<i>For Up To 12" Length, Deduct</i>	-0.74	
			<i>For >12" To <24" Length, Deduct</i>	-0.37	
03 21 16 00-0172	EA		5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.47	
			<i>For Up To 12" Length, Deduct</i>	-1.10	
			<i>For >12" To <24" Length, Deduct</i>	-0.55	
03 21 16 00-0173	EA		3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	9.26	
			<i>For Up To 12" Length, Deduct</i>	-1.46	
			<i>For >12" To <24" Length, Deduct</i>	-0.73	
03 21 16 00-0174	EA		7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	11.10	
			<i>For Up To 12" Length, Deduct</i>	-1.99	
			<i>For >12" To <24" Length, Deduct</i>	-0.99	
03 21 16 00-0175	EA		1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	12.88	
			<i>For Up To 12" Length, Deduct</i>	-2.45	
			<i>For >12" To <24" Length, Deduct</i>	-1.22	
03 21 16 00-0176	EA		1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	15.19	
			<i>For Up To 12" Length, Deduct</i>	-2.96	
			<i>For >12" To <24" Length, Deduct</i>	-1.48	
03 21 16 00-0177	EA		1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	18.28	
			<i>For Up To 12" Length, Deduct</i>	-3.59	
			<i>For >12" To <24" Length, Deduct</i>	-1.79	

03 22 Fabric and Grid Reinforcing (03 22)

03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.90	
			<i>For >5 Ton, Deduct</i>	-0.13	
03 22 11 00-0003	SF		6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.03	
			<i>For >5 Ton, Deduct</i>	-0.15	
03 22 11 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.19	
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 11 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.43	
			<i>For >5 Ton, Deduct</i>	-0.20	
03 22 11 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.09	
			<i>For >5 Ton, Deduct</i>	-0.16	
03 22 11 00-0007	SF		4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.24	
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 11 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.61	
			<i>For >5 Ton, Deduct</i>	-0.21	
03 22 11 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.91	
			<i>For >5 Ton, Deduct</i>	-0.25	
03 22 11 00-0010	SF		2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.80	
			<i>For >5 Ton, Deduct</i>	-0.23	

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.03	
			<i>For >5 Ton, Deduct</i>	-0.15	
03 22 13 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.18	
			<i>For >5 Ton, Deduct</i>	-0.16	
03 22 13 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.38	
			<i>For >5 Ton, Deduct</i>	-0.19	
03 22 13 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.70	
			<i>For >5 Ton, Deduct</i>	-0.22	

03	Concrete
03 20	Concrete Reinforcing
03 22	Fabric and Grid Reinforcing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 13 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.26	
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 13 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.46	
			<i>For >5 Ton, Deduct</i>	-0.20	
03 22 13 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.95	
			<i>For >5 Ton, Deduct</i>	-0.25	
03 22 13 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.33	
			<i>For >5 Ton, Deduct</i>	-0.29	
03 22 13 00-0010			Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns ^(03 22 13)		
			Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0011	SF		2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	3.46	
			<i>For >5 Ton, Deduct</i>	-0.53	
03 22 16			Epoxy-Coated Welded Wire Fabric Reinforcing ^(03 22)		
03 22 16 00-0001			Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 16)		
			Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.01	
			<i>For >5 Ton, Deduct</i>	-0.14	
03 22 16 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.16	
			<i>For >5 Ton, Deduct</i>	-0.16	
03 22 16 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.36	
			<i>For >5 Ton, Deduct</i>	-0.19	
03 22 16 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.66	
			<i>For >5 Ton, Deduct</i>	-0.22	
03 22 16 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.24	
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 16 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.43	
			<i>For >5 Ton, Deduct</i>	-0.19	
03 22 16 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.91	
			<i>For >5 Ton, Deduct</i>	-0.24	
03 22 16 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.28	
			<i>For >5 Ton, Deduct</i>	-0.29	
03 22 23			Stainless Steel Welded Wire Fabric Reinforcing ^(03 22)		
			Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.		
03 22 23 00-0001			Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 23)		
03 22 23 00-0002	SF		6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.82	
03 22 23 00-0003	SF		4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.35	
03 30			Cast-In-Place Concrete ⁽⁰³⁾		
			See CSI section 01 74 19 00-0039 for hauling over 15 miles.		
03 30 53			Miscellaneous Cast-in-Place Concrete ^(03 30)		
03 30 53 00-0001			Place Concrete Duct Bank ^(03 30 53)		
03 30 53 00-0002	CY		Direct Chute, Place 3,000 PSI Concrete Duct Bank	200.30	
			<i>For 2,000 PSI Concrete, Deduct</i>	-8.90	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.45	
			<i>For 3,500 PSI Concrete, Add</i>	8.24	
			<i>For 3,750 PSI Concrete, Add</i>	11.21	
			<i>For 4,000 PSI Concrete, Add</i>	14.18	
			<i>For 4,500 PSI Concrete, Add</i>	16.48	
			<i>For 5,000 PSI Concrete, Add</i>	18.79	
			<i>For 6,000 PSI Concrete, Add</i>	44.50	
			<i>For White Cement Concrete, Add</i>	19.78	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.43	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.48	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.69	
			<i>For Up To 20, Add</i>	14.19	
			<i>For >20 To 50, Add</i>	5.32	
			<i>For >100 To 200, Deduct</i>	-4.01	
			<i>For >200 To 400, Deduct</i>	-8.01	
			<i>For >400, Deduct</i>	-12.02	
03 30 53 00-0003			Place Concrete Thrust Blocks And Backfill ^(03 30 53)		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Miscellaneous Cast-in-Place Concrete	03 30 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0004 CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	244.93	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.51	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	32.04	
For >20 To 50, Add	12.01	
For >100 To 200, Deduct	-4.90	
For >200 To 400, Deduct	-9.80	
For >400, Deduct	-14.70	
03 30 53 00-0005 Place Concrete Slurry (03 30 53)		
03 30 53 00-0006 CY Direct Chute, Place Two Sack Cement, Concrete Slurry.....	186.64	
Note: Two 94# sack cement per CY.		
03 30 53 00-0007 CY Concrete Pump, Place Two Sack Cement, Concrete Slurry.....	179.56	
Note: Two 94# sack cement per CY. Excludes pumping equipment.		
03 30 53 00-0008 Hand Mix And Place Concrete (03 30 53)		
03 30 53 00-0009 CF Hand Mix And Place 3,000 PSI Concrete.....	19.97	
Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.		
For Up To 25 CF, Add	2.35	
For 2,000 PSI Concrete, Deduct	-0.38	
For 2,500 PSI Concrete, Deduct	-0.19	
For 3,500 PSI Concrete, Add	0.35	
For 3,750 PSI Concrete, Add	0.48	
For 4,000 PSI Concrete, Add	0.61	
For 4,500 PSI Concrete, Add	0.71	
For 5,000 PSI Concrete, Add	0.80	
For 6,000 PSI Concrete, Add	1.90	
For White Cement Concrete, Add	0.85	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.92	
For High Early Strength, Type 3 ASTM C150, Add	0.71	
For Lightweight Aggregate, ASTM C330, Add	2.47	
03 31 Structural Concrete (03 30)		
03 31 13 Heavyweight Structural Concrete (03 31)		
Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.		
03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)		
03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)		
Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0003 SF 4" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	8.06	
For 2,000 PSI Concrete, Deduct	-0.22	
For 2,500 PSI Concrete, Deduct	-0.11	
For 3,500 PSI Concrete, Add	0.08	
For 4,000 PSI Concrete, Add	0.25	
For 4,500 PSI Concrete, Add	0.32	
For 5,000 PSI Concrete, Add	0.36	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.45	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.66	
For Up To 500, Add	3.24	
For >500 To 1,000, Add	2.22	
For >1,000 To 2,000, Add	1.21	
For >2,000 To 5,000, Add	0.61	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000 To 35,000, Deduct	-0.40	
For >35,000 To 50,000, Deduct	-0.60	
For >50,000 To 70,000, Deduct	-0.80	
For >70,000, Deduct	-1.01	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 31 13 00-0004	SF 5" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	8.79	
	For 2,000 PSI Concrete, Deduct	-0.25	
	For 2,500 PSI Concrete, Deduct	-0.12	
	For 3,500 PSI Concrete, Add	0.09	
	For 4,000 PSI Concrete, Add	0.29	
	For 4,500 PSI Concrete, Add	0.36	
	For 5,000 PSI Concrete, Add	0.41	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.45	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.66	
	For Up To 500, Add	3.45	
	For >500 To 1,000, Add	2.38	
	For >1,000 To 2,000, Add	1.30	
	For >2,000 To 5,000, Add	0.65	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000 To 35,000, Deduct	-0.45	
	For >35,000 To 50,000, Deduct	-0.67	
	For >50,000 To 70,000, Deduct	-0.89	
	For >70,000, Deduct	-1.11	
03 31 13 00-0005	SF 6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	9.83	
	For 2,000 PSI Concrete, Deduct	-0.29	
	For 2,500 PSI Concrete, Deduct	-0.14	
	For 3,500 PSI Concrete, Add	0.10	
	For 4,000 PSI Concrete, Add	0.33	
	For 4,500 PSI Concrete, Add	0.42	
	For 5,000 PSI Concrete, Add	0.48	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.45	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.66	
	For Up To 500, Add	3.77	
	For >500 To 1,000, Add	2.60	
	For >1,000 To 2,000, Add	1.44	
	For >2,000 To 5,000, Add	0.72	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000 To 35,000, Deduct	-0.51	
	For >35,000 To 50,000, Deduct	-0.76	
	For >50,000 To 70,000, Deduct	-1.00	
	For >70,000, Deduct	-1.25	
03 31 13 00-0006	SF 7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.82	
	For 2,000 PSI Concrete, Deduct	-0.33	
	For 2,500 PSI Concrete, Deduct	-0.16	
	For 3,500 PSI Concrete, Add	0.12	
	For 4,000 PSI Concrete, Add	0.38	
	For 4,500 PSI Concrete, Add	0.48	
	For 5,000 PSI Concrete, Add	0.56	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.45	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.66	
	For Up To 500, Add	4.05	
	For >500 To 1,000, Add	2.80	
	For >1,000 To 2,000, Add	1.55	
	For >2,000 To 5,000, Add	0.78	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000 To 35,000, Deduct	-0.58	
	For >35,000 To 50,000, Deduct	-0.85	
	For >50,000 To 70,000, Deduct	-1.12	
	For >70,000, Deduct	-1.39	
03 31 13 00-0007	SF 8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.67	
	For 2,000 PSI Concrete, Deduct	-0.37	
	For 2,500 PSI Concrete, Deduct	-0.18	
	For 3,500 PSI Concrete, Add	0.13	
	For 4,000 PSI Concrete, Add	0.43	
	For 4,500 PSI Concrete, Add	0.53	
	For 5,000 PSI Concrete, Add	0.62	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.45	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.66	
	For Up To 500, Add	4.29	
	For >500 To 1,000, Add	2.98	
	For >1,000 To 2,000, Add	1.66	
	For >2,000 To 5,000, Add	0.83	
	For >10,000 To 20,000, Deduct	-0.34	
	For >20,000 To 35,000, Deduct	-0.63	
	For >35,000 To 50,000, Deduct	-0.92	
	For >50,000 To 70,000, Deduct	-1.21	
	For >70,000, Deduct	-1.51	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0008 SF 10" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	13.83	
For 2,000 PSI Concrete, Deduct	-0.46	
For 2,500 PSI Concrete, Deduct	-0.23	
For 3,500 PSI Concrete, Add	0.16	
For 4,000 PSI Concrete, Add	0.54	
For 4,500 PSI Concrete, Add	0.68	
For 5,000 PSI Concrete, Add	0.78	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.45	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.66	
For Up To 500, Add	4.88	
For >500 To 1,000, Add	3.39	
For >1,000 To 2,000, Add	1.91	
For >2,000 To 5,000, Add	0.96	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000 To 35,000, Deduct	-0.77	
For >35,000 To 50,000, Deduct	-1.12	
For >50,000 To 70,000, Deduct	-1.46	
For >70,000, Deduct	-1.81	
03 31 13 00-0009 SF 12" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	15.50	
For 2,000 PSI Concrete, Deduct	-0.53	
For 2,500 PSI Concrete, Deduct	-0.27	
For 3,500 PSI Concrete, Add	0.19	
For 4,000 PSI Concrete, Add	0.62	
For 4,500 PSI Concrete, Add	0.78	
For 5,000 PSI Concrete, Add	0.90	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.45	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.66	
For Up To 500, Add	5.36	
For >500 To 1,000, Add	3.74	
For >1,000 To 2,000, Add	2.12	
For >2,000 To 5,000, Add	1.06	
For >10,000 To 20,000, Deduct	-0.49	
For >20,000 To 35,000, Deduct	-0.88	
For >35,000 To 50,000, Deduct	-1.27	
For >50,000 To 70,000, Deduct	-1.66	
For >70,000, Deduct	-2.04	
03 31 13 00-0010 Concrete Delivery And Placement <small>(03 31 13)</small>		
Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.		
03 31 13 00-0011 Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0012 Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	297.17	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.51	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	52.93	
For >20 To 50, Add	19.85	
For >100 To 200, Deduct	-5.94	
For >200 To 400, Deduct	-11.89	
For >400, Deduct	-17.83	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	223.73	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.51	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	23.56	
For >20 To 50, Add	8.83	
For >100 To 200, Deduct	-4.47	
For >200 To 400, Deduct	-8.95	
For >400, Deduct	-13.42	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	234.66	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	22.44	
For >20 To 50, Add	8.41	
For >100 To 200, Deduct	-4.69	
For >200 To 400, Deduct	-9.39	
For >400, Deduct	-14.08	
03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	282.46	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.51	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	47.05	
For >20 To 50, Add	17.64	
For >100 To 200, Deduct	-5.65	
For >200 To 400, Deduct	-11.30	
For >400, Deduct	-16.95	
03 31 13 00-0018 CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	217.18	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	20.94	
For >20 To 50, Add	7.85	
For >100 To 200, Deduct	-4.34	
For >200 To 400, Deduct	-8.69	
For >400, Deduct	-13.03	
03 31 13 00-0019 CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	228.42	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	19.94	
For >20 To 50, Add	7.48	
For >100 To 200, Deduct	-4.57	
For >200 To 400, Deduct	-9.14	
For >400, Deduct	-13.71	
03 31 13 00-0020 Place Concrete Spread Footings (03 31 13 00-0011)		



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0021 CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	363.32	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	79.40	
For >20 To 50, Add	29.77	
For >100 To 200, Deduct	-7.27	
For >200 To 400, Deduct	-14.53	
For >400, Deduct	-21.80	
03 31 13 00-0022 CY Direct Chute, Place 3,000 PSI Concrete Spread Footings	253.17	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	35.34	
For >20 To 50, Add	13.25	
For >100 To 200, Deduct	-5.06	
For >200 To 400, Deduct	-10.13	
For >400, Deduct	-15.19	
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings	262.71	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	33.66	
For >20 To 50, Add	12.62	
For >100 To 200, Deduct	-5.25	
For >200 To 400, Deduct	-10.51	
For >400, Deduct	-15.76	
03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	200.12	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	14.12	
For >20 To 50, Add	5.29	
For >100 To 200, Deduct	-4.00	
For >200 To 400, Deduct	-8.00	
For >400, Deduct	-12.01	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	180.53	
			<i>For 2,000 PSI Concrete, Deduct</i>	-8.90	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.45	
			<i>For 3,500 PSI Concrete, Add</i>	8.24	
			<i>For 3,750 PSI Concrete, Add</i>	11.21	
			<i>For 4,000 PSI Concrete, Add</i>	14.18	
			<i>For 4,500 PSI Concrete, Add</i>	16.48	
			<i>For 5,000 PSI Concrete, Add</i>	18.79	
			<i>For 6,000 PSI Concrete, Add</i>	44.50	
			<i>For White Cement Concrete, Add</i>	19.78	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.43	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.48	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.69	
			<i>For Up To 20, Add</i>	6.28	
			<i>For >20 To 50, Add</i>	2.36	
			<i>For >100 To 200, Deduct</i>	-3.61	
			<i>For >200 To 400, Deduct</i>	-7.22	
			<i>For >400, Deduct</i>	-10.83	
03 31	13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	191.65	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-9.64	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.82	
			<i>For 3,500 PSI Concrete, Add</i>	8.93	
			<i>For 3,750 PSI Concrete, Add</i>	12.14	
			<i>For 4,000 PSI Concrete, Add</i>	15.36	
			<i>For 4,500 PSI Concrete, Add</i>	17.86	
			<i>For 5,000 PSI Concrete, Add</i>	20.36	
			<i>For 6,000 PSI Concrete, Add</i>	48.21	
			<i>For White Cement Concrete, Add</i>	21.43	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.21	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	17.86	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	62.50	
			<i>For Up To 20, Add</i>	5.23	
			<i>For >20 To 50, Add</i>	1.96	
			<i>For >100 To 200, Deduct</i>	-3.83	
			<i>For >200 To 400, Deduct</i>	-7.67	
			<i>For >400, Deduct</i>	-11.50	
03 31	13 00-0028		Place Concrete Grade Beams <small>(03 31 13 00-0011)</small>	258.94	
03 31	13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	258.94	
			<i>For 2,000 PSI Concrete, Deduct</i>	-8.90	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.45	
			<i>For 3,500 PSI Concrete, Add</i>	8.24	
			<i>For 3,750 PSI Concrete, Add</i>	11.21	
			<i>For 4,000 PSI Concrete, Add</i>	14.18	
			<i>For 4,500 PSI Concrete, Add</i>	16.48	
			<i>For 5,000 PSI Concrete, Add</i>	18.79	
			<i>For 6,000 PSI Concrete, Add</i>	44.51	
			<i>For White Cement Concrete, Add</i>	19.78	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.43	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.48	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.69	
			<i>For Up To 20, Add</i>	37.64	
			<i>For >20 To 50, Add</i>	14.12	
			<i>For >100 To 200, Deduct</i>	-5.18	
			<i>For >200 To 400, Deduct</i>	-10.36	
			<i>For >400, Deduct</i>	-15.54	
03 31	13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	206.70	
			<i>For 2,000 PSI Concrete, Deduct</i>	-8.90	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.45	
			<i>For 3,500 PSI Concrete, Add</i>	8.24	
			<i>For 3,750 PSI Concrete, Add</i>	11.21	
			<i>For 4,000 PSI Concrete, Add</i>	14.18	
			<i>For 4,500 PSI Concrete, Add</i>	16.48	
			<i>For 5,000 PSI Concrete, Add</i>	18.79	
			<i>For 6,000 PSI Concrete, Add</i>	44.50	
			<i>For White Cement Concrete, Add</i>	19.78	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.43	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.48	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.69	
			<i>For Up To 20, Add</i>	16.75	
			<i>For >20 To 50, Add</i>	6.28	
			<i>For >100 To 200, Deduct</i>	-4.13	
			<i>For >200 To 400, Deduct</i>	-8.27	
			<i>For >400, Deduct</i>	-12.40	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0031 CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	218.46	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	15.96	
For >20 To 50, Add	5.98	
For >100 To 200, Deduct	-4.37	
For >200 To 400, Deduct	-8.74	
For >400, Deduct	-13.11	
03 31 13 00-0032 Place Concrete Slab On Grade (03 31 13 00-0011)		
03 31 13 00-0033 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	261.14	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	38.52	
For >20 To 50, Add	14.45	
For >100 To 200, Deduct	-5.22	
For >200 To 400, Deduct	-10.45	
For >400, Deduct	-15.67	
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	237.91	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	29.23	
For >20 To 50, Add	10.96	
For >100 To 200, Deduct	-4.76	
For >200 To 400, Deduct	-9.52	
For >400, Deduct	-14.27	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	207.70	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	17.15	
For >20 To 50, Add	6.43	
For >100 To 200, Deduct	-4.15	
For >200 To 400, Deduct	-8.31	
For >400, Deduct	-12.46	



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 31 13 00-0036	CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	197.35	
	For 2,000 PSI Concrete, Deduct	-8.90	
	For 2,500 PSI Concrete, Deduct	-4.45	
	For 3,500 PSI Concrete, Add	8.24	
	For 3,750 PSI Concrete, Add	11.21	
	For 4,000 PSI Concrete, Add	14.18	
	For 4,500 PSI Concrete, Add	16.48	
	For 5,000 PSI Concrete, Add	18.79	
	For 6,000 PSI Concrete, Add	44.50	
	For White Cement Concrete, Add	19.78	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
	For High Early Strength, Type 3 ASTM C150, Add	16.48	
	For Lightweight Aggregate, ASTM C330, Add	57.69	
	For Up To 20, Add	13.01	
	For >20 To 50, Add	4.88	
	For >100 To 200, Deduct	-3.95	
	For >200 To 400, Deduct	-7.89	
	For >400, Deduct	-11.84	
03 31 13 00-0037	CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	214.29	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-9.64	
	For 2,500 PSI Concrete, Deduct	-4.82	
	For 3,500 PSI Concrete, Add	8.93	
	For 3,750 PSI Concrete, Add	12.14	
	For 4,000 PSI Concrete, Add	15.36	
	For 4,500 PSI Concrete, Add	17.86	
	For 5,000 PSI Concrete, Add	20.36	
	For 6,000 PSI Concrete, Add	48.21	
	For White Cement Concrete, Add	21.43	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
	For High Early Strength, Type 3 ASTM C150, Add	17.86	
	For Lightweight Aggregate, ASTM C330, Add	62.50	
	For Up To 20, Add	14.29	
	For >20 To 50, Add	5.36	
	For >100 To 200, Deduct	-4.29	
	For >200 To 400, Deduct	-8.57	
	For >400, Deduct	-12.86	
03 31 13 00-0038	CY >6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	205.67	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-9.64	
	For 2,500 PSI Concrete, Deduct	-4.82	
	For 3,500 PSI Concrete, Add	8.93	
	For 3,750 PSI Concrete, Add	12.14	
	For 4,000 PSI Concrete, Add	15.36	
	For 4,500 PSI Concrete, Add	17.86	
	For 5,000 PSI Concrete, Add	20.36	
	For 6,000 PSI Concrete, Add	48.21	
	For White Cement Concrete, Add	21.43	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
	For High Early Strength, Type 3 ASTM C150, Add	17.86	
	For Lightweight Aggregate, ASTM C330, Add	62.50	
	For Up To 20, Add	10.84	
	For >20 To 50, Add	4.07	
	For >100 To 200, Deduct	-4.11	
	For >200 To 400, Deduct	-8.23	
	For >400, Deduct	-12.34	
03 31 13 00-0039	Place Concrete Stairs <small>(03 31 13 00-0011)</small>	598.16	
03 31 13 00-0040	CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	598.16	
	For 2,000 PSI Concrete, Deduct	-8.90	
	For 2,500 PSI Concrete, Deduct	-4.45	
	For 3,500 PSI Concrete, Add	8.24	
	For 3,750 PSI Concrete, Add	11.21	
	For 4,000 PSI Concrete, Add	14.18	
	For 4,500 PSI Concrete, Add	16.48	
	For 5,000 PSI Concrete, Add	18.79	
	For 6,000 PSI Concrete, Add	44.51	
	For White Cement Concrete, Add	19.78	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
	For High Early Strength, Type 3 ASTM C150, Add	16.48	
	For Lightweight Aggregate, ASTM C330, Add	57.69	
	For Up To 20, Add	173.33	
	For >20 To 50, Add	65.00	
	For >100 To 200, Deduct	-11.96	
	For >200 To 400, Deduct	-23.93	
	For >400, Deduct	-35.89	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0041 CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	357.71	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	77.15	
For >20 To 50, Add	28.93	
For >100 To 200, Deduct	-7.15	
For >200 To 400, Deduct	-14.31	
For >400, Deduct	-21.46	
03 31 13 00-0042 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	339.32	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	64.30	
For >20 To 50, Add	24.11	
For >100 To 200, Deduct	-6.79	
For >200 To 400, Deduct	-13.57	
For >400, Deduct	-20.36	
03 31 13 00-0043 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0044 Place Elevated Concrete Beams (03 31 13 00-0043)		
03 31 13 00-0045 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	400.08	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	94.10	
For >20 To 50, Add	35.29	
For >100 To 200, Deduct	-8.00	
For >200 To 400, Deduct	-16.00	
For >400, Deduct	-24.00	
03 31 13 00-0046 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	278.29	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	39.89	
For >20 To 50, Add	14.96	
For >100 To 200, Deduct	-5.57	
For >200 To 400, Deduct	-11.13	
For >400, Deduct	-16.70	
03 31 13 00-0047 Place Elevated Concrete Slab (03 31 13 00-0043)		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	275.59	
			For 2,000 PSI Concrete, Deduct	-8.90	
			For 2,500 PSI Concrete, Deduct	-4.45	
			For 3,500 PSI Concrete, Add	8.24	
			For 3,750 PSI Concrete, Add	11.21	
			For 4,000 PSI Concrete, Add	14.18	
			For 4,500 PSI Concrete, Add	16.48	
			For 5,000 PSI Concrete, Add	18.79	
			For 6,000 PSI Concrete, Add	44.50	
			For White Cement Concrete, Add	19.78	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
			For High Early Strength, Type 3 ASTM C150, Add	16.48	
			For Lightweight Aggregate, ASTM C330, Add	57.69	
			For Up To 20, Add	44.30	
			For >20 To 50, Add	16.61	
			For >100 To 200, Deduct	-5.51	
			For >200 To 400, Deduct	-11.02	
			For >400, Deduct	-16.54	
03 31	13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	248.86	
			For 2,000 PSI Concrete, Deduct	-8.90	
			For 2,500 PSI Concrete, Deduct	-4.45	
			For 3,500 PSI Concrete, Add	8.24	
			For 3,750 PSI Concrete, Add	11.21	
			For 4,000 PSI Concrete, Add	14.18	
			For 4,500 PSI Concrete, Add	16.48	
			For 5,000 PSI Concrete, Add	18.79	
			For 6,000 PSI Concrete, Add	44.50	
			For White Cement Concrete, Add	19.78	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
			For High Early Strength, Type 3 ASTM C150, Add	16.48	
			For Lightweight Aggregate, ASTM C330, Add	57.69	
			For Up To 20, Add	33.61	
			For >20 To 50, Add	12.60	
			For >100 To 200, Deduct	-4.98	
			For >200 To 400, Deduct	-9.95	
			For >400, Deduct	-14.93	
03 31	13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	225.52	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.64	
			For 2,500 PSI Concrete, Deduct	-4.82	
			For 3,500 PSI Concrete, Add	8.93	
			For 3,750 PSI Concrete, Add	12.14	
			For 4,000 PSI Concrete, Add	15.36	
			For 4,500 PSI Concrete, Add	17.86	
			For 5,000 PSI Concrete, Add	20.36	
			For 6,000 PSI Concrete, Add	48.21	
			For White Cement Concrete, Add	21.43	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
			For High Early Strength, Type 3 ASTM C150, Add	17.86	
			For Lightweight Aggregate, ASTM C330, Add	62.50	
			For Up To 20, Add	18.78	
			For >20 To 50, Add	7.04	
			For >100 To 200, Deduct	-4.51	
			For >200 To 400, Deduct	-9.02	
			For >400, Deduct	-13.53	
03 31	13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	214.19	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.64	
			For 2,500 PSI Concrete, Deduct	-4.82	
			For 3,500 PSI Concrete, Add	8.93	
			For 3,750 PSI Concrete, Add	12.14	
			For 4,000 PSI Concrete, Add	15.36	
			For 4,500 PSI Concrete, Add	17.86	
			For 5,000 PSI Concrete, Add	20.36	
			For 6,000 PSI Concrete, Add	48.21	
			For White Cement Concrete, Add	21.43	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
			For High Early Strength, Type 3 ASTM C150, Add	17.86	
			For Lightweight Aggregate, ASTM C330, Add	62.50	
			For Up To 20, Add	14.25	
			For >20 To 50, Add	5.34	
			For >100 To 200, Deduct	-4.28	
			For >200 To 400, Deduct	-8.57	
			For >400, Deduct	-12.85	

03 31 13 00-0052 Place Concrete Columns (03 31 13 00-0043)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0053 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	418.90	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.51	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	101.62	
For >20 To 50, Add	38.11	
For >100 To 200, Deduct	-8.38	
For >200 To 400, Deduct	-16.76	
For >400, Deduct	-25.13	
03 31 13 00-0054 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	349.50	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	73.87	
For >20 To 50, Add	27.70	
For >100 To 200, Deduct	-6.99	
For >200 To 400, Deduct	-13.98	
For >400, Deduct	-20.97	
03 31 13 00-0055 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	299.87	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	54.02	
For >20 To 50, Add	20.26	
For >100 To 200, Deduct	-6.00	
For >200 To 400, Deduct	-11.99	
For >400, Deduct	-17.99	
03 31 13 00-0056 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	277.76	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.51	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	45.17	
For >20 To 50, Add	16.94	
For >100 To 200, Deduct	-5.56	
For >200 To 400, Deduct	-11.11	
For >400, Deduct	-16.67	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	286.27	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.64	
		For 2,500 PSI Concrete, Deduct	-4.82	
		For 3,500 PSI Concrete, Add	8.93	
		For 3,750 PSI Concrete, Add	12.14	
		For 4,000 PSI Concrete, Add	15.36	
		For 4,500 PSI Concrete, Add	17.86	
		For 5,000 PSI Concrete, Add	20.36	
		For 6,000 PSI Concrete, Add	48.21	
		For White Cement Concrete, Add	21.43	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
		For High Early Strength, Type 3 ASTM C150, Add	17.86	
		For Lightweight Aggregate, ASTM C330, Add	62.50	
		For Up To 20, Add	43.08	
		For >20 To 50, Add	16.16	
		For >100 To 200, Deduct	-5.73	
		For >200 To 400, Deduct	-11.45	
		For >400, Deduct	-17.18	
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	256.84	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.64	
		For 2,500 PSI Concrete, Deduct	-4.82	
		For 3,500 PSI Concrete, Add	8.93	
		For 3,750 PSI Concrete, Add	12.14	
		For 4,000 PSI Concrete, Add	15.36	
		For 4,500 PSI Concrete, Add	17.86	
		For 5,000 PSI Concrete, Add	20.36	
		For 6,000 PSI Concrete, Add	48.21	
		For White Cement Concrete, Add	21.43	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
		For High Early Strength, Type 3 ASTM C150, Add	17.86	
		For Lightweight Aggregate, ASTM C330, Add	62.50	
		For Up To 20, Add	31.31	
		For >20 To 50, Add	11.74	
		For >100 To 200, Deduct	-5.14	
		For >200 To 400, Deduct	-10.27	
		For >400, Deduct	-15.41	
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	235.81	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.64	
		For 2,500 PSI Concrete, Deduct	-4.82	
		For 3,500 PSI Concrete, Add	8.93	
		For 3,750 PSI Concrete, Add	12.14	
		For 4,000 PSI Concrete, Add	15.36	
		For 4,500 PSI Concrete, Add	17.86	
		For 5,000 PSI Concrete, Add	20.36	
		For 6,000 PSI Concrete, Add	48.21	
		For White Cement Concrete, Add	21.43	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
		For High Early Strength, Type 3 ASTM C150, Add	17.86	
		For Lightweight Aggregate, ASTM C330, Add	62.50	
		For Up To 20, Add	22.90	
		For >20 To 50, Add	8.59	
		For >100 To 200, Deduct	-4.72	
		For >200 To 400, Deduct	-9.43	
		For >400, Deduct	-14.15	
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	226.43	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-9.64	
		For 2,500 PSI Concrete, Deduct	-4.82	
		For 3,500 PSI Concrete, Add	8.93	
		For 3,750 PSI Concrete, Add	12.14	
		For 4,000 PSI Concrete, Add	15.36	
		For 4,500 PSI Concrete, Add	17.86	
		For 5,000 PSI Concrete, Add	20.36	
		For 6,000 PSI Concrete, Add	48.21	
		For White Cement Concrete, Add	21.43	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
		For High Early Strength, Type 3 ASTM C150, Add	17.86	
		For Lightweight Aggregate, ASTM C330, Add	62.50	
		For Up To 20, Add	19.14	
		For >20 To 50, Add	7.18	
		For >100 To 200, Deduct	-4.53	
		For >200 To 400, Deduct	-9.06	
		For >400, Deduct	-13.59	

03 31 13 00-0061 Place Concrete Walls (03 31 13 00-0043)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0062 CY Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	403.01	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	95.27	
For >20 To 50, Add	35.73	
For >100 To 200, Deduct	-8.06	
For >200 To 400, Deduct	-16.12	
For >400, Deduct	-24.18	
03 31 13 00-0063 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	383.27	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	87.38	
For >20 To 50, Add	32.77	
For >100 To 200, Deduct	-7.67	
For >200 To 400, Deduct	-15.33	
For >400, Deduct	-23.00	
03 31 13 00-0064 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	331.57	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	66.70	
For >20 To 50, Add	25.01	
For >100 To 200, Deduct	-6.63	
For >200 To 400, Deduct	-13.26	
For >400, Deduct	-19.89	
03 31 13 00-0065 CY Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	270.83	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	42.40	
For >20 To 50, Add	15.90	
For >100 To 200, Deduct	-5.42	
For >200 To 400, Deduct	-10.83	
For >400, Deduct	-16.25	

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	249.63	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.90	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.45	
		<i>For 3,500 PSI Concrete, Add</i>	8.24	
		<i>For 3,750 PSI Concrete, Add</i>	11.21	
		<i>For 4,000 PSI Concrete, Add</i>	14.18	
		<i>For 4,500 PSI Concrete, Add</i>	16.48	
		<i>For 5,000 PSI Concrete, Add</i>	18.79	
		<i>For 6,000 PSI Concrete, Add</i>	44.50	
		<i>For White Cement Concrete, Add</i>	19.78	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.43	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.48	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.69	
		<i>For Up To 20, Add</i>	33.92	
		<i>For >20 To 50, Add</i>	12.72	
		<i>For >100 To 200, Deduct</i>	-4.99	
		<i>For >200 To 400, Deduct</i>	-9.99	
		<i>For >400, Deduct</i>	-14.98	
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	239.03	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.90	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.45	
		<i>For 3,500 PSI Concrete, Add</i>	8.24	
		<i>For 3,750 PSI Concrete, Add</i>	11.21	
		<i>For 4,000 PSI Concrete, Add</i>	14.18	
		<i>For 4,500 PSI Concrete, Add</i>	16.48	
		<i>For 5,000 PSI Concrete, Add</i>	18.79	
		<i>For 6,000 PSI Concrete, Add</i>	44.50	
		<i>For White Cement Concrete, Add</i>	19.78	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.43	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.48	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.69	
		<i>For Up To 20, Add</i>	29.68	
		<i>For >20 To 50, Add</i>	11.13	
		<i>For >100 To 200, Deduct</i>	-4.78	
		<i>For >200 To 400, Deduct</i>	-9.56	
		<i>For >400, Deduct</i>	-14.34	
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	279.53	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.64	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.82	
		<i>For 3,500 PSI Concrete, Add</i>	8.93	
		<i>For 3,750 PSI Concrete, Add</i>	12.14	
		<i>For 4,000 PSI Concrete, Add</i>	15.36	
		<i>For 4,500 PSI Concrete, Add</i>	17.86	
		<i>For 5,000 PSI Concrete, Add</i>	20.36	
		<i>For 6,000 PSI Concrete, Add</i>	48.21	
		<i>For White Cement Concrete, Add</i>	21.43	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.21	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	17.86	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	62.50	
		<i>For Up To 20, Add</i>	40.38	
		<i>For >20 To 50, Add</i>	15.14	
		<i>For >100 To 200, Deduct</i>	-5.59	
		<i>For >200 To 400, Deduct</i>	-11.18	
		<i>For >400, Deduct</i>	-16.77	
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	259.34	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-9.64	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.82	
		<i>For 3,500 PSI Concrete, Add</i>	8.93	
		<i>For 3,750 PSI Concrete, Add</i>	12.14	
		<i>For 4,000 PSI Concrete, Add</i>	15.36	
		<i>For 4,500 PSI Concrete, Add</i>	17.86	
		<i>For 5,000 PSI Concrete, Add</i>	20.36	
		<i>For 6,000 PSI Concrete, Add</i>	48.21	
		<i>For White Cement Concrete, Add</i>	21.43	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	23.21	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	17.86	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	62.50	
		<i>For Up To 20, Add</i>	32.31	
		<i>For >20 To 50, Add</i>	12.12	
		<i>For >100 To 200, Deduct</i>	-5.19	
		<i>For >200 To 400, Deduct</i>	-10.37	
		<i>For >400, Deduct</i>	-15.56	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0070 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	249.24	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	28.27	
For >20 To 50, Add	10.60	
For >100 To 200, Deduct	-4.98	
For >200 To 400, Deduct	-9.97	
For >400, Deduct	-14.95	
03 31 13 00-0071 Place Elevated Concrete Stairs (03 31 13 00-0043)		
03 31 13 00-0072 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	646.36	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.50	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	192.61	
For >20 To 50, Add	72.23	
For >100 To 200, Deduct	-12.93	
For >200 To 400, Deduct	-25.85	
For >400, Deduct	-38.78	
03 31 13 00-0073 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	379.14	
For 2,000 PSI Concrete, Deduct	-8.90	
For 2,500 PSI Concrete, Deduct	-4.45	
For 3,500 PSI Concrete, Add	8.24	
For 3,750 PSI Concrete, Add	11.21	
For 4,000 PSI Concrete, Add	14.18	
For 4,500 PSI Concrete, Add	16.48	
For 5,000 PSI Concrete, Add	18.79	
For 6,000 PSI Concrete, Add	44.51	
For White Cement Concrete, Add	19.78	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
For High Early Strength, Type 3 ASTM C150, Add	16.48	
For Lightweight Aggregate, ASTM C330, Add	57.69	
For Up To 20, Add	85.72	
For >20 To 50, Add	32.15	
For >100 To 200, Deduct	-7.58	
For >200 To 400, Deduct	-15.17	
For >400, Deduct	-22.75	
03 31 13 00-0074 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	357.16	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-9.64	
For 2,500 PSI Concrete, Deduct	-4.82	
For 3,500 PSI Concrete, Add	8.93	
For 3,750 PSI Concrete, Add	12.14	
For 4,000 PSI Concrete, Add	15.36	
For 4,500 PSI Concrete, Add	17.86	
For 5,000 PSI Concrete, Add	20.36	
For 6,000 PSI Concrete, Add	48.21	
For White Cement Concrete, Add	21.43	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
For High Early Strength, Type 3 ASTM C150, Add	17.86	
For Lightweight Aggregate, ASTM C330, Add	62.50	
For Up To 20, Add	71.44	
For >20 To 50, Add	26.79	
For >100 To 200, Deduct	-7.14	
For >200 To 400, Deduct	-14.29	
For >400, Deduct	-21.43	
03 31 13 00-0075 Place Concrete Coping (03 31 13 00-0043)		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	663.01	
			For 2,000 PSI Concrete, Deduct	-8.90	
			For 2,500 PSI Concrete, Deduct	-4.45	
			For 3,500 PSI Concrete, Add	8.24	
			For 3,750 PSI Concrete, Add	11.21	
			For 4,000 PSI Concrete, Add	14.18	
			For 4,500 PSI Concrete, Add	16.48	
			For 5,000 PSI Concrete, Add	18.79	
			For 6,000 PSI Concrete, Add	44.51	
			For White Cement Concrete, Add	19.78	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
			For High Early Strength, Type 3 ASTM C150, Add	16.48	
			For Lightweight Aggregate, ASTM C330, Add	57.69	
			For Up To 20, Add	199.27	
			For >20 To 50, Add	74.73	
			For >100 To 200, Deduct	-13.26	
			For >200 To 400, Deduct	-26.52	
			For >400, Deduct	-39.78	
03 31	13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	377.71	
			For 2,000 PSI Concrete, Deduct	-8.90	
			For 2,500 PSI Concrete, Deduct	-4.45	
			For 3,500 PSI Concrete, Add	8.24	
			For 3,750 PSI Concrete, Add	11.21	
			For 4,000 PSI Concrete, Add	14.18	
			For 4,500 PSI Concrete, Add	16.48	
			For 5,000 PSI Concrete, Add	18.79	
			For 6,000 PSI Concrete, Add	44.51	
			For White Cement Concrete, Add	19.78	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.43	
			For High Early Strength, Type 3 ASTM C150, Add	16.48	
			For Lightweight Aggregate, ASTM C330, Add	57.69	
			For Up To 20, Add	85.15	
			For >20 To 50, Add	31.93	
			For >100 To 200, Deduct	-7.55	
			For >200 To 400, Deduct	-15.11	
			For >400, Deduct	-22.66	
03 31	13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping	500.99	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-9.64	
			For 2,500 PSI Concrete, Deduct	-4.82	
			For 3,500 PSI Concrete, Add	8.93	
			For 3,750 PSI Concrete, Add	12.14	
			For 4,000 PSI Concrete, Add	15.36	
			For 4,500 PSI Concrete, Add	17.86	
			For 5,000 PSI Concrete, Add	20.36	
			For 6,000 PSI Concrete, Add	48.21	
			For White Cement Concrete, Add	21.43	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.21	
			For High Early Strength, Type 3 ASTM C150, Add	17.86	
			For Lightweight Aggregate, ASTM C330, Add	62.50	
			For Up To 20, Add	128.97	
			For >20 To 50, Add	48.36	
			For >100 To 200, Deduct	-10.02	
			For >200 To 400, Deduct	-20.04	
			For >400, Deduct	-30.06	
03 31	13 00-0079		Concrete Carts <small>(03 31 13 00-0010)</small>		
			Note: Used to place concrete were necessary.		
03 31	13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	25.20	
03 31	13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	33.75	
03 31	13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	45.01	
03 31	13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	11.36	
03 31	13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	15.23	
03 31	13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	20.32	
03 31	13 00-0086		Delivery Fee For Small Concrete Purchases (Short Load) <small>(03 31 13)</small>		
03 31	13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY	26.22	
			Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
03 31	13 00-0088		Equipment Pads <small>(03 31 13)</small>		
03 31	13 00-0089		Small Concrete Equipment Housekeeping Pad Assemblies <small>(03 31 13 00-0088)</small>		
			Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31	13 00-0090	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	19.51	
			For >5 To 20 Pads, Deduct	-2.45	
			For >20 To 50 Pads, Deduct	-4.48	
			For >50 Pads, Deduct	-6.52	
03 31	13 00-0091	SF	4" Equipment Pad With Rebar Assembly	24.38	
			For >5 To 20 Pads, Deduct	-2.82	
			For >20 To 50 Pads, Deduct	-5.18	
			For >50 Pads, Deduct	-7.53	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0092 SF 6" Equipment Pad With Rebar Assembly.....	30.57	
<i>For >5 To 20 Pads, Deduct</i>	-3.55	
<i>For >20 To 50 Pads, Deduct</i>	-6.50	
<i>For >50 Pads, Deduct</i>	-9.46	
03 31 13 00-0093 SF 8" Equipment Pad With Rebar Assembly.....	38.35	
<i>For >5 To 20 Pads, Deduct</i>	-4.51	
<i>For >20 To 50 Pads, Deduct</i>	-8.26	
<i>For >50 Pads, Deduct</i>	-12.02	
03 31 13 00-0094 Delivery Fee For Concrete, Per Truck Load (03 31 13)		
03 31 13 00-0095 EA Concrete Delivery Fee, Per Truck.....	40.00	
Note: To be added to all concrete leaving concrete yard		
03 31 16 Lightweight Structural Concrete (03 31)		
03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)		
03 31 16 00-0002 CY Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range.....	309.13	
03 35 Concrete Finishing (03 30)		
03 35 13 High-Tolerance Concrete Floor Finishing (03 35)		
03 35 13 00-0001 Floor Finishes (03 35 13)		
Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002 SF Screed, Concrete Floor Finish	1.07	
<i>For Up To 100, Add</i>	2.14	
<i>For >100 To 250, Add</i>	0.54	
<i>For >250 To 500, Add</i>	0.27	
<i>For >5,000 To 10,000, Deduct</i>	-0.05	
<i>For >10,000, Deduct</i>	-0.11	
03 35 13 00-0003 SF Darby, Concrete Floor Finish	1.29	
<i>For Up To 100, Add</i>	2.58	
<i>For >100 To 250, Add</i>	0.65	
<i>For >250 To 500, Add</i>	0.32	
<i>For >5,000 To 10,000, Deduct</i>	-0.06	
<i>For >10,000, Deduct</i>	-0.13	
03 35 13 00-0004 SF Broom, Concrete Floor Finish	1.42	
<i>For Up To 100, Add</i>	2.84	
<i>For >100 To 250, Add</i>	0.71	
<i>For >250 To 500, Add</i>	0.36	
<i>For >5,000 To 10,000, Deduct</i>	-0.07	
<i>For >10,000, Deduct</i>	-0.14	
03 35 13 00-0005 SF Final Float, Concrete Floor Finish.....	1.65	
<i>For Up To 100, Add</i>	3.30	
<i>For >100 To 250, Add</i>	0.83	
<i>For >250 To 500, Add</i>	0.41	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000, Deduct</i>	-0.17	
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish.....	1.86	
<i>For Up To 100, Add</i>	3.72	
<i>For >100 To 250, Add</i>	0.93	
<i>For >250 To 500, Add</i>	0.47	
<i>For >5,000 To 10,000, Deduct</i>	-0.09	
<i>For >10,000, Deduct</i>	-0.19	
03 35 13 00-0007 SF Concrete Floor Finishes, Machine	1.65	
<i>For Up To 100, Add</i>	3.30	
<i>For >100 To 250, Add</i>	0.83	
<i>For >250 To 500, Add</i>	0.41	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000, Deduct</i>	-0.17	
03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)		
03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	1.30	
03 35 16 00-0003 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.98	
03 35 16 00-0004 SF 0.3 LB/SF, Non-Metallic, Shake On Floor Hardener.....	1.23	
03 35 16 00-0005 SF 0.65 LB/SF, Non-Metallic, Shake On Floor Hardener.....	1.47	
03 35 19 Colored Concrete Finishing (03 35)		
03 35 19 00-0001 Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002 SF Acrylic Latex Bonding Agent.....	0.55	
03 35 19 00-0003 SF Epoxy Resin Bonding Agent.....	3.29	
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproof.....	0.39	
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproof.....	0.41	
03 35 23 Exposed Aggregate Concrete Finishing (03 35)		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish	3.93	
03 35 26 Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing	4.69	
03 35 29 Tooled Concrete Finishing (03 35)		
03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)		
03 35 29 00-0002 SF Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	17.92	
03 35 29 00-0003 Marblecrete Finishes (03 35 29)		
03 35 29 00-0004 SF 2" Thick Marblecrete And Finish	40.21	
03 35 29 00-0005 SF 4" Thick Marblecrete And Finish	53.94	
03 35 33 Stamped Concrete Finishing (03 35)		
03 35 33 00-0001 Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002 SF Up To 2,500 SF Stamped Concrete Finish	4.30	
03 35 33 00-0003 SF >2,500 To 10,000 SF Stamped Concrete Finish	3.90	
03 35 33 00-0004 SF >10,000 SF Stamped Concrete Finish	3.72	
03 35 43 Polished Concrete Finishing (03 35)		
03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)		
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002 SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.02	
For Up To 500, Add	3.84	
For >500 To 1,000, Add	3.56	
For >1,000 To 2,500, Add	2.36	
For >2,500 To 4,000, Add	1.23	
For >8,000 To 15,000, Deduct	-0.48	
For >15,000 To 25,000, Deduct	-0.60	
For >25,000, Deduct	-0.85	
03 35 43 00-0003 SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.63	
For Up To 500, Add	3.08	
For >500 To 1,000, Add	2.86	
For >1,000 To 2,500, Add	1.89	
For >2,500 To 4,000, Add	0.99	
For >8,000 To 15,000, Deduct	-0.38	
For >15,000 To 25,000, Deduct	-0.48	
For >25,000, Deduct	-0.68	
03 35 43 00-0004 SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.36	
For Up To 500, Add	2.56	
For >500 To 1,000, Add	2.38	
For >1,000 To 2,500, Add	1.57	
For >2,500 To 4,000, Add	0.82	
For >8,000 To 15,000, Deduct	-0.32	
For >15,000 To 25,000, Deduct	-0.40	
For >25,000, Deduct	-0.57	
03 35 43 00-0005 SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.27	
For Up To 500, Add	2.39	
For >500 To 1,000, Add	2.21	
For >1,000 To 2,500, Add	1.46	
For >2,500 To 4,000, Add	0.76	
For >8,000 To 15,000, Deduct	-0.30	
For >15,000 To 25,000, Deduct	-0.38	
For >25,000, Deduct	-0.53	
03 35 43 00-0006 SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.16	
For Up To 500, Add	2.17	
For >500 To 1,000, Add	2.02	
For >1,000 To 2,500, Add	1.33	
For >2,500 To 4,000, Add	0.69	
For >8,000 To 15,000, Deduct	-0.27	
For >15,000 To 25,000, Deduct	-0.34	
For >25,000, Deduct	-0.48	
03 35 43 00-0007 SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.16	
For Up To 500, Add	2.17	
For >500 To 1,000, Add	2.02	
For >1,000 To 2,500, Add	1.33	
For >2,500 To 4,000, Add	0.69	
For >8,000 To 15,000, Deduct	-0.27	
For >15,000 To 25,000, Deduct	-0.34	
For >25,000, Deduct	-0.48	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0008 SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.16	
For Up To 500, Add	2.17	
For >500 To 1,000, Add	2.02	
For >1,000 To 2,500, Add	1.33	
For >2,500 To 4,000, Add	0.69	
For >8,000 To 15,000, Deduct	-0.27	
For >15,000 To 25,000, Deduct	-0.34	
For >25,000, Deduct	-0.48	
03 35 43 00-0009 SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.16	
For Up To 500, Add	2.17	
For >500 To 1,000, Add	2.02	
For >1,000 To 2,500, Add	1.33	
For >2,500 To 4,000, Add	0.69	
For >8,000 To 15,000, Deduct	-0.27	
For >15,000 To 25,000, Deduct	-0.34	
For >25,000, Deduct	-0.48	
03 35 43 00-0010 SF High Speed Burnish Concrete Floor With Diamond Pads.....	0.29	
For Up To 500, Add	0.49	
For >500 To 1,000, Add	0.45	
For >1,000 To 2,500, Add	0.30	
For >2,500 To 4,000, Add	0.16	
For >8,000 To 15,000, Deduct	-0.06	
For >15,000 To 25,000, Deduct	-0.08	
For >25,000, Deduct	-0.11	
03 35 43 00-0011 SF Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.59	
For Up To 500, Add	0.58	
For >500 To 1,000, Add	0.54	
For >1,000 To 2,500, Add	0.36	
For >2,500 To 4,000, Add	0.19	
For >8,000 To 15,000, Deduct	-0.07	
For >15,000 To 25,000, Deduct	-0.09	
For >25,000, Deduct	-0.13	
03 35 43 00-0012 SF Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing.....	1.04	
For Up To 500, Add	0.87	
For >500 To 1,000, Add	0.81	
For >1,000 To 2,500, Add	0.54	
For >2,500 To 4,000, Add	0.28	
For >8,000 To 15,000, Deduct	-0.11	
For >15,000 To 25,000, Deduct	-0.14	
For >25,000, Deduct	-0.19	
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up.....	0.16	
For Up To 500, Add	0.31	
For >500 To 1,000, Add	0.29	
For >1,000 To 2,500, Add	0.19	
For >2,500 To 4,000, Add	0.10	
For >8,000 To 15,000, Deduct	-0.04	
For >15,000 To 25,000, Deduct	-0.05	
For >25,000, Deduct	-0.07	
03 35 63 Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.69	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.37	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 66 Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001 Acid Etch Floor (03 35 66)		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse	1.01	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.05	
03 35 83 Concrete Wall Finishing (03 35)		
03 35 83 00-0001 Wall Finishes (03 35 83)		

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



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0002	SF		Burlap Rub With Grout, New Concrete Wall Finishes	1.89	
			For Up To 100, Add	3.58	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.45	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000, Deduct	-0.18	
03 35 83 00-0003	SF		1/16" Float Finish, New Concrete Wall Finishes	2.82	
			For Up To 100, Add	5.36	
			For >100 To 250, Add	1.34	
			For >250 To 500, Add	0.67	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000, Deduct	-0.27	
03 35 83 00-0004	SF		Etch With Acid And Rinse, New Concrete Wall Finishes	1.11	
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000, Deduct	-0.06	
03 35 83 00-0005	SF		Bush Hammer Green Concrete, New Concrete Wall Finishes.....	5.73	
			For Up To 100, Add	11.36	
			For >100 To 250, Add	2.84	
			For >250 To 500, Add	1.42	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000, Deduct	-0.57	
03 35 83 00-0006	SF		Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	8.88	
			For Up To 100, Add	17.56	
			For >100 To 250, Add	4.39	
			For >250 To 500, Add	2.20	
			For >5,000 To 10,000, Deduct	-0.44	
			For >10,000, Deduct	-0.88	
03 35 83 00-0007	SF		Break Ties And Patch, New Concrete Wall Finishes	1.08	
			For Up To 100, Add	1.92	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.24	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000, Deduct	-0.10	
03 35 83 00-0008	SF		Carborundum Dry Rub, New Concrete Wall Finishes	3.70	
			For Up To 100, Add	7.16	
			For >100 To 250, Add	1.79	
			For >250 To 500, Add	0.90	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000, Deduct	-0.36	
03 35 83 00-0009	SF		Carborundum Wet Rub, New Concrete Wall Finishes	5.64	
			For Up To 100, Add	11.04	
			For >100 To 250, Add	2.76	
			For >250 To 500, Add	1.38	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000, Deduct	-0.55	
03 35 83 00-0010	SF		Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes	5.71	
			Note: 4.5 Lbs of sand or abrasive media material per SF		
			For Up To 100, Add	9.10	
			For >100 To 250, Add	2.28	
			For >250 To 500, Add	1.14	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000, Deduct	-0.46	
03 35 83 00-0011	SF		>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes.....	11.41	
			Note: 9 Lbs of sand abrasive media material per SF		
			For Up To 100, Add	18.18	
			For >100 To 250, Add	4.55	
			For >250 To 500, Add	2.27	
			For >5,000 To 10,000, Deduct	-0.45	
			For >10,000, Deduct	-0.91	

03 37 Specialty Placed Concrete (03 30)

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

03 37 13 Shotcrete (03 37)

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

03 37 13 00-0002	SF		1" Thick Shotcrete, Fiber Reinforced	3.61	
			For Up To 25, Add	0.68	
			For >25 To 50, Add	0.39	
			For >50 To 150, Add	0.16	
03 37 13 00-0003	SF		2" Thick Shotcrete, Fiber Reinforced	6.79	
			For Up To 25, Add	1.25	
			For >25 To 50, Add	0.72	
			For >50 To 150, Add	0.29	
03 37 13 00-0004	SF		3" Thick Shotcrete, Fiber Reinforced	9.61	
			For Up To 25, Add	1.73	
			For >25 To 50, Add	0.99	
			For >50 To 150, Add	0.38	
03 37 13 00-0005	SF		4" Thick Shotcrete, Fiber Reinforced	12.14	
			For Up To 25, Add	2.14	
			For >25 To 50, Add	1.22	
			For >50 To 150, Add	0.46	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	16.44	
For Up To 25, Add	2.76	
For >25 To 50, Add	1.57	
For >50 To 150, Add	0.56	
03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed <small>(03 37 13)</small>		
See CSI section 03 22 11 00-0001 for wire mesh reinforcing.		
03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed	3.93	
For Radius Or Irregular Surface, Add	1.16	
For Up To 25, Add	0.83	
For >25 To 50, Add	0.49	
For >50 To 150, Add	0.22	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.26	
For Radius Or Irregular Surface, Add	2.09	
For Up To 25, Add	1.51	
For >25 To 50, Add	0.89	
For >50 To 150, Add	0.39	
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.11	
For Radius Or Irregular Surface, Add	2.82	
For Up To 25, Add	2.07	
For >25 To 50, Add	1.21	
For >50 To 150, Add	0.53	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.53	
For Radius Or Irregular Surface, Add	3.38	
For Up To 25, Add	2.52	
For >25 To 50, Add	1.47	
For >50 To 150, Add	0.63	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed	14.61	
For Radius Or Irregular Surface, Add	3.80	
For Up To 25, Add	2.89	
For >25 To 50, Add	1.68	
For >50 To 150, Add	0.71	
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.38	
For Radius Or Irregular Surface, Add	4.11	
For Up To 25, Add	3.18	
For >25 To 50, Add	1.85	
For >50 To 150, Add	0.77	
03 37 13 00-0014 SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed	20.47	
For Radius Or Irregular Surface, Add	4.93	
For Up To 25, Add	3.90	
For >25 To 50, Add	2.26	
For >50 To 150, Add	0.92	
03 37 13 00-0015 SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed	24.05	
For Radius Or Irregular Surface, Add	5.54	
For Up To 25, Add	4.48	
For >25 To 50, Add	2.59	
For >50 To 150, Add	1.04	
03 37 13 00-0016 SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed	27.20	
For Radius Or Irregular Surface, Add	5.99	
For Up To 25, Add	4.97	
For >25 To 50, Add	2.86	
For >50 To 150, Add	1.12	
03 37 16 Pumped Concrete <small>(03 37)</small>		
03 37 16 00-0001 Concrete Pumping With Boom Truck <small>(03 37 16)</small>		
Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.		
03 37 16 00-0002 HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	209.51	
03 37 16 00-0003 HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	223.82	
03 37 16 00-0004 HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	275.50	
03 37 16 00-0005 HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	307.67	
03 37 16 00-0006 HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	340.87	
03 37 16 00-0007 HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	411.19	
03 37 16 00-0008 HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	453.14	
03 37 16 00-0009 HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	554.75	
03 37 16 00-0010 HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump	145.16	
Note: Includes hoses		
03 38 Post-Tensioned Concrete <small>(03 30)</small>		
03 38 16 Unbonded Post-Tensioned Concrete <small>(03 38)</small>		
03 38 16 00-0001 Stressing, Slab On Grade, 1/2" Diameter, Non-bonded Strands, Tensioned Concrete <small>(03 38 16)</small>		
03 38 16 00-0002 SF Up To 600 SF Slab, Stressing Of Strands @ 36" O.C.	0.44	
03 38 16 00-0003 SF Up To 600 SF Slab, Stressing Of Strands @ 42" O.C.	0.40	
03 38 16 00-0004 SF Up To 600 SF Slab, Stressing Of Strands @ 48" O.C.	0.37	
03 38 16 00-0005 SF >600 To 1,200 SF Slab, Stressing Of Strands @ 36" O.C.	0.39	

03	Concrete
03 30	Cast-In-Place Concrete
03 38	Post-Tensioned Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 38 16 00-0006	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 42" O.C.....	0.36
03 38 16 00-0007	SF	>600 To 1,200 SF Slab, Stressing Of Strands @ 48" O.C.....	0.34
03 38 16 00-0008	SF	>1,200 SF Slab, Stressing Of Strands @ 36" O.C.....	0.29
03 38 16 00-0009	SF	>1,200 SF Slab, Stressing Of Strands @ 42" O.C.....	0.27
03 38 16 00-0010	SF	>1,200 SF Slab, Stressing Of Strands @ 48" O.C.....	0.25

03 39 Concrete Curing (03 30)

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound.....	0.36
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Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.

03 39 23 Membrane Concrete Curing (03 39)

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

03 39 23 23-0001 Warm Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets.....	33.42
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03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket.....	308.31
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket.....	38.27

03 40 Precast Concrete (03)

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

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)

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

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane.....	362.39	289.94
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	402.85	322.23
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	427.77	342.20
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane.....	453.48	362.81
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	485.31	388.22
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	518.67	414.94
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	556.96	445.54
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	605.74	484.57
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane.....	658.63	526.97

03 41 16 00-0012 Material Cost (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	31.64
		For 3,500 PSI Concrete, Add	0.63
		For 4,000 PSI Concrete, Add	0.95
		For 4,500 PSI Concrete, Add	1.27
		For 5,000 PSI Concrete, Add	1.90
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	37.97
		For 3,500 PSI Concrete, Add	0.76
		For 4,000 PSI Concrete, Add	1.14
		For 4,500 PSI Concrete, Add	1.52
		For 5,000 PSI Concrete, Add	2.28
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	46.41
		For 3,500 PSI Concrete, Add	0.93
		For 4,000 PSI Concrete, Add	1.39
		For 4,500 PSI Concrete, Add	1.86
		For 5,000 PSI Concrete, Add	2.78
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	61.60
		For 3,500 PSI Concrete, Add	1.23
		For 4,000 PSI Concrete, Add	1.85
		For 4,500 PSI Concrete, Add	2.46
		For 5,000 PSI Concrete, Add	3.70

03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)

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



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	445.12	356.08
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	485.16	388.17
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	536.23	428.93
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	595.43	476.30
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	669.31	535.40
03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 16 00-0017)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	563.42	450.77
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	614.10	491.25
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	678.75	543.04
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	753.67	602.96
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	847.20	677.82
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	921.15	736.87
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,018.12	814.49
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,126.85	901.53
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,275.44	1,020.36
03 41 16 00-0034 Material Cost <small>(03 41 16 00-0017)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035 4" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,332.85	
For 3,500 PSI Concrete, Add	66.66	
For 4,000 PSI Concrete, Add	99.99	
For 4,500 PSI Concrete, Add	133.31	
For 5,000 PSI Concrete, Add	199.97	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,375.03	
For 3,500 PSI Concrete, Add	67.50	
For 4,000 PSI Concrete, Add	101.25	
For 4,500 PSI Concrete, Add	135.00	
For 5,000 PSI Concrete, Add	202.50	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,796.91	
For 3,500 PSI Concrete, Add	75.94	
For 4,000 PSI Concrete, Add	113.91	
For 4,500 PSI Concrete, Add	151.88	
For 5,000 PSI Concrete, Add	227.81	
03 41 16 00-0039 5" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,417.22	
For 3,500 PSI Concrete, Add	68.34	
For 4,000 PSI Concrete, Add	102.52	
For 4,500 PSI Concrete, Add	136.69	
For 5,000 PSI Concrete, Add	205.03	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,543.79	
For 3,500 PSI Concrete, Add	70.88	
For 4,000 PSI Concrete, Add	106.31	
For 4,500 PSI Concrete, Add	141.75	
For 5,000 PSI Concrete, Add	212.63	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,514.11	
For 3,500 PSI Concrete, Add	90.28	
For 4,000 PSI Concrete, Add	135.42	
For 4,500 PSI Concrete, Add	180.56	
For 5,000 PSI Concrete, Add	270.85	
03 41 16 00-0043 6" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,543.79	
For 3,500 PSI Concrete, Add	70.88	
For 4,000 PSI Concrete, Add	106.31	
For 4,500 PSI Concrete, Add	141.75	
For 5,000 PSI Concrete, Add	212.63	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	4,218.79	
For 3,500 PSI Concrete, Add	84.38	
For 4,000 PSI Concrete, Add	126.56	
For 4,500 PSI Concrete, Add	168.75	
For 5,000 PSI Concrete, Add	253.13	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	5,146.93	
For 3,500 PSI Concrete, Add	102.94	
For 4,000 PSI Concrete, Add	154.41	
For 4,500 PSI Concrete, Add	205.88	
For 5,000 PSI Concrete, Add	308.82	
03 41 19 Precast Concrete Wall Panels <small>(03 41)</small>		
03 41 19 00-0001 Structural Wall Panels <small>(03 41 19)</small>		
Note: Gray, smooth form or board finish one side.		

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 19 00-0002	Erection Cost Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.			
03 41 19 00-0003	EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	358.15	286.54
03 41 19 00-0004	EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	398.13	318.45
03 41 19 00-0005	EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	448.17	358.56
03 41 19 00-0006	EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	479.62	383.67
03 41 19 00-0007	EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	512.60	410.07
03 41 19 00-0008	EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	550.43	440.32
03 41 19 00-0009	EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	598.64	478.89
03 41 19 00-0010	EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	650.91	520.79
03 41 19 00-0011	Erection Cost Using 90 Ton Crawler Crane <small>(03 41 19 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.			
03 41 19 00-0012	EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	400.42	320.29
03 41 19 00-0013	EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	445.12	356.08
03 41 19 00-0014	EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	501.07	400.92
03 41 19 00-0015	EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	536.23	428.93
03 41 19 00-0016	EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	573.10	458.48
03 41 19 00-0017	EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	615.41	492.35
03 41 19 00-0018	EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	669.31	535.40
03 41 19 00-0019	EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	727.74	582.14
03 41 19 00-0020	EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	804.34	643.52
03 41 19 00-0021	EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	890.25	712.17
03 41 19 00-0022	EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,007.64	806.16
03 41 19 00-0023	EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,146.19	916.96
03 41 19 00-0024	EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,328.92	1,063.16
03 41 19 00-0025	Material Cost <small>(03 41 19 00-0001)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.			
03 41 19 00-0026	SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	42.19	
	For 3,500 PSI Concrete, Add	0.84	
	For 4,000 PSI Concrete, Add	1.27	
	For 4,500 PSI Concrete, Add	1.69	
	For 5,000 PSI Concrete, Add	2.53	
	For White Facing, Add	8.44	
	For Solid White Through Thickness, Add	8.44	
	For Broken Rib Finish, Add	4.22	
	For Fluted Surface, Add	4.22	
	For Exposed Aggregate, Add	8.44	
	For Sandblasting Of Surface, Add	4.22	
	For 2" Polystyrene Insulation, Add	2.16	
03 41 19 00-0027	SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	51.89	
	For 3,500 PSI Concrete, Add	1.04	
	For 4,000 PSI Concrete, Add	1.56	
	For 4,500 PSI Concrete, Add	2.08	
	For 5,000 PSI Concrete, Add	3.11	
	For White Facing, Add	10.38	
	For Solid White Through Thickness, Add	10.38	
	For Broken Rib Finish, Add	5.19	
	For Fluted Surface, Add	5.19	
	For Exposed Aggregate, Add	10.38	
	For Sandblasting Of Surface, Add	5.19	
	For 2" Polystyrene Insulation, Add	2.16	
03 41 19 00-0028	SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	62.44	
	For 3,500 PSI Concrete, Add	1.25	
	For 4,000 PSI Concrete, Add	1.87	
	For 4,500 PSI Concrete, Add	2.50	
	For 5,000 PSI Concrete, Add	3.75	
	For White Facing, Add	12.49	
	For Solid White Through Thickness, Add	12.49	
	For Broken Rib Finish, Add	6.24	
	For Fluted Surface, Add	6.24	
	For Exposed Aggregate, Add	12.49	
	For Sandblasting Of Surface, Add	6.24	
	For 2" Polystyrene Insulation, Add	2.16	
03 41 19 00-0029	SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	82.27	
	For 3,500 PSI Concrete, Add	1.65	
	For 4,000 PSI Concrete, Add	2.47	
	For 4,500 PSI Concrete, Add	3.29	
	For 5,000 PSI Concrete, Add	4.94	
	For White Facing, Add	16.45	
	For Solid White Through Thickness, Add	16.45	
	For Broken Rib Finish, Add	8.23	
	For Fluted Surface, Add	8.23	
	For Exposed Aggregate, Add	16.45	
	For Sandblasting Of Surface, Add	8.23	
	For 2" Polystyrene Insulation, Add	2.16	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 19 00-0030 Partition Panels <small>(03 41 19)</small>		
03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	285.14	228.07
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	316.98	253.61
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	356.81	285.44
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	408.10	326.48
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	438.23	350.62
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	476.62	381.28
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	518.23	414.63
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	572.78	458.24

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	358.15	286.54
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	398.13	318.45
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	448.17	358.56
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	512.60	410.07
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	550.43	440.32
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	598.64	478.89
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	650.91	520.79
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	719.43	575.52
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	796.26	637.02
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	901.27	720.96
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	1,025.19	820.15
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,188.62	950.86

03 41 19 00-0053 Material Cost <small>(03 41 19 00-0030)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	40.08	
For 4,000 PSI Concrete, Add	1.20	
For 4,500 PSI Concrete, Add	1.60	
For 5,000 PSI Concrete, Add	2.40	
For White Facing, Add	8.02	
For Solid White Through Thickness, Add	8.02	
For Broken Rib Finish, Add	4.01	
For Fluted Surface, Add	4.01	
For Exposed Aggregate, Add	8.02	
For Sandblasting Of Surface, Add	4.01	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	49.36	
For 4,000 PSI Concrete, Add	1.48	
For 4,500 PSI Concrete, Add	1.97	
For 5,000 PSI Concrete, Add	2.96	
For White Facing, Add	9.87	
For Solid White Through Thickness, Add	9.87	
For Broken Rib Finish, Add	4.94	
For Fluted Surface, Add	4.94	
For Exposed Aggregate, Add	9.87	
For Sandblasting Of Surface, Add	4.94	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	59.06	
For 4,000 PSI Concrete, Add	1.77	
For 4,500 PSI Concrete, Add	2.36	
For 5,000 PSI Concrete, Add	3.54	
For White Facing, Add	11.81	
For Solid White Through Thickness, Add	11.81	
For Broken Rib Finish, Add	5.91	
For Fluted Surface, Add	5.91	
For Exposed Aggregate, Add	11.81	
For Sandblasting Of Surface, Add	5.91	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	78.05	
For 4,000 PSI Concrete, Add	2.34	
For 4,500 PSI Concrete, Add	3.12	
For 5,000 PSI Concrete, Add	4.68	
For White Facing, Add	15.61	
For Solid White Through Thickness, Add	15.61	
For Broken Rib Finish, Add	7.81	
For Fluted Surface, Add	7.81	
For Exposed Aggregate, Add	15.61	
For Sandblasting Of Surface, Add	7.81	

03 41 19 00-0058 Cladding Panels <small>(03 41 19)</small>		
03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0058)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	377.95	302.31
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	422.76	338.19

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

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	479.62	383.67
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	512.60	410.07
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	550.43	440.32
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	598.64	478.89
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	650.91	520.79
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	719.43	575.52
03 41 19 00-0068		Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	422.56	338.00
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	472.65	378.11
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	536.23	428.93
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	573.10	458.48
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	615.41	492.35
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	669.31	535.40
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	727.74	582.14
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	804.34	643.52
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	890.25	712.17
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	1,007.64	806.16
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,146.19	916.96
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,328.92	1,063.16
03 41 19 00-0081		Material Cost (03 41 19 00-0058)		
		Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	40.08	
		For 3,500 PSI Concrete, Add	0.80	
		For 4,000 PSI Concrete, Add	1.20	
		For 4,500 PSI Concrete, Add	1.60	
		For 5,000 PSI Concrete, Add	2.40	
		For White Facing, Add	8.02	
		For Solid White Through Thickness, Add	8.02	
		For Broken Rib Finish, Add	4.01	
		For Fluted Surface, Add	4.01	
		For Exposed Aggregate, Add	8.02	
		For Sandblasting Of Surface, Add	4.01	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	49.36	
		For 3,500 PSI Concrete, Add	0.99	
		For 4,000 PSI Concrete, Add	1.48	
		For 4,500 PSI Concrete, Add	1.97	
		For 5,000 PSI Concrete, Add	2.96	
		For White Facing, Add	9.87	
		For Solid White Through Thickness, Add	9.87	
		For Broken Rib Finish, Add	4.94	
		For Fluted Surface, Add	4.94	
		For Exposed Aggregate, Add	9.87	
		For Sandblasting Of Surface, Add	4.94	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	59.06	
		For 3,500 PSI Concrete, Add	1.18	
		For 4,000 PSI Concrete, Add	1.77	
		For 4,500 PSI Concrete, Add	2.36	
		For 5,000 PSI Concrete, Add	3.54	
		For White Facing, Add	11.81	
		For Solid White Through Thickness, Add	11.81	
		For Broken Rib Finish, Add	5.91	
		For Fluted Surface, Add	5.91	
		For Exposed Aggregate, Add	11.81	
		For Sandblasting Of Surface, Add	5.91	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	78.05	
		For 3,500 PSI Concrete, Add	1.56	
		For 4,000 PSI Concrete, Add	2.34	
		For 4,500 PSI Concrete, Add	3.12	
		For 5,000 PSI Concrete, Add	4.68	
		For White Facing, Add	15.61	
		For Solid White Through Thickness, Add	15.61	
		For Broken Rib Finish, Add	7.81	
		For Fluted Surface, Add	7.81	
		For Exposed Aggregate, Add	15.61	
		For Sandblasting Of Surface, Add	7.81	
03 41 19 00-0086		Sandwich Panel (03 41 19)		
03 41 19 00-0087		Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	377.95	302.31
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	422.76	338.19
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	479.62	383.67
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	512.60	410.07
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	550.43	440.32
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	598.64	478.89



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	650.91	520.79
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	719.43	575.52

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)

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

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	382.43	305.89
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	427.77	342.20
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	485.31	388.22
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	518.67	414.94
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	556.96	445.54
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	605.74	484.57
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	658.63	526.97
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	727.96	582.34
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	805.71	644.58
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	911.96	729.51
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,037.35	829.87
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,202.71	962.14

03 41 19 00-0109 Material Cost (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	54.84	
		For 3,500 PSI Concrete, Add	1.10	
		For 4,000 PSI Concrete, Add	1.65	
		For 4,500 PSI Concrete, Add	2.19	
		For 5,000 PSI Concrete, Add	3.29	
		For White Facing, Add	10.97	
		For Solid White Through Thickness, Add	10.97	
		For Broken Rib Finish, Add	5.48	
		For Fluted Surface, Add	5.48	
		For Exposed Aggregate, Add	10.97	
		For Sandblasting Of Surface, Add	5.48	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	64.55	
		For 3,500 PSI Concrete, Add	1.29	
		For 4,000 PSI Concrete, Add	1.94	
		For 4,500 PSI Concrete, Add	2.58	
		For 5,000 PSI Concrete, Add	3.87	
		For White Facing, Add	12.91	
		For Solid White Through Thickness, Add	12.91	
		For Broken Rib Finish, Add	6.46	
		For Fluted Surface, Add	6.46	
		For Exposed Aggregate, Add	12.91	
		For Sandblasting Of Surface, Add	6.46	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	75.09	
		For 3,500 PSI Concrete, Add	1.50	
		For 4,000 PSI Concrete, Add	2.25	
		For 4,500 PSI Concrete, Add	3.00	
		For 5,000 PSI Concrete, Add	4.51	
		For White Facing, Add	15.02	
		For Solid White Through Thickness, Add	15.02	
		For Broken Rib Finish, Add	7.51	
		For Fluted Surface, Add	7.51	
		For Exposed Aggregate, Add	15.02	
		For Sandblasting Of Surface, Add	7.51	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	94.92	
		For 3,500 PSI Concrete, Add	1.90	
		For 4,000 PSI Concrete, Add	2.85	
		For 4,500 PSI Concrete, Add	3.80	
		For 5,000 PSI Concrete, Add	5.70	
		For White Facing, Add	18.98	
		For Solid White Through Thickness, Add	18.98	
		For Broken Rib Finish, Add	9.49	
		For Fluted Surface, Add	9.49	
		For Exposed Aggregate, Add	18.98	
		For Sandblasting Of Surface, Add	9.49	

03 41 23 Precast Concrete Stairs (03 41)

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)

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

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	398.13	318.45
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	422.76	338.19
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	448.17	358.56
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	479.62	383.67
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	512.60	410.07
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	550.43	440.32
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	598.64	478.89
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	650.91	520.79

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 23 00-0010	Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 23)</small>		
	<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 23 00-0011	EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	398.13	318.45
03 41 23 00-0012	EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	422.76	338.19
03 41 23 00-0013	EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	448.17	358.56
03 41 23 00-0014	EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	479.62	383.67
03 41 23 00-0015	EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	512.60	410.07
03 41 23 00-0016	EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	550.43	440.32
03 41 23 00-0017	EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	598.64	478.89
03 41 23 00-0018	EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	650.91	520.79

03 41 23 00-0019	Material Cost <small>(03 41 23)</small>		
	<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.</small>		
03 41 23 00-0020	EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	845.49	
	<i>For 3,500 PSI Concrete, Add</i>	110.34	
	<i>For 4,000 PSI Concrete, Add</i>	207.31	
	<i>For 4,500 PSI Concrete, Add</i>	304.71	
	<i>For 5,000 PSI Concrete, Add</i>	414.54	

03 41 26 Precast Concrete Structural Sections (03 41)

03 41 26 00-0001	Precast Beams, Girder And Joists <small>(03 41 26)</small>		
03 41 26 00-0002	Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0001)</small>		
	<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 26 00-0003	EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	501.07	400.92
03 41 26 00-0004	EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	536.23	428.93
03 41 26 00-0005	EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	573.10	458.48
03 41 26 00-0006	EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	615.41	492.35

03 41 26 00-0007	Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 26 00-0001)</small>		
	<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 26 00-0008	EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	634.24	507.35
03 41 26 00-0009	EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	678.75	543.04
03 41 26 00-0010	EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	725.41	580.33
03 41 26 00-0011	EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	778.97	623.13
03 41 26 00-0012	EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	847.20	677.82
03 41 26 00-0013	EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	921.15	736.87
03 41 26 00-0014	EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,018.12	814.49
03 41 26 00-0015	EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,126.85	901.53

03 41 26 00-0016	Material Cost <small>(03 41 26 00-0001)</small>		
	<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.</small>		

03 41 26 00-0017	1,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018	LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	169.07	
	<i>For 3,500 PSI Concrete, Add</i>	4.62	
	<i>For 4,000 PSI Concrete, Add</i>	6.93	
	<i>For 4,500 PSI Concrete, Add</i>	9.23	
	<i>For 5,000 PSI Concrete, Add</i>	13.86	
03 41 26 00-0019	LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	211.34	
	<i>For 3,500 PSI Concrete, Add</i>	5.77	
	<i>For 4,000 PSI Concrete, Add</i>	8.66	
	<i>For 4,500 PSI Concrete, Add</i>	11.54	
	<i>For 5,000 PSI Concrete, Add</i>	17.33	
03 41 26 00-0020	LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	253.61	
	<i>For 3,500 PSI Concrete, Add</i>	6.92	
	<i>For 4,000 PSI Concrete, Add</i>	10.40	
	<i>For 4,500 PSI Concrete, Add</i>	13.85	
	<i>For 5,000 PSI Concrete, Add</i>	20.80	

03 41 26 00-0021	3,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022	LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	211.34	
	<i>For 3,500 PSI Concrete, Add</i>	5.77	
	<i>For 4,000 PSI Concrete, Add</i>	8.66	
	<i>For 4,500 PSI Concrete, Add</i>	11.54	
	<i>For 5,000 PSI Concrete, Add</i>	17.33	
03 41 26 00-0023	LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	253.61	
	<i>For 3,500 PSI Concrete, Add</i>	6.92	
	<i>For 4,000 PSI Concrete, Add</i>	10.40	
	<i>For 4,500 PSI Concrete, Add</i>	13.85	
	<i>For 5,000 PSI Concrete, Add</i>	20.80	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	338.15	
For 3,500 PSI Concrete, Add	9.23	
For 4,000 PSI Concrete, Add	13.86	
For 4,500 PSI Concrete, Add	18.46	
For 5,000 PSI Concrete, Add	27.73	
03 41 26 00-0025 5,000 LB/LF Live Load (03 41 26 00-0016)		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	295.88	
For 3,500 PSI Concrete, Add	8.08	
For 4,000 PSI Concrete, Add	12.13	
For 4,500 PSI Concrete, Add	16.16	
For 5,000 PSI Concrete, Add	24.26	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	338.15	
For 3,500 PSI Concrete, Add	9.23	
For 4,000 PSI Concrete, Add	13.86	
For 4,500 PSI Concrete, Add	18.46	
For 5,000 PSI Concrete, Add	27.73	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	422.68	
For 3,500 PSI Concrete, Add	11.54	
For 4,000 PSI Concrete, Add	17.33	
For 4,500 PSI Concrete, Add	23.08	
For 5,000 PSI Concrete, Add	34.66	
03 41 26 00-0029 Precast Concrete Columns (03 41 26)		
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	290.16	232.10
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	308.50	246.75
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	330.63	264.52
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	354.65	283.72
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	382.43	305.89
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	414.94	331.95
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	453.48	362.81
03 41 26 00-0038 Material Cost (03 41 26 00-0029)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039 12" x 12" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	875.09	
For 3,500 PSI Concrete, Add	65.63	
For 4,000 PSI Concrete, Add	123.39	
For 4,500 PSI Concrete, Add	182.02	
For 5,000 PSI Concrete, Add	247.65	
03 41 26 00-0041 16" x 16" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	896.70	
For 3,500 PSI Concrete, Add	67.25	
For 4,000 PSI Concrete, Add	126.43	
For 4,500 PSI Concrete, Add	186.51	
For 5,000 PSI Concrete, Add	253.77	
03 41 26 00-0043 20" x 20" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	898.43	
For 3,500 PSI Concrete, Add	67.38	
For 4,000 PSI Concrete, Add	126.68	
For 4,500 PSI Concrete, Add	186.87	
For 5,000 PSI Concrete, Add	254.26	
03 41 26 00-0045 24" x 24" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	898.43	
For 3,500 PSI Concrete, Add	67.38	
For 4,000 PSI Concrete, Add	126.68	
For 4,500 PSI Concrete, Add	186.87	
For 5,000 PSI Concrete, Add	254.26	
03 41 26 00-0047 28" x 28" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	898.43	
For 3,500 PSI Concrete, Add	67.38	
For 4,000 PSI Concrete, Add	126.68	
For 4,500 PSI Concrete, Add	186.87	
For 5,000 PSI Concrete, Add	254.26	
03 41 26 00-0049 32" x 32" Column, Square, Tied (03 41 26 00-0038)		

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	896.70	
For 3,500 PSI Concrete, Add	67.25	
For 4,000 PSI Concrete, Add	126.43	
For 4,500 PSI Concrete, Add	186.51	
For 5,000 PSI Concrete, Add	253.77	
03 41 26 00-0051 36" x 36" Column, Square, Tied (03 41 26 00-0038)		
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	898.43	
For 3,500 PSI Concrete, Add	67.38	
For 4,000 PSI Concrete, Add	126.68	
For 4,500 PSI Concrete, Add	186.87	
For 5,000 PSI Concrete, Add	254.26	
03 41 33 Precast Structural Pretensioned Concrete (03 41)		
03 41 33 00-0001 Slabs, Roof And Floor Members (03 41 33)		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	17.92	2.37
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	22.33	2.37
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	26.75	2.48
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	31.17	2.60
03 41 33 00-0006 Tee Members (03 41 33)		
03 41 33 00-0007 Multiple Tee, Roof And Floor (03 41 33 00-0006)		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	40.21	3.08
03 41 33 00-0009 Double Tee Wall Member (03 41 33 00-0006)		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span	57.01	8.39
03 41 33 00-0011 Single Tee, Short Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	47.31	5.08
03 41 33 00-0013 Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	56.74	4.37
03 41 33 00-0015 Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016 Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof	29.09	0.95
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor	30.36	0.95
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members, 60' Span	48.37	0.82
03 41 33 00-0021 SF Tees, Double Tee, Floor Members, 80' Span	66.58	0.82
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	33.02	1.42
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	51.13	0.95
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High	35.79	1.89
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	57.25	2.13
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	66.29	1.30
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	87.69	1.18
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	92.34	1.18
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	14,798.79	340.44
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	16,114.26	378.27
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	26,953.20	425.55
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	5,798.03	309.59
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	7,612.19	340.44
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	9,725.90	340.44
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	10,829.99	378.27
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	13,848.22	425.55
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	24,915.77	486.55
03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	11,628.23	340.44
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	15,268.77	378.27
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	25,050.86	425.55



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	7,784.91	309.59
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,204.03	340.44
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,091.79	340.44
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	9,350.40	378.27
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	12,368.62	425.55
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	21,322.47	486.55
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	30.74	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	32.00	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	33.49	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	34.61	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	36.99	
03 41 33 00-0056 Double And Single Tees (03 41 33)		
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	37.15	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	36.28	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	34.25	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	37.15	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	37.04	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	56.94	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	55.69	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	52.13	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	56.94	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	53.40	
03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	38.29	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	37.42	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	36.15	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	38.29	
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	37.04	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	58.46	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	57.21	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	55.18	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	58.46	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	56.83	
03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	40.37	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	39.11	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	37.82	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	62.05	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	60.03	
03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	57.61	
03 48 Precast Concrete Specialties (03 40)		
03 48 16 Precast Concrete Splash Blocks (03 48)		
03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)		
03 48 16 00-0002 EA Precast Concrete Splash Blocks, 20" x 12" x 3"	39.67	4.05
03 48 21 Precast Concrete Handrails (03 48)		
03 48 21 00-0001 Installation Cost (03 48 21)		
Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail	162.49	73.15
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail	194.88	87.66
03 48 21 00-0004 Material Cost (03 48 21)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,339.77	
For 3,500 PSI Concrete, Add	217.92	
For 4,000 PSI Concrete, Add	409.46	
For 4,500 PSI Concrete, Add	601.83	
For 5,000 PSI Concrete, Add	818.74	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,466.59	
For 3,500 PSI Concrete, Add	226.20	
For 4,000 PSI Concrete, Add	425.00	
For 4,500 PSI Concrete, Add	624.68	
For 5,000 PSI Concrete, Add	849.83	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 48 21 00-0007	CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail..... <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	3,593.42 234.47 440.55 647.53 880.93	
03 48 21 00-0008	CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail..... <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	3,762.52 245.50 461.28 678.01 922.38	
03 48 22 Precast Concrete Sun Screen and Trellis (03 48)			
03 48 22 00-0001	Sun Screen Blades (03 48 22)		
03 48 22 00-0002	Installation Cost (03 48 22 00-0001) Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA Install Precast Sun Screen Blade, 0-1 Ton/Each	81.25	36.57
03 48 22 00-0004	EA Install Precast Sun Screen Blade, 1-2 Ton/Each	97.60	43.89
03 48 22 00-0005	EA Install Precast Sun Screen Blade, 2-3 Ton/Each	121.96	54.92
03 48 22 00-0006	Material Cost (03 48 22 00-0001) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0007	CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,551.14 231.71 435.37 639.92 870.56	
03 48 22 00-0008	CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,677.97 239.99 450.92 662.77 901.65	
03 48 22 00-0009	CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,847.07 251.02 471.65 693.24 943.11	
03 48 22 00-0010	CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,016.17 262.06 492.38 723.71 984.56	
03 48 22 00-0011	Sun Screen/Trellis Units (03 48 22)		
03 48 22 00-0012	Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011) Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	377.95	170.05
03 48 22 00-0014	EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	422.76	190.30
03 48 22 00-0015	EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	479.62	215.80
03 48 22 00-0016	EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	512.60	230.66
03 48 22 00-0017	Material Cost (03 48 22 00-0011) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,100.73 267.57 502.75 738.95 1,005.29	
03 48 22 00-0019	CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,227.55 275.85 518.30 761.80 1,036.38	
03 48 22 00-0020	CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,396.65 286.88 539.03 792.28 1,077.84	
03 48 22 00-0021	CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades	4,608.03 300.67 564.94 830.37 1,129.66	
03 48 24 Precast Minaret Segments (03 48)			
03 48 24 00-0001	Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	367.78	294.22
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	412.14	329.73
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	465.99	372.79
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	497.06	397.65
03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	388.70	311.01
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	436.25	348.95
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	494.07	395.21
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	529.13	423.27
03 48 24 00-0012 Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	745.59	596.53
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	901.27	720.96
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,000.18	800.15
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,123.49	898.83
03 48 24 00-0017 Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	408.03	326.40
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	455.64	364.46
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	519.08	415.20
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	554.15	443.27
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	372.14	297.71
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	417.03	333.64
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	471.52	377.21
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	502.96	402.36
03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	393.31	314.70
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	441.42	353.09
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	499.93	399.90
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	535.40	428.29
03 48 24 00-0033 Platform Segment (03 48 24 00-0022)		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	601.36	481.07
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	727.96	582.34
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	805.71	644.58
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	911.96	729.51
03 48 24 00-0038 Cap Segment (03 48 24 00-0022)		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	412.87	330.27
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	461.04	368.78
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	525.23	420.12
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	560.72	448.52
03 48 24 00-0043 Material Costs (03 48 24)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete	10,145.56	
Note: Including Post Tension Cost		
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete	10,145.56	
Note: Including Post Tension Cost		
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete	10,145.56	
Note: Including Post Tension Cost		
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete	10,145.56	
Note: Including Post Tension Cost		
03 48 29 Precast Accessories (03 48)		
Note: Includes installation labor, material and equipment.		
03 48 29 00-0001 Bearing Pads For Precast Members (03 48 29)		
03 48 29 00-0002 Continuous 2" Wide Strips (03 48 29 00-0001)		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.41	
Note: For precast members		

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

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	1.99	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	3.26	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	4.55	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	5.92	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	8.48	
03 48 29 00-0009		Bearing Pad Pipe Supports (03 48 29)		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes.....	91.48	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	58.65	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support.....	10.14	
03 48 46		Precast Skylight Shells (03 48)		
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane (03 48 46) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....	536.23	241.33
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....	595.43	267.96
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....	669.31	301.20
03 48 46 00-0005		Material Cost (03 48 46) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,244.58	
03 48 49		Precast Landings (03 48)		
03 48 49 00-0001	SF	3" Thick Precast Landing	105.31	
03 48 49 00-0002	SF	4" Thick Precast Landing	122.84	
03 48 49 00-0003	SF	5" Thick Precast Landing	139.50	
03 48 49 00-0004	SF	6" Thick Precast Landing	160.82	
03 48 54		Precast Concrete Blocks (03 48)		
03 48 54 00-0001		Precast Interlocking Concrete Blocks (03 48 54) Note: Includes lifting loop		
03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	150.35	44.11
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	179.50	49.62
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	208.63	55.14
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	282.24	60.66
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	339.32	66.17
03 50 Cast Decks and Underlayment (03)				
03 51 Cast Roof Decks (03 50)				
03 51 13 Cementitious Wood Fiber Decks (03 51)				
03 51 13 00-0001		Cement Fiber Tongue And Groove Planks (03 51 13)		
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.93	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.08	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.28	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.81	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.41	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.09	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.91	
03 51 16 Gypsum Concrete Roof Decks (03 51)				
03 51 16 00-0001		Class A Gypsum Fill Concrete Deck (03 51 16)		
03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	11.71	0.60
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	14.52	0.70
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	17.34	0.79
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	20.18	0.89
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	23.05	1.00
03 51 16 00-0007		Form Board For Lightweight Deck (03 51 16)		
03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.25	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	2.92	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	5.79	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.48	0.65



Concrete	03	03
Cast Decks and Underlayment	03 50	
Cast Roof Decks	03 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck.....	2.98	0.65
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck.....	3.24	0.65
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck.....	3.98	0.65

03 51 16 00-0015 Gypsum Plank (03 51 16)

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	4.03	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck.....	5.25	

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping (03 53)

03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.53	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.87	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	6.08	

03 53 19 Concrete Overlayment (03 53)

03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.69	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.00	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.50	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.14	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.84	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.96	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.53	

03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors.....	1.69	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.15	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	2.86	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.15	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors.....	3.64	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.15	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	5.20	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.15	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors.....	6.13	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.15	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	7.59	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.18	
		For >100 To 250 SF, Add	0.09	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors.....	9.92	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.18	
		For >100 To 250 SF, Add	0.09	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	13.07	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	14.64	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	19.43	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.25	
		For >100 To 250 SF, Add	0.13	

03	03 Concrete
	03 60 Grouting
	03 54 Cast Underlayment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 60 Grouting (03)

03 61 Cementitious Grouting (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout (03 61)

03 61 16 00-0001	Cementitious Flowable Grout	<small>(03 61 16)</small>	
03 61 16 00-0002	CY	Cementitious Flowable Grout.....	462.79

03 62 Non-Shrink Grouting (03 60)

03 62 13 Non-Metallic Non-Shrink Grouting (03 62)

03 62 13 00-0001	Fluid Type, Non-Metallic Non-Shrink Grouting For Bases	<small>(03 62 13)</small>	
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	27.09
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	39.71

03 62 13 00-0004	Non-Metallic Non-Shrink Grouting For Bases	<small>(03 62 13)</small>	
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	41.34
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	65.75

03 62 13 00-0007	Non-Metallic Non-Shrink Grouting For Joints	<small>(03 62 13)</small>	
03 62 13 00-0008	1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints	<small>(03 62 13 00-0007)</small>	
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.15
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.81
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.73

03 62 13 00-0012	1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints	<small>(03 62 13 00-0007)</small>	
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.17
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.19
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.58

03 62 16 Metallic Non-Shrink Grouting (03 62)

03 62 16 00-0001	Metallic Non-Shrink Grouting For Bases	<small>(03 62 16)</small>	
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	35.38
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	54.21

03 62 16 00-0004	Metallic Non-Shrink Grouting For Joints	<small>(03 62 16)</small>	
03 62 16 00-0005	1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints	<small>(03 62 16 00-0004)</small>	
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.78
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.25
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.00

03 62 16 00-0009	1" Joint Thickness, Metallic Non-Shrink Grout For Joints	<small>(03 62 16 00-0004)</small>	
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.44
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.07
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.11

03 63 Epoxy Grouting (03 60)

03 63 00 00-0001 Spray On Concrete Epoxy Grout (03 63)

Note: (Sika 224) per thickness per coat.

03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.17
		<i>For Color, Add</i>	1.10
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	5.79
		<i>For Color, Add</i>	1.65
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.43
		<i>For Color, Add</i>	2.20
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	8.90
		<i>For Color, Add</i>	2.76
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	10.39
		<i>For Color, Add</i>	3.31
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	13.45
		<i>For Color, Add</i>	4.42

03 64 Injection Grouting (03 60)

Note: By volume of void filled. Includes injection ports.



Concrete	03	03
Grouting	03 60	
Injection Grouting	03 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 64 23 Epoxy Injection Grouting <small>(03 64)</small>		
03 64 23 00-0001 Pressure Injected Epoxy Grout <small>(03 64 23)</small>		
03 64 23 00-0002 CF Pressure Injected Epoxy Grout	1,337.25	
<i>For >4, Deduct</i>		-141.43
03 64 26 Cementitious Injection Grouting <small>(03 64)</small>		
03 64 26 00-0001 Pressure Injected Cementitious Grout <small>(03 64 26)</small>		
03 64 26 00-0002 CF Pressure Injected Cementitious Grout	234.27	
<i>For >4, Deduct</i>		-60.68
03 80 Concrete Cutting and Boring <small>(03)</small>		
03 81 Concrete Cutting <small>(03 80)</small>		
03 81 13 Flat Concrete Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0001 for saw cutting.		
03 81 16 Track Mounted Concrete Wall Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0001 for saw cutting.		
03 82 Concrete Boring <small>(03 80)</small>		
03 82 13 Concrete Core Drilling <small>(03 82)</small>		
See CSI section 02 41 19 13-0024 for core drilling.		

END OF SECTION 03

03	03 Concrete
	03 80 Concrete Cutting and Boring
	03 82 Concrete Boring



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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

04 01 Maintenance of Masonry ⁽⁰⁴⁾

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

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

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

04 01 20 41-0001	Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)		
04 01 20 41-0002	Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)		
	Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.		
04 01 20 41-0003	304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)		
04 01 20 41-0004	EA 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		22.53
	For Up To 10, Add		10.89
	For >10 To 50, Add		5.45
04 01 20 41-0005	EA 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		31.66
	For Up To 10, Add		10.89
	For >10 To 50, Add		5.45
04 01 20 41-0006	EA 8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		41.57
	For Up To 10, Add		10.89
	For >10 To 50, Add		5.45
04 01 20 41-0007	316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)		
04 01 20 41-0008	EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		24.51
	For Up To 10, Add		10.89
	For >10 To 50, Add		5.45
04 01 20 41-0009	EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		35.17
	For Up To 10, Add		10.89
	For >10 To 50, Add		5.45
04 01 20 41-0010	EA 8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....		46.84
	For Up To 10, Add		10.89
	For >10 To 50, Add		5.45
04 01 20 41-0011	Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)		
	Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.		
04 01 20 41-0012	304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)		
04 01 20 41-0013	EA 4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		62.72
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78
04 01 20 41-0014	EA 4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		67.91
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78
04 01 20 41-0015	EA 4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitcing Masonry Cracks (Helifix® Helibar).....		188.21
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78
04 01 20 41-0016	EA 6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		62.72
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78
04 01 20 41-0017	EA 6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		67.91
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78
04 01 20 41-0018	EA 6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		73.81
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78
04 01 20 41-0019	EA 6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		84.89
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78
04 01 20 41-0020	EA 6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....		188.21
	For Up To 10, Add		43.56
	For >10 To 50, Add		21.78



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20	41-0021		316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <small>(04 01 20 41-0011)</small>		
04 01 20	41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.55	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.67	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	211.73	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.55	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.67	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.51	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	91.48	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	211.73	
			<i>For Up To 10, Add</i>	43.56	
			<i>For >10 To 50, Add</i>	21.78	
04 01 20	41-0030		Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0001)</small> Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20	41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>		
04 01 20	41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.55	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.48	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.41	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.34	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.27	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.19	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.55	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.48	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.41	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.34	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.27	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.12	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.55	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.41	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
04 01 20	41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.80	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 20 41-0047	316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>		
04 01 20 41-0048	EA 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.55	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0049	EA 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.48	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0050	EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.41	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0051	EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.34	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0052	EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.27	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0053	EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.19	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0054	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.55	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0055	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.48	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0056	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.41	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0057	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.34	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0058	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.27	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0059	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	17.12	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0060	EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.55	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0061	EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.41	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
04 01 20 41-0062	EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	14.80	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	

04 01 20 41-0063	Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0001)</small>		
	Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>		
04 01 20 41-0065	EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.36	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
	For Metal Stud Clip, Add	2.53	
04 01 20 41-0066	EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.70	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
	For Metal Stud Clip, Add	2.53	
04 01 20 41-0067	EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.76	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
	For Metal Stud Clip, Add	2.53	
04 01 20 41-0068	EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.90	
	For Up To 10, Add	6.53	
	For >10 To 50, Add	3.27	
	For Metal Stud Clip, Add	2.53	

04 Masonry
04 01 Maintenance of Masonry
04 01 20 Maintenance of Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.14	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.35	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.45	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.58	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.17	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.26	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.97	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.58	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.10	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.92	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.54	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.70	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.48	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.84	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.16	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.45	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.64	
			<i>For Up To 10, Add</i>	6.53	
			<i>For >10 To 50, Add</i>	3.27	
			<i>For Metal Stud Clip, Add</i>	2.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.77	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.98	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.07	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.49	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.09	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.59	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.23	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.65	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.56	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.53	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.26	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.47	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.61	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.71	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.01	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.48	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.66	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)		12.13	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)		10.81	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)		11.22	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)		11.51	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)		11.69	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)		11.82	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)		12.13	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)		4.96	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.			
		<i>For Up To 10, Add</i>		3.27	
		<i>For >10 To 50, Add</i>		1.64	
04 01 20 41-0111		316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>			
04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		9.89	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		10.31	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		10.39	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		10.56	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		10.87	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		11.12	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		11.25	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		11.42	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120 EA 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.03	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0121 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.14	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0122 EA 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.03	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0123 EA 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.78	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0124 EA 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.44	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0125 EA 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.71	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0126 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.56	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0127 EA 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.25	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0128 EA 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.11	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0129 EA 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.52	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0130 EA 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.92	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0131 EA 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.29	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0132 EA 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.52	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0133 EA 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.68	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0134 EA 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.95	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0135 EA 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.06	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0136 EA 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.55	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....		13.23	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....		13.85	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....		14.64	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....		18.91	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....		20.96	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....		24.68	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		11.10	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		11.34	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		11.50	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		11.63	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		12.00	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		12.60	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		12.79	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		13.38	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		11.70	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		12.21	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....		12.58	
		<i>For Up To 10, Add</i>		6.53	
		<i>For >10 To 50, Add</i>		3.27	
		<i>For Metal Stud Clip, Add</i>		2.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.81	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.97	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.35	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
<i>For Metal Stud Clip, Add</i>	2.53	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.37	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	3.27	
<i>For >10 To 50, Add</i>	1.64	
04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.07	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.11	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.35	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.42	
<i>For Up To 10, Add</i>	6.53	
<i>For >10 To 50, Add</i>	3.27	
04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie (04 01 20 41-0001)		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)		
(04 01 20 41-0165)		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	52.37	
<i>For Up To 10, Add</i>	43.56	
<i>For >10 To 50, Add</i>	21.78	
04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie)		
(04 01 20 41-0165)		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	53.67	
<i>For Up To 10, Add</i>	43.56	
<i>For >10 To 50, Add</i>	21.78	
04 01 20 41-0170 Unit Masonry Stabilization (04 01 20 41)		
04 01 20 41-0171 Repair Bulging Or Loose Masonry (04 01 20 41-0170)		
04 01 20 41-0172 SF Repair Bulging Or Loose Masonry Using Existing Masonry	86.38	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173 SF Repair Bulging Or Loose Masonry Using New Masonry	92.96	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51 Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall	4.06	
04 01 20 91 Unit Masonry Restoration (04 01 20)		

04	Masonry
04 01	Maintenance of Masonry
04 01 20	Maintenance of Unit Masonry



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 91-0001	Cut And Repoint Masonry <small>(04 01 20 91)</small>	
	Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.	
04 01 20 91-0002	SF Cut And Repoint, Hard Mortar, Running Bond, Brick.....	10.78
	For Common Bond, Add	0.41
	For Flemish Bond, Add	1.43
	For English Bond, Add	2.35
	For Oversized Or Larger Than Standard, Deduct	-1.62
	For >250 To 1,000, Deduct	-0.51
	For >1,000, Deduct	-1.05
04 01 20 91-0003	SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick.....	7.48
	For Common Bond, Add	0.28
	For Flemish Bond, Add	0.97
	For English Bond, Add	1.59
	For Oversized Or Larger Than Standard, Deduct	-1.12
	For >250 To 1,000, Deduct	-0.35
	For >1,000, Deduct	-0.72
04 01 20 91-0004	SF Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.53
	For Common Bond, Add	0.20
	For Oversized Or Larger Than Standard, Deduct	-0.83
	For >250 To 1,000, Deduct	-0.25
	For >1,000, Deduct	-0.53
04 01 20 91-0005	SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	3.94
	For Common Bond, Add	0.14
	For Oversized Or Larger Than Standard, Deduct	-0.59
	For >250 To 1,000, Deduct	-0.17
	For >1,000, Deduct	-0.37
04 01 20 91-0006	LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.17
04 01 20 91-0007	Repair Masonry <small>(04 01 20 91)</small>	
	Note: Includes mortar for repair.	
04 01 20 91-0008	SF Patch And Repair Terra Cotta Walls Or Coping.....	20.63
	Note: Including Replacement Of Damaged Material	
04 01 20 91-0009	SF Patch And Repair Terra Cotta Floors.....	19.20
	Note: Including Replacement Of Damaged Material	
04 01 20 91-0010	LF Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	4.97
04 01 20 91-0011	SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	8.00
04 01 20 91-0012	LF Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base).....	393.20
04 01 20 91-0013	LF Pressure Grout Block/Brick Master Builders RHEOCEM 900 (Portland Cement Base).....	112.18
04 01 20 91-0014	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570).....	35.11
	For Cracks Accessible From Both Sides, Add	7.13
04 01 20 91-0015	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	30.95
	For Cracks Accessible From Both Sides, Add	7.13
04 01 20 91-0016	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	8.32
	For V-Grooving Crack With Grinder, Add	5.93
04 01 20 91-0017	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	11.23
	For V-Grooving Crack With Grinder, Add	5.63

04 01 50 Maintenance of Refractory Masonry (04 01)

04 01 50 52 Refractory Masonry Cleaning (04 01 50)

04 01 50 52-0001 Chimney Cleaning (04 01 50 52)

04 01 50 52-0002	LF Up To 2 SF Cross Section Chimney Cleaning.....	7.20
04 01 50 52-0003	LF >2 To 4 SF Cross Section Chimney Cleaning.....	14.40
04 01 50 52-0004	LF >4 SF Cross Section Chimney Cleaning.....	21.60

04 05 Common Work Results for Masonry (04 05)

04 05 13 Masonry Mortaring (04 05)

04 05 13 26 Engineered Masonry Mortaring (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar (04 05 13 26)

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF Type M Masonry Cement 1:1:6 Mix.....	6.63
04 05 13 26-0003	CF Type N Masonry Cement 1:3 Mix.....	6.12
04 05 13 26-0004	CF Type O Masonry Cement 1:3 Mix.....	6.28
04 05 13 26-0005	CF Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	6.88
04 05 13 26-0006	CF Type S Masonry Cement 1/2:1:4 Mix.....	7.26

04 05 13 26-0007 Mortar Admixture (04 05 13 26)

04 05 13 26-0008	CF Water - Repellent Stearate - Cost Based On CF Of Mortar.....	0.41
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0009 CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.08	
04 05 13 26-0010 Color Admixtures For Mortar (04 05 13 26) Note: Costs are based on CF of mortar.		
04 05 13 26-0011 CF Buff Colored Admixture	2.57	
04 05 13 26-0012 CF Brown Colored Admixture	2.92	
04 05 13 26-0013 CF Black Colored Admixture	3.61	
04 05 13 26-0014 CF Red Colored Admixture	7.90	
04 05 13 26-0015 Portland Cement (04 05 13 26)		
04 05 13 26-0016 CF Normal Portland Cement (Type I)	13.69	
04 05 13 26-0017 CF Modified Portland Cement (Type II)	6.83	
04 05 13 26-0018 CF High Early Strength Portland Cement (Type III)	7.25	
04 05 13 26-0019 CF White Non-Staining Portland Cement (Type I)	15.17	
04 05 16 Masonry Grouting (04 05)		
04 05 16 26 Engineered Masonry Grouting (04 05 16) Note: Excludes reinforcement.		
04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill (04 05 16 26) Note: Excludes block.		
04 05 16 26-0002 LF Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	4.63	
04 05 16 26-0003 LF Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	5.04	
04 05 16 26-0004 LF Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	5.63	
04 05 16 26-0005 LF Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	6.27	
04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26) Note: Per SF of face area filled.		
04 05 16 26-0007 SF Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)	3.64	
04 05 16 26-0008 SF Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)	5.26	
04 05 16 26-0009 SF Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)	7.51	
04 05 16 26-0010 SF Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)	9.21	
04 05 16 26-0011 SF Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)	10.85	
04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26) Note: Per SF of face area filled.		
04 05 16 26-0013 SF Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)	4.25	
04 05 16 26-0014 SF Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)	5.98	
04 05 16 26-0015 SF Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)	7.50	
04 05 16 26-0016 SF Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	10.16	
04 05 16 26-0017 Grout Frames, Grout Fill (04 05 16 26)		
04 05 16 26-0018 LF Grout Door Frames - Grout Fill	6.68	
04 05 16 26-0019 LF Grout Window Frames - Grout Fill	5.71	
04 05 16 26-0020 Sand Filled Walls (04 05 16 26)		
04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020) Note: Per SF of face area filled.		
04 05 16 26-0022 SF Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	3.56	
04 05 16 26-0023 SF Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	4.91	
04 05 16 26-0024 SF Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	6.04	
04 05 16 26-0025 SF Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	8.04	
04 05 19 Masonry Anchorage and Reinforcing (04 05)		
04 05 19 13 Continuous Joint Reinforcing (04 05 19) Note: Includes cutting and bending.		
04 05 19 13-0001 Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0005 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	61.75	
For Hot-Dipped Galvanized, Add	9.51	
For Stainless Steel, Add	38.02	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	65.64	
For Hot-Dipped Galvanized, Add	9.99	
For Stainless Steel, Add	39.94	
04 05 19 13-0007 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	70.87	
For Hot-Dipped Galvanized, Add	10.53	
For Stainless Steel, Add	42.10	
04 05 19 13-0008 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	77.07	
For Hot-Dipped Galvanized, Add	11.14	
For Stainless Steel, Add	44.54	
04 05 19 13-0009 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.36	
For Hot-Dipped Galvanized, Add	11.74	
For Stainless Steel, Add	46.94	
04 05 19 13-0010 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.81	
For Hot-Dipped Galvanized, Add	12.03	
For Stainless Steel, Add	48.10	
04 05 19 13-0011 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.76	
For Hot-Dipped Galvanized, Add	12.36	
For Stainless Steel, Add	49.44	
04 05 19 13-0012 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.41	
For Hot-Dipped Galvanized, Add	16.99	
For Stainless Steel, Add	67.96	
04 05 19 13-0013 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.35	
For Hot-Dipped Galvanized, Add	26.27	
For Stainless Steel, Add	105.06	
04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0015 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	72.29	
For Hot-Dipped Galvanized, Add	14.78	
For Stainless Steel, Add	59.10	
04 05 19 13-0016 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	76.30	
For Hot-Dipped Galvanized, Add	15.32	
For Stainless Steel, Add	61.26	
04 05 19 13-0017 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	81.64	
For Hot-Dipped Galvanized, Add	15.91	
For Stainless Steel, Add	63.64	
04 05 19 13-0018 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.73	
For Hot-Dipped Galvanized, Add	16.47	
For Stainless Steel, Add	65.86	
04 05 19 13-0019 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.99	
For Hot-Dipped Galvanized, Add	17.05	
For Stainless Steel, Add	68.20	
04 05 19 13-0020 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.48	
For Hot-Dipped Galvanized, Add	17.37	
For Stainless Steel, Add	69.48	
04 05 19 13-0021 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.37	
For Hot-Dipped Galvanized, Add	17.66	
For Stainless Steel, Add	70.64	
04 05 19 13-0022 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.42	
For Hot-Dipped Galvanized, Add	24.00	
For Stainless Steel, Add	96.00	
04 05 19 13-0023 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	154.38	
For Hot-Dipped Galvanized, Add	38.29	
For Stainless Steel, Add	153.16	
04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0025 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	82.51	
For Hot-Dipped Galvanized, Add	19.89	
For Stainless Steel, Add	79.54	
04 05 19 13-0026 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.99	
For Hot-Dipped Galvanized, Add	20.98	
For Stainless Steel, Add	83.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0027 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.46	
<i>For Hot-Dipped Galvanized, Add</i>	22.07	
<i>For Stainless Steel, Add</i>	88.28	
04 05 19 13-0028 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.56	
<i>For Hot-Dipped Galvanized, Add</i>	23.38	
<i>For Stainless Steel, Add</i>	93.52	
04 05 19 13-0029 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.63	
<i>For Hot-Dipped Galvanized, Add</i>	24.68	
<i>For Stainless Steel, Add</i>	98.70	
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.51	
<i>For Hot-Dipped Galvanized, Add</i>	25.38	
<i>For Stainless Steel, Add</i>	101.50	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.45	
<i>For Hot-Dipped Galvanized, Add</i>	25.97	
<i>For Stainless Steel, Add</i>	103.88	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.77	
<i>For Hot-Dipped Galvanized, Add</i>	27.17	
<i>For Stainless Steel, Add</i>	108.66	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.08	
<i>For Hot-Dipped Galvanized, Add</i>	45.13	
<i>For Stainless Steel, Add</i>	180.52	
04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0035 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.03	
<i>For Hot-Dipped Galvanized, Add</i>	21.65	
<i>For Stainless Steel, Add</i>	86.58	
04 05 19 13-0036 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.90	
<i>For Hot-Dipped Galvanized, Add</i>	22.12	
<i>For Stainless Steel, Add</i>	88.46	
04 05 19 13-0037 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.13	
<i>For Hot-Dipped Galvanized, Add</i>	22.66	
<i>For Stainless Steel, Add</i>	90.62	
04 05 19 13-0038 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.33	
<i>For Hot-Dipped Galvanized, Add</i>	23.27	
<i>For Stainless Steel, Add</i>	93.06	
04 05 19 13-0039 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.62	
<i>For Hot-Dipped Galvanized, Add</i>	23.86	
<i>For Stainless Steel, Add</i>	95.44	
04 05 19 13-0040 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.07	
<i>For Hot-Dipped Galvanized, Add</i>	24.16	
<i>For Stainless Steel, Add</i>	96.62	
04 05 19 13-0041 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.01	
<i>For Hot-Dipped Galvanized, Add</i>	24.49	
<i>For Stainless Steel, Add</i>	97.94	
04 05 19 13-0042 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.67	
<i>For Hot-Dipped Galvanized, Add</i>	29.12	
<i>For Stainless Steel, Add</i>	116.46	
04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0044 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.56	
<i>For Hot-Dipped Galvanized, Add</i>	26.91	
<i>For Stainless Steel, Add</i>	107.64	
04 05 19 13-0045 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	100.58	
<i>For Hot-Dipped Galvanized, Add</i>	27.46	
<i>For Stainless Steel, Add</i>	109.82	
04 05 19 13-0046 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.92	
<i>For Hot-Dipped Galvanized, Add</i>	28.05	
<i>For Stainless Steel, Add</i>	112.20	
04 05 19 13-0047 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.01	
<i>For Hot-Dipped Galvanized, Add</i>	28.61	
<i>For Stainless Steel, Add</i>	114.42	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.27		
		<i>For Hot-Dipped Galvanized, Add</i>	29.19		
		<i>For Stainless Steel, Add</i>	116.74		
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.75		
		<i>For Hot-Dipped Galvanized, Add</i>	29.51		
		<i>For Stainless Steel, Add</i>	118.02		
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.64		
		<i>For Hot-Dipped Galvanized, Add</i>	29.80		
		<i>For Stainless Steel, Add</i>	119.18		
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.69		
		<i>For Hot-Dipped Galvanized, Add</i>	36.13		
		<i>For Stainless Steel, Add</i>	144.52		
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	178.65		
		<i>For Hot-Dipped Galvanized, Add</i>	50.43		
		<i>For Stainless Steel, Add</i>	201.70		
04 05 19 13-0053		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement			
		<small>(04 05 19 13-0003)</small>			
04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.77		
		<i>For Hot-Dipped Galvanized, Add</i>	32.02		
		<i>For Stainless Steel, Add</i>	128.06		
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.25		
		<i>For Hot-Dipped Galvanized, Add</i>	33.11		
		<i>For Stainless Steel, Add</i>	132.44		
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.73		
		<i>For Hot-Dipped Galvanized, Add</i>	34.21		
		<i>For Stainless Steel, Add</i>	136.82		
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.82		
		<i>For Hot-Dipped Galvanized, Add</i>	35.51		
		<i>For Stainless Steel, Add</i>	142.04		
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.90		
		<i>For Hot-Dipped Galvanized, Add</i>	36.81		
		<i>For Stainless Steel, Add</i>	147.24		
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.77		
		<i>For Hot-Dipped Galvanized, Add</i>	37.51		
		<i>For Stainless Steel, Add</i>	150.02		
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.71		
		<i>For Hot-Dipped Galvanized, Add</i>	38.10		
		<i>For Stainless Steel, Add</i>	152.40		
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.03		
		<i>For Hot-Dipped Galvanized, Add</i>	39.30		
		<i>For Stainless Steel, Add</i>	157.18		
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	192.34		
		<i>For Hot-Dipped Galvanized, Add</i>	57.26		
		<i>For Stainless Steel, Add</i>	229.04		
04 05 19 13-0063		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement			
		<small>(04 05 19 13-0003)</small>			
04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.29		
		<i>For Hot-Dipped Galvanized, Add</i>	33.78		
		<i>For Stainless Steel, Add</i>	135.10		
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.16		
		<i>For Hot-Dipped Galvanized, Add</i>	34.25		
		<i>For Stainless Steel, Add</i>	136.98		
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.39		
		<i>For Hot-Dipped Galvanized, Add</i>	34.79		
		<i>For Stainless Steel, Add</i>	139.14		
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.59		
		<i>For Hot-Dipped Galvanized, Add</i>	35.40		
		<i>For Stainless Steel, Add</i>	141.58		
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.89		
		<i>For Hot-Dipped Galvanized, Add</i>	36.00		
		<i>For Stainless Steel, Add</i>	143.98		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	138.33	
<i>For Hot-Dipped Galvanized, Add</i>	36.29	
<i>For Stainless Steel, Add</i>	145.14	
04 05 19 13-0070 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	142.27	
<i>For Hot-Dipped Galvanized, Add</i>	36.62	
<i>For Stainless Steel, Add</i>	146.46	
04 05 19 13-0071 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	155.94	
<i>For Hot-Dipped Galvanized, Add</i>	41.25	
<i>For Stainless Steel, Add</i>	165.00	
04 05 19 13-0072 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	178.86	
<i>For Hot-Dipped Galvanized, Add</i>	50.53	
<i>For Stainless Steel, Add</i>	202.10	
04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	120.83	
<i>For Hot-Dipped Galvanized, Add</i>	39.05	
<i>For Stainless Steel, Add</i>	156.18	
04 05 19 13-0075 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	124.84	
<i>For Hot-Dipped Galvanized, Add</i>	39.59	
<i>For Stainless Steel, Add</i>	158.34	
04 05 19 13-0076 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	130.18	
<i>For Hot-Dipped Galvanized, Add</i>	40.18	
<i>For Stainless Steel, Add</i>	160.72	
04 05 19 13-0077 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	136.27	
<i>For Hot-Dipped Galvanized, Add</i>	40.74	
<i>For Stainless Steel, Add</i>	162.94	
04 05 19 13-0078 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	143.54	
<i>For Hot-Dipped Galvanized, Add</i>	41.32	
<i>For Stainless Steel, Add</i>	165.28	
04 05 19 13-0079 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	149.01	
<i>For Hot-Dipped Galvanized, Add</i>	41.64	
<i>For Stainless Steel, Add</i>	166.54	
04 05 19 13-0080 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	152.91	
<i>For Hot-Dipped Galvanized, Add</i>	41.93	
<i>For Stainless Steel, Add</i>	167.72	
04 05 19 13-0081 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	169.96	
<i>For Hot-Dipped Galvanized, Add</i>	48.27	
<i>For Stainless Steel, Add</i>	193.06	
04 05 19 13-0082 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	202.92	
<i>For Hot-Dipped Galvanized, Add</i>	62.56	
<i>For Stainless Steel, Add</i>	250.24	
04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	131.03	
<i>For Hot-Dipped Galvanized, Add</i>	44.15	
<i>For Stainless Steel, Add</i>	176.58	
04 05 19 13-0085 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	136.51	
<i>For Hot-Dipped Galvanized, Add</i>	45.24	
<i>For Stainless Steel, Add</i>	180.96	
04 05 19 13-0086 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	141.99	
<i>For Hot-Dipped Galvanized, Add</i>	46.34	
<i>For Stainless Steel, Add</i>	185.34	
04 05 19 13-0087 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	150.08	
<i>For Hot-Dipped Galvanized, Add</i>	47.64	
<i>For Stainless Steel, Add</i>	190.56	
04 05 19 13-0088 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	158.17	
<i>For Hot-Dipped Galvanized, Add</i>	48.95	
<i>For Stainless Steel, Add</i>	195.78	
04 05 19 13-0089 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	165.03	
<i>For Hot-Dipped Galvanized, Add</i>	49.64	
<i>For Stainless Steel, Add</i>	198.54	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0090	CLF		#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.98	
			<i>For Hot-Dipped Galvanized, Add</i>	50.24	
			<i>For Stainless Steel, Add</i>	200.94	
04 05 19 13-0091	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.29	
			<i>For Hot-Dipped Galvanized, Add</i>	51.43	
			<i>For Stainless Steel, Add</i>	205.70	
04 05 19 13-0092	CLF		#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	216.61	
			<i>For Hot-Dipped Galvanized, Add</i>	69.40	
			<i>For Stainless Steel, Add</i>	277.58	
04 05 19 13-0093			Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0094			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0095	CLF		#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	87.80	
			<i>For Hot-Dipped Galvanized, Add</i>	16.16	
			<i>For Stainless Steel, Add</i>	64.64	
04 05 19 13-0096	CLF		#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	96.94	
			<i>For Hot-Dipped Galvanized, Add</i>	17.65	
			<i>For Stainless Steel, Add</i>	70.58	
04 05 19 13-0097	CLF		#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	105.72	
			<i>For Hot-Dipped Galvanized, Add</i>	18.96	
			<i>For Stainless Steel, Add</i>	75.82	
04 05 19 13-0098	CLF		#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	113.40	
			<i>For Hot-Dipped Galvanized, Add</i>	19.71	
			<i>For Stainless Steel, Add</i>	78.84	
04 05 19 13-0099	CLF		#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	117.88	
			<i>For Hot-Dipped Galvanized, Add</i>	20.41	
			<i>For Stainless Steel, Add</i>	81.64	
04 05 19 13-0100	CLF		#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	126.56	
			<i>For Hot-Dipped Galvanized, Add</i>	21.97	
			<i>For Stainless Steel, Add</i>	87.88	
04 05 19 13-0101	CLF		#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	134.05	
			<i>For Hot-Dipped Galvanized, Add</i>	23.25	
			<i>For Stainless Steel, Add</i>	93.00	
04 05 19 13-0102			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0103	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	100.93	
			<i>For Hot-Dipped Galvanized, Add</i>	22.73	
			<i>For Stainless Steel, Add</i>	90.90	
04 05 19 13-0104	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.10	
			<i>For Hot-Dipped Galvanized, Add</i>	24.23	
			<i>For Stainless Steel, Add</i>	96.90	
04 05 19 13-0105	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	118.73	
			<i>For Hot-Dipped Galvanized, Add</i>	25.46	
			<i>For Stainless Steel, Add</i>	101.84	
04 05 19 13-0106	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	126.56	
			<i>For Hot-Dipped Galvanized, Add</i>	26.29	
			<i>For Stainless Steel, Add</i>	105.16	
04 05 19 13-0107	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	131.01	
			<i>For Hot-Dipped Galvanized, Add</i>	26.98	
			<i>For Stainless Steel, Add</i>	107.90	
04 05 19 13-0108	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	139.69	
			<i>For Hot-Dipped Galvanized, Add</i>	28.54	
			<i>For Stainless Steel, Add</i>	114.14	
04 05 19 13-0109	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	147.36	
			<i>For Hot-Dipped Galvanized, Add</i>	29.91	
			<i>For Stainless Steel, Add</i>	119.62	
04 05 19 13-0110			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0111 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	107.31	
<i>For Hot-Dipped Galvanized, Add</i>	25.92	
<i>For Stainless Steel, Add</i>	103.66	
04 05 19 13-0112 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	117.99	
<i>For Hot-Dipped Galvanized, Add</i>	28.17	
<i>For Stainless Steel, Add</i>	112.68	
04 05 19 13-0113 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	128.58	
<i>For Hot-Dipped Galvanized, Add</i>	30.39	
<i>For Stainless Steel, Add</i>	121.54	
04 05 19 13-0114 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.10	
<i>For Hot-Dipped Galvanized, Add</i>	31.56	
<i>For Stainless Steel, Add</i>	126.24	
04 05 19 13-0115 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	142.34	
<i>For Hot-Dipped Galvanized, Add</i>	32.64	
<i>For Stainless Steel, Add</i>	130.56	
04 05 19 13-0116 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	152.50	
<i>For Hot-Dipped Galvanized, Add</i>	34.94	
<i>For Stainless Steel, Add</i>	139.76	
04 05 19 13-0117 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	161.94	
<i>For Hot-Dipped Galvanized, Add</i>	37.20	
<i>For Stainless Steel, Add</i>	148.78	
04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	123.15	
<i>For Hot-Dipped Galvanized, Add</i>	33.84	
<i>For Stainless Steel, Add</i>	135.34	
04 05 19 13-0121 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	131.38	
<i>For Hot-Dipped Galvanized, Add</i>	34.87	
<i>For Stainless Steel, Add</i>	139.46	
04 05 19 13-0122 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	139.64	
<i>For Hot-Dipped Galvanized, Add</i>	35.92	
<i>For Stainless Steel, Add</i>	143.66	
04 05 19 13-0123 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	151.22	
<i>For Hot-Dipped Galvanized, Add</i>	37.08	
<i>For Stainless Steel, Add</i>	148.32	
04 05 19 13-0124 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	159.11	
<i>For Hot-Dipped Galvanized, Add</i>	38.25	
<i>For Stainless Steel, Add</i>	152.98	
04 05 19 13-0125 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.59	
<i>For Hot-Dipped Galvanized, Add</i>	40.02	
<i>For Stainless Steel, Add</i>	160.08	
04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	143.73	
<i>For Hot-Dipped Galvanized, Add</i>	44.13	
<i>For Stainless Steel, Add</i>	176.50	
04 05 19 13-0128 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	152.00	
<i>For Hot-Dipped Galvanized, Add</i>	45.18	
<i>For Stainless Steel, Add</i>	180.70	
04 05 19 13-0129 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	160.52	
<i>For Hot-Dipped Galvanized, Add</i>	46.36	
<i>For Stainless Steel, Add</i>	185.42	
04 05 19 13-0130 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	171.83	
<i>For Hot-Dipped Galvanized, Add</i>	47.39	
<i>For Stainless Steel, Add</i>	189.54	
04 05 19 13-0131 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	179.75	
<i>For Hot-Dipped Galvanized, Add</i>	48.57	
<i>For Stainless Steel, Add</i>	194.26	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0132	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	187.04	
			<i>For Hot-Dipped Galvanized, Add</i>	49.75	
			<i>For Stainless Steel, Add</i>	198.98	
04 05 19 13-0133			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement^(04 05 19 13-0118)		
04 05 19 13-0134	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	145.25	
			<i>For Hot-Dipped Galvanized, Add</i>	44.89	
			<i>For Stainless Steel, Add</i>	179.54	
04 05 19 13-0135	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	154.65	
			<i>For Hot-Dipped Galvanized, Add</i>	46.50	
			<i>For Stainless Steel, Add</i>	186.00	
04 05 19 13-0136	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.01	
			<i>For Hot-Dipped Galvanized, Add</i>	48.10	
			<i>For Stainless Steel, Add</i>	192.40	
04 05 19 13-0137	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	177.13	
			<i>For Hot-Dipped Galvanized, Add</i>	50.04	
			<i>For Stainless Steel, Add</i>	200.14	
04 05 19 13-0138	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.54	
			<i>For Hot-Dipped Galvanized, Add</i>	51.96	
			<i>For Stainless Steel, Add</i>	207.84	
04 05 19 13-0139	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	195.28	
			<i>For Hot-Dipped Galvanized, Add</i>	53.87	
			<i>For Stainless Steel, Add</i>	215.46	
04 05 19 13-0140			Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement^(04 05 19 13-0002)		
04 05 19 13-0141			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement^(04 05 19 13-0140)		
04 05 19 13-0142	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	133.16	
			<i>For Hot-Dipped Galvanized, Add</i>	35.76	
			<i>For Stainless Steel, Add</i>	143.02	
04 05 19 13-0143	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	141.36	
			<i>For Hot-Dipped Galvanized, Add</i>	36.78	
			<i>For Stainless Steel, Add</i>	147.10	
04 05 19 13-0144	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	152.65	
			<i>For Hot-Dipped Galvanized, Add</i>	37.80	
			<i>For Stainless Steel, Add</i>	151.18	
04 05 19 13-0145	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	160.62	
			<i>For Hot-Dipped Galvanized, Add</i>	39.00	
			<i>For Stainless Steel, Add</i>	156.00	
04 05 19 13-0146	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	167.88	
			<i>For Hot-Dipped Galvanized, Add</i>	40.17	
			<i>For Stainless Steel, Add</i>	160.66	
04 05 19 13-0147	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	175.99	
			<i>For Hot-Dipped Galvanized, Add</i>	42.51	
			<i>For Stainless Steel, Add</i>	170.04	
04 05 19 13-0148			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement^(04 05 19 13-0140)		
04 05 19 13-0149	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	153.77	
			<i>For Hot-Dipped Galvanized, Add</i>	46.06	
			<i>For Stainless Steel, Add</i>	184.24	
04 05 19 13-0150	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	162.00	
			<i>For Hot-Dipped Galvanized, Add</i>	47.10	
			<i>For Stainless Steel, Add</i>	188.38	
04 05 19 13-0151	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	173.58	
			<i>For Hot-Dipped Galvanized, Add</i>	48.26	
			<i>For Stainless Steel, Add</i>	193.04	
04 05 19 13-0152	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	181.21	
			<i>For Hot-Dipped Galvanized, Add</i>	49.30	
			<i>For Stainless Steel, Add</i>	197.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0153 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	188.50	
<i>For Hot-Dipped Galvanized, Add</i>	50.48	
<i>For Stainless Steel, Add</i>	201.90	
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	196.87	
<i>For Hot-Dipped Galvanized, Add</i>	52.95	
<i>For Stainless Steel, Add</i>	211.80	
04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	155.23	
<i>For Hot-Dipped Galvanized, Add</i>	46.79	
<i>For Stainless Steel, Add</i>	187.16	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	164.62	
<i>For Hot-Dipped Galvanized, Add</i>	48.41	
<i>For Stainless Steel, Add</i>	193.62	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	177.13	
<i>For Hot-Dipped Galvanized, Add</i>	50.04	
<i>For Stainless Steel, Add</i>	200.14	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.54	
<i>For Hot-Dipped Galvanized, Add</i>	51.96	
<i>For Stainless Steel, Add</i>	207.84	
04 05 19 13-0160 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	195.28	
<i>For Hot-Dipped Galvanized, Add</i>	53.87	
<i>For Stainless Steel, Add</i>	215.46	
04 05 19 13-0161 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	204.17	
<i>For Hot-Dipped Galvanized, Add</i>	56.60	
<i>For Stainless Steel, Add</i>	226.40	
04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	126.38	
<i>For Hot-Dipped Galvanized, Add</i>	32.37	
<i>For Stainless Steel, Add</i>	129.46	
<i>For Seismic Hook And Eye, Add</i>	13.92	
04 05 19 13-0165 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	134.22	
<i>For Hot-Dipped Galvanized, Add</i>	33.21	
<i>For Stainless Steel, Add</i>	132.82	
<i>For Seismic Hook And Eye, Add</i>	14.28	
04 05 19 13-0166 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	145.28	
<i>For Hot-Dipped Galvanized, Add</i>	34.11	
<i>For Stainless Steel, Add</i>	136.44	
<i>For Seismic Hook And Eye, Add</i>	14.67	
04 05 19 13-0167 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	152.76	
<i>For Hot-Dipped Galvanized, Add</i>	35.07	
<i>For Stainless Steel, Add</i>	140.28	
<i>For Seismic Hook And Eye, Add</i>	15.08	
04 05 19 13-0168 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	159.70	
<i>For Hot-Dipped Galvanized, Add</i>	36.08	
<i>For Stainless Steel, Add</i>	144.30	
<i>For Seismic Hook And Eye, Add</i>	15.51	
04 05 19 13-0169 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.93	
<i>For Hot-Dipped Galvanized, Add</i>	36.98	
<i>For Stainless Steel, Add</i>	147.92	
<i>For Seismic Hook And Eye, Add</i>	15.90	
04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0171 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	145.71	
<i>For Hot-Dipped Galvanized, Add</i>	42.03	
<i>For Stainless Steel, Add</i>	168.12	
<i>For Seismic Hook And Eye, Add</i>	18.07	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0172	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	153.18	
			<i>For Hot-Dipped Galvanized, Add</i>	42.69	
			<i>For Stainless Steel, Add</i>	170.74	
			<i>For Seismic Hook And Eye, Add</i>	18.35	
04 05 19 13-0173	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.29	
			<i>For Hot-Dipped Galvanized, Add</i>	43.62	
			<i>For Stainless Steel, Add</i>	174.46	
			<i>For Seismic Hook And Eye, Add</i>	18.75	
04 05 19 13-0174	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	171.66	
			<i>For Hot-Dipped Galvanized, Add</i>	44.52	
			<i>For Stainless Steel, Add</i>	178.08	
			<i>For Seismic Hook And Eye, Add</i>	19.14	
04 05 19 13-0175	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	178.39	
			<i>For Hot-Dipped Galvanized, Add</i>	45.42	
			<i>For Stainless Steel, Add</i>	181.68	
			<i>For Seismic Hook And Eye, Add</i>	19.53	
04 05 19 13-0176	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	185.72	
			<i>For Hot-Dipped Galvanized, Add</i>	47.38	
			<i>For Stainless Steel, Add</i>	189.50	
			<i>For Seismic Hook And Eye, Add</i>	20.37	
04 05 19 13-0177			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0178	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	147.14	
			<i>For Hot-Dipped Galvanized, Add</i>	42.75	
			<i>For Stainless Steel, Add</i>	170.98	
			<i>For Seismic Hook And Eye, Add</i>	18.38	
04 05 19 13-0179	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	156.38	
			<i>For Hot-Dipped Galvanized, Add</i>	44.29	
			<i>For Stainless Steel, Add</i>	177.14	
			<i>For Seismic Hook And Eye, Add</i>	19.04	
04 05 19 13-0180	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	168.69	
			<i>For Hot-Dipped Galvanized, Add</i>	45.82	
			<i>For Stainless Steel, Add</i>	183.26	
			<i>For Seismic Hook And Eye, Add</i>	19.70	
04 05 19 13-0181	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	177.92	
			<i>For Hot-Dipped Galvanized, Add</i>	47.65	
			<i>For Stainless Steel, Add</i>	190.60	
			<i>For Seismic Hook And Eye, Add</i>	20.49	
04 05 19 13-0182	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.52	
			<i>For Hot-Dipped Galvanized, Add</i>	49.49	
			<i>For Stainless Steel, Add</i>	197.94	
			<i>For Seismic Hook And Eye, Add</i>	21.28	
04 05 19 13-0183	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	193.58	
			<i>For Hot-Dipped Galvanized, Add</i>	51.31	
			<i>For Stainless Steel, Add</i>	205.22	
			<i>For Seismic Hook And Eye, Add</i>	22.06	
04 05 19 13-0184			Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0185			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0186	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	136.38	
			<i>For Hot-Dipped Galvanized, Add</i>	34.29	
			<i>For Stainless Steel, Add</i>	137.14	
			<i>For Seismic Hook And Eye, Add</i>	14.74	
04 05 19 13-0187	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	147.29	
			<i>For Hot-Dipped Galvanized, Add</i>	35.12	
			<i>For Stainless Steel, Add</i>	140.46	
			<i>For Seismic Hook And Eye, Add</i>	15.10	
04 05 19 13-0188	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	154.51	
			<i>For Hot-Dipped Galvanized, Add</i>	35.95	
			<i>For Stainless Steel, Add</i>	143.78	
			<i>For Seismic Hook And Eye, Add</i>	15.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0189 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	161.56	
<i>For Hot-Dipped Galvanized, Add</i>	37.01	
<i>For Stainless Steel, Add</i>	148.02	
<i>For Seismic Hook And Eye, Add</i>	15.91	
04 05 19 13-0190 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	166.91	
<i>For Hot-Dipped Galvanized, Add</i>	37.97	
<i>For Stainless Steel, Add</i>	151.88	
<i>For Seismic Hook And Eye, Add</i>	16.33	
04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	155.01	
<i>For Hot-Dipped Galvanized, Add</i>	43.60	
<i>For Stainless Steel, Add</i>	174.40	
<i>For Seismic Hook And Eye, Add</i>	18.75	
04 05 19 13-0193 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	166.07	
<i>For Hot-Dipped Galvanized, Add</i>	44.51	
<i>For Stainless Steel, Add</i>	178.02	
<i>For Seismic Hook And Eye, Add</i>	19.14	
04 05 19 13-0194 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	173.55	
<i>For Hot-Dipped Galvanized, Add</i>	45.47	
<i>For Stainless Steel, Add</i>	181.86	
<i>For Seismic Hook And Eye, Add</i>	19.55	
04 05 19 13-0195 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	180.02	
<i>For Hot-Dipped Galvanized, Add</i>	46.24	
<i>For Stainless Steel, Add</i>	184.94	
<i>For Seismic Hook And Eye, Add</i>	19.88	
04 05 19 13-0196 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	185.54	
<i>For Hot-Dipped Galvanized, Add</i>	47.29	
<i>For Stainless Steel, Add</i>	189.14	
<i>For Seismic Hook And Eye, Add</i>	20.33	
04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	156.94	
<i>For Hot-Dipped Galvanized, Add</i>	44.57	
<i>For Stainless Steel, Add</i>	178.26	
<i>For Seismic Hook And Eye, Add</i>	19.16	
04 05 19 13-0199 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	169.27	
<i>For Hot-Dipped Galvanized, Add</i>	46.11	
<i>For Stainless Steel, Add</i>	184.42	
<i>For Seismic Hook And Eye, Add</i>	19.83	
04 05 19 13-0200 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	177.92	
<i>For Hot-Dipped Galvanized, Add</i>	47.65	
<i>For Stainless Steel, Add</i>	190.60	
<i>For Seismic Hook And Eye, Add</i>	20.49	
04 05 19 13-0201 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	186.52	
<i>For Hot-Dipped Galvanized, Add</i>	49.49	
<i>For Stainless Steel, Add</i>	197.94	
<i>For Seismic Hook And Eye, Add</i>	21.28	
04 05 19 13-0202 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	193.58	
<i>For Hot-Dipped Galvanized, Add</i>	51.31	
<i>For Stainless Steel, Add</i>	205.22	
<i>For Seismic Hook And Eye, Add</i>	22.06	
04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	69.70	
<i>For Hot-Dipped Galvanized, Add</i>	13.48	
<i>For Stainless Steel, Add</i>	53.92	
04 05 19 13-0207 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	72.92	
<i>For Hot-Dipped Galvanized, Add</i>	13.63	
<i>For Stainless Steel, Add</i>	54.50	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		78.15	
		<i>For Hot-Dipped Galvanized, Add</i>		14.17	
		<i>For Stainless Steel, Add</i>		56.66	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		84.53	
		<i>For Hot-Dipped Galvanized, Add</i>		14.87	
		<i>For Stainless Steel, Add</i>		59.46	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		92.19	
		<i>For Hot-Dipped Galvanized, Add</i>		15.65	
		<i>For Stainless Steel, Add</i>		62.60	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		97.90	
		<i>For Hot-Dipped Galvanized, Add</i>		16.07	
		<i>For Stainless Steel, Add</i>		64.28	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		101.88	
		<i>For Hot-Dipped Galvanized, Add</i>		16.69	
		<i>For Stainless Steel, Add</i>		66.74	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		120.30	
		<i>For Hot-Dipped Galvanized, Add</i>		23.44	
		<i>For Stainless Steel, Add</i>		93.76	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		127.36	
		<i>For Hot-Dipped Galvanized, Add</i>		24.78	
		<i>For Stainless Steel, Add</i>		99.12	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		169.02	
		<i>For Hot-Dipped Galvanized, Add</i>		42.86	
		<i>For Stainless Steel, Add</i>		171.44	
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>			
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		80.13	
		<i>For Hot-Dipped Galvanized, Add</i>		18.70	
		<i>For Stainless Steel, Add</i>		74.78	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		83.58	
		<i>For Hot-Dipped Galvanized, Add</i>		18.96	
		<i>For Stainless Steel, Add</i>		75.82	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		88.81	
		<i>For Hot-Dipped Galvanized, Add</i>		19.50	
		<i>For Stainless Steel, Add</i>		77.98	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		95.16	
		<i>For Hot-Dipped Galvanized, Add</i>		20.18	
		<i>For Stainless Steel, Add</i>		80.72	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		102.67	
		<i>For Hot-Dipped Galvanized, Add</i>		20.89	
		<i>For Stainless Steel, Add</i>		83.56	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		108.51	
		<i>For Hot-Dipped Galvanized, Add</i>		21.39	
		<i>For Stainless Steel, Add</i>		85.54	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		112.33	
		<i>For Hot-Dipped Galvanized, Add</i>		21.91	
		<i>For Stainless Steel, Add</i>		87.64	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		134.33	
		<i>For Hot-Dipped Galvanized, Add</i>		30.46	
		<i>For Stainless Steel, Add</i>		121.82	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		141.39	
		<i>For Hot-Dipped Galvanized, Add</i>		31.80	
		<i>For Stainless Steel, Add</i>		127.18	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		197.93	
		<i>For Hot-Dipped Galvanized, Add</i>		60.07	
		<i>For Stainless Steel, Add</i>		240.26	
04 05 19 13-0227		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>			
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		96.08	
		<i>For Hot-Dipped Galvanized, Add</i>		26.67	
		<i>For Stainless Steel, Add</i>		106.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0229 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.04	
<i>For Hot-Dipped Galvanized, Add</i>	27.01	
<i>For Stainless Steel, Add</i>	108.02	
04 05 19 13-0230 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.31	
<i>For Hot-Dipped Galvanized, Add</i>	28.00	
<i>For Stainless Steel, Add</i>	111.98	
04 05 19 13-0231 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.50	
<i>For Hot-Dipped Galvanized, Add</i>	29.35	
<i>For Stainless Steel, Add</i>	117.40	
04 05 19 13-0232 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.36	
<i>For Hot-Dipped Galvanized, Add</i>	31.04	
<i>For Stainless Steel, Add</i>	124.16	
04 05 19 13-0233 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.38	
<i>For Hot-Dipped Galvanized, Add</i>	31.81	
<i>For Stainless Steel, Add</i>	127.24	
04 05 19 13-0234 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.43	
<i>For Hot-Dipped Galvanized, Add</i>	32.96	
<i>For Stainless Steel, Add</i>	131.84	
04 05 19 13-0235 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	165.97	
<i>For Hot-Dipped Galvanized, Add</i>	46.27	
<i>For Stainless Steel, Add</i>	185.06	
04 05 19 13-0236 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	175.59	
<i>For Hot-Dipped Galvanized, Add</i>	48.89	
<i>For Stainless Steel, Add</i>	195.54	
04 05 19 13-0237 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	252.35	
<i>For Hot-Dipped Galvanized, Add</i>	84.53	
<i>For Stainless Steel, Add</i>	338.10	
04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0239 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	86.03	
<i>For Hot-Dipped Galvanized, Add</i>	21.65	
<i>For Stainless Steel, Add</i>	86.58	
04 05 19 13-0240 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	89.90	
<i>For Hot-Dipped Galvanized, Add</i>	22.12	
<i>For Stainless Steel, Add</i>	88.46	
04 05 19 13-0241 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.13	
<i>For Hot-Dipped Galvanized, Add</i>	22.66	
<i>For Stainless Steel, Add</i>	90.62	
04 05 19 13-0242 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.33	
<i>For Hot-Dipped Galvanized, Add</i>	23.27	
<i>For Stainless Steel, Add</i>	93.06	
04 05 19 13-0243 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.62	
<i>For Hot-Dipped Galvanized, Add</i>	23.86	
<i>For Stainless Steel, Add</i>	95.44	
04 05 19 13-0244 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.07	
<i>For Hot-Dipped Galvanized, Add</i>	24.16	
<i>For Stainless Steel, Add</i>	96.62	
04 05 19 13-0245 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.01	
<i>For Hot-Dipped Galvanized, Add</i>	24.49	
<i>For Stainless Steel, Add</i>	97.94	
04 05 19 13-0246 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.67	
<i>For Hot-Dipped Galvanized, Add</i>	29.12	
<i>For Stainless Steel, Add</i>	116.46	
04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0248 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.56	
<i>For Hot-Dipped Galvanized, Add</i>	26.91	
<i>For Stainless Steel, Add</i>	107.64	
04 05 19 13-0249 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.58	
<i>For Hot-Dipped Galvanized, Add</i>	27.46	
<i>For Stainless Steel, Add</i>	109.82	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.92		
		<i>For Hot-Dipped Galvanized, Add</i>	28.05		
		<i>For Stainless Steel, Add</i>	112.20		
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.01		
		<i>For Hot-Dipped Galvanized, Add</i>	28.61		
		<i>For Stainless Steel, Add</i>	114.42		
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.27		
		<i>For Hot-Dipped Galvanized, Add</i>	29.19		
		<i>For Stainless Steel, Add</i>	116.74		
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.75		
		<i>For Hot-Dipped Galvanized, Add</i>	29.51		
		<i>For Stainless Steel, Add</i>	118.02		
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.64		
		<i>For Hot-Dipped Galvanized, Add</i>	29.80		
		<i>For Stainless Steel, Add</i>	119.18		
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.69		
		<i>For Hot-Dipped Galvanized, Add</i>	36.13		
		<i>For Stainless Steel, Add</i>	144.52		
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	178.65		
		<i>For Hot-Dipped Galvanized, Add</i>	50.43		
		<i>For Stainless Steel, Add</i>	201.70		
04 05 19 13-0257		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>			
04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.77		
		<i>For Hot-Dipped Galvanized, Add</i>	32.02		
		<i>For Stainless Steel, Add</i>	128.06		
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.25		
		<i>For Hot-Dipped Galvanized, Add</i>	33.11		
		<i>For Stainless Steel, Add</i>	132.44		
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.73		
		<i>For Hot-Dipped Galvanized, Add</i>	34.21		
		<i>For Stainless Steel, Add</i>	136.82		
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.82		
		<i>For Hot-Dipped Galvanized, Add</i>	35.51		
		<i>For Stainless Steel, Add</i>	142.04		
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.90		
		<i>For Hot-Dipped Galvanized, Add</i>	36.81		
		<i>For Stainless Steel, Add</i>	147.24		
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.77		
		<i>For Hot-Dipped Galvanized, Add</i>	37.51		
		<i>For Stainless Steel, Add</i>	150.02		
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.71		
		<i>For Hot-Dipped Galvanized, Add</i>	38.10		
		<i>For Stainless Steel, Add</i>	152.40		
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.03		
		<i>For Hot-Dipped Galvanized, Add</i>	39.30		
		<i>For Stainless Steel, Add</i>	157.18		
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	192.34		
		<i>For Hot-Dipped Galvanized, Add</i>	57.26		
		<i>For Stainless Steel, Add</i>	229.04		
04 05 19 13-0267		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>			
04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.29		
		<i>For Hot-Dipped Galvanized, Add</i>	33.78		
		<i>For Stainless Steel, Add</i>	135.10		
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.16		
		<i>For Hot-Dipped Galvanized, Add</i>	34.25		
		<i>For Stainless Steel, Add</i>	136.98		
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.39		
		<i>For Hot-Dipped Galvanized, Add</i>	34.79		
		<i>For Stainless Steel, Add</i>	139.14		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.59	
<i>For Hot-Dipped Galvanized, Add</i>	35.40	
<i>For Stainless Steel, Add</i>	141.58	
04 05 19 13-0272 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.89	
<i>For Hot-Dipped Galvanized, Add</i>	36.00	
<i>For Stainless Steel, Add</i>	143.98	
04 05 19 13-0273 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.33	
<i>For Hot-Dipped Galvanized, Add</i>	36.29	
<i>For Stainless Steel, Add</i>	145.14	
04 05 19 13-0274 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.27	
<i>For Hot-Dipped Galvanized, Add</i>	36.62	
<i>For Stainless Steel, Add</i>	146.46	
04 05 19 13-0275 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	155.94	
<i>For Hot-Dipped Galvanized, Add</i>	41.25	
<i>For Stainless Steel, Add</i>	165.00	
04 05 19 13-0276 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	178.86	
<i>For Hot-Dipped Galvanized, Add</i>	50.53	
<i>For Stainless Steel, Add</i>	202.10	
04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.83	
<i>For Hot-Dipped Galvanized, Add</i>	39.05	
<i>For Stainless Steel, Add</i>	156.18	
04 05 19 13-0279 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.84	
<i>For Hot-Dipped Galvanized, Add</i>	39.59	
<i>For Stainless Steel, Add</i>	158.34	
04 05 19 13-0280 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.18	
<i>For Hot-Dipped Galvanized, Add</i>	40.18	
<i>For Stainless Steel, Add</i>	160.72	
04 05 19 13-0281 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.27	
<i>For Hot-Dipped Galvanized, Add</i>	40.74	
<i>For Stainless Steel, Add</i>	162.94	
04 05 19 13-0282 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.54	
<i>For Hot-Dipped Galvanized, Add</i>	41.32	
<i>For Stainless Steel, Add</i>	165.28	
04 05 19 13-0283 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.01	
<i>For Hot-Dipped Galvanized, Add</i>	41.64	
<i>For Stainless Steel, Add</i>	166.54	
04 05 19 13-0284 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.91	
<i>For Hot-Dipped Galvanized, Add</i>	41.93	
<i>For Stainless Steel, Add</i>	167.72	
04 05 19 13-0285 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.96	
<i>For Hot-Dipped Galvanized, Add</i>	48.27	
<i>For Stainless Steel, Add</i>	193.06	
04 05 19 13-0286 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	202.92	
<i>For Hot-Dipped Galvanized, Add</i>	62.56	
<i>For Stainless Steel, Add</i>	250.24	
04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0288 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.03	
<i>For Hot-Dipped Galvanized, Add</i>	44.15	
<i>For Stainless Steel, Add</i>	176.58	
04 05 19 13-0289 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.51	
<i>For Hot-Dipped Galvanized, Add</i>	45.24	
<i>For Stainless Steel, Add</i>	180.96	
04 05 19 13-0290 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.99	
<i>For Hot-Dipped Galvanized, Add</i>	46.34	
<i>For Stainless Steel, Add</i>	185.34	
04 05 19 13-0291 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.08	
<i>For Hot-Dipped Galvanized, Add</i>	47.64	
<i>For Stainless Steel, Add</i>	190.56	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292	CLF		#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.17	
			<i>For Hot-Dipped Galvanized, Add</i>	48.95	
			<i>For Stainless Steel, Add</i>	195.78	
04 05 19 13-0293	CLF		#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	165.03	
			<i>For Hot-Dipped Galvanized, Add</i>	49.64	
			<i>For Stainless Steel, Add</i>	198.54	
04 05 19 13-0294	CLF		#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.98	
			<i>For Hot-Dipped Galvanized, Add</i>	50.24	
			<i>For Stainless Steel, Add</i>	200.94	
04 05 19 13-0295	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	176.29	
			<i>For Hot-Dipped Galvanized, Add</i>	51.43	
			<i>For Stainless Steel, Add</i>	205.70	
04 05 19 13-0296	CLF		#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	216.61	
			<i>For Hot-Dipped Galvanized, Add</i>	69.40	
			<i>For Stainless Steel, Add</i>	277.58	
04 05 19 13-0297			Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0298			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0299	CLF		#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	97.73	
			<i>For Hot-Dipped Galvanized, Add</i>	21.13	
			<i>For Stainless Steel, Add</i>	84.50	
04 05 19 13-0300	CLF		#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	105.94	
			<i>For Hot-Dipped Galvanized, Add</i>	22.15	
			<i>For Stainless Steel, Add</i>	88.58	
04 05 19 13-0301	CLF		#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	114.69	
			<i>For Hot-Dipped Galvanized, Add</i>	23.44	
			<i>For Stainless Steel, Add</i>	93.76	
04 05 19 13-0302	CLF		#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	122.63	
			<i>For Hot-Dipped Galvanized, Add</i>	24.33	
			<i>For Stainless Steel, Add</i>	97.30	
04 05 19 13-0303	CLF		#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	127.20	
			<i>For Hot-Dipped Galvanized, Add</i>	25.07	
			<i>For Stainless Steel, Add</i>	100.28	
04 05 19 13-0304	CLF		#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	136.34	
			<i>For Hot-Dipped Galvanized, Add</i>	26.86	
			<i>For Stainless Steel, Add</i>	107.44	
04 05 19 13-0305	CLF		#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	144.85	
			<i>For Hot-Dipped Galvanized, Add</i>	28.65	
			<i>For Stainless Steel, Add</i>	114.60	
04 05 19 13-0306			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0307	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	110.89	
			<i>For Hot-Dipped Galvanized, Add</i>	27.71	
			<i>For Stainless Steel, Add</i>	110.82	
04 05 19 13-0308	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	119.13	
			<i>For Hot-Dipped Galvanized, Add</i>	28.74	
			<i>For Stainless Steel, Add</i>	114.96	
04 05 19 13-0309	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	127.82	
			<i>For Hot-Dipped Galvanized, Add</i>	30.01	
			<i>For Stainless Steel, Add</i>	120.02	
04 05 19 13-0310	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	135.79	
			<i>For Hot-Dipped Galvanized, Add</i>	30.91	
			<i>For Stainless Steel, Add</i>	123.62	
04 05 19 13-0311	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	140.27	
			<i>For Hot-Dipped Galvanized, Add</i>	31.61	
			<i>For Stainless Steel, Add</i>	126.42	
04 05 19 13-0312	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	149.44	
			<i>For Hot-Dipped Galvanized, Add</i>	33.41	
			<i>For Stainless Steel, Add</i>	133.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	158.01 35.23 140.92	
04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0315 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	123.09 33.81 135.22	
04 05 19 13-0316 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	132.46 35.41 141.62	
04 05 19 13-0317 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	143.02 37.61 150.42	
04 05 19 13-0318 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	151.58 38.80 155.20	
04 05 19 13-0319 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	157.04 39.99 159.96	
04 05 19 13-0320 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	167.99 42.69 170.74	
04 05 19 13-0321 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	177.37 44.91 179.64	
04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	138.75 41.64 166.54	
04 05 19 13-0325 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	145.51 41.93 167.72	
04 05 19 13-0326 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	153.70 42.95 171.78	
04 05 19 13-0327 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	165.66 44.30 177.20	
04 05 19 13-0328 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	174.42 45.90 183.60	
04 05 19 13-0329 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	183.26 47.86 191.42	
04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	159.11 51.82 207.26	
04 05 19 13-0332 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	166.15 52.25 209.00	
04 05 19 13-0333 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <i>For Hot-Dipped Galvanized, Add</i> <i>For Stainless Steel, Add</i>	174.35 53.27 213.08	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	186.25	
For Hot-Dipped Galvanized, Add	54.60	
For Stainless Steel, Add	218.38	
04 05 19 13-0335 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	194.75	
For Hot-Dipped Galvanized, Add	56.07	
For Stainless Steel, Add	224.26	
04 05 19 13-0336 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	202.65	
For Hot-Dipped Galvanized, Add	57.55	
For Stainless Steel, Add	230.20	
04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0338 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	170.26	
For Hot-Dipped Galvanized, Add	57.39	
For Stainless Steel, Add	229.56	
04 05 19 13-0339 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	177.30	
For Hot-Dipped Galvanized, Add	57.83	
For Stainless Steel, Add	231.30	
04 05 19 13-0340 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	186.66	
For Hot-Dipped Galvanized, Add	59.43	
For Stainless Steel, Add	237.70	
04 05 19 13-0341 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	200.11	
For Hot-Dipped Galvanized, Add	61.53	
For Stainless Steel, Add	246.10	
04 05 19 13-0342 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	210.97	
For Hot-Dipped Galvanized, Add	64.18	
For Stainless Steel, Add	256.70	
04 05 19 13-0343 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	221.78	
For Hot-Dipped Galvanized, Add	67.12	
For Stainless Steel, Add	268.46	
04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0346 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	148.80	
For Hot-Dipped Galvanized, Add	43.58	
For Stainless Steel, Add	174.30	
04 05 19 13-0347 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	155.57	
For Hot-Dipped Galvanized, Add	43.88	
For Stainless Steel, Add	175.52	
04 05 19 13-0348 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	166.80	
For Hot-Dipped Galvanized, Add	44.87	
For Stainless Steel, Add	179.48	
04 05 19 13-0349 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	175.04	
For Hot-Dipped Galvanized, Add	46.21	
For Stainless Steel, Add	184.84	
04 05 19 13-0350 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	183.23	
For Hot-Dipped Galvanized, Add	47.84	
For Stainless Steel, Add	191.36	
04 05 19 13-0351 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	189.97	
For Hot-Dipped Galvanized, Add	49.50	
For Stainless Steel, Add	198.00	
04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0353 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	169.09	
For Hot-Dipped Galvanized, Add	53.72	
For Stainless Steel, Add	214.88	
04 05 19 13-0354 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	176.12	
For Hot-Dipped Galvanized, Add	54.16	
For Stainless Steel, Add	216.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	187.41	
<i>For Hot-Dipped Galvanized, Add</i>	55.18	
<i>For Stainless Steel, Add</i>	220.70	
04 05 19 13-0356 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	195.65	
<i>For Hot-Dipped Galvanized, Add</i>	56.52	
<i>For Stainless Steel, Add</i>	226.06	
04 05 19 13-0357 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	203.52	
<i>For Hot-Dipped Galvanized, Add</i>	57.99	
<i>For Stainless Steel, Add</i>	231.94	
04 05 19 13-0358 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	210.43	
<i>For Hot-Dipped Galvanized, Add</i>	59.73	
<i>For Stainless Steel, Add</i>	238.92	
04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	180.27	
<i>For Hot-Dipped Galvanized, Add</i>	59.31	
<i>For Stainless Steel, Add</i>	237.24	
04 05 19 13-0361 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	187.27	
<i>For Hot-Dipped Galvanized, Add</i>	59.73	
<i>For Stainless Steel, Add</i>	238.92	
04 05 19 13-0362 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	199.79	
<i>For Hot-Dipped Galvanized, Add</i>	61.37	
<i>For Stainless Steel, Add</i>	245.46	
04 05 19 13-0363 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	209.51	
<i>For Hot-Dipped Galvanized, Add</i>	63.45	
<i>For Stainless Steel, Add</i>	253.78	
04 05 19 13-0364 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	219.71	
<i>For Hot-Dipped Galvanized, Add</i>	66.08	
<i>For Stainless Steel, Add</i>	264.32	
04 05 19 13-0365 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	227.15	
<i>For Hot-Dipped Galvanized, Add</i>	68.09	
<i>For Stainless Steel, Add</i>	272.36	
04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	140.96	
<i>For Hot-Dipped Galvanized, Add</i>	39.66	
<i>For Stainless Steel, Add</i>	158.62	
<i>For Seismic Hook And Eye, Add</i>	17.05	
04 05 19 13-0369 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	147.68	
<i>For Hot-Dipped Galvanized, Add</i>	39.94	
<i>For Stainless Steel, Add</i>	159.74	
<i>For Seismic Hook And Eye, Add</i>	17.17	
04 05 19 13-0370 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	158.64	
<i>For Hot-Dipped Galvanized, Add</i>	40.79	
<i>For Stainless Steel, Add</i>	163.16	
<i>For Seismic Hook And Eye, Add</i>	17.54	
04 05 19 13-0371 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.68	
<i>For Hot-Dipped Galvanized, Add</i>	42.03	
<i>For Stainless Steel, Add</i>	168.12	
<i>For Seismic Hook And Eye, Add</i>	18.07	
04 05 19 13-0372 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.17	
<i>For Hot-Dipped Galvanized, Add</i>	43.31	
<i>For Stainless Steel, Add</i>	173.24	
<i>For Seismic Hook And Eye, Add</i>	18.62	
04 05 19 13-0373 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	180.74	
<i>For Hot-Dipped Galvanized, Add</i>	44.89	
<i>For Stainless Steel, Add</i>	179.54	
<i>For Seismic Hook And Eye, Add</i>	19.30	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement ^(04 05 19 13-0366)		
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	159.66	
	<i>For Hot-Dipped Galvanized, Add</i>	49.01	
	<i>For Stainless Steel, Add</i>	196.02	
	<i>For Seismic Hook And Eye, Add</i>	21.07	
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.57	
	<i>For Hot-Dipped Galvanized, Add</i>	49.38	
	<i>For Stainless Steel, Add</i>	197.52	
	<i>For Seismic Hook And Eye, Add</i>	21.23	
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	177.40	
	<i>For Hot-Dipped Galvanized, Add</i>	50.17	
	<i>For Stainless Steel, Add</i>	200.68	
	<i>For Seismic Hook And Eye, Add</i>	21.57	
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	185.31	
	<i>For Hot-Dipped Galvanized, Add</i>	51.35	
	<i>For Stainless Steel, Add</i>	205.38	
	<i>For Seismic Hook And Eye, Add</i>	22.08	
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	192.78	
	<i>For Hot-Dipped Galvanized, Add</i>	52.62	
	<i>For Stainless Steel, Add</i>	210.46	
	<i>For Seismic Hook And Eye, Add</i>	22.62	
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	198.99	
	<i>For Hot-Dipped Galvanized, Add</i>	54.01	
	<i>For Stainless Steel, Add</i>	216.04	
	<i>For Seismic Hook And Eye, Add</i>	23.22	
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement ^(04 05 19 13-0366)		
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	170.95	
	<i>For Hot-Dipped Galvanized, Add</i>	54.65	
	<i>For Stainless Steel, Add</i>	218.60	
	<i>For Seismic Hook And Eye, Add</i>	23.50	
04 05 19 13-0383	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	177.96	
	<i>For Hot-Dipped Galvanized, Add</i>	55.08	
	<i>For Stainless Steel, Add</i>	220.30	
	<i>For Seismic Hook And Eye, Add</i>	23.68	
04 05 19 13-0384	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	190.26	
	<i>For Hot-Dipped Galvanized, Add</i>	56.60	
	<i>For Stainless Steel, Add</i>	226.40	
	<i>For Seismic Hook And Eye, Add</i>	24.34	
04 05 19 13-0385	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	199.81	
	<i>For Hot-Dipped Galvanized, Add</i>	58.60	
	<i>For Stainless Steel, Add</i>	234.38	
	<i>For Seismic Hook And Eye, Add</i>	25.20	
04 05 19 13-0386	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	209.78	
	<i>For Hot-Dipped Galvanized, Add</i>	61.12	
	<i>For Stainless Steel, Add</i>	244.46	
	<i>For Seismic Hook And Eye, Add</i>	26.28	
04 05 19 13-0387	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	218.79	
	<i>For Hot-Dipped Galvanized, Add</i>	63.91	
	<i>For Stainless Steel, Add</i>	255.64	
	<i>For Seismic Hook And Eye, Add</i>	27.48	
04 05 19 13-0388	Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement ^(04 05 19 13-0203)		
04 05 19 13-0389	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall ^(04 05 19 13-0388)		
04 05 19 13-0390	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	150.85	
	<i>For Hot-Dipped Galvanized, Add</i>	41.52	
	<i>For Stainless Steel, Add</i>	166.08	
	<i>For Seismic Hook And Eye, Add</i>	17.85	
04 05 19 13-0391	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	160.68	
	<i>For Hot-Dipped Galvanized, Add</i>	41.81	
	<i>For Stainless Steel, Add</i>	167.24	
	<i>For Seismic Hook And Eye, Add</i>	17.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	168.08	
<i>For Hot-Dipped Galvanized, Add</i>	42.73	
<i>For Stainless Steel, Add</i>	170.92	
<i>For Seismic Hook And Eye, Add</i>	18.37	
04 05 19 13-0393 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	175.63	
<i>For Hot-Dipped Galvanized, Add</i>	44.04	
<i>For Stainless Steel, Add</i>	176.16	
<i>For Seismic Hook And Eye, Add</i>	18.94	
04 05 19 13-0394 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	182.08	
<i>For Hot-Dipped Galvanized, Add</i>	45.56	
<i>For Stainless Steel, Add</i>	182.22	
<i>For Seismic Hook And Eye, Add</i>	19.59	
04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	171.00	
<i>For Hot-Dipped Galvanized, Add</i>	51.60	
<i>For Stainless Steel, Add</i>	206.38	
<i>For Seismic Hook And Eye, Add</i>	22.19	
04 05 19 13-0397 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	180.89	
<i>For Hot-Dipped Galvanized, Add</i>	51.92	
<i>For Stainless Steel, Add</i>	207.66	
<i>For Seismic Hook And Eye, Add</i>	22.32	
04 05 19 13-0398 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	188.23	
<i>For Hot-Dipped Galvanized, Add</i>	52.81	
<i>For Stainless Steel, Add</i>	211.22	
<i>For Seismic Hook And Eye, Add</i>	22.71	
04 05 19 13-0399 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	195.54	
<i>For Hot-Dipped Galvanized, Add</i>	54.00	
<i>For Stainless Steel, Add</i>	215.98	
<i>For Seismic Hook And Eye, Add</i>	23.22	
04 05 19 13-0400 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	201.41	
<i>For Hot-Dipped Galvanized, Add</i>	55.22	
<i>For Stainless Steel, Add</i>	220.88	
<i>For Seismic Hook And Eye, Add</i>	23.74	
04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	180.78	
<i>For Hot-Dipped Galvanized, Add</i>	56.49	
<i>For Stainless Steel, Add</i>	225.94	
<i>For Seismic Hook And Eye, Add</i>	24.29	
04 05 19 13-0403 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	190.85	
<i>For Hot-Dipped Galvanized, Add</i>	56.90	
<i>For Stainless Steel, Add</i>	227.58	
<i>For Seismic Hook And Eye, Add</i>	24.46	
04 05 19 13-0404 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	199.49	
<i>For Hot-Dipped Galvanized, Add</i>	58.44	
<i>For Stainless Steel, Add</i>	233.74	
<i>For Seismic Hook And Eye, Add</i>	25.13	
04 05 19 13-0405 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	208.38	
<i>For Hot-Dipped Galvanized, Add</i>	60.42	
<i>For Stainless Steel, Add</i>	241.66	
<i>For Seismic Hook And Eye, Add</i>	25.98	
04 05 19 13-0406 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	216.84	
<i>For Hot-Dipped Galvanized, Add</i>	62.94	
<i>For Stainless Steel, Add</i>	251.74	
<i>For Seismic Hook And Eye, Add</i>	27.06	
04 05 19 16 Masonry Anchors <small>(04 05 19)</small>		
04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
04 05 19 16-0003 EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.54	
04 05 19 16-0004 EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.65	
04 05 19 16-0005 EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.76	
04 05 19 16-0006 EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.89	
04 05 19 16-0007 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.02	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008	EA		4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.76	
04 05 19 16-0009	EA		4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.89	
04 05 19 16-0010	EA		4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.02	
04 05 19 16-0011	EA		4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.15	
04 05 19 16-0012			Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)		
04 05 19 16-0013	EA		2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.35	
04 05 19 16-0014	EA		2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.39	
04 05 19 16-0015	EA		2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0016	EA		2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.51	
04 05 19 16-0017	EA		2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.58	
04 05 19 16-0018	EA		4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0019	EA		4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.51	
04 05 19 16-0020	EA		4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.58	
04 05 19 16-0021	EA		4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.66	
04 05 19 16-0022			Z-Type, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0023			Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0024	EA		6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.35	
04 05 19 16-0025	EA		8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.42	
04 05 19 16-0026	EA		10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.61	
04 05 19 16-0027	EA		12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.70	
04 05 19 16-0028	EA		6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.72	
04 05 19 16-0029	EA		8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.84	
04 05 19 16-0030	EA		10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.99	
04 05 19 16-0031	EA		12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	2.08	
04 05 19 16-0032			Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)		
04 05 19 16-0033	EA		6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.21	
04 05 19 16-0034	EA		8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.23	
04 05 19 16-0035	EA		10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.38	
04 05 19 16-0036	EA		12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.42	
04 05 19 16-0037	EA		6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.43	
04 05 19 16-0038	EA		8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.51	
04 05 19 16-0039	EA		10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.58	
04 05 19 16-0040	EA		12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.68	
04 05 19 16-0041			Wire Beam Ties (04 05 19 16)		
04 05 19 16-0042			Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0043	EA		2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.88	
04 05 19 16-0044	EA		4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.93	
04 05 19 16-0045	EA		6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.97	
04 05 19 16-0046	EA		8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.02	
04 05 19 16-0047	EA		10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	2.11	
04 05 19 16-0048			Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)		
04 05 19 16-0049	EA		2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.27	
04 05 19 16-0050	EA		4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.38	
04 05 19 16-0051	EA		6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.50	
04 05 19 16-0052	EA		8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.55	
04 05 19 16-0053	EA		10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.64	
04 05 19 16-0054			Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)		
04 05 19 16-0055			Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0056	EA		6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.11	
04 05 19 16-0057	EA		7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.21	
04 05 19 16-0058	EA		8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.24	
04 05 19 16-0059	EA		9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.33	
04 05 19 16-0060	EA		10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.36	
04 05 19 16-0061			Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)		
04 05 19 16-0062	EA		6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.76	
04 05 19 16-0063	EA		7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.82	
04 05 19 16-0064	EA		8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.85	
04 05 19 16-0065	EA		9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.90	
04 05 19 16-0066	EA		10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.92	
04 05 19 16-0067			Corrugated Buck (Brick) Anchors (04 05 19 16)		



	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors <small>(04 05 19 16-0067)</small>		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.60	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.71	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.81	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.92	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	3.03	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.69	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.81	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.92	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	3.04	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	3.16	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors <small>(04 05 19 16-0067)</small>		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.22	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.30	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.37	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.45	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.53	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.29	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.37	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.46	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.54	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.63	
04 05 19 16-0090		Corrugated Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.20	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.29	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.33	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.36	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.66	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.24	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.26	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.29	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.52	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties <small>(04 05 19 16-0090)</small>		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.51	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.57	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.64	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.70	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	2.03	
04 05 19 16-0108		Wire Mesh Wall Ties <small>(04 05 19 16)</small>		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.52	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.11	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.72	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.83	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.47	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	5.61	
04 05 19 16-0115		Triangle Brick Ties <small>(04 05 19 16)</small>		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.21	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.26	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.31	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.40	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.45	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.60	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.70	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.93	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.70	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.73	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.77	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.85	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	2.89	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	3.03	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	3.11	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	3.35	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.98	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.99	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.01	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.08	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.09	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.19	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.22	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.30	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.26	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.29	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.32	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.40	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.42	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.53	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.58	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.72	
04 05 19 16-0150		Seismic Veneer Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor.....	6.26	
		Note: For horizontal wire attachment. Excludes wire.		
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors <small>(04 05 19 16)</small>		
		Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor.....	8.11	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor.....	8.81	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor.....	6.26	
04 05 19 16-0156		Strap Partition Top Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor.....	4.58	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor.....	6.58	
04 05 19 16-0159		Rigid Partition Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.28	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.58	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.95	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.29	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.62	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.96	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.63	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.70	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	6.78	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	7.86	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	8.93	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	10.01	
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.98	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.24	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.51	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.77	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.03	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.29	
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates <small>(04 05 19 16)</small>		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	2.11	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	2.23	
04 05 19 16-0183		Wire Column Ties <small>(04 05 19 16)</small>		
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties <small>(04 05 19 16-0183)</small>		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.58	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.76	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.89	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.07	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.73	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.89	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.00	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193 EA 3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.52	
04 05 19 16-0194 EA 5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.83	
04 05 19 16-0195 EA 7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.04	
04 05 19 16-0196 EA 9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.33	
04 05 19 16-0197 EA 10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.83	
04 05 19 16-0198 EA 12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.04	
04 05 19 16-0199 EA 14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.22	
04 05 19 16-0200 EA 16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	4.42	
04 05 19 16-0201 Mill Galvanized, Wire Column Ties <small>(04 05 19 16-0183)</small>		
04 05 19 16-0202 EA 3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.26	
04 05 19 16-0203 EA 5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.37	
04 05 19 16-0204 EA 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.44	
04 05 19 16-0205 EA 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.55	
04 05 19 16-0206 EA 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.31	
04 05 19 16-0207 EA 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.42	
04 05 19 16-0208 EA 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.49	
04 05 19 16-0209 EA 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.58	
04 05 19 16-0210 EA 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.96	
04 05 19 16-0211 EA 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.16	
04 05 19 16-0212 EA 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.25	
04 05 19 16-0213 EA 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.45	
04 05 19 16-0214 EA 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.87	
04 05 19 16-0215 EA 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.21	
04 05 19 16-0216 EA 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.34	
04 05 19 16-0217 EA 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	3.45	
04 05 19 16-0218 Dovetail Anchors, Slots And Ties <small>(04 05 19 16)</small>		
04 05 19 16-0219 Dovetail Anchor Slots <small>(04 05 19 16-0218)</small>		
04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0221 LF 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.95	
04 05 19 16-0222 LF 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.48	
04 05 19 16-0223 LF 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.79	
04 05 19 16-0224 LF 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.94	
04 05 19 16-0225 LF 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	6.30	
04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0227 LF 24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.90	
04 05 19 16-0228 LF 22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.57	
04 05 19 16-0229 LF 20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.72	
04 05 19 16-0230 LF 18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.95	
04 05 19 16-0231 LF 16 Gauge, Mill Galvanized, Dovetail Anchor Slot	5.10	
04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0233 LF 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.46	
04 05 19 16-0234 LF 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.90	
04 05 19 16-0235 LF 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.05	
04 05 19 16-0236 LF 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.55	
04 05 19 16-0237 LF 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	6.03	
04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot <small>(04 05 19 16-0219)</small>		
04 05 19 16-0239 LF 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.80	
04 05 19 16-0240 LF 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.14	
04 05 19 16-0241 LF 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.47	
04 05 19 16-0242 LF 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.90	
04 05 19 16-0243 LF 16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.15	
04 05 19 16-0244 Dovetail Corrugated Brick Ties <small>(04 05 19 16-0218)</small>		
04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie <small>(04 05 19 16-0244)</small>		
04 05 19 16-0246 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.58	
04 05 19 16-0247 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.75	
04 05 19 16-0248 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.92	
04 05 19 16-0249 EA 3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.62	
04 05 19 16-0250 EA 5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.94	
04 05 19 16-0251 EA 7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.18	
04 05 19 16-0252 EA 3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.71	
04 05 19 16-0253 EA 5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.93	
04 05 19 16-0254 EA 7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.15	
04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie <small>(04 05 19 16-0244)</small>		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0256	EA		3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.43	
04 05 19 16-0257	EA		5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.53	
04 05 19 16-0258	EA		7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.64	
04 05 19 16-0259	EA		3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.51	
04 05 19 16-0260	EA		5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.72	
04 05 19 16-0261	EA		7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.89	
04 05 19 16-0262	EA		3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.55	
04 05 19 16-0263	EA		5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.80	
04 05 19 16-0264	EA		7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.97	
04 05 19 16-0265			Dovetail Stone Anchors (04 05 19 16-0218)		
04 05 19 16-0266			Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)		
04 05 19 16-0267	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.94	
04 05 19 16-0268	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.11	
04 05 19 16-0269	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.29	
04 05 19 16-0270			Dovetail Partition Top Anchors (04 05 19 16-0218)		
04 05 19 16-0271	EA		3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	4.75	
04 05 19 16-0272	EA		3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	7.08	
04 05 19 16-0273			Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)		
04 05 19 16-0274			Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0275	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.93	
04 05 19 16-0276	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.16	
04 05 19 16-0277	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.31	
04 05 19 16-0278	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.47	
04 05 19 16-0279			Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)		
04 05 19 16-0280	EA		3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.61	
04 05 19 16-0281	EA		5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.63	
04 05 19 16-0282	EA		7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.73	
04 05 19 16-0283	EA		9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.98	
04 05 19 16-0284			Dowel Or Hairpin, Drill And Epoxy Into Brick (04 05 19 16)		
04 05 19 16-0285	EA		Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick.....	30.44	
04 05 19 16-0286	EA		Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick.....	31.80	
04 05 19 26			Masonry Reinforcing Bars (04 05 19)		
			Note: Includes cutting and bending.		
04 05 19 26-0001			Plain Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0002	LF		#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.99	
04 05 19 26-0003	LF		#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.63	
04 05 19 26-0004	LF		#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.29	
04 05 19 26-0005	LF		#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.00	
04 05 19 26-0006	LF		#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.01	
04 05 19 26-0007	LF		#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.65	
04 05 19 26-0008	LF		#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.33	
04 05 19 26-0009	LF		#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.05	
04 05 19 26-0010	LF		#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.03	
04 05 19 26-0011	LF		#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.69	
04 05 19 26-0012	LF		#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.39	
04 05 19 26-0013	LF		#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.14	
04 05 19 26-0014	LF		#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.18	
04 05 19 26-0015	LF		#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.90	
04 05 19 26-0016	LF		#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.67	
04 05 19 26-0017	LF		#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.47	
04 05 19 26-0018	LF		#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0019	LF		#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.92	
04 05 19 26-0020	LF		#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.71	
04 05 19 26-0021	LF		#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.52	
04 05 19 26-0022	LF		#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.22	
04 05 19 26-0023	LF		#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.96	
04 05 19 26-0024	LF		#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.77	
04 05 19 26-0025	LF		#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.61	
04 05 19 26-0026			Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0027	LF		#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.14	
04 05 19 26-0028	LF		#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.89	
04 05 19 26-0029	LF		#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.70	
04 05 19 26-0030	LF		#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.59	
04 05 19 26-0031	LF		#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.92	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.74	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.65	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.18	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.96	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.81	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.74	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.33	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.08	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.06	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.35	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.12	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.12	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.37	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.23	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.19	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.21	

04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.12	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.86	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.66	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.53	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.14	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.89	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.70	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.59	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.16	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.93	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.76	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.67	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.31	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.13	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.04	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.00	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.33	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.16	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.08	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.06	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.35	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.20	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.14	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.14	

04 05 23 Masonry Accessories (04 05)

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

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

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

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	7.46	1.10
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	7.24	1.10
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	15.56	1.10

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

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.39	1.10
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.57	1.10
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.78	1.10
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.38	1.10
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.99	1.10

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

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

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

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.07	2.06
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.12	2.06
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.04	2.06
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.62	2.06

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

04 Masonry**04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0008	SF		2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.09	2.06
04 05 23 16-0009	SF		3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	12.04	2.06
04 05 23 16-0010	SF		5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	15.41	2.06
04 05 23 16-0011	SF		7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	18.51	2.06
04 05 23 16-0012			Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0013	SF		2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.30	2.06
04 05 23 16-0014	SF		3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.62	2.06
04 05 23 16-0015	SF		5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.51	2.06
04 05 23 16-0016	SF		7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	17.46	2.06
04 05 23 16-0017			Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0018			2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0019	SF		2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.48	1.93
04 05 23 16-0020	SF		3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	9.26	1.93
04 05 23 16-0021	SF		5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	11.40	1.93
04 05 23 16-0022	SF		7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.29	1.93
04 05 23 16-0023	SF		10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	14.09	1.93
04 05 23 16-0024			2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0025	SF		2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.25	1.93
04 05 23 16-0026	SF		3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.93	1.93
04 05 23 16-0027	SF		5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	12.41	1.93
04 05 23 16-0028	SF		7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.67	1.93
04 05 23 16-0029	SF		10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	16.01	1.93
04 05 23 16-0030			1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0031	SF		2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.57	1.93
04 05 23 16-0032	SF		3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.35	1.93
04 05 23 16-0033	SF		5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.48	1.93
04 05 23 16-0034	SF		7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.37	1.93
04 05 23 16-0035	SF		10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	14.17	1.93
04 05 23 16-0036			2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0037	SF		2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.67	1.93
04 05 23 16-0038	SF		3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.62	1.93
04 05 23 16-0039	SF		5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	11.01	1.93
04 05 23 16-0040	SF		7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.91	1.93
04 05 23 16-0041	SF		10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.06	1.93
04 05 23 16-0042			2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)		
04 05 23 16-0043	SF		3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	11.84	1.93
04 05 23 16-0044	SF		5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	14.70	1.93
04 05 23 16-0045			2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0017)		
			Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF		3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	10.19	1.93
04 05 23 16-0047	SF		5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	12.74	1.93
04 05 23 16-0048			Stainless Steel Through Wall Flashing (04 05 23 16)		
04 05 23 16-0049			Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0048)		
04 05 23 16-0050	SF		0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	7.31	1.93
04 05 23 16-0051			Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)		
04 05 23 16-0052	SF		0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.18	2.12
04 05 23 16-0053	SF		0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.54	2.12
04 05 23 16-0054	SF		0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.96	2.12
04 05 23 16-0055	SF		0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	7.34	2.12
04 05 23 19			Masonry Cavity Drainage, Weepholes, and Vents (04 05 23)		
04 05 23 19-0001			Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)		
			Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA		8-1/8" x 2-3/8" Aluminum Brick Vent.....	82.10	
04 05 23 19-0003	EA		8-1/8" x 4-3/4" Aluminum Brick Vent.....	101.98	
04 05 23 19-0004	EA		8-1/8" x 7-3/4" Aluminum Brick Vent.....	128.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent.....	101.12	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent.....	125.15	
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent.....	158.72	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent.....	119.98	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent.....	163.15	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent.....	199.97	
04 05 23 19-0011 EA 24" x 2-3/8" Aluminum Brick Vent.....	164.20	
04 05 23 19-0012 EA 24" x 4-3/4" Aluminum Brick Vent.....	214.06	
04 05 23 19-0013 EA 24" x 7-3/4" Aluminum Brick Vent.....	263.99	

04 20 Unit Masonry ⁽⁰⁴⁾

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry ^(04 20)

04 21 13 Brick Masonry ^(04 21)

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

04 21 13 00-0001 Brick Masonry ^(04 21 13)

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond.....	27.62
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.10
		<i>For Common Or American Bond, Add</i>	0.84
		<i>For English Bond, Add</i>	1.68
		<i>For Flemish Bond, Add</i>	3.48
		<i>For Stacked Bond, Add</i>	2.43
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.87
		<i>For Curved Wall, Add</i>	4.21
		<i>For Corbels, Add</i>	15.77
		<i>For Severe Weather (SW) Brick, Add</i>	0.99
		<i>For Glazed Brick, Add</i>	23.07
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond.....	28.71
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.36
		<i>For Common Or American Bond, Add</i>	0.82
		<i>For English Bond, Add</i>	1.64
		<i>For Flemish Bond, Add</i>	3.49
		<i>For Stacked Bond, Add</i>	2.46
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.23
		<i>For Curved Wall, Add</i>	4.11
		<i>For Corbels, Add</i>	15.41
		<i>For Severe Weather (SW) Brick, Add</i>	1.22
		<i>For Glazed Brick, Add</i>	28.56
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond.....	27.62
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.10
		<i>For Common Or American Bond, Add</i>	0.84
		<i>For English Bond, Add</i>	1.68
		<i>For Flemish Bond, Add</i>	3.48
		<i>For Stacked Bond, Add</i>	2.43
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.87
		<i>For Curved Wall, Add</i>	4.21
		<i>For Corbels, Add</i>	15.77
		<i>For Severe Weather (SW) Brick, Add</i>	0.99
		<i>For Glazed Brick, Add</i>	23.07
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond	28.71
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.36
		<i>For Common Or American Bond, Add</i>	0.82
		<i>For English Bond, Add</i>	1.64
		<i>For Flemish Bond, Add</i>	3.49
		<i>For Stacked Bond, Add</i>	2.46
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.23
		<i>For Curved Wall, Add</i>	4.11
		<i>For Corbels, Add</i>	15.41
		<i>For Severe Weather (SW) Brick, Add</i>	1.22
		<i>For Glazed Brick, Add</i>	28.56
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond.....	28.50
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	
		<i>For Buff Or Gray, Add</i>	1.33
		<i>For Common Or American Bond, Add</i>	0.82
		<i>For English Bond, Add</i>	1.64
		<i>For Flemish Bond, Add</i>	3.48
		<i>For Stacked Bond, Add</i>	2.45
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	31.22
		<i>For Curved Wall, Add</i>	4.11
		<i>For Corbels, Add</i>	15.41
		<i>For Severe Weather (SW) Brick, Add</i>	1.19
		<i>For Glazed Brick, Add</i>	27.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0007	SF		Utility Size Red Brick, Running Bond.....	21.16	
			Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
			For Buff Or Gray, Add	1.13	
			For Common Or American Bond, Add	0.57	
			For English Bond, Add	1.15	
			For Flemish Bond, Add	2.49	
			For Stacked Bond, Add	1.78	
			For <10, Small Area Replacements (Individual Areas), Add	21.88	
			For Curved Wall, Add	2.87	
			For Corbels, Add	10.77	
			For Severe Weather (SW) Brick, Add	1.02	
			For Glazed Brick, Add	23.80	
04 21 13 00-0008	SF		Double Utility Size Red Brick, Running Bond.....	19.13	
			Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
			For Buff Or Gray, Add	0.80	
			For Common Or American Bond, Add	0.57	
			For English Bond, Add	1.15	
			For Flemish Bond, Add	2.39	
			For Stacked Bond, Add	1.67	
			For <10, Small Area Replacements (Individual Areas), Add	21.78	
			For Curved Wall, Add	2.87	
			For Corbels, Add	10.77	
			For Severe Weather (SW) Brick, Add	0.72	
			For Glazed Brick, Add	16.70	
04 21 13 00-0009	SF		Norman Size Red Brick, Running Bond.....	29.12	
			Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
			For Buff Or Gray, Add	1.43	
			For Common Or American Bond, Add	0.82	
			For English Bond, Add	1.64	
			For Flemish Bond, Add	3.51	
			For Stacked Bond, Add	2.48	
			For <10, Small Area Replacements (Individual Areas), Add	31.25	
			For Curved Wall, Add	4.11	
			For Corbels, Add	15.41	
			For Severe Weather (SW) Brick, Add	1.29	
			For Glazed Brick, Add	30.00	
04 21 13 00-0010	SF		Roman Size Red Brick, Running Bond.....	30.92	
			Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
			For Buff Or Gray, Add	1.73	
			For Common Or American Bond, Add	0.82	
			For English Bond, Add	1.64	
			For Flemish Bond, Add	3.60	
			For Stacked Bond, Add	2.57	
			For <10, Small Area Replacements (Individual Areas), Add	31.34	
			For Curved Wall, Add	4.11	
			For Corbels, Add	15.41	
			For Severe Weather (SW) Brick, Add	1.56	
			For Glazed Brick, Add	36.30	
04 21 13 00-0011			Fire Brick <small>(04 21 13)</small>		
04 21 13 00-0012	SF		Running Bond, Red Fire Brick.....	32.73	
			For Buff Or Gray, Add	2.03	
			For Common Or American Bond, Add	0.82	
			For English Bond, Add	1.64	
			For Flemish Bond, Add	3.69	
			For Stacked Bond, Add	2.66	
			For <10, Small Area Replacements (Individual Areas), Add	31.43	
04 21 13 00-0013			Window Sill <small>(04 21 13)</small>		
04 21 13 00-0014	LF		Standard Size Red Brick, Window Sill.....	23.97	
			Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
			For Buff Or Gray, Add	0.28	
04 21 13 00-0015	LF		Engineer Standard Size Red Brick, Window Sill.....	24.17	
			Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
			For Buff Or Gray, Add	0.31	
04 21 13 00-0016	LF		Modular Size Red Brick, Window Sill.....	23.97	
			Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.28	
04 21 13 00-0017	LF		Engineer Modular Size Red Brick, Window Sill.....	24.30	
			Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.33	
04 21 13 00-0018	LF		Economy Size Red Brick, Window Sill.....	25.17	
			Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
			For Buff Or Gray, Add	0.48	
04 21 13 00-0019	LF		Utility Size Red Brick, Window Sill.....	25.35	
			Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.51	
04 21 13 00-0020	LF		Double Utility Size Red Brick, Window Sill.....	25.35	
			Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.51	
04 21 13 00-0021	LF		Norman Size Red Brick, Window Sill.....	24.41	
			Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
			For Buff Or Gray, Add	0.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 21	13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge. <i>For Buff Or Gray, Add</i>	24.50 0.37	
04 21 19 Clay Tile Masonry (04 21)						
	04 21	19 00-0001		Scored Face, Hollow, Clay Backing Tile (04 21 19)		
	04 21	19 00-0002		Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
	04 21	19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	25.88 1.65 2.79	
	04 21	19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	28.16 1.83 3.10	
	04 21	19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	31.67 2.13 3.63	
	04 21	19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	43.95 3.30 5.71	
	04 21	19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	58.06 4.60 8.04	
	04 21	19 00-0008		Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
	04 21	19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	21.62 1.33 2.23	
	04 21	19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	26.02 1.73 2.95	
	04 21	19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	26.68 1.76 2.98	
	04 21	19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	41.27 3.14 5.46	
	04 21	19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	56.55 4.56 7.98	
	04 21	26		Glazed Structural Clay Tile Masonry (04 21) Note: Includes tile and mortar in all colors.		
	04 21	26 00-0001		6T Series Structural Glazed Clay Tile (04 21 26)		
	04 21	26 00-0002		Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
	04 21	26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	33.89 2.24	
	04 21	26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	37.90 2.24	
	04 21	26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	46.18 2.34	
	04 21	26 00-0006		Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
	04 21	26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	35.56 2.64	
	04 21	26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	42.24 2.64	
	04 21	26 00-0009		8W Series Structural Glazed Clay Tile (04 21 26)		
	04 21	26 00-0010		Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
	04 21	26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	26.51 1.42	
	04 21	26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	32.91 1.52	
	04 21	26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	45.34 1.63	
	04 21	26 00-0014		Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
	04 21	26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	36.23 1.83	
	04 21	26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	36.17 1.83	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 26 00-0017	4W Series Structural Glazed Clay Tile <small>(04 21 26)</small>		
04 21 26 00-0018	Glazed On One Side 4W Series Structural Glazed Clay Tile <small>(04 21 26 00-0017)</small>		
04 21 26 00-0019	SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	35.40	
	<i>For Stacked Bond, Add</i>	2.24	
04 21 26 00-0020	SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	37.40	
	<i>For Stacked Bond, Add</i>	2.24	
04 21 26 00-0021	SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	46.44	
	<i>For Stacked Bond, Add</i>	2.34	
04 21 26 00-0022	Special Shapes 4W Series Structural Glazed Clay Tile <small>(04 21 26 00-0017)</small>		
04 21 26 00-0023	LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	36.78	
	<i>For Stacked Bond, Add</i>	2.64	
04 21 26 00-0024	LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	42.13	
	<i>For Stacked Bond, Add</i>	2.64	
04 21 26 00-0025	6T Series Sound Absorbing Structural Glazed Tile <small>(04 21 26)</small>		
04 21 26 00-0026	SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile	36.62	
04 21 26 00-0027	SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile	39.56	
04 21 26 00-0028	SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile	46.17	
04 21 26 00-0029	8T Series Sound Absorbing Structural Glazed Tile <small>(04 21 26)</small>		
04 21 26 00-0030	SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile	40.37	
04 21 26 00-0031	SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile	45.53	
04 21 26 00-0032	SF 8" Thick, 8T Acoustical Glazed Tile	54.06	
04 21 29	Terra Cotta Masonry <small>(04 21)</small>		
04 21 29 00-0001	Coping <small>(04 21 29)</small>		
	Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF Terra Cotta Coping	113.84	42.63
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.68	
	<i>For Reinforcing With Steel Rods, Add</i>	7.74	
04 21 29 00-0003	Partition Or Back Up (Scored) <small>(04 21 29)</small>		
04 21 29 00-0004	Non-load Bearing, 12" x 12" <small>(04 21 29 00-0003)</small>		
04 21 29 00-0005	SF 3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	27.23	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.50	
	<i>For Reinforcing With Steel Rods, Add</i>	3.31	
04 21 29 00-0006	SF 4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	28.91	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.67	
	<i>For Reinforcing With Steel Rods, Add</i>	3.48	
04 21 29 00-0007	SF 6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	37.30	
	<i>For Smooth Tile Instead Of Scored, Add</i>	5.01	
	<i>For Reinforcing With Steel Rods, Add</i>	4.65	
04 21 29 00-0008	SF 8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	45.64	
	<i>For Smooth Tile Instead Of Scored, Add</i>	6.29	
	<i>For Reinforcing With Steel Rods, Add</i>	5.78	
04 21 29 00-0009	Load Bearing, 12" x 12" <small>(04 21 29 00-0003)</small>		
04 21 29 00-0010	In Walls <small>(04 21 29 00-0009)</small>		
04 21 29 00-0011	SF 4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	30.70	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.99	
	<i>For Reinforcing With Steel Rods, Add</i>	3.75	
04 21 29 00-0012	SF 6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	41.37	
	<i>For Smooth Tile Instead Of Scored, Add</i>	5.74	
	<i>For Reinforcing With Steel Rods, Add</i>	5.26	
04 21 29 00-0013	SF 8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	49.62	
	<i>For Smooth Tile Instead Of Scored, Add</i>	7.01	
	<i>For Reinforcing With Steel Rods, Add</i>	6.38	
04 21 29 00-0014	SF 10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	52.03	
	<i>For Smooth Tile Instead Of Scored, Add</i>	7.17	
	<i>For Reinforcing With Steel Rods, Add</i>	6.59	
04 21 29 00-0015	SF 12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	62.52	
	<i>For Smooth Tile Instead Of Scored, Add</i>	8.69	
	<i>For Reinforcing With Steel Rods, Add</i>	7.96	
04 21 29 00-0016	In Floors <small>(04 21 29 00-0009)</small>		
04 21 29 00-0017	SF 4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	27.85	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.99	
	<i>For Reinforcing With Steel Rods, Add</i>	3.61	
04 21 29 00-0018	SF 6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	38.21	
	<i>For Smooth Tile Instead Of Scored, Add</i>	5.74	
	<i>For Reinforcing With Steel Rods, Add</i>	5.10	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 29 00-0019 SF 8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	46.37	
For Smooth Tile Instead Of Scored, Add	7.01	
For Reinforcing With Steel Rods, Add	6.21	
04 21 29 00-0020 SF 10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	48.38	
For Smooth Tile Instead Of Scored, Add	7.17	
For Reinforcing With Steel Rods, Add	6.40	
04 21 29 00-0021 SF 12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	57.77	
For Smooth Tile Instead Of Scored, Add	8.69	
For Reinforcing With Steel Rods, Add	7.72	

04 22 Concrete Unit Masonry (04 20)

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

04 22 23 Architectural Concrete Unit Masonry (04 22)

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

04 22 23 13-0001 Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0002 Lightweight Concrete Blocks <small>(04 22 23 13-0001)</small>		
04 22 23 13-0003 Cored, Lightweight, Concrete Blocks <small>(04 22 23 13-0002)</small>		
04 22 23 13-0004 SF 4" x 8" x 16", Cored, Lightweight, Concrete Block	13.12	
For Stacked Bond, Add	2.81	
For Scored Block, Add	0.46	
For Curved Wall Application, Add	2.16	
For <10, Small Area Replacements (Individual Areas), Add	16.37	
04 22 23 13-0005 SF 6" x 8" x 16", Cored, Lightweight, Concrete Block	14.64	
For Stacked Bond, Add	3.04	
For Scored Block, Add	0.59	
For Curved Wall Application, Add	2.34	
For <10, Small Area Replacements (Individual Areas), Add	17.76	
04 22 23 13-0006 SF 8" x 8" x 16", Cored, Lightweight, Concrete Block	15.87	
For Stacked Bond, Add	3.26	
For Scored Block, Add	0.66	
For Curved Wall Application, Add	2.51	
For <10, Small Area Replacements (Individual Areas), Add	19.07	
04 22 23 13-0007 SF 10" x 8" x 16", Cored, Lightweight, Concrete Block	17.55	
For Stacked Bond, Add	3.41	
For Scored Block, Add	0.88	
For Curved Wall Application, Add	2.63	
For <10, Small Area Replacements (Individual Areas), Add	20.03	
04 22 23 13-0008 SF 12" x 8" x 16", Cored, Lightweight, Concrete Block	20.75	
For Stacked Bond, Add	4.16	
For Scored Block, Add	0.95	
For Curved Wall Application, Add	3.20	
For <10, Small Area Replacements (Individual Areas), Add	24.34	
04 22 23 13-0009 Solid, Lightweight, Concrete Blocks <small>(04 22 23 13-0002)</small>		
04 22 23 13-0010 SF 4" x 8" x 16", Solid, Lightweight, Concrete Block	14.18	
For Stacked Bond, Add	2.88	
For Scored Block, Add	0.62	
For Curved Wall Application, Add	2.22	
For <10, Small Area Replacements (Individual Areas), Add	16.85	
04 22 23 13-0011 SF 6" x 8" x 16", Solid, Lightweight, Concrete Block	15.55	
For Stacked Bond, Add	3.17	
For Scored Block, Add	0.67	
For Curved Wall Application, Add	2.44	
For <10, Small Area Replacements (Individual Areas), Add	18.54	
04 22 23 13-0012 SF 8" x 8" x 16", Solid, Lightweight, Concrete Block	16.41	
For Stacked Bond, Add	3.36	
For Scored Block, Add	0.69	
For Curved Wall Application, Add	2.59	
For <10, Small Area Replacements (Individual Areas), Add	19.67	
04 22 23 13-0013 SF 10" x 8" x 16", Solid, Lightweight, Concrete Block	18.34	
For Stacked Bond, Add	3.52	
For Scored Block, Add	0.96	
For Curved Wall Application, Add	2.71	
For <10, Small Area Replacements (Individual Areas), Add	20.68	
04 22 23 13-0014 SF 12" x 8" x 16", Solid, Lightweight, Concrete Block	21.64	
For Stacked Bond, Add	4.30	
For Scored Block, Add	1.02	
For Curved Wall Application, Add	3.30	
For <10, Small Area Replacements (Individual Areas), Add	25.16	
04 22 23 13-0015 Normal Weight Concrete Blocks <small>(04 22 23 13-0001)</small>		
04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks <small>(04 22 23 13-0005)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23	13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block.....	13.40	
			For Stacked Bond, Add	2.88	
			For Scored Block, Add	0.46	
			For Curved Wall Application, Add	2.22	
			For <10, Small Area Replacements (Individual Areas), Add	16.79	
			For 3,500 PSI, Add	0.49	
			For 5,000 PSI, Add	0.84	
04 22 23	13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block.....	14.84	
			For Stacked Bond, Add	3.17	
			For Scored Block, Add	0.53	
			For Curved Wall Application, Add	2.44	
			For <10, Small Area Replacements (Individual Areas), Add	18.48	
			For 3,500 PSI, Add	0.56	
			For 5,000 PSI, Add	0.95	
04 22 23	13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block.....	16.00	
			For Stacked Bond, Add	3.36	
			For Scored Block, Add	0.61	
			For Curved Wall Application, Add	2.59	
			For <10, Small Area Replacements (Individual Areas), Add	19.64	
			For 3,500 PSI, Add	0.64	
			For 5,000 PSI, Add	1.10	
04 22 23	13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	19.45	
			For Stacked Bond, Add	3.52	
			For Scored Block, Add	1.18	
			For Curved Wall Application, Add	2.71	
			For <10, Small Area Replacements (Individual Areas), Add	20.77	
			For 3,500 PSI, Add	1.24	
			For 5,000 PSI, Add	2.12	
04 22 23	13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	22.60	
			For Stacked Bond, Add	4.30	
			For Scored Block, Add	1.22	
			For Curved Wall Application, Add	3.30	
			For <10, Small Area Replacements (Individual Areas), Add	25.24	
			For 3,500 PSI, Add	1.28	
			For 5,000 PSI, Add	2.19	
04 22 23	13-0022		Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)		
04 22 23	13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	14.33	
			For Stacked Bond, Add	2.96	
			For Scored Block, Add	0.59	
			For Curved Wall Application, Add	2.28	
			For <10, Small Area Replacements (Individual Areas), Add	17.29	
			For 3,500 PSI, Add	0.62	
			For 5,000 PSI, Add	1.06	
04 22 23	13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	15.28	
			For Stacked Bond, Add	3.26	
			For Scored Block, Add	0.55	
			For Curved Wall Application, Add	2.51	
			For <10, Small Area Replacements (Individual Areas), Add	19.03	
			For 3,500 PSI, Add	0.57	
			For 5,000 PSI, Add	0.98	
04 22 23	13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	16.51	
			For Stacked Bond, Add	3.47	
			For Scored Block, Add	0.63	
			For Curved Wall Application, Add	2.67	
			For <10, Small Area Replacements (Individual Areas), Add	20.25	
			For 3,500 PSI, Add	0.67	
			For 5,000 PSI, Add	1.14	
04 22 23	13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	18.23	
			For Stacked Bond, Add	3.64	
			For Scored Block, Add	0.85	
			For Curved Wall Application, Add	2.80	
			For <10, Small Area Replacements (Individual Areas), Add	21.30	
			For 3,500 PSI, Add	0.89	
			For 5,000 PSI, Add	1.53	
04 22 23	13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	21.51	
			For Stacked Bond, Add	4.44	
			For Scored Block, Add	0.88	
			For Curved Wall Application, Add	3.42	
			For <10, Small Area Replacements (Individual Areas), Add	25.97	
			For 3,500 PSI, Add	0.93	
			For 5,000 PSI, Add	1.59	
04 22 23	13-0028		Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23	13-0029		Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
			Note: Excludes concrete fill and reinforcing.		
04 22 23	13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	15.32	
			For Stacked Bond, Add	3.04	
			For Grout And Fill With 2 #5 Rebar, Add	9.48	
			For Scored Block, Add	0.73	
			For Curved Wall Application, Add	2.34	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0031 LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	16.94	
For Stacked Bond, Add	3.26	
For Grout And Fill With 2 #5 Rebar, Add	10.67	
For Scored Block, Add	0.88	
For Curved Wall Application, Add	2.51	
04 22 23 13-0032 LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	20.66	
For Stacked Bond, Add	4.16	
For Grout And Fill With 2 #5 Rebar, Add	12.67	
For Scored Block, Add	0.93	
For Curved Wall Application, Add	3.20	
04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034 LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	15.31	
For Stacked Bond, Add	3.17	
For Grout And Fill With 2 #5 Rebar, Add	9.22	
For Scored Block, Add	0.62	
For Curved Wall Application, Add	2.44	
For 3,500 PSI, Add	0.66	
For 5,000 PSI, Add	1.12	
04 22 23 13-0035 LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	16.81	
For Stacked Bond, Add	3.36	
For Grout And Fill With 2 #5 Rebar, Add	10.34	
For Scored Block, Add	0.77	
For Curved Wall Application, Add	2.59	
For 3,500 PSI, Add	0.81	
For 5,000 PSI, Add	1.39	
04 22 23 13-0036 LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	20.67	
For Stacked Bond, Add	4.30	
For Grout And Fill With 2 #5 Rebar, Add	12.41	
For Scored Block, Add	0.83	
For Curved Wall Application, Add	3.30	
For 3,500 PSI, Add	0.87	
For 5,000 PSI, Add	1.49	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)		
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23-0002 SF 4" x 8" x 16", Ground Face, Concrete Block	17.27	
For Stacked Bond, Add	3.52	
For Scored Block, Add	0.74	
For Curved Wall Application, Add	2.71	
For <10, Small Area Replacements (Individual Areas), Add	20.60	
04 22 23 23-0003 SF 6" x 8" x 16", Ground Face, Concrete Block	19.48	
For Stacked Bond, Add	3.96	
For Scored Block, Add	0.85	
For Curved Wall Application, Add	3.05	
For <10, Small Area Replacements (Individual Areas), Add	23.18	
04 22 23 23-0004 SF 8" x 8" x 16", Ground Face, Concrete Block	21.12	
For Stacked Bond, Add	4.19	
For Scored Block, Add	1.00	
For Curved Wall Application, Add	3.22	
For <10, Small Area Replacements (Individual Areas), Add	24.54	
04 22 23 23-0005 SF 10" x 8" x 16", Ground Face, Concrete Block	22.60	
For Stacked Bond, Add	4.44	
For Scored Block, Add	1.11	
For Curved Wall Application, Add	3.41	
For <10, Small Area Replacements (Individual Areas), Add	26.02	
04 22 23 23-0006 SF 12" x 8" x 16", Ground Face, Concrete Block	26.70	
For Stacked Bond, Add	5.37	
For Scored Block, Add	1.21	
For Curved Wall Application, Add	4.13	
For <10, Small Area Replacements (Individual Areas), Add	31.43	
04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)		
04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)		
04 22 23 26-0002 SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	23.83	
For Stacked Bond, Add	3.52	
For Curved Wall Application, Add	2.71	
For <10, Small Area Replacements (Individual Areas), Add	21.10	
04 22 23 26-0003 SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	26.77	
For Stacked Bond, Add	3.83	
For Curved Wall Application, Add	2.94	
For <10, Small Area Replacements (Individual Areas), Add	22.98	
04 22 23 26-0004 SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	30.97	
For Stacked Bond, Add	4.19	
For Curved Wall Application, Add	3.22	
For <10, Small Area Replacements (Individual Areas), Add	25.28	
04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)		

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 29-0001	Split Face, Concrete Blocks <small>(04 22 23 29)</small>	
04 22 23 29-0002	Plain Or Scored, Split Face, Concrete Blocks <small>(04 22 23 29-0001)</small>	
04 22 23 29-0003	SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block 17.72	
	For Stacked Bond, Add	3.52
	For Curved Wall Application, Add	2.71
	For <10, Small Area Replacements (Individual Areas), Add	20.64
04 22 23 29-0004	SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block 20.00	
	For Stacked Bond, Add	3.96
	For Curved Wall Application, Add	3.05
	For <10, Small Area Replacements (Individual Areas), Add	23.22
04 22 23 29-0005	SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block 21.71	
	For Stacked Bond, Add	4.19
	For Curved Wall Application, Add	3.22
	For <10, Small Area Replacements (Individual Areas), Add	24.59
04 22 23 29-0006	SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block 23.30	
	For Stacked Bond, Add	4.44
	For Curved Wall Application, Add	3.41
	For <10, Small Area Replacements (Individual Areas), Add	26.07
04 22 23 29-0007	SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block 27.11	
	For Stacked Bond, Add	5.37
	For Curved Wall Application, Add	4.13
	For <10, Small Area Replacements (Individual Areas), Add	31.46
04 22 23 29-0008	Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks <small>(04 22 23 29-0001)</small>	
04 22 23 29-0009	SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block 18.76	
	For Stacked Bond, Add	3.52
	For Grout And Fill With 2 #5 Rebar, Add	11.99
	For Curved Wall Application, Add	2.71
	For <10, Small Area Replacements (Individual Areas), Add	20.72
04 22 23 29-0010	SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block 21.19	
	For Stacked Bond, Add	3.96
	For Grout And Fill With 2 #5 Rebar, Add	13.57
	For Curved Wall Application, Add	3.05
	For <10, Small Area Replacements (Individual Areas), Add	23.31
04 22 23 29-0011	SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block 23.12	
	For Stacked Bond, Add	4.19
	For Grout And Fill With 2 #5 Rebar, Add	15.07
	For Curved Wall Application, Add	3.22
	For <10, Small Area Replacements (Individual Areas), Add	24.69
04 22 23 29-0012	SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block 24.86	
	For Stacked Bond, Add	4.44
	For Grout And Fill With 2 #5 Rebar, Add	16.33
	For Curved Wall Application, Add	3.41
	For <10, Small Area Replacements (Individual Areas), Add	26.19
04 22 23 29-0013	SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block 28.73	
	For Stacked Bond, Add	5.37
	For Grout And Fill With 2 #5 Rebar, Add	18.41
	For Curved Wall Application, Add	4.13
	For <10, Small Area Replacements (Individual Areas), Add	31.58
04 22 23 29-0014	Split Rib, Concrete Block <small>(04 22 23 29)</small>	
04 22 23 29-0015	Split Rib, Concrete Block <small>(04 22 23 29-0014)</small>	
04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block 17.38	
	For Stacked Bond, Add	3.52
	For Curved Wall Application, Add	2.71
	For <10, Small Area Replacements (Individual Areas), Add	20.61
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block 20.77	
	For Stacked Bond, Add	3.96
	For Curved Wall Application, Add	3.05
	For <10, Small Area Replacements (Individual Areas), Add	23.27
04 22 23 29-0018	SF 8" x 8" x 16", Split Rib, Concrete Block 22.12	
	For Stacked Bond, Add	4.19
	For Curved Wall Application, Add	3.22
	For <10, Small Area Replacements (Individual Areas), Add	24.62
04 22 23 29-0019	SF 10" x 8" x 16", Split Rib, Concrete Block 23.63	
	For Stacked Bond, Add	4.44
	For Curved Wall Application, Add	3.41
	For <10, Small Area Replacements (Individual Areas), Add	26.10
04 22 23 29-0020	SF 12" x 8" x 16", Split Rib, Concrete Block 27.84	
	For Stacked Bond, Add	5.37
	For Curved Wall Application, Add	4.13
	For <10, Small Area Replacements (Individual Areas), Add	31.51
04 22 23 31	Glazed Concrete Masonry Unit <small>(04 22 23)</small>	
04 22 23 31-0001	One Glazed Face, Concrete Blocks <small>(04 22 23 31)</small>	
04 22 23 31-0002	One Glazed Face, Concrete Blocks <small>(04 22 23 31-0001)</small>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0003	SF		4" x 8" x 16", One Glazed Face, Concrete Block	31.56	
			<i>For Stacked Bond, Add</i>	3.41	
			<i>For Curved Wall Application, Add</i>	2.63	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	21.08	
04 22 23 31-0004	SF		6" x 8" x 16", One Glazed Face, Concrete Block	33.77	
			<i>For Stacked Bond, Add</i>	3.76	
			<i>For Curved Wall Application, Add</i>	2.89	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.15	
04 22 23 31-0005	SF		8" x 8" x 16", One Glazed Face, Concrete Block	35.76	
			<i>For Stacked Bond, Add</i>	3.96	
			<i>For Curved Wall Application, Add</i>	3.05	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.40	
04 22 23 31-0006	SF		10" x 8" x 16", One Glazed Face, Concrete Block	37.89	
			<i>For Stacked Bond, Add</i>	4.19	
			<i>For Curved Wall Application, Add</i>	3.22	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	25.80	
04 22 23 31-0007	SF		12" x 8" x 16", One Glazed Face, Concrete Block	42.27	
			<i>For Stacked Bond, Add</i>	5.05	
			<i>For Curved Wall Application, Add</i>	3.89	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	30.86	
04 22 23 31-0008			Two Glazed Faces, Concrete Blocks <small>(04 22 23 31)</small>		
04 22 23 31-0009			Two Glazed Faces, Concrete Blocks <small>(04 22 23 31-0008)</small>		
04 22 23 31-0010	SF		4" x 8" x 16", Two Glazed Faces, Concrete Block	42.34	
			<i>For Stacked Bond, Add</i>	3.89	
			<i>For Curved Wall Application, Add</i>	2.99	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.51	
04 22 23 31-0011	SF		6" x 8" x 16", Two Glazed Faces, Concrete Block	44.38	
			<i>For Stacked Bond, Add</i>	4.19	
			<i>For Curved Wall Application, Add</i>	3.22	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	26.29	
04 22 23 31-0012	SF		8" x 8" x 16", Two Glazed Faces, Concrete Block	47.27	
			<i>For Stacked Bond, Add</i>	4.62	
			<i>For Curved Wall Application, Add</i>	3.56	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	28.88	

04 23 Glass Unit Masonry (04 20)

04 23 13 Vertical Glass Unit Masonry (04 23)

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	79.97
		<i>For Solar Reflective (Suntrol) Blocks, Add</i>	15.90
		<i>For Essex (Horizontal Striated) Blocks, Add</i>	9.08
		<i>For Sculptured Or Patterned Blocks, Add</i>	15.90
		<i>For Colored Glass, Add</i>	45.42
		<i>For Thinline Block, Deduct</i>	-11.36
		<i>For >1,000 To 5,000, Deduct</i>	-5.70
		<i>For >5,000, Deduct</i>	-9.69
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	57.55
		<i>For Solar Reflective (Suntrol) Blocks, Add</i>	11.25
		<i>For Essex (Horizontal Striated) Blocks, Add</i>	6.43
		<i>For Sculptured Or Patterned Blocks, Add</i>	11.25
		<i>For Colored Glass, Add</i>	32.15
		<i>For Thinline Block, Deduct</i>	-8.04
		<i>For >1,000 To 5,000, Deduct</i>	-4.13
		<i>For >5,000, Deduct</i>	-7.00
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	64.45
		<i>For Solar Reflective (Suntrol) Blocks, Add</i>	14.38
		<i>For Essex (Horizontal Striated) Blocks, Add</i>	8.22
		<i>For Sculptured Or Patterned Blocks, Add</i>	14.38
		<i>For Colored Glass, Add</i>	41.08
		<i>For Thinline Block, Deduct</i>	-10.27
		<i>For >1,000 To 5,000, Deduct</i>	-4.38
		<i>For >5,000, Deduct</i>	-7.59

04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®).....	760.16
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®).....	576.38
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®).....	394.76
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®).....	276.40

04 40 Stone Assemblies (04)

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

04 41 Dry-Placed Stone (04 40)

04 41 00 00-0001		Ashlar Veneer, Random Size, Square Cut Rough Stone <small>(04 41)</small>
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04	04	Masonry
	04 40	Stone Assemblies
	04 41	Dry-Placed Stone



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 41 00 00-0002 SF 4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	27.55	8.43
04 41 00 00-0003 SF 6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.01	8.43

04 42 Exterior Stone Cladding (04 40)

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

04 42 43 00-0001 Marble Facing Panels (04 42 43)

Note: 3' x 1.5'

04 42 43 00-0002 SF 3/4" Thick Marble Facing Panels	73.99	18.08
04 42 43 00-0003 SF 7/8" Thick Marble Facing Panels	78.07	18.32
04 42 43 00-0004 SF 1-1/2" Thick Marble Facing Panels	89.99	18.67
04 42 43 00-0005 SF 2" Thick Marble Facing Panels	98.80	19.25
04 42 43 00-0006 SF 2-1/4" Thick Marble Facing Panels	105.28	20.41
04 42 43 00-0007 CF Marble Face Panel	442.33	66.50

04 42 43 00-0008 Smooth Limestone Panels (04 42 43)

Note: Up to 12' x 5' panels.

04 42 43 00-0009 SF 1-1/2" Thick Smooth Limestone Panels	61.55	36.29
04 42 43 00-0010 SF 2" Thick Smooth Limestone Panels	65.21	38.04
04 42 43 00-0011 SF 3" Thick Smooth Limestone Panels	69.06	39.78
04 42 43 00-0012 SF 4" Thick Smooth Limestone Panels	79.70	43.75

04 42 43 00-0013 Sandstone Panels (04 42 43)

04 42 43 00-0014 SF 2-1/2" Thick Sandstone Panels	70.09	38.04
04 42 43 00-0015 SF 4" Thick Sandstone Panels	77.22	43.75
04 42 43 00-0016 SF Split Face Sandstone Panels, Random Sizes	71.43	43.75

04 43 Stone Masonry (04 40)

04 43 16 Stone Fabrications (04 43)

04 43 16 00-0001 Marble (04 43 16)

04 43 16 00-0002 Marble Base (04 43 16 00-0001)

Note: 1" thick.

04 43 16 00-0003 LF 4" High Marble Base	114.33	73.15
04 43 16 00-0004 LF 6" High Marble Base	129.45	79.70

04 43 16 00-0005 Marble Columns (04 43 16 00-0001)

04 43 16 00-0006 CF Plain Faced Solid Marble Columns	306.63	66.50
04 43 16 00-0007 CF Fluted, Carved Solid Marble Columns	506.00	66.50

04 43 16 00-0008 Marble Flooring (04 43 16 00-0001)

04 43 16 00-0009 SF 3/8" Uniform Color Marble Flooring	31.77	16.75
04 43 16 00-0010 SF 1/2" Uniform Color Marble Flooring	33.98	16.75
04 43 16 00-0011 SF 1/2" Travertine Marble Flooring	40.67	19.13

04 43 16 00-0012 Marble Items (04 43 16 00-0001)

04 43 16 00-0013 LF 12" Wide Marble Stair Treads	83.28	26.62
04 43 16 00-0014 LF 6" Wide Marble Stair Risers	63.50	21.34
04 43 16 00-0015 LF 6" Wide x 2" Thick Marble Window Sills	38.13	15.66
04 43 16 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished	73.23	19.22
04 43 16 00-0017 SF 7/8" Thick, Non-Skid, Marble Patio Blocks	42.58	24.29

04 43 16 00-0018 Limestone (04 43 16)

04 43 16 00-0019 Ashlar Veneer Limestone (04 43 16 00-0018)

04 43 16 00-0020 SF 4" Ashlar Veneer Limestone, Random Sizes	61.54	26.62
04 43 16 00-0021 SF 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	92.87	36.59

04 43 16 00-0022 Limestone Coping (04 43 16 00-0018)

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 43 16 00-0023 SF 2-1/2" Thick Limestone Coping	29.84	9.33
04 43 16 00-0024 SF 3" Thick Limestone Coping	33.23	9.92
04 43 16 00-0025 SF 3-1/2" Thick Limestone Coping	36.65	10.50
04 43 16 00-0026 SF 4" Thick Limestone Coping	38.88	10.86
04 43 16 00-0027 SF 5" Thick Limestone Coping	44.51	11.08
04 43 16 00-0028 SF 6" Thick Limestone Coping	63.29	11.66
04 43 16 00-0029 CF >6" Thick Limestone Coping	104.33	23.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0030 Limestone Stair Treads <small>(04 43 16 00-0018)</small>		
04 43 16 00-0031 SF 2" Thick Limestone Treads	36.38	8.75
04 43 16 00-0032 SF 2-1/2" Thick Limestone Treads	38.61	9.33
04 43 16 00-0033 SF 3" Thick Limestone Treads	43.07	9.92
04 43 16 00-0034 SF 3-1/2" Thick Limestone Treads	46.36	10.50
04 43 16 00-0035 SF 4" Thick Limestone Treads	49.65	10.50
04 43 16 00-0036 SF 5" Thick Limestone Treads	53.89	11.08
04 43 16 00-0037 SF 6" Thick Limestone Tread, Smooth Finish	72.95	11.66
04 43 16 00-0038 Limestone Items <small>(04 43 16 00-0018)</small>		
04 43 16 00-0039 CF Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	188.06	89.21
04 43 16 00-0040 Granite <small>(04 43 16)</small>		
04 43 16 00-0041 Polished Granite Veneer Facing Panels <small>(04 43 16 00-0040)</small>		
<small>Note: Excludes structural support steel.</small>		
04 43 16 00-0042 SF 7/8" Thick Black Polished Granite Veneer Facing Panels	108.23	36.52
04 43 16 00-0043 SF 7/8" Thick Gray Polished Granite Veneer Facing Panels	98.81	36.52
04 43 16 00-0044 Granite Stair Treads <small>(04 43 16 00-0040)</small>		
04 43 16 00-0045 SF 2" Thick Granite Stair Tread	63.22	8.75
04 43 16 00-0046 Slate <small>(04 43 16)</small>		
04 43 16 00-0047 Slate Panels Or Sills <small>(04 43 16 00-0046)</small>		
04 43 16 00-0048 SF 1" Thick Slate Panels	63.35	36.52
04 43 16 00-0049 SF 2" Thick Slate Panels	72.87	36.52
04 43 16 00-0050 Slate Sills Or Stools <small>(04 43 16 00-0046)</small>		
04 43 16 00-0051 LF 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	28.80	15.76
04 43 16 00-0052 LF 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	34.85	15.76
04 43 16 00-0053 LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	34.00	15.76
04 43 16 00-0054 LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	46.98	15.76
04 43 16 00-0055 Slate Stair Treads <small>(04 43 16 00-0046)</small>		
04 43 16 00-0056 SF 2" Thick Slate Stair Tread	42.27	8.75
04 50 Refractory Masonry <small>(04)</small>		
04 51 Flue Liner Masonry <small>(04 50)</small>		
<small>Note: Includes mortar joints.</small>		
04 51 00 00-0001 Rectangular Flue Liners <small>(04 51)</small>		
04 51 00 00-0002 VLF 4" x 8" Clay Flue Liners	20.17	
04 51 00 00-0003 VLF 8" x 8" Clay Flue Liners	27.70	
04 51 00 00-0004 VLF 8" x 12" Clay Flue Liners	31.60	
04 51 00 00-0005 VLF 12" x 12" Clay Flue Liners	39.32	
04 51 00 00-0006 VLF 12" x 16" Clay Flue Liners	47.87	
04 51 00 00-0007 VLF 12" x 18" Clay Flue Liners	54.39	
04 51 00 00-0008 VLF 16" x 16" Clay Flue Liners	59.34	
04 51 00 00-0009 VLF 16" x 20" Clay Flue Liners	73.07	
04 51 00 00-0010 VLF 18" x 18" Clay Flue Liners	78.06	
04 51 00 00-0011 VLF 20" x 20" Clay Flue Liners	100.43	
04 51 00 00-0012 VLF 20" x 24" Clay Flue Liners	109.40	
04 51 00 00-0013 VLF 24" x 24" Clay Flue Liners	129.61	
04 51 00 00-0014 Round Flue Liners <small>(04 51)</small>		
04 51 00 00-0015 VLF 6" Diameter Clay Flue Liners	48.94	
04 51 00 00-0016 VLF 8" Diameter Clay Flue Liners	70.94	
04 51 00 00-0017 VLF 10" Diameter Clay Flue Liners	93.19	
04 51 00 00-0018 VLF 12" Diameter Clay Flue Liners	113.39	
04 51 00 00-0019 VLF 15" Diameter Clay Flue Liners	138.94	
04 51 00 00-0020 VLF 18" Diameter Clay Flue Liners	150.16	
04 51 00 00-0021 VLF 21" Diameter Clay Flue Liners	191.52	
04 51 00 00-0022 VLF 24" Diameter Clay Flue Liners	235.11	
04 51 00 00-0023 VLF 27" Diameter Clay Flue Liners	271.30	
04 51 00 00-0024 VLF 30" Diameter Clay Flue Liners	308.55	
04 51 00 00-0025 VLF 33" Diameter Clay Flue Liners	323.73	
04 51 00 00-0026 VLF 36" Diameter Clay Flue Liners	329.53	

04	04	Masonry
	04 50	Refractory Masonry
	04 51	Flue Liner Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 51 00 00-0027	Standard Chimney Block <small>(04 51)</small>		
	<small>Note: Includes refractory mortar. Excludes flue liners.</small>		
04 51 00 00-0028	EA 14" x 14" x 8" Concrete Block Chimney Unit	33.22	
04 51 00 00-0029	EA 14" x 18" x 8" Concrete Block Chimney Unit	36.40	
04 51 00 00-0030	EA 16" x 16" x 8" Concrete Block Chimney Unit	36.63	
04 51 00 00-0031	EA 17" x 17" x 8" Concrete Block Chimney Unit	38.44	
04 51 00 00-0032	EA 16" x 20" x 8" Concrete Block Chimney Unit	40.47	
04 51 00 00-0033	EA 17" x 21" x 8" Concrete Block Chimney Unit	42.65	
04 51 00 00-0034	EA 21" x 21" x 8" Concrete Block Chimney Unit	48.19	

04 70 Manufactured Masonry (04)

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001	Precast Concrete Lintels <small>(04 72)</small>		
04 72 00 00-0002	Solid Precast Concrete Lintels <small>(04 72 00 00-0001)</small>		
04 72 00 00-0003	LF 4" x 8", Solid Precast Concrete Lintel	18.10	
04 72 00 00-0004	LF 6" x 8", Solid Precast Concrete Lintel	23.08	
04 72 00 00-0005	LF 8" x 8", Solid Precast Concrete Lintel	28.53	

04 72 00 00-0006	U Shaped Precast Concrete Lintels <small>(04 72 00 00-0001)</small>		
	<small>Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.</small>		
04 72 00 00-0007	LF 6" x 8", U Shaped Precast Concrete Lintel	19.40	
04 72 00 00-0008	LF 8" x 8", U Shaped Precast Concrete Lintel	23.54	
04 72 00 00-0009	LF 12" x 8", U Shaped Precast Concrete Lintel	38.73	

04 72 00 00-0010	Precast Concrete Coping <small>(04 72)</small>		
	<small>Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.</small>		

04 72 00 00-0011	Precast Concrete Coping <small>(04 72 00 00-0010)</small>		
	<small>Note: Measured at highest point.</small>		
04 72 00 00-0012	SF 2" Thick Precast Concrete Coping	57.17	12.88
04 72 00 00-0013	SF 2-1/2" Thick Precast Concrete Coping	64.58	13.88
04 72 00 00-0014	SF 3" Thick Precast Concrete Coping	74.64	14.87
04 72 00 00-0015	SF 3-1/2" Thick Precast Concrete Coping	80.39	15.86
04 72 00 00-0016	SF 4" Thick Precast Concrete Coping	86.20	16.85
04 72 00 00-0017	SF 5" Thick Precast Concrete Coping	102.61	17.85
04 72 00 00-0018	SF 6" Thick Precast Concrete Coping	117.20	18.83

04 72 00 00-0019	Precast Concrete Window Sills <small>(04 72)</small>		
	<small>Note: Includes caulk and ties.</small>		

04 72 00 00-0020	Precast Concrete Window Sills <small>(04 72 00 00-0019)</small>		
04 72 00 00-0021	LF 6" Wide Precast Concrete Window Sill	41.95	9.91
04 72 00 00-0022	LF 10" Wide Precast Concrete Window Sill	63.19	9.91
04 72 00 00-0023	LF 14" Wide Precast Concrete Window Sill	74.75	9.91

END OF SECTION 04



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

05 05 Common Work Results for Metals (05 05)

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

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

05 05 19 00-0001	Concrete And Masonry Anchors <small>(05 05 19)</small>		
05 05 19 00-0002	Expansion Anchors <small>(05 05 19 00-0001)</small> <small>Note: Includes drilling.</small>		
05 05 19 00-0003	Wedge Expansion Bolt Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small> <small>Note: Includes nut and washer.</small>		
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	13.83	
	<i>For >10 To 50, Deduct</i>	-0.63	
	<i>For >50 To 100, Deduct</i>	-1.29	
	<i>For >100, Deduct</i>	-2.58	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.02	
	<i>For >10 To 50, Deduct</i>	-0.63	
	<i>For >50 To 100, Deduct</i>	-1.29	
	<i>For >100, Deduct</i>	-2.59	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.49	
	<i>For >10 To 50, Deduct</i>	-0.65	
	<i>For >50 To 100, Deduct</i>	-1.33	
	<i>For >100, Deduct</i>	-2.66	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.06	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100, Deduct</i>	-3.15	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.21	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.58	
	<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.27	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.58	
	<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.83	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.59	
	<i>For >100, Deduct</i>	-3.19	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.95	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.26	
	<i>For >100, Deduct</i>	-4.51	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.07	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.26	
	<i>For >100, Deduct</i>	-4.52	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.30	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.26	
	<i>For >100, Deduct</i>	-4.53	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.93	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.28	
	<i>For >100, Deduct</i>	-4.56	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.80	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.30	
	<i>For >100, Deduct</i>	-4.60	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.27	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-2.85	
	<i>For >100, Deduct</i>	-5.69	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.46	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-2.85	
	<i>For >100, Deduct</i>	-5.70	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.86	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-2.86	
	<i>For >100, Deduct</i>	-5.72	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.63	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-2.88	
	<i>For >100, Deduct</i>	-5.76	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	35.41	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-2.90	
	<i>For >100, Deduct</i>	-5.80	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0022	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.52	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-3.05	
	For >100, Deduct	-6.10	
05 05 19 00-0023	EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	46.77	
	For >10 To 50, Deduct	-1.34	
	For >50 To 100, Deduct	-3.18	
	For >100, Deduct	-6.37	
05 05 19 00-0024	EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.45	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.41	
	For >100, Deduct	-6.82	
05 05 19 00-0025	EA 3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.61	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.41	
	For >100, Deduct	-6.82	
05 05 19 00-0026	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.55	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.44	
	For >100, Deduct	-6.87	
05 05 19 00-0027	EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	42.67	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.46	
	For >100, Deduct	-6.93	
05 05 19 00-0028	EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.96	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.50	
	For >100, Deduct	-6.99	
05 05 19 00-0029	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	48.86	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.62	
	For >100, Deduct	-7.24	
05 05 19 00-0030	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	55.38	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.78	
	For >100, Deduct	-7.56	
05 05 19 00-0031	EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	62.74	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.97	
	For >100, Deduct	-7.93	
05 05 19 00-0032	EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	58.93	
	For >10 To 50, Deduct	-1.73	
	For >50 To 100, Deduct	-4.07	
	For >100, Deduct	-8.15	
05 05 19 00-0033	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	62.80	
	For >10 To 50, Deduct	-1.73	
	For >50 To 100, Deduct	-4.17	
	For >100, Deduct	-8.34	
05 05 19 00-0034	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	67.93	
	For >10 To 50, Deduct	-1.73	
	For >50 To 100, Deduct	-4.30	
	For >100, Deduct	-8.60	
05 05 19 00-0035	EA 1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	71.86	
	For >10 To 50, Deduct	-2.24	
	For >50 To 100, Deduct	-5.16	
	For >100, Deduct	-10.33	
05 05 19 00-0036	EA 1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	79.15	
	For >10 To 50, Deduct	-2.24	
	For >50 To 100, Deduct	-5.34	
	For >100, Deduct	-10.69	
05 05 19 00-0037	EA 1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	86.37	
	For >10 To 50, Deduct	-2.24	
	For >50 To 100, Deduct	-5.53	
	For >100, Deduct	-11.05	
05 05 19 00-0038	EA 1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	94.19	
	For >10 To 50, Deduct	-2.87	
	For >50 To 100, Deduct	-6.66	
	For >100, Deduct	-13.33	
05 05 19 00-0039	EA 1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	99.40	
	For >10 To 50, Deduct	-2.87	
	For >50 To 100, Deduct	-6.79	
	For >100, Deduct	-13.59	
05 05 19 00-0040	304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
	Note: Includes nut and washer.		
05 05 19 00-0041	EA 1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.02	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.64	
05 05 19 00-0042	EA 1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.59	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043	EA			1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.28	
				<i>For >10 To 50, Deduct</i>	-0.65	
				<i>For >50 To 100, Deduct</i>	-1.38	
				<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0044	EA			3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.40	
				<i>For >10 To 50, Deduct</i>	-0.77	
				<i>For >50 To 100, Deduct</i>	-1.63	
				<i>For >100, Deduct</i>	-3.27	
05 05 19 00-0045	EA			3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.89	
				<i>For >10 To 50, Deduct</i>	-0.77	
				<i>For >50 To 100, Deduct</i>	-1.64	
				<i>For >100, Deduct</i>	-3.29	
05 05 19 00-0046	EA			3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.24	
				<i>For >10 To 50, Deduct</i>	-0.77	
				<i>For >50 To 100, Deduct</i>	-1.65	
				<i>For >100, Deduct</i>	-3.31	
05 05 19 00-0047	EA			3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.90	
				<i>For >10 To 50, Deduct</i>	-0.77	
				<i>For >50 To 100, Deduct</i>	-1.72	
				<i>For >100, Deduct</i>	-3.44	
05 05 19 00-0048	EA			1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.35	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.39	
				<i>For >100, Deduct</i>	-4.78	
05 05 19 00-0049	EA			1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.27	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.41	
				<i>For >100, Deduct</i>	-4.83	
05 05 19 00-0050	EA			1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.80	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.43	
				<i>For >100, Deduct</i>	-4.85	
05 05 19 00-0051	EA			1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.22	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.49	
				<i>For >100, Deduct</i>	-4.98	
05 05 19 00-0052	EA			1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.86	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.58	
				<i>For >100, Deduct</i>	-5.16	
05 05 19 00-0053	EA			5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.27	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-3.12	
				<i>For >100, Deduct</i>	-6.24	
05 05 19 00-0054	EA			5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	46.64	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-3.18	
				<i>For >100, Deduct</i>	-6.36	
05 05 19 00-0055	EA			5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	49.20	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-3.24	
				<i>For >100, Deduct</i>	-6.49	
05 05 19 00-0056	EA			5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	52.59	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-3.33	
				<i>For >100, Deduct</i>	-6.66	
05 05 19 00-0057	EA			5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.52	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-3.70	
				<i>For >100, Deduct</i>	-7.40	
05 05 19 00-0058	EA			3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	52.88	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-3.72	
				<i>For >100, Deduct</i>	-7.44	
05 05 19 00-0059	EA			3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.68	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-3.84	
				<i>For >100, Deduct</i>	-7.68	
05 05 19 00-0060	EA			3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	61.79	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-3.94	
				<i>For >100, Deduct</i>	-7.88	
05 05 19 00-0061	EA			3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	62.29	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-3.95	
				<i>For >100, Deduct</i>	-7.91	
05 05 19 00-0062	EA			3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	66.14	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-4.05	
				<i>For >100, Deduct</i>	-8.10	
05 05 19 00-0063	EA			3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	76.14	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-4.30	
				<i>For >100, Deduct</i>	-8.60	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0064	EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	90.25	
	<i>For >10 To 50, Deduct</i>	-1.60	
	<i>For >50 To 100, Deduct</i>	-4.65	
	<i>For >100, Deduct</i>	-9.31	
05 05 19 00-0065	EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	90.34	
	<i>For >10 To 50, Deduct</i>	-1.73	
	<i>For >50 To 100, Deduct</i>	-4.86	
	<i>For >100, Deduct</i>	-9.72	
05 05 19 00-0066	EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	132.19	
	<i>For >10 To 50, Deduct</i>	-2.24	
	<i>For >50 To 100, Deduct</i>	-6.67	
	<i>For >100, Deduct</i>	-13.34	
05 05 19 00-0067	EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	153.05	
	<i>For >10 To 50, Deduct</i>	-2.24	
	<i>For >50 To 100, Deduct</i>	-7.19	
	<i>For >100, Deduct</i>	-14.38	
05 05 19 00-0068	316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
	Note: Includes nut and washer.		
05 05 19 00-0069	EA 1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.51	
	<i>For >10 To 50, Deduct</i>	-0.63	
	<i>For >50 To 100, Deduct</i>	-1.33	
	<i>For >100, Deduct</i>	-2.66	
05 05 19 00-0070	EA 1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.49	
	<i>For >10 To 50, Deduct</i>	-0.65	
	<i>For >50 To 100, Deduct</i>	-1.38	
	<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0071	EA 3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.98	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.67	
	<i>For >100, Deduct</i>	-3.34	
05 05 19 00-0072	EA 3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.82	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.69	
	<i>For >100, Deduct</i>	-3.39	
05 05 19 00-0073	EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.04	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.70	
	<i>For >100, Deduct</i>	-3.40	
05 05 19 00-0074	EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.04	
	<i>For >10 To 50, Deduct</i>	-0.77	
	<i>For >50 To 100, Deduct</i>	-1.80	
	<i>For >100, Deduct</i>	-3.60	
05 05 19 00-0075	EA 1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.18	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.49	
	<i>For >100, Deduct</i>	-4.97	
05 05 19 00-0076	EA 1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.51	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.54	
	<i>For >100, Deduct</i>	-5.09	
05 05 19 00-0077	EA 1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.73	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.65	
	<i>For >100, Deduct</i>	-5.30	
05 05 19 00-0078	EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.78	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.68	
	<i>For >100, Deduct</i>	-5.35	
05 05 19 00-0079	EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.20	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-3.44	
	<i>For >100, Deduct</i>	-6.89	
05 05 19 00-0080	EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	58.47	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-3.48	
	<i>For >100, Deduct</i>	-6.95	
05 05 19 00-0081	EA 3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	70.97	
	<i>For >10 To 50, Deduct</i>	-1.60	
	<i>For >50 To 100, Deduct</i>	-4.17	
	<i>For >100, Deduct</i>	-8.34	
05 05 19 00-0082	EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	76.24	
	<i>For >10 To 50, Deduct</i>	-1.60	
	<i>For >50 To 100, Deduct</i>	-4.30	
	<i>For >100, Deduct</i>	-8.61	
05 05 19 00-0083	Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
	Note: Includes nut and washer.		
05 05 19 00-0084	EA 1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.55	
	<i>For >10 To 50, Deduct</i>	-1.09	
	<i>For >50 To 100, Deduct</i>	-2.32	
	<i>For >100, Deduct</i>	-4.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA			1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	29.07	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.36	
				<i>For >100, Deduct</i>	-4.72	
05 05 19 00-0086	EA			1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.60	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.40	
				<i>For >100, Deduct</i>	-4.79	
05 05 19 00-0087	EA			1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.36	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.42	
				<i>For >100, Deduct</i>	-4.83	
05 05 19 00-0088	EA			5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	37.83	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-2.96	
				<i>For >100, Deduct</i>	-5.92	
05 05 19 00-0089	EA			5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	35.99	
				<i>For >10 To 50, Deduct</i>	-1.34	
				<i>For >50 To 100, Deduct</i>	-2.91	
				<i>For >100, Deduct</i>	-5.83	
05 05 19 00-0090	EA			3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.04	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-3.62	
				<i>For >100, Deduct</i>	-7.25	
05 05 19 00-0091	EA			3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	50.72	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-3.67	
				<i>For >100, Deduct</i>	-7.33	
05 05 19 00-0092	EA			3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	58.96	
				<i>For >10 To 50, Deduct</i>	-1.60	
				<i>For >50 To 100, Deduct</i>	-3.87	
				<i>For >100, Deduct</i>	-7.74	
05 05 19 00-0093	EA			1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	62.45	
				<i>For >10 To 50, Deduct</i>	-2.24	
				<i>For >50 To 100, Deduct</i>	-4.93	
				<i>For >100, Deduct</i>	-9.85	
05 05 19 00-0094	EA			1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	67.20	
				<i>For >10 To 50, Deduct</i>	-2.24	
				<i>For >50 To 100, Deduct</i>	-5.05	
				<i>For >100, Deduct</i>	-10.09	
05 05 19 00-0095	EA			1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	71.90	
				<i>For >10 To 50, Deduct</i>	-2.24	
				<i>For >50 To 100, Deduct</i>	-5.16	
				<i>For >100, Deduct</i>	-10.33	
05 05 19 00-0096				Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097				Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
				Note: Includes nut and washer.		
05 05 19 00-0098	EA			1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.77	
				<i>For >10 To 50, Deduct</i>	-0.64	
				<i>For >50 To 100, Deduct</i>	-1.31	
				<i>For >100, Deduct</i>	-2.62	
05 05 19 00-0099	EA			1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.05	
				<i>For >10 To 50, Deduct</i>	-0.64	
				<i>For >50 To 100, Deduct</i>	-1.32	
				<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0100	EA			1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.39	
				<i>For >10 To 50, Deduct</i>	-0.64	
				<i>For >50 To 100, Deduct</i>	-1.32	
				<i>For >100, Deduct</i>	-2.65	
05 05 19 00-0101	EA			5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.54	
				<i>For >10 To 50, Deduct</i>	-0.68	
				<i>For >50 To 100, Deduct</i>	-1.38	
				<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0102	EA			5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.80	
				<i>For >10 To 50, Deduct</i>	-0.68	
				<i>For >50 To 100, Deduct</i>	-1.38	
				<i>For >100, Deduct</i>	-2.77	
05 05 19 00-0103	EA			3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.48	
				<i>For >10 To 50, Deduct</i>	-0.76	
				<i>For >50 To 100, Deduct</i>	-1.56	
				<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0104	EA			3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.95	
				<i>For >10 To 50, Deduct</i>	-0.76	
				<i>For >50 To 100, Deduct</i>	-1.57	
				<i>For >100, Deduct</i>	-3.14	
05 05 19 00-0105	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.40	
				<i>For >10 To 50, Deduct</i>	-0.76	
				<i>For >50 To 100, Deduct</i>	-1.58	
				<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0106	EA			1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.91	
				<i>For >10 To 50, Deduct</i>	-1.09	
				<i>For >50 To 100, Deduct</i>	-2.23	
				<i>For >100, Deduct</i>	-4.46	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.50	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.24	
			<i>For >100, Deduct</i>	-4.48	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.01	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.26	
			<i>For >100, Deduct</i>	-4.51	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.62	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.54	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.22	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.77	
			<i>For >100, Deduct</i>	-5.54	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.11	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.79	
			<i>For >100, Deduct</i>	-5.58	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.79	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100, Deduct</i>	-5.62	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	33.71	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.86	
			<i>For >100, Deduct</i>	-5.71	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	37.58	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-3.34	
			<i>For >100, Deduct</i>	-6.67	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.24	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-3.38	
			<i>For >100, Deduct</i>	-6.75	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	40.74	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-3.41	
			<i>For >100, Deduct</i>	-6.83	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	43.13	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-3.47	
			<i>For >100, Deduct</i>	-6.95	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	15.89	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.72	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.95	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100, Deduct</i>	-3.34	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	23.20	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.73	
			<i>For >100, Deduct</i>	-3.45	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	31.34	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.41	
			<i>For >100, Deduct</i>	-4.83	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	35.38	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100, Deduct</i>	-5.03	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	48.81	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-3.23	
			<i>For >100, Deduct</i>	-6.47	
05 05 19 00-0125			Concrete Strike Anchors (05 05 19 00-0002)		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.13	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100, Deduct</i>	-2.69	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.60	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.35	
			<i>For >100, Deduct</i>	-2.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.22	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100, Deduct</i>	-2.84	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	18.16	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.93	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	18.60	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100, Deduct</i>	-3.22	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	20.05	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100, Deduct</i>	-3.30	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	21.17	
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100, Deduct</i>	-3.35	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	27.52	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.32	
<i>For >100, Deduct</i>	-4.64	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	28.39	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.34	
<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	30.94	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.40	
<i>For >100, Deduct</i>	-4.81	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	34.25	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.49	
<i>For >100, Deduct</i>	-4.97	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	37.88	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-2.96	
<i>For >100, Deduct</i>	-5.92	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	40.93	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.04	
<i>For >100, Deduct</i>	-6.07	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	43.62	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.10	
<i>For >100, Deduct</i>	-6.21	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	50.30	
<i>For >10 To 50, Deduct</i>	-1.60	
<i>For >50 To 100, Deduct</i>	-3.65	
<i>For >100, Deduct</i>	-7.31	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	53.16	
<i>For >10 To 50, Deduct</i>	-1.60	
<i>For >50 To 100, Deduct</i>	-3.73	
<i>For >100, Deduct</i>	-7.45	
 05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.11	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100, Deduct</i>	-3.64	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	23.41	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100, Deduct</i>	-4.44	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	29.12	
<i>For >10 To 50, Deduct</i>	-1.29	
<i>For >50 To 100, Deduct</i>	-2.66	
<i>For >100, Deduct</i>	-5.31	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	33.62	
<i>For >10 To 50, Deduct</i>	-1.41	
<i>For >50 To 100, Deduct</i>	-2.96	
<i>For >100, Deduct</i>	-5.92	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	41.36	
<i>For >10 To 50, Deduct</i>	-1.61	
<i>For >50 To 100, Deduct</i>	-3.45	
<i>For >100, Deduct</i>	-6.89	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	23.57	
			<i>For >10 To 50, Deduct</i>	-0.89	
			<i>For >50 To 100, Deduct</i>	-1.93	
			<i>For >100, Deduct</i>	-3.86	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	32.00	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.44	
			<i>For >100, Deduct</i>	-4.87	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	40.17	
			<i>For >10 To 50, Deduct</i>	-1.29	
			<i>For >50 To 100, Deduct</i>	-2.93	
			<i>For >100, Deduct</i>	-5.87	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	51.44	
			<i>For >10 To 50, Deduct</i>	-1.41	
			<i>For >50 To 100, Deduct</i>	-3.40	
			<i>For >100, Deduct</i>	-6.81	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	72.00	
			<i>For >10 To 50, Deduct</i>	-1.61	
			<i>For >50 To 100, Deduct</i>	-4.21	
			<i>For >100, Deduct</i>	-8.42	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.18	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.64	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	15.31	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100, Deduct</i>	-2.79	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	17.30	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	25.62	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.54	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	37.51	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.95	
			<i>For >100, Deduct</i>	-5.90	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	45.52	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-3.53	
			<i>For >100, Deduct</i>	-7.07	
05 05 19 00-0162			Concrete Lag Shield Anchors (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	13.89	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100, Deduct</i>	-2.62	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	16.52	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	17.35	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100, Deduct</i>	-3.16	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	24.43	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.24	
			<i>For >100, Deduct</i>	-4.48	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	35.68	
			<i>For >10 To 50, Deduct</i>	-1.34	
			<i>For >50 To 100, Deduct</i>	-2.91	
			<i>For >100, Deduct</i>	-5.81	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	38.94	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-3.37	
			<i>For >100, Deduct</i>	-6.74	
05 05 19 00-0169			Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170			Chemically Adhered Anchor Rods (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171	EA			1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	19.54	
				For >10 To 50, Deduct	-0.71	
				For >50 To 100, Deduct	-1.55	
				For >100, Deduct	-3.10	
05 05 19 00-0172	EA			5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	23.29	
				For >10 To 50, Deduct	-0.77	
				For >50 To 100, Deduct	-1.74	
				For >100, Deduct	-3.48	
05 05 19 00-0173	EA			3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	28.84	
				For >10 To 50, Deduct	-0.96	
				For >50 To 100, Deduct	-2.17	
				For >100, Deduct	-4.34	
05 05 19 00-0174	EA			1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	34.34	
				For >10 To 50, Deduct	-1.09	
				For >50 To 100, Deduct	-2.49	
				For >100, Deduct	-4.98	
05 05 19 00-0175	EA			1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	37.21	
				For >10 To 50, Deduct	-1.09	
				For >50 To 100, Deduct	-2.56	
				For >100, Deduct	-5.12	
05 05 19 00-0176	EA			5/8" x 7" Long Chemically Adhered Anchor Rod	46.07	
				For >10 To 50, Deduct	-1.34	
				For >50 To 100, Deduct	-3.16	
				For >100, Deduct	-6.33	
05 05 19 00-0177	EA			3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	61.73	
				For >10 To 50, Deduct	-1.60	
				For >50 To 100, Deduct	-3.94	
				For >100, Deduct	-7.88	
05 05 19 00-0178	EA			7/8" x 10" Long Chemically Adhered Anchor Rod	75.29	
				For >10 To 50, Deduct	-1.73	
				For >50 To 100, Deduct	-4.48	
				For >100, Deduct	-8.95	
05 05 19 00-0179	EA			1" x 11-3/4" Long Chemically Adhered Anchor Rod	104.43	
				For >10 To 50, Deduct	-2.24	
				For >50 To 100, Deduct	-5.98	
				For >100, Deduct	-11.95	
05 05 19 00-0180	EA			1-1/4" x 14" Long Chemically Adhered Anchor Rod	154.97	
				For >10 To 50, Deduct	-2.83	
				For >50 To 100, Deduct	-8.12	
				For >100, Deduct	-16.23	
05 05 19 00-0181				Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
				Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA			1/4" Chemical Adhesive For Bolt Or Threaded Rod	14.81	
				For >10 To 50, Deduct	-0.71	
				For >50 To 100, Deduct	-1.43	
				For >100, Deduct	-2.86	
05 05 19 00-0183	EA			5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	16.26	
				For >10 To 50, Deduct	-0.77	
				For >50 To 100, Deduct	-1.56	
				For >100, Deduct	-3.13	
05 05 19 00-0184	EA			3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	19.11	
				For >10 To 50, Deduct	-0.90	
				For >50 To 100, Deduct	-1.83	
				For >100, Deduct	-3.66	
05 05 19 00-0185	EA			1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	23.30	
				For >10 To 50, Deduct	-1.09	
				For >50 To 100, Deduct	-2.21	
				For >100, Deduct	-4.42	
05 05 19 00-0186	EA			5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	27.09	
				For >10 To 50, Deduct	-1.16	
				For >50 To 100, Deduct	-2.42	
				For >100, Deduct	-4.85	
05 05 19 00-0187	EA			3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	35.22	
				For >10 To 50, Deduct	-1.43	
				For >50 To 100, Deduct	-3.02	
				For >100, Deduct	-6.04	
05 05 19 00-0188	EA			7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	39.51	
				For >10 To 50, Deduct	-1.53	
				For >50 To 100, Deduct	-3.28	
				For >100, Deduct	-6.57	
05 05 19 00-0189	EA			1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	50.27	
				For >10 To 50, Deduct	-1.85	
				For >50 To 100, Deduct	-4.02	
				For >100, Deduct	-8.05	
05 05 19 00-0190	EA			1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	56.44	
				For >10 To 50, Deduct	-2.00	
				For >50 To 100, Deduct	-4.41	
				For >100, Deduct	-8.82	
05 05 19 00-0191	EA			1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	66.64	
				For >10 To 50, Deduct	-2.26	
				For >50 To 100, Deduct	-5.06	
				For >100, Deduct	-10.12	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0192	EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	76.11	
	<i>For >10 To 50, Deduct</i>	-2.47	
	<i>For >50 To 100, Deduct</i>	-5.61	
	<i>For >100, Deduct</i>	-11.21	
05 05 19 00-0193	EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	89.39	
	<i>For >10 To 50, Deduct</i>	-2.69	
	<i>For >50 To 100, Deduct</i>	-6.27	
	<i>For >100, Deduct</i>	-12.53	
05 05 19 00-0194	EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	116.61	
	<i>For >10 To 50, Deduct</i>	-3.16	
	<i>For >50 To 100, Deduct</i>	-7.65	
	<i>For >100, Deduct</i>	-15.30	
05 05 19 00-0195	EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	183.19	
	<i>For >10 To 50, Deduct</i>	-3.81	
	<i>For >50 To 100, Deduct</i>	-10.30	
	<i>For >100, Deduct</i>	-20.60	
05 05 19 00-0196	Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0197	EA Grout Concrete Anchor Bolt or Threaded Rod.....	4.98	
	<i>For >10 To 50, Deduct</i>	-0.24	
	<i>For >50 To 100, Deduct</i>	-0.49	
	<i>For >100, Deduct</i>	-0.97	
05 05 19 00-0198	Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199	Tapcon Masonry Screws (05 05 19 00-0198)		
	Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	13.39	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.30	
	<i>For >100, Deduct</i>	-2.60	
05 05 19 00-0201	EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	13.54	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.30	
	<i>For >100, Deduct</i>	-2.61	
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	13.84	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.31	
	<i>For >100, Deduct</i>	-2.62	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	13.56	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.30	
	<i>For >100, Deduct</i>	-2.61	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	13.73	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.31	
	<i>For >100, Deduct</i>	-2.62	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	14.10	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.32	
	<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0206	Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	14.20	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.32	
	<i>For >100, Deduct</i>	-2.64	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	14.69	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.33	
	<i>For >100, Deduct</i>	-2.66	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	14.82	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.34	
	<i>For >100, Deduct</i>	-2.67	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	15.05	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.34	
	<i>For >100, Deduct</i>	-2.68	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	15.25	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.35	
	<i>For >100, Deduct</i>	-2.69	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	15.67	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.36	
	<i>For >100, Deduct</i>	-2.71	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.19	
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.37	
	<i>For >100, Deduct</i>	-2.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	16.67	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.76	
05 05 19 00-0215 EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	18.01	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.41	
<i>For >100, Deduct</i>	-2.83	
05 05 19 00-0216 EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	18.17	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100, Deduct</i>	-2.84	
05 05 19 00-0217 EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	18.98	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100, Deduct</i>	-2.88	
05 05 19 00-0218 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	19.82	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.92	
05 05 19 00-0219 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	20.36	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.95	
05 05 19 00-0220 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	20.12	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.94	
05 05 19 00-0221 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	20.90	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100, Deduct</i>	-2.97	
05 05 19 00-0222 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	22.71	
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.06	
05 05 19 00-0223 Pin Bolt Drives <small>(05 05 19 00-0198)</small>		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	8.54	
<i>For >10 To 50, Deduct</i>	-0.39	
<i>For >50 To 100, Deduct</i>	-0.79	
<i>For >100, Deduct</i>	-1.59	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	8.54	
<i>For >10 To 50, Deduct</i>	-0.39	
<i>For >50 To 100, Deduct</i>	-0.79	
<i>For >100, Deduct</i>	-1.59	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	8.65	
<i>For >10 To 50, Deduct</i>	-0.39	
<i>For >50 To 100, Deduct</i>	-0.80	
<i>For >100, Deduct</i>	-1.59	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	8.68	
<i>For >10 To 50, Deduct</i>	-0.39	
<i>For >50 To 100, Deduct</i>	-0.80	
<i>For >100, Deduct</i>	-1.59	
05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors <small>(05 05 19 00-0198)</small>		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor.....	2.25	
<i>For >10 To 50, Deduct</i>	-0.09	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100, Deduct</i>	-0.37	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor.....	2.39	
<i>For >10 To 50, Deduct</i>	-0.09	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100, Deduct</i>	-0.39	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor.....	2.60	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100, Deduct</i>	-0.42	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.92	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.45	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	3.14	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0198)</small>		

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0235	EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	2.81	
	<i>For >10 To 50, Deduct</i>	-0.09	
	<i>For >50 To 100, Deduct</i>	-0.21	
	<i>For >100, Deduct</i>	-0.41	
05 05 19 00-0236	EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	3.96	
	<i>For >10 To 50, Deduct</i>	-0.11	
	<i>For >50 To 100, Deduct</i>	-0.26	
	<i>For >100, Deduct</i>	-0.53	
05 05 21 Fastening Methods for Metal <small>(05 05)</small>			
05 05 21 00-0001	Welding <small>(05 05 21)</small>		
05 05 21 00-0002	Minimum Charge For Welding <small>(05 05 21 00-0001)</small>		
05 05 21 00-0003	EA Welding Minimum Charge.....	488.69	
	Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004	Spot Welding <small>(05 05 21 00-0001)</small>		
	See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005	EA Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	12.25	
	<i>For Aluminum Welding, Add</i>	1.94	
	<i>For Stainless Steel Welding, Add</i>	3.19	
05 05 21 00-0006	EA >15 Spot Weldings, Welds Up To 1" Length Each.....	9.57	
	<i>For Aluminum Welding, Add</i>	1.54	
	<i>For Stainless Steel Welding, Add</i>	2.52	
05 05 21 00-0007	Field Welding (Seam And Stitch Welding) <small>(05 05 21 00-0001)</small>		
05 05 21 00-0008	Vertical Fillet Welds <small>(05 05 21 00-0007)</small>		
	Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009	LF 1/8" Vertical Fillet Weld.....	7.95	
	<i>For Aluminum Welding, Add</i>	1.69	
	<i>For Stainless Steel Welding, Add</i>	2.61	
	<i>For Up To 25, Add</i>	2.58	
	<i>For >25 To 50, Add</i>	1.82	
05 05 21 00-0010	LF 3/16" Vertical Fillet Weld.....	15.28	
	<i>For Aluminum Welding, Add</i>	2.90	
	<i>For Stainless Steel Welding, Add</i>	4.59	
	<i>For Up To 25, Add</i>	5.09	
	<i>For >25 To 50, Add</i>	3.62	
05 05 21 00-0011	LF 1/4" Vertical Fillet Weld.....	22.94	
	<i>For Aluminum Welding, Add</i>	4.38	
	<i>For Stainless Steel Welding, Add</i>	6.91	
	<i>For Up To 25, Add</i>	7.64	
	<i>For >25 To 50, Add</i>	5.42	
05 05 21 00-0012	LF 5/16" Vertical Fillet Weld.....	30.27	
	<i>For Aluminum Welding, Add</i>	5.80	
	<i>For Stainless Steel Welding, Add</i>	9.14	
	<i>For Up To 25, Add</i>	10.07	
	<i>For >25 To 50, Add</i>	7.15	
05 05 21 00-0013	LF 3/8" Vertical Fillet Weld.....	38.21	
	<i>For Aluminum Welding, Add</i>	7.29	
	<i>For Stainless Steel Welding, Add</i>	11.50	
	<i>For Up To 25, Add</i>	12.73	
	<i>For >25 To 50, Add</i>	9.03	
05 05 21 00-0014	LF 7/16" Vertical Fillet Weld.....	44.25	
	<i>For Aluminum Welding, Add</i>	7.87	
	<i>For Stainless Steel Welding, Add</i>	12.60	
	<i>For Up To 25, Add</i>	14.98	
	<i>For >25 To 50, Add</i>	10.65	
05 05 21 00-0015	LF 1/2" Vertical Fillet Weld.....	52.27	
	<i>For Aluminum Welding, Add</i>	10.01	
	<i>For Stainless Steel Welding, Add</i>	15.78	
	<i>For Up To 25, Add</i>	17.39	
	<i>For >25 To 50, Add</i>	12.35	
05 05 21 00-0016	LF 9/16" Vertical Fillet Weld.....	60.90	
	<i>For Aluminum Welding, Add</i>	11.07	
	<i>For Stainless Steel Welding, Add</i>	17.65	
	<i>For Up To 25, Add</i>	20.51	
	<i>For >25 To 50, Add</i>	14.58	
05 05 21 00-0017	LF 5/8" Vertical Fillet Weld.....	70.64	
	<i>For Aluminum Welding, Add</i>	12.89	
	<i>For Stainless Steel Welding, Add</i>	20.53	
	<i>For Up To 25, Add</i>	23.77	
	<i>For >25 To 50, Add</i>	16.89	
05 05 21 00-0018	LF 3/4" Vertical Fillet Weld.....	95.65	
	<i>For Aluminum Welding, Add</i>	18.30	
	<i>For Stainless Steel Welding, Add</i>	28.85	
	<i>For Up To 25, Add</i>	31.83	
	<i>For >25 To 50, Add</i>	22.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0019	LF		7/8" Vertical Fillet Weld.....	140.93	
			<i>For Aluminum Welding, Add</i>	25.54	
			<i>For Stainless Steel Welding, Add</i>	40.73	
			<i>For Up To 25, Add</i>	47.49	
			<i>For >25 To 50, Add</i>	33.77	
05 05 21 00-0020	LF		1" Vertical Fillet Weld.....	190.43	
			<i>For Aluminum Welding, Add</i>	35.94	
			<i>For Stainless Steel Welding, Add</i>	56.83	
			<i>For Up To 25, Add</i>	63.58	
			<i>For >25 To 50, Add</i>	45.15	
05 05 21 00-0021			Horizontal Or Flat Fillet Welds <small>(05 05 21 00-0007)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0022	LF		1/8" Horizontal Or Flat Fillet Weld.....	6.73	
			<i>For Aluminum Welding, Add</i>	1.51	
			<i>For Stainless Steel Welding, Add</i>	2.31	
			<i>For Up To 25, Add</i>	2.15	
			<i>For >25 To 50, Add</i>	1.52	
05 05 21 00-0023	LF		3/16" Horizontal Or Flat Fillet Weld.....	13.00	
			<i>For Aluminum Welding, Add</i>	2.60	
			<i>For Stainless Steel Welding, Add</i>	4.06	
			<i>For Up To 25, Add</i>	4.28	
			<i>For >25 To 50, Add</i>	3.03	
05 05 21 00-0024	LF		1/4" Horizontal Or Flat Fillet Weld.....	19.44	
			<i>For Aluminum Welding, Add</i>	3.89	
			<i>For Stainless Steel Welding, Add</i>	6.08	
			<i>For Up To 25, Add</i>	6.40	
			<i>For >25 To 50, Add</i>	4.54	
05 05 21 00-0025	LF		5/16" Horizontal Or Flat Fillet Weld.....	25.70	
			<i>For Aluminum Welding, Add</i>	5.18	
			<i>For Stainless Steel Welding, Add</i>	8.08	
			<i>For Up To 25, Add</i>	8.44	
			<i>For >25 To 50, Add</i>	5.98	
05 05 21 00-0026	LF		3/8" Horizontal Or Flat Fillet Weld.....	32.41	
			<i>For Aluminum Welding, Add</i>	6.48	
			<i>For Stainless Steel Welding, Add</i>	10.12	
			<i>For Up To 25, Add</i>	10.67	
			<i>For >25 To 50, Add</i>	7.56	
05 05 21 00-0027	LF		7/16" Horizontal Or Flat Fillet Weld.....	37.34	
			<i>For Aluminum Welding, Add</i>	6.90	
			<i>For Stainless Steel Welding, Add</i>	10.96	
			<i>For Up To 25, Add</i>	12.53	
			<i>For >25 To 50, Add</i>	8.90	
05 05 21 00-0028	LF		1/2" Horizontal Or Flat Fillet Weld.....	44.30	
			<i>For Aluminum Welding, Add</i>	8.91	
			<i>For Stainless Steel Welding, Add</i>	13.90	
			<i>For Up To 25, Add</i>	14.56	
			<i>For >25 To 50, Add</i>	10.32	
05 05 21 00-0029	LF		9/16" Horizontal Or Flat Fillet Weld.....	51.55	
			<i>For Aluminum Welding, Add</i>	9.80	
			<i>For Stainless Steel Welding, Add</i>	15.48	
			<i>For Up To 25, Add</i>	17.18	
			<i>For >25 To 50, Add</i>	12.20	
05 05 21 00-0030	LF		5/8" Horizontal Or Flat Fillet Weld.....	60.14	
			<i>For Aluminum Welding, Add</i>	11.70	
			<i>For Stainless Steel Welding, Add</i>	18.39	
			<i>For Up To 25, Add</i>	19.93	
			<i>For >25 To 50, Add</i>	14.14	
05 05 21 00-0031	LF		3/4" Horizontal Or Flat Fillet Weld.....	81.16	
			<i>For Aluminum Welding, Add</i>	16.31	
			<i>For Stainless Steel Welding, Add</i>	25.47	
			<i>For Up To 25, Add</i>	26.68	
			<i>For >25 To 50, Add</i>	18.91	
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld.....	118.18	
			<i>For Aluminum Welding, Add</i>	21.84	
			<i>For Stainless Steel Welding, Add</i>	34.68	
			<i>For Up To 25, Add</i>	39.65	
			<i>For >25 To 50, Add</i>	28.18	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld.....	160.95	
			<i>For Aluminum Welding, Add</i>	31.87	
			<i>For Stainless Steel Welding, Add</i>	49.90	
			<i>For Up To 25, Add</i>	53.11	
			<i>For >25 To 50, Add</i>	37.66	

05 05 23 Metal Fastenings (05 05)

05 05 23 00-0001 Hex Bolts (05 05 23)
 Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 02 41 19 13-0251 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts (05 05 23 00-0001)
 Note: Includes A307B heavy hex nut and two structural washers.

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0003			Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	14.27	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-2.42	
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	15.93	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.51	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	15.97	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.51	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	19.12	1.56
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100, Deduct</i>	-2.91	
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	18.76	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100, Deduct</i>	-2.65	
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	22.59	1.56
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100, Deduct</i>	-3.08	
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	29.02	1.63
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100, Deduct</i>	-3.49	
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	31.23	1.72
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100, Deduct</i>	-3.71	
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	22.69	1.48
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.99	
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	27.57	1.63
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.71	
			<i>For >100, Deduct</i>	-3.41	
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	32.72	1.72
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.89	
			<i>For >100, Deduct</i>	-3.78	
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	47.58	1.80
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.32	
			<i>For >100, Deduct</i>	-4.63	
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	55.80	2.03
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.67	
			<i>For >100, Deduct</i>	-5.33	
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	62.94	2.18
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100, Deduct</i>	-5.87	
05 05 23 00-0018			Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	15.08	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.46	
05 05 23 00-0020	EA		1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	16.47	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.53	
05 05 23 00-0021	EA		5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.98	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.61	
05 05 23 00-0022	EA		5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	21.13	1.56
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.50	
			<i>For >100, Deduct</i>	-3.01	
05 05 23 00-0023	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	21.05	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.76	
05 05 23 00-0024	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	26.81	1.56
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.65	
			<i>For >100, Deduct</i>	-3.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0025 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	36.30	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.93	
<i>For >100, Deduct</i>	-3.85	
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	43.01	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-2.15	
<i>For >100, Deduct</i>	-4.30	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	28.67	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100, Deduct</i>	-3.29	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	34.31	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100, Deduct</i>	-3.75	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	41.42	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-2.11	
<i>For >100, Deduct</i>	-4.22	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	63.35	1.80
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-2.71	
<i>For >100, Deduct</i>	-5.42	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	62.85	2.03
<i>For >10 To 50, Deduct</i>	-0.85	
<i>For >50 To 100, Deduct</i>	-2.84	
<i>For >100, Deduct</i>	-5.69	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	79.28	2.18
<i>For >10 To 50, Deduct</i>	-0.91	
<i>For >50 To 100, Deduct</i>	-3.34	
<i>For >100, Deduct</i>	-6.69	
05 05 23 00-0033 A325 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0003)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.88	1.37
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100, Deduct</i>	-2.40	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	14.25	1.37
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.42	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.43	1.37
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.24	
<i>For >100, Deduct</i>	-2.48	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	19.15	1.56
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.91	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	22.53	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.58	
<i>For >100, Deduct</i>	-3.17	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	17.05	1.37
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100, Deduct</i>	-2.56	
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.89	1.56
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.50	
<i>For >100, Deduct</i>	-2.99	
05 05 23 00-0042 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	24.06	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.62	
<i>For >100, Deduct</i>	-3.24	
05 05 23 00-0043 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	30.19	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.83	
<i>For >100, Deduct</i>	-3.65	
05 05 23 00-0044 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	20.01	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.85	
05 05 23 00-0045 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	24.72	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100, Deduct</i>	-3.27	
05 05 23 00-0046 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	28.50	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.79	
<i>For >100, Deduct</i>	-3.57	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	31.00	1.80
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.80	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	22.30	1.54
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	27.12	1.72
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100, Deduct</i>	-3.50	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.78	1.80
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100, Deduct</i>	-3.84	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	41.49	1.92
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.24	
			<i>For >100, Deduct</i>	-4.47	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	39.43	1.92
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100, Deduct</i>	-4.37	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	44.96	2.03
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.40	
			<i>For >100, Deduct</i>	-4.79	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	53.19	2.18
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-2.69	
			<i>For >100, Deduct</i>	-5.39	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	62.93	2.33
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-3.03	
			<i>For >100, Deduct</i>	-6.06	
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	14.62	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100, Deduct</i>	-2.44	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	14.88	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.45	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.97	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.56	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	20.25	1.56
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.96	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	21.47	1.63
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.11	
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	17.77	1.37
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100, Deduct</i>	-2.60	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	21.79	1.56
			<i>For >10 To 50, Deduct</i>	-0.65	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	25.46	1.63
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100, Deduct</i>	-3.31	
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	33.50	1.72
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100, Deduct</i>	-3.82	
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	24.28	1.48
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.07	
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	27.24	1.63
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0068 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	31.56	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.86	
<i>For >100, Deduct</i>	-3.72	
05 05 23 00-0069 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	40.18	1.80
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-2.13	
<i>For >100, Deduct</i>	-4.26	
05 05 23 00-0070 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	25.62	1.54
<i>For >10 To 50, Deduct</i>	-0.64	
<i>For >50 To 100, Deduct</i>	-1.60	
<i>For >100, Deduct</i>	-3.21	
05 05 23 00-0071 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	34.73	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.94	
<i>For >100, Deduct</i>	-3.88	
05 05 23 00-0072 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	38.16	1.80
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-2.08	
<i>For >100, Deduct</i>	-4.16	
05 05 23 00-0073 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	49.34	1.92
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-2.43	
<i>For >100, Deduct</i>	-4.87	
05 05 23 00-0074 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	49.02	1.92
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-2.43	
<i>For >100, Deduct</i>	-4.85	
05 05 23 00-0075 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	52.28	2.03
<i>For >10 To 50, Deduct</i>	-0.85	
<i>For >50 To 100, Deduct</i>	-2.58	
<i>For >100, Deduct</i>	-5.16	
05 05 23 00-0076 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	61.59	2.18
<i>For >10 To 50, Deduct</i>	-0.91	
<i>For >50 To 100, Deduct</i>	-2.90	
<i>For >100, Deduct</i>	-5.81	
05 05 23 00-0077 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	71.69	2.33
<i>For >10 To 50, Deduct</i>	-0.97	
<i>For >50 To 100, Deduct</i>	-3.25	
<i>For >100, Deduct</i>	-6.49	
05 05 23 00-0078 A490 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
<small>Note: Includes A490 heavy hex nut and two structural washers.</small>		
05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0078)</small>		
05 05 23 00-0080 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	16.01	1.37
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.51	
05 05 23 00-0081 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	23.14	1.56
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.11	
05 05 23 00-0082 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	24.82	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100, Deduct</i>	-3.28	
05 05 23 00-0083 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	18.26	1.37
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100, Deduct</i>	-2.62	
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	22.27	1.56
<i>For >10 To 50, Deduct</i>	-0.65	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.06	
05 05 23 00-0085 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	26.28	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100, Deduct</i>	-3.35	
05 05 23 00-0086 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	34.50	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.94	
<i>For >100, Deduct</i>	-3.87	
05 05 23 00-0087 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	21.40	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.92	
05 05 23 00-0088 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	25.16	1.63
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100, Deduct</i>	-3.29	
05 05 23 00-0089 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	37.49	1.72
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-2.01	
<i>For >100, Deduct</i>	-4.02	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0090	EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	25.55	1.54
	<i>For >10 To 50, Deduct</i>	-0.64	
	<i>For >50 To 100, Deduct</i>	-1.60	
	<i>For >100, Deduct</i>	-3.20	
05 05 23 00-0091	EA 1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	30.76	1.72
	<i>For >10 To 50, Deduct</i>	-0.72	
	<i>For >50 To 100, Deduct</i>	-1.84	
	<i>For >100, Deduct</i>	-3.68	
05 05 23 00-0092	EA 1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	35.71	1.80
	<i>For >10 To 50, Deduct</i>	-0.75	
	<i>For >50 To 100, Deduct</i>	-2.02	
	<i>For >100, Deduct</i>	-4.04	
05 05 23 00-0093	EA 1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	45.23	1.92
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-2.33	
	<i>For >100, Deduct</i>	-4.66	
05 05 23 00-0094	EA 1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	58.80	2.03
	<i>For >10 To 50, Deduct</i>	-0.85	
	<i>For >50 To 100, Deduct</i>	-2.74	
	<i>For >100, Deduct</i>	-5.48	
05 05 23 00-0095	EA 1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	61.81	2.18
	<i>For >10 To 50, Deduct</i>	-0.91	
	<i>For >50 To 100, Deduct</i>	-2.91	
	<i>For >100, Deduct</i>	-5.82	
05 05 23 00-0096	EA 1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	64.41	2.33
	<i>For >10 To 50, Deduct</i>	-0.97	
	<i>For >50 To 100, Deduct</i>	-3.06	
	<i>For >100, Deduct</i>	-6.13	
05 05 23 00-0097	Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098	Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100	EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0101	EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.20	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0102	EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0103	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0104	EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.62	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0105	EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0106	EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0107	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0108	EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0109	EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0110	EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0111	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.86	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0112	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0113	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.82	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0114	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0115	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.27	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>					
05 05 23 00-0117	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0118	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.28	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0119	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.36	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0120	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0121	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.72	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0122	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0123	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0124	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0125	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.51	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0126	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.59	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0127	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.89	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0128	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.97	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0129	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0130	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.40	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0131	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.75	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0132	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.07	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0133		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts ^(05 05)		
		^{23 00-0098}		
05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.38	
		<i>For >100 To 250, Deduct</i>	-1.61	
		<i>For >250 To 500, Deduct</i>	-2.01	
		<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.38	
		<i>For >100 To 250, Deduct</i>	-1.61	
		<i>For >250 To 500, Deduct</i>	-2.01	
		<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.49	
		<i>For >100 To 250, Deduct</i>	-1.61	
		<i>For >250 To 500, Deduct</i>	-2.01	
		<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.59	
		<i>For >100 To 250, Deduct</i>	-1.61	
		<i>For >250 To 500, Deduct</i>	-2.01	
		<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.90	
		<i>For >100 To 250, Deduct</i>	-1.65	
		<i>For >250 To 500, Deduct</i>	-2.07	
		<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.09	
		<i>For >100 To 250, Deduct</i>	-1.65	
		<i>For >250 To 500, Deduct</i>	-2.07	
		<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27	
		<i>For >100 To 250, Deduct</i>	-1.65	
		<i>For >250 To 500, Deduct</i>	-2.07	
		<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
		<i>For >100 To 250, Deduct</i>	-1.70	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.93	
		<i>For >100 To 250, Deduct</i>	-1.70	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.06	
		<i>For >100 To 250, Deduct</i>	-1.70	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.18	
		<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.67	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.18	
		<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.18	
		<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.07	
		<i>For >100 To 250, Deduct</i>	-1.79	
		<i>For >250 To 500, Deduct</i>	-2.24	
		<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.22	
		<i>For >100 To 250, Deduct</i>	-1.79	
		<i>For >250 To 500, Deduct</i>	-2.24	
		<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.43	
		<i>For >100 To 250, Deduct</i>	-1.79	
		<i>For >250 To 500, Deduct</i>	-2.24	
		<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts ^(05 05)		
		^{23 00-0098}		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94	
		<i>For >100 To 250, Deduct</i>	-1.84	
		<i>For >250 To 500, Deduct</i>	-2.30	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.09	
		<i>For >100 To 250, Deduct</i>	-1.84	
		<i>For >250 To 500, Deduct</i>	-2.30	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.11	
		<i>For >100 To 250, Deduct</i>	-1.84	
		<i>For >250 To 500, Deduct</i>	-2.30	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0156 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.95	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0157 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.67	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0158 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.81	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0159 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.08	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0160 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.76	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0161 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.89	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0162 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.23	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0163 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0164 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.93	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0165 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.54	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0167 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.81	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0168 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.61	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.98	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.46	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.67	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.05	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0176	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.33	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0177	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.37	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0178	EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.69	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0179	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.22	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0180	EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.42	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0181	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.97	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0182	EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0183	EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.67	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0184	EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.44	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0185	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.66	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0186	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0188	EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0189	EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.31	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0190	EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.35	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0191	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.67	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0192	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.78	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0193	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.05	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0194	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.13	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0195	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.40	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0196	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.69	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0198 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.01	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0199 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.51	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0200 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.80	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0201 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.09	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0202 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.57	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0203 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.91	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0204 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.14	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0205 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.49	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0207 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.69	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0208 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0209 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.07	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0210 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.59	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0211 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.91	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0212 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.31	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.04	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.65	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.13	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.55	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.61	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.42	
			<i>For >100 To 250, Deduct</i>	-2.20	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.11	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.81	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.75	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.81	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.50	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.81	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.54	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.27	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.02	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.60	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.24	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.88	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.49	
			<i>For >100 To 250, Deduct</i>	-2.11	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.96	
			<i>For >100 To 250, Deduct</i>	-2.11	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.38	
			<i>For >100 To 250, Deduct</i>	-2.11	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.06	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.70	
			<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.64	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.70	
			<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.10	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.70	
			<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.28	
			<i>For >100 To 250, Deduct</i>	-2.20	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.66	
			<i>For >100 To 250, Deduct</i>	-2.20	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.38	
			<i>For >100 To 250, Deduct</i>	-2.20	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 23	00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.65	
				<i>For >100 To 250, Deduct</i>	-2.25	
				<i>For >250 To 500, Deduct</i>	-2.81	
				<i>For >500, Deduct</i>	-3.38	
	05 05 23	00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.33	
				<i>For >100 To 250, Deduct</i>	-2.25	
				<i>For >250 To 500, Deduct</i>	-2.81	
				<i>For >500, Deduct</i>	-3.38	
	05 05 23	00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.11	
				<i>For >100 To 250, Deduct</i>	-2.25	
				<i>For >250 To 500, Deduct</i>	-2.81	
				<i>For >500, Deduct</i>	-3.38	
	05 05 23	00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.36	
				<i>For >100 To 250, Deduct</i>	-2.30	
				<i>For >250 To 500, Deduct</i>	-2.87	
				<i>For >500, Deduct</i>	-3.44	
	05 05 23	00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.14	
				<i>For >100 To 250, Deduct</i>	-2.30	
				<i>For >250 To 500, Deduct</i>	-2.87	
				<i>For >500, Deduct</i>	-3.44	
	05 05 23	00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.18	
				<i>For >100 To 250, Deduct</i>	-2.30	
				<i>For >250 To 500, Deduct</i>	-2.87	
				<i>For >500, Deduct</i>	-3.44	
	05 05 23	00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.19	
				<i>For >100 To 250, Deduct</i>	-2.30	
				<i>For >250 To 500, Deduct</i>	-2.87	
				<i>For >500, Deduct</i>	-3.44	
	05 05 23	00-0246		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
	05 05 23	00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.14	
				<i>For >100 To 250, Deduct</i>	-2.30	
				<i>For >250 To 500, Deduct</i>	-2.87	
				<i>For >500, Deduct</i>	-3.44	
	05 05 23	00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.42	
				<i>For >100 To 250, Deduct</i>	-2.30	
				<i>For >250 To 500, Deduct</i>	-2.87	
				<i>For >500, Deduct</i>	-3.44	
	05 05 23	00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.56	
				<i>For >100 To 250, Deduct</i>	-2.30	
				<i>For >250 To 500, Deduct</i>	-2.87	
				<i>For >500, Deduct</i>	-3.44	
	05 05 23	00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.17	
				<i>For >100 To 250, Deduct</i>	-2.34	
				<i>For >250 To 500, Deduct</i>	-2.93	
				<i>For >500, Deduct</i>	-3.51	
	05 05 23	00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.93	
				<i>For >100 To 250, Deduct</i>	-2.34	
				<i>For >250 To 500, Deduct</i>	-2.93	
				<i>For >500, Deduct</i>	-3.51	
	05 05 23	00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.82	
				<i>For >100 To 250, Deduct</i>	-2.34	
				<i>For >250 To 500, Deduct</i>	-2.93	
				<i>For >500, Deduct</i>	-3.51	
	05 05 23	00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.79	
				<i>For >100 To 250, Deduct</i>	-2.39	
				<i>For >250 To 500, Deduct</i>	-2.99	
				<i>For >500, Deduct</i>	-3.58	
	05 05 23	00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.09	
				<i>For >100 To 250, Deduct</i>	-2.39	
				<i>For >250 To 500, Deduct</i>	-2.99	
				<i>For >500, Deduct</i>	-3.58	
	05 05 23	00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.81	
				<i>For >100 To 250, Deduct</i>	-2.39	
				<i>For >250 To 500, Deduct</i>	-2.99	
				<i>For >500, Deduct</i>	-3.58	
	05 05 23	00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.59	
				<i>For >100 To 250, Deduct</i>	-2.43	
				<i>For >250 To 500, Deduct</i>	-3.04	
				<i>For >500, Deduct</i>	-3.65	
	05 05 23	00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.02	
				<i>For >100 To 250, Deduct</i>	-2.43	
				<i>For >250 To 500, Deduct</i>	-3.04	
				<i>For >500, Deduct</i>	-3.65	
	05 05 23	00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.04	
				<i>For >100 To 250, Deduct</i>	-2.43	
				<i>For >250 To 500, Deduct</i>	-3.04	
				<i>For >500, Deduct</i>	-3.65	
	05 05 23	00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.31	
				<i>For >100 To 250, Deduct</i>	-2.48	
				<i>For >250 To 500, Deduct</i>	-3.10	
				<i>For >500, Deduct</i>	-3.72	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0260	EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.35	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0261	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.37	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0262	EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.56	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0263	EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.64	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0264	EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.64	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0265	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.70	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0266	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0267	EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.40	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0268	EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.27	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0269	EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.68	
	<i>For >100 To 250, Deduct</i>	-2.34	
	<i>For >250 To 500, Deduct</i>	-2.93	
	<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0270	EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.16	
	<i>For >100 To 250, Deduct</i>	-2.34	
	<i>For >250 To 500, Deduct</i>	-2.93	
	<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0271	EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.50	
	<i>For >100 To 250, Deduct</i>	-2.34	
	<i>For >250 To 500, Deduct</i>	-2.93	
	<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0272	EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.12	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0273	EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.42	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0274	EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.76	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0275	EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.65	
	<i>For >100 To 250, Deduct</i>	-2.43	
	<i>For >250 To 500, Deduct</i>	-3.04	
	<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0276	EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.30	
	<i>For >100 To 250, Deduct</i>	-2.43	
	<i>For >250 To 500, Deduct</i>	-3.04	
	<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0277	EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.43	
	<i>For >100 To 250, Deduct</i>	-2.43	
	<i>For >250 To 500, Deduct</i>	-3.04	
	<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0278	EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.79	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0279	EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.91	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0280	EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.07	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.23	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0282	EA		1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.54	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0283	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.70	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0284	EA		1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.88	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0097)					
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)					
05 05 23 00-0287	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.23	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0288	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.29	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0289	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.34	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0290	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.44	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0291	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.76	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0292	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.94	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0293	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.13	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0294	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.51	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0295	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.75	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0296	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.91	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0297	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.31	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0298	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.46	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0299	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.61	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0300	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.05	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0301	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.27	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.48	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	

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

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0303	5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.35 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.01 <i>For >500, Deduct</i> -2.41		
05 05 23 00-0305	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.39 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.01 <i>For >500, Deduct</i> -2.41		
05 05 23 00-0306	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.46 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.01 <i>For >500, Deduct</i> -2.41		
05 05 23 00-0307	EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.60 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.01 <i>For >500, Deduct</i> -2.41		
05 05 23 00-0308	EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.92 <i>For >100 To 250, Deduct</i> -1.65 <i>For >250 To 500, Deduct</i> -2.07 <i>For >500, Deduct</i> -2.48		
05 05 23 00-0309	EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 9.09 <i>For >100 To 250, Deduct</i> -1.65 <i>For >250 To 500, Deduct</i> -2.07 <i>For >500, Deduct</i> -2.48		
05 05 23 00-0310	EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 9.38 <i>For >100 To 250, Deduct</i> -1.65 <i>For >250 To 500, Deduct</i> -2.07 <i>For >500, Deduct</i> -2.48		
05 05 23 00-0311	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 9.76 <i>For >100 To 250, Deduct</i> -1.70 <i>For >250 To 500, Deduct</i> -2.12 <i>For >500, Deduct</i> -2.55		
05 05 23 00-0312	EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.00 <i>For >100 To 250, Deduct</i> -1.70 <i>For >250 To 500, Deduct</i> -2.12 <i>For >500, Deduct</i> -2.55		
05 05 23 00-0313	EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.21 <i>For >100 To 250, Deduct</i> -1.70 <i>For >250 To 500, Deduct</i> -2.12 <i>For >500, Deduct</i> -2.55		
05 05 23 00-0314	EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.87 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.18 <i>For >500, Deduct</i> -2.62		
05 05 23 00-0315	EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 10.95 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.18 <i>For >500, Deduct</i> -2.62		
05 05 23 00-0316	EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 11.24 <i>For >100 To 250, Deduct</i> -1.74 <i>For >250 To 500, Deduct</i> -2.18 <i>For >500, Deduct</i> -2.62		
05 05 23 00-0317	EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 11.86 <i>For >100 To 250, Deduct</i> -1.79 <i>For >250 To 500, Deduct</i> -2.24 <i>For >500, Deduct</i> -2.69		
05 05 23 00-0318	EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 12.26 <i>For >100 To 250, Deduct</i> -1.79 <i>For >250 To 500, Deduct</i> -2.24 <i>For >500, Deduct</i> -2.69		
05 05 23 00-0319	EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 12.64 <i>For >100 To 250, Deduct</i> -1.79 <i>For >250 To 500, Deduct</i> -2.24 <i>For >500, Deduct</i> -2.69		
05 05 23 00-0320	3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.41 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.01 <i>For >500, Deduct</i> -2.41		
05 05 23 00-0322	EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.45 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.01 <i>For >500, Deduct</i> -2.41		
05 05 23 00-0323	EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt 8.58 <i>For >100 To 250, Deduct</i> -1.61 <i>For >250 To 500, Deduct</i> -2.01 <i>For >500, Deduct</i> -2.41		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.72	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.10	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.26	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.52	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.03	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.64	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.92	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.51	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.77	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.23	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.81	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.42	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.91	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.83	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0339 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.95	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0340 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.27	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0341 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.74	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0342 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.97	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0343 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.18	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0344 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.69	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.89	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.43	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.82	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.07	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.33	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.92	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.27	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.62	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0353			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.99	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.16	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.34	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.86	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.13	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.43	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.91	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.86	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.92	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.79	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.16	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.11	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.20	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.74	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.93	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.13	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.06	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.37	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.88	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.51	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0375 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.81	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0376 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.09	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0377 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.62	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0378 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.01	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0379 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.43	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.15	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0381 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.80	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0382 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.23	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0383 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.93	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0384 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.39	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0385 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.91	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0386 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.03	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0387	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.66	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0388	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.71	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0389	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.92	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0390	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.31	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0391	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.69	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0392	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.63	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0393	5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>	11.98	
05 05 23 00-0394	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.98	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0395	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.09	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0396	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.18	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0397	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.70	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0398	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.20	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0399	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.66	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0400	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.36	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0401	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.25	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0402	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.72	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0403	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.20	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0404	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.96	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0405	EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.16	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0406	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.49	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0407	EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.49	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.64	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.67	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.01	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.98	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.67	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.11	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0415 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.31	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0416 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.41	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0417 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.07	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0418 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.57	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0419 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.34	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0420 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.09	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0421 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.58	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0422 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.61	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0423 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.32	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0424 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.17	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0425 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.21	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0426 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.92	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0427 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.00	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0428 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.62	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0429	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.46	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0430	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.01	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0431	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.80	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0432	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.24	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0433			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0434	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.68	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0435	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.92	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.26	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.82	
			<i>For >100 To 250, Deduct</i>	-2.34	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.83	
			<i>For >100 To 250, Deduct</i>	-2.34	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.50	
			<i>For >100 To 250, Deduct</i>	-2.34	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0440	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.24	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0441	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.43	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0442	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.33	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.98	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-3.04	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.72	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-3.04	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.93	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-3.04	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.31	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.72	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.81	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	31.07	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	32.44	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	33.62	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	34.80	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.92	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.00	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.98	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.95	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.67	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.82	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.96	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.63	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.04	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.39	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.71	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.44	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	32.92	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	33.62	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	41.77	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	42.40	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	44.09	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	45.25	
For>100 To 250, Deduct	-2.53	
For>250 To 500, Deduct	-3.16	
For>500, Deduct	-3.79	
05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.26	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.01	
For>500, Deduct	-2.41	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.38	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.01	
For>500, Deduct	-2.41	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.44	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.01	
For>500, Deduct	-2.41	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.57	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.01	
For>500, Deduct	-2.41	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.87	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.07	
For>500, Deduct	-2.48	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.01	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.07	
For>500, Deduct	-2.48	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.14	
For>100 To 250, Deduct	-1.65	
For>250 To 500, Deduct	-2.07	
For>500, Deduct	-2.48	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.38	
For>100 To 250, Deduct	-1.70	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.55	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.76	
For>100 To 250, Deduct	-1.70	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.55	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.12	
For>100 To 250, Deduct	-1.70	
For>250 To 500, Deduct	-2.12	
For>500, Deduct	-2.55	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.54	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.18	
For>500, Deduct	-2.62	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.74	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.18	
For>500, Deduct	-2.62	
05 05 23 00-0486 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.98	
For>100 To 250, Deduct	-1.74	
For>250 To 500, Deduct	-2.18	
For>500, Deduct	-2.62	
05 05 23 00-0487 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.39	
For>100 To 250, Deduct	-1.79	
For>250 To 500, Deduct	-2.24	
For>500, Deduct	-2.69	
05 05 23 00-0488 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.86	
For>100 To 250, Deduct	-1.79	
For>250 To 500, Deduct	-2.24	
For>500, Deduct	-2.69	
05 05 23 00-0489 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.07	
For>100 To 250, Deduct	-1.79	
For>250 To 500, Deduct	-2.24	
For>500, Deduct	-2.69	
05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0491 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.37	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.01	
For>500, Deduct	-2.41	
05 05 23 00-0492 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.44	
For>100 To 250, Deduct	-1.61	
For>250 To 500, Deduct	-2.01	
For>500, Deduct	-2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.67	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0494 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.71	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0495 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.06	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0496 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.40	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0497 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.50	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0498 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.93	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0499 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.14	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0500 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.63	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0501 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.15	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0502 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.33	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0503 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.62	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0504 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.06	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0505 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.27	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0506 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.68	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0508 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.61	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0509 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.64	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0510 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.65	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0511 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.92	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0512 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.29	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0513 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.56	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	

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

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.80	
		<i>For >100 To 250, Deduct</i>	-1.65	
		<i>For >250 To 500, Deduct</i>	-2.07	
		<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.80	
		<i>For >100 To 250, Deduct</i>	-1.70	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.10	
		<i>For >100 To 250, Deduct</i>	-1.70	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.16	
		<i>For >100 To 250, Deduct</i>	-1.70	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.51	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.18	
		<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.85	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.18	
		<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.35	
		<i>For >100 To 250, Deduct</i>	-1.74	
		<i>For >250 To 500, Deduct</i>	-2.18	
		<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.94	
		<i>For >100 To 250, Deduct</i>	-1.79	
		<i>For >250 To 500, Deduct</i>	-2.24	
		<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.61	
		<i>For >100 To 250, Deduct</i>	-1.79	
		<i>For >250 To 500, Deduct</i>	-2.24	
		<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.18	
		<i>For >100 To 250, Deduct</i>	-1.79	
		<i>For >250 To 500, Deduct</i>	-2.24	
		<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0524		7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.01	
		<i>For >100 To 250, Deduct</i>	-1.84	
		<i>For >250 To 500, Deduct</i>	-2.30	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.05	
		<i>For >100 To 250, Deduct</i>	-1.84	
		<i>For >250 To 500, Deduct</i>	-2.30	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.47	
		<i>For >100 To 250, Deduct</i>	-1.84	
		<i>For >250 To 500, Deduct</i>	-2.30	
		<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.74	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.21	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.47	
		<i>For >100 To 250, Deduct</i>	-1.88	
		<i>For >250 To 500, Deduct</i>	-2.35	
		<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.75	
		<i>For >100 To 250, Deduct</i>	-1.93	
		<i>For >250 To 500, Deduct</i>	-2.41	
		<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.80	
		<i>For >100 To 250, Deduct</i>	-1.93	
		<i>For >250 To 500, Deduct</i>	-2.41	
		<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.62	
		<i>For >100 To 250, Deduct</i>	-1.93	
		<i>For >250 To 500, Deduct</i>	-2.41	
		<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.40	
		<i>For >100 To 250, Deduct</i>	-1.97	
		<i>For >250 To 500, Deduct</i>	-2.47	
		<i>For >500, Deduct</i>	-2.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.69	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.12	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.00	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.39	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.50	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.28	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.59	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.78	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.21	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.55	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.31	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.07	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.52	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.84	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.62	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.58	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0552 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.46	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0553 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.47	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0554 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.86	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0555 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.96	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0556	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.02	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0557	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.81	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0558	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.22	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0559	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.19	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0561	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.57	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0562	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.75	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0563	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.18	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0564	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.04	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0565	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.19	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0566	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.81	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0567	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.46	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.50	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.90	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.45	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.33	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.68	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.84	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.68	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.95	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.38	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.56	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.03	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.95	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.51	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.82	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.26	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.27	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.71	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.42	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.89	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.88	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.46	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.59	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.07	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.30	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.51	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.68	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.74	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0597 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.43	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0598	EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.63	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0599	EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.76	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0600	EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.28	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0601	EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.70	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0602	EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.90	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0603	EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.64	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0604	EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.74	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0605	EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.38	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0606	EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.20	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0607	EA 3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.06	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0608	EA 3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.66	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0609	EA 3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.84	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0610	EA 3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.70	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0611	EA 3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.14	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0612	EA 3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.48	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0613	EA 3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.04	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0614	EA 3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.15	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0615	EA 3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.56	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0616	7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.48	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0618	EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.01	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.02	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.61	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.79	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.36	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.19	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.17	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.66	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.10	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.81	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.28	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.10	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	40.64	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.11	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	42.55	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.93	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0634 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	43.85	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.99	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0637 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.32	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0638 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.13	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0639 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.12	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0640	EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.98	
	<i>For >100 To 250, Deduct</i>	-2.34	
	<i>For >250 To 500, Deduct</i>	-2.93	
	<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0641	EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.70	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0642	EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.30	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0643	EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.44	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0644	EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.67	
	<i>For >100 To 250, Deduct</i>	-2.43	
	<i>For >250 To 500, Deduct</i>	-3.04	
	<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0645	EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.57	
	<i>For >100 To 250, Deduct</i>	-2.43	
	<i>For >250 To 500, Deduct</i>	-3.04	
	<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0646	EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.04	
	<i>For >100 To 250, Deduct</i>	-2.43	
	<i>For >250 To 500, Deduct</i>	-3.04	
	<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0647	EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.97	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0648	EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.02	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0649	EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.89	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-3.10	
	<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0650	EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.81	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0651	EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	46.28	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0652	EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	50.12	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0653	EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	52.47	
	<i>For >100 To 250, Deduct</i>	-2.53	
	<i>For >250 To 500, Deduct</i>	-3.16	
	<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0654	Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0655	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656	EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.42	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0657	EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.44	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0658	EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.46	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0659	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.74	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0660	EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.09	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.25	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.32	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.76	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.81	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.40	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.25	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.30	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.82	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.35	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.31	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.35	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0682	EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.75	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0683	EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.09	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0684	EA 5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.24	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0685	EA 5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.62	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0686	EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.62	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0687	EA 5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.23	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0688	EA 5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.80	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0689	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0690	EA 3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.46	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0691	EA 3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.58	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0692	EA 3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.71	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0693	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.03	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0694	EA 3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.39	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0695	EA 3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.66	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0696	EA 3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0697	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0698	EA 3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.47	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0699	EA 3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.80	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0700	EA 3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.16	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0701	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0702	EA 3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.68	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0703	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.95	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0704	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.00	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0705	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.52	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts					
			<small>(05 05 23 00-0654)</small>		
05 05 23 00-0707	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0708	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.97	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0709	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.41	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0710	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.39	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0711	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.42	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0712	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0713	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.06	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0714	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.47	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0715	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.84	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0716	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.48	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0717	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.91	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts					
			<small>(05 05 23 00-0654)</small>		
05 05 23 00-0719	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.14	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0720	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.33	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0721	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0722	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.36	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0723	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.65	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.19	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0725	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.51	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0726	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.71	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0727	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.14	
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0728	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.56	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0729	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.04	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0730	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.08	
			<i>For >100 To 250, Deduct</i>	-1.97	
			<i>For >250 To 500, Deduct</i>	-2.47	
			<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0731	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.41	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0732	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.54	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0733	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.90	
			<i>For >100 To 250, Deduct</i>	-2.02	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0734	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.83	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0735	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.12	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0736	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.18	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0737	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.35	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0738			5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0739	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.96	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0740	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.25	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0741	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.45	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0742	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.00	
			<i>For >100 To 250, Deduct</i>	-2.11	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0743	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.43	
			<i>For >100 To 250, Deduct</i>	-2.11	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0744	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.38	
			<i>For >100 To 250, Deduct</i>	-2.11	
			<i>For >250 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.76	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.93	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.22	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.83	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.16	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.14	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.43	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.14	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.65	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.59	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.40	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.25	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.39	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
<small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.35	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.41	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.76	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.79	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.12	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.97	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.66	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0766	EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.74	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0767	EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.92	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0768	EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.27	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0769	EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.40	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0770	EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.87	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0771	EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.02	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0772	EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.17	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0773	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.63	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0774	EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.55	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0775	EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.04	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0776	EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.31	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0777	EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.45	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0778	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779	EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.27	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0780	EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.82	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0781	EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.35	
	<i>For >100 To 250, Deduct</i>	-2.34	
	<i>For >250 To 500, Deduct</i>	-2.93	
	<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0782	EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.21	
	<i>For >100 To 250, Deduct</i>	-2.34	
	<i>For >250 To 500, Deduct</i>	-2.93	
	<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0783	EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.63	
	<i>For >100 To 250, Deduct</i>	-2.34	
	<i>For >250 To 500, Deduct</i>	-2.93	
	<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0784	EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.41	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0785	EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.01	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0786	EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.77	
	<i>For >100 To 250, Deduct</i>	-2.39	
	<i>For >250 To 500, Deduct</i>	-2.99	
	<i>For >500, Deduct</i>	-3.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.53	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.12	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.84	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.73	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.83	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.09	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.63	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.24	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.00	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.72	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.10	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.50	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.52	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.33	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.40	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.82	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.01	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.35	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.79	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.84	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.84	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.54	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.21	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.95	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	38.31	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	39.34	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	40.87	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.40	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.54	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.72	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.91	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.32	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.60	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.94	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.42	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.83	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.21	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.75	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.37	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.85	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.75	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.10	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.94	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.66	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.79	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.06	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.27	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.89	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.02	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.72	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.07	
<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.44	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.22	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.61	
<i>For >100 To 250, Deduct</i>	-1.70	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.03	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.99	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.44	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.89	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.99	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.16	
<i>For >100 To 250, Deduct</i>	-1.61	
<i>For >250 To 500, Deduct</i>	-2.01	
<i>For >500, Deduct</i>	-2.41	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.58	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.11	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.60	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.03	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.60	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.34	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.00	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.47	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.87	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.08	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.66	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.51	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.88	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.46	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0865			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.50	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.36	
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-2.30	
			<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.00	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.82	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.19	
			<i>For >100 To 250, Deduct</i>	-1.88	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.05	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0873 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.65	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0874 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.35	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0875 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.77	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0876 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.21	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0877 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.54	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0878 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.08	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0880 EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.48	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0881 EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.75	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.41	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.39	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.92	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.79	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.26	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.82	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.75	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.91	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.21	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.39	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0893	EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.17	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0894	EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.40	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-0895	EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.64	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0896	EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.13	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0897	EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.52	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0898	EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.90	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0899	9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0900	EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.11	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0901	EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.34	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0902	EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.24	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-0903	EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.26	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0904	EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.64	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0905	EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.06	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-0906	EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.85	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0907	EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.40	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0908	EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.51	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-0909	EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.15	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0910	EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.88	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-0911	5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0912	EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.53	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0913	EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.04	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.17	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.75	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.76	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.21	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.26	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.28	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.90	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.04	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.51	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.86	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.02	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.44	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.54	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.24	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.67	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.03	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.65	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.85	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.85	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.16	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.81	
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.17	
05 05 23 00-0936 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.26	
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.17	
05 05 23 00-0937 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.70	
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.17	
05 05 23 00-0938 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.38	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.24	
05 05 23 00-0939 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.64	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.24	
05 05 23 00-0940 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.46	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.24	
05 05 23 00-0941 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.56	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.31	
05 05 23 00-0942 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.67	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.31	
05 05 23 00-0943 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.64	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.31	
05 05 23 00-0944 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.40	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.38	
05 05 23 00-0945 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.76	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.38	
05 05 23 00-0946 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.95	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.38	
05 05 23 00-0947 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.51	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0948 EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.64	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0949 EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.71	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0950 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.07	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0952 EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.25	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0953 EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.74	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0954 EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.86	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0955 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.38	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.20	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0957 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.50	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0958 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.30	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0959 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.79	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0960 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.83	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0961 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.94	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0962 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.56	
<i>For >100 To 250, Deduct</i>	-2.43	
<i>For >250 To 500, Deduct</i>	-3.04	
<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0963 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.26	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0964 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.47	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0965 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	69.67	
<i>For >100 To 250, Deduct</i>	-2.48	
<i>For >250 To 500, Deduct</i>	-3.10	
<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0966 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.66	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0967 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	92.87	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0968 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	97.60	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0969 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	102.31	
<i>For >100 To 250, Deduct</i>	-2.53	
<i>For >250 To 500, Deduct</i>	-3.16	
<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.27	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0972 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.09	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-0973 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.01	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0974 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.30	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0975 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.05	
<i>For >100 To 250, Deduct</i>	-2.34	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-3.51	
05 05 23 00-0976 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.50	
<i>For >100 To 250, Deduct</i>	-2.39	
<i>For >250 To 500, Deduct</i>	-2.99	
<i>For >500, Deduct</i>	-3.58	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0977	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.12	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0978	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.98	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.58	
05 05 23 00-0979	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.84	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-3.04	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0980	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.05	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-3.04	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0981	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.42	
			<i>For >100 To 250, Deduct</i>	-2.43	
			<i>For >250 To 500, Deduct</i>	-3.04	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0982	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	79.79	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0983	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	81.74	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0984	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	83.70	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0985	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	87.83	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0986	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	93.83	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0987	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	121.04	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0988	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	152.74	
			<i>For >100 To 250, Deduct</i>	-2.53	
			<i>For >250 To 500, Deduct</i>	-3.16	
			<i>For >500, Deduct</i>	-3.79	
05 05 23 00-0989			316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0997)</small>		
05 05 23 00-0990			1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-0991	EA		1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.67	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0992	EA		1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.96	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0993	EA		1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.17	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0994	EA		2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.31	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-0995	EA		2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.94	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0996	EA		3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.31	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0997	EA		3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.68	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-0998	EA		4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.21	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999	EA		4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.52	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1000	EA		5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.65	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1001	EA		5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.84	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1002	EA		6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.10	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1003	EA		6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	22.63	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1004	EA		7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	34.41	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1005	EA		7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	59.84	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1006	EA		8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	65.64	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1007			5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)		
05 05 23 00-1008	EA		5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.06	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1009	EA		5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.39	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1010	EA		5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.93	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1011	EA		5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.34	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.01	
			<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1012	EA		5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.74	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-1013	EA		5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.58	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-1014	EA		5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.17	
			<i>For >100 To 250, Deduct</i>	-1.65	
			<i>For >250 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.48	
05 05 23 00-1015	EA		5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.65	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1016	EA		5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.90	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1017	EA		5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.15	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1018	EA		5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.26	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1019	EA		5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	16.24	
			<i>For >100 To 250, Deduct</i>	-1.74	
			<i>For >250 To 500, Deduct</i>	-2.18	
			<i>For >500, Deduct</i>	-2.62	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1020	EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.35	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1021	EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	36.11	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1022	3/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1023	EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.92	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1024	EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.05	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1025	EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.56	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1026	EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.77	
	<i>For >100 To 250, Deduct</i>	-1.61	
	<i>For >250 To 500, Deduct</i>	-2.01	
	<i>For >500, Deduct</i>	-2.41	
05 05 23 00-1027	EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.42	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-1028	EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.64	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-1029	EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.69	
	<i>For >100 To 250, Deduct</i>	-1.65	
	<i>For >250 To 500, Deduct</i>	-2.07	
	<i>For >500, Deduct</i>	-2.48	
05 05 23 00-1030	EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	14.08	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1031	EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.74	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1032	EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.19	
	<i>For >100 To 250, Deduct</i>	-1.70	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.55	
05 05 23 00-1033	EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.88	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1034	EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	18.66	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1035	EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.74	
	<i>For >100 To 250, Deduct</i>	-1.74	
	<i>For >250 To 500, Deduct</i>	-2.18	
	<i>For >500, Deduct</i>	-2.62	
05 05 23 00-1036	EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	23.49	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1037	EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.84	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1038	EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	38.77	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1039	7/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1040	EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.09	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.85	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	15.27	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1043 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.73	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1044 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	18.10	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1045 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.35	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1046 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	22.73	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-1047 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.12	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-1048 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.94	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-1049 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.72	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1050 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	25.30	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1051 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.89	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1052 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	26.60	
<i>For >100 To 250, Deduct</i>	-2.02	
<i>For >250 To 500, Deduct</i>	-2.53	
<i>For >500, Deduct</i>	-3.03	
05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)	13.05	
05 05 23 00-1054 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	13.05	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1055 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.87	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1056 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	15.02	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1057 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.62	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1058 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.89	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1059 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.20	
<i>For >100 To 250, Deduct</i>	-1.88	
<i>For >250 To 500, Deduct</i>	-2.35	
<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1060 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	18.96	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.40	
<i>For >100 To 250, Deduct</i>	-1.93	
<i>For >250 To 500, Deduct</i>	-2.41	
<i>For >500, Deduct</i>	-2.89	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1062	EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	26.36	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-1063	EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.96	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1064	EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	27.74	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1065	EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.88	
	<i>For >100 To 250, Deduct</i>	-1.97	
	<i>For >250 To 500, Deduct</i>	-2.47	
	<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1066	EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	38.22	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-1067	EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	40.87	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-1068	EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	45.27	
	<i>For >100 To 250, Deduct</i>	-2.02	
	<i>For >250 To 500, Deduct</i>	-2.53	
	<i>For >500, Deduct</i>	-3.03	
05 05 23 00-1069	EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.11	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1070	EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	64.61	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1071	EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	65.84	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1072	EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	67.76	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1073	9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074	EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	33.60	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1075	EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.29	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1076	EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	45.32	
	<i>For >100 To 250, Deduct</i>	-1.84	
	<i>For >250 To 500, Deduct</i>	-2.30	
	<i>For >500, Deduct</i>	-2.75	
05 05 23 00-1077	EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.61	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1078	EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	55.94	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1079	EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.27	
	<i>For >100 To 250, Deduct</i>	-1.88	
	<i>For >250 To 500, Deduct</i>	-2.35	
	<i>For >500, Deduct</i>	-2.82	
05 05 23 00-1080	EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	64.82	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-1081	EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.22	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	
05 05 23 00-1082	EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	73.12	
	<i>For >100 To 250, Deduct</i>	-1.93	
	<i>For >250 To 500, Deduct</i>	-2.41	
	<i>For >500, Deduct</i>	-2.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.52	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	77.96	
<i>For >100 To 250, Deduct</i>	-1.97	
<i>For >250 To 500, Deduct</i>	-2.47	
<i>For >500, Deduct</i>	-2.96	
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	18.38	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.61	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	18.69	
<i>For >100 To 250, Deduct</i>	-2.07	
<i>For >250 To 500, Deduct</i>	-2.58	
<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.46	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	22.05	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.07	
<i>For >100 To 250, Deduct</i>	-2.11	
<i>For >250 To 500, Deduct</i>	-2.64	
<i>For >500, Deduct</i>	-3.17	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	28.35	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.75	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	34.27	
<i>For >100 To 250, Deduct</i>	-2.16	
<i>For >250 To 500, Deduct</i>	-2.70	
<i>For >500, Deduct</i>	-3.24	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.39	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	38.64	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.34	
<i>For >100 To 250, Deduct</i>	-2.20	
<i>For >250 To 500, Deduct</i>	-2.76	
<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	49.34	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.32	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	53.91	
<i>For >100 To 250, Deduct</i>	-2.25	
<i>For >250 To 500, Deduct</i>	-2.81	
<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.38	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	60.43	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.96	
<i>For >100 To 250, Deduct</i>	-2.30	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-3.44	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1104	EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	90.49	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-1105	3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106	EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	24.49	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1107	EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.04	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1108	EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	27.13	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.58	
	<i>For >500, Deduct</i>	-3.10	
05 05 23 00-1109	EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.19	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-1110	EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	33.10	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-1111	EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.37	
	<i>For >100 To 250, Deduct</i>	-2.11	
	<i>For >250 To 500, Deduct</i>	-2.64	
	<i>For >500, Deduct</i>	-3.17	
05 05 23 00-1112	EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	40.42	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-1113	EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.41	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-1114	EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	43.51	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.70	
	<i>For >500, Deduct</i>	-3.24	
05 05 23 00-1115	EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.20	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1116	EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	47.70	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1117	EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.40	
	<i>For >100 To 250, Deduct</i>	-2.20	
	<i>For >250 To 500, Deduct</i>	-2.76	
	<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1118	EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	66.76	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1119	EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.44	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1120	EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	76.74	
	<i>For >100 To 250, Deduct</i>	-2.25	
	<i>For >250 To 500, Deduct</i>	-2.81	
	<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1121	EA 3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.19	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-1122	EA 3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	95.34	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-1123	EA 3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	96.45	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	
05 05 23 00-1124	EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	99.22	
	<i>For >100 To 250, Deduct</i>	-2.30	
	<i>For >250 To 500, Deduct</i>	-2.87	
	<i>For >500, Deduct</i>	-3.44	



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST
05 05 23 00-1125	7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1126	EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....27.63 <i>For >100 To 250, Deduct</i> -2.30 <i>For >250 To 500, Deduct</i> -2.87 <i>For >500, Deduct</i> -3.44		
05 05 23 00-1127	EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....31.25 <i>For >100 To 250, Deduct</i> -2.30 <i>For >250 To 500, Deduct</i> -2.87 <i>For >500, Deduct</i> -3.44		
05 05 23 00-1128	EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....33.45 <i>For >100 To 250, Deduct</i> -2.34 <i>For >250 To 500, Deduct</i> -2.93 <i>For >500, Deduct</i> -3.51		
05 05 23 00-1129	EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....38.51 <i>For >100 To 250, Deduct</i> -2.34 <i>For >250 To 500, Deduct</i> -2.93 <i>For >500, Deduct</i> -3.51		
05 05 23 00-1130	EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....40.78 <i>For >100 To 250, Deduct</i> -2.34 <i>For >250 To 500, Deduct</i> -2.93 <i>For >500, Deduct</i> -3.51		
05 05 23 00-1131	EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....43.00 <i>For >100 To 250, Deduct</i> -2.39 <i>For >250 To 500, Deduct</i> -2.99 <i>For >500, Deduct</i> -3.58		
05 05 23 00-1132	EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....46.06 <i>For >100 To 250, Deduct</i> -2.39 <i>For >250 To 500, Deduct</i> -2.99 <i>For >500, Deduct</i> -3.58		
05 05 23 00-1133	EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....52.96 <i>For >100 To 250, Deduct</i> -2.39 <i>For >250 To 500, Deduct</i> -2.99 <i>For >500, Deduct</i> -3.58		
05 05 23 00-1134	EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....53.36 <i>For >100 To 250, Deduct</i> -2.43 <i>For >250 To 500, Deduct</i> -3.04 <i>For >500, Deduct</i> -3.65		
05 05 23 00-1135	EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....55.64 <i>For >100 To 250, Deduct</i> -2.43 <i>For >250 To 500, Deduct</i> -3.04 <i>For >500, Deduct</i> -3.65		
05 05 23 00-1136	EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....74.94 <i>For >100 To 250, Deduct</i> -2.43 <i>For >250 To 500, Deduct</i> -3.04 <i>For >500, Deduct</i> -3.65		
05 05 23 00-1137	EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....83.70 <i>For >100 To 250, Deduct</i> -2.48 <i>For >250 To 500, Deduct</i> -3.10 <i>For >500, Deduct</i> -3.72		
05 05 23 00-1138	EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....92.86 <i>For >100 To 250, Deduct</i> -2.48 <i>For >250 To 500, Deduct</i> -3.10 <i>For >500, Deduct</i> -3.72		
05 05 23 00-1139	EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....97.37 <i>For >100 To 250, Deduct</i> -2.48 <i>For >250 To 500, Deduct</i> -3.10 <i>For >500, Deduct</i> -3.72		
05 05 23 00-1140	EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....103.46 <i>For >100 To 250, Deduct</i> -2.53 <i>For >250 To 500, Deduct</i> -3.16 <i>For >500, Deduct</i> -3.79		
05 05 23 00-1141	EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....107.38 <i>For >100 To 250, Deduct</i> -2.53 <i>For >250 To 500, Deduct</i> -3.16 <i>For >500, Deduct</i> -3.79		
05 05 23 00-1142	EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....111.27 <i>For >100 To 250, Deduct</i> -2.53 <i>For >250 To 500, Deduct</i> -3.16 <i>For >500, Deduct</i> -3.79		
05 05 23 00-1143	EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....115.65 <i>For >100 To 250, Deduct</i> -2.53 <i>For >250 To 500, Deduct</i> -3.16 <i>For >500, Deduct</i> -3.79		
05 05 23 00-1144	1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1145	EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....35.58 <i>For >100 To 250, Deduct</i> -2.30 <i>For >250 To 500, Deduct</i> -2.87 <i>For >500, Deduct</i> -3.44		
05 05 23 00-1146	EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....41.38 <i>For >100 To 250, Deduct</i> -2.34 <i>For >250 To 500, Deduct</i> -2.93 <i>For >500, Deduct</i> -3.51		

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1147	EA 1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	45.11 -2.34 -2.93 -3.51	
05 05 23 00-1148	EA 1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	51.07 -2.34 -2.93 -3.51	
05 05 23 00-1149	EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	53.43 -2.39 -2.99 -3.58	
05 05 23 00-1150	EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	57.47 -2.39 -2.99 -3.58	
05 05 23 00-1151	EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	61.55 -2.39 -2.99 -3.58	
05 05 23 00-1152	EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	65.88 -2.43 -3.04 -3.65	
05 05 23 00-1153	EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	76.42 -2.43 -3.04 -3.65	
05 05 23 00-1154	EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	86.82 -2.43 -3.04 -3.65	
05 05 23 00-1155	EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	101.28 -2.48 -3.10 -3.72	
05 05 23 00-1156	EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	113.23 -2.48 -3.10 -3.72	
05 05 23 00-1157	EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	114.95 -2.48 -3.10 -3.72	
05 05 23 00-1158	EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	119.08 -2.53 -3.16 -3.79	
05 05 23 00-1159	EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	120.73 -2.53 -3.16 -3.79	
05 05 23 00-1160	EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	140.57 -2.53 -3.16 -3.79	
05 05 23 00-1161	EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	159.73 -2.53 -3.16 -3.79	
05 05 23 00-1162	Screws <small>(05 05 23)</small>		
05 05 23 00-1163	Teks® 5 Self Drilling Screws <small>(05 05 23 00-1162)</small> Note: Includes Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	4.34 -0.19 -0.40 -0.79	
05 05 23 00-1165	EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	4.53 -0.19 -0.40 -0.80	
05 05 23 00-1166	EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	5.06 -0.20 -0.43 -0.87	
05 05 23 00-1167	EA 1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	6.96 -0.26 -0.56 -1.11	
05 05 23 00-1168	EA 1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	7.44 -0.27 -0.59 -1.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169 EA 1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.19	
<i>For >10 To 50, Deduct</i>	-0.28	
<i>For >50 To 100, Deduct</i>	-0.65	
<i>For >100, Deduct</i>	-1.30	
05 05 23 00-1170 EA 1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.28	
<i>For >10 To 50, Deduct</i>	-0.29	
<i>For >50 To 100, Deduct</i>	-0.70	
<i>For >100, Deduct</i>	-1.39	
05 05 23 00-1171 Security Screws <small>(05 05 23 00-1162)</small>		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small>		
<small>Note: Includes "security" style drive in machine or sheet metal screw threads.</small>		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.42	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100, Deduct</i>	-0.65	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.98	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.46	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.70	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.63	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.94	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.73	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.11	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100, Deduct</i>	-0.69	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.34	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.70	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.81	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.72	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.96	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.73	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.25	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.69	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.31	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.70	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.52	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.17	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100, Deduct</i>	-0.74	
05 05 23 00-1186 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.63	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1187 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.77	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100, Deduct</i>	-0.72	
05 05 23 00-1188 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.40	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100, Deduct</i>	-0.75	
05 05 23 00-1189 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	6.38	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-0.40	
<i>For >100, Deduct</i>	-0.80	

05 05 23 00-1190

Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
						UNIT COST	UNIT COST
					washers.		
05 05 23 00-1191					Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1192	LF				1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.17	0.55
					<i>For Left Hand Threaded Rod, Add</i>	0.21	
05 05 23 00-1193	LF				5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.34	0.60
					<i>For Left Hand Threaded Rod, Add</i>	0.32	
05 05 23 00-1194	LF				3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.07	0.69
					<i>For Left Hand Threaded Rod, Add</i>	0.37	
05 05 23 00-1195	LF				7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.17	0.70
					<i>For Left Hand Threaded Rod, Add</i>	0.58	
05 05 23 00-1196	LF				1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.35	0.73
					<i>For Left Hand Threaded Rod, Add</i>	0.59	
05 05 23 00-1197	LF				9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.34	0.74
					<i>For Left Hand Threaded Rod, Add</i>	0.79	
05 05 23 00-1198	LF				5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.64	0.75
					<i>For Left Hand Threaded Rod, Add</i>	0.91	
05 05 23 00-1199	LF				3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	18.15	0.77
					<i>For Left Hand Threaded Rod, Add</i>	1.66	
05 05 23 00-1200	LF				7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.84	0.80
					<i>For Left Hand Threaded Rod, Add</i>	1.82	
05 05 23 00-1201	LF				1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	27.42	0.90
					<i>For Left Hand Threaded Rod, Add</i>	2.56	
05 05 23 00-1202	LF				1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.31	1.00
					<i>For Left Hand Threaded Rod, Add</i>	3.23	
05 05 23 00-1203	LF				1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	45.84	1.09
					<i>For Left Hand Threaded Rod, Add</i>	4.36	
05 05 23 00-1204	LF				1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	57.38	1.18
					<i>For Left Hand Threaded Rod, Add</i>	5.50	
05 05 23 00-1205	LF				1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	68.90	1.23
					<i>For Left Hand Threaded Rod, Add</i>	6.64	
05 05 23 00-1206	LF				1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	84.84	1.29
					<i>For Left Hand Threaded Rod, Add</i>	8.23	
05 05 23 00-1207	LF				2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	108.82	1.36
					<i>For Left Hand Threaded Rod, Add</i>	10.61	
05 05 23 00-1208					Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1209	LF				1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.20	0.55
					<i>For Left Hand Threaded Rod, Add</i>	0.21	
05 05 23 00-1210	LF				5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.03	0.60
					<i>For Left Hand Threaded Rod, Add</i>	0.38	
05 05 23 00-1211	LF				3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.59	0.69
					<i>For Left Hand Threaded Rod, Add</i>	0.42	
05 05 23 00-1212	LF				7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.48	0.70
					<i>For Left Hand Threaded Rod, Add</i>	0.71	
05 05 23 00-1213	LF				1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.17	0.73
					<i>For Left Hand Threaded Rod, Add</i>	0.77	
05 05 23 00-1214	LF				9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	12.33	0.74
					<i>For Left Hand Threaded Rod, Add</i>	1.09	
05 05 23 00-1215	LF				5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.13	0.75
					<i>For Left Hand Threaded Rod, Add</i>	1.16	
05 05 23 00-1216	LF				3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	20.29	0.77
					<i>For Left Hand Threaded Rod, Add</i>	1.87	
05 05 23 00-1217	LF				7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	26.58	0.80
					<i>For Left Hand Threaded Rod, Add</i>	2.50	
05 05 23 00-1218	LF				1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	35.92	0.90
					<i>For Left Hand Threaded Rod, Add</i>	3.41	
05 05 23 00-1219	LF				1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	46.60	1.00
					<i>For Left Hand Threaded Rod, Add</i>	4.46	
05 05 23 00-1220	LF				1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	55.72	1.09
					<i>For Left Hand Threaded Rod, Add</i>	5.35	
05 05 23 00-1221	LF				1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	63.51	1.18
					<i>For Left Hand Threaded Rod, Add</i>	6.11	
05 05 23 00-1222	LF				1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	80.34	1.23
					<i>For Left Hand Threaded Rod, Add</i>	7.79	
05 05 23 00-1223	LF				1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	99.91	1.29
					<i>For Left Hand Threaded Rod, Add</i>	9.73	
05 05 23 00-1224	LF				2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	146.59	1.36
					<i>For Left Hand Threaded Rod, Add</i>	14.39	
05 05 23 00-1225					Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1226	LF				3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	9.87	0.69
					<i>For Left Hand Threaded Rod, Add</i>	0.85	
05 05 23 00-1227	LF				1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	14.16	0.73
					<i>For Left Hand Threaded Rod, Add</i>	1.27	
05 05 23 00-1228	LF				5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	19.46	0.75
					<i>For Left Hand Threaded Rod, Add</i>	1.80	
05 05 23 00-1229	LF				3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	27.10	0.77
					<i>For Left Hand Threaded Rod, Add</i>	2.56	
05 05 23 00-1230	LF				7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	37.92	0.80
					<i>For Left Hand Threaded Rod, Add</i>	3.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	49.12	0.90
For Left Hand Threaded Rod, Add	4.73	
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	64.89	1.00
For Left Hand Threaded Rod, Add	6.29	
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	85.64	1.09
For Left Hand Threaded Rod, Add	8.34	
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	95.84	1.18
For Left Hand Threaded Rod, Add	9.35	
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	114.34	1.23
For Left Hand Threaded Rod, Add	11.19	
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	139.23	1.29
For Left Hand Threaded Rod, Add	13.66	
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod.....	244.39	1.36
For Left Hand Threaded Rod, Add	24.17	
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.04	0.55
For Left Hand Threaded Rod, Add	0.30	
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	6.23	0.60
For Left Hand Threaded Rod, Add	0.50	
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.09	0.69
For Left Hand Threaded Rod, Add	0.67	
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	11.42	0.70
For Left Hand Threaded Rod, Add	1.00	
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	13.78	0.73
For Left Hand Threaded Rod, Add	1.23	
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.04	0.74
For Left Hand Threaded Rod, Add	1.86	
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.93	0.75
For Left Hand Threaded Rod, Add	1.94	
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	29.52	0.77
For Left Hand Threaded Rod, Add	2.80	
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	40.79	0.80
For Left Hand Threaded Rod, Add	3.92	
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	52.41	0.90
For Left Hand Threaded Rod, Add	5.06	
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	111.52	1.09
For Left Hand Threaded Rod, Add	10.93	
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	170.16	1.23
For Left Hand Threaded Rod, Add	16.77	
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	175.02	1.29
For Left Hand Threaded Rod, Add	17.24	
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	242.49	1.36
For Left Hand Threaded Rod, Add	23.98	
05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod.....	6.03	0.55
For Left Hand Threaded Rod, Add	0.49	
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod.....	9.91	0.60
For Left Hand Threaded Rod, Add	0.87	
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod.....	13.24	0.69
For Left Hand Threaded Rod, Add	1.19	
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod.....	20.94	0.70
For Left Hand Threaded Rod, Add	1.95	
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod.....	22.22	0.73
For Left Hand Threaded Rod, Add	2.08	
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod.....	29.31	0.74
For Left Hand Threaded Rod, Add	2.78	
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod.....	31.57	0.75
For Left Hand Threaded Rod, Add	3.01	
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod.....	46.27	0.77
For Left Hand Threaded Rod, Add	4.47	
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod.....	63.53	0.80
For Left Hand Threaded Rod, Add	6.19	
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod.....	80.47	0.90
For Left Hand Threaded Rod, Add	7.87	
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod.....	170.46	1.09
For Left Hand Threaded Rod, Add	16.82	
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod.....	223.61	1.23
For Left Hand Threaded Rod, Add	22.11	
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	6.11	0.55
For Zinc Plating, Add	2.51	
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	9.79	0.60
For Zinc Plating, Add	4.30	
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	10.17	0.69
For Zinc Plating, Add	4.41	
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod.....	11.18	0.70
For Zinc Plating, Add	4.89	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	12.39	0.73
For Zinc Plating, Add	5.47	
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	15.74	0.74
For Zinc Plating, Add	7.13	
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.26	0.75
For Zinc Plating, Add	7.38	
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.95	0.77
For Zinc Plating, Add	10.20	
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	26.51	0.80
For Zinc Plating, Add	12.46	
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	34.60	0.90
For Zinc Plating, Add	16.40	
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	45.29	1.00
For Zinc Plating, Add	21.64	
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	50.40	1.09
For Zinc Plating, Add	24.07	
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	58.37	1.18
For Zinc Plating, Add	28.00	
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	71.31	1.23
For Zinc Plating, Add	34.42	
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	73.69	1.29
For Zinc Plating, Add	35.55	
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	99.53	1.36
For Zinc Plating, Add	48.41	
05 05 23 00-1283 Nuts And Washers (05 05 23)		
05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)		
05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.72	0.32
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.32
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.86	0.32
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.00	0.32
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.09	0.32
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.45	0.32
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.50	0.32
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.78	0.64
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.62	0.64
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.33	0.64
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.48	0.64
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	6.72	0.64
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	9.91	0.64
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	11.49	0.96
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	16.91	0.96
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	24.46	0.96
05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.74	0.32
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.82	0.32
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.89	0.32
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.04	0.32
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.23	0.32
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.49	0.32
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.53	0.32
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.02	0.64
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.86	0.64
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.05	0.64
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.20	0.64
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	8.79	0.64
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.94	0.64
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	14.30	0.96
05 05 23 00-1317 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	25.87	0.96
05 05 23 00-1318 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	37.11	0.96
05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.76	0.32
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.88	0.32
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.95	0.32
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.20	0.32
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.44	0.32
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.73	0.32
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.97	0.32
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.46	0.64
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.70	0.64
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.94	0.64
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	7.76	0.64
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	9.70	0.64
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	16.00	0.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	16.99	0.96
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	25.94	0.96
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	36.70	0.96
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.76	0.32
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.86	0.32
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.93	0.32
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.17	0.32
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.35	0.32
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.51	0.32
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.67	0.32
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.24	0.64
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.26	0.64
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.51	0.64
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	7.50	0.64
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	9.63	0.64
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.33	0.64
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	16.73	0.96
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	29.23	0.96
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	50.61	0.96
05 05 23 00-1353 304 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.88	0.32
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut.....	1.06	0.32
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut.....	1.19	0.32
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.84	0.32
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.99	0.32
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut.....	3.11	0.32
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut.....	3.48	0.32
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut.....	4.02	0.64
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut.....	6.68	0.64
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut.....	10.30	0.64
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	25.00	0.64
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	48.27	0.96
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	85.10	0.96
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut.....	121.41	0.96
05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut.....	1.05	0.32
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut.....	1.20	0.32
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.45	0.32
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut.....	2.46	0.32
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut.....	2.64	0.32
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut.....	3.65	0.32
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut.....	4.14	0.32
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut.....	5.83	0.64
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut.....	8.17	0.64
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut.....	12.66	0.64
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	38.93	0.64
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	63.12	0.96
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	106.72	0.96
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut.....	198.66	0.96
05 05 23 00-1383 Flat Washers (05 05 23 00-1283)		
05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.09	
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.16	
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.24	
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.34	
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.39	
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.66	
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.95	
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.13	
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.39	
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.57	
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.88	
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.95	
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.02	
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.47	
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	5.56	
05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)		

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.20	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.28	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.32	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.44	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.59	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.95	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.36	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.92	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.21	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.56	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.18	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.65	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.45	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	8.52	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.45	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	13.74	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.19	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.21	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.40	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.51	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.84	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.94	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.42	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.00	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.20	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.36	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.74	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.34	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.79	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	8.40	

05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.18	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.25	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.35	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.64	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.17	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.46	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.15	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.19	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.61	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.84	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.80	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.32	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.74	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	9.43	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	11.72	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	23.03	

05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.36	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.39	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.70	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.82	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.52	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.73	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.22	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.06	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.29	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.03	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	8.01	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	9.86	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.43	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.66	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	15.63	

05 05 23 00-1467 Lock Washers (05 05 23 00-1283)**05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)**

05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.04	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.06	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1473 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.13	
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.22	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.38	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.63	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.14	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.66	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.55	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.03	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.75	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.47	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.54	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1487)		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.10	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.12	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.16	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.28	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.44	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.73	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.05	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.66	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.01	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.59	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.18	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.92	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.01	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	10.91	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1487)		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.15	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.21	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.30	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.56	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.62	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.51	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.78	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.07	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.75	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.29	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.24	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.29	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	15.63	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	18.75	
05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.19	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.41	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.47	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.81	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.90	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.61	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.76	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer	3.05	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer	5.04	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer	6.86	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	9.57	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	14.73	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	26.37	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	29.28	
05 05 23 00-1532 Load Indicating Washers (05 05 23 00-1283)		
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)		
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.76	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.13	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.37	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.83	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.63	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.69	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.94	

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		12.69	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		13.95	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1533)</small>			
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.50	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.89	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.79	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		4.63	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		5.48	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		8.26	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		10.40	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		14.79	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		16.27	
05 05 23 00-1554		Beveled Washers <small>(05 05 23 00-1283)</small>			
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) <small>(05 05 23 00-1554)</small>			
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)		4.56	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)		4.66	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)		4.76	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)		5.79	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)		6.09	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) <small>(05 05 23 00-1554)</small>			
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)		6.56	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)		6.85	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)		6.85	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)		7.25	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)		7.71	
05 05 23 00-1567		Drilling In Existing Steel Plates <small>(05 05 23)</small>			
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate		22.37	
		<i>For Aluminum, Deduct</i>		-2.24	
		<i>For Stainless Steel, Add</i>		2.80	
		<i>For >5 To 10, Deduct</i>		-2.24	
		<i>For >10 To 25, Deduct</i>		-5.59	
		<i>For >25 To 50, Deduct</i>		-7.83	
		<i>For >50, Deduct</i>		-11.19	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate		26.32	
		<i>For Aluminum, Deduct</i>		-2.63	
		<i>For Stainless Steel, Add</i>		3.29	
		<i>For >5 To 10, Deduct</i>		-2.63	
		<i>For >10 To 25, Deduct</i>		-6.58	
		<i>For >25 To 50, Deduct</i>		-9.21	
		<i>For >50, Deduct</i>		-13.16	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate		31.59	
		<i>For Aluminum, Deduct</i>		-3.16	
		<i>For Stainless Steel, Add</i>		3.95	
		<i>For >5 To 10, Deduct</i>		-3.16	
		<i>For >10 To 25, Deduct</i>		-7.90	
		<i>For >25 To 50, Deduct</i>		-11.06	
		<i>For >50, Deduct</i>		-15.80	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate		36.85	
		<i>For Aluminum, Deduct</i>		-3.69	
		<i>For Stainless Steel, Add</i>		4.61	
		<i>For >5 To 10, Deduct</i>		-3.69	
		<i>For >10 To 25, Deduct</i>		-9.21	
		<i>For >25 To 50, Deduct</i>		-12.90	
		<i>For >50, Deduct</i>		-18.43	
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate		49.36	
		<i>For Aluminum, Deduct</i>		-4.94	
		<i>For Stainless Steel, Add</i>		6.17	
		<i>For >5 To 10, Deduct</i>		-4.94	
		<i>For >10 To 25, Deduct</i>		-12.34	
		<i>For >25 To 50, Deduct</i>		-17.28	
		<i>For >50, Deduct</i>		-24.68	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate		26.32	
		<i>For Aluminum, Deduct</i>		-2.63	
		<i>For Stainless Steel, Add</i>		3.29	
		<i>For >5 To 10, Deduct</i>		-2.63	
		<i>For >10 To 25, Deduct</i>		-6.58	
		<i>For >25 To 50, Deduct</i>		-9.21	
		<i>For >50, Deduct</i>		-13.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1574 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.90	
For Aluminum, Deduct	-3.29	
For Stainless Steel, Add	4.11	
For >5 To 10, Deduct	-3.29	
For >10 To 25, Deduct	-8.23	
For >25 To 50, Deduct	-11.52	
For >50, Deduct	-16.45	
05 05 23 00-1575 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	39.48	
For Aluminum, Deduct	-3.95	
For Stainless Steel, Add	4.94	
For >5 To 10, Deduct	-3.95	
For >10 To 25, Deduct	-9.87	
For >25 To 50, Deduct	-13.82	
For >50, Deduct	-19.74	
05 05 23 00-1576 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	49.36	
For Aluminum, Deduct	-4.94	
For Stainless Steel, Add	6.17	
For >5 To 10, Deduct	-4.94	
For >10 To 25, Deduct	-12.34	
For >25 To 50, Deduct	-17.28	
For >50, Deduct	-24.68	
05 05 23 00-1577 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	32.90	
For Aluminum, Deduct	-3.29	
For Stainless Steel, Add	4.11	
For >5 To 10, Deduct	-3.29	
For >10 To 25, Deduct	-8.23	
For >25 To 50, Deduct	-11.52	
For >50, Deduct	-16.45	
05 05 23 00-1578 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	43.43	
For Aluminum, Deduct	-4.34	
For Stainless Steel, Add	5.43	
For >5 To 10, Deduct	-4.34	
For >10 To 25, Deduct	-10.66	
For >25 To 50, Deduct	-15.20	
For >50, Deduct	-21.72	
05 05 23 00-1579 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	52.64	
For >5 To 10, Deduct	-5.26	
For >10 To 25, Deduct	-13.16	
For >25 To 50, Deduct	-18.42	
For >50, Deduct	-26.32	

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

05 05 23 00-1581 EA 1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.69
05 05 23 00-1582 EA 2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.80
05 05 23 00-1583 EA 3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.85
05 05 23 00-1584 EA 4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.89
05 05 23 00-1585 EA 1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.57
05 05 23 00-1586 EA 1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.84
05 05 23 00-1587 EA 2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.11
05 05 23 00-1588 EA 2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.25
05 05 23 00-1589 EA 3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.39
05 05 23 00-1590 EA 4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.95
05 05 23 00-1591 EA 5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.41
05 05 23 00-1592 EA 6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.78
05 05 23 00-1593 EA 1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.65
05 05 23 00-1594 EA 1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.69
05 05 23 00-1595 EA 2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.11
05 05 23 00-1596 EA 2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.51
05 05 23 00-1597 EA 3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.00
05 05 23 00-1598 EA 4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.76
05 05 23 00-1599 EA 5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.25
05 05 23 00-1600 EA 6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	9.59
05 05 23 00-1601 EA 8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	12.12
05 05 23 00-1602 EA 2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.20
05 05 23 00-1603 EA 3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.84
05 05 23 00-1604 EA 3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.36
05 05 23 00-1605 EA 4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.88
05 05 23 00-1606 EA 4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.31
05 05 23 00-1607 EA 5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.70
05 05 23 00-1608 EA 6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.22
05 05 23 00-1609 EA 6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	13.39
05 05 23 00-1610 EA 8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	16.38

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)

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

05 05 23 00-1613 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	10.59
05 05 23 00-1614 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	11.05
05 05 23 00-1615 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	11.17
05 05 23 00-1616 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	11.23
05 05 23 00-1617 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	11.75
05 05 23 00-1618 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	12.70

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

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector		21.89	
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector		13.80	
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector		15.48	
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector		19.90	
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector		20.42	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector		22.25	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector		29.94	
05 05 23 00-1626		7/8" Diameter Welded Shear Stud Connector <small>(05 05 23 00-1611)</small>			
05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector		12.88	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector		13.62	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector		14.35	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector		16.46	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector		21.03	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector		23.26	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector		25.45	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector		31.62	
05 05 23 00-1635		1" Diameter Welded Shear Stud Connector <small>(05 05 23 00-1611)</small>			
05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector		17.68	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector		19.94	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector		23.26	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector		29.36	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector		32.84	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector		36.32	
05 10 Structural Metal Framing					
05 12 Structural Steel Framing					
05 12 23 Structural Steel for Buildings					
		See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.			
05 12 23 00-0001		Rolled Steel Members <small>(05 12 23)</small>			
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.			
05 12 23 00-0002		Beams, Girders And Columns <small>(05 12 23 00-0001)</small>			
		Note: For one and two story I beams and W shapes and HP shapes.			
05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns	12,005.97		1,307.25
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	744.12		
		<i>For Hot Dip Galvanizing, Add</i>	2,604.43		
		<i>For >10 To 25 Tons, Deduct</i>	-790.63		
		<i>For >25 To 50 Tons, Deduct</i>	-1,627.77		
		<i>For >50 Tons, Deduct</i>	-2,325.39		
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns	8,535.33		845.04
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	610.71		
		<i>For Hot Dip Galvanizing, Add</i>	2,137.48		
		<i>For >10 To 25 Tons, Deduct</i>	-648.88		
		<i>For >25 To 50 Tons, Deduct</i>	-1,335.93		
		<i>For >50 Tons, Deduct</i>	-1,908.47		
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns	7,284.30		475.38
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	542.18		
		<i>For Hot Dip Galvanizing, Add</i>	1,897.62		
		<i>For >10 To 25 Tons, Deduct</i>	-576.06		
		<i>For >25 To 50 Tons, Deduct</i>	-1,186.01		
		<i>For >50 Tons, Deduct</i>	-1,694.31		
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns	4,903.47		253.03
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	370.64		
		<i>For Hot Dip Galvanizing, Add</i>	1,297.25		
		<i>For >10 To 25 Tons, Deduct</i>	-393.81		
		<i>For >25 To 50 Tons, Deduct</i>	-810.78		
		<i>For >50 Tons, Deduct</i>	-1,158.26		
05 12 23 00-0007		Trusses, Built-Up <small>(05 12 23 00-0001)</small>			
05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	9,058.13		889.03
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	648.83		
		<i>For Hot Dip Galvanizing, Add</i>	2,270.89		
		<i>For >10 To 25 Tons, Deduct</i>	-689.38		
		<i>For >25 To 50 Tons, Deduct</i>	-1,419.31		
		<i>For >50 Tons, Deduct</i>	-2,027.58		
05 12 23 00-0009		Shapes <small>(05 12 23 00-0001)</small>			
05 12 23 00-0010		Rolled Shape Steel Angles <small>(05 12 23 00-0009)</small>			



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	17,483.02 1,074.62 3,761.17 -1,141.78 -2,350.73 -3,358.19	2,430.17
05 12 23 00-0012 TON >10 To 20 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	15,554.23 1,027.98 3,597.95 -1,092.23 -2,248.72 -3,212.45	1,426.15
05 12 23 00-0013 TON >20 To 58 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	12,205.11 904.30 3,165.06 -960.82 -1,978.16 -2,825.95	845.04
05 12 23 00-0014 Rolled C, MC Steel Channels <small>(05 12 23 00-0009)</small>		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	18,802.27 1,058.40 3,704.39 -1,124.55 -2,315.25 -3,307.50	3,327.70
05 12 23 00-0016 TON >10 To 20 Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	15,376.82 1,013.79 3,548.27 -1,077.15 -2,217.67 -3,168.10	2,535.39
05 12 23 00-0017 TON >20 To 58 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	12,002.35 888.08 3,108.29 -943.59 -1,942.68 -2,775.26	845.04
05 12 23 00-0018 Double L Shape Steel Angles <small>(05 12 23 00-0009)</small>		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	16,301.08 1,034.07 3,619.24 -1,098.70 -2,262.02 -3,231.46	1,928.16
05 12 23 00-0020 TON >20 To 50 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	13,066.83 973.24 3,406.34 -1,034.07 -2,128.96 -3,041.38	845.04
05 12 23 00-0021 TON >50 To 80 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,884.65 750.21 2,625.72 -797.09 -1,641.07 -2,344.39	475.38
05 12 23 00-0022 TON >80 To 115 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	6,352.77 486.62 1,703.17 -517.03 -1,064.48 -1,520.69	253.41
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes <small>(05 12 23 00-0001)</small>		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	14,869.92 973.24 3,406.34 -1,034.07 -2,128.96 -3,041.38	1,426.15
05 12 23 00-0025 TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,203.01 744.12 2,604.43 -790.63 -1,627.77 -2,325.39	845.04

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0026 TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	8,110.52 608.28 2,128.96 -646.29 -1,330.60 -1,900.86	475.38
05 12 23 00-0027 TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	5,998.36 458.23 1,603.82 -486.87 -1,002.39 -1,431.98	253.03
05 12 23 00-0028 Combination Section Shapes <small>(05 12 23 00-0001)</small>		
05 12 23 00-0029 Combination Section, W Shapes And Angles <small>(05 12 23 00-0028)</small>		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	14,084.23 910.38 3,186.35 -967.28 -1,991.47 -2,844.95	1,426.15
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,279.06 750.21 2,625.73 -797.10 -1,641.08 -2,344.40	845.04
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	7,476.89 557.58 1,951.55 -592.43 -1,219.72 -1,742.45	475.38
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	6,504.84 498.79 1,745.75 -529.96 -1,091.09 -1,558.71	253.03
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	5,635.05 439.99 1,539.95 -467.49 -962.47 -1,374.96	127.02
05 12 23 00-0035 Combination Section, S Shapes And Angles <small>(05 12 23 00-0028)</small>		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,873.53 717.76 2,512.18 -762.63 -1,570.11 -2,243.02	845.04
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	7,502.24 559.61 1,958.64 -594.59 -1,224.15 -1,748.79	475.38
05 12 23 00-0038 Combination Section, Channels And Angles <small>(05 12 23 00-0028)</small>		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	14,869.92 973.24 3,406.34 -1,034.07 -2,128.96 -3,041.38	1,426.15
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,785.94 790.76 2,767.65 -840.18 -1,729.78 -2,471.12	845.04
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	7,679.66 573.81 2,008.32 -609.67 -1,255.20 -1,793.15	475.38



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0042 Standard Weight Pipe <small>(05 12 23 00-0001)</small>		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe.....	8,718.89	760.62
For ASTM A242 Type 2 High Strength Steel, Add	632.61	
For Hot Dip Galvanizing, Add	2,214.12	
For >10 To 25 Tons, Deduct	-672.14	
For >25 To 50 Tons, Deduct	-1,383.82	
For >50 Tons, Deduct	-1,976.89	
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe.....	9,276.56	950.77
For ASTM A242 Type 2 High Strength Steel, Add	660.99	
For Hot Dip Galvanizing, Add	2,313.47	
For >10 To 25 Tons, Deduct	-702.30	
For >25 To 50 Tons, Deduct	-1,445.92	
For >50 Tons, Deduct	-2,065.60	
05 12 23 00-0045 Temporary Steel Support For Structures <small>(05 12 23 00-0001)</small>		
Note: Includes removal after use.		
05 12 23 00-0046 TON Up To 30 LB/LF Temporary Steel Support For Structures.....	12,005.97	
Note: For all stock sections.		
05 12 23 00-0047 TON >30 LB/LF Temporary Steel Support For Structures	8,535.33	
Note: For all stock sections.		
05 12 23 00-0048 Structural Steel Shapes <small>(05 12 23)</small>		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.		
05 12 23 00-0049 Steel Rods <small>(05 12 23 00-0048)</small>		
05 12 23 00-0050 TON 1/2" To 5" Diameter Extra Strong Steel, Solid.....	9,453.83	594.30
For ASTM A242 Type 2 High Strength Steel, Add	705.60	
For Hot Dip Galvanizing, Add	2,469.59	
For >10 To 25 Tons, Deduct	-749.70	
For >25 To 50 Tons, Deduct	-1,643.50	
For >50 Tons, Deduct	-2,205.00	
05 12 23 00-0051 TON >5" To 12" Diameter Extra Strong Steel, Solid	10,785.94	845.04
For ASTM A242 Type 2 High Strength Steel, Add	790.76	
For Hot Dip Galvanizing, Add	2,767.65	
For >10 To 25 Tons, Deduct	-840.18	
For >25 To 50 Tons, Deduct	-1,729.78	
For >50 Tons, Deduct	-2,471.12	
05 12 23 00-0052 Column Base Plates <small>(05 12 23 00-0048)</small>		
05 12 23 00-0053 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	4.61	0.76
For ASTM A242 Type 2 High Strength Steel, Add	0.30	
For Hot Dip Galvanizing, Add	1.06	
05 12 23 00-0054 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	4.34	0.66
For ASTM A242 Type 2 High Strength Steel, Add	0.29	
For Hot Dip Galvanizing, Add	1.01	
05 12 23 00-0055 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	8,565.09	679.69
For ASTM A242 Type 2 High Strength Steel, Add	627.21	
For Hot Dip Galvanizing, Add	2,195.23	
For >10 To 25 Tons, Deduct	-666.41	
For >25 To 50 Tons, Deduct	-1,372.02	
For >50 Tons, Deduct	-1,960.02	
05 12 23 00-0056 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items.....	6,105.64	407.81
For ASTM A242 Type 2 High Strength Steel, Add	453.65	
For Hot Dip Galvanizing, Add	1,587.78	
For >10 To 25 Tons, Deduct	-482.00	
For >25 To 50 Tons, Deduct	-992.36	
For >50 Tons, Deduct	-1,417.66	
05 12 23 00-0057 Double Extra Strong Pipes <small>(05 12 23 00-0048)</small>		
05 12 23 00-0058 TON 2" To 5" Diameter Double Extra Strong Pipe	11,246.27	1,086.54
For ASTM A242 Type 2 High Strength Steel, Add	806.98	
For Hot Dip Galvanizing, Add	2,824.42	
For >10 To 25 Tons, Deduct	-857.41	
For >25 To 50 Tons, Deduct	-1,765.27	
For >50 Tons, Deduct	-2,521.81	
05 12 23 00-0059 TON >5" To 8" Diameter Double Extra Strong Pipe.....	10,711.32	585.04
For ASTM A242 Type 2 High Strength Steel, Add	806.98	
For Hot Dip Galvanizing, Add	2,824.42	
For >10 To 25 Tons, Deduct	-857.41	
For >25 To 50 Tons, Deduct	-1,765.27	
For >50 Tons, Deduct	-2,521.81	
05 12 23 00-0060 Structural Pipes <small>(05 12 23 00-0048)</small>		

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0061 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	7,868.93	502.01
For ASTM A242 Type 2 High Strength Steel, Add	567.72	
For Hot Dip Galvanizing, Add	1,987.03	
For >10 To 25 Tons, Deduct	-603.21	
For >25 To 50 Tons, Deduct	-1,241.89	
For >50 Tons, Deduct	-1,774.14	
05 12 23 00-0062 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	8,373.81	578.96
For ASTM A242 Type 2 High Strength Steel, Add	567.72	
For Hot Dip Galvanizing, Add	1,987.03	
For >10 To 25 Tons, Deduct	-603.21	
For >25 To 50 Tons, Deduct	-1,241.89	
For >50 Tons, Deduct	-1,774.14	
05 12 23 00-0063 Structural Tubing (05 12 23 00-0048)		
05 12 23 00-0064 Rectangle Structural Tubing (05 12 23 00-0063)		
05 12 23 00-0065 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle.....	13,213.28	507.08
For ASTM A242 Type 2 High Strength Steel, Add	1,013.79	
For Hot Dip Galvanizing, Add	3,548.27	
For >10 To 25 Tons, Deduct	-1,077.15	
For >25 To 50 Tons, Deduct	-2,217.67	
For >50 Tons, Deduct	-3,168.10	
05 12 23 00-0066 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle	13,296.49	585.04
For ASTM A242 Type 2 High Strength Steel, Add	1,013.79	
For Hot Dip Galvanizing, Add	3,548.27	
For >10 To 25 Tons, Deduct	-1,077.15	
For >25 To 50 Tons, Deduct	-2,217.67	
For >50 Tons, Deduct	-3,168.10	
05 12 23 00-0067 TON 5" x 4", 3", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle	11,574.36	633.85
For ASTM A242 Type 2 High Strength Steel, Add	871.86	
For Hot Dip Galvanizing, Add	3,051.51	
For >10 To 25 Tons, Deduct	-926.35	
For >25 To 50 Tons, Deduct	-1,907.20	
For >50 Tons, Deduct	-2,724.57	
05 12 23 00-0068 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle	10,949.24	760.62
For ASTM A242 Type 2 High Strength Steel, Add	811.03	
For Hot Dip Galvanizing, Add	2,838.62	
For >10 To 25 Tons, Deduct	-861.72	
For >25 To 50 Tons, Deduct	-1,774.14	
For >50 Tons, Deduct	-2,534.48	
05 12 23 00-0069 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle	10,743.02	845.04
For ASTM A242 Type 2 High Strength Steel, Add	787.32	
For Hot Dip Galvanizing, Add	2,755.63	
For >10 To 25 Tons, Deduct	-836.53	
For >25 To 50 Tons, Deduct	-1,722.27	
For >50 Tons, Deduct	-2,460.39	
05 12 23 00-0070 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle	10,856.99	1,169.45
For ASTM A242 Type 2 High Strength Steel, Add	768.76	
For Hot Dip Galvanizing, Add	2,690.68	
For >10 To 25 Tons, Deduct	-816.81	
For >25 To 50 Tons, Deduct	-1,681.67	
For >50 Tons, Deduct	-2,402.39	
05 12 23 00-0071 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle	11,229.37	1,545.96
For ASTM A242 Type 2 High Strength Steel, Add	766.43	
For Hot Dip Galvanizing, Add	2,682.49	
For >10 To 25 Tons, Deduct	-814.33	
For >25 To 50 Tons, Deduct	-1,676.56	
For >50 Tons, Deduct	-2,395.08	
05 12 23 00-0072 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle	11,483.05	1,688.69
For ASTM A242 Type 2 High Strength Steel, Add	774.54	
For Hot Dip Galvanizing, Add	2,710.88	
For >10 To 25 Tons, Deduct	-822.95	
For >25 To 50 Tons, Deduct	-1,694.30	
For >50 Tons, Deduct	-2,420.43	
05 12 23 00-0073 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle	11,710.02	1,901.55
For ASTM A242 Type 2 High Strength Steel, Add	774.54	
For Hot Dip Galvanizing, Add	2,710.88	
For >10 To 25 Tons, Deduct	-822.95	
For >25 To 50 Tons, Deduct	-1,694.30	
For >50 Tons, Deduct	-2,420.43	
05 12 23 00-0074 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle	12,284.75	2,535.39
For ASTM A242 Type 2 High Strength Steel, Add	766.43	
For Hot Dip Galvanizing, Add	2,682.49	
For >10 To 25 Tons, Deduct	-814.33	
For >25 To 50 Tons, Deduct	-1,676.56	
For >50 Tons, Deduct	-2,395.08	
05 12 23 00-0075 TON 18" x 6", 4" Weight Range 48-76 LB/LF Structural Tubing - Rectangle	13,588.04	3,994.89
For ASTM A242 Type 2 High Strength Steel, Add	746.15	
For Hot Dip Galvanizing, Add	2,611.53	
For >10 To 25 Tons, Deduct	-792.78	
For >25 To 50 Tons, Deduct	-1,632.20	
For >50 Tons, Deduct	-2,331.72	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0076 TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	15,127.63 712.47 2,493.63 -756.99 -1,558.52 -2,226.46	5,833.04
05 12 23 00-0077 Square Structural Tubing <small>(05 12 23 00-0063)</small>		
05 12 23 00-0078 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	13,179.48 1,013.79 3,548.27 -1,077.15 -2,217.67 -3,168.10	475.38
05 12 23 00-0079 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	13,213.28 1,013.79 3,548.27 -1,077.15 -2,217.67 -3,168.10	507.08
05 12 23 00-0080 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,827.81 892.14 3,122.48 -947.90 -1,951.55 -2,787.93	633.85
05 12 23 00-0081 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	11,709.58 871.86 3,051.51 -926.35 -1,907.20 -2,724.57	760.62
05 12 23 00-0082 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,327.25 665.05 2,327.67 -706.61 -1,454.79 -2,078.27	950.77
05 12 23 00-0083 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,472.13 665.05 2,327.67 -706.61 -1,454.79 -2,078.27	1,086.54
05 12 23 00-0084 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,935.74 665.05 2,327.67 -706.61 -1,454.79 -2,078.27	1,521.23
05 12 23 00-0085 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,493.47 677.21 2,370.24 -719.54 -1,481.40 -2,116.29	1,901.55
05 12 23 00-0086 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	12,538.20 786.70 2,753.46 -835.87 -1,720.91 -2,458.45	2,535.39
05 12 23 00-0087 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	13,890.40 786.70 2,753.46 -835.87 -1,720.91 -2,458.45	3,803.08
05 12 23 00-0088 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	13,226.45 677.21 2,370.24 -719.54 -1,481.40 -2,116.29	4,463.68
05 12 23 00-0089 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	15,852.83 770.48 2,696.69 -818.64 -1,685.43 -2,407.76	5,833.04

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0090	TON		16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	17,947.03 786.70 2,753.46 -835.87 -1,720.91 -2,458.45	7,606.17
05 12 23 00-0091			Galvanized Steel Pipe Tubing (05 12 23 00-0063) Note: ASTM A53 Grade B		
05 12 23 00-0092	LF		2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	47.85	5.55
05 12 23 00-0093	LF		2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	52.50	6.61
05 12 23 00-0094	LF		3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	58.10	8.78
05 12 23 00-0095	LF		3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	62.65	9.78
05 12 23 00-0096	LF		4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	65.50	10.57
05 12 23 00-0097	LF		5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	73.32	13.22
05 12 23 00-0098	LF		6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	81.14	15.86
05 12 23 00-0099	LF		8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	88.75	19.03
05 12 23 00-0100	LF		10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	99.75	23.26
05 12 23 00-0101	LF		12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	117.09	29.60
05 12 23 00-0102			Structural Shapes (05 12 23 00-0048)		
05 12 23 00-0103	TON		Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >20 To 50 LB/LF, Deduct</i> <i>For >50 To 75 LB/LF, Deduct</i> <i>For >75 To 100 LB/LF, Deduct</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	8,525.47 336.80 1,178.79 -1,068.32 -1,710.37 -2,352.42 -357.85 -736.75 -1,052.50	2,718.76
05 12 23 00-0104	TON		Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >21.5 To 50 LB/LF, Deduct</i> <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,556.66 648.84 2,270.94 -1,027.97 -689.39 -1,419.34 -2,027.63	1,087.51
05 12 23 00-0105	LB		Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	5.60	0.24
05 12 23 00-0106	LB		Structural Shapes, Galvanized Pipe Supports	6.86	0.24
05 12 23 00-0107			Built-Up Trusses (05 12 23 00-0048)		
05 12 23 00-0108	TON		Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,720.99 -876.80 -1,805.18 -2,578.83	380.31
05 12 23 00-0109	TON		>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	10,642.07 -885.42 -1,822.92 -2,604.18	211.20
05 12 23 00-0110	TON		>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,496.88 -797.09 -1,641.07 -2,344.39	111.81
05 12 23 00-0111	TON		>200 LF Span Average Weight 180 LB/LF Trusses, Built-up <i>For >10 To 25 Tons, Deduct</i> <i>For >25 To 50 Tons, Deduct</i> <i>For >50 Tons, Deduct</i>	9,236.80 -775.55 -1,596.72 -2,281.03	105.73
05 12 23 00-0112			Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0048) Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113	SF		1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	34.07	7.83
05 12 23 00-0114	SF		3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	51.10	11.71
05 12 23 00-0115	SF		1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	68.13	15.61
05 12 23 00-0116	SF		5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	85.16	19.52
05 12 23 00-0117	SF		3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	102.20	23.31
05 12 23 00-0118	SF		7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	119.23	27.32
05 12 23 00-0119	SF		1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	136.26	31.23
05 12 23 00-0120	SF		1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	153.29	35.13
05 12 23 00-0121	SF		1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	170.34	39.02
05 12 23 00-0122	SF		1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	187.36	42.93
05 12 23 00-0123	SF		1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	204.40	46.83
05 12 23 00-0124	SF		1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	221.42	50.73
05 12 23 00-0125	SF		1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	238.47	54.64
05 12 23 00-0126	SF		1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	255.49	58.54
05 12 23 00-0127	SF		2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	272.53	62.44
05 12 23 00-0128			Accessories For Steel (05 12 23)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23	00-0129		Field Painting For Touch-Up Of Shop Prime Coat <small>(05 12 23 00-0128)</small>		
	05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.55	
05 12 23	00-0131		Connection And Stiffener Plates <small>(05 12 23 00-0128)</small>		
			Note: For field fabrication of additional structural metal connections.		
	05 12 23 00-0132	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	23,414.23	
			For >10 To 25 Tons, Deduct	-1,990.21	
			For >25 To 50 Tons, Deduct	-4,097.49	
			For >50 Tons, Deduct	-5,853.56	
	05 12 23 00-0133	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	19,976.92	
			For >10 To 25 Tons, Deduct	-1,698.04	
			For >25 To 50 Tons, Deduct	-3,495.96	
			For >50 Tons, Deduct	-4,994.23	
	05 12 23 00-0134	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	15,448.56	
			For >10 To 25 Tons, Deduct	-1,313.13	
			For >25 To 50 Tons, Deduct	-2,703.50	
			For >50 Tons, Deduct	-3,862.14	
	05 12 23 00-0135	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	15,448.56	
			For >10 To 25 Tons, Deduct	-1,313.13	
			For >25 To 50 Tons, Deduct	-2,703.50	
			For >50 Tons, Deduct	-3,862.14	
	05 12 23 00-0136	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	15,448.56	
			For >10 To 25 Tons, Deduct	-1,313.13	
			For >25 To 50 Tons, Deduct	-2,703.50	
			For >50 Tons, Deduct	-3,862.14	
	05 12 23 00-0137	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	15,448.56	
			For >10 To 25 Tons, Deduct	-1,313.13	
			For >25 To 50 Tons, Deduct	-2,703.50	
			For >50 Tons, Deduct	-3,862.14	
	05 12 23 00-0138	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	15,448.56	
			For >10 To 25 Tons, Deduct	-1,313.13	
			For >25 To 50 Tons, Deduct	-2,703.50	
			For >50 Tons, Deduct	-3,862.14	
	05 12 23 00-0139	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	15,448.56	
			For >10 To 25 Tons, Deduct	-1,313.13	
			For >25 To 50 Tons, Deduct	-2,703.50	
			For >50 Tons, Deduct	-3,862.14	
	05 12 23 00-0140	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	14,483.03	
			For >10 To 25 Tons, Deduct	-1,231.06	
			For >25 To 50 Tons, Deduct	-2,534.53	
			For >50 Tons, Deduct	-3,620.76	
	05 12 23 00-0141	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	14,483.03	
			For >10 To 25 Tons, Deduct	-1,231.06	
			For >25 To 50 Tons, Deduct	-2,534.53	
			For >50 Tons, Deduct	-3,620.76	
	05 12 23 00-0142	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	14,483.03	
			For >10 To 25 Tons, Deduct	-1,231.06	
			For >25 To 50 Tons, Deduct	-2,534.53	
			For >50 Tons, Deduct	-3,620.76	
05 12 23	00-0143		Field Applied Cold Galvanizing <small>(05 12 23 00-0128)</small>		
	05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	2.06	
05 12 23	00-0145		Metal Grinding <small>(05 12 23 00-0128)</small>		
			Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
	05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.19	
			Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23	00-0147		Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
			Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23	00-0148		First Tier A992/A36 Structural Steel Columns, W Shapes <small>(05 12 23 00-0147)</small>		
			Note: With base plate. Includes material delivery and erection.		
	05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,663.19	75.41
			For Hot Dip Galvanizing, Add	439.23	
			For High Strength Low Alloy A572-50 Steel, Add	149.69	
			For High Strength Low Alloy A588 Grade B Steel, Add	332.64	
	05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,516.79	70.29
			For Hot Dip Galvanizing, Add	400.12	
			For High Strength Low Alloy A572-50 Steel, Add	136.51	
			For High Strength Low Alloy A588 Grade B Steel, Add	303.36	
	05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,381.52	65.43
			For Hot Dip Galvanizing, Add	364.02	
			For High Strength Low Alloy A572-50 Steel, Add	124.34	
			For High Strength Low Alloy A588 Grade B Steel, Add	276.30	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0152	LF		W14 x 550 A992/A36 Structural Column	1,257.40	60.85
			<i>For Hot Dip Galvanizing, Add</i>	330.92	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	113.17	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	251.48	
05 12 23 00-0153	LF		W14 x 500 A992/A36 Structural Column	1,154.45	65.92
			<i>For Hot Dip Galvanizing, Add</i>	300.84	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	103.90	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	230.89	
05 12 23 00-0154	LF		W14 x 426 A992/A36 Structural Column	985.00	57.55
			<i>For Hot Dip Galvanizing, Add</i>	256.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	88.65	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	197.00	
05 12 23 00-0155	LF		W14 x 342 A992/A36 Structural Column	796.45	49.82
			<i>For Hot Dip Galvanizing, Add</i>	206.29	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	71.68	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	159.29	
05 12 23 00-0156	LF		W14 x 311 A992/A36 Structural Column	717.32	46.53
			<i>For Hot Dip Galvanizing, Add</i>	185.28	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	64.56	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.46	
05 12 23 00-0157	LF		W14 x 283 A992/A36 Structural Column	651.08	43.87
			<i>For Hot Dip Galvanizing, Add</i>	167.71	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	58.60	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.22	
05 12 23 00-0158	LF		W14 x 257 A992/A36 Structural Column	572.25	41.58
			<i>For Hot Dip Galvanizing, Add</i>	146.50	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	51.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	114.45	
05 12 23 00-0159	LF		W14 x 233 A992/A36 Structural Column	526.63	38.67
			<i>For Hot Dip Galvanizing, Add</i>	134.70	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	47.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	105.33	
05 12 23 00-0160	LF		W14 x 211 A992/A36 Structural Column	468.40	36.00
			<i>For Hot Dip Galvanizing, Add</i>	119.32	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.16	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.68	
05 12 23 00-0161	LF		W14 x 193 A992/A36 Structural Column	423.63	34.23
			<i>For Hot Dip Galvanizing, Add</i>	107.43	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	38.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.73	
05 12 23 00-0162	LF		W14 x 176 A992/A36 Structural Column	381.81	32.70
			<i>For Hot Dip Galvanizing, Add</i>	96.28	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.36	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.36	
05 12 23 00-0163	LF		W14 x 159 A992/A36 Structural Column	345.20	31.56
			<i>For Hot Dip Galvanizing, Add</i>	86.47	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.07	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.04	
05 12 23 00-0164	LF		W14 x 145 A992/A36 Structural Column	333.59	30.55
			<i>For Hot Dip Galvanizing, Add</i>	83.53	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.02	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.72	
05 12 23 00-0165	LF		W14 x 132 A992/A36 Structural Column	285.25	29.16
			<i>For Hot Dip Galvanizing, Add</i>	70.54	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.67	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.05	
05 12 23 00-0166	LF		W14 x 120 A992/A36 Structural Column	267.44	28.39
			<i>For Hot Dip Galvanizing, Add</i>	65.81	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.07	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	53.49	
05 12 23 00-0167	LF		W14 x 109 A992/A36 Structural Column	239.45	27.26
			<i>For Hot Dip Galvanizing, Add</i>	58.39	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.55	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.89	
05 12 23 00-0168	LF		W14 x 99 A992/A36 Structural Column	218.47	26.49
			<i>For Hot Dip Galvanizing, Add</i>	52.82	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.66	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.69	
05 12 23 00-0169	LF		W14 x 90 A992/A36 Structural Column	202.95	25.86
			<i>For Hot Dip Galvanizing, Add</i>	48.68	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.59	
05 12 23 00-0170	LF		W14 x 82 A992/A36 Structural Column	186.94	25.10
			<i>For Hot Dip Galvanizing, Add</i>	44.45	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.82	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.39	
05 12 23 00-0171	LF		W14 x 74 A992/A36 Structural Column	168.78	24.46
			<i>For Hot Dip Galvanizing, Add</i>	39.62	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.19	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.76	
05 12 23 00-0172	LF		W14 x 68 A992/A36 Structural Column	157.64	24.09
			<i>For Hot Dip Galvanizing, Add</i>	36.64	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.19	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.53	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0173	LF		W14 x 61 A992/A36 Structural Column	143.72	23.46
			<i>For Hot Dip Galvanizing, Add</i>	32.95	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.93	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.74	
05 12 23 00-0174	LF		W14 x 53 A992/A36 Structural Column	130.90	22.82
			<i>For Hot Dip Galvanizing, Add</i>	29.57	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.78	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.18	
05 12 23 00-0175	LF		W14 x 48 A992/A36 Structural Column	122.63	22.44
			<i>For Hot Dip Galvanizing, Add</i>	27.38	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.04	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.53	
05 12 23 00-0176	LF		W14 x 43 A992/A36 Structural Column	110.64	22.06
			<i>For Hot Dip Galvanizing, Add</i>	24.19	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.96	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.13	
05 12 23 00-0177	LF		W12 x 336 A992/A36 Structural Column	758.46	33.58
			<i>For Hot Dip Galvanizing, Add</i>	200.54	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	68.26	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	151.69	
05 12 23 00-0178	LF		W12 x 305 A992/A36 Structural Column	691.07	32.91
			<i>For Hot Dip Galvanizing, Add</i>	182.03	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	62.20	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	138.21	
05 12 23 00-0179	LF		W12 x 279 A992/A36 Structural Column	634.71	32.52
			<i>For Hot Dip Galvanizing, Add</i>	166.52	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	57.12	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	126.94	
05 12 23 00-0180	LF		W12 x 252 A992/A36 Structural Column	575.78	31.71
			<i>For Hot Dip Galvanizing, Add</i>	150.40	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	51.82	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	115.16	
05 12 23 00-0181	LF		W12 x 230 A992/A36 Structural Column	527.99	31.25
			<i>For Hot Dip Galvanizing, Add</i>	137.27	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	47.52	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	105.60	
05 12 23 00-0182	LF		W12 x 210 A992/A36 Structural Column	484.50	30.81
			<i>For Hot Dip Galvanizing, Add</i>	125.34	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	43.61	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.90	
05 12 23 00-0183	LF		W12 x 190 A992/A36 Structural Column	446.05	34.99
			<i>For Hot Dip Galvanizing, Add</i>	113.40	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	40.14	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.21	
05 12 23 00-0184	LF		W12 x 170 A992/A36 Structural Column	403.04	33.97
			<i>For Hot Dip Galvanizing, Add</i>	101.82	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	36.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	80.61	
05 12 23 00-0185	LF		W12 x 152 A992/A36 Structural Column	363.31	31.56
			<i>For Hot Dip Galvanizing, Add</i>	91.49	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.70	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.66	
05 12 23 00-0186	LF		W12 x 136 A992/A36 Structural Column	345.38	30.68
			<i>For Hot Dip Galvanizing, Add</i>	86.77	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.08	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.08	
05 12 23 00-0187	LF		W12 x 120 A992/A36 Structural Column	261.40	28.14
			<i>For Hot Dip Galvanizing, Add</i>	64.17	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.53	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.28	
05 12 23 00-0188	LF		W12 x 106 A992/A36 Structural Column	240.89	27.26
			<i>For Hot Dip Galvanizing, Add</i>	58.79	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.68	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.18	
05 12 23 00-0189	LF		W12 x 96 A992/A36 Structural Column	215.48	26.37
			<i>For Hot Dip Galvanizing, Add</i>	52.02	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.39	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.10	
05 12 23 00-0190	LF		W12 x 87 A992/A36 Structural Column	198.75	25.48
			<i>For Hot Dip Galvanizing, Add</i>	47.59	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.89	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.75	
05 12 23 00-0191	LF		W12 x 79 A992/A36 Structural Column	174.37	24.72
			<i>For Hot Dip Galvanizing, Add</i>	41.07	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.69	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.87	
05 12 23 00-0192	LF		W12 x 72 A992/A36 Structural Column	159.55	24.09
			<i>For Hot Dip Galvanizing, Add</i>	37.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.36	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.91	
05 12 23 00-0193	LF		W12 x 65 A992/A36 Structural Column	145.83	23.58
			<i>For Hot Dip Galvanizing, Add</i>	33.50	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.12	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	29.17	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0194	LF		W12 x 58 A992/A36 Structural Column	141.09	23.33
			<i>For Hot Dip Galvanizing, Add</i>	32.26	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.70	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.22	
05 12 23 00-0195	LF		W12 x 53 A992/A36 Structural Column	130.90	22.82
			<i>For Hot Dip Galvanizing, Add</i>	29.57	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.78	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.18	
05 12 23 00-0196	LF		W12 x 50 A992/A36 Structural Column	126.82	22.70
			<i>For Hot Dip Galvanizing, Add</i>	28.47	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.41	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.36	
05 12 23 00-0197	LF		W12 x 45 A992/A36 Structural Column	115.20	22.19
			<i>For Hot Dip Galvanizing, Add</i>	25.39	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.37	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.04	
05 12 23 00-0198	LF		W12 x 40 A992/A36 Structural Column	103.21	21.68
			<i>For Hot Dip Galvanizing, Add</i>	22.20	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.29	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.64	
05 12 23 00-0199	LF		W10 x 112 A992/A36 Structural Column	251.98	27.76
			<i>For Hot Dip Galvanizing, Add</i>	61.73	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.68	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.40	
05 12 23 00-0200	LF		W10 x 110 A992/A36 Structural Column	227.87	26.62
			<i>For Hot Dip Galvanizing, Add</i>	55.36	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.51	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.57	
05 12 23 00-0201	LF		W10 x 88 A992/A36 Structural Column	204.79	25.73
			<i>For Hot Dip Galvanizing, Add</i>	49.23	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.43	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.96	
05 12 23 00-0202	LF		W10 x 77 A992/A36 Structural Column	182.08	24.72
			<i>For Hot Dip Galvanizing, Add</i>	43.21	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.39	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.42	
05 12 23 00-0203	LF		W10 x 68 A992/A36 Structural Column	163.92	24.09
			<i>For Hot Dip Galvanizing, Add</i>	38.38	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.75	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.78	
05 12 23 00-0204	LF		W10 x 60 A992/A36 Structural Column	143.72	23.46
			<i>For Hot Dip Galvanizing, Add</i>	32.95	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.93	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.74	
05 12 23 00-0205	LF		W10 x 54 A992/A36 Structural Column	142.76	23.07
			<i>For Hot Dip Galvanizing, Add</i>	32.76	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.85	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.55	
05 12 23 00-0206	LF		W10 x 49 A992/A36 Structural Column	125.26	22.70
			<i>For Hot Dip Galvanizing, Add</i>	28.07	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.05	
05 12 23 00-0207	LF		W10 x 45 A992/A36 Structural Column	120.88	22.31
			<i>For Hot Dip Galvanizing, Add</i>	26.93	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.88	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.18	
05 12 23 00-0208	LF		W10 x 39 A992/A36 Structural Column	105.13	21.93
			<i>For Hot Dip Galvanizing, Add</i>	22.70	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.46	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.03	
05 12 23 00-0209	LF		W10 x 33 A992/A36 Structural Column	91.59	21.29
			<i>For Hot Dip Galvanizing, Add</i>	19.12	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.24	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.32	
05 12 23 00-0210	LF		W8 x 67 A992/A36 Structural Column	157.82	24.09
			<i>For Hot Dip Galvanizing, Add</i>	36.69	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.20	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.56	
05 12 23 00-0211	LF		W8 x 58 A992/A36 Structural Column	141.63	23.33
			<i>For Hot Dip Galvanizing, Add</i>	32.41	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.75	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.33	
05 12 23 00-0212	LF		W8 x 48 A992/A36 Structural Column	126.70	22.70
			<i>For Hot Dip Galvanizing, Add</i>	28.47	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.34	
05 12 23 00-0213	LF		W8 x 40 A992/A36 Structural Column	108.67	22.06
			<i>For Hot Dip Galvanizing, Add</i>	23.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.78	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.73	
05 12 23 00-0214	LF		W8 x 35 A992/A36 Structural Column	98.11	21.55
			<i>For Hot Dip Galvanizing, Add</i>	20.86	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.83	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	19.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0215 LF W8 x 31 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.61 18.57 8.06 17.92	21.29
05 12 23 00-0216 LF W8 x 28 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.33 17.17 7.59 16.87	21.04
05 12 23 00-0217 LF W8 x 24 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.98 15.48 7.02 15.60	20.79
05 12 23 00-0218 LF W8 x 21 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.77 14.39 6.64 14.75	20.66
05 12 23 00-0219 LF W8 x 18 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	65.81 12.25 5.92 13.16	20.29
05 12 23 00-0220 LF W6 x 25 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	81.93 16.58 7.37 16.39	20.79
05 12 23 00-0221 LF W6 x 20 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.16 13.14 6.22 13.83	20.41
05 12 23 00-0222 LF W6 x 15 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.20 10.55 5.33 11.84	19.78
05 12 23 00-0223 LF W6 x 12 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.43 9.51 4.99 11.09	19.78
05 12 23 00-0224 LF W6 x 9 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.64 8.21 4.56 10.13	19.65
05 12 23 00-0225 LF W5 x 19 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.08 12.84 6.13 13.62	20.41
05 12 23 00-0226 LF W5 x 16 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.63 11.40 5.64 12.53	20.29
05 12 23 00-0227 LF W4 x 13 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.60 10.35 5.27 11.72	20.03
05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes <small>(05 12 23 00-0147)</small>		
<small>Note: Includes material delivery and erection.</small>		
05 12 23 00-0229 LF W36 x 300 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	597.42 141.34 53.77 119.48 5.09 -195.88 71.69	82.59
05 12 23 00-0230 LF W36 x 280 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	576.80 131.92 51.91 115.36 4.75 -186.67 69.22	95.08
05 12 23 00-0231 LF W36 x 260 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	545.98 123.72 49.14 109.20 4.46 -176.07 65.52	93.94
05 12 23 00-0232 LF W36 x 240 A992/A36 Structural Beam Or Girder <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	508.29 117.49 45.75 101.66 4.23 -165.17 60.99	79.59

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0233	LF		W36 x 230 A992/A36 Structural Beam Or Girder	491.84	80.73
			For Hot Dip Galvanizing, Add	112.60	
			For High Strength Low Alloy A572-50 Steel, Add	44.27	
			For High Strength Low Alloy A588 Steel, Add	98.37	
			For Each Additional Top Copes >2, Add	4.06	
			For Structural Tees, WT, MT Or ST, Deduct	-159.23	
			For Skewed Or Sloped Connections, Add	59.02	
05 12 23 00-0234	LF		W36 x 210 A992/A36 Structural Beam Or Girder	467.44	90.89
			For Hot Dip Galvanizing, Add	102.80	
			For High Strength Low Alloy A572-50 Steel, Add	42.07	
			For High Strength Low Alloy A588 Steel, Add	93.49	
			For Each Additional Top Copes >2, Add	3.70	
			For Structural Tees, WT, MT Or ST, Deduct	-149.06	
			For Skewed Or Sloped Connections, Add	56.09	
05 12 23 00-0235	LF		W36 x 194 A992/A36 Structural Beam Or Girder	440.15	77.21
			For Hot Dip Galvanizing, Add	99.29	
			For High Strength Low Alloy A572-50 Steel, Add	39.61	
			For High Strength Low Alloy A588 Steel, Add	88.03	
			For Each Additional Top Copes >2, Add	3.58	
			For Structural Tees, WT, MT Or ST, Deduct	-141.70	
			For Skewed Or Sloped Connections, Add	52.82	
05 12 23 00-0236	LF		W36 x 182 A992/A36 Structural Beam Or Girder	417.43	76.64
			For Hot Dip Galvanizing, Add	93.15	
			For High Strength Low Alloy A572-50 Steel, Add	37.57	
			For High Strength Low Alloy A588 Steel, Add	83.49	
			For Each Additional Top Copes >2, Add	3.36	
			For Structural Tees, WT, MT Or ST, Deduct	-133.84	
			For Skewed Or Sloped Connections, Add	50.09	
05 12 23 00-0237	LF		W36 x 170 A992/A36 Structural Beam Or Girder	394.35	75.76
			For Hot Dip Galvanizing, Add	87.01	
			For High Strength Low Alloy A572-50 Steel, Add	35.49	
			For High Strength Low Alloy A588 Steel, Add	78.87	
			For Each Additional Top Copes >2, Add	3.14	
			For Structural Tees, WT, MT Or ST, Deduct	-125.90	
			For Skewed Or Sloped Connections, Add	47.32	
05 12 23 00-0238	LF		W36 x 160 A992/A36 Structural Beam Or Girder	388.91	87.98
			For Hot Dip Galvanizing, Add	81.89	
			For High Strength Low Alloy A572-50 Steel, Add	35.00	
			For High Strength Low Alloy A588 Steel, Add	77.78	
			For Each Additional Top Copes >2, Add	2.95	
			For Structural Tees, WT, MT Or ST, Deduct	-122.05	
			For Skewed Or Sloped Connections, Add	46.67	
05 12 23 00-0239	LF		W36 x 150 A992/A36 Structural Beam Or Girder	372.81	87.35
			For Hot Dip Galvanizing, Add	77.60	
			For High Strength Low Alloy A572-50 Steel, Add	33.55	
			For High Strength Low Alloy A588 Steel, Add	74.56	
			For Each Additional Top Copes >2, Add	2.80	
			For Structural Tees, WT, MT Or ST, Deduct	-116.51	
			For Skewed Or Sloped Connections, Add	44.74	
05 12 23 00-0240	LF		W36 x 135 A992/A36 Structural Beam Or Girder	350.31	86.59
			For Hot Dip Galvanizing, Add	71.60	
			For High Strength Low Alloy A572-50 Steel, Add	31.53	
			For High Strength Low Alloy A588 Steel, Add	70.06	
			For Each Additional Top Copes >2, Add	2.58	
			For Structural Tees, WT, MT Or ST, Deduct	-108.77	
			For Skewed Or Sloped Connections, Add	42.04	
05 12 23 00-0241	LF		W33 x 241 A992/A36 Structural Beam Or Girder	514.64	82.10
			For Hot Dip Galvanizing, Add	118.51	
			For High Strength Low Alloy A572-50 Steel, Add	46.32	
			For High Strength Low Alloy A588 Steel, Add	102.93	
			For Each Additional Top Copes >2, Add	4.27	
			For Structural Tees, WT, MT Or ST, Deduct	-166.99	
			For Skewed Or Sloped Connections, Add	61.76	
05 12 23 00-0242	LF		W33 x 221 A992/A36 Structural Beam Or Girder	477.06	80.09
			For Hot Dip Galvanizing, Add	108.68	
			For High Strength Low Alloy A572-50 Steel, Add	42.94	
			For High Strength Low Alloy A588 Steel, Add	95.41	
			For Each Additional Top Copes >2, Add	3.92	
			For Structural Tees, WT, MT Or ST, Deduct	-154.16	
			For Skewed Or Sloped Connections, Add	57.25	
05 12 23 00-0243	LF		W33 x 201 A992/A36 Structural Beam Or Girder	452.53	90.26
			For Hot Dip Galvanizing, Add	98.84	
			For High Strength Low Alloy A572-50 Steel, Add	40.73	
			For High Strength Low Alloy A588 Steel, Add	90.51	
			For Each Additional Top Copes >2, Add	3.56	
			For Structural Tees, WT, MT Or ST, Deduct	-143.93	
			For Skewed Or Sloped Connections, Add	54.30	
05 12 23 00-0244	LF		W33 x 170 A992/A36 Structural Beam Or Girder	406.21	88.61
			For Hot Dip Galvanizing, Add	86.51	
			For High Strength Low Alloy A572-50 Steel, Add	36.56	
			For High Strength Low Alloy A588 Steel, Add	81.24	
			For Each Additional Top Copes >2, Add	3.12	
			For Structural Tees, WT, MT Or ST, Deduct	-128.01	
			For Skewed Or Sloped Connections, Add	48.75	



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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0245	LF		W33 x 152 A992/A36 Structural Beam Or Girder	368.74	75.52
			<i>For Hot Dip Galvanizing, Add</i>	79.97	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	33.19	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	73.75	
			<i>For Each Additional Top Copes >2, Add</i>	2.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-116.98	
			<i>For Skewed Or Sloped Connections, Add</i>	44.25	
05 12 23 00-0246	LF		W33 x 141 A992/A36 Structural Beam Or Girder	360.01	86.84
			<i>For Hot Dip Galvanizing, Add</i>	74.19	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	72.00	
			<i>For Each Additional Top Copes >2, Add</i>	2.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-112.10	
			<i>For Skewed Or Sloped Connections, Add</i>	43.20	
05 12 23 00-0247	LF		W33 x 130 A992/A36 Structural Beam Or Girder	341.79	86.20
			<i>For Hot Dip Galvanizing, Add</i>	69.34	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.76	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	68.36	
			<i>For Each Additional Top Copes >2, Add</i>	2.50	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-105.84	
			<i>For Skewed Or Sloped Connections, Add</i>	41.01	
05 12 23 00-0248	LF		W33 x 118 A992/A36 Structural Beam Or Girder	320.61	85.44
			<i>For Hot Dip Galvanizing, Add</i>	63.68	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	28.85	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	64.12	
			<i>For Each Additional Top Copes >2, Add</i>	2.29	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-98.54	
			<i>For Skewed Or Sloped Connections, Add</i>	38.47	
05 12 23 00-0249	LF		W30 x 211 A992/A36 Structural Beam Or Girder	457.28	79.94
			<i>For Hot Dip Galvanizing, Add</i>	103.23	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	41.16	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	91.46	
			<i>For Each Additional Top Copes >2, Add</i>	3.72	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-147.26	
			<i>For Skewed Or Sloped Connections, Add</i>	54.87	
05 12 23 00-0250	LF		W30 x 191 A992/A36 Structural Beam Or Girder	432.46	89.62
			<i>For Hot Dip Galvanizing, Add</i>	93.45	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	38.92	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	86.49	
			<i>For Each Additional Top Copes >2, Add</i>	3.37	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-137.00	
			<i>For Skewed Or Sloped Connections, Add</i>	51.90	
05 12 23 00-0251	LF		W30 x 173 A992/A36 Structural Beam Or Girder	395.72	76.29
			<i>For Hot Dip Galvanizing, Add</i>	87.23	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	35.61	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	79.14	
			<i>For Each Additional Top Copes >2, Add</i>	3.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-126.30	
			<i>For Skewed Or Sloped Connections, Add</i>	47.49	
05 12 23 00-0252	LF		W30 x 154 A992/A36 Structural Beam Or Girder	373.13	87.47
			<i>For Hot Dip Galvanizing, Add</i>	77.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	33.58	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	74.63	
			<i>For Each Additional Top Copes >2, Add</i>	2.80	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-116.60	
			<i>For Skewed Or Sloped Connections, Add</i>	44.78	
05 12 23 00-0253	LF		W30 x 132 A992/A36 Structural Beam Or Girder	332.17	73.61
			<i>For Hot Dip Galvanizing, Add</i>	70.39	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	29.90	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	66.43	
			<i>For Each Additional Top Copes >2, Add</i>	2.54	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-104.48	
			<i>For Skewed Or Sloped Connections, Add</i>	39.86	
05 12 23 00-0254	LF		W30 x 124 A992/A36 Structural Beam Or Girder	316.75	73.56
			<i>For Hot Dip Galvanizing, Add</i>	66.13	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	28.51	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	63.35	
			<i>For Each Additional Top Copes >2, Add</i>	2.38	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-99.09	
			<i>For Skewed Or Sloped Connections, Add</i>	38.01	
05 12 23 00-0255	LF		W30 x 116 A992/A36 Structural Beam Or Girder	313.94	85.32
			<i>For Hot Dip Galvanizing, Add</i>	61.86	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	28.25	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	62.79	
			<i>For Each Additional Top Copes >2, Add</i>	2.23	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-96.22	
			<i>For Skewed Or Sloped Connections, Add</i>	37.67	
05 12 23 00-0256	LF		W30 x 108 A992/A36 Structural Beam Or Girder	290.52	76.82
			<i>For Hot Dip Galvanizing, Add</i>	57.89	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	26.15	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	58.10	
			<i>For Each Additional Top Copes >2, Add</i>	2.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-89.40	
			<i>For Skewed Or Sloped Connections, Add</i>	34.86	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0257	LF		W30 x 99 A992/A36 Structural Beam Or Girder	277.52	76.44
			For Hot Dip Galvanizing, Add	54.43	
			For High Strength Low Alloy A572-50 Steel, Add	24.98	
			For High Strength Low Alloy A588 Steel, Add	55.50	
			For Each Additional Top Copes >2, Add	1.96	
			For Structural Tees, WT, MT Or ST, Deduct	-84.93	
			For Skewed Or Sloped Connections, Add	33.30	
05 12 23 00-0258	LF		W27 x 178 A992/A36 Structural Beam Or Girder	439.64	89.32
			For Hot Dip Galvanizing, Add	95.56	
			For High Strength Low Alloy A572-50 Steel, Add	39.57	
			For High Strength Low Alloy A588 Steel, Add	87.93	
			For Each Additional Top Copes >2, Add	3.44	
			For Structural Tees, WT, MT Or ST, Deduct	-139.58	
			For Skewed Or Sloped Connections, Add	52.76	
05 12 23 00-0259	LF		W27 x 161 A992/A36 Structural Beam Or Girder	403.15	85.94
			For Hot Dip Galvanizing, Add	86.43	
			For High Strength Low Alloy A572-50 Steel, Add	36.28	
			For High Strength Low Alloy A588 Steel, Add	80.63	
			For Each Additional Top Copes >2, Add	3.11	
			For Structural Tees, WT, MT Or ST, Deduct	-127.35	
			For Skewed Or Sloped Connections, Add	48.38	
05 12 23 00-0260	LF		W27 x 146 A992/A36 Structural Beam Or Girder	370.89	82.91
			For Hot Dip Galvanizing, Add	78.38	
			For High Strength Low Alloy A572-50 Steel, Add	33.38	
			For High Strength Low Alloy A588 Steel, Add	74.18	
			For Each Additional Top Copes >2, Add	2.82	
			For Structural Tees, WT, MT Or ST, Deduct	-116.55	
			For Skewed Or Sloped Connections, Add	44.51	
05 12 23 00-0261	LF		W27 x 114 A992/A36 Structural Beam Or Girder	294.00	68.87
			For Hot Dip Galvanizing, Add	61.20	
			For High Strength Low Alloy A572-50 Steel, Add	26.46	
			For High Strength Low Alloy A588 Steel, Add	58.80	
			For Each Additional Top Copes >2, Add	2.21	
			For Structural Tees, WT, MT Or ST, Deduct	-91.88	
			For Skewed Or Sloped Connections, Add	35.28	
05 12 23 00-0262	LF		W27 x 102 A992/A36 Structural Beam Or Girder	278.84	76.44
			For Hot Dip Galvanizing, Add	54.76	
			For High Strength Low Alloy A572-50 Steel, Add	25.10	
			For High Strength Low Alloy A588 Steel, Add	55.77	
			For Each Additional Top Copes >2, Add	1.97	
			For Structural Tees, WT, MT Or ST, Deduct	-85.37	
			For Skewed Or Sloped Connections, Add	33.46	
05 12 23 00-0263	LF		W27 x 94 A992/A36 Structural Beam Or Girder	266.63	75.94
			For Hot Dip Galvanizing, Add	51.51	
			For High Strength Low Alloy A572-50 Steel, Add	24.00	
			For High Strength Low Alloy A588 Steel, Add	53.33	
			For Each Additional Top Copes >2, Add	1.86	
			For Structural Tees, WT, MT Or ST, Deduct	-81.17	
			For Skewed Or Sloped Connections, Add	32.00	
05 12 23 00-0264	LF		W27 x 84 A992/A36 Structural Beam Or Girder	251.72	75.43
			For Hot Dip Galvanizing, Add	47.55	
			For High Strength Low Alloy A572-50 Steel, Add	22.65	
			For High Strength Low Alloy A588 Steel, Add	50.34	
			For Each Additional Top Copes >2, Add	1.71	
			For Structural Tees, WT, MT Or ST, Deduct	-76.05	
			For Skewed Or Sloped Connections, Add	30.21	
05 12 23 00-0265	LF		W24 x 162 A992/A36 Structural Beam Or Girder	388.32	82.40
			For Hot Dip Galvanizing, Add	83.37	
			For High Strength Low Alloy A572-50 Steel, Add	34.95	
			For High Strength Low Alloy A588 Steel, Add	77.66	
			For Each Additional Top Copes >2, Add	3.00	
			For Structural Tees, WT, MT Or ST, Deduct	-122.73	
			For Skewed Or Sloped Connections, Add	46.60	
05 12 23 00-0266	LF		W24 x 146 A992/A36 Structural Beam Or Girder	355.03	79.00
			For Hot Dip Galvanizing, Add	75.14	
			For High Strength Low Alloy A572-50 Steel, Add	31.95	
			For High Strength Low Alloy A588 Steel, Add	71.01	
			For Each Additional Top Copes >2, Add	2.71	
			For Structural Tees, WT, MT Or ST, Deduct	-111.62	
			For Skewed Or Sloped Connections, Add	42.60	
05 12 23 00-0267	LF		W24 x 131 A992/A36 Structural Beam Or Girder	323.37	75.41
			For Hot Dip Galvanizing, Add	67.42	
			For High Strength Low Alloy A572-50 Steel, Add	29.10	
			For High Strength Low Alloy A588 Steel, Add	64.67	
			For Each Additional Top Copes >2, Add	2.43	
			For Structural Tees, WT, MT Or ST, Deduct	-101.12	
			For Skewed Or Sloped Connections, Add	38.80	
05 12 23 00-0268	LF		W24 x 117 A992/A36 Structural Beam Or Girder	293.40	71.64
			For Hot Dip Galvanizing, Add	60.21	
			For High Strength Low Alloy A572-50 Steel, Add	26.41	
			For High Strength Low Alloy A588 Steel, Add	58.68	
			For Each Additional Top Copes >2, Add	2.17	
			For Structural Tees, WT, MT Or ST, Deduct	-91.23	
			For Skewed Or Sloped Connections, Add	35.21	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0269 LF W24 x 104 A992/A36 Structural Beam Or Girder	265.13	67.75
For Hot Dip Galvanizing, Add	53.52	
For High Strength Low Alloy A572-50 Steel, Add	23.86	
For High Strength Low Alloy A588 Steel, Add	53.03	
For Each Additional Top Copes >2, Add	1.93	
For Structural Tees, WT, MT Or ST, Deduct	-81.96	
For Skewed Or Sloped Connections, Add	31.82	
05 12 23 00-0270 LF W24 x 94 A992/A36 Structural Beam Or Girder	255.32	75.94
For Hot Dip Galvanizing, Add	48.37	
For High Strength Low Alloy A572-50 Steel, Add	22.98	
For High Strength Low Alloy A588 Steel, Add	51.06	
For Each Additional Top Copes >2, Add	1.74	
For Structural Tees, WT, MT Or ST, Deduct	-77.21	
For Skewed Or Sloped Connections, Add	30.64	
05 12 23 00-0271 LF W24 x 84 A992/A36 Structural Beam Or Girder	232.92	67.31
For Hot Dip Galvanizing, Add	44.69	
For High Strength Low Alloy A572-50 Steel, Add	20.96	
For High Strength Low Alloy A588 Steel, Add	46.58	
For Each Additional Top Copes >2, Add	1.61	
For Structural Tees, WT, MT Or ST, Deduct	-70.74	
For Skewed Or Sloped Connections, Add	27.95	
05 12 23 00-0272 LF W24 x 76 A992/A36 Structural Beam Or Girder	221.50	66.81
For Hot Dip Galvanizing, Add	41.66	
For High Strength Low Alloy A572-50 Steel, Add	19.94	
For High Strength Low Alloy A588 Steel, Add	44.30	
For Each Additional Top Copes >2, Add	1.50	
For Structural Tees, WT, MT Or ST, Deduct	-66.82	
For Skewed Or Sloped Connections, Add	26.58	
05 12 23 00-0273 LF W24 x 68 A992/A36 Structural Beam Or Girder	207.12	66.43
For Hot Dip Galvanizing, Add	37.81	
For High Strength Low Alloy A572-50 Steel, Add	18.64	
For High Strength Low Alloy A588 Steel, Add	41.42	
For Each Additional Top Copes >2, Add	1.36	
For Structural Tees, WT, MT Or ST, Deduct	-61.86	
For Skewed Or Sloped Connections, Add	24.85	
05 12 23 00-0274 LF W24 x 62 A992/A36 Structural Beam Or Girder	199.59	66.04
For Hot Dip Galvanizing, Add	35.83	
For High Strength Low Alloy A572-50 Steel, Add	17.96	
For High Strength Low Alloy A588 Steel, Add	39.92	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-59.28	
For Skewed Or Sloped Connections, Add	23.95	
05 12 23 00-0275 LF W24 x 55 A992/A36 Structural Beam Or Girder	189.29	65.79
For Hot Dip Galvanizing, Add	33.08	
For High Strength Low Alloy A572-50 Steel, Add	17.04	
For High Strength Low Alloy A588 Steel, Add	37.86	
For Each Additional Top Copes >2, Add	1.19	
For Structural Tees, WT, MT Or ST, Deduct	-55.74	
For Skewed Or Sloped Connections, Add	22.71	
05 12 23 00-0276 LF W21 x 147 A992/A36 Structural Beam Or Girder	339.99	67.76
For Hot Dip Galvanizing, Add	74.29	
For High Strength Low Alloy A572-50 Steel, Add	30.60	
For High Strength Low Alloy A588 Steel, Add	68.00	
For Each Additional Top Copes >2, Add	2.68	
For Structural Tees, WT, MT Or ST, Deduct	-108.15	
For Skewed Or Sloped Connections, Add	40.80	
05 12 23 00-0277 LF W21 x 132 A992/A36 Structural Beam Or Girder	309.45	64.74
For Hot Dip Galvanizing, Add	66.71	
For High Strength Low Alloy A572-50 Steel, Add	27.85	
For High Strength Low Alloy A588 Steel, Add	61.89	
For Each Additional Top Copes >2, Add	2.40	
For Structural Tees, WT, MT Or ST, Deduct	-97.95	
For Skewed Or Sloped Connections, Add	37.13	
05 12 23 00-0278 LF W21 x 122 A992/A36 Structural Beam Or Girder	290.07	63.66
For Hot Dip Galvanizing, Add	61.65	
For High Strength Low Alloy A572-50 Steel, Add	26.11	
For High Strength Low Alloy A588 Steel, Add	58.01	
For Each Additional Top Copes >2, Add	2.22	
For Structural Tees, WT, MT Or ST, Deduct	-91.34	
For Skewed Or Sloped Connections, Add	34.81	
05 12 23 00-0279 LF W21 x 111 A992/A36 Structural Beam Or Girder	267.87	61.60
For Hot Dip Galvanizing, Add	56.10	
For High Strength Low Alloy A572-50 Steel, Add	24.11	
For High Strength Low Alloy A588 Steel, Add	53.57	
For Each Additional Top Copes >2, Add	2.02	
For Structural Tees, WT, MT Or ST, Deduct	-83.90	
For Skewed Or Sloped Connections, Add	32.14	
05 12 23 00-0280 LF W21 x 101 A992/A36 Structural Beam Or Girder	247.55	59.64
For Hot Dip Galvanizing, Add	51.04	
For High Strength Low Alloy A572-50 Steel, Add	22.28	
For High Strength Low Alloy A588 Steel, Add	49.51	
For Each Additional Top Copes >2, Add	1.84	
For Structural Tees, WT, MT Or ST, Deduct	-77.10	
For Skewed Or Sloped Connections, Add	29.71	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0281	LF		W21 x 93 A992/A36 Structural Beam Or Girder	242.01	68.08
			For Hot Dip Galvanizing, Add	47.00	
			For High Strength Low Alloy A572-50 Steel, Add	21.78	
			For High Strength Low Alloy A588 Steel, Add	48.40	
			For Each Additional Top Copes >2, Add	1.69	
			For Structural Tees, WT, MT Or ST, Deduct	-73.81	
			For Skewed Or Sloped Connections, Add	29.04	
05 12 23 00-0282	LF		W21 x 83 A992/A36 Structural Beam Or Girder	228.55	67.31
			For Hot Dip Galvanizing, Add	43.48	
			For High Strength Low Alloy A572-50 Steel, Add	20.57	
			For High Strength Low Alloy A588 Steel, Add	45.71	
			For Each Additional Top Copes >2, Add	1.57	
			For Structural Tees, WT, MT Or ST, Deduct	-69.21	
			For Skewed Or Sloped Connections, Add	27.43	
05 12 23 00-0283	LF		W21 x 73 A992/A36 Structural Beam Or Girder	212.06	66.81
			For Hot Dip Galvanizing, Add	39.07	
			For High Strength Low Alloy A572-50 Steel, Add	19.09	
			For High Strength Low Alloy A588 Steel, Add	42.41	
			For Each Additional Top Copes >2, Add	1.41	
			For Structural Tees, WT, MT Or ST, Deduct	-63.53	
			For Skewed Or Sloped Connections, Add	25.45	
05 12 23 00-0284	LF		W21 x 68 A992/A36 Structural Beam Or Girder	203.75	66.43
			For Hot Dip Galvanizing, Add	36.87	
			For High Strength Low Alloy A572-50 Steel, Add	18.34	
			For High Strength Low Alloy A588 Steel, Add	40.75	
			For Each Additional Top Copes >2, Add	1.33	
			For Structural Tees, WT, MT Or ST, Deduct	-60.68	
			For Skewed Or Sloped Connections, Add	24.45	
05 12 23 00-0285	LF		W21 x 62 A992/A36 Structural Beam Or Girder	196.22	66.04
			For Hot Dip Galvanizing, Add	34.89	
			For High Strength Low Alloy A572-50 Steel, Add	17.66	
			For High Strength Low Alloy A588 Steel, Add	39.24	
			For Each Additional Top Copes >2, Add	1.26	
			For Structural Tees, WT, MT Or ST, Deduct	-58.11	
			For Skewed Or Sloped Connections, Add	23.55	
05 12 23 00-0286	LF		W21 x 57 A992/A36 Structural Beam Or Girder	189.42	65.92
			For Hot Dip Galvanizing, Add	33.08	
			For High Strength Low Alloy A572-50 Steel, Add	17.05	
			For High Strength Low Alloy A588 Steel, Add	37.88	
			For Each Additional Top Copes >2, Add	1.19	
			For Structural Tees, WT, MT Or ST, Deduct	-55.76	
			For Skewed Or Sloped Connections, Add	22.73	
05 12 23 00-0287	LF		W21 x 50 A992/A36 Structural Beam Or Girder	167.99	57.18
			For Hot Dip Galvanizing, Add	29.66	
			For High Strength Low Alloy A572-50 Steel, Add	15.12	
			For High Strength Low Alloy A588 Steel, Add	33.60	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-49.63	
			For Skewed Or Sloped Connections, Add	20.16	
05 12 23 00-0288	LF		W21 x 44 A992/A36 Structural Beam Or Girder	160.08	56.92
			For Hot Dip Galvanizing, Add	27.57	
			For High Strength Low Alloy A572-50 Steel, Add	14.41	
			For High Strength Low Alloy A588 Steel, Add	32.02	
			For Each Additional Top Copes >2, Add	0.99	
			For Structural Tees, WT, MT Or ST, Deduct	-46.92	
			For Skewed Or Sloped Connections, Add	19.21	
05 12 23 00-0289	LF		W18 x 119 A992/A36 Structural Beam Or Girder	282.01	63.43
			For Hot Dip Galvanizing, Add	59.48	
			For High Strength Low Alloy A572-50 Steel, Add	25.38	
			For High Strength Low Alloy A588 Steel, Add	56.40	
			For Each Additional Top Copes >2, Add	2.14	
			For Structural Tees, WT, MT Or ST, Deduct	-88.55	
			For Skewed Or Sloped Connections, Add	33.84	
05 12 23 00-0290	LF		W18 x 106 A992/A36 Structural Beam Or Girder	255.05	60.12
			For Hot Dip Galvanizing, Add	52.98	
			For High Strength Low Alloy A572-50 Steel, Add	22.95	
			For High Strength Low Alloy A588 Steel, Add	51.01	
			For Each Additional Top Copes >2, Add	1.91	
			For Structural Tees, WT, MT Or ST, Deduct	-79.65	
			For Skewed Or Sloped Connections, Add	30.61	
05 12 23 00-0291	LF		W18 x 97 A992/A36 Structural Beam Or Girder	247.49	68.08
			For Hot Dip Galvanizing, Add	48.48	
			For High Strength Low Alloy A572-50 Steel, Add	22.27	
			For High Strength Low Alloy A588 Steel, Add	49.50	
			For Each Additional Top Copes >2, Add	1.75	
			For Structural Tees, WT, MT Or ST, Deduct	-75.71	
			For Skewed Or Sloped Connections, Add	29.70	
05 12 23 00-0292	LF		W18 x 86 A992/A36 Structural Beam Or Girder	232.05	67.45
			For Hot Dip Galvanizing, Add	44.41	
			For High Strength Low Alloy A572-50 Steel, Add	20.88	
			For High Strength Low Alloy A588 Steel, Add	46.41	
			For Each Additional Top Copes >2, Add	1.60	
			For Structural Tees, WT, MT Or ST, Deduct	-70.42	
			For Skewed Or Sloped Connections, Add	27.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0293	LF		W18 x 76 A992/A36 Structural Beam Or Girder	218.13	66.81
			<i>For Hot Dip Galvanizing, Add</i>	40.73	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.63	
			<i>For Each Additional Top Copes >2, Add</i>	1.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-65.64	
			<i>For Skewed Or Sloped Connections, Add</i>	26.18	
05 12 23 00-0294	LF		W18 x 71 A992/A36 Structural Beam Or Girder	207.96	66.68
			<i>For Hot Dip Galvanizing, Add</i>	37.97	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.72	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	41.59	
			<i>For Each Additional Top Copes >2, Add</i>	1.37	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-62.12	
			<i>For Skewed Or Sloped Connections, Add</i>	24.96	
05 12 23 00-0295	LF		W18 x 65 A992/A36 Structural Beam Or Girder	198.06	66.43
			<i>For Hot Dip Galvanizing, Add</i>	35.33	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.83	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.61	
			<i>For Each Additional Top Copes >2, Add</i>	1.27	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-58.71	
			<i>For Skewed Or Sloped Connections, Add</i>	23.77	
05 12 23 00-0296	LF		W18 x 60 A992/A36 Structural Beam Or Girder	189.14	65.92
			<i>For Hot Dip Galvanizing, Add</i>	32.96	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.02	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.83	
			<i>For Each Additional Top Copes >2, Add</i>	1.19	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-55.65	
			<i>For Skewed Or Sloped Connections, Add</i>	22.70	
05 12 23 00-0297	LF		W18 x 55 A992/A36 Structural Beam Or Girder	180.17	65.79
			<i>For Hot Dip Galvanizing, Add</i>	30.54	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.22	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.03	
			<i>For Each Additional Top Copes >2, Add</i>	1.10	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.54	
			<i>For Skewed Or Sloped Connections, Add</i>	21.62	
05 12 23 00-0298	LF		W18 x 50 A992/A36 Structural Beam Or Girder	162.44	57.18
			<i>For Hot Dip Galvanizing, Add</i>	28.12	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.49	
			<i>For Each Additional Top Copes >2, Add</i>	1.01	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.69	
			<i>For Skewed Or Sloped Connections, Add</i>	19.49	
05 12 23 00-0299	LF		W18 x 46 A992/A36 Structural Beam Or Girder	155.45	57.04
			<i>For Hot Dip Galvanizing, Add</i>	26.25	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.09	
			<i>For Each Additional Top Copes >2, Add</i>	0.95	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.28	
			<i>For Skewed Or Sloped Connections, Add</i>	18.65	
05 12 23 00-0300	LF		W18 x 40 A992/A36 Structural Beam Or Girder	136.06	48.68
			<i>For Hot Dip Galvanizing, Add</i>	23.33	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.25	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.21	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.83	
			<i>For Skewed Or Sloped Connections, Add</i>	16.33	
05 12 23 00-0301	LF		W18 x 35 A992/A36 Structural Beam Or Girder	127.28	48.55
			<i>For Hot Dip Galvanizing, Add</i>	20.97	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.46	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.46	
			<i>For Each Additional Top Copes >2, Add</i>	0.76	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.79	
			<i>For Skewed Or Sloped Connections, Add</i>	15.27	
05 12 23 00-0302	LF		W16 x 100 A992/A36 Structural Beam Or Girder	234.97	44.24
			<i>For Hot Dip Galvanizing, Add</i>	52.12	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.15	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	46.99	
			<i>For Each Additional Top Copes >2, Add</i>	1.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-75.17	
			<i>For Skewed Or Sloped Connections, Add</i>	28.20	
05 12 23 00-0303	LF		W16 x 89 A992/A36 Structural Beam Or Girder	215.17	43.48
			<i>For Hot Dip Galvanizing, Add</i>	46.83	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.03	
			<i>For Each Additional Top Copes >2, Add</i>	1.69	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-68.35	
			<i>For Skewed Or Sloped Connections, Add</i>	25.82	
05 12 23 00-0304	LF		W16 x 77 A992/A36 Structural Beam Or Girder	193.92	42.97
			<i>For Hot Dip Galvanizing, Add</i>	41.11	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.45	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	38.78	
			<i>For Each Additional Top Copes >2, Add</i>	1.48	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-61.01	
			<i>For Skewed Or Sloped Connections, Add</i>	23.27	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0305	LF		W16 x 67 A992/A36 Structural Beam Or Girder	175.82	42.34
			For Hot Dip Galvanizing, Add	36.27	
			For High Strength Low Alloy A572-50 Steel, Add	15.82	
			For High Strength Low Alloy A588 Steel, Add	35.16	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-54.77	
			For Skewed Or Sloped Connections, Add	21.10	
05 12 23 00-0306	LF		W16 x 57 A992/A36 Structural Beam Or Girder	157.94	41.70
			For Hot Dip Galvanizing, Add	31.48	
			For High Strength Low Alloy A572-50 Steel, Add	14.21	
			For High Strength Low Alloy A588 Steel, Add	31.59	
			For Each Additional Top Copes >2, Add	1.13	
			For Structural Tees, WT, MT Or ST, Deduct	-48.60	
			For Skewed Or Sloped Connections, Add	18.95	
05 12 23 00-0307	LF		W16 x 50 A992/A36 Structural Beam Or Girder	145.45	41.33
			For Hot Dip Galvanizing, Add	28.12	
			For High Strength Low Alloy A572-50 Steel, Add	13.09	
			For High Strength Low Alloy A588 Steel, Add	29.09	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-44.29	
			For Skewed Or Sloped Connections, Add	17.45	
05 12 23 00-0308	LF		W16 x 45 A992/A36 Structural Beam Or Girder	136.67	41.07
			For Hot Dip Galvanizing, Add	25.75	
			For High Strength Low Alloy A572-50 Steel, Add	12.30	
			For High Strength Low Alloy A588 Steel, Add	27.33	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-41.26	
			For Skewed Or Sloped Connections, Add	16.40	
05 12 23 00-0309	LF		W16 x 40 A992/A36 Structural Beam Or Girder	127.57	40.70
			For Hot Dip Galvanizing, Add	23.33	
			For High Strength Low Alloy A572-50 Steel, Add	11.48	
			For High Strength Low Alloy A588 Steel, Add	25.51	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-38.13	
			For Skewed Or Sloped Connections, Add	15.31	
05 12 23 00-0310	LF		W16 x 36 A992/A36 Structural Beam Or Girder	120.45	40.44
			For Hot Dip Galvanizing, Add	21.46	
			For High Strength Low Alloy A572-50 Steel, Add	10.84	
			For High Strength Low Alloy A588 Steel, Add	24.09	
			For Each Additional Top Copes >2, Add	0.77	
			For Structural Tees, WT, MT Or ST, Deduct	-35.69	
			For Skewed Or Sloped Connections, Add	14.45	
05 12 23 00-0311	LF		W16 x 31 A992/A36 Structural Beam Or Girder	102.98	32.20
			For Hot Dip Galvanizing, Add	19.04	
			For High Strength Low Alloy A572-50 Steel, Add	9.27	
			For High Strength Low Alloy A588 Steel, Add	20.60	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-30.89	
			For Skewed Or Sloped Connections, Add	12.36	
05 12 23 00-0312	LF		W16 x 26 A992/A36 Structural Beam Or Girder	91.50	31.82
			For Hot Dip Galvanizing, Add	15.96	
			For High Strength Low Alloy A572-50 Steel, Add	8.24	
			For High Strength Low Alloy A588 Steel, Add	18.30	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-26.93	
			For Skewed Or Sloped Connections, Add	10.98	
05 12 23 00-0313	LF		W14 x 99 A992/A36 Structural Beam Or Girder	224.69	36.26
			For Hot Dip Galvanizing, Add	51.62	
			For High Strength Low Alloy A572-50 Steel, Add	20.22	
			For High Strength Low Alloy A588 Steel, Add	44.94	
			For Each Additional Top Copes >2, Add	1.86	
			For Structural Tees, WT, MT Or ST, Deduct	-72.84	
			For Skewed Or Sloped Connections, Add	26.96	
05 12 23 00-0314	LF		W14 x 90 A992/A36 Structural Beam Or Girder	208.58	35.62
			For Hot Dip Galvanizing, Add	47.33	
			For High Strength Low Alloy A572-50 Steel, Add	18.77	
			For High Strength Low Alloy A588 Steel, Add	41.72	
			For Each Additional Top Copes >2, Add	1.71	
			For Structural Tees, WT, MT Or ST, Deduct	-67.30	
			For Skewed Or Sloped Connections, Add	25.03	
05 12 23 00-0315	LF		W14 x 82 A992/A36 Structural Beam Or Girder	194.20	35.24
			For Hot Dip Galvanizing, Add	43.48	
			For High Strength Low Alloy A572-50 Steel, Add	17.48	
			For High Strength Low Alloy A588 Steel, Add	38.84	
			For Each Additional Top Copes >2, Add	1.57	
			For Structural Tees, WT, MT Or ST, Deduct	-62.34	
			For Skewed Or Sloped Connections, Add	23.30	
05 12 23 00-0316	LF		W14 x 74 A992/A36 Structural Beam Or Girder	179.82	34.73
			For Hot Dip Galvanizing, Add	39.62	
			For High Strength Low Alloy A572-50 Steel, Add	16.18	
			For High Strength Low Alloy A588 Steel, Add	35.96	
			For Each Additional Top Copes >2, Add	1.43	
			For Structural Tees, WT, MT Or ST, Deduct	-57.38	
			For Skewed Or Sloped Connections, Add	21.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0317 LF W14 x 68 A992/A36 Structural Beam Or Girder	169.11	34.36
For Hot Dip Galvanizing, Add	36.76	
For High Strength Low Alloy A572-50 Steel, Add	15.22	
For High Strength Low Alloy A588 Steel, Add	33.82	
For Each Additional Top Copes >2, Add	1.32	
For Structural Tees, WT, MT Or ST, Deduct	-53.69	
For Skewed Or Sloped Connections, Add	20.29	
05 12 23 00-0318 LF W14 x 61 A992/A36 Structural Beam Or Girder	156.64	33.97
For Hot Dip Galvanizing, Add	33.41	
For High Strength Low Alloy A572-50 Steel, Add	14.10	
For High Strength Low Alloy A588 Steel, Add	31.33	
For Each Additional Top Copes >2, Add	1.20	
For Structural Tees, WT, MT Or ST, Deduct	-49.39	
For Skewed Or Sloped Connections, Add	18.80	
05 12 23 00-0319 LF W14 x 53 A992/A36 Structural Beam Or Girder	142.45	33.46
For Hot Dip Galvanizing, Add	29.61	
For High Strength Low Alloy A572-50 Steel, Add	12.82	
For High Strength Low Alloy A588 Steel, Add	28.49	
For Each Additional Top Copes >2, Add	1.07	
For Structural Tees, WT, MT Or ST, Deduct	-44.50	
For Skewed Or Sloped Connections, Add	17.09	
05 12 23 00-0320 LF W14 x 48 A992/A36 Structural Beam Or Girder	133.33	33.09
For Hot Dip Galvanizing, Add	27.19	
For High Strength Low Alloy A572-50 Steel, Add	12.00	
For High Strength Low Alloy A588 Steel, Add	26.67	
For Each Additional Top Copes >2, Add	0.98	
For Structural Tees, WT, MT Or ST, Deduct	-41.36	
For Skewed Or Sloped Connections, Add	16.00	
05 12 23 00-0321 LF W14 x 43 A992/A36 Structural Beam Or Girder	124.36	32.96
For Hot Dip Galvanizing, Add	24.76	
For High Strength Low Alloy A572-50 Steel, Add	11.19	
For High Strength Low Alloy A588 Steel, Add	24.87	
For Each Additional Top Copes >2, Add	0.89	
For Structural Tees, WT, MT Or ST, Deduct	-38.26	
For Skewed Or Sloped Connections, Add	14.92	
05 12 23 00-0322 LF W14 x 38 A992/A36 Structural Beam Or Girder	115.45	32.70
For Hot Dip Galvanizing, Add	22.40	
For High Strength Low Alloy A572-50 Steel, Add	10.39	
For High Strength Low Alloy A588 Steel, Add	23.09	
For Each Additional Top Copes >2, Add	0.81	
For Structural Tees, WT, MT Or ST, Deduct	-35.20	
For Skewed Or Sloped Connections, Add	13.85	
05 12 23 00-0323 LF W14 x 34 A992/A36 Structural Beam Or Girder	108.26	32.33
For Hot Dip Galvanizing, Add	20.47	
For High Strength Low Alloy A572-50 Steel, Add	9.74	
For High Strength Low Alloy A588 Steel, Add	21.65	
For Each Additional Top Copes >2, Add	0.74	
For Structural Tees, WT, MT Or ST, Deduct	-32.72	
For Skewed Or Sloped Connections, Add	12.99	
05 12 23 00-0324 LF W14 x 30 A992/A36 Structural Beam Or Girder	101.06	32.20
For Hot Dip Galvanizing, Add	18.55	
For High Strength Low Alloy A572-50 Steel, Add	9.10	
For High Strength Low Alloy A588 Steel, Add	20.21	
For Each Additional Top Copes >2, Add	0.67	
For Structural Tees, WT, MT Or ST, Deduct	-30.24	
For Skewed Or Sloped Connections, Add	12.13	
05 12 23 00-0325 LF W14 x 26 A992/A36 Structural Beam Or Girder	93.86	31.82
For Hot Dip Galvanizing, Add	16.62	
For High Strength Low Alloy A572-50 Steel, Add	8.45	
For High Strength Low Alloy A588 Steel, Add	18.77	
For Each Additional Top Copes >2, Add	0.60	
For Structural Tees, WT, MT Or ST, Deduct	-27.76	
For Skewed Or Sloped Connections, Add	11.26	
05 12 23 00-0326 LF W14 x 22 A992/A36 Structural Beam Or Girder	86.87	31.70
For Hot Dip Galvanizing, Add	14.75	
For High Strength Low Alloy A572-50 Steel, Add	7.82	
For High Strength Low Alloy A588 Steel, Add	17.37	
For Each Additional Top Copes >2, Add	0.53	
For Structural Tees, WT, MT Or ST, Deduct	-25.35	
For Skewed Or Sloped Connections, Add	10.42	
05 12 23 00-0327 LF W12 x 87 A992/A36 Structural Beam Or Girder	203.30	35.50
For Hot Dip Galvanizing, Add	45.90	
For High Strength Low Alloy A572-50 Steel, Add	18.30	
For High Strength Low Alloy A588 Steel, Add	40.66	
For Each Additional Top Copes >2, Add	1.65	
For Structural Tees, WT, MT Or ST, Deduct	-65.47	
For Skewed Or Sloped Connections, Add	24.40	
05 12 23 00-0328 LF W12 x 79 A992/A36 Structural Beam Or Girder	188.92	34.99
For Hot Dip Galvanizing, Add	42.05	
For High Strength Low Alloy A572-50 Steel, Add	17.00	
For High Strength Low Alloy A588 Steel, Add	37.78	
For Each Additional Top Copes >2, Add	1.52	
For Structural Tees, WT, MT Or ST, Deduct	-60.51	
For Skewed Or Sloped Connections, Add	22.67	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0329	LF		W12 x 72 A992/A36 Structural Beam Or Girder	176.31	34.61
			For Hot Dip Galvanizing, Add	38.69	
			For High Strength Low Alloy A572-50 Steel, Add	15.87	
			For High Strength Low Alloy A588 Steel, Add	35.26	
			For Each Additional Top Copes >2, Add	1.39	
			For Structural Tees, WT, MT Or ST, Deduct	-56.18	
			For Skewed Or Sloped Connections, Add	21.16	
05 12 23 00-0330	LF		W12 x 65 A992/A36 Structural Beam Or Girder	163.83	34.23
			For Hot Dip Galvanizing, Add	35.33	
			For High Strength Low Alloy A572-50 Steel, Add	14.74	
			For High Strength Low Alloy A588 Steel, Add	32.77	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-51.86	
			For Skewed Or Sloped Connections, Add	19.66	
05 12 23 00-0331	LF		W12 x 58 A992/A36 Structural Beam Or Girder	151.22	33.72
			For Hot Dip Galvanizing, Add	31.97	
			For High Strength Low Alloy A572-50 Steel, Add	13.61	
			For High Strength Low Alloy A588 Steel, Add	30.24	
			For Each Additional Top Copes >2, Add	1.15	
			For Structural Tees, WT, MT Or ST, Deduct	-47.53	
			For Skewed Or Sloped Connections, Add	18.15	
05 12 23 00-0332	LF		W12 x 53 A992/A36 Structural Beam Or Girder	142.45	33.46
			For Hot Dip Galvanizing, Add	29.61	
			For High Strength Low Alloy A572-50 Steel, Add	12.82	
			For High Strength Low Alloy A588 Steel, Add	28.49	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-44.50	
			For Skewed Or Sloped Connections, Add	17.09	
05 12 23 00-0333	LF		W12 x 50 A992/A36 Structural Beam Or Girder	136.84	33.34
			For Hot Dip Galvanizing, Add	28.12	
			For High Strength Low Alloy A572-50 Steel, Add	12.32	
			For High Strength Low Alloy A588 Steel, Add	27.37	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-42.57	
			For Skewed Or Sloped Connections, Add	16.42	
05 12 23 00-0334	LF		W12 x 45 A992/A36 Structural Beam Or Girder	128.05	33.09
			For Hot Dip Galvanizing, Add	25.75	
			For High Strength Low Alloy A572-50 Steel, Add	11.52	
			For High Strength Low Alloy A588 Steel, Add	25.61	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-39.53	
			For Skewed Or Sloped Connections, Add	15.37	
05 12 23 00-0335	LF		W12 x 40 A992/A36 Structural Beam Or Girder	110.33	24.60
			For Hot Dip Galvanizing, Add	23.33	
			For High Strength Low Alloy A572-50 Steel, Add	9.93	
			For High Strength Low Alloy A588 Steel, Add	22.07	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-34.68	
			For Skewed Or Sloped Connections, Add	13.24	
05 12 23 00-0336	LF		W12 x 35 A992/A36 Structural Beam Or Girder	101.55	24.46
			For Hot Dip Galvanizing, Add	20.97	
			For High Strength Low Alloy A572-50 Steel, Add	9.14	
			For High Strength Low Alloy A588 Steel, Add	20.31	
			For Each Additional Top Copes >2, Add	0.76	
			For Structural Tees, WT, MT Or ST, Deduct	-31.64	
			For Skewed Or Sloped Connections, Add	12.19	
05 12 23 00-0337	LF		W12 x 30 A992/A36 Structural Beam Or Girder	92.44	24.09
			For Hot Dip Galvanizing, Add	18.55	
			For High Strength Low Alloy A572-50 Steel, Add	8.32	
			For High Strength Low Alloy A588 Steel, Add	18.49	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-28.51	
			For Skewed Or Sloped Connections, Add	11.09	
05 12 23 00-0338	LF		W12 x 26 A992/A36 Structural Beam Or Girder	85.25	23.83
			For Hot Dip Galvanizing, Add	16.62	
			For High Strength Low Alloy A572-50 Steel, Add	7.67	
			For High Strength Low Alloy A588 Steel, Add	17.05	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-26.03	
			For Skewed Or Sloped Connections, Add	10.23	
05 12 23 00-0339	LF		W12 x 22 A992/A36 Structural Beam Or Girder	78.25	23.58
			For Hot Dip Galvanizing, Add	14.75	
			For High Strength Low Alloy A572-50 Steel, Add	7.04	
			For High Strength Low Alloy A588 Steel, Add	15.65	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-23.62	
			For Skewed Or Sloped Connections, Add	9.39	
05 12 23 00-0340	LF		W12 x 19 A992/A36 Structural Beam Or Girder	72.77	23.46
			For Hot Dip Galvanizing, Add	13.26	
			For High Strength Low Alloy A572-50 Steel, Add	6.55	
			For High Strength Low Alloy A588 Steel, Add	14.55	
			For Each Additional Top Copes >2, Add	0.48	
			For Structural Tees, WT, MT Or ST, Deduct	-21.72	
			For Skewed Or Sloped Connections, Add	8.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0341	LF		W12 x 16 A992/A36 Structural Beam Or Girder	67.36	23.07
			<i>For Hot Dip Galvanizing, Add</i>	11.83	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.06	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.47	
			<i>For Each Additional Top Copes >2, Add</i>	0.43	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.87	
			<i>For Skewed Or Sloped Connections, Add</i>	8.08	
05 12 23 00-0342	LF		W12 x 14 A992/A36 Structural Beam Or Girder	63.87	23.07
			<i>For Hot Dip Galvanizing, Add</i>	10.90	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.75	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.77	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.66	
			<i>For Skewed Or Sloped Connections, Add</i>	7.66	
05 12 23 00-0343	LF		W10 x 68 A992/A36 Structural Beam Or Girder	161.02	26.49
			<i>For Hot Dip Galvanizing, Add</i>	36.87	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.49	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.20	
			<i>For Each Additional Top Copes >2, Add</i>	1.33	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.14	
			<i>For Skewed Or Sloped Connections, Add</i>	19.32	
05 12 23 00-0344	LF		W10 x 60 A992/A36 Structural Beam Or Girder	146.82	25.99
			<i>For Hot Dip Galvanizing, Add</i>	33.08	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.21	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.36	
			<i>For Each Additional Top Copes >2, Add</i>	1.19	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.24	
			<i>For Skewed Or Sloped Connections, Add</i>	17.62	
05 12 23 00-0345	LF		W10 x 54 A992/A36 Structural Beam Or Girder	135.94	25.48
			<i>For Hot Dip Galvanizing, Add</i>	30.16	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.23	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.19	
			<i>For Each Additional Top Copes >2, Add</i>	1.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.49	
			<i>For Skewed Or Sloped Connections, Add</i>	16.31	
05 12 23 00-0346	LF		W10 x 49 A992/A36 Structural Beam Or Girder	127.02	25.23
			<i>For Hot Dip Galvanizing, Add</i>	27.79	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.43	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.40	
			<i>For Each Additional Top Copes >2, Add</i>	1.00	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-40.43	
			<i>For Skewed Or Sloped Connections, Add</i>	15.24	
05 12 23 00-0347	LF		W10 x 45 A992/A36 Structural Beam Or Girder	119.83	25.10
			<i>For Hot Dip Galvanizing, Add</i>	25.87	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.78	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.97	
			<i>For Each Additional Top Copes >2, Add</i>	0.93	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.95	
			<i>For Skewed Or Sloped Connections, Add</i>	14.38	
05 12 23 00-0348	LF		W10 x 39 A992/A36 Structural Beam Or Girder	109.14	24.60
			<i>For Hot Dip Galvanizing, Add</i>	23.00	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.83	
			<i>For Each Additional Top Copes >2, Add</i>	0.83	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.26	
			<i>For Skewed Or Sloped Connections, Add</i>	13.10	
05 12 23 00-0349	LF		W10 x 33 A992/A36 Structural Beam Or Girder	98.45	24.21
			<i>For Hot Dip Galvanizing, Add</i>	20.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.86	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.69	
			<i>For Each Additional Top Copes >2, Add</i>	0.73	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.58	
			<i>For Skewed Or Sloped Connections, Add</i>	11.81	
05 12 23 00-0350	LF		W10 x 30 A992/A36 Structural Beam Or Girder	92.96	24.09
			<i>For Hot Dip Galvanizing, Add</i>	18.66	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.59	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.68	
			<i>For Skewed Or Sloped Connections, Add</i>	11.16	
05 12 23 00-0351	LF		W10 x 26 A992/A36 Structural Beam Or Girder	85.97	23.96
			<i>For Hot Dip Galvanizing, Add</i>	16.79	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.74	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.19	
			<i>For Each Additional Top Copes >2, Add</i>	0.60	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.27	
			<i>For Skewed Or Sloped Connections, Add</i>	10.32	
05 12 23 00-0352	LF		W10 x 22 A992/A36 Structural Beam Or Girder	78.65	23.58
			<i>For Hot Dip Galvanizing, Add</i>	14.86	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.73	
			<i>For Each Additional Top Copes >2, Add</i>	0.54	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.76	
			<i>For Skewed Or Sloped Connections, Add</i>	9.44	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0353	LF		W10 x 19 A992/A36 Structural Beam Or Girder	73.36	23.46
			For Hot Dip Galvanizing, Add	13.43	
			For High Strength Low Alloy A572-50 Steel, Add	6.60	
			For High Strength Low Alloy A588 Steel, Add	14.67	
			For Each Additional Top Copes >2, Add	0.48	
			For Structural Tees, WT, MT Or ST, Deduct	-21.93	
			For Skewed Or Sloped Connections, Add	8.80	
05 12 23 00-0354	LF		W10 x 17 A992/A36 Structural Beam Or Girder	69.67	23.33
			For Hot Dip Galvanizing, Add	12.44	
			For High Strength Low Alloy A572-50 Steel, Add	6.27	
			For High Strength Low Alloy A588 Steel, Add	13.93	
			For Each Additional Top Copes >2, Add	0.45	
			For Structural Tees, WT, MT Or ST, Deduct	-20.66	
			For Skewed Or Sloped Connections, Add	8.36	
05 12 23 00-0355	LF		W10 x 15 A992/A36 Structural Beam Or Girder	66.17	23.07
			For Hot Dip Galvanizing, Add	11.50	
			For High Strength Low Alloy A572-50 Steel, Add	5.96	
			For High Strength Low Alloy A588 Steel, Add	13.23	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-19.45	
			For Skewed Or Sloped Connections, Add	7.94	
05 12 23 00-0356	LF		W10 x 12 A992/A36 Structural Beam Or Girder	60.89	23.07
			For Hot Dip Galvanizing, Add	10.07	
			For High Strength Low Alloy A572-50 Steel, Add	5.48	
			For High Strength Low Alloy A588 Steel, Add	12.18	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-17.62	
			For Skewed Or Sloped Connections, Add	7.31	
05 12 23 00-0357	LF		W8 x 35 A992/A36 Structural Beam Or Girder	101.95	24.46
			For Hot Dip Galvanizing, Add	21.08	
			For High Strength Low Alloy A572-50 Steel, Add	9.18	
			For High Strength Low Alloy A588 Steel, Add	20.39	
			For Each Additional Top Copes >2, Add	0.76	
			For Structural Tees, WT, MT Or ST, Deduct	-31.78	
			For Skewed Or Sloped Connections, Add	12.23	
05 12 23 00-0358	LF		W8 x 31 A992/A36 Structural Beam Or Girder	94.75	24.09
			For Hot Dip Galvanizing, Add	19.15	
			For High Strength Low Alloy A572-50 Steel, Add	8.53	
			For High Strength Low Alloy A588 Steel, Add	18.95	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-29.30	
			For Skewed Or Sloped Connections, Add	11.37	
05 12 23 00-0359	LF		W8 x 28 A992/A36 Structural Beam Or Girder	100.51	22.70
			For Hot Dip Galvanizing, Add	21.17	
			For High Strength Low Alloy A572-50 Steel, Add	9.05	
			For High Strength Low Alloy A588 Steel, Add	20.10	
			For Each Additional Top Copes >2, Add	0.76	
			For Structural Tees, WT, MT Or ST, Deduct	-31.55	
			For Skewed Or Sloped Connections, Add	12.06	
05 12 23 00-0360	LF		W8 x 24 A992/A36 Structural Beam Or Girder	91.45	21.29
			For Hot Dip Galvanizing, Add	19.08	
			For High Strength Low Alloy A572-50 Steel, Add	8.23	
			For High Strength Low Alloy A588 Steel, Add	18.29	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-28.60	
			For Skewed Or Sloped Connections, Add	10.97	
05 12 23 00-0361	LF		W8 x 21 A992/A36 Structural Beam Or Girder	85.07	19.78
			For Hot Dip Galvanizing, Add	17.73	
			For High Strength Low Alloy A572-50 Steel, Add	7.66	
			For High Strength Low Alloy A588 Steel, Add	17.01	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-26.60	
			For Skewed Or Sloped Connections, Add	10.21	
05 12 23 00-0362	LF		W8 x 18 A992/A36 Structural Beam Or Girder	74.06	18.38
			For Hot Dip Galvanizing, Add	15.10	
			For High Strength Low Alloy A572-50 Steel, Add	6.67	
			For High Strength Low Alloy A588 Steel, Add	14.81	
			For Each Additional Top Copes >2, Add	0.54	
			For Structural Tees, WT, MT Or ST, Deduct	-22.97	
			For Skewed Or Sloped Connections, Add	8.89	
05 12 23 00-0363	LF		W8 x 10 A992/A36 Structural Beam Or Girder	38.26	13.19
			For Hot Dip Galvanizing, Add	6.75	
			For High Strength Low Alloy A572-50 Steel, Add	3.44	
			For High Strength Low Alloy A588 Steel, Add	7.65	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-11.30	
			For Skewed Or Sloped Connections, Add	4.59	
05 12 23 00-0364	LF		W6 x 9 A992/A36 Structural Beam Or Girder	35.41	10.78
			For Hot Dip Galvanizing, Add	6.66	
			For High Strength Low Alloy A572-50 Steel, Add	3.19	
			For High Strength Low Alloy A588 Steel, Add	7.08	
			For Each Additional Top Copes >2, Add	0.24	
			For Structural Tees, WT, MT Or ST, Deduct	-10.68	
			For Skewed Or Sloped Connections, Add	4.25	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0365 A992/A36 Structural Steel, M Shapes <small>(05 12 23 00-0147)</small>		
Note: Includes material delivery and erection.		
05 12 23 00-0366 LF M14 x 18 A992/A36 Structural Steel.....	67.76	16.72
For Hot Dip Galvanizing, Add	13.86	
For High Strength Low Alloy A572-50 Steel, Add	6.10	
For High Strength Low Alloy A588 Grade B Steel, Add	13.55	
05 12 23 00-0367 LF M12 x 11.8 A992/A36 Structural Steel.....	48.49	14.78
For Hot Dip Galvanizing, Add	9.09	
For High Strength Low Alloy A572-50 Steel, Add	4.36	
For High Strength Low Alloy A588 Grade B Steel, Add	9.70	
05 12 23 00-0368 LF M10 x 9 A992/A36 Structural Steel.....	37.62	11.86
For Hot Dip Galvanizing, Add	6.93	
For High Strength Low Alloy A572-50 Steel, Add	3.39	
For High Strength Low Alloy A588 Grade B Steel, Add	7.52	
05 12 23 00-0369 LF M8 x 6.5 A992/A36 Structural Steel.....	27.17	8.57
For Hot Dip Galvanizing, Add	5.01	
For High Strength Low Alloy A572-50 Steel, Add	2.45	
For High Strength Low Alloy A588 Grade B Steel, Add	5.43	
05 12 23 00-0370 LF M6 x 20 A992/A36 Structural Steel.....	77.04	20.41
For Hot Dip Galvanizing, Add	15.40	
For High Strength Low Alloy A572-50 Steel, Add	6.93	
For High Strength Low Alloy A588 Grade B Steel, Add	15.41	
05 12 23 00-0371 LF M6 x 4.4 A992/A36 Structural Steel.....	18.38	5.79
For Hot Dip Galvanizing, Add	3.38	
For High Strength Low Alloy A572-50 Steel, Add	1.65	
For High Strength Low Alloy A588 Grade B Steel, Add	3.68	
05 12 23 00-0372 LF M5 x 18.9 A992/A36 Structural Steel.....	74.15	20.41
For Hot Dip Galvanizing, Add	14.53	
For High Strength Low Alloy A572-50 Steel, Add	6.67	
For High Strength Low Alloy A588 Grade B Steel, Add	14.83	
05 12 23 00-0373 LF M4 x 13 A992/A36 Structural Steel.....	60.76	20.03
For Hot Dip Galvanizing, Add	10.95	
For High Strength Low Alloy A572-50 Steel, Add	5.47	
For High Strength Low Alloy A588 Grade B Steel, Add	12.15	

05 12 23 00-0374 A992/A36 Structural Steel, S Shapes <small>(05 12 23 00-0147)</small>		
Note: Includes material delivery and erection.		
05 12 23 00-0375 LF S24 x 121 A992/A36 Structural Steel.....	408.26	84.65
For Hot Dip Galvanizing, Add	88.25	
For High Strength Low Alloy A572-50 Steel, Add	36.74	
For High Strength Low Alloy A588 Grade B Steel, Add	81.65	
05 12 23 00-0376 LF S24 x 106 A992/A36 Structural Steel.....	361.81	78.07
For Hot Dip Galvanizing, Add	77.31	
For High Strength Low Alloy A572-50 Steel, Add	32.56	
For High Strength Low Alloy A588 Grade B Steel, Add	72.36	
05 12 23 00-0377 LF S24 x 100 A992/A36 Structural Steel.....	345.47	77.52
For Hot Dip Galvanizing, Add	72.93	
For High Strength Low Alloy A572-50 Steel, Add	31.09	
For High Strength Low Alloy A588 Grade B Steel, Add	69.09	
05 12 23 00-0378 LF S24 x 90 A992/A36 Structural Steel.....	314.84	73.43
For Hot Dip Galvanizing, Add	65.64	
For High Strength Low Alloy A572-50 Steel, Add	28.34	
For High Strength Low Alloy A588 Grade B Steel, Add	62.97	
05 12 23 00-0379 LF S24 x 80 A992/A36 Structural Steel.....	283.51	68.72
For Hot Dip Galvanizing, Add	58.35	
For High Strength Low Alloy A572-50 Steel, Add	25.52	
For High Strength Low Alloy A588 Grade B Steel, Add	56.70	
05 12 23 00-0380 LF S20 x 96 A992/A36 Structural Steel.....	331.65	74.41
For Hot Dip Galvanizing, Add	70.02	
For High Strength Low Alloy A572-50 Steel, Add	29.85	
For High Strength Low Alloy A588 Grade B Steel, Add	66.33	
05 12 23 00-0381 LF S20 x 86 A992/A36 Structural Steel.....	300.84	70.18
For Hot Dip Galvanizing, Add	62.72	
For High Strength Low Alloy A572-50 Steel, Add	27.08	
For High Strength Low Alloy A588 Grade B Steel, Add	60.17	
05 12 23 00-0382 LF S20 x 75 A992/A36 Structural Steel.....	265.78	64.42
For Hot Dip Galvanizing, Add	54.70	
For High Strength Low Alloy A572-50 Steel, Add	23.92	
For High Strength Low Alloy A588 Grade B Steel, Add	53.16	
05 12 23 00-0383 LF S20 x 66 A992/A36 Structural Steel.....	237.08	59.67
For Hot Dip Galvanizing, Add	48.14	
For High Strength Low Alloy A572-50 Steel, Add	21.34	
For High Strength Low Alloy A588 Grade B Steel, Add	47.42	
05 12 23 00-0384 LF S18 x 70 A992/A36 Structural Steel.....	251.45	63.29
For Hot Dip Galvanizing, Add	51.05	
For High Strength Low Alloy A572-50 Steel, Add	22.63	
For High Strength Low Alloy A588 Grade B Steel, Add	50.29	
05 12 23 00-0385 LF S18 x 54.7 A992/A36 Structural Steel.....	199.27	52.06
For Hot Dip Galvanizing, Add	39.89	
For High Strength Low Alloy A572-50 Steel, Add	17.93	
For High Strength Low Alloy A588 Grade B Steel, Add	39.85	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0386	LF		S15 x 50 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	184.82 36.47 16.63 36.96	50.10
05 12 23 00-0387	LF		S15 x 42.9 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.98 31.29 14.49 32.20	45.24
05 12 23 00-0388	LF		S12 x 50 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	182.14 36.47 16.39 36.43	47.59
05 12 23 00-0389	LF		S12 x 40.8 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	150.80 29.76 13.57 30.16	40.88
05 12 23 00-0390	LF		S12 x 35 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.34 25.53 11.82 26.27	36.91
05 12 23 00-0391	LF		S12 x 31.8 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.22 23.19 10.91 24.24	35.30
05 12 23 00-0392	LF		S10 x 35 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	133.41 25.53 12.01 26.68	38.86
05 12 23 00-0393	LF		S10 x 25.4 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.41 18.53 8.86 19.68	29.68
05 12 23 00-0394	LF		S8 x 23 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.11 16.77 8.02 17.82	26.87
05 12 23 00-0395	LF		S8 x 18.4 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.49 13.42 6.52 14.50	22.63
05 12 23 00-0396	LF		S7 x 20 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.79 14.59 7.09 15.76	24.60
05 12 23 00-0397	LF		S7 x 15.3 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	61.33 11.16 5.52 12.27	19.81
05 12 23 00-0398	LF		S6 x 17.25 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.17 12.58 6.14 13.63	21.40
05 12 23 00-0399	LF		S6 x 12.5 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.35 10.32 5.25 11.67	19.78
05 12 23 00-0400	LF		S5 x 14.75 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.20 11.31 5.60 12.44	20.16
05 12 23 00-0401	LF		S5 x 10 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.68 8.78 4.74 10.54	19.65
05 12 23 00-0402	LF		S4 x 9.5 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.21 8.37 4.61 10.24	19.65
05 12 23 00-0403	LF		S4 x 7.7 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.83 7.47 4.30 9.57	19.65
05 12 23 00-0404	LF		S3 x 7.5 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.50 7.38 4.28 9.50	19.65
05 12 23 00-0405	LF		S3 x 5.7 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.47 6.29 3.91 8.69	19.53

05 12 23 00-0406 A992/A36 Structural Steel, HP Shapes (05 12 23 00-0147)

Note: Includes material delivery and erection.



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

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0407	LF		HP14 x 117 A992/A36 Structural Steel.....	252.60	25.08
			<i>For Hot Dip Galvanizing, Add</i>	62.68	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.52	
05 12 23 00-0408	LF		HP14 x 102 A992/A36 Structural Steel.....	220.98	23.34
			<i>For Hot Dip Galvanizing, Add</i>	54.42	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.89	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.20	
05 12 23 00-0409	LF		HP14 x 89 A992/A36 Structural Steel.....	196.83	21.89
			<i>For Hot Dip Galvanizing, Add</i>	48.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.71	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.37	
05 12 23 00-0410	LF		HP14 x 73 A992/A36 Structural Steel.....	162.85	20.63
			<i>For Hot Dip Galvanizing, Add</i>	39.09	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.66	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.57	
05 12 23 00-0411	LF		HP13 x 100 A992/A36 Structural Steel.....	216.64	22.88
			<i>For Hot Dip Galvanizing, Add</i>	53.35	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.33	
05 12 23 00-0412	LF		HP13 x 87 A992/A36 Structural Steel.....	192.40	21.40
			<i>For Hot Dip Galvanizing, Add</i>	47.06	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.32	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.48	
05 12 23 00-0413	LF		HP13 x 73 A992/A36 Structural Steel.....	162.85	20.63
			<i>For Hot Dip Galvanizing, Add</i>	39.09	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.66	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.57	
05 12 23 00-0414	LF		HP13 x 60 A992/A36 Structural Steel.....	137.88	19.77
			<i>For Hot Dip Galvanizing, Add</i>	32.41	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.41	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.58	
05 12 23 00-0415	LF		HP12 x 84 A992/A36 Structural Steel.....	181.42	22.57
			<i>For Hot Dip Galvanizing, Add</i>	43.67	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.33	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.28	
05 12 23 00-0416	LF		HP12 x 74 A992/A36 Structural Steel.....	160.22	21.29
			<i>For Hot Dip Galvanizing, Add</i>	38.17	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.42	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.04	
05 12 23 00-0417	LF		HP12 x 63 A992/A36 Structural Steel.....	137.88	19.58
			<i>For Hot Dip Galvanizing, Add</i>	32.47	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.41	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.58	
05 12 23 00-0418	LF		HP12 x 53 A992/A36 Structural Steel.....	126.40	18.61
			<i>For Hot Dip Galvanizing, Add</i>	29.57	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.38	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.28	
05 12 23 00-0419	LF		HP10 x 57 A992/A36 Structural Steel.....	133.18	19.09
			<i>For Hot Dip Galvanizing, Add</i>	31.31	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.99	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.64	
05 12 23 00-0420	LF		HP10 x 42 A992/A36 Structural Steel.....	109.66	17.90
			<i>For Hot Dip Galvanizing, Add</i>	25.14	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.87	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.93	
05 12 23 00-0421	LF		HP8 x 36 A992/A36 Structural Steel.....	95.30	16.88
			<i>For Hot Dip Galvanizing, Add</i>	21.45	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.58	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	19.06	
05 12 23 00-0422			Lightweight Framing Steel Shapes <small>(05 12 23)</small>		
			Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0423			Angle Iron - L <small>(05 12 23 00-0422)</small>		
05 12 23 00-0424			1/8" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0425	LF		1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	2.85	1.71
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.37	
			<i>For >1,000, Deduct</i>	-0.50	
			<i>For Galvanized Steel, Add</i>	0.35	
			<i>For 304 Stainless Steel, Add</i>	1.60	
			<i>For High Strength Steel (HSS), Add</i>	0.57	
05 12 23 00-0426	LF		3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	3.30	1.94
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500 To 1,000, Deduct</i>	-0.42	
			<i>For >1,000, Deduct</i>	-0.57	
			<i>For Galvanized Steel, Add</i>	0.44	
			<i>For 304 Stainless Steel, Add</i>	2.02	
			<i>For High Strength Steel (HSS), Add</i>	0.66	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0427	LF		3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	3.73	2.14
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.47	
			<i>For >1,000, Deduct</i>	-0.64	
			<i>For Galvanized Steel, Add</i>	0.55	
			<i>For 304 Stainless Steel, Add</i>	2.51	
			<i>For High Strength Steel (HSS), Add</i>	0.75	
05 12 23 00-0428	LF		1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	4.20	2.38
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000, Deduct</i>	-0.71	
			<i>For Galvanized Steel, Add</i>	0.63	
			<i>For 304 Stainless Steel, Add</i>	2.91	
			<i>For High Strength Steel (HSS), Add</i>	0.84	
05 12 23 00-0429	LF		1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	4.62	2.57
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000, Deduct</i>	-0.78	
			<i>For Galvanized Steel, Add</i>	0.74	
			<i>For 304 Stainless Steel, Add</i>	3.39	
			<i>For High Strength Steel (HSS), Add</i>	0.92	
05 12 23 00-0430	LF		1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron.....	5.53	3.02
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000, Deduct</i>	-0.92	
			<i>For Galvanized Steel, Add</i>	0.93	
			<i>For 304 Stainless Steel, Add</i>	4.28	
			<i>For High Strength Steel (HSS), Add</i>	1.11	
05 12 23 00-0431	LF		1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	5.53	3.02
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000, Deduct</i>	-0.92	
			<i>For Galvanized Steel, Add</i>	0.93	
			<i>For 304 Stainless Steel, Add</i>	4.28	
			<i>For High Strength Steel (HSS), Add</i>	1.11	
05 12 23 00-0432	LF		1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron.....	6.14	3.25
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.74	
			<i>For >1,000, Deduct</i>	-1.00	
			<i>For Galvanized Steel, Add</i>	1.12	
			<i>For 304 Stainless Steel, Add</i>	5.16	
			<i>For High Strength Steel (HSS), Add</i>	1.23	
05 12 23 00-0433	LF		1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron.....	6.62	3.36
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.78	
			<i>For >1,000, Deduct</i>	-1.06	
			<i>For 316 Stainless Steel, Add</i>	6.85	
			<i>For Aluminum, Add</i>	0.39	
			<i>For Galvanized Steel, Add</i>	1.33	
			<i>For 304 Stainless Steel, Add</i>	6.10	
			<i>For High Strength Steel (HSS), Add</i>	1.32	
05 12 23 00-0434	LF		2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron.....	6.62	3.36
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500 To 1,000, Deduct</i>	-0.78	
			<i>For >1,000, Deduct</i>	-1.06	
			<i>For 316 Stainless Steel, Add</i>	6.85	
			<i>For Aluminum, Add</i>	0.39	
			<i>For Galvanized Steel, Add</i>	1.33	
			<i>For 304 Stainless Steel, Add</i>	6.10	
			<i>For High Strength Steel (HSS), Add</i>	1.32	
05 12 23 00-0435	LF		2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	7.09	3.47
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For Galvanized Steel, Add</i>	1.53	
			<i>For 304 Stainless Steel, Add</i>	7.01	
			<i>For High Strength Steel (HSS), Add</i>	1.42	

05 12 23 00-0436 3/16" Thick (05 12 23 00-0423)



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0437 LF 1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.34	2.72
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.85	
For 316 Stainless Steel, Add	5.50	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.07	
For 304 Stainless Steel, Add	4.90	
For High Strength Steel (HSS), Add	1.07	
05 12 23 00-0438 LF 1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.47	3.20
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.75	
For >1,000, Deduct	-1.02	
For Galvanized Steel, Add	1.36	
For 304 Stainless Steel, Add	6.27	
For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0439 LF 1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.47	3.20
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.75	
For >1,000, Deduct	-1.02	
For Galvanized Steel, Add	1.36	
For 304 Stainless Steel, Add	6.27	
For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0440 LF 1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.24	3.43
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.82	
For >1,000, Deduct	-1.11	
For Galvanized Steel, Add	1.66	
For 304 Stainless Steel, Add	7.61	
For High Strength Steel (HSS), Add	1.45	
05 12 23 00-0441 LF 1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	7.89	3.55
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.87	
For >1,000, Deduct	-1.18	
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	9.01	
For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0442 LF 2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.89	3.55
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.87	
For >1,000, Deduct	-1.18	
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	9.01	
For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0443 LF 2" x 2" x 3/16" Thick, Plain Steel Angle Iron	8.52	3.67
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.92	
For >1,000, Deduct	-1.25	
For Galvanized Steel, Add	2.25	
For 304 Stainless Steel, Add	10.35	
For High Strength Steel (HSS), Add	1.70	
05 12 23 00-0444 LF 2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.34	3.93
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-0.99	
For >1,000, Deduct	-1.36	
For Galvanized Steel, Add	2.54	
For 304 Stainless Steel, Add	11.66	
For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0445 LF 2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.20	4.22
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.47	
For Galvanized Steel, Add	2.84	
For 304 Stainless Steel, Add	13.05	
For High Strength Steel (HSS), Add	2.04	
05 12 23 00-0446 LF 3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.19	4.22
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.47	
For Galvanized Steel, Add	2.83	
For 304 Stainless Steel, Add	13.02	
For High Strength Steel (HSS), Add	2.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0447	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.26	4.65
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500 To 1,000, Deduct</i>	-1.18	
			<i>For >1,000, Deduct</i>	-1.62	
			<i>For Galvanized Steel, Add</i>	3.13	
			<i>For 304 Stainless Steel, Add</i>	14.39	
			<i>For High Strength Steel (HSS), Add</i>	2.25	
05 12 23 00-0448	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.32	5.10
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.30	
			<i>For >1,000, Deduct</i>	-1.77	
			<i>For Galvanized Steel, Add</i>	3.42	
			<i>For 304 Stainless Steel, Add</i>	15.73	
			<i>For High Strength Steel (HSS), Add</i>	2.46	
05 12 23 00-0449			1/4" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0450	LF		1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.39	3.14
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500 To 1,000, Deduct</i>	-0.74	
			<i>For >1,000, Deduct</i>	-1.00	
			<i>For 316 Stainless Steel, Add</i>	7.01	
			<i>For Aluminum, Add</i>	0.39	
			<i>For Galvanized Steel, Add</i>	1.36	
			<i>For 304 Stainless Steel, Add</i>	6.24	
			<i>For High Strength Steel (HSS), Add</i>	1.28	
05 12 23 00-0451	LF		1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.34	3.38
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For 316 Stainless Steel, Add</i>	9.06	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.75	
			<i>For 304 Stainless Steel, Add</i>	8.07	
			<i>For High Strength Steel (HSS), Add</i>	1.47	
05 12 23 00-0452	LF		1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.33	3.38
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For Galvanized Steel, Add</i>	1.75	
			<i>For 304 Stainless Steel, Add</i>	8.04	
			<i>For High Strength Steel (HSS), Add</i>	1.47	
05 12 23 00-0453	LF		1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.27	3.61
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.90	
			<i>For >1,000, Deduct</i>	-1.22	
			<i>For Galvanized Steel, Add</i>	2.14	
			<i>For 304 Stainless Steel, Add</i>	9.83	
			<i>For High Strength Steel (HSS), Add</i>	1.65	
05 12 23 00-0454	LF		1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.11	3.73
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.31	
			<i>For 316 Stainless Steel, Add</i>	13.22	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.56	
			<i>For 304 Stainless Steel, Add</i>	11.77	
			<i>For High Strength Steel (HSS), Add</i>	1.82	
05 12 23 00-0455	LF		2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.07	3.50
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.86	
			<i>For >1,000, Deduct</i>	-1.18	
			<i>For 316 Stainless Steel, Add</i>	11.14	
			<i>For Aluminum, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	2.16	
			<i>For 304 Stainless Steel, Add</i>	9.92	
			<i>For High Strength Steel (HSS), Add</i>	1.61	
05 12 23 00-0456	LF		2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.09	3.73
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500 To 1,000, Deduct</i>	-0.95	
			<i>For >1,000, Deduct</i>	-1.30	
			<i>For 316 Stainless Steel, Add</i>	13.15	
			<i>For Aluminum, Add</i>	0.74	
			<i>For Galvanized Steel, Add</i>	2.55	
			<i>For 304 Stainless Steel, Add</i>	11.71	
			<i>For High Strength Steel (HSS), Add</i>	1.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23	00-0457	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	9.88	3.85
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-1.01	
			<i>For >1,000, Deduct</i>	-1.38	
			<i>For Galvanized Steel, Add</i>	2.94	
			<i>For 304 Stainless Steel, Add</i>	13.51	
			<i>For High Strength Steel (HSS), Add</i>	1.98	
05 12 23	00-0458	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.08	4.27
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.54	
			<i>For Galvanized Steel, Add</i>	3.34	
			<i>For 304 Stainless Steel, Add</i>	15.36	
			<i>For High Strength Steel (HSS), Add</i>	2.22	
05 12 23	00-0459	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.33	4.68
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.24	
			<i>For >1,000, Deduct</i>	-1.70	
			<i>For Galvanized Steel, Add</i>	3.78	
			<i>For 304 Stainless Steel, Add</i>	17.36	
			<i>For High Strength Steel (HSS), Add</i>	2.47	
05 12 23	00-0460	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.33	4.68
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500 To 1,000, Deduct</i>	-1.24	
			<i>For >1,000, Deduct</i>	-1.70	
			<i>For Galvanized Steel, Add</i>	3.78	
			<i>For 304 Stainless Steel, Add</i>	17.36	
			<i>For High Strength Steel (HSS), Add</i>	2.47	
05 12 23	00-0461	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.63	5.20
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500 To 1,000, Deduct</i>	-1.37	
			<i>For >1,000, Deduct</i>	-1.89	
			<i>For Galvanized Steel, Add</i>	4.15	
			<i>For 304 Stainless Steel, Add</i>	19.10	
			<i>For High Strength Steel (HSS), Add</i>	2.73	
05 12 23	00-0462	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	14.89	5.71
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.51	
			<i>For >1,000, Deduct</i>	-2.07	
			<i>For Galvanized Steel, Add</i>	4.51	
			<i>For 304 Stainless Steel, Add</i>	20.75	
			<i>For High Strength Steel (HSS), Add</i>	2.98	
05 12 23	00-0463	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.20	6.14
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500 To 1,000, Deduct</i>	-1.63	
			<i>For >1,000, Deduct</i>	-2.24	
			<i>For Galvanized Steel, Add</i>	4.97	
			<i>For 304 Stainless Steel, Add</i>	22.86	
			<i>For High Strength Steel (HSS), Add</i>	3.24	
05 12 23	00-0464	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.17	0.64
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-1.71	
			<i>For >1,000, Deduct</i>	-2.36	
			<i>For Galvanized Steel, Add</i>	5.35	
			<i>For 304 Stainless Steel, Add</i>	24.60	
			<i>For High Strength Steel (HSS), Add</i>	3.43	
05 12 23	00-0465	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.17	6.41
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-1.71	
			<i>For >1,000, Deduct</i>	-2.36	
			<i>For Galvanized Steel, Add</i>	5.35	
			<i>For 304 Stainless Steel, Add</i>	24.60	
			<i>For High Strength Steel (HSS), Add</i>	3.43	
05 12 23	00-0466	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	18.12	6.68
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500 To 1,000, Deduct</i>	-1.80	
			<i>For >1,000, Deduct</i>	-2.47	
			<i>For Galvanized Steel, Add</i>	5.71	
			<i>For 304 Stainless Steel, Add</i>	26.25	
			<i>For High Strength Steel (HSS), Add</i>	3.62	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	19.11	6.97
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.88	
			<i>For >1,000, Deduct</i>	-2.59	
			<i>For Galvanized Steel, Add</i>	6.09	
			<i>For 304 Stainless Steel, Add</i>	28.02	
			<i>For High Strength Steel (HSS), Add</i>	3.82	
05 12 23 00-0468	LF		5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	19.11	6.97
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.88	
			<i>For >1,000, Deduct</i>	-2.59	
			<i>For Galvanized Steel, Add</i>	6.09	
			<i>For 304 Stainless Steel, Add</i>	28.02	
			<i>For High Strength Steel (HSS), Add</i>	3.82	
05 12 23 00-0469	LF		5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	20.18	7.34
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000, Deduct</i>	-2.74	
			<i>For Galvanized Steel, Add</i>	6.44	
			<i>For 304 Stainless Steel, Add</i>	29.61	
			<i>For High Strength Steel (HSS), Add</i>	4.04	
05 12 23 00-0470			5/16" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0471	LF		2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.31	4.97
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500 To 1,000, Deduct</i>	-1.33	
			<i>For >1,000, Deduct</i>	-1.82	
			<i>For Galvanized Steel, Add</i>	4.15	
			<i>For 304 Stainless Steel, Add</i>	19.10	
			<i>For High Strength Steel (HSS), Add</i>	2.66	
05 12 23 00-0472	LF		2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.46	5.26
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500 To 1,000, Deduct</i>	-1.43	
			<i>For >1,000, Deduct</i>	-1.96	
			<i>For Galvanized Steel, Add</i>	4.61	
			<i>For 304 Stainless Steel, Add</i>	21.20	
			<i>For High Strength Steel (HSS), Add</i>	2.89	
05 12 23 00-0473	LF		3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	14.46	5.26
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500 To 1,000, Deduct</i>	-1.43	
			<i>For >1,000, Deduct</i>	-1.96	
			<i>For Galvanized Steel, Add</i>	4.61	
			<i>For 304 Stainless Steel, Add</i>	21.20	
			<i>For High Strength Steel (HSS), Add</i>	2.89	
05 12 23 00-0474	LF		3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.04	5.76
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.57	
			<i>For >1,000, Deduct</i>	-2.17	
			<i>For Galvanized Steel, Add</i>	5.17	
			<i>For 304 Stainless Steel, Add</i>	23.77	
			<i>For High Strength Steel (HSS), Add</i>	3.21	
05 12 23 00-0475	LF		3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	17.44	6.27
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.71	
			<i>For >1,000, Deduct</i>	-2.35	
			<i>For Galvanized Steel, Add</i>	5.63	
			<i>For 304 Stainless Steel, Add</i>	25.88	
			<i>For High Strength Steel (HSS), Add</i>	3.49	
05 12 23 00-0476	LF		3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.62	6.59
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500 To 1,000, Deduct</i>	-1.81	
			<i>For >1,000, Deduct</i>	-2.50	
			<i>For Galvanized Steel, Add</i>	6.09	
			<i>For 304 Stainless Steel, Add</i>	28.02	
			<i>For High Strength Steel (HSS), Add</i>	3.72	
05 12 23 00-0477	LF		3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.90	6.92
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.64	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.47	
			<i>For High Strength Steel (HSS), Add</i>	3.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0478	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.90	6.92
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500 To 1,000, Deduct</i>	-1.92	
			<i>For >1,000, Deduct</i>	-2.64	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.47	
			<i>For High Strength Steel (HSS), Add</i>	3.98	
05 12 23 00-0479	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	21.18	7.31
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500 To 1,000, Deduct</i>	-2.03	
			<i>For >1,000, Deduct</i>	-2.81	
			<i>For Galvanized Steel, Add</i>	7.09	
			<i>For 304 Stainless Steel, Add</i>	32.58	
			<i>For High Strength Steel (HSS), Add</i>	4.24	
05 12 23 00-0480	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron	22.39	7.63
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.95	
			<i>For Galvanized Steel, Add</i>	7.57	
			<i>For 304 Stainless Steel, Add</i>	34.80	
			<i>For High Strength Steel (HSS), Add</i>	4.48	
05 12 23 00-0481	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron	22.39	7.63
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.95	
			<i>For Galvanized Steel, Add</i>	7.57	
			<i>For 304 Stainless Steel, Add</i>	34.80	
			<i>For High Strength Steel (HSS), Add</i>	4.48	
05 12 23 00-0482	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	23.53	7.95
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500 To 1,000, Deduct</i>	-2.24	
			<i>For >1,000, Deduct</i>	-3.09	
			<i>For Galvanized Steel, Add</i>	8.01	
			<i>For 304 Stainless Steel, Add</i>	36.82	
			<i>For High Strength Steel (HSS), Add</i>	4.71	
05 12 23 00-0483	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron	26.38	8.29
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500 To 1,000, Deduct</i>	-2.42	
			<i>For >1,000, Deduct</i>	-3.36	
			<i>For Galvanized Steel, Add</i>	9.50	
			<i>For 304 Stainless Steel, Add</i>	43.69	
			<i>For High Strength Steel (HSS), Add</i>	5.28	
05 12 23 00-0484	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	26.07	8.64
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500 To 1,000, Deduct</i>	-2.46	
			<i>For >1,000, Deduct</i>	-3.40	
			<i>For Galvanized Steel, Add</i>	9.02	
			<i>For 304 Stainless Steel, Add</i>	41.47	
			<i>For High Strength Steel (HSS), Add</i>	5.21	
05 12 23 00-0485			3/8" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0486	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron	16.10	5.50
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500 To 1,000, Deduct</i>	-1.54	
			<i>For >1,000, Deduct</i>	-2.13	
			<i>For Galvanized Steel, Add</i>	5.43	
			<i>For 304 Stainless Steel, Add</i>	24.97	
			<i>For High Strength Steel (HSS), Add</i>	3.22	
05 12 23 00-0487	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	17.78	5.97
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.04	
			<i>For >500 To 1,000, Deduct</i>	-1.68	
			<i>For >1,000, Deduct</i>	-2.33	
			<i>For Galvanized Steel, Add</i>	6.09	
			<i>For 304 Stainless Steel, Add</i>	28.02	
			<i>For High Strength Steel (HSS), Add</i>	3.56	
05 12 23 00-0488	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron	19.25	6.42
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500 To 1,000, Deduct</i>	-1.82	
			<i>For >1,000, Deduct</i>	-2.51	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.47	
			<i>For High Strength Steel (HSS), Add</i>	3.85	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0489	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.56	6.60
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.91	
			<i>For >1,000, Deduct</i>	-2.64	
			<i>For Galvanized Steel, Add</i>	7.29	
			<i>For 304 Stainless Steel, Add</i>	33.52	
			<i>For High Strength Steel (HSS), Add</i>	4.11	
05 12 23 00-0490	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	21.90	6.96
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.02	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For Galvanized Steel, Add</i>	7.82	
			<i>For 304 Stainless Steel, Add</i>	35.97	
			<i>For High Strength Steel (HSS), Add</i>	4.38	
05 12 23 00-0491	LF		4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	21.90	6.96
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-2.02	
			<i>For >1,000, Deduct</i>	-2.80	
			<i>For Galvanized Steel, Add</i>	7.82	
			<i>For 304 Stainless Steel, Add</i>	35.97	
			<i>For High Strength Steel (HSS), Add</i>	4.38	
05 12 23 00-0492	LF		4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.62	7.58
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.19	
			<i>For >1,000, Deduct</i>	-3.04	
			<i>For Galvanized Steel, Add</i>	8.38	
			<i>For 304 Stainless Steel, Add</i>	38.50	
			<i>For High Strength Steel (HSS), Add</i>	4.72	
05 12 23 00-0493	LF		4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	24.96	7.81
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500 To 1,000, Deduct</i>	-2.29	
			<i>For >1,000, Deduct</i>	-3.17	
			<i>For Galvanized Steel, Add</i>	9.02	
			<i>For 304 Stainless Steel, Add</i>	41.47	
			<i>For High Strength Steel (HSS), Add</i>	4.99	
05 12 23 00-0494	LF		5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	25.37	8.12
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500 To 1,000, Deduct</i>	-2.35	
			<i>For >1,000, Deduct</i>	-3.26	
			<i>For Galvanized Steel, Add</i>	9.02	
			<i>For 304 Stainless Steel, Add</i>	41.47	
			<i>For High Strength Steel (HSS), Add</i>	5.07	
05 12 23 00-0495	LF		5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	27.10	8.75
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500 To 1,000, Deduct</i>	-2.52	
			<i>For >1,000, Deduct</i>	-3.49	
			<i>For Galvanized Steel, Add</i>	9.57	
			<i>For 304 Stainless Steel, Add</i>	44.00	
			<i>For High Strength Steel (HSS), Add</i>	5.42	
05 12 23 00-0496	LF		5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	31.90	10.19
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500 To 1,000, Deduct</i>	-2.95	
			<i>For >1,000, Deduct</i>	-4.09	
			<i>For Galvanized Steel, Add</i>	11.35	
			<i>For 304 Stainless Steel, Add</i>	52.18	
			<i>For High Strength Steel (HSS), Add</i>	6.38	
05 12 23 00-0497	LF		6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	30.00	9.48
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500 To 1,000, Deduct</i>	-2.76	
			<i>For >1,000, Deduct</i>	-3.83	
			<i>For Galvanized Steel, Add</i>	10.77	
			<i>For 304 Stainless Steel, Add</i>	49.50	
			<i>For High Strength Steel (HSS), Add</i>	6.00	
05 12 23 00-0498	LF		6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	31.90	10.19
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500 To 1,000, Deduct</i>	-2.95	
			<i>For >1,000, Deduct</i>	-4.09	
			<i>For Galvanized Steel, Add</i>	11.35	
			<i>For 304 Stainless Steel, Add</i>	52.18	
			<i>For High Strength Steel (HSS), Add</i>	6.38	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0499 LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron	38.48	12.24
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.18	
For >500 To 1,000, Deduct	-3.55	
For >1,000, Deduct	-4.92	
For Galvanized Steel, Add	13.75	
For 304 Stainless Steel, Add	63.21	
For High Strength Steel (HSS), Add	7.70	
05 12 23 00-0500 LF 7" x 4" x 3/8" Thick, Plain Steel Angle Iron	35.20	11.21
For >100 To 250, Deduct	-1.12	
For >250 To 500, Deduct	-2.00	
For >500 To 1,000, Deduct	-3.26	
For >1,000, Deduct	-4.51	
For Galvanized Steel, Add	12.55	
For 304 Stainless Steel, Add	57.68	
For High Strength Steel (HSS), Add	7.04	
05 12 23 00-0501 1/2" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0502 LF 3" x 3" x 1/2" Thick, Plain Steel Angle Iron	22.74	6.56
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.80	
For Galvanized Steel, Add	8.67	
For 304 Stainless Steel, Add	39.87	
For High Strength Steel (HSS), Add	4.55	
05 12 23 00-0503 LF 4" x 3" x 1/2" Thick, Plain Steel Angle Iron	26.86	7.75
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.45	
For >500 To 1,000, Deduct	-2.38	
For >1,000, Deduct	-3.31	
For Galvanized Steel, Add	10.25	
For 304 Stainless Steel, Add	47.11	
For High Strength Steel (HSS), Add	5.37	
05 12 23 00-0504 LF 4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	28.79	8.31
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.55	
For >500 To 1,000, Deduct	-2.55	
For >1,000, Deduct	-3.54	
For Galvanized Steel, Add	10.99	
For 304 Stainless Steel, Add	50.50	
For High Strength Steel (HSS), Add	5.76	
05 12 23 00-0505 LF 4" x 4" x 1/2" Thick, Plain Steel Angle Iron	30.97	8.94
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.67	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.81	
For Galvanized Steel, Add	11.82	
For 304 Stainless Steel, Add	54.32	
For High Strength Steel (HSS), Add	6.19	
05 12 23 00-0506 LF 5" x 3" x 1/2" Thick, Plain Steel Angle Iron	30.97	8.94
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.67	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.81	
For Galvanized Steel, Add	11.82	
For 304 Stainless Steel, Add	54.32	
For High Strength Steel (HSS), Add	6.19	
05 12 23 00-0507 LF 5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	32.91	9.50
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-2.91	
For >1,000, Deduct	-4.05	
For Galvanized Steel, Add	12.56	
For 304 Stainless Steel, Add	57.71	
For High Strength Steel (HSS), Add	6.58	
05 12 23 00-0508 LF 5" x 5" x 1/2" Thick, Plain Steel Angle Iron	39.20	11.32
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-3.47	
For >1,000, Deduct	-4.83	
For Galvanized Steel, Add	14.95	
For 304 Stainless Steel, Add	68.74	
For High Strength Steel (HSS), Add	7.84	
05 12 23 00-0509 LF 6" x 4" x 1/2" Thick, Plain Steel Angle Iron	39.20	11.32
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-3.47	
For >1,000, Deduct	-4.83	
For Galvanized Steel, Add	14.95	
For 304 Stainless Steel, Add	68.74	
For High Strength Steel (HSS), Add	7.84	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	47.42	13.68
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-2.55	
			<i>For >500 To 1,000, Deduct</i>	-4.20	
			<i>For >1,000, Deduct</i>	-5.84	
			<i>For Galvanized Steel, Add</i>	18.09	
			<i>For 304 Stainless Steel, Add</i>	83.13	
			<i>For High Strength Steel (HSS), Add</i>	9.48	
05 12 23 00-0511	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	43.30	12.50
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-2.33	
			<i>For >500 To 1,000, Deduct</i>	-3.83	
			<i>For >1,000, Deduct</i>	-5.33	
			<i>For Galvanized Steel, Add</i>	16.52	
			<i>For 304 Stainless Steel, Add</i>	75.92	
			<i>For High Strength Steel (HSS), Add</i>	8.66	
05 12 23 00-0512	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	47.42	13.68
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-2.55	
			<i>For >500 To 1,000, Deduct</i>	-4.20	
			<i>For >1,000, Deduct</i>	-5.84	
			<i>For Galvanized Steel, Add</i>	18.09	
			<i>For 304 Stainless Steel, Add</i>	83.13	
			<i>For High Strength Steel (HSS), Add</i>	9.48	
05 12 23 00-0513	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	55.67	16.06
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-3.00	
			<i>For >500 To 1,000, Deduct</i>	-4.93	
			<i>For >1,000, Deduct</i>	-6.85	
			<i>For Galvanized Steel, Add</i>	21.24	
			<i>For 304 Stainless Steel, Add</i>	97.61	
			<i>For High Strength Steel (HSS), Add</i>	11.13	
05 12 23 00-0514	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	63.88	18.43
			<i>For >100 To 250, Deduct</i>	-1.84	
			<i>For >250 To 500, Deduct</i>	-3.44	
			<i>For >500 To 1,000, Deduct</i>	-5.65	
			<i>For >1,000, Deduct</i>	-7.86	
			<i>For Galvanized Steel, Add</i>	24.37	
			<i>For 304 Stainless Steel, Add</i>	112.01	
			<i>For High Strength Steel (HSS), Add</i>	12.78	
05 12 23 00-0515			5/8" Thick (05 12 23 00-0423)		
05 12 23 00-0516	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	37.03	10.24
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500 To 1,000, Deduct</i>	-3.22	
			<i>For >1,000, Deduct</i>	-4.48	
			<i>For Galvanized Steel, Add</i>	14.49	
			<i>For High Strength Steel (HSS), Add</i>	7.41	
05 12 23 00-0517	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron.....	39.63	10.96
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500 To 1,000, Deduct</i>	-3.44	
			<i>For >1,000, Deduct</i>	-4.80	
			<i>For Galvanized Steel, Add</i>	15.51	
			<i>For High Strength Steel (HSS), Add</i>	7.93	
05 12 23 00-0518	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	47.17	13.05
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500 To 1,000, Deduct</i>	-4.10	
			<i>For >1,000, Deduct</i>	-5.71	
			<i>For Galvanized Steel, Add</i>	18.46	
			<i>For High Strength Steel (HSS), Add</i>	9.43	
05 12 23 00-0519	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	47.17	13.05
			<i>For >100 To 250, Deduct</i>	-1.31	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500 To 1,000, Deduct</i>	-4.10	
			<i>For >1,000, Deduct</i>	-5.71	
			<i>For Galvanized Steel, Add</i>	18.46	
			<i>For High Strength Steel (HSS), Add</i>	9.43	
05 12 23 00-0520	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	57.08	15.80
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-3.01	
			<i>For >500 To 1,000, Deduct</i>	-4.96	
			<i>For >1,000, Deduct</i>	-6.91	
			<i>For Galvanized Steel, Add</i>	22.34	
			<i>For High Strength Steel (HSS), Add</i>	11.42	
05 12 23 00-0521	LF		7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	52.12	14.42
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.74	
			<i>For >500 To 1,000, Deduct</i>	-4.53	
			<i>For >1,000, Deduct</i>	-6.31	
			<i>For Galvanized Steel, Add</i>	20.40	
			<i>For High Strength Steel (HSS), Add</i>	10.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0522 LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron	67.21	18.60
For >100 To 250, Deduct	-1.86	
For >250 To 500, Deduct	-3.54	
For >500 To 1,000, Deduct	-5.84	
For >1,000, Deduct	-8.14	
For Galvanized Steel, Add	26.30	
For High Strength Steel (HSS), Add	13.44	
05 12 23 00-0523 LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron	77.13	21.34
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-4.06	
For >500 To 1,000, Deduct	-6.70	
For >1,000, Deduct	-9.34	
For Galvanized Steel, Add	30.18	
For High Strength Steel (HSS), Add	15.43	
05 12 23 00-0524 3/4" Thick <small>(05 12 23 00-0423)</small>		
05 12 23 00-0525 LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron	42.65	11.33
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.20	
For >500 To 1,000, Deduct	-3.64	
For >1,000, Deduct	-5.09	
For Galvanized Steel, Add	17.08	
For High Strength Steel (HSS), Add	8.53	
05 12 23 00-0526 LF 5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	45.62	12.11
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.90	
For >1,000, Deduct	-5.44	
For Galvanized Steel, Add	18.27	
For High Strength Steel (HSS), Add	9.12	
05 12 23 00-0527 LF 5" x 5" x 3/4" Thick, Plain Steel Angle Iron	54.39	14.44
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.80	
For >500 To 1,000, Deduct	-4.64	
For >1,000, Deduct	-6.49	
For Galvanized Steel, Add	21.79	
For High Strength Steel (HSS), Add	10.88	
05 12 23 00-0528 LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron	54.39	14.44
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.80	
For >500 To 1,000, Deduct	-4.64	
For >1,000, Deduct	-6.49	
For Galvanized Steel, Add	21.79	
For High Strength Steel (HSS), Add	10.88	
05 12 23 00-0529 LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron	66.13	17.55
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-3.41	
For >500 To 1,000, Deduct	-5.65	
For >1,000, Deduct	-7.89	
For Galvanized Steel, Add	26.49	
For High Strength Steel (HSS), Add	13.23	
05 12 23 00-0530 LF 7" x 4" x 3/4" Thick, Plain Steel Angle Iron	60.37	16.03
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-3.11	
For >500 To 1,000, Deduct	-5.16	
For >1,000, Deduct	-7.20	
For Galvanized Steel, Add	24.18	
For High Strength Steel (HSS), Add	12.07	
05 12 23 00-0531 LF 8" x 4" x 3/4" Thick, Plain Steel Angle Iron	66.13	17.55
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-3.41	
For >500 To 1,000, Deduct	-5.65	
For >1,000, Deduct	-7.89	
For Galvanized Steel, Add	26.49	
For High Strength Steel (HSS), Add	13.23	
05 12 23 00-0532 LF 8" x 6" x 3/4" Thick, Plain Steel Angle Iron	77.90	20.67
For >100 To 250, Deduct	-2.07	
For >250 To 500, Deduct	-4.02	
For >500 To 1,000, Deduct	-6.65	
For >1,000, Deduct	-9.29	
For Galvanized Steel, Add	31.20	
For High Strength Steel (HSS), Add	15.58	
05 12 23 00-0533 LF 8" x 8" x 3/4" Thick, Plain Steel Angle Iron	89.64	23.79
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-4.62	
For >500 To 1,000, Deduct	-7.66	
For >1,000, Deduct	-10.69	
For Galvanized Steel, Add	35.90	
For High Strength Steel (HSS), Add	17.93	
05 12 23 00-0534 7/8" Thick <small>(05 12 23 00-0423)</small>		

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0535	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	61.19	15.53
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-3.08	
			<i>For >500 To 1,000, Deduct</i>	-5.13	
			<i>For >1,000, Deduct</i>	-7.18	
			<i>For Galvanized Steel, Add</i>	25.10	
			<i>For High Strength Steel (HSS), Add</i>	12.24	
05 12 23 00-0536	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	61.19	15.53
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-3.08	
			<i>For >500 To 1,000, Deduct</i>	-5.13	
			<i>For >1,000, Deduct</i>	-7.18	
			<i>For Galvanized Steel, Add</i>	25.10	
			<i>For High Strength Steel (HSS), Add</i>	12.24	
05 12 23 00-0537	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	74.48	18.90
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-3.75	
			<i>For >500 To 1,000, Deduct</i>	-6.24	
			<i>For >1,000, Deduct</i>	-8.74	
			<i>For Galvanized Steel, Add</i>	30.55	
			<i>For High Strength Steel (HSS), Add</i>	14.90	
05 12 23 00-0538	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	87.98	22.33
			<i>For >100 To 250, Deduct</i>	-2.23	
			<i>For >250 To 500, Deduct</i>	-4.43	
			<i>For >500 To 1,000, Deduct</i>	-7.38	
			<i>For >1,000, Deduct</i>	-10.32	
			<i>For Galvanized Steel, Add</i>	36.09	
			<i>For High Strength Steel (HSS), Add</i>	17.60	
05 12 23 00-0539	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	101.24	25.69
			<i>For >100 To 250, Deduct</i>	-2.57	
			<i>For >250 To 500, Deduct</i>	-5.10	
			<i>For >500 To 1,000, Deduct</i>	-8.49	
			<i>For >1,000, Deduct</i>	-11.88	
			<i>For Galvanized Steel, Add</i>	41.53	
			<i>For High Strength Steel (HSS), Add</i>	20.25	
05 12 23 00-0540			Bar Channel <small>(05 12 23 00-0422)</small>		
05 12 23 00-0541	LF		1" x 1/2" x 1/8" Thick Bar Channel.....	5.05	
			<i>For 316 Stainless Steel, Add</i>	5.18	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
			<i>For High Strength Steel (HSS), Add</i>	1.01	
05 12 23 00-0542	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.67	
			<i>For 316 Stainless Steel, Add</i>	6.21	
			<i>For Aluminum, Add</i>	0.35	
			<i>For Galvanized Steel, Add</i>	1.20	
			<i>For 304 Stainless Steel, Add</i>	5.53	
			<i>For High Strength Steel (HSS), Add</i>	1.13	
05 12 23 00-0543	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.18	
			<i>For 316 Stainless Steel, Add</i>	6.88	
			<i>For Aluminum, Add</i>	0.39	
			<i>For Galvanized Steel, Add</i>	1.33	
			<i>For 304 Stainless Steel, Add</i>	6.13	
			<i>For High Strength Steel (HSS), Add</i>	1.24	
05 12 23 00-0544	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.06	
			<i>For 316 Stainless Steel, Add</i>	7.17	
			<i>For Aluminum, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.39	
			<i>For 304 Stainless Steel, Add</i>	6.38	
			<i>For High Strength Steel (HSS), Add</i>	1.41	
05 12 23 00-0545	LF		2" x 1/2" x 1/8" Thick Bar Channel.....	7.56	
			<i>For 316 Stainless Steel, Add</i>	8.77	
			<i>For Aluminum, Add</i>	0.49	
			<i>For Galvanized Steel, Add</i>	1.70	
			<i>For 304 Stainless Steel, Add</i>	7.81	
05 12 23 00-0546	LF		2" x 1" x 1/8" Thick Bar Channel.....	9.96	
			<i>For 316 Stainless Steel, Add</i>	9.79	
			<i>For Aluminum, Add</i>	0.55	
			<i>For Galvanized Steel, Add</i>	1.90	
			<i>For 304 Stainless Steel, Add</i>	8.72	
05 12 23 00-0547			Channels - C <small>(05 12 23 00-0422)</small>		
05 12 23 00-0548	LF		C2 x 1.78 - 2" Wide Channel.....	8.27	4.26
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.33	
			<i>For 316 Stainless Steel, Add</i>	8.32	
			<i>For Aluminum, Add</i>	0.47	
			<i>For Galvanized Steel, Add</i>	1.61	
			<i>For 304 Stainless Steel, Add</i>	7.41	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0549 LF C3 x 4.1 - 3" Wide Channel	14.26	6.11
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.53	
For >1,000, Deduct	-2.09	
For 316 Stainless Steel, Add	19.52	
For Aluminum, Add	1.10	
For Galvanized Steel, Add	3.78	
For 304 Stainless Steel, Add	17.39	
05 12 23 00-0550 LF C3 x 5 - 3" Wide Channel	17.39	7.46
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.18	
For >500 To 1,000, Deduct	-1.86	
For >1,000, Deduct	-2.55	
For 316 Stainless Steel, Add	23.81	
For Aluminum, Add	1.34	
For Galvanized Steel, Add	4.61	
For 304 Stainless Steel, Add	21.20	
05 12 23 00-0551 LF C3 x 6 - 3" Wide Channel	20.87	8.95
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.42	
For >500 To 1,000, Deduct	-2.24	
For >1,000, Deduct	-3.06	
For 316 Stainless Steel, Add	28.58	
For Aluminum, Add	1.61	
For Galvanized Steel, Add	5.54	
For 304 Stainless Steel, Add	25.45	
05 12 23 00-0552 LF C4 x 5.4 - 4" Wide Channel	17.83	7.34
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.18	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.56	
For 316 Stainless Steel, Add	25.73	
For Aluminum, Add	1.45	
For Galvanized Steel, Add	4.98	
For 304 Stainless Steel, Add	22.91	
05 12 23 00-0553 LF C4 x 7.25 - 4" Wide Channel	23.93	9.85
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.58	
For >500 To 1,000, Deduct	-2.51	
For >1,000, Deduct	-3.44	
For 316 Stainless Steel, Add	34.53	
For Aluminum, Add	1.94	
For Galvanized Steel, Add	6.69	
For 304 Stainless Steel, Add	30.75	
05 12 23 00-0554 LF C5 x 6.7 - 5" Wide Channel	21.39	8.55
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.39	
For >500 To 1,000, Deduct	-2.21	
For >1,000, Deduct	-3.03	
For 316 Stainless Steel, Add	31.90	
For Aluminum, Add	1.79	
For Galvanized Steel, Add	6.18	
For 304 Stainless Steel, Add	28.41	
05 12 23 00-0555 LF C5 x 9 - 5" Wide Channel	28.73	11.51
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-1.87	
For >500 To 1,000, Deduct	-2.97	
For >1,000, Deduct	-4.07	
For 316 Stainless Steel, Add	42.88	
For Aluminum, Add	2.41	
For Galvanized Steel, Add	8.31	
For 304 Stainless Steel, Add	38.19	
05 12 23 00-0556 LF C6 x 8.2 - 6" Wide Channel	25.91	10.27
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-2.67	
For >1,000, Deduct	-3.66	
For 316 Stainless Steel, Add	39.07	
For Aluminum, Add	2.20	
For Galvanized Steel, Add	7.57	
For 304 Stainless Steel, Add	34.80	
05 12 23 00-0557 LF C6 x 10.5 - 6" Wide Channel	33.17	13.16
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.14	
For >500 To 1,000, Deduct	-3.41	
For >1,000, Deduct	-4.68	
For 316 Stainless Steel, Add	50.02	
For Aluminum, Add	2.81	
For Galvanized Steel, Add	9.69	
For 304 Stainless Steel, Add	44.55	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0558	LF		C6 x 13 - 6" Wide Channel.....	41.08	16.29
			For >100 To 250, Deduct	-1.63	
			For >250 To 500, Deduct	-2.66	
			For >500 To 1,000, Deduct	-4.23	
			For >1,000, Deduct	-5.80	
			For 316 Stainless Steel, Add	61.92	
			For Aluminum, Add	3.48	
			For Galvanized Steel, Add	12.00	
			For 304 Stainless Steel, Add	55.15	
05 12 23 00-0559	LF		C7 x 9.8 - 7" Wide Channel.....	30.90	12.24
			For >100 To 250, Deduct	-1.22	
			For >250 To 500, Deduct	-2.00	
			For >500 To 1,000, Deduct	-3.18	
			For >1,000, Deduct	-4.36	
			For 316 Stainless Steel, Add	46.69	
			For Aluminum, Add	2.63	
			For Galvanized Steel, Add	9.05	
			For 304 Stainless Steel, Add	41.58	
05 12 23 00-0560	LF		C7 x 12.25 - 7" Wide Channel.....	38.62	15.29
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-2.49	
			For >500 To 1,000, Deduct	-3.97	
			For >1,000, Deduct	-5.45	
			For 316 Stainless Steel, Add	58.34	
			For Aluminum, Add	3.28	
			For Galvanized Steel, Add	11.30	
			For 304 Stainless Steel, Add	51.96	
05 12 23 00-0561	LF		C7 x 14.75 - 7" Wide Channel.....	46.50	18.41
			For >100 To 250, Deduct	-1.84	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.78	
			For >1,000, Deduct	-6.56	
			For 316 Stainless Steel, Add	70.24	
			For Aluminum, Add	3.95	
			For Galvanized Steel, Add	13.61	
			For 304 Stainless Steel, Add	62.56	
05 12 23 00-0562	LF		C8 x 11.5 - 8" Wide Channel.....	35.07	13.46
			For >100 To 250, Deduct	-1.35	
			For >250 To 500, Deduct	-2.22	
			For >500 To 1,000, Deduct	-3.55	
			For >1,000, Deduct	-4.87	
			For 316 Stainless Steel, Add	54.78	
			For Aluminum, Add	3.08	
			For Galvanized Steel, Add	10.61	
			For 304 Stainless Steel, Add	48.79	
05 12 23 00-0563	LF		C8 x 13.75 - 8" Wide Channel.....	41.93	16.10
			For >100 To 250, Deduct	-1.61	
			For >250 To 500, Deduct	-2.66	
			For >500 To 1,000, Deduct	-4.24	
			For >1,000, Deduct	-5.83	
			For 316 Stainless Steel, Add	65.50	
			For Aluminum, Add	3.68	
			For Galvanized Steel, Add	12.69	
			For 304 Stainless Steel, Add	58.34	
05 12 23 00-0564	LF		C8 x 18.75 - 8" Wide Channel.....	57.16	21.94
			For >100 To 250, Deduct	-2.19	
			For >250 To 500, Deduct	-3.62	
			For >500 To 1,000, Deduct	-5.78	
			For >1,000, Deduct	-7.94	
			For 316 Stainless Steel, Add	89.31	
			For Aluminum, Add	5.02	
			For Galvanized Steel, Add	17.30	
			For 304 Stainless Steel, Add	79.54	
05 12 23 00-0565	LF		C9 x 13.4 - 9" Wide Channel.....	40.86	15.68
			For >100 To 250, Deduct	-1.57	
			For >250 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.13	
			For >1,000, Deduct	-5.68	
			For 316 Stainless Steel, Add	63.84	
			For Aluminum, Add	3.59	
			For Galvanized Steel, Add	12.37	
			For 304 Stainless Steel, Add	56.86	
05 12 23 00-0566	LF		C9 x 15 - 9" Wide Channel.....	45.73	17.55
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.90	
			For >500 To 1,000, Deduct	-4.63	
			For >1,000, Deduct	-6.35	
			For 316 Stainless Steel, Add	71.46	
			For Aluminum, Add	4.02	
			For Galvanized Steel, Add	13.84	
			For 304 Stainless Steel, Add	63.64	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0567 LF C9 x 20 - 9" Wide Channel	60.99	23.40
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-3.87	
For >500 To 1,000, Deduct	-6.17	
For >1,000, Deduct	-8.48	
For 316 Stainless Steel, Add	95.26	
For Aluminum, Add	5.36	
For Galvanized Steel, Add	18.46	
For 304 Stainless Steel, Add	84.84	
05 12 23 00-0568 LF C10 x 15.3 - 10" Wide Channel	46.64	17.90
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.96	
For >500 To 1,000, Deduct	-4.72	
For >1,000, Deduct	-6.48	
For 316 Stainless Steel, Add	72.86	
For Aluminum, Add	4.10	
For Galvanized Steel, Add	14.12	
For 304 Stainless Steel, Add	64.89	
05 12 23 00-0569 LF C10 x 20 - 10" Wide Channel	60.99	23.40
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-3.87	
For >500 To 1,000, Deduct	-6.17	
For >1,000, Deduct	-8.48	
For 316 Stainless Steel, Add	95.26	
For Aluminum, Add	5.36	
For Galvanized Steel, Add	18.46	
For 304 Stainless Steel, Add	84.84	
05 12 23 00-0570 LF C10 x 25 - 10" Wide Channel	76.22	29.25
For >100 To 250, Deduct	-2.93	
For >250 To 500, Deduct	-4.83	
For >500 To 1,000, Deduct	-7.71	
For >1,000, Deduct	-10.59	
For 316 Stainless Steel, Add	119.07	
For Aluminum, Add	6.70	
For Galvanized Steel, Add	23.07	
For 304 Stainless Steel, Add	106.05	
05 12 23 00-0571 LF C10 x 30 - 10" Wide Channel	91.46	35.11
For >100 To 250, Deduct	-3.51	
For >250 To 500, Deduct	-5.80	
For >500 To 1,000, Deduct	-9.25	
For >1,000, Deduct	-12.71	
For 316 Stainless Steel, Add	142.88	
For Aluminum, Add	8.04	
For Galvanized Steel, Add	27.68	
For 304 Stainless Steel, Add	127.25	
05 12 23 00-0572 LF C12 x 20.7 - 12" Wide Channel	63.11	24.23
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-4.00	
For >500 To 1,000, Deduct	-6.39	
For >1,000, Deduct	-8.77	
For 316 Stainless Steel, Add	98.59	
For Aluminum, Add	5.55	
For Galvanized Steel, Add	19.10	
For 304 Stainless Steel, Add	87.81	
05 12 23 00-0573 LF C12 x 25 - 12" Wide Channel	76.22	29.25
For >100 To 250, Deduct	-2.93	
For >250 To 500, Deduct	-4.83	
For >500 To 1,000, Deduct	-7.71	
For >1,000, Deduct	-10.59	
For 316 Stainless Steel, Add	119.07	
For Aluminum, Add	6.70	
For Galvanized Steel, Add	23.07	
For 304 Stainless Steel, Add	106.05	
05 12 23 00-0574 LF C12 x 30 - 12" Wide Channel	91.46	35.11
For >100 To 250, Deduct	-3.51	
For >250 To 500, Deduct	-5.80	
For >500 To 1,000, Deduct	-9.25	
For >1,000, Deduct	-12.71	
For 316 Stainless Steel, Add	142.88	
For Aluminum, Add	8.04	
For Galvanized Steel, Add	27.68	
For 304 Stainless Steel, Add	127.25	
05 12 23 00-0575 LF C15 x 33.9 - 15" Wide Channel	103.36	39.67
For >100 To 250, Deduct	-3.97	
For >250 To 500, Deduct	-6.55	
For >500 To 1,000, Deduct	-10.46	
For >1,000, Deduct	-14.36	
For 316 Stainless Steel, Add	161.47	
For Aluminum, Add	9.08	
For Galvanized Steel, Add	31.29	
For 304 Stainless Steel, Add	143.81	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0576 LF C15 x 40 - 15" Wide Channel.....	121.95	46.81
For>100 To 250, Deduct	-4.68	
For>250 To 500, Deduct	-7.73	
For>500 To 1,000, Deduct	-12.34	
For>1,000, Deduct	-16.95	
For 316 Stainless Steel, Add	190.53	
For Aluminum, Add	10.72	
For Galvanized Steel, Add	36.91	
For 304 Stainless Steel, Add	169.69	
05 12 23 00-0577 LF C15 x 50 - 15" Wide Channel.....	152.43	58.51
For>100 To 250, Deduct	-5.85	
For>250 To 500, Deduct	-9.66	
For>500 To 1,000, Deduct	-15.42	
For>1,000, Deduct	-21.18	
For 316 Stainless Steel, Add	238.14	
For Aluminum, Add	13.40	
For Galvanized Steel, Add	46.14	
For 304 Stainless Steel, Add	212.10	
05 12 23 00-0578 Miscellaneous Channels - MC <small>(05 12 23 00-0422)</small>		
05 12 23 00-0579 LF MC6 x 12 - 6" Wide Channel.....	37.91	15.04
For>100 To 250, Deduct	-1.50	
For>250 To 500, Deduct	-2.45	
For>500 To 1,000, Deduct	-3.90	
For>1,000, Deduct	-5.35	
For 316 Stainless Steel, Add	57.15	
For Aluminum, Add	3.21	
For Galvanized Steel, Add	11.07	
For 304 Stainless Steel, Add	50.90	
05 12 23 00-0580 LF MC6 x 15.1 - 6" Wide Channel.....	47.71	18.92
For>100 To 250, Deduct	-1.89	
For>250 To 500, Deduct	-3.09	
For>500 To 1,000, Deduct	-4.91	
For>1,000, Deduct	-6.73	
For 316 Stainless Steel, Add	71.94	
For Aluminum, Add	4.05	
For Galvanized Steel, Add	13.94	
For 304 Stainless Steel, Add	64.07	
05 12 23 00-0581 LF MC6 x 15.3 - 6" Wide Channel.....	48.33	19.17
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-3.13	
For>500 To 1,000, Deduct	-4.97	
For>1,000, Deduct	-6.82	
For 316 Stainless Steel, Add	72.86	
For Aluminum, Add	4.10	
For Galvanized Steel, Add	14.12	
For 304 Stainless Steel, Add	64.89	
05 12 23 00-0582 LF MC6 x 16.3 - 6" Wide Channel.....	51.50	20.43
For>100 To 250, Deduct	-2.04	
For>250 To 500, Deduct	-3.33	
For>500 To 1,000, Deduct	-5.30	
For>1,000, Deduct	-7.27	
For 316 Stainless Steel, Add	77.63	
For Aluminum, Add	4.37	
For Galvanized Steel, Add	15.04	
For 304 Stainless Steel, Add	69.14	
05 12 23 00-0583 LF MC6 x 18 - 6" Wide Channel.....	56.87	22.55
For>100 To 250, Deduct	-2.26	
For>250 To 500, Deduct	-3.68	
For>500 To 1,000, Deduct	-5.85	
For>1,000, Deduct	-8.03	
For 316 Stainless Steel, Add	85.73	
For Aluminum, Add	4.82	
For Galvanized Steel, Add	16.61	
For 304 Stainless Steel, Add	76.35	
05 12 23 00-0584 LF MC7 x 17.6 - 7" Wide Channel.....	55.49	21.97
For>100 To 250, Deduct	-2.20	
For>250 To 500, Deduct	-3.58	
For>500 To 1,000, Deduct	-5.70	
For>1,000, Deduct	-7.82	
For 316 Stainless Steel, Add	83.84	
For Aluminum, Add	4.72	
For Galvanized Steel, Add	16.24	
For 304 Stainless Steel, Add	74.67	
05 12 23 00-0585 LF MC7 x 19.1 - 7" Wide Channel.....	60.23	23.84
For>100 To 250, Deduct	-2.39	
For>250 To 500, Deduct	-3.89	
For>500 To 1,000, Deduct	-6.19	
For>1,000, Deduct	-8.49	
For 316 Stainless Steel, Add	90.98	
For Aluminum, Add	5.12	
For Galvanized Steel, Add	17.63	
For 304 Stainless Steel, Add	81.03	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0586 LF MC7 x 22.7 - 7" Wide Channel	71.58	28.34
For >100 To 250, Deduct	-2.83	
For >250 To 500, Deduct	-4.62	
For >500 To 1,000, Deduct	-7.36	
For >1,000, Deduct	-10.09	
For 316 Stainless Steel, Add	108.13	
For Aluminum, Add	6.08	
For Galvanized Steel, Add	20.95	
For 304 Stainless Steel, Add	96.30	
05 12 23 00-0587 LF MC8 x 8.5 - 8" Wide Channel	25.92	9.95
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-2.62	
For >1,000, Deduct	-3.60	
For 316 Stainless Steel, Add	40.48	
For Aluminum, Add	2.28	
For Galvanized Steel, Add	7.84	
For 304 Stainless Steel, Add	36.05	
05 12 23 00-0588 LF MC8 x 18.7 - 8" Wide Channel	57.00	21.88
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-3.61	
For >500 To 1,000, Deduct	-5.77	
For >1,000, Deduct	-7.92	
For 316 Stainless Steel, Add	89.06	
For Aluminum, Add	5.01	
For Galvanized Steel, Add	17.25	
For 304 Stainless Steel, Add	79.32	
05 12 23 00-0589 LF MC8 x 20 - 8" Wide Channel	60.99	23.40
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-3.87	
For >500 To 1,000, Deduct	-6.17	
For >1,000, Deduct	-8.48	
For 316 Stainless Steel, Add	95.26	
For Aluminum, Add	5.36	
For Galvanized Steel, Add	18.46	
For 304 Stainless Steel, Add	84.84	
05 12 23 00-0590 LF MC8 x 21.4 - 8" Wide Channel	65.25	25.05
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-4.14	
For >500 To 1,000, Deduct	-6.60	
For >1,000, Deduct	-9.07	
For 316 Stainless Steel, Add	101.92	
For Aluminum, Add	5.73	
For Galvanized Steel, Add	19.75	
For 304 Stainless Steel, Add	90.77	
05 12 23 00-0591 LF MC8 x 22.8 - 8" Wide Channel	69.51	26.69
For >100 To 250, Deduct	-2.67	
For >250 To 500, Deduct	-4.41	
For >500 To 1,000, Deduct	-7.03	
For >1,000, Deduct	-9.66	
For 316 Stainless Steel, Add	108.61	
For Aluminum, Add	6.11	
For Galvanized Steel, Add	21.04	
For 304 Stainless Steel, Add	96.73	
05 12 23 00-0592 LF MC9 x 23.9 - 9" Wide Channel	72.86	27.97
For >100 To 250, Deduct	-2.80	
For >250 To 500, Deduct	-4.62	
For >500 To 1,000, Deduct	-7.37	
For >1,000, Deduct	-10.13	
For 316 Stainless Steel, Add	113.82	
For Aluminum, Add	6.40	
For Galvanized Steel, Add	22.05	
For 304 Stainless Steel, Add	101.37	
05 12 23 00-0593 LF MC9 x 25.4 - 9" Wide Channel	77.44	29.72
For >100 To 250, Deduct	-2.97	
For >250 To 500, Deduct	-4.91	
For >500 To 1,000, Deduct	-7.84	
For >1,000, Deduct	-10.76	
For 316 Stainless Steel, Add	120.99	
For Aluminum, Add	6.81	
For Galvanized Steel, Add	23.44	
For 304 Stainless Steel, Add	107.76	
05 12 23 00-0594 LF MC10 x 6.5 - 10" Wide Channel	19.81	7.60
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.26	
For >500 To 1,000, Deduct	-2.00	
For >1,000, Deduct	-2.75	
For 316 Stainless Steel, Add	30.94	
For Aluminum, Add	1.74	
For Galvanized Steel, Add	6.00	
For 304 Stainless Steel, Add	27.56	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0595	LF		MC10 x 8.4 - 10" Wide Channel.....	25.61	9.83
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500 To 1,000, Deduct</i>	-2.59	
			<i>For >1,000, Deduct</i>	-3.56	
			<i>For 316 Stainless Steel, Add</i>	40.00	
			<i>For Aluminum, Add</i>	2.25	
			<i>For Galvanized Steel, Add</i>	7.75	
			<i>For 304 Stainless Steel, Add</i>	35.63	
05 12 23 00-0596	LF		MC10 x 21.9 - 10" Wide Channel.....	66.77	25.63
			<i>For >100 To 250, Deduct</i>	-2.56	
			<i>For >250 To 500, Deduct</i>	-4.23	
			<i>For >500 To 1,000, Deduct</i>	-6.76	
			<i>For >1,000, Deduct</i>	-9.28	
			<i>For 316 Stainless Steel, Add</i>	104.32	
			<i>For Aluminum, Add</i>	5.87	
			<i>For Galvanized Steel, Add</i>	20.21	
			<i>For 304 Stainless Steel, Add</i>	92.91	
05 12 23 00-0597	LF		MC10 x 24.9 - 10" Wide Channel.....	75.92	29.14
			<i>For >100 To 250, Deduct</i>	-2.91	
			<i>For >250 To 500, Deduct</i>	-4.81	
			<i>For >500 To 1,000, Deduct</i>	-7.68	
			<i>For >1,000, Deduct</i>	-10.55	
			<i>For 316 Stainless Steel, Add</i>	118.59	
			<i>For Aluminum, Add</i>	6.67	
			<i>For Galvanized Steel, Add</i>	22.98	
			<i>For 304 Stainless Steel, Add</i>	105.62	
05 12 23 00-0598	LF		MC10 x 25.3 - 10" Wide Channel.....	77.14	29.61
			<i>For >100 To 250, Deduct</i>	-2.96	
			<i>For >250 To 500, Deduct</i>	-4.89	
			<i>For >500 To 1,000, Deduct</i>	-7.81	
			<i>For >1,000, Deduct</i>	-10.72	
			<i>For 316 Stainless Steel, Add</i>	120.51	
			<i>For Aluminum, Add</i>	6.78	
			<i>For Galvanized Steel, Add</i>	23.35	
			<i>For 304 Stainless Steel, Add</i>	107.33	
05 12 23 00-0599	LF		MC10 x 28.3 - 10" Wide Channel.....	86.28	33.12
			<i>For >100 To 250, Deduct</i>	-3.31	
			<i>For >250 To 500, Deduct</i>	-5.47	
			<i>For >500 To 1,000, Deduct</i>	-8.73	
			<i>For >1,000, Deduct</i>	-11.99	
			<i>For 316 Stainless Steel, Add</i>	134.78	
			<i>For Aluminum, Add</i>	7.58	
			<i>For Galvanized Steel, Add</i>	26.11	
			<i>For 304 Stainless Steel, Add</i>	120.04	
05 12 23 00-0600	LF		MC10 x 28.5 - 10" Wide Channel.....	86.89	33.35
			<i>For >100 To 250, Deduct</i>	-3.34	
			<i>For >250 To 500, Deduct</i>	-5.51	
			<i>For >500 To 1,000, Deduct</i>	-8.79	
			<i>For >1,000, Deduct</i>	-12.08	
			<i>For 316 Stainless Steel, Add</i>	135.74	
			<i>For Aluminum, Add</i>	7.64	
			<i>For Galvanized Steel, Add</i>	26.30	
			<i>For 304 Stainless Steel, Add</i>	120.90	
05 12 23 00-0601	LF		MC10 x 33.6 - 10" Wide Channel.....	102.44	39.33
			<i>For >100 To 250, Deduct</i>	-3.93	
			<i>For >250 To 500, Deduct</i>	-6.49	
			<i>For >500 To 1,000, Deduct</i>	-10.37	
			<i>For >1,000, Deduct</i>	-14.24	
			<i>For 316 Stainless Steel, Add</i>	160.03	
			<i>For Aluminum, Add</i>	9.00	
			<i>For Galvanized Steel, Add</i>	31.01	
			<i>For 304 Stainless Steel, Add</i>	142.53	
05 12 23 00-0602	LF		MC10 x 41.1 - 10" Wide Channel.....	125.31	48.10
			<i>For >100 To 250, Deduct</i>	-4.81	
			<i>For >250 To 500, Deduct</i>	-7.94	
			<i>For >500 To 1,000, Deduct</i>	-12.68	
			<i>For >1,000, Deduct</i>	-17.41	
			<i>For 316 Stainless Steel, Add</i>	195.78	
			<i>For Aluminum, Add</i>	11.01	
			<i>For Galvanized Steel, Add</i>	37.93	
			<i>For 304 Stainless Steel, Add</i>	174.36	
05 12 23 00-0603	LF		MC12 x 30.9 - 12" Wide Channel.....	94.21	36.16
			<i>For >100 To 250, Deduct</i>	-3.62	
			<i>For >250 To 500, Deduct</i>	-5.97	
			<i>For >500 To 1,000, Deduct</i>	-9.53	
			<i>For >1,000, Deduct</i>	-13.09	
			<i>For 316 Stainless Steel, Add</i>	147.17	
			<i>For Aluminum, Add</i>	8.28	
			<i>For Galvanized Steel, Add</i>	28.51	
			<i>For 304 Stainless Steel, Add</i>	131.07	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0604 LF MC12 x 32.9 - 12" Wide Channel	100.31	38.50
For >100 To 250, Deduct	-3.85	
For >250 To 500, Deduct	-6.36	
For >500 To 1,000, Deduct	-10.15	
For >1,000, Deduct	-13.94	
For 316 Stainless Steel, Add	156.70	
For Aluminum, Add	8.81	
For Galvanized Steel, Add	30.36	
For 304 Stainless Steel, Add	139.56	
05 12 23 00-0605 LF MC12 x 35 - 12" Wide Channel	106.72	40.95
For >100 To 250, Deduct	-4.10	
For >250 To 500, Deduct	-6.76	
For >500 To 1,000, Deduct	-10.80	
For >1,000, Deduct	-14.83	
For 316 Stainless Steel, Add	166.72	
For Aluminum, Add	9.38	
For Galvanized Steel, Add	32.30	
For 304 Stainless Steel, Add	148.49	
05 12 23 00-0606 LF MC12 x 37 - 12" Wide Channel	112.81	43.30
For >100 To 250, Deduct	-4.33	
For >250 To 500, Deduct	-7.15	
For >500 To 1,000, Deduct	-11.41	
For >1,000, Deduct	-15.68	
For 316 Stainless Steel, Add	176.22	
For Aluminum, Add	9.91	
For Galvanized Steel, Add	34.14	
For 304 Stainless Steel, Add	156.95	
05 12 23 00-0607 LF MC12 x 40 - 12" Wide Channel	121.95	46.81
For >100 To 250, Deduct	-4.68	
For >250 To 500, Deduct	-7.73	
For >500 To 1,000, Deduct	-12.34	
For >1,000, Deduct	-16.95	
For 316 Stainless Steel, Add	190.53	
For Aluminum, Add	10.72	
For Galvanized Steel, Add	36.91	
For 304 Stainless Steel, Add	169.69	
05 12 23 00-0608 LF MC12 x 45 - 12" Wide Channel	137.20	52.66
For >100 To 250, Deduct	-5.27	
For >250 To 500, Deduct	-8.70	
For >500 To 1,000, Deduct	-13.88	
For >1,000, Deduct	-19.07	
For 316 Stainless Steel, Add	214.34	
For Aluminum, Add	12.06	
For Galvanized Steel, Add	41.53	
For 304 Stainless Steel, Add	190.89	
05 12 23 00-0609 LF MC12 x 50 - 12" Wide Channel	152.43	58.52
For >100 To 250, Deduct	-5.85	
For >250 To 500, Deduct	-9.66	
For >500 To 1,000, Deduct	-15.42	
For >1,000, Deduct	-21.18	
For 316 Stainless Steel, Add	238.14	
For Aluminum, Add	13.40	
For Galvanized Steel, Add	46.14	
For 304 Stainless Steel, Add	212.10	
05 12 23 00-0610 LF MC13 x 31.8 - 13" Wide Channel	96.95	37.21
For >100 To 250, Deduct	-3.72	
For >250 To 500, Deduct	-6.15	
For >500 To 1,000, Deduct	-9.81	
For >1,000, Deduct	-13.47	
For 316 Stainless Steel, Add	151.46	
For Aluminum, Add	8.52	
For Galvanized Steel, Add	29.34	
For 304 Stainless Steel, Add	134.89	
05 12 23 00-0611 LF MC13 x 35 - 13" Wide Channel	106.72	40.95
For >100 To 250, Deduct	-4.10	
For >250 To 500, Deduct	-6.76	
For >500 To 1,000, Deduct	-10.80	
For >1,000, Deduct	-14.83	
For 316 Stainless Steel, Add	166.72	
For Aluminum, Add	9.38	
For Galvanized Steel, Add	32.30	
For 304 Stainless Steel, Add	148.49	
05 12 23 00-0612 LF MC13 x 40 - 13" Wide Channel	121.95	46.81
For >100 To 250, Deduct	-4.68	
For >250 To 500, Deduct	-7.73	
For >500 To 1,000, Deduct	-12.34	
For >1,000, Deduct	-16.95	
For 316 Stainless Steel, Add	190.53	
For Aluminum, Add	10.72	
For Galvanized Steel, Add	36.91	
For 304 Stainless Steel, Add	169.69	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0613	LF		MC13 x 50 - 13" Wide Channel.....	152.43	58.52
			<i>For >100 To 250, Deduct</i>	-5.85	
			<i>For >250 To 500, Deduct</i>	-9.66	
			<i>For >500 To 1,000, Deduct</i>	-15.42	
			<i>For >1,000, Deduct</i>	-21.18	
			<i>For 316 Stainless Steel, Add</i>	238.14	
			<i>For Aluminum, Add</i>	13.40	
			<i>For Galvanized Steel, Add</i>	46.14	
			<i>For 304 Stainless Steel, Add</i>	212.10	
05 12 23 00-0614	LF		MC18 x 42.7 - 18" Wide Channel.....	130.19	49.97
			<i>For >100 To 250, Deduct</i>	-5.00	
			<i>For >250 To 500, Deduct</i>	-8.25	
			<i>For >500 To 1,000, Deduct</i>	-13.17	
			<i>For >1,000, Deduct</i>	-18.09	
			<i>For 316 Stainless Steel, Add</i>	203.39	
			<i>For Aluminum, Add</i>	11.44	
			<i>For Galvanized Steel, Add</i>	39.41	
			<i>For 304 Stainless Steel, Add</i>	181.15	
05 12 23 00-0615	LF		MC18 x 45.8 - 18" Wide Channel.....	139.63	53.60
			<i>For >100 To 250, Deduct</i>	-5.36	
			<i>For >250 To 500, Deduct</i>	-8.85	
			<i>For >500 To 1,000, Deduct</i>	-14.13	
			<i>For >1,000, Deduct</i>	-19.40	
			<i>For 316 Stainless Steel, Add</i>	218.14	
			<i>For Aluminum, Add</i>	12.27	
			<i>For Galvanized Steel, Add</i>	42.27	
			<i>For 304 Stainless Steel, Add</i>	194.28	
05 12 23 00-0616	LF		MC18 x 51.9 - 18" Wide Channel.....	158.24	60.73
			<i>For >100 To 250, Deduct</i>	-6.07	
			<i>For >250 To 500, Deduct</i>	-10.03	
			<i>For >500 To 1,000, Deduct</i>	-16.01	
			<i>For >1,000, Deduct</i>	-21.99	
			<i>For 316 Stainless Steel, Add</i>	247.20	
			<i>For Aluminum, Add</i>	13.91	
			<i>For Galvanized Steel, Add</i>	47.90	
			<i>For 304 Stainless Steel, Add</i>	220.16	
05 12 23 00-0617	LF		MC18 x 58 - 18" Wide Channel.....	176.83	67.87
			<i>For >100 To 250, Deduct</i>	-6.79	
			<i>For >250 To 500, Deduct</i>	-11.21	
			<i>For >500 To 1,000, Deduct</i>	-17.89	
			<i>For >1,000, Deduct</i>	-24.57	
			<i>For 316 Stainless Steel, Add</i>	276.26	
			<i>For Aluminum, Add</i>	15.54	
			<i>For Galvanized Steel, Add</i>	53.52	
			<i>For 304 Stainless Steel, Add</i>	246.04	
05 12 23 00-0618			Structural Bar Tees (05 12 23 00-0422)		
05 12 23 00-0619	LF		3/4" x 3/4" x 1/8" Structural Bar Tee	5.35	3.11
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000, Deduct</i>	-0.92	
			<i>For 316 Stainless Steel, Add</i>	3.84	
			<i>For Aluminum, Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.74	
			<i>For 304 Stainless Steel, Add</i>	3.42	
05 12 23 00-0620	LF		1" x 1" x 1/8" Structural Bar Tee	6.54	3.67
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.10	
			<i>For 316 Stainless Steel, Add</i>	5.28	
			<i>For Aluminum, Add</i>	0.30	
			<i>For Galvanized Steel, Add</i>	1.02	
			<i>For 304 Stainless Steel, Add</i>	4.70	
05 12 23 00-0621	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.37	4.24
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000, Deduct</i>	-1.48	
			<i>For 316 Stainless Steel, Add</i>	15.10	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.93	
			<i>For 304 Stainless Steel, Add</i>	13.45	
05 12 23 00-0622	LF		2" x 2" x 1/4" Structural Bar Tee	14.42	5.54
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500 To 1,000, Deduct</i>	-1.46	
			<i>For >1,000, Deduct</i>	-2.01	
			<i>For 316 Stainless Steel, Add</i>	22.50	
			<i>For Aluminum, Add</i>	1.27	
			<i>For Galvanized Steel, Add</i>	4.36	
			<i>For 304 Stainless Steel, Add</i>	20.04	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0623 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	21.54	6.68
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.21	
For >500 To 1,000, Deduct	-1.97	
For >1,000, Deduct	-2.73	
For 316 Stainless Steel, Add	40.38	
For Aluminum, Add	2.27	
For Galvanized Steel, Add	7.82	
For 304 Stainless Steel, Add	35.97	
05 12 23 00-0624 LF 3" x 3" x 3/8" Structural Bar Tee	26.57	8.56
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.52	
For >500 To 1,000, Deduct	-2.47	
For >1,000, Deduct	-3.42	
For 316 Stainless Steel, Add	48.48	
For Aluminum, Add	2.73	
For Galvanized Steel, Add	9.39	
For 304 Stainless Steel, Add	43.18	
05 12 23 00-0625 Structural Zees (05 12 23 00-0422)		
05 12 23 00-0626 LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	12.69	4.24
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.20	
For >1,000, Deduct	-1.66	
For 316 Stainless Steel, Add	22.53	
For Aluminum, Add	1.27	
For Galvanized Steel, Add	4.36	
For 304 Stainless Steel, Add	20.06	
05 12 23 00-0627 LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	23.58	5.06
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.85	
For >1,000, Deduct	-2.61	
For 316 Stainless Steel, Add	53.89	
For Aluminum, Add	3.03	
For Galvanized Steel, Add	10.44	
For 304 Stainless Steel, Add	47.99	
05 12 23 00-0628 LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	28.22	5.71
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.28	
For >500 To 1,000, Deduct	-2.17	
For >1,000, Deduct	-3.07	
For 316 Stainless Steel, Add	65.95	
For Aluminum, Add	3.71	
For Galvanized Steel, Add	12.78	
For 304 Stainless Steel, Add	58.74	
05 12 23 00-0629 LF 3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	37.85	6.52
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.60	
For >500 To 1,000, Deduct	-2.76	
For >1,000, Deduct	-3.93	
For 316 Stainless Steel, Add	93.28	
For Aluminum, Add	5.25	
For Galvanized Steel, Add	18.07	
For 304 Stainless Steel, Add	83.08	
05 12 23 00-0630 LF 3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	48.92	7.10
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.93	
For >500 To 1,000, Deduct	-3.39	
For >1,000, Deduct	-4.85	
For 316 Stainless Steel, Add	126.27	
For Aluminum, Add	7.10	
For Galvanized Steel, Add	24.47	
For 304 Stainless Steel, Add	112.46	
05 12 23 00-0631 Junior I-Beams (05 12 23 00-0422)		
05 12 23 00-0632 LF 3" Junior I-Beam, 2.9 LB/LF.....	17.44	6.12
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-1.69	
For >1,000, Deduct	-2.33	
For 316 Stainless Steel, Add	29.70	
For Aluminum, Add	1.67	
For Galvanized Steel, Add	5.75	
For 304 Stainless Steel, Add	26.45	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0633	LF		4" Junior I-Beam, 3.2 LB/LF.....	19.16	6.68
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500 To 1,000, Deduct</i>	-1.85	
			<i>For >1,000, Deduct</i>	-2.55	
			<i>For 316 Stainless Steel, Add</i>	32.77	
			<i>For Aluminum, Add</i>	1.84	
			<i>For Galvanized Steel, Add</i>	6.35	
			<i>For 304 Stainless Steel, Add</i>	29.18	
05 12 23 00-0634	LF		5" Junior I-Beam, 3.8 LB/LF.....	21.94	7.34
			<i>For >100 To 250, Deduct</i>	-0.73	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500 To 1,000, Deduct</i>	-2.08	
			<i>For >1,000, Deduct</i>	-2.87	
			<i>For 316 Stainless Steel, Add</i>	38.88	
			<i>For Aluminum, Add</i>	2.19	
			<i>For Galvanized Steel, Add</i>	7.53	
			<i>For 304 Stainless Steel, Add</i>	34.63	
05 12 23 00-0635	LF		6" Junior I-Beam, 4.4 LB/LF.....	24.73	7.99
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500 To 1,000, Deduct</i>	-2.30	
			<i>For >1,000, Deduct</i>	-3.19	
			<i>For 316 Stainless Steel, Add</i>	45.02	
			<i>For Aluminum, Add</i>	2.53	
			<i>For Galvanized Steel, Add</i>	8.72	
			<i>For 304 Stainless Steel, Add</i>	40.10	
05 12 23 00-0636	LF		7" Junior I-Beam, 5.5 LB/LF.....	29.01	8.56
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.58	
			<i>For >500 To 1,000, Deduct</i>	-2.59	
			<i>For >1,000, Deduct</i>	-3.60	
			<i>For 316 Stainless Steel, Add</i>	56.29	
			<i>For Aluminum, Add</i>	3.17	
			<i>For Galvanized Steel, Add</i>	10.91	
			<i>For 304 Stainless Steel, Add</i>	50.13	
05 12 23 00-0637	LF		8" Junior I-Beam, 6.5 LB/LF.....	32.97	9.13
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500 To 1,000, Deduct</i>	-2.87	
			<i>For >1,000, Deduct</i>	-4.00	
			<i>For 316 Stainless Steel, Add</i>	66.53	
			<i>For Aluminum, Add</i>	3.74	
			<i>For Galvanized Steel, Add</i>	12.89	
			<i>For 304 Stainless Steel, Add</i>	59.25	
05 12 23 00-0638	LF		10" Junior I-Beam, 9 LB/LF.....	42.71	10.44
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-2.11	
			<i>For >500 To 1,000, Deduct</i>	-3.53	
			<i>For >1,000, Deduct</i>	-4.94	
			<i>For 316 Stainless Steel, Add</i>	92.13	
			<i>For Aluminum, Add</i>	5.18	
			<i>For Galvanized Steel, Add</i>	17.85	
			<i>For 304 Stainless Steel, Add</i>	82.05	
05 12 23 00-0639	LF		12" Junior I-Beam, 11.8 LB/LF.....	54.27	12.40
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-2.60	
			<i>For >500 To 1,000, Deduct</i>	-4.37	
			<i>For >1,000, Deduct</i>	-6.14	
			<i>For 316 Stainless Steel, Add</i>	120.77	
			<i>For Aluminum, Add</i>	6.79	
			<i>For Galvanized Steel, Add</i>	23.40	
			<i>For 304 Stainless Steel, Add</i>	107.56	
05 12 23 00-0640			Round Stock (05 12 23 00-0422)		
05 12 23 00-0641	LF		1/4" Carbon Steel Rounds, ASTM A108.....	2.62	
			<i>For 316 Stainless Steel, Add</i>	4.90	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.95	
			<i>For 304 Stainless Steel, Add</i>	4.36	
05 12 23 00-0642	LF		3/8" Carbon Steel Rounds, ASTM A108.....	4.25	
			<i>For 316 Stainless Steel, Add</i>	9.66	
			<i>For Aluminum, Add</i>	0.54	
			<i>For Galvanized Steel, Add</i>	1.87	
			<i>For 304 Stainless Steel, Add</i>	8.61	
05 12 23 00-0643	LF		1/2" Carbon Steel Rounds, ASTM A108.....	5.95	
			<i>For 316 Stainless Steel, Add</i>	14.69	
			<i>For Aluminum, Add</i>	0.83	
			<i>For Galvanized Steel, Add</i>	2.85	
			<i>For 304 Stainless Steel, Add</i>	13.08	
05 12 23 00-0644	LF		5/8" Carbon Steel Rounds, ASTM A108.....	9.17	
			<i>For 316 Stainless Steel, Add</i>	24.51	
			<i>For Aluminum, Add</i>	1.38	
			<i>For Galvanized Steel, Add</i>	4.75	
			<i>For 304 Stainless Steel, Add</i>	21.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0645 LF 3/4" Carbon Steel Rounds, ASTM A108	10.90	
For 316 Stainless Steel, Add	29.09	
For Aluminum, Add	1.64	
For Galvanized Steel, Add	5.64	
For 304 Stainless Steel, Add	25.91	
05 12 23 00-0646 LF 7/8" Carbon Steel Rounds, ASTM A108	12.72	
For 316 Stainless Steel, Add	34.02	
For Aluminum, Add	1.91	
For Galvanized Steel, Add	6.59	
For 304 Stainless Steel, Add	30.30	
05 12 23 00-0647 LF 1" Carbon Steel Rounds, ASTM A108	18.66	
For 316 Stainless Steel, Add	51.81	
For Aluminum, Add	2.91	
For Galvanized Steel, Add	10.04	
For 304 Stainless Steel, Add	46.14	
05 12 23 00-0648 LF 1-1/8" Carbon Steel Rounds, ASTM A108	22.69	
For 316 Stainless Steel, Add	62.94	
For Aluminum, Add	3.54	
For Galvanized Steel, Add	12.20	
For 304 Stainless Steel, Add	56.06	
05 12 23 00-0649 LF 1-1/4" Carbon Steel Rounds, ASTM A108	27.03	
For 316 Stainless Steel, Add	74.08	
For Aluminum, Add	4.17	
For Galvanized Steel, Add	14.35	
For 304 Stainless Steel, Add	65.98	
05 12 23 00-0650 LF 1-3/8" Carbon Steel Rounds, ASTM A108	32.79	
For 316 Stainless Steel, Add	90.43	
For Aluminum, Add	5.09	
For Galvanized Steel, Add	17.52	
For 304 Stainless Steel, Add	80.54	
05 12 23 00-0651 LF 1-1/2" Carbon Steel Rounds, ASTM A108	36.43	
For 316 Stainless Steel, Add	99.17	
For Aluminum, Add	5.58	
For Galvanized Steel, Add	19.21	
For 304 Stainless Steel, Add	88.32	
05 12 23 00-0652 LF 1-5/8" Carbon Steel Rounds, ASTM A108	41.92	
For 316 Stainless Steel, Add	112.38	
For Aluminum, Add	6.32	
For Galvanized Steel, Add	21.77	
For 304 Stainless Steel, Add	100.09	
05 12 23 00-0653 LF 1-3/4" Carbon Steel Rounds, ASTM A108	49.94	
For 316 Stainless Steel, Add	130.82	
For Aluminum, Add	7.36	
For Galvanized Steel, Add	25.35	
For 304 Stainless Steel, Add	116.51	
05 12 23 00-0654 LF 1-7/8" Carbon Steel Rounds, ASTM A108	59.84	
For 316 Stainless Steel, Add	153.22	
For Aluminum, Add	8.62	
For Galvanized Steel, Add	29.69	
For 304 Stainless Steel, Add	136.46	
05 12 23 00-0655 LF 2" Carbon Steel Rounds, ASTM A108	68.06	
For 316 Stainless Steel, Add	170.43	
For Aluminum, Add	9.59	
For Galvanized Steel, Add	33.02	
For 304 Stainless Steel, Add	151.79	
05 12 23 00-0656 LF 2-1/8" Carbon Steel Rounds, ASTM A108	79.22	
For 316 Stainless Steel, Add	194.66	
For Aluminum, Add	10.95	
For Galvanized Steel, Add	37.71	
For 304 Stainless Steel, Add	173.37	
05 12 23 00-0657 LF 2-1/4" Carbon Steel Rounds, ASTM A108	89.53	
For 316 Stainless Steel, Add	218.85	
For Aluminum, Add	12.31	
For Galvanized Steel, Add	42.40	
For 304 Stainless Steel, Add	194.91	
05 12 23 00-0658 LF 2-3/8" Carbon Steel Rounds, ASTM A108	102.54	
For 316 Stainless Steel, Add	250.34	
For Aluminum, Add	14.08	
For Galvanized Steel, Add	48.50	
For 304 Stainless Steel, Add	222.96	
05 12 23 00-0659 LF 2-1/2" Carbon Steel Rounds, ASTM A108	112.86	
For 316 Stainless Steel, Add	269.79	
For Aluminum, Add	15.18	
For Galvanized Steel, Add	52.27	
For 304 Stainless Steel, Add	240.28	
05 12 23 00-0660 LF 2-5/8" Carbon Steel Rounds, ASTM A108	138.80	
For 316 Stainless Steel, Add	342.69	
For Aluminum, Add	19.28	
For Galvanized Steel, Add	66.40	
For 304 Stainless Steel, Add	305.21	
05 12 23 00-0661 LF 2-3/4" Carbon Steel Rounds, ASTM A108	158.07	
For 316 Stainless Steel, Add	390.78	
For Aluminum, Add	21.98	
For Galvanized Steel, Add	75.71	
For 304 Stainless Steel, Add	348.04	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0662	LF		2-7/8 Carbon Steel Rounds, ASTM A108	176.27	
			For 316 Stainless Steel, Add	435.49	
			For Aluminum, Add	24.50	
			For Galvanized Steel, Add	84.38	
			For 304 Stainless Steel, Add	387.86	
05 12 23 00-0663	LF		3" Carbon Steel Rounds, ASTM A108	184.58	
			For 316 Stainless Steel, Add	448.54	
			For Aluminum, Add	25.23	
			For Galvanized Steel, Add	86.91	
			For 304 Stainless Steel, Add	399.48	
05 12 23 00-0664	LF		3-1/8" Carbon Steel Rounds, ASTM A108	191.91	
			For 316 Stainless Steel, Add	458.50	
			For Aluminum, Add	25.79	
			For Galvanized Steel, Add	88.83	
			For 304 Stainless Steel, Add	408.35	
05 12 23 00-0665	LF		3-1/4" Carbon Steel Rounds, ASTM A108	201.98	
			For 316 Stainless Steel, Add	477.18	
			For Aluminum, Add	26.84	
			For Galvanized Steel, Add	92.45	
			For 304 Stainless Steel, Add	424.99	
05 12 23 00-0666	LF		3-1/2" Carbon Steel Rounds, ASTM A108	247.37	
			For 316 Stainless Steel, Add	605.47	
			For Aluminum, Add	34.06	
			For Galvanized Steel, Add	117.31	
			For 304 Stainless Steel, Add	539.25	
05 12 23 00-0667	LF		3-5/8" Carbon Steel Rounds, ASTM A108	275.11	
			For 316 Stainless Steel, Add	677.34	
			For Aluminum, Add	38.10	
			For Galvanized Steel, Add	131.24	
			For 304 Stainless Steel, Add	603.26	
05 12 23 00-0668	LF		3-3/4" Carbon Steel Rounds, ASTM A108	295.15	
			For 316 Stainless Steel, Add	724.54	
			For Aluminum, Add	40.76	
			For Galvanized Steel, Add	140.38	
			For 304 Stainless Steel, Add	645.30	
05 12 23 00-0669	LF		4" Carbon Steel Rounds, ASTM A108	331.80	
			For 316 Stainless Steel, Add	824.93	
			For Aluminum, Add	46.40	
			For Galvanized Steel, Add	159.83	
			For 304 Stainless Steel, Add	734.70	
05 12 23 00-0670			Square Stock (05 12 23 00-0422)		
05 12 23 00-0671	LF		3/8" Square Bar Stock	1.94	
			For 316 Stainless Steel, Add	2.27	
			For Aluminum, Add	0.13	
			For Galvanized Steel, Add	0.44	
			For 304 Stainless Steel, Add	2.02	
05 12 23 00-0672	LF		1/2" Square Bar Stock	2.62	
			For 316 Stainless Steel, Add	4.03	
			For Aluminum, Add	0.23	
			For Galvanized Steel, Add	0.78	
			For 304 Stainless Steel, Add	3.59	
05 12 23 00-0673	LF		5/8" Square Bar Stock	3.47	
			For 316 Stainless Steel, Add	6.27	
			For Aluminum, Add	0.35	
			For Galvanized Steel, Add	1.22	
			For 304 Stainless Steel, Add	5.59	
05 12 23 00-0674	LF		3/4" Square Bar Stock	4.64	
			For 316 Stainless Steel, Add	9.06	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.75	
			For 304 Stainless Steel, Add	8.07	
05 12 23 00-0675	LF		7/8" Square Bar Stock	6.04	
			For 316 Stainless Steel, Add	12.64	
			For Aluminum, Add	0.71	
			For Galvanized Steel, Add	2.45	
			For 304 Stainless Steel, Add	11.26	
05 12 23 00-0676	LF		1" Square Bar Stock	7.52	
			For 316 Stainless Steel, Add	16.16	
			For Aluminum, Add	0.91	
			For Galvanized Steel, Add	3.13	
			For 304 Stainless Steel, Add	14.39	
05 12 23 00-0677	LF		1-1/4" Square Bar Stock	11.76	
			For 316 Stainless Steel, Add	25.22	
			For Aluminum, Add	1.42	
			For Galvanized Steel, Add	4.89	
			For 304 Stainless Steel, Add	22.46	
05 12 23 00-0678	LF		1-1/2" Square Bar Stock	16.79	
			For 316 Stainless Steel, Add	36.32	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.04	
			For 304 Stainless Steel, Add	32.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0679	LF		1-3/4" Square Bar Stock <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	24.85 50.53 2.84 9.79 45.00	
05 12 23 00-0680	LF		2" Square Bar Stock <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	35.43 64.64 3.64 12.52 57.57	
05 12 23 00-0681			Steel Tubing <small>(05 12 23 00-0422)</small> Note: General purpose low-carbon steel.		
05 12 23 00-0682			Square Steel Tubing <small>(05 12 23 00-0681)</small>		
05 12 23 00-0683			0.06" Wall Thickness <small>(05 12 23 00-0682)</small>		
05 12 23 00-0684	LF		1/2" x 1/2" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	2.64 -0.06 -0.12 -0.21 -0.30 1.15	0.59
05 12 23 00-0685	LF		3/4" x 3/4" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	4.05 -0.09 -0.19 -0.32 -0.46 1.75	0.92
05 12 23 00-0686	LF		1" x 1" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	5.45 -0.13 -0.26 -0.44 -0.62 2.34	1.67
05 12 23 00-0687	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	7.20 -0.16 -0.34 -0.57 -0.80 3.16	1.59
05 12 23 00-0688	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	8.54 -0.19 -0.41 -0.68 -0.96 3.71	1.92
05 12 23 00-0689			0.083" Wall Thickness <small>(05 12 23 00-0682)</small>		
05 12 23 00-0690	LF		3/4" x 3/4" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	4.72 -0.11 -0.23 -0.38 -0.53 2.03	1.07
05 12 23 00-0691	LF		1" x 1" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	6.87 -0.15 -0.32 -0.54 -0.76 3.04	1.48
05 12 23 00-0692	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	8.30 -0.19 -0.40 -0.67 -0.94 3.59	1.88
05 12 23 00-0693	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	10.03 -0.23 -0.48 -0.81 -1.13 4.33	2.29
05 12 23 00-0694	LF		2" x 2" x 0.083" Square Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	12.85 -0.30 -0.63 -1.05 -1.47 5.45	3.04
05 12 23 00-0695			0.12" Wall Thickness <small>(05 12 23 00-0682)</small>		

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0696	LF 1" x 1" x 0.12" Square Steel Tubing.....	7.58	1.76
	<i>For >100 To 250, Deduct</i>	-0.18	
	<i>For >250 To 500, Deduct</i>	-0.37	
	<i>For >500 To 1,000, Deduct</i>	-0.61	
	<i>For >1,000, Deduct</i>	-0.86	
	<i>For Galvanized Steel, Add</i>	3.24	
05 12 23 00-0697	LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	9.76	2.25
	<i>For >100 To 250, Deduct</i>	-0.23	
	<i>For >250 To 500, Deduct</i>	-0.47	
	<i>For >500 To 1,000, Deduct</i>	-0.79	
	<i>For >1,000, Deduct</i>	-1.11	
	<i>For Galvanized Steel, Add</i>	4.19	
05 12 23 00-0698	LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	11.98	2.76
	<i>For >100 To 250, Deduct</i>	-0.28	
	<i>For >250 To 500, Deduct</i>	-0.58	
	<i>For >500 To 1,000, Deduct</i>	-0.97	
	<i>For >1,000, Deduct</i>	-1.36	
	<i>For Galvanized Steel, Add</i>	5.15	
05 12 23 00-0699	LF 2" x 2" x 0.12" Square Steel Tubing.....	16.21	3.76
	<i>For >100 To 250, Deduct</i>	-0.38	
	<i>For >250 To 500, Deduct</i>	-0.78	
	<i>For >500 To 1,000, Deduct</i>	-1.31	
	<i>For >1,000, Deduct</i>	-1.84	
	<i>For Galvanized Steel, Add</i>	6.94	
05 12 23 00-0700	1/8" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0701	LF 2" x 2" x 1/8" Square Steel Tubing.....	14.55	3.90
	<i>For >100 To 250, Deduct</i>	-0.39	
	<i>For >250 To 500, Deduct</i>	-0.75	
	<i>For >500 To 1,000, Deduct</i>	-1.25	
	<i>For >1,000, Deduct</i>	-1.74	
	<i>For Galvanized Steel, Add</i>	5.79	
05 12 23 00-0702	LF 2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	19.20	4.94
	<i>For >100 To 250, Deduct</i>	-0.49	
	<i>For >250 To 500, Deduct</i>	-0.97	
	<i>For >500 To 1,000, Deduct</i>	-1.62	
	<i>For >1,000, Deduct</i>	-2.26	
	<i>For Galvanized Steel, Add</i>	7.82	
05 12 23 00-0703	LF 3" x 3" x 1/8" Square Steel Tubing.....	22.48	5.99
	<i>For >100 To 250, Deduct</i>	-0.60	
	<i>For >250 To 500, Deduct</i>	-1.16	
	<i>For >500 To 1,000, Deduct</i>	-1.92	
	<i>For >1,000, Deduct</i>	-2.68	
	<i>For Galvanized Steel, Add</i>	8.99	
05 12 23 00-0704	LF 3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	26.03	7.03
	<i>For >100 To 250, Deduct</i>	-0.70	
	<i>For >250 To 500, Deduct</i>	-1.35	
	<i>For >500 To 1,000, Deduct</i>	-2.24	
	<i>For >1,000, Deduct</i>	-3.12	
	<i>For Galvanized Steel, Add</i>	10.34	
05 12 23 00-0705	LF 4" x 4" x 1/8" Square Steel Tubing.....	28.66	8.07
	<i>For >100 To 250, Deduct</i>	-0.81	
	<i>For >250 To 500, Deduct</i>	-1.52	
	<i>For >500 To 1,000, Deduct</i>	-2.51	
	<i>For >1,000, Deduct</i>	-3.49	
	<i>For Galvanized Steel, Add</i>	11.10	
05 12 23 00-0706	3/16" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0707	LF 2" x 2" x 3/16" Square Steel Tubing.....	16.50	4.41
	<i>For >100 To 250, Deduct</i>	-0.44	
	<i>For >250 To 500, Deduct</i>	-0.85	
	<i>For >500 To 1,000, Deduct</i>	-1.41	
	<i>For >1,000, Deduct</i>	-1.97	
	<i>For Galvanized Steel, Add</i>	6.58	
05 12 23 00-0708	LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	21.34	5.70
	<i>For >100 To 250, Deduct</i>	-0.57	
	<i>For >250 To 500, Deduct</i>	-1.10	
	<i>For >500 To 1,000, Deduct</i>	-1.83	
	<i>For >1,000, Deduct</i>	-2.55	
	<i>For Galvanized Steel, Add</i>	8.53	
05 12 23 00-0709	LF 3" x 3" x 3/16" Square Steel Tubing.....	26.24	7.01
	<i>For >100 To 250, Deduct</i>	-0.70	
	<i>For >250 To 500, Deduct</i>	-1.36	
	<i>For >500 To 1,000, Deduct</i>	-2.25	
	<i>For >1,000, Deduct</i>	-3.14	
	<i>For Galvanized Steel, Add</i>	10.48	
05 12 23 00-0710	LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	31.12	8.31
	<i>For >100 To 250, Deduct</i>	-0.83	
	<i>For >250 To 500, Deduct</i>	-1.61	
	<i>For >500 To 1,000, Deduct</i>	-2.66	
	<i>For >1,000, Deduct</i>	-3.72	
	<i>For Galvanized Steel, Add</i>	12.42	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0711 LF 4" x 4" x 3/16" Square Steel Tubing.....	35.97	9.61
For >100 To 250, Deduct	-0.96	
For >250 To 500, Deduct	-1.86	
For >500 To 1,000, Deduct	-3.08	
For >1,000, Deduct	-4.30	
For Galvanized Steel, Add	14.37	
05 12 23 00-0712 LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	40.85	10.91
For >100 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-3.50	
For >1,000, Deduct	-4.88	
For Galvanized Steel, Add	16.31	
05 12 23 00-0713 LF 5" x 5" x 3/16" Square Steel Tubing.....	45.71	12.21
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.36	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.46	
For Galvanized Steel, Add	18.25	
05 12 23 00-0714 LF 6" x 6" x 3/16" Square Steel Tubing.....	55.48	14.81
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.87	
For >500 To 1,000, Deduct	-4.75	
For >1,000, Deduct	-6.63	
For Galvanized Steel, Add	22.15	
05 12 23 00-0715 1/4" Wall Thickness (05 12 23 00-0682)		
05 12 23 00-0716 LF 2" x 2" x 1/4" Square Steel Tubing.....	17.63	4.41
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.06	
For Galvanized Steel, Add	7.28	
05 12 23 00-0717 LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	23.17	5.79
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.71	
For Galvanized Steel, Add	9.57	
05 12 23 00-0718 LF 3" x 3" x 1/4" Square Steel Tubing.....	28.70	7.19
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.44	
For >500 To 1,000, Deduct	-2.39	
For >1,000, Deduct	-3.35	
For Galvanized Steel, Add	11.85	
05 12 23 00-0719 LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	34.24	8.58
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.71	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-4.00	
For Galvanized Steel, Add	14.14	
05 12 23 00-0720 LF 4" x 4" x 1/4" Square Steel Tubing.....	39.78	9.96
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.99	
For >500 To 1,000, Deduct	-3.32	
For >1,000, Deduct	-4.64	
For Galvanized Steel, Add	16.43	
05 12 23 00-0721 LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	45.32	11.35
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.27	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.29	
For Galvanized Steel, Add	18.72	
05 12 23 00-0722 LF 5" x 5" x 1/4" Square Steel Tubing.....	50.89	12.74
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.55	
For >500 To 1,000, Deduct	-4.24	
For >1,000, Deduct	-5.94	
For Galvanized Steel, Add	21.02	
05 12 23 00-0723 LF 6" x 6" x 1/4" Square Steel Tubing.....	61.97	15.51
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-3.10	
For >500 To 1,000, Deduct	-5.17	
For >1,000, Deduct	-7.23	
For Galvanized Steel, Add	25.59	
05 12 23 00-0724 Rectangular Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0725 3/16" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0726 LF 3" x 2" x 3/16" Square Steel Tubing.....	21.34	5.70
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.83	
For >1,000, Deduct	-2.55	
For Galvanized Steel, Add	8.53	

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727 LF 4" x 2" x 3/16" Square Steel Tubing.....	26.24	7.01
For>100 To 250, Deduct	-0.70	
For>250 To 500, Deduct	-1.36	
For>500 To 1,000, Deduct	-2.25	
For>1,000, Deduct	-3.14	
For Galvanized Steel, Add	10.48	
05 12 23 00-0728 LF 4" x 3" x 3/16" Square Steel Tubing.....	31.12	8.31
For>100 To 250, Deduct	-0.83	
For>250 To 500, Deduct	-1.61	
For>500 To 1,000, Deduct	-2.66	
For>1,000, Deduct	-3.72	
For Galvanized Steel, Add	12.42	
05 12 23 00-0729 LF 5" x 2" x 3/16" Square Steel Tubing.....	31.12	8.31
For>100 To 250, Deduct	-0.83	
For>250 To 500, Deduct	-1.61	
For>500 To 1,000, Deduct	-2.66	
For>1,000, Deduct	-3.72	
For Galvanized Steel, Add	12.42	
05 12 23 00-0730 LF 5" x 3" x 3/16" Square Steel Tubing.....	35.97	9.61
For>100 To 250, Deduct	-0.96	
For>250 To 500, Deduct	-1.86	
For>500 To 1,000, Deduct	-3.08	
For>1,000, Deduct	-4.30	
For Galvanized Steel, Add	14.37	
05 12 23 00-0731 LF 5" x 4" x 3/16" Square Steel Tubing.....	40.85	10.91
For>100 To 250, Deduct	-1.09	
For>250 To 500, Deduct	-2.11	
For>500 To 1,000, Deduct	-3.50	
For>1,000, Deduct	-4.88	
For Galvanized Steel, Add	16.31	
05 12 23 00-0732 LF 6" x 2" x 3/16" Square Steel Tubing.....	35.97	9.61
For>100 To 250, Deduct	-0.96	
For>250 To 500, Deduct	-1.86	
For>500 To 1,000, Deduct	-3.08	
For>1,000, Deduct	-4.30	
For Galvanized Steel, Add	14.37	
05 12 23 00-0733 LF 6" x 3" x 3/16" Square Steel Tubing.....	40.85	10.91
For>100 To 250, Deduct	-1.09	
For>250 To 500, Deduct	-2.11	
For>500 To 1,000, Deduct	-3.50	
For>1,000, Deduct	-4.88	
For Galvanized Steel, Add	16.31	
05 12 23 00-0734 LF 6" x 4" x 3/16" Square Steel Tubing.....	45.71	12.21
For>100 To 250, Deduct	-1.22	
For>250 To 500, Deduct	-2.36	
For>500 To 1,000, Deduct	-3.91	
For>1,000, Deduct	-5.46	
For Galvanized Steel, Add	18.25	
05 12 23 00-0735 1/4" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0736 LF 3" x 2" x 1/4" Square Steel Tubing.....	23.17	5.79
For>100 To 250, Deduct	-0.58	
For>250 To 500, Deduct	-1.16	
For>500 To 1,000, Deduct	-1.93	
For>1,000, Deduct	-2.71	
For Galvanized Steel, Add	9.57	
05 12 23 00-0737 LF 4" x 2" x 1/4" Square Steel Tubing.....	28.70	7.19
For>100 To 250, Deduct	-0.72	
For>250 To 500, Deduct	-1.44	
For>500 To 1,000, Deduct	-2.39	
For>1,000, Deduct	-3.35	
For Galvanized Steel, Add	11.85	
05 12 23 00-0738 LF 4" x 3" x 1/4" Square Steel Tubing.....	34.24	8.58
For>100 To 250, Deduct	-0.86	
For>250 To 500, Deduct	-1.71	
For>500 To 1,000, Deduct	-2.86	
For>1,000, Deduct	-4.00	
For Galvanized Steel, Add	14.14	
05 12 23 00-0739 LF 5" x 2" x 1/4" Square Steel Tubing.....	34.24	8.58
For>100 To 250, Deduct	-0.86	
For>250 To 500, Deduct	-1.71	
For>500 To 1,000, Deduct	-2.86	
For>1,000, Deduct	-4.00	
For Galvanized Steel, Add	14.14	
05 12 23 00-0740 LF 5" x 3" x 1/4" Square Steel Tubing.....	39.78	9.96
For>100 To 250, Deduct	-1.00	
For>250 To 500, Deduct	-1.99	
For>500 To 1,000, Deduct	-3.32	
For>1,000, Deduct	-4.64	
For Galvanized Steel, Add	16.43	



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

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0741 LF 5" x 4" x 1/4" Square Steel Tubing.....	45.32	11.35
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.27	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.29	
For Galvanized Steel, Add	18.72	
05 12 23 00-0742 LF 6" x 2" x 1/4" Square Steel Tubing.....	39.78	9.96
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.99	
For >500 To 1,000, Deduct	-3.32	
For >1,000, Deduct	-4.64	
For Galvanized Steel, Add	16.43	
05 12 23 00-0743 LF 6" x 3" x 1/4" Square Steel Tubing.....	45.32	11.35
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-2.27	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.29	
For Galvanized Steel, Add	18.72	
05 12 23 00-0744 LF 6" x 4" x 1/4" Square Steel Tubing.....	50.89	12.74
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.55	
For >500 To 1,000, Deduct	-4.24	
For >1,000, Deduct	-5.94	
For Galvanized Steel, Add	21.02	
05 12 23 00-0745 Round Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0746 0.065" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0747 LF 1" Diameter x 0.065" Round Steel Tubing	4.72	1.06
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.53	
For Galvanized Steel, Add	2.05	
05 12 23 00-0748 LF 1-1/4" Diameter x 0.065" Round Steel Tubing	5.97	1.34
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.67	
For Galvanized Steel, Add	2.59	
05 12 23 00-0749 LF 1-1/2" Diameter x 0.065" Round Steel Tubing	7.22	1.63
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.58	
For >1,000, Deduct	-0.81	
For Galvanized Steel, Add	3.14	
05 12 23 00-0750 LF 2" Diameter x 0.065" Round Steel Tubing	9.75	2.19
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.10	
For Galvanized Steel, Add	4.23	
05 12 23 00-0751 LF 2-1/2" Diameter x 0.065" Round Steel Tubing	12.27	2.76
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.38	
For Galvanized Steel, Add	5.33	
05 12 23 00-0752 LF 3" Diameter x 0.065" Round Steel Tubing	14.79	3.33
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.18	
For >1,000, Deduct	-1.66	
For Galvanized Steel, Add	6.42	
05 12 23 00-0753 LF 3-1/2" Diameter x 0.065" Round Steel Tubing	17.32	3.89
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.95	
For Galvanized Steel, Add	7.52	
05 12 23 00-0754 LF 4" Diameter x 0.065" Round Steel Tubing	19.84	4.46
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.59	
For >1,000, Deduct	-2.23	
For Galvanized Steel, Add	8.61	
05 12 23 00-0755 0.083" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0756 LF 1" Diameter x 0.083" Round Steel Tubing	5.12	1.16
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.58	
For Galvanized Steel, Add	2.21	

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

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0757	LF 1-1/4" Diameter x 0.083" Round Steel Tubing	6.51	1.48
	<i>For >100 To 250, Deduct</i>	-0.15	
	<i>For >250 To 500, Deduct</i>	-0.31	
	<i>For >500 To 1,000, Deduct</i>	-0.52	
	<i>For >1,000, Deduct</i>	-0.73	
	<i>For Galvanized Steel, Add</i>	2.81	
05 12 23 00-0758	LF 1-1/2" Diameter x 0.083" Round Steel Tubing	7.91	1.79
	<i>For >100 To 250, Deduct</i>	-0.18	
	<i>For >250 To 500, Deduct</i>	-0.38	
	<i>For >500 To 1,000, Deduct</i>	-0.63	
	<i>For >1,000, Deduct</i>	-0.89	
	<i>For Galvanized Steel, Add</i>	3.42	
05 12 23 00-0759	LF 2" Diameter x 0.083" Round Steel Tubing	10.70	2.43
	<i>For >100 To 250, Deduct</i>	-0.24	
	<i>For >250 To 500, Deduct</i>	-0.51	
	<i>For >500 To 1,000, Deduct</i>	-0.86	
	<i>For >1,000, Deduct</i>	-1.21	
	<i>For Galvanized Steel, Add</i>	4.63	
05 12 23 00-0760	LF 2-1/2" Diameter x 0.083" Round Steel Tubing	13.49	3.05
	<i>For >100 To 250, Deduct</i>	-0.31	
	<i>For >250 To 500, Deduct</i>	-0.64	
	<i>For >500 To 1,000, Deduct</i>	-1.08	
	<i>For >1,000, Deduct</i>	-1.52	
	<i>For Galvanized Steel, Add</i>	5.83	
05 12 23 00-0761	LF 3" Diameter x 0.083" Round Steel Tubing	16.28	3.69
	<i>For >100 To 250, Deduct</i>	-0.37	
	<i>For >250 To 500, Deduct</i>	-0.78	
	<i>For >500 To 1,000, Deduct</i>	-1.31	
	<i>For >1,000, Deduct</i>	-1.84	
	<i>For Galvanized Steel, Add</i>	7.04	
05 12 23 00-0762	LF 3-1/2" Diameter x 0.083" Round Steel Tubing	19.06	4.33
	<i>For >100 To 250, Deduct</i>	-0.43	
	<i>For >250 To 500, Deduct</i>	-0.91	
	<i>For >500 To 1,000, Deduct</i>	-1.53	
	<i>For >1,000, Deduct</i>	-2.15	
	<i>For Galvanized Steel, Add</i>	8.25	
05 12 23 00-0763	LF 4" Diameter x 0.083" Round Steel Tubing	21.85	4.95
	<i>For >100 To 250, Deduct</i>	-0.50	
	<i>For >250 To 500, Deduct</i>	-1.04	
	<i>For >500 To 1,000, Deduct</i>	-1.75	
	<i>For >1,000, Deduct</i>	-2.46	
	<i>For Galvanized Steel, Add</i>	9.46	
05 12 23 00-0764	0.125" Wall Thickness <small>(05 12 23 00-0745)</small>		
05 12 23 00-0765	LF 2" Diameter x 0.125" Round Steel Tubing	11.41	3.06
	<i>For >100 To 250, Deduct</i>	-0.31	
	<i>For >250 To 500, Deduct</i>	-0.59	
	<i>For >500 To 1,000, Deduct</i>	-0.98	
	<i>For >1,000, Deduct</i>	-1.37	
	<i>For Galvanized Steel, Add</i>	4.54	
05 12 23 00-0766	LF 2-1/2" Diameter x 0.125" Round Steel Tubing	14.46	3.88
	<i>For >100 To 250, Deduct</i>	-0.39	
	<i>For >250 To 500, Deduct</i>	-0.75	
	<i>For >500 To 1,000, Deduct</i>	-1.24	
	<i>For >1,000, Deduct</i>	-1.73	
	<i>For Galvanized Steel, Add</i>	5.75	
05 12 23 00-0767	LF 3" Diameter x 0.125" Round Steel Tubing	17.49	4.69
	<i>For >100 To 250, Deduct</i>	-0.47	
	<i>For >250 To 500, Deduct</i>	-0.91	
	<i>For >500 To 1,000, Deduct</i>	-1.50	
	<i>For >1,000, Deduct</i>	-2.09	
	<i>For Galvanized Steel, Add</i>	6.96	
05 12 23 00-0768	LF 3-1/2" Diameter x 0.125" Round Steel Tubing	20.53	5.51
	<i>For >100 To 250, Deduct</i>	-0.55	
	<i>For >250 To 500, Deduct</i>	-1.06	
	<i>For >500 To 1,000, Deduct</i>	-1.76	
	<i>For >1,000, Deduct</i>	-2.46	
	<i>For Galvanized Steel, Add</i>	8.17	
05 12 23 00-0769	LF 4" Diameter x 0.125" Round Steel Tubing	23.57	6.33
	<i>For >100 To 250, Deduct</i>	-0.63	
	<i>For >250 To 500, Deduct</i>	-1.22	
	<i>For >500 To 1,000, Deduct</i>	-2.02	
	<i>For >1,000, Deduct</i>	-2.82	
	<i>For Galvanized Steel, Add</i>	9.39	
05 12 23 00-0770	Flat Steel Bar <small>(05 12 23 00-0422)</small>		
05 12 23 00-0771	1/8" Thick <small>(05 12 23 00-0770)</small>		
05 12 23 00-0772	LF 1/8" Thick x 1" Wide Flat Steel Bar	3.38	1.53
	<i>For Galvanized Steel, Add</i>	0.68	
05 12 23 00-0773	LF 1/8" Thick x 2" Wide Flat Steel Bar	5.24	2.29
	<i>For Galvanized Steel, Add</i>	1.12	
05 12 23 00-0774	LF 1/8" Thick x 4" Wide Flat Steel Bar	8.12	3.22
	<i>For Galvanized Steel, Add</i>	2.04	



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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0775 LF 1/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	11.00 2.76	4.37
05 12 23 00-0776 3/16" Thick <small>(05 12 23 00-0770)</small>		
05 12 23 00-0777 LF 3/16" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.50 1.03	1.89
05 12 23 00-0778 LF 3/16" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	7.13 1.77	2.84
05 12 23 00-0779 LF 3/16" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	9.72 2.99	3.27
05 12 23 00-0780 LF 3/16" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	13.46 4.14	4.52
05 12 23 00-0781 1/4" Thick <small>(05 12 23 00-0770)</small>		
05 12 23 00-0782 LF 1/4" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.64 1.02	2.00
05 12 23 00-0783 LF 1/4" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	7.81 2.05	3.00
05 12 23 00-0784 LF 1/4" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	11.56 3.97	3.43
05 12 23 00-0785 LF 1/4" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	16.70 5.64	5.07
05 12 23 00-0786 3/8" Thick <small>(05 12 23 00-0770)</small>		
05 12 23 00-0787 LF 3/8" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	5.95 1.59	2.25
05 12 23 00-0788 LF 3/8" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	9.81 2.94	3.37
05 12 23 00-0789 LF 3/8" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	15.26 5.88	3.85
05 12 23 00-0790 LF 3/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	21.91 8.27	5.70
05 12 23 00-0791 1/2" Thick <small>(05 12 23 00-0770)</small>		
05 12 23 00-0792 LF 1/2" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	7.01 2.04	2.47
05 12 23 00-0793 LF 1/2" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	11.63 3.75	3.72
05 12 23 00-0794 LF 1/2" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	16.67 6.39	4.23
05 12 23 00-0795 LF 1/2" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	29.98 12.75	6.28
05 12 23 00-0796 Flat Steel Plate <small>(05 12 23 00-0422)</small>		
05 12 23 00-0797 SF 1/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	17.60 24.83 1.40 4.81 22.12	6.55
05 12 23 00-0798 SF 3/16" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	19.90 31.07 1.75 6.02 27.67	6.79
05 12 23 00-0799 SF 1/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	23.80 39.62 2.23 7.68 35.28	7.60
05 12 23 00-0800 SF 3/8" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	32.27 62.18 3.50 12.05 55.38	8.55
05 12 23 00-0801 SF 1/2" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	38.34 77.47 4.36 15.01 69.00	9.40
05 12 23 00-0802 SF 3/4" Thick Flat Steel Plate <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	63.06 145.28 8.17 28.15 129.39	11.66

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



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0803 SF 1" Thick Flat Steel Plate.....	84.23	14.57
For 316 Stainless Steel, Add	198.91	
For Aluminum, Add	11.19	
For Galvanized Steel, Add	38.54	
For 304 Stainless Steel, Add	177.16	

05 13 Structural Stainless-Steel Framing (05 10)

05 13 00 00-0001	Stainless Steel Tube (05 13)		
05 13 00 00-0002	LF 1" x 1" Stainless Steel Tube.....	36.64	
05 13 00 00-0003	LF 1-1/2" x 1-1/2" Stainless Steel Tube	47.55	
05 13 00 00-0004	LF 2" x 2" Stainless Steel Tube.....	64.99	

05 14 Structural Aluminum Framing (05 10)

05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)

05 14 13 00-0001	Rolled Or Plate Shapes (05 14 13) Note: 1" through 10" member.		
05 14 13 00-0002	LB Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	9.45	0.88
05 14 13 00-0003	LB Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	8.32	0.82

05 14 13 00-0004 Aluminum Extrusions (05 14 13)

05 14 13 00-0005	LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	15.30	3.68
05 14 13 00-0006	LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	16.22	3.68

05 14 13 00-0007 Aluminum Tubing (05 14 13)

05 14 13 00-0008	LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	13.69	2.24
05 14 13 00-0009	LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.12	3.62
05 14 13 00-0010	LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	14.69	3.95
05 14 13 00-0011	LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	16.86	4.61
05 14 13 00-0012	LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness	20.11	4.95
05 14 13 00-0013	LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness	59.54	6.27
05 14 13 00-0014	LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness	48.71	5.61

05 14 13 00-0015 Columns (05 14 13)

Note: Baked on paint finish, load bearing.

05 14 13 00-0016 Round Columns (05 14 13 00-0015)

05 14 13 00-0017	LF 6" Diameter Aluminum Column.....	54.60	7.08
05 14 13 00-0018	LF 8" Diameter Aluminum Column.....	72.61	10.15
05 14 13 00-0019	LF 10" Diameter Aluminum Column	88.83	11.42
05 14 13 00-0020	LF 12" Diameter Aluminum Column.....	134.60	11.95
05 14 13 00-0021	LF 15" Diameter Aluminum Column.....	172.13	13.85
05 14 13 00-0022	EA 6" Diameter Aluminum Base And Cap	106.40	13.22
05 14 13 00-0023	EA 8" Diameter Aluminum Base And Cap	122.00	14.28
05 14 13 00-0024	EA 10" Diameter Aluminum Base And Cap	154.56	15.86
05 14 13 00-0025	EA 12" Diameter Aluminum Base And Cap	269.87	16.92
05 14 13 00-0026	EA 15" Diameter Aluminum Base And Cap	415.16	18.50

05 14 13 00-0027 Octagonal Columns (05 14 13 00-0015)

05 14 13 00-0028	LF 6" Diameter Aluminum Column.....	61.16	7.08
05 14 13 00-0029	LF 8" Diameter Aluminum Column.....	83.06	10.15
05 14 13 00-0030	LF 10" Diameter Aluminum Column.....	102.03	11.42
05 14 13 00-0031	LF 12" Diameter Aluminum Column.....	156.76	11.95
05 14 13 00-0032	LF 15" Diameter Aluminum Column.....	201.03	13.85
05 14 13 00-0033	EA 6" Diameter Aluminum Base And Cap.....	122.39	13.22
05 14 13 00-0034	EA 8" Diameter Aluminum Base And Cap.....	140.70	14.28
05 14 13 00-0035	EA 10" Diameter Aluminum Base And Cap.....	179.13	15.86
05 14 13 00-0036	EA 12" Diameter Aluminum Base And Cap.....	317.08	16.92
05 14 13 00-0037	EA 15" Diameter Aluminum Base And Cap.....	490.79	18.50

05 14 13 00-0038 Fluted Columns (05 14 13 00-0015)

05 14 13 00-0039	LF 6" Diameter Aluminum Column.....	68.23	7.08
05 14 13 00-0040	LF 8" Diameter Aluminum Column.....	92.47	10.15
05 14 13 00-0041	LF 10" Diameter Aluminum Column.....	113.90	11.42
05 14 13 00-0042	LF 12" Diameter Aluminum Column.....	176.70	11.95
05 14 13 00-0043	LF 15" Diameter Aluminum Column.....	227.04	13.85
05 14 13 00-0044	EA 6" Diameter Aluminum Base And Cap.....	136.78	13.22
05 14 13 00-0045	EA 8" Diameter Aluminum Base And Cap.....	157.52	14.28
05 14 13 00-0046	EA 10" Diameter Aluminum Base And Cap.....	201.24	15.86
05 14 13 00-0047	EA 12" Diameter Aluminum Base And Cap.....	359.57	16.92
05 14 13 00-0048	EA 15" Diameter Aluminum Base And Cap.....	558.86	18.50



Metals	05	05
Structural Metal Framing	05 10	
Structural Aluminum Framing	05 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 14 13 00-0049	Square Columns <small>(05 14 13 00-0015)</small>		
05 14 13 00-0050	LF 6" Aluminum Column	73.06	7.08
05 14 13 00-0051	LF 8" Aluminum Column	98.90	10.15
05 14 13 00-0052	LF 10" Aluminum Column	122.03	11.42
05 14 13 00-0053	LF 12" Aluminum Column	190.34	11.95
05 14 13 00-0054	LF 15" Aluminum Column	244.83	13.85
05 14 13 00-0055	EA 6" Aluminum Base And Cap	146.63	13.22
05 14 13 00-0056	EA 8" Aluminum Base And Cap	169.02	14.28
05 14 13 00-0057	EA 10" Aluminum Base And Cap	216.36	15.86
05 14 13 00-0058	EA 12" Aluminum Base And Cap	388.63	16.92
05 14 13 00-0059	EA 15" Aluminum Base And Cap	605.41	18.50

05 14 13 00-0060	Ornamental Or Decorative Cap And Bases <small>(05 14 13 00-0015)</small>		
05 14 13 00-0061	EA 8" Corinthian Capital And Base	845.83	15.86
05 14 13 00-0062	EA 10" Corinthian Capital And Base	1,246.00	18.50
05 14 13 00-0063	EA 12" Corinthian Capital And Base	1,973.21	21.15
05 14 13 00-0064	EA 8" Scamozzi Capital And Base	417.90	15.86
05 14 13 00-0065	EA 10" Scamozzi Capital And Base	560.62	18.50
05 14 13 00-0066	EA 12" Scamozzi Capital And Base	1,131.96	21.15

05 15 Wire Rope Assemblies (05 10)

05 15 16 Steel Wire Rope Assemblies (05 15)

05 15 16 00-0001	6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0002	LF 1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.67	0.11
	<i>For >500, Deduct</i>	-0.30	
05 15 16 00-0003	LF 5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.24	0.11
	<i>For >500, Deduct</i>	-0.39	
05 15 16 00-0004	LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.66	0.22
	<i>For >500, Deduct</i>	-0.45	
05 15 16 00-0005	LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.18	0.22
	<i>For >500, Deduct</i>	-0.52	
05 15 16 00-0006	LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.68	0.32
	<i>For >500, Deduct</i>	-0.59	
05 15 16 00-0007	LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.51	0.43
	<i>For >500, Deduct</i>	-0.71	
05 15 16 00-0008	LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.38	0.43
	<i>For >500, Deduct</i>	-0.84	
05 15 16 00-0009	LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.45	0.76
	<i>For >500, Deduct</i>	-1.15	
05 15 16 00-0010	LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.01	0.87
	<i>For >500, Deduct</i>	-1.54	
05 15 16 00-0011	LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.46	1.19
	<i>For >500, Deduct</i>	-1.88	
05 15 16 00-0012	LF 1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.40	1.53
	<i>For >500, Deduct</i>	-2.32	
05 15 16 00-0013	LF 1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	18.77	1.85
	<i>For >500, Deduct</i>	-2.82	
05 15 16 00-0014	6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0015	LF 1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.96	0.11
	<i>For >500, Deduct</i>	-0.35	
05 15 16 00-0016	LF 5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.54	0.11
	<i>For >500, Deduct</i>	-0.45	
05 15 16 00-0017	LF 3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.15	0.22
	<i>For >500, Deduct</i>	-0.54	
05 15 16 00-0018	LF 7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.56	0.22
	<i>For >500, Deduct</i>	-0.60	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.23	0.32
			<i>For >500, Deduct</i>	-0.70	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.86	0.43
			<i>For >500, Deduct</i>	-0.78	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.68	0.43
			<i>For >500, Deduct</i>	-0.90	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.34	0.76
			<i>For >500, Deduct</i>	-1.32	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.66	0.87
			<i>For >500, Deduct</i>	-1.67	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	13.10	1.19
			<i>For >500, Deduct</i>	-2.02	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	16.78	1.53
			<i>For >500, Deduct</i>	-2.58	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	20.42	1.85
			<i>For >500, Deduct</i>	-3.15	
05 15 16 00-0027			6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.55	0.11
			<i>For >500, Deduct</i>	-0.27	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.10	0.11
			<i>For >500, Deduct</i>	-0.36	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.50	0.22
			<i>For >500, Deduct</i>	-0.41	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.91	0.22
			<i>For >500, Deduct</i>	-0.47	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.50	0.32
			<i>For >500, Deduct</i>	-0.55	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.43	0.43
			<i>For >500, Deduct</i>	-0.69	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	5.16	0.43
			<i>For >500, Deduct</i>	-0.80	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	7.25	0.76
			<i>For >500, Deduct</i>	-1.11	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	8.85	0.87
			<i>For >500, Deduct</i>	-1.31	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	11.24	1.19
			<i>For >500, Deduct</i>	-1.63	
05 15 16 00-0038			6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.53	0.11
			<i>For >500, Deduct</i>	-0.27	
05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.02	0.11
			<i>For >500, Deduct</i>	-0.35	
05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.50	0.22
			<i>For >500, Deduct</i>	-0.41	
05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.91	0.22
			<i>For >500, Deduct</i>	-0.47	
05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.66	0.32
			<i>For >500, Deduct</i>	-0.58	
05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.35	0.43
			<i>For >500, Deduct</i>	-0.68	
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.46	0.43
			<i>For >500, Deduct</i>	-0.86	
05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.61	0.76
			<i>For >500, Deduct</i>	-1.18	
05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.94	0.87
			<i>For >500, Deduct</i>	-1.52	
05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.23	1.19
			<i>For >500, Deduct</i>	-1.84	
05 15 16 00-0049			6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.84	0.22
			<i>For >500, Deduct</i>	-0.48	
05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.30	0.22
			<i>For >500, Deduct</i>	-0.55	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.86	0.32
				<i>For >500, Deduct</i>	-0.62	
	05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.20	0.43
				<i>For >500, Deduct</i>	-0.85	
	05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.72	0.43
				<i>For >500, Deduct</i>	-0.91	
	05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.79	0.76
				<i>For >500, Deduct</i>	-1.21	
	05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	9.97	0.87
				<i>For >500, Deduct</i>	-1.53	
	05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	13.15	1.19
				<i>For >500, Deduct</i>	-2.01	
	05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	15.91	1.53
				<i>For >500, Deduct</i>	-2.42	
	05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	19.20	1.85
				<i>For >500, Deduct</i>	-2.91	
	05 15 16 00-0060			6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <small>(05 15 16)</small>		
	05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.91	0.22
				<i>For >500, Deduct</i>	-0.50	
	05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.50	0.22
				<i>For >500, Deduct</i>	-0.59	
	05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	4.13	0.32
				<i>For >500, Deduct</i>	-0.68	
	05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.79	0.43
				<i>For >500, Deduct</i>	-0.97	
	05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.82	0.43
				<i>For >500, Deduct</i>	-0.93	
	05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.98	0.76
				<i>For >500, Deduct</i>	-1.25	
	05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	10.57	0.87
				<i>For >500, Deduct</i>	-1.65	
	05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	13.35	1.19
				<i>For >500, Deduct</i>	-2.05	
	05 15 16 00-0069			19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <small>(05 15 16)</small>		
	05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.03	0.11
				<i>For >500, Deduct</i>	-0.57	
	05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.26	0.11
				<i>For >500, Deduct</i>	-0.60	
	05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.84	0.22
				<i>For >500, Deduct</i>	-0.69	
	05 15 16 00-0073	LF		7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	5.13	0.22
				<i>For >500, Deduct</i>	-0.91	
	05 15 16 00-0074	LF		1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	5.86	0.22
				<i>For >500, Deduct</i>	-1.06	
	05 15 16 00-0075	LF		9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	6.74	0.43
				<i>For >500, Deduct</i>	-1.16	
	05 15 16 00-0076	LF		5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	8.02	0.43
				<i>For >500, Deduct</i>	-1.37	
	05 15 16 00-0077	LF		3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	11.01	0.66
				<i>For >500, Deduct</i>	-1.87	
	05 15 16 00-0078			7x7, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>		

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0079	LF		1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.33	0.08
			<i>For >500, Deduct</i>	-0.04	
05 15 16 00-0080	LF		3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.38	0.09
			<i>For >500, Deduct</i>	-0.05	
05 15 16 00-0081	LF		1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.43	0.10
			<i>For >500, Deduct</i>	-0.05	
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.49	0.11
			<i>For >500, Deduct</i>	-0.06	
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.60	0.11
			<i>For >500, Deduct</i>	-0.08	
05 15 16 00-0084			7x19, Galvanized Finish, Aircraft Cable <small>(05 15 16)</small>		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.60	0.10
			<i>For >500, Deduct</i>	-0.09	
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.64	0.11
			<i>For >500, Deduct</i>	-0.09	
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.74	0.11
			<i>For >500, Deduct</i>	-0.11	
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.88	0.11
			<i>For >500, Deduct</i>	-0.14	
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.34	0.11
			<i>For >500, Deduct</i>	-0.21	
05 15 16 00-0090	LF		3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.79	0.11
			<i>For >500, Deduct</i>	-0.27	
05 15 16 00-0091			Heavy Duty, Galvanized Steel, Wire Rope Thimbles <small>(05 15 16)</small>		
05 15 16 00-0092	EA		1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.28	3.27
05 15 16 00-0093	EA		5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	16.39	3.27
05 15 16 00-0094	EA		3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	18.73	3.27
05 15 16 00-0095	EA		7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.16	3.27
05 15 16 00-0096	EA		1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.19	3.27
05 15 16 00-0097	EA		9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.19	3.27
05 15 16 00-0098	EA		5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	27.37	3.27
05 15 16 00-0099	EA		3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	50.44	5.01
05 15 16 00-0100	EA		7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	59.41	6.09
05 15 16 00-0101	EA		1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	106.15	10.00
05 15 16 00-0102	EA		1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	152.74	13.59
05 15 16 00-0103	EA		1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	152.74	13.59
05 15 16 00-0104			Galvanized Steel, Wire Rope Clips <small>(05 15 16)</small>		
05 15 16 00-0105	EA		1/8" Diameter, Galvanized Steel, Wire Rope Clip	16.67	3.27
05 15 16 00-0106	EA		3/16" Diameter, Galvanized Steel, Wire Rope Clip	17.03	3.27
05 15 16 00-0107	EA		1/4" Diameter, Galvanized Steel, Wire Rope Clip	19.48	3.27
05 15 16 00-0108	EA		5/16" Diameter, Galvanized Steel, Wire Rope Clip	19.87	3.27
05 15 16 00-0109	EA		3/8" Diameter, Galvanized Steel, Wire Rope Clip	20.42	3.27
05 15 16 00-0110	EA		7/16" Diameter, Galvanized Steel, Wire Rope Clip	25.69	3.27
05 15 16 00-0111	EA		1/2" Diameter, Galvanized Steel, Wire Rope Clip	26.09	3.27
05 15 16 00-0112	EA		9/16" Diameter, Galvanized Steel, Wire Rope Clip	29.91	3.27
05 15 16 00-0113	EA		5/8" Diameter, Galvanized Steel, Wire Rope Clip	30.46	3.27
05 15 16 00-0114	EA		3/4" Diameter, Galvanized Steel, Wire Rope Clip	41.72	4.35
05 15 16 00-0115	EA		7/8" Diameter, Galvanized Steel, Wire Rope Clip	62.36	6.52
05 15 16 00-0116	EA		1" Diameter, Galvanized Steel, Wire Rope Clip	68.62	6.52
05 15 16 00-0117	EA		1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	80.58	8.70
05 15 16 00-0118	EA		1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	117.04	13.05
05 15 16 00-0119			Steel, Open Swage Sockets <small>(05 15 16)</small>		
05 15 16 00-0120	EA		1/4" Diameter, Steel, Open Swage Socket	103.84	3.27
05 15 16 00-0121	EA		5/16" Diameter, Steel, Open Swage Socket	166.48	3.27
05 15 16 00-0122	EA		3/8" Diameter, Steel, Open Swage Socket	170.79	4.35
05 15 16 00-0123	EA		7/16" Diameter, Steel, Open Swage Socket	202.54	5.44
05 15 16 00-0124	EA		1/2" Diameter, Steel, Open Swage Socket	202.54	5.44
05 15 16 00-0125	EA		9/16" Diameter, Steel, Open Swage Socket	293.57	11.96
05 15 16 00-0126	EA		5/8" Diameter, Steel, Open Swage Socket	293.57	11.96
05 15 16 00-0127	EA		3/4" Diameter, Steel, Open Swage Socket	370.37	22.83
05 15 16 00-0128	EA		7/8" Diameter, Steel, Open Swage Socket	497.51	32.62
05 15 16 00-0129	EA		1" Diameter, Steel, Open Swage Socket	697.32	50.02
05 15 16 00-0130	EA		1-1/8" Diameter, Steel, Open Swage Socket	906.88	78.30
05 15 16 00-0131	EA		1-1/4" Diameter, Steel, Open Swage Socket	1,055.76	90.26
05 15 16 00-0132			Steel, Closed Swage Sockets <small>(05 15 16)</small>		
05 15 16 00-0133	EA		1/4" Diameter, Steel, Closed Swage Socket	83.16	3.27
05 15 16 00-0134	EA		5/16" Diameter, Steel, Closed Swage Socket	113.24	3.27
05 15 16 00-0135	EA		3/8" Diameter, Steel, Closed Swage Socket	113.24	3.27
05 15 16 00-0136	EA		7/16" Diameter, Steel, Closed Swage Socket	140.83	4.35
05 15 16 00-0137	EA		1/2" Diameter, Steel, Closed Swage Socket	142.04	4.35
05 15 16 00-0138	EA		9/16" Diameter, Steel, Closed Swage Socket	193.45	7.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			05 15 16 00-0139 EA 5/8" Diameter, Steel, Closed Swage Socket.....	198.63	8.70
			05 15 16 00-0140 EA 3/4" Diameter, Steel, Closed Swage Socket.....	243.99	14.14
			05 15 16 00-0141 EA 7/8" Diameter, Steel, Closed Swage Socket.....	313.61	20.66
			05 15 16 00-0142 EA 1" Diameter, Steel, Closed Swage Socket.....	448.70	28.27
			05 15 16 00-0143 EA 1-1/8" Diameter, Steel, Closed Swage Socket.....	553.78	39.15
			05 15 16 00-0144 EA 1-1/4" Diameter, Steel, Closed Swage Socket.....	745.31	60.90
05 15 16 00-0145			Galvanized Steel, Open Spelter Sockets (05 15 16)		
			05 15 16 00-0146 EA 1/4" Galvanized Steel, Open Spelter Socket.....	175.16	3.27
			05 15 16 00-0147 EA 5/16" Galvanized Steel, Open Spelter Socket.....	179.13	3.27
			05 15 16 00-0148 EA 3/8" Galvanized Steel, Open Spelter Socket.....	179.13	3.27
			05 15 16 00-0149 EA 7/16" Galvanized Steel, Open Spelter Socket.....	198.48	6.52
			05 15 16 00-0150 EA 1/2" Galvanized Steel, Open Spelter Socket.....	198.48	6.52
			05 15 16 00-0151 EA 9/16" Galvanized Steel, Open Spelter Socket.....	258.49	10.87
			05 15 16 00-0152 EA 5/8" Galvanized Steel, Open Spelter Socket.....	258.49	10.87
			05 15 16 00-0153 EA 3/4" Galvanized Steel, Open Spelter Socket.....	325.41	16.31
			05 15 16 00-0154 EA 7/8" Galvanized Steel, Open Spelter Socket.....	485.05	27.19
			05 15 16 00-0155 EA 1" Galvanized Steel, Open Spelter Socket.....	887.53	42.41
			05 15 16 00-0156 EA 1-1/8" Galvanized Steel, Open Spelter Socket.....	1,029.88	68.51
			05 15 16 00-0157 EA 1-1/4" Galvanized Steel, Open Spelter Socket.....	1,392.96	90.26
05 15 16 00-0158			Galvanized Steel, Closed Spelter Sockets (05 15 16)		
			05 15 16 00-0159 EA 1/4" Galvanized Steel, Closed Spelter Socket.....	146.54	3.27
			05 15 16 00-0160 EA 5/16" Galvanized Steel, Closed Spelter Socket.....	147.09	3.27
			05 15 16 00-0161 EA 3/8" Galvanized Steel, Closed Spelter Socket.....	147.09	3.27
			05 15 16 00-0162 EA 7/16" Galvanized Steel, Closed Spelter Socket.....	163.54	5.44
			05 15 16 00-0163 EA 1/2" Galvanized Steel, Closed Spelter Socket.....	163.54	5.44
			05 15 16 00-0164 EA 9/16" Galvanized Steel, Closed Spelter Socket.....	227.12	9.79
			05 15 16 00-0165 EA 5/8" Galvanized Steel, Closed Spelter Socket.....	227.12	9.79
			05 15 16 00-0166 EA 3/4" Galvanized Steel, Closed Spelter Socket.....	276.54	14.14
			05 15 16 00-0167 EA 7/8" Galvanized Steel, Closed Spelter Socket.....	403.16	21.75
			05 15 16 00-0168 EA 1" Galvanized Steel, Closed Spelter Socket.....	608.02	33.71
			05 15 16 00-0169 EA 1-1/8" Galvanized Steel, Closed Spelter Socket.....	795.36	45.68
			05 15 16 00-0170 EA 1-1/4" Galvanized Steel, Closed Spelter Socket.....	999.68	60.90
05 15 16 00-0171			Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)		
			05 15 16 00-0172 EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle.....	100.16	3.27
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-13.39	
			05 15 16 00-0173 EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle.....	107.59	3.27
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-14.51	
			05 15 16 00-0174 EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	121.34	3.27
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.57	
			05 15 16 00-0175 EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	133.19	4.35
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-17.24	
			05 15 16 00-0176 EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle.....	175.60	5.44
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.94	
			05 15 16 00-0177 EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	199.39	6.52
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-25.98	
			05 15 16 00-0178 EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	201.53	8.70
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-25.21	
			05 15 16 00-0179 EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle.....	250.43	8.70
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-32.13	
			05 15 16 00-0180 EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	284.85	9.79
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-36.90	
			05 15 16 00-0181 EA 3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	271.50	11.96
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-33.78	
			05 15 16 00-0182 EA 3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle.....	308.09	14.14
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-37.63	
			05 15 16 00-0183 EA 3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	382.35	15.23
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-48.03	
			05 15 16 00-0184 EA 3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	459.93	18.48
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-57.74	
			05 15 16 00-0185 EA 7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	519.52	26.10
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-62.39	
			05 15 16 00-0186 EA 7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	631.19	30.45
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-76.55	
			05 15 16 00-0187 EA 1" x 6", Forged Steel, Jaw And Jaw Turnbuckle.....	540.57	26.10
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-65.55	
			05 15 16 00-0188 EA 1" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	614.74	33.71
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-71.82	
			05 15 16 00-0189 EA 1" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	847.07	42.41
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-101.97	
			05 15 16 00-0190 EA 1" x 24", Forged Steel, Jaw And Jaw Turnbuckle.....	944.93	50.02
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-112.08	
			05 15 16 00-0191 EA 1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle.....	1,048.24	60.90
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-120.99	
			05 15 16 00-0192 EA 1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle.....	1,269.97	68.51
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-149.72	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0193 EA 1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,654.08 -201.51	78.30
05 15 16 00-0194 EA 1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,629.44 -194.22	83.74
05 15 16 00-0195 EA 1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,778.37 -201.51	108.75
05 15 16 00-0196 EA 1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	3,254.80 -406.66	141.38
05 15 16 00-0197 EA 2" x 24", Forged Steel, Jaw And Jaw Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	5,295.68 -631.23	271.87
05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts <small>(05 15 16)</small>		
05 15 16 00-0199 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.76	
05 15 16 00-0200 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.87	
05 15 16 00-0201 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	23.66	
05 15 16 00-0202 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	28.32	
05 15 16 00-0203 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	28.19	
05 15 16 00-0204 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	38.85	
05 15 16 00-0205 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	46.97	
05 15 16 00-0206 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	63.85	
05 15 16 00-0207 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	86.22	
05 15 16 00-0208 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	126.05	
05 15 16 00-0209 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	150.13	
05 15 16 00-0210 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	274.40	
05 15 16 00-0211 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	314.87	
05 15 16 00-0212 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	389.80	
05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts <small>(05 15 16)</small>		
05 15 16 00-0214 EA 1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.63	
05 15 16 00-0215 EA 1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	24.78	
05 15 16 00-0216 EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	34.09	
05 15 16 00-0217 EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	22.45	
05 15 16 00-0218 EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	30.78	
05 15 16 00-0219 EA 3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	47.02	
05 15 16 00-0220 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	45.52	
05 15 16 00-0221 EA 3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	43.19	
05 15 16 00-0222 EA 3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.59	
05 15 16 00-0223 EA 3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	39.86	
05 15 16 00-0224 EA 1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	35.01	
05 15 16 00-0225 EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.62	
05 15 16 00-0226 EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.38	
05 15 16 00-0227 EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	50.16	
05 15 16 00-0228 EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.75	
05 15 16 00-0229 EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	61.56	
05 15 16 00-0230 EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	54.00	
05 15 16 00-0231 EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	49.09	
05 15 16 00-0232 EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	58.02	
05 15 16 00-0233 EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	58.84	
05 15 16 00-0234 EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	52.22	
05 15 16 00-0235 EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	66.08	
05 15 16 00-0236 EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	75.95	
05 15 16 00-0237 EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	87.82	
05 15 16 00-0238 EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	72.25	
05 15 16 00-0239 EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	72.31	
05 15 16 00-0240 EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	73.76	
05 15 16 00-0241 EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	81.67	
05 15 16 00-0242 EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	88.18	
05 15 16 00-0243 EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	103.34	
05 15 16 00-0244 EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	137.25	
05 15 19 Stainless Steel Wire Rope Assemblies <small>(05 15 19)</small>		
05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable <small>(05 15 19)</small>		
05 15 19 00-0002 LF 1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable <i>For >500, Deduct</i>	0.26 -0.03	0.08
05 15 19 00-0003 LF 3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable <i>For >500, Deduct</i>	0.34 -0.04	0.09
05 15 19 00-0004 LF 1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable <i>For >500, Deduct</i>	0.44 -0.06	0.10
05 15 19 00-0005 LF 5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable <i>For >500, Deduct</i>	0.56 -0.08	0.11
05 15 19 00-0006 LF 3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable <i>For >500, Deduct</i>	0.71 -0.10	0.11
05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable <small>(05 15 19)</small>		
05 15 19 00-0008 LF 1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable <i>For >500, Deduct</i>	0.50 -0.07	0.10



Metals	05	05
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0009 LF 5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.57 -0.08	0.11
05 15 19 00-0010 LF 3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.67 -0.09	0.11
05 15 19 00-0011 LF 1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.84 -0.13	0.11
05 15 19 00-0012 LF 5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	1.28 -0.20	0.11
05 15 19 00-0013 LF 3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	1.92 -0.30	0.22
05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0015 LF 1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.26 -0.03	0.08
05 15 19 00-0016 LF 3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.34 -0.04	0.09
05 15 19 00-0017 LF 1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.44 -0.06	0.10
05 15 19 00-0018 LF 5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.56 -0.08	0.11
05 15 19 00-0019 LF 3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.71 -0.10	0.11
05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)		
05 15 19 00-0021 LF 1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.50 -0.07	0.10
05 15 19 00-0022 LF 5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.57 -0.08	0.11
05 15 19 00-0023 LF 3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.67 -0.09	0.11
05 15 19 00-0024 LF 1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	0.84 -0.13	0.11
05 15 19 00-0025 LF 5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	1.28 -0.20	0.11
05 15 19 00-0026 LF 3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For >500, Deduct</i>	1.92 -0.30	0.11

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)

05 21 19 Open Web Steel Joist Framing (05 21)

05 21 19 00-0001 TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging..... <i>For Welded Cross Bridging, Add</i>	2,785.68 242.53	194.03
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	237.27	
05 21 19 00-0002 TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging..... <i>For Welded Cross Bridging, Add</i>	2,554.61 215.58	181.90
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	220.32	
05 21 19 00-0003 TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging..... <i>For Welded Cross Bridging, Add</i>	3,073.11 223.88	181.90
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	279.22	
05 21 19 00-0004 TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging..... <i>For Welded Cross Bridging, Add</i>	3,486.77 223.88	181.90
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	328.86	
05 21 19 00-0005 TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging..... <i>For Welded Cross Bridging, Add</i>	3,083.59 242.53	181.90
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	273.02	
05 21 19 00-0006 TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging..... <i>For Welded Cross Bridging, Add</i>	3,848.73 223.88	181.90
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	372.30	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking (05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck (05 31 13)

05 31 13 00-0002 SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.18	0.49
<i>For Painted, Deduct</i>	-0.13	
<i>For Perforated Or Slotted, Add</i>	0.13	
<i>For Site Installed Insulation Between Ribs, Add</i>	0.84	
<i>For Up To 100, Add</i>	0.87	
<i>For >100 To 500, Add</i>	0.50	
<i>For >500 To 1,500, Add</i>	0.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0003	SF		1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.62	0.57
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.96	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 500, Add</i>	0.58	
			<i>For >500 To 1,500, Add</i>	0.18	
05 31 13 00-0004	SF		1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.56	0.69
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.20	
			<i>For Up To 100, Add</i>	1.24	
			<i>For >100 To 500, Add</i>	0.72	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 13 00-0005	SF		1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.50	0.55
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Site Installed Insulation Between Ribs, Add</i>	0.93	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >500 To 1,500, Add</i>	0.17	
05 31 13 00-0006	SF		1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.03	0.63
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.06	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 500, Add</i>	0.64	
			<i>For >500 To 1,500, Add</i>	0.20	
05 31 13 00-0007	SF		1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.05	0.77
			<i>For Painted, Deduct</i>	-0.20	
			<i>For Perforated Or Slotted, Add</i>	0.20	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.33	
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 500, Add</i>	0.80	
			<i>For >500 To 1,500, Add</i>	0.24	
05 31 13 00-0008	SF		2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.95	0.58
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.04	
			<i>For Up To 100, Add</i>	1.04	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >500 To 1,500, Add</i>	0.18	
05 31 13 00-0009	SF		2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.60	0.67
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.21	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 500, Add</i>	0.71	
			<i>For >500 To 1,500, Add</i>	0.21	
05 31 13 00-0010	SF		2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.66	0.75
			<i>For Painted, Deduct</i>	-0.24	
			<i>For Perforated Or Slotted, Add</i>	0.24	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.48	
			<i>For Up To 100, Add</i>	1.41	
			<i>For >100 To 500, Add</i>	0.85	
			<i>For >500 To 1,500, Add</i>	0.24	
05 31 13 00-0011	SF		2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.12	0.82
			<i>For Painted, Deduct</i>	-0.31	
			<i>For Perforated Or Slotted, Add</i>	0.31	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.86	
			<i>For Up To 100, Add</i>	1.63	
			<i>For >100 To 500, Add</i>	1.02	
			<i>For >500 To 1,500, Add</i>	0.26	
05 31 13 00-0012	SF		3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.42	0.61
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.16	
			<i>For Up To 100, Add</i>	1.13	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >500 To 1,500, Add</i>	0.19	
05 31 13 00-0013	SF		3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.17	0.69
			<i>For Painted, Deduct</i>	-0.22	
			<i>For Perforated Or Slotted, Add</i>	0.22	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.36	
			<i>For Up To 100, Add</i>	1.30	
			<i>For >100 To 500, Add</i>	0.78	
			<i>For >500 To 1,500, Add</i>	0.22	
05 31 13 00-0014	SF		3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.43	0.86
			<i>For Painted, Deduct</i>	-0.27	
			<i>For Perforated Or Slotted, Add</i>	0.27	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.69	
			<i>For Up To 100, Add</i>	1.61	
			<i>For >100 To 500, Add</i>	0.96	
			<i>For >500 To 1,500, Add</i>	0.27	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0015	SF		3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	8.11	1.04
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.12	
			<i>For Up To 100, Add</i>	1.98	
			<i>For >100 To 500, Add</i>	1.20	
			<i>For >500 To 1,500, Add</i>	0.33	
05 31 13 00-0016	SF		4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	11.75	
			<i>For Painted, Deduct</i>	-0.54	
			<i>For Perforated Or Slotted, Add</i>	0.54	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.01	
			<i>For Up To 100, Add</i>	2.02	
			<i>For >100 To 500, Add</i>	1.46	
			<i>For >500 To 1,500, Add</i>	0.24	
05 31 13 00-0017	SF		4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	14.81	0.86
			<i>For Painted, Deduct</i>	-0.69	
			<i>For Perforated Or Slotted, Add</i>	0.69	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.78	
			<i>For Up To 100, Add</i>	2.44	
			<i>For >100 To 500, Add</i>	1.80	
			<i>For >500 To 1,500, Add</i>	0.27	
05 31 13 00-0018	SF		6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	13.75	0.86
			<i>For Painted, Deduct</i>	-0.63	
			<i>For Perforated Or Slotted, Add</i>	0.63	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.52	
			<i>For Up To 100, Add</i>	2.34	
			<i>For >100 To 500, Add</i>	1.70	
			<i>For >500 To 1,500, Add</i>	0.27	
05 31 13 00-0019	SF		6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.41	1.04
			<i>For Painted, Deduct</i>	-0.66	
			<i>For Perforated Or Slotted, Add</i>	0.66	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.70	
			<i>For Up To 100, Add</i>	2.61	
			<i>For >100 To 500, Add</i>	1.83	
			<i>For >500 To 1,500, Add</i>	0.33	
05 31 13 00-0020	SF		6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	18.00	1.26
			<i>For Painted, Deduct</i>	-0.82	
			<i>For Perforated Or Slotted, Add</i>	0.82	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.62	
			<i>For Up To 100, Add</i>	3.22	
			<i>For >100 To 500, Add</i>	2.27	
			<i>For >500 To 1,500, Add</i>	0.40	
05 31 13 00-0021	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	15.94	1.14
			<i>For Painted, Deduct</i>	-0.73	
			<i>For Perforated Or Slotted, Add</i>	0.73	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.09	
			<i>For Up To 100, Add</i>	2.88	
			<i>For >100 To 500, Add</i>	2.02	
			<i>For >500 To 1,500, Add</i>	0.36	
05 31 13 00-0022	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	19.85	1.39
			<i>For Painted, Deduct</i>	-0.91	
			<i>For Perforated Or Slotted, Add</i>	0.91	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.09	
			<i>For Up To 100, Add</i>	3.54	
			<i>For >100 To 500, Add</i>	2.50	
			<i>For >500 To 1,500, Add</i>	0.43	
05 31 13 00-0023			Cellular Galvanized Steel Deck <small>(05 31 13)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	10.53	0.88
			<i>For Painted, Deduct</i>	-0.47	
			<i>For Perforated Or Slotted, Add</i>	0.47	
			<i>For Insulated Cells, Add</i>	2.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.71	
			<i>For Up To 100, Add</i>	2.04	
			<i>For >100 To 500, Add</i>	1.38	
			<i>For >500 To 1,500, Add</i>	0.28	
05 31 13 00-0025	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	11.44	1.16
			<i>For Painted, Deduct</i>	-0.50	
			<i>For Perforated Or Slotted, Add</i>	0.50	
			<i>For Insulated Cells, Add</i>	2.25	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.97	
			<i>For Up To 100, Add</i>	2.46	
			<i>For >100 To 500, Add</i>	1.58	
			<i>For >500 To 1,500, Add</i>	0.37	
05 31 13 00-0026	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	12.93	0.92
			<i>For Painted, Deduct</i>	-0.59	
			<i>For Perforated Or Slotted, Add</i>	0.59	
			<i>For Insulated Cells, Add</i>	2.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.32	
			<i>For Up To 100, Add</i>	2.33	
			<i>For >100 To 500, Add</i>	1.64	
			<i>For >500 To 1,500, Add</i>	0.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.98	1.22
			<i>For Painted, Deduct</i>	-0.62	
			<i>For Perforated Or Slotted, Add</i>	0.62	
			<i>For Insulated Cells, Add</i>	2.80	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.61	
			<i>For Up To 100, Add</i>	2.78	
			<i>For >100 To 500, Add</i>	1.86	
			<i>For >500 To 1,500, Add</i>	0.38	
05 31	13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	14.80	1.12
			<i>For Painted, Deduct</i>	-0.67	
			<i>For Perforated Or Slotted, Add</i>	0.67	
			<i>For Insulated Cells, Add</i>	3.02	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.80	
			<i>For Up To 100, Add</i>	2.72	
			<i>For >100 To 500, Add</i>	1.89	
			<i>For >500 To 1,500, Add</i>	0.35	
05 31	13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	17.69	1.28
			<i>For Painted, Deduct</i>	-0.80	
			<i>For Perforated Or Slotted, Add</i>	0.80	
			<i>For Insulated Cells, Add</i>	3.62	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.54	
			<i>For Up To 100, Add</i>	3.22	
			<i>For >100 To 500, Add</i>	2.25	
			<i>For >500 To 1,500, Add</i>	0.40	
05 31	13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	19.84	1.39
			<i>For Painted, Deduct</i>	-0.91	
			<i>For Perforated Or Slotted, Add</i>	0.91	
			<i>For Insulated Cells, Add</i>	4.07	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.09	
			<i>For Up To 100, Add</i>	3.54	
			<i>For >100 To 500, Add</i>	2.50	
			<i>For >500 To 1,500, Add</i>	0.43	
05 31	13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	21.46	1.49
			<i>For Painted, Deduct</i>	-0.98	
			<i>For Perforated Or Slotted, Add</i>	0.98	
			<i>For Insulated Cells, Add</i>	4.41	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.50	
			<i>For Up To 100, Add</i>	3.83	
			<i>For >100 To 500, Add</i>	2.71	
			<i>For >500 To 1,500, Add</i>	0.47	
05 31	13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	22.99	1.12
			<i>For Painted, Deduct</i>	-1.08	
			<i>For Perforated Or Slotted, Add</i>	1.08	
			<i>For Insulated Cells, Add</i>	4.86	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.85	
			<i>For Up To 100, Add</i>	3.57	
			<i>For >100 To 500, Add</i>	2.72	
			<i>For >500 To 1,500, Add</i>	0.35	
05 31	13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	24.43	1.30
			<i>For Painted, Deduct</i>	-1.14	
			<i>For Perforated Or Slotted, Add</i>	1.14	
			<i>For Insulated Cells, Add</i>	5.13	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.23	
			<i>For Up To 100, Add</i>	3.91	
			<i>For >100 To 500, Add</i>	2.93	
			<i>For >500 To 1,500, Add</i>	0.41	
05 31	13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	25.82	1.41
			<i>For Painted, Deduct</i>	-1.20	
			<i>For Perforated Or Slotted, Add</i>	1.20	
			<i>For Insulated Cells, Add</i>	5.41	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.59	
			<i>For Up To 100, Add</i>	4.17	
			<i>For >100 To 500, Add</i>	3.11	
			<i>For >500 To 1,500, Add</i>	0.44	
05 31	13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.54	1.51
			<i>For Painted, Deduct</i>	-1.28	
			<i>For Perforated Or Slotted, Add</i>	1.28	
			<i>For Insulated Cells, Add</i>	5.77	
			<i>For Site Installed Insulation Between Ribs, Add</i>	7.02	
			<i>For Up To 100, Add</i>	4.46	
			<i>For >100 To 500, Add</i>	3.32	
			<i>For >500 To 1,500, Add</i>	0.47	

05 31 23 Steel Roof Decking (05 31)

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)

05 31	33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.87	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >500 To 1,500, Add</i>	0.23	



Metals	05	05
Metal Decking	05 30	
Steel Decking	05 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.05	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.18	
For >100 To 500, Add	0.60	
For >500 To 1,500, Add	0.24	
05 31 33 00-0004 SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.37	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	1.35	
For >100 To 500, Add	0.67	
For >500 To 1,500, Add	0.28	
05 31 33 00-0005 SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.64	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.51	
For >100 To 500, Add	0.75	
For >500 To 1,500, Add	0.32	
05 31 33 00-0006 SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.45	
For Painted, Deduct	-0.12	
For Perforated Or Slotted, Add	0.12	
For Up To 100, Add	1.22	
For >100 To 500, Add	0.64	
For >500 To 1,500, Add	0.24	
05 31 33 00-0007 SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.63	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Up To 100, Add	1.28	
For >100 To 500, Add	0.67	
For >500 To 1,500, Add	0.26	
05 31 33 00-0008 SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.82	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Up To 100, Add	1.39	
For >100 To 500, Add	0.72	
For >500 To 1,500, Add	0.28	
05 31 33 00-0009 SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.07	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Up To 100, Add	1.55	
For >100 To 500, Add	0.79	
For >500 To 1,500, Add	0.32	
05 31 33 00-0010 SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.30	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Up To 100, Add	1.63	
For >100 To 500, Add	0.83	
For >500 To 1,500, Add	0.33	
05 31 33 00-0011 SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.69	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	1.71	
For >100 To 500, Add	0.88	
For >500 To 1,500, Add	0.35	
05 31 33 00-0012 SF 1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.38	
For Painted, Deduct	-0.20	
For Perforated Or Slotted, Add	0.20	
For Up To 100, Add	1.87	
For >100 To 500, Add	0.98	
For >500 To 1,500, Add	0.37	
05 31 33 00-0013 SF 1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.95	
For Painted, Deduct	-0.21	
For Perforated Or Slotted, Add	0.21	
For Up To 100, Add	2.11	
For >100 To 500, Add	1.10	
For >500 To 1,500, Add	0.42	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002 SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.34	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Up To 100, Add	1.63	
For >100 To 500, Add	0.83	
For >500 To 1,500, Add	0.33	
05 36 00 00-0003 SF 1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.64	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Up To 100, Add	1.80	
For >100 To 500, Add	0.91	
For >500 To 1,500, Add	0.37	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0004	SF		1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.18	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.17	
			<i>For >100 To 500, Add</i>	1.07	
			<i>For >500 To 1,500, Add</i>	0.46	
05 36 00 00-0005	SF		1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.63	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.53	
			<i>For >100 To 500, Add</i>	1.22	
			<i>For >500 To 1,500, Add</i>	0.55	
05 36 00 00-0006	SF		2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.64	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.80	
			<i>For >100 To 500, Add</i>	0.91	
			<i>For >500 To 1,500, Add</i>	0.37	
05 36 00 00-0007	SF		2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.00	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.97	
			<i>For >100 To 500, Add</i>	0.99	
			<i>For >500 To 1,500, Add</i>	0.41	
05 36 00 00-0008	SF		2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.54	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Up To 100, Add</i>	2.35	
			<i>For >100 To 500, Add</i>	1.15	
			<i>For >500 To 1,500, Add</i>	0.50	
05 36 00 00-0009	SF		2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.05	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Up To 100, Add</i>	2.72	
			<i>For >100 To 500, Add</i>	1.31	
			<i>For >500 To 1,500, Add</i>	0.59	
05 36 00 00-0010	SF		3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.87	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.86	
			<i>For >100 To 500, Add</i>	0.95	
			<i>For >500 To 1,500, Add</i>	0.38	
05 36 00 00-0011	SF		3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.21	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	2.08	
			<i>For >100 To 500, Add</i>	1.04	
			<i>For >500 To 1,500, Add</i>	0.43	
05 36 00 00-0012	SF		3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.84	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Up To 100, Add</i>	2.51	
			<i>For >100 To 500, Add</i>	1.23	
			<i>For >500 To 1,500, Add</i>	0.54	
05 36 00 00-0013	SF		3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.51	
			<i>For Painted, Deduct</i>	-0.20	
			<i>For Perforated Or Slotted, Add</i>	0.20	
			<i>For Up To 100, Add</i>	2.96	
			<i>For >100 To 500, Add</i>	1.42	
			<i>For >500 To 1,500, Add</i>	0.64	
05 36 00 00-0014			Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
			Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF		1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.96	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.25	
			<i>For Up To 100, Add</i>	2.97	
			<i>For >100 To 500, Add</i>	1.52	
			<i>For >500 To 1,500, Add</i>	0.60	
05 36 00 00-0016	SF		1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.50	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.31	
			<i>For Up To 100, Add</i>	3.24	
			<i>For >100 To 500, Add</i>	1.65	
			<i>For >500 To 1,500, Add</i>	0.67	
05 36 00 00-0017	SF		1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.60	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.31	
			<i>For Up To 100, Add</i>	3.34	
			<i>For >100 To 500, Add</i>	1.69	
			<i>For >500 To 1,500, Add</i>	0.69	



	Metals	05
	Metal Decking	05 30
	Composite Metal Decking	05 36

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0018	SF		1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.13	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Insulated Cells, Add</i>	1.36	
			<i>For Up To 100, Add</i>	3.68	
			<i>For >100 To 500, Add</i>	1.83	
			<i>For >500 To 1,500, Add</i>	0.77	
05 36 00 00-0019	SF		1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.77	
			<i>For Painted, Deduct</i>	-0.32	
			<i>For Perforated Or Slotted, Add</i>	0.32	
			<i>For Insulated Cells, Add</i>	1.45	
			<i>For Up To 100, Add</i>	3.97	
			<i>For >100 To 500, Add</i>	1.97	
			<i>For >500 To 1,500, Add</i>	0.83	
05 36 00 00-0020	SF		1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.88	
			<i>For Painted, Deduct</i>	-0.32	
			<i>For Perforated Or Slotted, Add</i>	0.32	
			<i>For Insulated Cells, Add</i>	1.45	
			<i>For Up To 100, Add</i>	4.08	
			<i>For >100 To 500, Add</i>	2.02	
			<i>For >500 To 1,500, Add</i>	0.86	
05 36 00 00-0021	SF		1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.40	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.50	
			<i>For Up To 100, Add</i>	4.40	
			<i>For >100 To 500, Add</i>	2.16	
			<i>For >500 To 1,500, Add</i>	0.93	
05 36 00 00-0022	SF		2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.22	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.27	
			<i>For Up To 100, Add</i>	3.13	
			<i>For >100 To 500, Add</i>	1.59	
			<i>For >500 To 1,500, Add</i>	0.64	
05 36 00 00-0023	SF		2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.67	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Insulated Cells, Add</i>	1.33	
			<i>For Up To 100, Add</i>	3.35	
			<i>For >100 To 500, Add</i>	1.70	
			<i>For >500 To 1,500, Add</i>	0.69	
05 36 00 00-0024	SF		2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.77	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Insulated Cells, Add</i>	1.33	
			<i>For Up To 100, Add</i>	3.45	
			<i>For >100 To 500, Add</i>	1.74	
			<i>For >500 To 1,500, Add</i>	0.72	
05 36 00 00-0025	SF		2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.41	
			<i>For Painted, Deduct</i>	-0.31	
			<i>For Perforated Or Slotted, Add</i>	0.31	
			<i>For Insulated Cells, Add</i>	1.40	
			<i>For Up To 100, Add</i>	3.79	
			<i>For >100 To 500, Add</i>	1.89	
			<i>For >500 To 1,500, Add</i>	0.79	
05 36 00 00-0026	SF		2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.96	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.47	
			<i>For Up To 100, Add</i>	4.08	
			<i>For >100 To 500, Add</i>	2.03	
			<i>For >500 To 1,500, Add</i>	0.86	
05 36 00 00-0027	SF		2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.11	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.47	
			<i>For Up To 100, Add</i>	4.23	
			<i>For >100 To 500, Add</i>	2.09	
			<i>For >500 To 1,500, Add</i>	0.90	
05 36 00 00-0028	SF		2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.65	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Insulated Cells, Add</i>	1.53	
			<i>For Up To 100, Add</i>	4.51	
			<i>For >100 To 500, Add</i>	2.21	
			<i>For >500 To 1,500, Add</i>	0.96	
05 36 00 00-0029	SF		3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.25	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.28	
			<i>For Up To 100, Add</i>	3.13	
			<i>For >100 To 500, Add</i>	1.59	
			<i>For >500 To 1,500, Add</i>	0.64	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.72	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.33	
For Up To 100, Add	3.40	
For >100 To 500, Add	1.72	
For >500 To 1,500, Add	0.70	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.88	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.33	
For Up To 100, Add	3.56	
For >100 To 500, Add	1.78	
For >500 To 1,500, Add	0.74	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.49	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.41	
For Up To 100, Add	3.85	
For >100 To 500, Add	1.92	
For >500 To 1,500, Add	0.81	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.12	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.49	
For Up To 100, Add	4.14	
For >100 To 500, Add	2.06	
For >500 To 1,500, Add	0.87	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.32	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.49	
For Up To 100, Add	4.34	
For >100 To 500, Add	2.14	
For >500 To 1,500, Add	0.92	
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.76	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.53	
For Up To 100, Add	4.62	
For >100 To 500, Add	2.26	
For >500 To 1,500, Add	0.99	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)

05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.14	
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.04	
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.19	
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	3.60	
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.76	
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.50	
05 36 00 00-0043 SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.55	
05 36 00 00-0044 SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	3.92	
05 36 00 00-0045 SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	7.80	
05 36 00 00-0046 SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.23	
05 36 00 00-0047 SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.21	
05 36 00 00-0048 SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.71	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.35	1.08
For Walls >10' High, Add	1.07	
For Curved Wall, Add	0.75	
For Up To 200, Add	1.57	
For >200 To 500, Add	0.79	
For 12" On Center, Add	0.94	
For 24" On Center, Deduct	-0.94	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.96	1.08
For Walls >10' High, Add	1.19	
For Curved Wall, Add	0.79	
For Up To 200, Add	1.72	
For >200 To 500, Add	0.86	
For 12" On Center, Add	1.06	
For 24" On Center, Deduct	-1.06	



Metals	05	05
Cold-Formed Metal Framing	05 40	
Structural Metal Stud Framing	05 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0004	SF		4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 6.22	6.22	1.08
			<i>For Walls >10' High, Add</i>	1.24	
			<i>For Curved Wall, Add</i>	0.83	
			<i>For Up To 200, Add</i>	1.79	
			<i>For >200 To 500, Add</i>	0.90	
			<i>For 12" On Center, Add</i>	1.11	
			<i>For 24" On Center, Deduct</i>	-1.11	
05 41 00 00-0005	SF		6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 7.87	7.87	1.20
			<i>For Walls >10' High, Add</i>	1.57	
			<i>For Curved Wall, Add</i>	0.86	
			<i>For Up To 200, Add</i>	2.15	
			<i>For >200 To 500, Add</i>	1.07	
			<i>For 12" On Center, Add</i>	1.43	
			<i>For 24" On Center, Deduct</i>	-1.43	
05 41 00 00-0006	SF		8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 8.77	8.77	1.31
			<i>For Walls >10' High, Add</i>	1.75	
			<i>For Curved Wall, Add</i>	0.89	
			<i>For Up To 200, Add</i>	2.35	
			<i>For >200 To 500, Add</i>	1.18	
			<i>For 12" On Center, Add</i>	1.61	
			<i>For 24" On Center, Deduct</i>	-1.61	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)					
05 41 00 00-0008	SF		2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 5.74	5.74	1.08
			<i>For Walls >10' High, Add</i>	1.15	
			<i>For Curved Wall, Add</i>	0.79	
			<i>For Up To 200, Add</i>	1.68	
			<i>For >200 To 500, Add</i>	0.84	
			<i>For 12" On Center, Add</i>	1.02	
			<i>For 24" On Center, Deduct</i>	-1.02	
05 41 00 00-0009	SF		3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 6.62	6.62	1.09
			<i>For Walls >10' High, Add</i>	1.32	
			<i>For Curved Wall, Add</i>	0.83	
			<i>For Up To 200, Add</i>	1.88	
			<i>For >200 To 500, Add</i>	0.94	
			<i>For 12" On Center, Add</i>	1.19	
			<i>For 24" On Center, Deduct</i>	-1.19	
05 41 00 00-0010	SF		4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 6.98	6.98	1.09
			<i>For Walls >10' High, Add</i>	1.40	
			<i>For Curved Wall, Add</i>	0.86	
			<i>For Up To 200, Add</i>	1.97	
			<i>For >200 To 500, Add</i>	0.99	
			<i>For 12" On Center, Add</i>	1.25	
			<i>For 24" On Center, Deduct</i>	-1.25	
05 41 00 00-0011	SF		6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 8.79	8.79	1.31
			<i>For Walls >10' High, Add</i>	1.76	
			<i>For Curved Wall, Add</i>	0.91	
			<i>For Up To 200, Add</i>	2.36	
			<i>For >200 To 500, Add</i>	1.18	
			<i>For 12" On Center, Add</i>	1.61	
			<i>For 24" On Center, Deduct</i>	-1.61	
05 41 00 00-0012	SF		8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 9.67	9.67	1.43
			<i>For Walls >10' High, Add</i>	1.93	
			<i>For Curved Wall, Add</i>	0.95	
			<i>For Up To 200, Add</i>	2.57	
			<i>For >200 To 500, Add</i>	1.28	
			<i>For 12" On Center, Add</i>	1.78	
			<i>For 24" On Center, Deduct</i>	-1.78	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)					
05 41 00 00-0014	SF		3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 7.87	7.87	1.49
			<i>For Walls >10' High, Add</i>	1.57	
			<i>For Curved Wall, Add</i>	1.00	
			<i>For Up To 200, Add</i>	2.24	
			<i>For >200 To 500, Add</i>	1.12	
			<i>For 12" On Center, Add</i>	1.41	
			<i>For 24" On Center, Deduct</i>	-1.41	
05 41 00 00-0015	SF		4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 8.08	8.08	1.52
			<i>For Walls >10' High, Add</i>	1.62	
			<i>For Curved Wall, Add</i>	1.01	
			<i>For Up To 200, Add</i>	2.29	
			<i>For >200 To 500, Add</i>	1.15	
			<i>For 12" On Center, Add</i>	1.45	
			<i>For 24" On Center, Deduct</i>	-1.45	
05 41 00 00-0016	SF		6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners 10.10	10.10	1.60
			<i>For Walls >10' High, Add</i>	2.02	
			<i>For Curved Wall, Add</i>	1.07	
			<i>For Up To 200, Add</i>	2.73	
			<i>For >200 To 500, Add</i>	1.37	
			<i>For 12" On Center, Add</i>	1.84	
			<i>For 24" On Center, Deduct</i>	-1.84	

05	05 Metals
	05 40 Cold-Formed Metal Framing
	05 41 Structural Metal Stud Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.08	1.67
For Walls >10' High, Add	2.22	
For Curved Wall, Add	1.12	
For Up To 200, Add	2.96	
For >200 To 500, Add	1.48	
For 12" On Center, Add	2.03	
For 24" On Center, Deduct	-2.03	

05 42 Cold-Formed Metal Joist Framing (05 40)

05 42 13 Cold-Formed Metal Floor Joist Framing (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge <small>(05 42 13)</small>		
05 42 13 00-0002 LF 5-1/2" - 20 Gauge Steel Joists	11.21	2.57
05 42 13 00-0003 LF 6" - 20 Gauge Steel Joists	12.25	3.22
05 42 13 00-0004 LF 7-1/4" - 20 Gauge Steel Joists	13.24	3.54
05 42 13 00-0005 LF 8" - 20 Gauge Steel Joists	14.83	3.77
05 42 13 00-0006 Steel Joists, 18 Gauge <small>(05 42 13)</small>		
05 42 13 00-0007 LF 5-1/2" - 18 Gauge Steel Joists	12.48	2.85
05 42 13 00-0008 LF 6" - 18 Gauge Steel Joists	13.68	3.59
05 42 13 00-0009 LF 7-1/4" - 18 Gauge Steel Joists	14.80	3.93
05 42 13 00-0010 LF 8" - 18 Gauge Steel Joists	15.25	4.18
05 42 13 00-0011 Steel Joists, 16 Gauge <small>(05 42 13)</small>		
05 42 13 00-0012 LF 7-1/4" - 16 Gauge Steel Joists	15.99	3.97
05 42 13 00-0013 LF 8" - 16 Gauge Steel Joists	16.89	4.18
05 42 13 00-0014 Steel Joists, 14 Gauge <small>(05 42 13)</small>		
05 42 13 00-0015 LF 9-1/4" - 14 Gauge Steel Joists	19.03	4.18
05 42 13 00-0016 LF 11-1/2" - 14 Gauge Steel Joists	20.67	4.41
05 42 13 00-0017 Steel Joists, 12 Gauge <small>(05 42 13)</small>		
05 42 13 00-0018 LF 9-1/4" - 12 Gauge Steel Joists	22.63	4.60
05 42 13 00-0019 LF 11-1/2" - 12 Gauge Steel Joists	24.74	4.85
05 42 13 00-0020 Steel Joists, 10 Gauge <small>(05 42 13)</small>		
05 42 13 00-0021 LF 9-1/4" - 10 Gauge Steel Joists	26.28	5.07
05 42 13 00-0022 LF 11-1/2" - 10 Gauge Steel Joists	28.88	5.33
05 42 13 00-0023 Steel Joists, 8 Gauge <small>(05 42 13)</small>		
05 42 13 00-0024 LF 9-1/4" - 8 Gauge Steel Joists	30.02	5.57
05 42 13 00-0025 LF 11-1/2" - 8 Gauge Steel Joists	33.05	5.86

05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)

05 43 00 00-0001 Unistrut Channel <small>(05 43)</small>		
Note: Excludes fasteners and accessories.		
05 43 00 00-0002 Steel Unistrut Channel <small>(05 43 00 00-0001)</small>		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	11.65	2.46
For Galvanizing, Add	1.15	
For Powder Coating, Add	1.01	
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	11.98	2.46
For Galvanizing, Add	1.20	
For Powder Coating, Add	1.06	
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	12.48	2.46
For Galvanizing, Add	1.29	
For Powder Coating, Add	1.14	
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	11.00	2.46
For Galvanizing, Add	1.04	
For Powder Coating, Add	0.91	
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	9.57	2.46
For Galvanizing, Add	0.79	
For Powder Coating, Add	0.70	
05 43 00 00-0008 Stainless Steel Unistrut Channel <small>(05 43 00 00-0001)</small>		
05 43 00 00-0009 304 Stainless Steel Unistrut Channel <small>(05 43 00 00-0008)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	33.84	2.46
	05 43 00 00-0011	LF		1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	40.91	2.46
	05 43 00 00-0012	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	39.15	2.46
	05 43 00 00-0013	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	50.07	2.46
	05 43 00 00-0014			316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
	05 43 00 00-0015	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	56.77	2.46
	05 43 00 00-0016			Unistrut Closure Strips (05 43)		
	05 43 00 00-0017	LF		Steel Raceway Closure Strip For Unistrut Channel.....	6.15	0.55
	05 43 00 00-0018			Lock Nuts With Spring For Unistrut Channel (05 43)		
				Note: Includes hex bolt.		
	05 43 00 00-0019			Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
				Note: Includes hex bolt.		
	05 43 00 00-0020	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	7.40	
	05 43 00 00-0021	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	8.10	
	05 43 00 00-0022	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	8.62	
	05 43 00 00-0023	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	11.44	
	05 43 00 00-0024			Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
				Note: Includes hex bolt.		
	05 43 00 00-0025	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	18.72	
	05 43 00 00-0026	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	20.02	
	05 43 00 00-0027	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	28.91	
	05 43 00 00-0028	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	50.44	
	05 43 00 00-0029			Lock Nuts Without Spring For Unistrut Channel (05 43)		
				Note: Includes hex bolt.		
	05 43 00 00-0030			Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
				Note: Includes hex bolt.		
	05 43 00 00-0031	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	7.42	
	05 43 00 00-0032	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	8.20	
	05 43 00 00-0033	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	8.66	
	05 43 00 00-0034	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	12.25	
	05 43 00 00-0035			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
				Note: Includes hex bolt.		
	05 43 00 00-0036	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.02	
	05 43 00 00-0037	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	15.99	
	05 43 00 00-0038	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	17.55	
	05 43 00 00-0039	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	49.10	
	05 43 00 00-0040			Beam Clamp For Unistrut Channel (05 43)		
	05 43 00 00-0041	EA		1-5/8" Channel, P2675 Unistrut Beam Clamp.....	24.32	8.16
	05 43 00 00-0042	EA		1-5/8" Channel, P2676 Unistrut Beam Clamp.....	31.77	8.16
	05 43 00 00-0043	EA		Add For Unistrut Swivel Nut, P2676.....	4.06	
	05 43 00 00-0044			Beam Clamp Clevis Hangers For Unistrut Channel (05 43)		
	05 43 00 00-0045	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	26.90	8.16
	05 43 00 00-0046	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	32.84	8.16
	05 43 00 00-0047	EA		Add For Unistrut Swivel Nut.....	4.06	
	05 43 00 00-0048	EA		6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut.....	179.63	10.87
	05 43 00 00-0049			Pipe And Rigid Conduit Clamps (05 43)		
	05 43 00 00-0050			Pipe And Rigid Conduit Clamps (05 43 00 00-0049)		
				Note: Includes stainless steel (316) hardware.		
	05 43 00 00-0051	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.02	2.33
	05 43 00 00-0052	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.16	2.33
	05 43 00 00-0053	PR		1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.30	2.82
	05 43 00 00-0054	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.80	3.06
	05 43 00 00-0055	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.04	3.43
	05 43 00 00-0056	PR		2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.04	3.43
	05 43 00 00-0057	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.09	5.76
	05 43 00 00-0058	PR		3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	17.38	5.76
	05 43 00 00-0059	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	18.63	6.37
	05 43 00 00-0060	PR		4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	20.60	6.85

05	05 Metals
	05 40 Cold-Formed Metal Framing
	05 43 Slotted Channel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 43 00 00-0061	Pipe And Rigid Conduit Clamps <small>(05 43 00 00-0049)</small>		
	Note: Includes nylon hardware.		
05 43 00 00-0062	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.56	2.33
05 43 00 00-0063	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.98	2.33
05 43 00 00-0064	PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	13.12	2.82
05 43 00 00-0065	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	13.80	3.06
05 43 00 00-0066	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	18.85	3.43
05 43 00 00-0067	PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	18.85	3.43
05 43 00 00-0068	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	27.63	5.76
05 43 00 00-0069	PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	28.46	5.76
05 43 00 00-0070	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	29.89	6.37
05 43 00 00-0071	PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	33.41	6.85

05 43 00 00-0072	Accessories For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0073	EA Trolley Truck Hanger, 1-5/8" Channel P1834.....	58.81	8.16
05 43 00 00-0074	EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064.....	14.42	5.44
05 43 00 00-0075	EA 60 Degree Angle, 1-5/8" Channel P2097.....	15.12	5.44

05 43 00 00-0076	Bases For Unistrut Channel <small>(05 43)</small>		
05 43 00 00-0077	Steel Bases For Unistrut Channel <small>(05 43 00 00-0076)</small>		
	Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0078	EA 6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel.....	118.23	27.20
05 43 00 00-0079	EA 6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel.....	119.78	27.20
05 43 00 00-0080	EA 6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel.....	170.11	27.20
05 43 00 00-0081	EA 6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel.....	140.81	27.20

05 43 00 00-0082	Stainless Steel Bases For Unistrut Channel <small>(05 43 00 00-0076)</small>		
	Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0083	EA 6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	228.69	27.20
05 43 00 00-0084	EA 6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	416.86	27.20
05 43 00 00-0085	EA 6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel.....	317.12	27.20
05 43 00 00-0086	EA 6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel.....	469.33	27.20
05 43 00 00-0087	EA 6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel.....	412.46	27.20

05 45 Metal Support Assemblies (05 40)

- 05 45 13 Mechanical Metal Supports** (05 45)
See CSI section 23 05 29 00-0000 for metal supports.
- 05 45 16 Electrical Metal Supports** (05 45)
See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)

05 51 Metal Stairs (05 50)

- 05 51 13 Metal Pan Stairs** (05 51)
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001	Open Concrete Filled Metal Pan Stair And Landing <small>(05 51 13)</small>		
	Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,154.33	31.72
	For Closed Riser, Add	134.17	
05 51 13 00-0003	RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,311.05	37.01
	For Closed Riser, Add	152.25	
05 51 13 00-0004	RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	1,458.97	43.35
	For Closed Riser, Add	169.13	
05 51 13 00-0005	SF Concrete Filled Steel Pan Landing.....	84.19	5.28
	Note: Conventional shape.		

- 05 51 19 Metal Grating Stairs** (05 51)
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001	Open Steel Grating Tread Metal Stair And Landing <small>(05 51 19)</small>		
	Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR 3'-6" Wide Open Steel Grating Tread Metal Stair.....	552.43	42.30
	For Closed Riser, Add	67.16	
	For Galvanized Steel, Add	116.96	
05 51 19 00-0003	RSR 4'-0" Wide Open Steel Grating Tread Metal Stair.....	587.39	48.63
	For Closed Riser, Add	71.01	
	For Galvanized Steel, Add	122.53	
05 51 19 00-0004	RSR 5'-0" Wide Open Steel Grating Tread Metal Stair.....	648.86	57.10
	For Closed Riser, Add	78.07	
	For Galvanized Steel, Add	133.67	
05 51 19 00-0005	SF Steel Grating Landing With Framing And 2 Pipe Handrail.....	101.35	5.28
	Note: Conventional shape.		
	For Galvanized Steel, Add	20.05	



	Metals	05
	Metal Fabrications	05 50
	Metal Stairs	05 51

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 51 33 Metal Ladders (05 51)

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)**05 51 33 13-0001 Vertical Ladders (05 51 33 13)**

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VL 20" Wide Fixed Vertical Steel Ladder Primed	105.03	12.68
	For Galvanized Steel, Add	16.31	
	For Aluminum, Add	32.61	
05 51 33 13-0003	VL 24" Wide Fixed Vertical Steel Ladder Primed	121.56	12.68
	For Galvanized Steel, Add	20.44	
	For Aluminum, Add	40.88	
05 51 33 13-0004	VL 20" Wide Fixed Vertical Steel Caged Ladder Primed	256.86	21.15
	For Galvanized Steel, Add	47.37	
	For Aluminum, Add	94.73	
05 51 33 13-0005	VL 24" Wide Fixed Vertical Steel Caged Ladder Primed	289.91	21.15
	For Galvanized Steel, Add	55.63	
	For Aluminum, Add	111.26	

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51 33 13-0007	EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	440.51	39.65
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	90.30	
	For Aluminum, Add	180.61	
05 51 33 13-0008	EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	482.99	42.30
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	99.60	
	For Aluminum, Add	199.20	
05 51 33 13-0009	EA Security Cage Entry Gate With Lockable Hasp	542.87	13.22
05 51 33 13-0010	EA 6' Powder Coated, Security Ladder Guard	1,441.44	79.30
05 51 33 13-0011	EA 8' Powder Coated, Security Ladder Guard	1,725.50	92.51
05 51 33 13-0012	EA Safety Chain Attachment	265.50	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0015	EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,439.04	158.60
05 51 33 13-0016	EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,653.24	163.89
05 51 33 13-0017	EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,823.18	169.17
05 51 33 13-0018	EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,004.91	174.45
05 51 33 13-0019	EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,109.92	179.75
05 51 33 13-0020	EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,282.81	185.03
05 51 33 13-0021	EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,435.02	190.32
05 51 33 13-0022	EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,634.47	195.60
05 51 33 13-0023	EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,828.01	200.90
05 51 33 13-0024	EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,986.14	206.18
05 51 33 13-0025	EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,179.68	211.47
05 51 33 13-0026	EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,367.33	216.75
05 51 33 13-0027	EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,552.01	222.04
05 51 33 13-0028	EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,890.16	227.33
05 51 33 13-0029	EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,989.26	232.61
05 51 33 13-0030	EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,162.14	237.90
05 51 33 13-0031	EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,320.27	243.18
05 51 33 13-0032	EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,466.59	248.48
05 51 33 13-0033	EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,795.89	253.76
05 51 33 13-0034	EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,971.72	259.04
05 51 33 13-0035	EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	6,135.76	264.33

05 51 33 13-0036 Welded Stainless Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0037	EA 7-1/2' Length, Welded Stainless Steel Ladder Cage	6,195.79	158.60
05 51 33 13-0038	EA 8-1/2' Length, Welded Stainless Steel Ladder Cage	6,622.47	163.89
05 51 33 13-0039	EA 9-1/2' Length, Welded Stainless Steel Ladder Cage	7,335.41	169.17
05 51 33 13-0040	EA 10-1/2' Length, Welded Stainless Steel Ladder Cage	7,685.35	174.45
05 51 33 13-0041	EA 11-1/2' Length, Welded Stainless Steel Ladder Cage	7,979.23	179.75
05 51 33 13-0042	EA 12-1/2' Length, Welded Stainless Steel Ladder Cage	8,370.50	185.03
05 51 33 13-0043	EA 13-1/2' Length, Welded Stainless Steel Ladder Cage	9,077.52	190.32
05 51 33 13-0044	EA 14-1/2' Length, Welded Stainless Steel Ladder Cage	9,433.38	195.60
05 51 33 13-0045	EA 15-1/2' Length, Welded Stainless Steel Ladder Cage	9,801.03	200.90
05 51 33 13-0046	EA 16-1/2' Length, Welded Stainless Steel Ladder Cage	10,204.11	206.18
05 51 33 13-0047	EA 17-1/2' Length, Welded Stainless Steel Ladder Cage	10,925.89	211.47
05 51 33 13-0048	EA 18-1/2' Length, Welded Stainless Steel Ladder Cage	11,284.70	216.75
05 51 33 13-0049	EA 19-1/2' Length, Welded Stainless Steel Ladder Cage	11,625.80	222.04
05 51 33 13-0050	EA 20-1/2' Length, Welded Stainless Steel Ladder Cage	12,194.14	227.33
05 51 33 13-0051	EA 21-1/2' Length, Welded Stainless Steel Ladder Cage	12,833.28	232.61
05 51 33 13-0052	EA 22-1/2' Length, Welded Stainless Steel Ladder Cage	13,186.18	237.90
05 51 33 13-0053	EA 23-1/2' Length, Welded Stainless Steel Ladder Cage	13,547.94	243.18

05	05	Metals
	05 50	Metal Fabrications
	05 51	Metal Stairs



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage.....	13,886.08	248.48
	05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage.....	14,761.33	253.76
	05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage.....	15,099.48	259.04
	05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage.....	15,446.48	264.33

05 51 33 16 Inclined Metal Ladders (05 51 33)

05 51 33 16-0001			Industrial Ship Ladder, Incline Stairs (05 51 33 16) Note: Includes factory prime.		
05 51 33 16-0002	RSR		3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side..... <i>For Aluminum, Add</i>	385.75 140.01	52.86

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001			Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002	EA		4' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	2,746.42 266.13 -221.78	158.60
05 51 33 23-0003	EA		5' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	3,158.11 324.28 -252.93	168.12
05 51 33 23-0004	EA		6' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	3,525.23 384.97 -281.33	168.12
05 51 33 23-0005	EA		7' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	4,005.77 445.62 -305.33	211.25
05 51 33 23-0006	EA		8' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	4,412.53 515.67 -331.50	218.74
05 51 33 23-0007	EA		9' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	4,736.92 581.12 -350.68	218.74
05 51 33 23-0008	EA		10' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	5,198.04 657.71 -372.70	244.00
05 51 33 23-0009	EA		11' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	5,561.49 735.96 -391.72	244.00
05 51 33 23-0010	EA		12' Vertical Height Aluminum Alternating Tread Ladder <i>For Stainless Steel, Add</i> <i>For Primed Steel, Deduct</i>	5,844.26 804.95 -402.47	244.00

05 52 Metal Railings (05 50)

05 52 13 Pipe and Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001			Welded Steel Pipe Railing (05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002			One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001) Note: Includes factory primed posts and one rail.		
05 52 13 00-0003	LF		1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing..... <i>For Schedule 80 Handrail, Add</i> <i>For 11 Gauge A513 Steel Tubing, Deduct</i> <i>For 12 Gauge A513 Steel Tubing, Deduct</i> <i>For 14 Gauge A513 Steel Tubing, Deduct</i> <i>For 16 Gauge A513 Steel Tubing, Deduct</i> <i>For ADA Handrail P-Loop End Return, Add Per Each</i> <i>For Additional Off Set Handrail, ADA Attachment, Add</i> <i>For Aluminum, Satin Finish, Add</i> <i>For Aluminum, Clear Anodized Finish, Add</i> <i>For Aluminum, Dark Anodized Finish, Add</i> <i>For Galvanizing, Add</i> <i>For Wrought Iron, Add</i> <i>For Solid Steel Rails, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For 2" Wheel Guard, Add</i> <i>For 4" High Kick Plate, Add</i> <i>For 6" High Kick Plate, Add</i> <i>For Curved Rail, Add</i> <i>For Mounting On Stairs, Add</i> <i>For Mounting On Slopes, Add</i> <i>For Post Base Flange With Screws, Add Per Post</i> <i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i> <i>For Custom Design Or Shapes (Square Tops, etc), Add</i> <i>For Nylon Coating, Add</i>	37.65 8.17 -3.63 -4.13 -5.45 -6.44 59.23 14.13 6.93 10.73 12.38 6.60 3.77 7.53 52.80 59.40 1.57 2.06 3.30 16.25 11.30 3.77 19.62 29.67 13.54 2.48	10.57



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004 LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	40.49	10.57
For Schedule 80 Handrail, Add	14.17	
For 11 Gauge A513 Steel Tubing, Deduct	-4.25	
For 12 Gauge A513 Steel Tubing, Deduct	-4.84	
For 14 Gauge A513 Steel Tubing, Deduct	-6.38	
For 16 Gauge A513 Steel Tubing, Deduct	-7.54	
For ADA Handrail P-Loop End Return, Add Per Each	74.69	
For Additional Off Set Handrail, ADA Attachment, Add	15.84	
For Aluminum, Satin Finish, Add	8.12	
For Aluminum, Clear Anodized Finish, Add	12.57	
For Aluminum, Dark Anodized Finish, Add	14.51	
For Galvanizing, Add	7.74	
For Wrought Iron, Add	4.05	
For Solid Steel Rails, Add	8.10	
For 304 Stainless Steel, Add	61.89	
For 316 Stainless Steel, Add	69.62	
For 2" Wheel Guard, Add	1.84	
For 4" High Kick Plate, Add	2.42	
For 6" High Kick Plate, Add	3.87	
For Curved Rail, Add	17.95	
For Mounting On Stairs, Add	12.15	
For Mounting On Slopes, Add	4.05	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
For Custom Design Or Shapes (Square Tops, etc), Add	14.96	
For Nylon Coating, Add	2.90	
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	43.34	10.57
For Schedule 80 Handrail, Add	14.17	
For 11 Gauge A513 Steel Tubing, Deduct	-4.88	
For 12 Gauge A513 Steel Tubing, Deduct	-5.55	
For 14 Gauge A513 Steel Tubing, Deduct	-7.32	
For 16 Gauge A513 Steel Tubing, Deduct	-8.65	
For ADA Handrail P-Loop End Return, Add Per Each	86.57	
For Additional Off Set Handrail, ADA Attachment, Add	17.54	
For Aluminum, Satin Finish, Add	9.32	
For Aluminum, Clear Anodized Finish, Add	14.42	
For Aluminum, Dark Anodized Finish, Add	16.64	
For Galvanizing, Add	8.88	
For Wrought Iron, Add	4.33	
For Solid Steel Rails, Add	8.67	
For 304 Stainless Steel, Add	71.01	
For 316 Stainless Steel, Add	79.88	
For 2" Wheel Guard, Add	2.11	
For 4" High Kick Plate, Add	2.77	
For 6" High Kick Plate, Add	4.44	
For Curved Rail, Add	19.66	
For Mounting On Stairs, Add	13.00	
For Mounting On Slopes, Add	4.33	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
For Custom Design Or Shapes (Square Tops, etc), Add	16.38	
For Nylon Coating, Add	3.33	
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	48.27	10.57
For Schedule 80 Handrail, Add	16.59	
For 11 Gauge A513 Steel Tubing, Deduct	-5.97	
For 12 Gauge A513 Steel Tubing, Deduct	-6.78	
For 14 Gauge A513 Steel Tubing, Deduct	-8.95	
For 16 Gauge A513 Steel Tubing, Deduct	-10.58	
For ADA Handrail P-Loop End Return, Add Per Each	110.18	
For Additional Off Set Handrail, ADA Attachment, Add	20.50	
For Aluminum, Satin Finish, Add	11.39	
For Aluminum, Clear Anodized Finish, Add	17.63	
For Aluminum, Dark Anodized Finish, Add	20.34	
For Galvanizing, Add	10.85	
For Wrought Iron, Add	4.83	
For Solid Steel Rails, Add	9.65	
For 304 Stainless Steel, Add	86.78	
For 316 Stainless Steel, Add	97.63	
For 2" Wheel Guard, Add	2.58	
For 4" High Kick Plate, Add	3.39	
For 6" High Kick Plate, Add	5.42	
For Curved Rail, Add	22.62	
For Mounting On Stairs, Add	14.48	
For Mounting On Slopes, Add	4.83	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
For Custom Design Or Shapes (Square Tops, etc), Add	18.85	
For Nylon Coating, Add	4.07	

05	05	Metals
	05 50	Metal Fabrications
	05 52	Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007 LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	54.18	10.57
For Schedule 80 Handrail, Add	19.04	
For 11 Gauge A513 Steel Tubing, Deduct	-7.27	
For 12 Gauge A513 Steel Tubing, Deduct	-8.26	
For 14 Gauge A513 Steel Tubing, Deduct	-10.90	
For 16 Gauge A513 Steel Tubing, Deduct	-12.88	
For ADA Handrail P-Loop End Return, Add Per Each	162.84	
For Additional Off Set Handrail, ADA Attachment, Add	24.05	
For Aluminum, Satin Finish, Add	13.87	
For Aluminum, Clear Anodized Finish, Add	21.47	
For Aluminum, Dark Anodized Finish, Add	24.77	
For Galvanizing, Add	13.21	
For Wrought Iron, Add	5.42	
For Solid Steel Rails, Add	10.84	
For 304 Stainless Steel, Add	105.70	
For 316 Stainless Steel, Add	118.91	
For 2" Wheel Guard, Add	3.14	
For 4" High Kick Plate, Add	4.13	
For 6" High Kick Plate, Add	6.61	
For Curved Rail, Add	26.16	
For Mounting On Stairs, Add	16.25	
For Mounting On Slopes, Add	5.42	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
For Custom Design Or Shapes (Square Tops, etc), Add	21.80	
For Nylon Coating, Add	4.95	
 05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small>		
Note: Includes factory primed posts and two rails.		
05 52 13 00-0009 LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	50.02	10.57
For Schedule 80 Handrail, Add	8.17	
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
For 11 Gauge A513 Steel Tubing, Deduct	-6.35	
For 12 Gauge A513 Steel Tubing, Deduct	-7.22	
For 14 Gauge A513 Steel Tubing, Deduct	-9.53	
For 16 Gauge A513 Steel Tubing, Deduct	-11.26	
For ADA Handrail P-Loop End Return, Add Per Each	59.23	
For Additional Off Set Handrail, ADA Attachment, Add	14.13	
For Aluminum, Satin Finish, Add	12.13	
For Aluminum, Clear Anodized Finish, Add	18.77	
For Aluminum, Dark Anodized Finish, Add	21.65	
For Galvanizing, Add	11.55	
For Wrought Iron, Add	5.00	
For Solid Steel Rails, Add	10.00	
For 304 Stainless Steel, Add	92.38	
For 316 Stainless Steel, Add	103.93	
For 2" Wheel Guard, Add	2.74	
For 4" High Kick Plate, Add	3.61	
For 6" High Kick Plate, Add	5.77	
For Curved Rail, Add	23.67	
For Mounting On Stairs, Add	15.01	
For Mounting On Slopes, Add	5.00	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
For Custom Design Or Shapes (Square Tops, etc), Add	19.72	
For Nylon Coating, Add	4.33	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010 LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	55.00	10.57
For Schedule 80 Handrail, Add	14.17	
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
For 11 Gauge A513 Steel Tubing, Deduct	-7.45	
For 12 Gauge A513 Steel Tubing, Deduct	-8.46	
For 14 Gauge A513 Steel Tubing, Deduct	-11.17	
For 16 Gauge A513 Steel Tubing, Deduct	-13.20	
For ADA Handrail P-Loop End Return, Add Per Each	74.69	
For Additional Off Set Handrail, ADA Attachment, Add	15.84	
For Aluminum, Satin Finish, Add	14.22	
For Aluminum, Clear Anodized Finish, Add	22.00	
For Aluminum, Dark Anodized Finish, Add	25.39	
For Galvanizing, Add	13.54	
For Wrought Iron, Add	5.50	
For Solid Steel Rails, Add	11.00	
For 304 Stainless Steel, Add	108.32	
For 316 Stainless Steel, Add	121.86	
For 2" Wheel Guard, Add	3.22	
For 4" High Kick Plate, Add	4.23	
For 6" High Kick Plate, Add	6.77	
For Curved Rail, Add	26.66	
For Mounting On Stairs, Add	16.50	
For Mounting On Slopes, Add	5.50	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
For Custom Design Or Shapes (Square Tops, etc), Add	22.21	
For Nylon Coating, Add	5.08	
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	59.97	10.57
For Schedule 80 Handrail, Add	14.17	
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
For 11 Gauge A513 Steel Tubing, Deduct	-8.54	
For 12 Gauge A513 Steel Tubing, Deduct	-9.71	
For 14 Gauge A513 Steel Tubing, Deduct	-12.81	
For 16 Gauge A513 Steel Tubing, Deduct	-15.14	
For ADA Handrail P-Loop End Return, Add Per Each	86.57	
For Additional Off Set Handrail, ADA Attachment, Add	17.54	
For Aluminum, Satin Finish, Add	16.30	
For Aluminum, Clear Anodized Finish, Add	25.23	
For Aluminum, Dark Anodized Finish, Add	29.12	
For Galvanizing, Add	15.53	
For Wrought Iron, Add	6.00	
For Solid Steel Rails, Add	11.99	
For 304 Stainless Steel, Add	124.22	
For 316 Stainless Steel, Add	139.75	
For 2" Wheel Guard, Add	3.69	
For 4" High Kick Plate, Add	4.85	
For 6" High Kick Plate, Add	7.76	
For Curved Rail, Add	29.64	
For Mounting On Stairs, Add	17.99	
For Mounting On Slopes, Add	6.00	
For Post Base Flange With Screws, Add Per Post	19.62	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
For Custom Design Or Shapes (Square Tops, etc), Add	24.70	
For Nylon Coating, Add	5.82	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0012	LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	68.59	10.57
	For Schedule 80 Handrail, Add	16.59	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.15	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	89.24	
	For 11 Gauge A513 Steel Tubing, Deduct	-10.44	
	For 12 Gauge A513 Steel Tubing, Deduct	-11.86	
	For 14 Gauge A513 Steel Tubing, Deduct	-15.66	
	For 16 Gauge A513 Steel Tubing, Deduct	-18.50	
	For ADA Handrail P-Loop End Return, Add Per Each	110.18	
	For Additional Off Set Handrail, ADA Attachment, Add	20.50	
	For Aluminum, Satin Finish, Add	19.92	
	For Aluminum, Clear Anodized Finish, Add	30.84	
	For Aluminum, Dark Anodized Finish, Add	35.58	
	For Galvanizing, Add	18.98	
	For Wrought Iron, Add	6.86	
	For Solid Steel Rails, Add	13.72	
	For 304 Stainless Steel, Add	151.81	
	For 316 Stainless Steel, Add	170.78	
	For 2" Wheel Guard, Add	4.51	
	For 4" High Kick Plate, Add	5.93	
	For 6" High Kick Plate, Add	9.49	
	For Curved Rail, Add	34.81	
	For Mounting On Stairs, Add	20.58	
	For Mounting On Slopes, Add	6.86	
	For Post Base Flange With Screws, Add Per Post	19.62	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
	For Custom Design Or Shapes (Square Tops, etc), Add	29.01	
	For Nylon Coating, Add	7.12	
05 52 13 00-0013	LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	78.93	10.57
	For Schedule 80 Handrail, Add	19.04	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.15	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	89.24	
	For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	135.58	
	For 11 Gauge A513 Steel Tubing, Deduct	-12.71	
	For 12 Gauge A513 Steel Tubing, Deduct	-14.45	
	For 14 Gauge A513 Steel Tubing, Deduct	-19.07	
	For 16 Gauge A513 Steel Tubing, Deduct	-22.53	
	For ADA Handrail P-Loop End Return, Add Per Each	162.84	
	For Additional Off Set Handrail, ADA Attachment, Add	24.05	
	For Aluminum, Satin Finish, Add	24.27	
	For Aluminum, Clear Anodized Finish, Add	37.56	
	For Aluminum, Dark Anodized Finish, Add	43.34	
	For Galvanizing, Add	23.11	
	For Wrought Iron, Add	7.89	
	For Solid Steel Rails, Add	15.79	
	For 304 Stainless Steel, Add	184.90	
	For 316 Stainless Steel, Add	208.01	
	For 2" Wheel Guard, Add	5.49	
	For 4" High Kick Plate, Add	7.22	
	For 6" High Kick Plate, Add	11.56	
	For Curved Rail, Add	41.01	
	For Mounting On Stairs, Add	23.68	
	For Mounting On Slopes, Add	7.89	
	For Post Base Flange With Screws, Add Per Post	19.62	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.67	
	For Custom Design Or Shapes (Square Tops, etc), Add	34.18	
	For Nylon Coating, Add	8.67	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
Note: Includes factory primed posts and three rails.



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	78.43	12.68
For Schedule 80 Handrail, Add	11.45	
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
For 11 Gauge A513 Steel Tubing, Deduct	-11.67	
For 12 Gauge A513 Steel Tubing, Deduct	-13.26	
For 14 Gauge A513 Steel Tubing, Deduct	-17.51	
For 16 Gauge A513 Steel Tubing, Deduct	-20.69	
For ADA Handrail P-Loop End Return, Add Per Each	59.23	
For Additional Off Set Handrail, ADA Attachment, Add	14.98	
For Aluminum, Satin Finish, Add	22.28	
For Aluminum, Clear Anodized Finish, Add	34.48	
For Aluminum, Dark Anodized Finish, Add	39.79	
For Galvanizing, Add	21.22	
For Wrought Iron, Add	7.84	
For Solid Steel Rails, Add	15.69	
For 304 Stainless Steel, Add	169.76	
For 316 Stainless Steel, Add	190.98	
For 2" Wheel Guard, Add	5.04	
For 4" High Kick Plate, Add	6.63	
For 6" High Kick Plate, Add	10.61	
For Curved Rail, Add	39.44	
For Mounting On Stairs, Add	23.53	
For Mounting On Slopes, Add	7.84	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	32.87	
For Nylon Coating, Add	7.96	
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	87.56	12.68
For Schedule 80 Handrail, Add	19.45	
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
For 11 Gauge A513 Steel Tubing, Deduct	-13.68	
For 12 Gauge A513 Steel Tubing, Deduct	-15.55	
For 14 Gauge A513 Steel Tubing, Deduct	-20.52	
For 16 Gauge A513 Steel Tubing, Deduct	-24.25	
For ADA Handrail P-Loop End Return, Add Per Each	74.69	
For Additional Off Set Handrail, ADA Attachment, Add	16.69	
For Aluminum, Satin Finish, Add	26.12	
For Aluminum, Clear Anodized Finish, Add	40.42	
For Aluminum, Dark Anodized Finish, Add	46.64	
For Galvanizing, Add	24.87	
For Wrought Iron, Add	8.76	
For Solid Steel Rails, Add	17.51	
For 304 Stainless Steel, Add	198.98	
For 316 Stainless Steel, Add	223.85	
For 2" Wheel Guard, Add	5.91	
For 4" High Kick Plate, Add	7.77	
For 6" High Kick Plate, Add	12.44	
For Curved Rail, Add	44.92	
For Mounting On Stairs, Add	26.27	
For Mounting On Slopes, Add	8.76	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	37.44	
For Nylon Coating, Add	9.33	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0017	LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	96.69	12.68
	For Schedule 80 Handrail, Add	19.45	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
	For 11 Gauge A513 Steel Tubing, Deduct	-15.69	
	For 12 Gauge A513 Steel Tubing, Deduct	-17.83	
	For 14 Gauge A513 Steel Tubing, Deduct	-23.53	
	For 16 Gauge A513 Steel Tubing, Deduct	-27.81	
	For ADA Handrail P-Loop End Return, Add Per Each	86.57	
	For Additional Off Set Handrail, ADA Attachment, Add	18.39	
	For Aluminum, Satin Finish, Add	29.95	
	For Aluminum, Clear Anodized Finish, Add	46.35	
	For Aluminum, Dark Anodized Finish, Add	53.48	
	For Galvanizing, Add	28.52	
	For Wrought Iron, Add	9.67	
	For Solid Steel Rails, Add	19.34	
	For 304 Stainless Steel, Add	228.19	
	For 316 Stainless Steel, Add	256.72	
	For 2" Wheel Guard, Add	6.77	
	For 4" High Kick Plate, Add	8.91	
	For 6" High Kick Plate, Add	14.26	
	For Curved Rail, Add	50.40	
	For Mounting On Stairs, Add	29.01	
	For Mounting On Slopes, Add	9.67	
	For Post Base Flange With Screws, Add Per Post	20.04	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
	For Custom Design Or Shapes (Square Tops, etc), Add	42.00	
	For Nylon Coating, Add	10.70	
05 52 13 00-0018	LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	112.57	12.68
	For Schedule 80 Handrail, Add	22.68	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.15	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	89.24	
	For 11 Gauge A513 Steel Tubing, Deduct	-19.18	
	For 12 Gauge A513 Steel Tubing, Deduct	-21.80	
	For 14 Gauge A513 Steel Tubing, Deduct	-28.77	
	For 16 Gauge A513 Steel Tubing, Deduct	-34.00	
	For ADA Handrail P-Loop End Return, Add Per Each	110.18	
	For Additional Off Set Handrail, ADA Attachment, Add	21.35	
	For Aluminum, Satin Finish, Add	36.62	
	For Aluminum, Clear Anodized Finish, Add	56.67	
	For Aluminum, Dark Anodized Finish, Add	65.39	
	For Galvanizing, Add	34.88	
	For Wrought Iron, Add	11.26	
	For Solid Steel Rails, Add	22.51	
	For 304 Stainless Steel, Add	279.01	
	For 316 Stainless Steel, Add	313.88	
	For 2" Wheel Guard, Add	8.28	
	For 4" High Kick Plate, Add	10.90	
	For 6" High Kick Plate, Add	17.44	
	For Curved Rail, Add	59.93	
	For Mounting On Stairs, Add	33.77	
	For Mounting On Slopes, Add	11.26	
	For Post Base Flange With Screws, Add Per Post	20.04	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
	For Custom Design Or Shapes (Square Tops, etc), Add	49.94	
	For Nylon Coating, Add	13.08	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019 LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	131.47	12.68
For Schedule 80 Handrail, Add	25.95	
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.15	
For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	89.24	
For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	135.58	
For 11 Gauge A513 Steel Tubing, Deduct	-23.34	
For 12 Gauge A513 Steel Tubing, Deduct	-26.52	
For 14 Gauge A513 Steel Tubing, Deduct	-35.01	
For 16 Gauge A513 Steel Tubing, Deduct	-41.38	
For ADA Handrail P-Loop End Return, Add Per Each	162.84	
For Additional Off Set Handrail, ADA Attachment, Add	24.90	
For Aluminum, Satin Finish, Add	44.56	
For Aluminum, Clear Anodized Finish, Add	68.96	
For Aluminum, Dark Anodized Finish, Add	79.57	
For Galvanizing, Add	42.44	
For Wrought Iron, Add	13.15	
For Solid Steel Rails, Add	26.29	
For 304 Stainless Steel, Add	339.49	
For 316 Stainless Steel, Add	381.92	
For 2" Wheel Guard, Add	10.08	
For 4" High Kick Plate, Add	13.26	
For 6" High Kick Plate, Add	21.22	
For Curved Rail, Add	71.27	
For Mounting On Stairs, Add	39.44	
For Mounting On Slopes, Add	13.15	
For Post Base Flange With Screws, Add Per Post	20.04	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.31	
For Custom Design Or Shapes (Square Tops, etc), Add	59.39	
For Nylon Coating, Add	15.91	
05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and four rails.		
05 52 13 00-0021 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	94.70	14.80
For Schedule 80 Handrail, Add	14.98	
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
For 11 Gauge A513 Steel Tubing, Deduct	-14.32	
For 12 Gauge A513 Steel Tubing, Deduct	-16.28	
For 14 Gauge A513 Steel Tubing, Deduct	-21.48	
For 16 Gauge A513 Steel Tubing, Deduct	-25.39	
For ADA Handrail P-Loop End Return, Add Per Each	59.23	
For Additional Off Set Handrail, ADA Attachment, Add	15.82	
For Aluminum, Satin Finish, Add	27.34	
For Aluminum, Clear Anodized Finish, Add	42.32	
For Aluminum, Dark Anodized Finish, Add	48.83	
For Galvanizing, Add	26.04	
For Wrought Iron, Add	9.47	
For Solid Steel Rails, Add	18.94	
For 304 Stainless Steel, Add	208.32	
For 316 Stainless Steel, Add	234.36	
For 2" Wheel Guard, Add	6.18	
For 4" High Kick Plate, Add	8.14	
For 6" High Kick Plate, Add	13.02	
For Curved Rail, Add	47.94	
For Mounting On Stairs, Add	28.41	
For Mounting On Slopes, Add	9.47	
For Post Base Flange With Screws, Add Per Post	20.46	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.94	
For Custom Design Or Shapes (Square Tops, etc), Add	39.95	
For Nylon Coating, Add	9.77	



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 52 13 00-0022	LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	102.81	14.80
	For Schedule 80 Handrail, Add	24.97	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 11 Gauge A513 Steel Tubing, Deduct	-16.11	
	For 12 Gauge A513 Steel Tubing, Deduct	-18.30	
	For 14 Gauge A513 Steel Tubing, Deduct	-24.16	
	For 16 Gauge A513 Steel Tubing, Deduct	-28.55	
	For ADA Handrail P-Loop End Return, Add Per Each	74.69	
	For Additional Off Set Handrail, ADA Attachment, Add	17.53	
	For Aluminum, Satin Finish, Add	30.75	
	For Aluminum, Clear Anodized Finish, Add	47.59	
	For Aluminum, Dark Anodized Finish, Add	54.91	
	For Galvanizing, Add	29.28	
	For Wrought Iron, Add	10.28	
	For Solid Steel Rails, Add	20.56	
	For 304 Stainless Steel, Add	234.27	
	For 316 Stainless Steel, Add	263.56	
	For 2" Wheel Guard, Add	6.95	
	For 4" High Kick Plate, Add	9.15	
	For 6" High Kick Plate, Add	14.64	
	For Curved Rail, Add	52.81	
	For Mounting On Stairs, Add	30.84	
	For Mounting On Slopes, Add	10.28	
	For Post Base Flange With Screws, Add Per Post	20.46	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.94	
	For Custom Design Or Shapes (Square Tops, etc), Add	44.01	
	For Nylon Coating, Add	10.98	
05 52 13 00-0023	LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	110.92	14.80
	For Schedule 80 Handrail, Add	24.97	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
	For 11 Gauge A513 Steel Tubing, Deduct	-17.89	
	For 12 Gauge A513 Steel Tubing, Deduct	-20.33	
	For 14 Gauge A513 Steel Tubing, Deduct	-26.84	
	For 16 Gauge A513 Steel Tubing, Deduct	-31.71	
	For ADA Handrail P-Loop End Return, Add Per Each	86.57	
	For Additional Off Set Handrail, ADA Attachment, Add	19.23	
	For Aluminum, Satin Finish, Add	34.15	
	For Aluminum, Clear Anodized Finish, Add	52.86	
	For Aluminum, Dark Anodized Finish, Add	60.99	
	For Galvanizing, Add	32.53	
	For Wrought Iron, Add	11.09	
	For Solid Steel Rails, Add	22.18	
	For 304 Stainless Steel, Add	260.22	
	For 316 Stainless Steel, Add	292.75	
	For 2" Wheel Guard, Add	7.73	
	For 4" High Kick Plate, Add	10.17	
	For 6" High Kick Plate, Add	16.26	
	For Curved Rail, Add	57.67	
	For Mounting On Stairs, Add	33.28	
	For Mounting On Slopes, Add	11.09	
	For Post Base Flange With Screws, Add Per Post	20.46	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.94	
	For Custom Design Or Shapes (Square Tops, etc), Add	48.06	
	For Nylon Coating, Add	12.20	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0024	LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	128.99	14.80
	For Schedule 80 Handrail, Add	29.01	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.15	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	89.24	
	For 11 Gauge A513 Steel Tubing, Deduct	-21.87	
	For 12 Gauge A513 Steel Tubing, Deduct	-24.85	
	For 14 Gauge A513 Steel Tubing, Deduct	-32.80	
	For 16 Gauge A513 Steel Tubing, Deduct	-38.76	
	For ADA Handrail P-Loop End Return, Add Per Each	110.18	
	For Additional Off Set Handrail, ADA Attachment, Add	22.19	
	For Aluminum, Satin Finish, Add	41.74	
	For Aluminum, Clear Anodized Finish, Add	64.60	
	For Aluminum, Dark Anodized Finish, Add	74.54	
	For Galvanizing, Add	39.76	
	For Wrought Iron, Add	12.90	
	For Solid Steel Rails, Add	25.80	
	For 304 Stainless Steel, Add	318.05	
	For 316 Stainless Steel, Add	357.80	
	For 2" Wheel Guard, Add	9.44	
	For 4" High Kick Plate, Add	12.42	
	For 6" High Kick Plate, Add	19.88	
	For Curved Rail, Add	68.51	
	For Mounting On Stairs, Add	38.70	
	For Mounting On Slopes, Add	12.90	
	For Post Base Flange With Screws, Add Per Post	20.46	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.94	
	For Custom Design Or Shapes (Square Tops, etc), Add	57.10	
	For Nylon Coating, Add	14.91	
05 52 13 00-0025	LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	150.16	14.80
	For Schedule 80 Handrail, Add	33.10	
	For 1/2" Diameter Pickets, >2" To 3" On Center, Add	49.30	
	For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	36.32	
	For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	23.35	
	For 3/4" Diameter Pickets, >2" To 3" On Center, Add	61.91	
	For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	45.62	
	For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	29.33	
	For 1" Diameter Pickets, >2" To 3" On Center, Add	86.96	
	For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	64.08	
	For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	41.19	
	For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	86.77	
	For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	59.43	
	For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	101.76	
	For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	69.07	
	For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.15	
	For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	89.24	
	For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	135.58	
	For 11 Gauge A513 Steel Tubing, Deduct	-26.52	
	For 12 Gauge A513 Steel Tubing, Deduct	-30.14	
	For 14 Gauge A513 Steel Tubing, Deduct	-39.78	
	For 16 Gauge A513 Steel Tubing, Deduct	-47.02	
	For ADA Handrail P-Loop End Return, Add Per Each	162.84	
	For Additional Off Set Handrail, ADA Attachment, Add	25.74	
	For Aluminum, Satin Finish, Add	50.64	
	For Aluminum, Clear Anodized Finish, Add	78.36	
	For Aluminum, Dark Anodized Finish, Add	90.42	
	For Galvanizing, Add	48.22	
	For Wrought Iron, Add	15.02	
	For Solid Steel Rails, Add	30.03	
	For 304 Stainless Steel, Add	385.79	
	For 316 Stainless Steel, Add	434.02	
	For 2" Wheel Guard, Add	11.45	
	For 4" High Kick Plate, Add	15.07	
	For 6" High Kick Plate, Add	24.11	
	For Curved Rail, Add	81.22	
	For Mounting On Stairs, Add	45.05	
	For Mounting On Slopes, Add	15.02	
	For Post Base Flange With Screws, Add Per Post	20.46	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.94	
	For Custom Design Or Shapes (Square Tops, etc), Add	67.68	
	For Nylon Coating, Add	18.08	

05 52 13 00-0026 Railing Infill Panels (05 52 13)
 Note: Includes field welds and touch-up of welds.

05	05 Metals
	05 50 Metal Fabrications
	05 52 Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0027	Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
	Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	14.97	
05 52 13 00-0029	SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.90	
05 52 13 00-0030	SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.71	
05 52 13 00-0031	SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	28.26	
05 52 13 00-0032	Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0033	SF Powder Coated Steel, Perforated Metal, Railing Infill Panel	14.68	
05 52 13 00-0034	SF Galvanized Steel, Perforated Metal, Railing Infill Panel	15.18	
05 52 13 00-0035	SF Aluminum, Perforated Metal, Railing Infill Panel	16.25	
05 52 13 00-0036	SF Stainless Steel, Perforated Metal, Railing Infill Panel	32.61	
05 52 13 00-0037	Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0038	SF Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.62	
05 52 13 00-0039	SF Galvanized Steel, Expanded Metal, Railing Infill Panel	13.53	
05 52 13 00-0040	SF Aluminum, Expanded Metal, Railing Infill Panel.....	17.77	
05 52 13 00-0041	SF Stainless Steel, Expanded Metal, Railing Infill Panel.....	26.50	
05 52 13 00-0042	Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
	Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.96	6.35
	For Schedule 80 Handrail, Add	3.70	
	For 11 Gauge A513 Steel Tubing, Deduct	-4.86	
	For 12 Gauge A513 Steel Tubing, Deduct	-5.53	
	For 14 Gauge A513 Steel Tubing, Deduct	-7.29	
	For 16 Gauge A513 Steel Tubing, Deduct	-8.62	
	For Stainless Steel, Add	44.20	
	For Aluminum, Satin Finish, Add	9.28	
	For Curved Rail, Add	11.39	
	For Aluminum, Clear Anodized Finish, Add	14.37	
	For Aluminum, Dark Anodized Finish, Add	16.58	
	For Galvanized Finish, Add	6.63	
05 52 13 00-0044	LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.67	6.35
	For Schedule 80 Handrail, Add	4.68	
	For 11 Gauge A513 Steel Tubing, Deduct	-5.02	
	For 12 Gauge A513 Steel Tubing, Deduct	-5.70	
	For 14 Gauge A513 Steel Tubing, Deduct	-7.53	
	For 16 Gauge A513 Steel Tubing, Deduct	-8.90	
	For Stainless Steel, Add	45.62	
	For Aluminum, Satin Finish, Add	9.58	
	For Curved Rail, Add	11.60	
	For Aluminum, Clear Anodized Finish, Add	14.83	
	For Aluminum, Dark Anodized Finish, Add	17.11	
	For Galvanized Finish, Add	6.84	
05 52 13 00-0045	LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.39	6.35
	For Schedule 80 Handrail, Add	18.02	
	For 11 Gauge A513 Steel Tubing, Deduct	-5.18	
	For 12 Gauge A513 Steel Tubing, Deduct	-5.88	
	For 14 Gauge A513 Steel Tubing, Deduct	-7.76	
	For 16 Gauge A513 Steel Tubing, Deduct	-9.18	
	For Stainless Steel, Add	47.06	
	For Aluminum, Satin Finish, Add	9.88	
	For Curved Rail, Add	11.82	
	For Aluminum, Clear Anodized Finish, Add	15.29	
	For Aluminum, Dark Anodized Finish, Add	17.65	
	For Galvanized Finish, Add	7.06	
05 52 13 00-0046	LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	47.58	6.35
	For Schedule 80 Handrail, Add	6.50	
	For 11 Gauge A513 Steel Tubing, Deduct	-6.98	
	For 12 Gauge A513 Steel Tubing, Deduct	-7.93	
	For 14 Gauge A513 Steel Tubing, Deduct	-10.47	
	For 16 Gauge A513 Steel Tubing, Deduct	-12.37	
	For Stainless Steel, Add	63.44	
	For Aluminum, Satin Finish, Add	13.32	
	For Curved Rail, Add	14.27	
	For Aluminum, Clear Anodized Finish, Add	20.62	
	For Aluminum, Dark Anodized Finish, Add	23.79	
	For Galvanized Finish, Add	9.52	
05 52 13 00-0047	LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	54.36	6.35
	For Schedule 80 Handrail, Add	7.32	
	For 11 Gauge A513 Steel Tubing, Deduct	-8.47	
	For 12 Gauge A513 Steel Tubing, Deduct	-9.63	
	For 14 Gauge A513 Steel Tubing, Deduct	-12.71	
	For 16 Gauge A513 Steel Tubing, Deduct	-15.02	
	For Stainless Steel, Add	77.00	
	For Aluminum, Satin Finish, Add	16.17	
	For Curved Rail, Add	16.31	
	For Aluminum, Clear Anodized Finish, Add	25.03	
	For Aluminum, Dark Anodized Finish, Add	28.88	
	For Galvanized Finish, Add	11.55	



	Metals	05	
	Metal Fabrications	05 50	05
	Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel
Pipe Railings** (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0049	LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	46.34	6.66
	For Schedule 80 Handrail, Add	3.70	
	For 11 Gauge A513 Steel Tubing, Deduct	-6.71	
	For 12 Gauge A513 Steel Tubing, Deduct	-7.62	
	For 14 Gauge A513 Steel Tubing, Deduct	-10.06	
	For 16 Gauge A513 Steel Tubing, Deduct	-11.89	
	For Stainless Steel, Add	60.96	
	For Aluminum, Satin Finish, Add	12.80	
	For Curved Rail, Add	13.90	
	For Aluminum, Clear Anodized Finish, Add	19.81	
	For Aluminum, Dark Anodized Finish, Add	22.86	
	For Galvanized Finish, Add	9.14	
05 52 13 00-0050	LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.34	6.66
	For Schedule 80 Handrail, Add	4.68	
	For 11 Gauge A513 Steel Tubing, Deduct	-6.93	
	For 12 Gauge A513 Steel Tubing, Deduct	-7.87	
	For 14 Gauge A513 Steel Tubing, Deduct	-10.39	
	For 16 Gauge A513 Steel Tubing, Deduct	-12.28	
	For Stainless Steel, Add	62.96	
	For Aluminum, Satin Finish, Add	13.22	
	For Curved Rail, Add	14.20	
	For Aluminum, Clear Anodized Finish, Add	20.46	
	For Aluminum, Dark Anodized Finish, Add	23.61	
	For Galvanized Finish, Add	9.44	
05 52 13 00-0051	LF 1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.08	6.66
	For Schedule 80 Handrail, Add	18.02	
	For 11 Gauge A513 Steel Tubing, Deduct	-7.09	
	For 12 Gauge A513 Steel Tubing, Deduct	-8.06	
	For 14 Gauge A513 Steel Tubing, Deduct	-10.63	
	For 16 Gauge A513 Steel Tubing, Deduct	-12.57	
	For Stainless Steel, Add	64.44	
	For Aluminum, Satin Finish, Add	13.53	
	For Curved Rail, Add	14.42	
	For Aluminum, Clear Anodized Finish, Add	20.94	
	For Aluminum, Dark Anodized Finish, Add	24.17	
	For Galvanized Finish, Add	9.67	
05 52 13 00-0052	LF 2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	59.53	6.66
	For Schedule 80 Handrail, Add	6.50	
	For 11 Gauge A513 Steel Tubing, Deduct	-9.61	
	For 12 Gauge A513 Steel Tubing, Deduct	-10.92	
	For 14 Gauge A513 Steel Tubing, Deduct	-14.41	
	For 16 Gauge A513 Steel Tubing, Deduct	-17.03	
	For Stainless Steel, Add	87.34	
	For Aluminum, Satin Finish, Add	18.34	
	For Curved Rail, Add	17.86	
	For Aluminum, Clear Anodized Finish, Add	28.39	
	For Aluminum, Dark Anodized Finish, Add	32.75	
	For Galvanized Finish, Add	13.10	
05 52 13 00-0053	LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	67.01	6.66
	For Schedule 80 Handrail, Add	7.32	
	For 11 Gauge A513 Steel Tubing, Deduct	-11.25	
	For 12 Gauge A513 Steel Tubing, Deduct	-12.79	
	For 14 Gauge A513 Steel Tubing, Deduct	-16.88	
	For 16 Gauge A513 Steel Tubing, Deduct	-19.95	
	For Stainless Steel, Add	102.30	
	For Aluminum, Satin Finish, Add	21.48	
	For Curved Rail, Add	20.10	
	For Aluminum, Clear Anodized Finish, Add	33.25	
	For Aluminum, Dark Anodized Finish, Add	38.36	
	For Galvanized Finish, Add	15.35	

05 52 13 00-0054 Remove And Reinstall Pipe Railing (05 52 13)

05 52 13 00-0055	LF Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	23.79	
05 52 13 00-0056	LF Removal And Reinstallation Of Floor Mounted Pipe Railing	32.13	
05 52 13 00-0057	EA Install New Galvanized Steel Pipe Railing Bracket	64.63	
	For Stainless Steel, Add	65.82	

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05	05	Metals
	05 50	Metal Fabrications
	05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 53 13 00-0002	Steel, Welded Grating <small>(05 53 13 00-0001)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF 3/4" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	14.13 0.22 2.01 37.88 3.45 1.27 -1.86	1.17
05 53 13 00-0004	SF 3/4" x 3/16" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	19.01 0.22 2.84 53.54 4.87 1.80 -1.98	1.17
05 53 13 00-0005	SF 1" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	17.27 0.22 2.54 47.96 4.36 1.61 0.16 -1.93	1.17
05 53 13 00-0006	SF 1" x 3/16" Steel, Welded Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	23.90 0.22 3.67 69.24 6.30 2.33 0.16 -2.10	1.17
05 53 13 00-0007	SF 1" x 1/4" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	30.53 0.22 4.79 90.52 8.23 3.05 0.16 -2.27	1.17
05 53 13 00-0008	SF 1-1/4" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	20.44 0.22 3.08 58.13 5.29 1.96 0.16 -2.01	1.17
05 53 13 00-0009	SF 1-1/4" x 3/16" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	28.51 0.22 4.45 84.04 7.64 2.83 0.16 -2.22	1.17
05 53 13 00-0010	SF 1-1/2" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	23.62 0.22 3.62 68.34 6.22 2.30 0.16 -2.09	1.17
05 53 13 00-0011	SF 1-1/2" x 3/16" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	33.88 0.22 5.28 99.61 9.06 3.35 0.16 -2.69	1.43



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	43.97 0.22 6.99 132.00 12.01 4.44 0.16 -2.94	1.43
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	38.80 0.22 6.11 115.40 10.50 3.88 0.16 -2.81	1.43
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	43.41 0.22 6.90 130.20 11.84 4.38 0.16 -2.92	1.43
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	48.29 0.22 7.72 145.86 13.27 4.91 0.16 -3.05	1.43
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	52.90 0.22 8.51 160.66 14.61 5.41 0.16 -3.16	1.43
05 53 13 00-0017 Pressure Locked Grating <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018 Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	26.94 0.22 4.04 46.05 7.19 2.66 -2.18	1.17
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	33.22 0.22 5.07 57.80 9.02 3.34 -2.33	1.17
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	29.62 0.22 4.48 51.06 7.97 2.95 0.16 -2.24	1.17

05	05 Metals
	05 50 Metal Fabrications
	05 53 Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	40.41	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.25	
For 304 Stainless Steel, Add	71.25	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	55.22	
For Bearing Bars At 15/16" On-Center, Add	11.12	
For Crossbars At 2" On-Center, Add	4.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.51	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	33.22	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.07	
For 304 Stainless Steel, Add	57.80	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	9.02	
For Crossbars At 2" On-Center, Add	3.34	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.33	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	45.40	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.06	
For 304 Stainless Steel, Add	80.58	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	12.58	
For Crossbars At 2" On-Center, Add	4.65	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.64	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	36.99	1.17
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.68	
For 304 Stainless Steel, Add	64.85	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	10.12	
For Crossbars At 2" On-Center, Add	3.74	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.43	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	51.16	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.92	
For 304 Stainless Steel, Add	90.39	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	70.05	
For Bearing Bars At 15/16" On-Center, Add	14.11	
For Crossbars At 2" On-Center, Add	5.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.12	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	56.43	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	8.79	
For 304 Stainless Steel, Add	100.25	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	15.65	
For Crossbars At 2" On-Center, Add	5.79	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.25	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	60.72	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	9.49	
For 304 Stainless Steel, Add	108.27	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	16.90	
For Crossbars At 2" On-Center, Add	6.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.36	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	64.84	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	10.17	
For 304 Stainless Steel, Add	115.98	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	18.10	
For Crossbars At 2" On-Center, Add	6.69	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.46	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	68.40	1.43
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	10.75	
For 304 Stainless Steel, Add	122.64	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	19.14	
For Crossbars At 2" On-Center, Add	7.08	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.55	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)
 Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.



	Metals	05
	Metal Fabrications	05 50
	Metal Gratings	05 53

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	17.03 4.29 1.59 -1.93 2.21	1.17
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	23.06 6.05 2.24 -2.08 3.11	1.17
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	21.76 5.67 2.10 0.16 -2.05 2.91	1.17
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 7/16" On-Center, Add</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	29.55 39.47 7.95 2.94 0.16 -2.24 4.08	1.17
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	25.19 6.68 2.47 0.16 -2.13 3.43	1.17
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	33.68 9.15 3.39 0.16 -2.34 4.70	1.17
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	28.41 7.62 2.82 0.16 -2.21 3.91	1.17
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 7/16" On-Center, Add</i> <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	37.94 51.63 10.40 3.85 0.16 -2.45 5.34	1.17
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	42.02 11.59 4.29 0.16 -2.55 5.95	1.17
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	46.85 13.00 4.81 0.16 -2.67 6.68	1.17
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	50.64 14.11 5.22 0.16 -2.77 7.25	1.17
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	55.16 15.43 5.71 0.16 -2.88 7.92	1.17

05 53 13 00-0044

Swage Locked Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045

Steel, Swage Locked Grating (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 53 13 00-0046	SF 1" x 3/16" Steel, Swaged Grating.....	44.25	1.17
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	3.86	
	For 304 Stainless Steel, Add	69.50	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	26.83	
	For Crossbars At 2" On-Center, Add	3.35	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-2.61	
05 53 13 00-0047	SF 1-1/4" x 3/16" Steel, Swaged Grating.....	49.41	1.17
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	4.33	
	For 304 Stainless Steel, Add	78.06	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	30.13	
	For Crossbars At 2" On-Center, Add	3.77	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-2.74	
05 53 13 00-0048	SF 1-1/2" x 3/16" Steel, Swaged Grating.....	53.98	1.43
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	4.70	
	For 304 Stainless Steel, Add	84.77	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	32.72	
	For Crossbars At 2" On-Center, Add	4.09	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.19	
05 53 13 00-0049	SF 1-3/4" x 3/16" Steel, Swaged Grating.....	61.91	1.43
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	5.43	
	For 304 Stainless Steel, Add	97.92	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	37.80	
	For Crossbars At 2" On-Center, Add	4.72	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.39	
05 53 13 00-0050	SF 2" x 3/16" Steel, Swaged Grating.....	69.86	1.43
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	6.16	
	For 304 Stainless Steel, Add	111.10	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	42.89	
	For Crossbars At 2" On-Center, Add	5.36	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.58	
05 53 13 00-0051	SF 2-1/4" x 3/16" Steel, Swaged Grating.....	77.79	1.43
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	6.89	
	For 304 Stainless Steel, Add	124.25	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	47.96	
	For Crossbars At 2" On-Center, Add	6.00	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.78	
05 53 13 00-0052	SF 2-1/2" x 3/16" Steel, Swaged Grating.....	85.75	1.43
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	7.63	
	For 304 Stainless Steel, Add	137.45	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	53.06	
	For Crossbars At 2" On-Center, Add	6.63	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.98	
05 53 13 00-0053	Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044)		
	Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF 1" x 1/8" Aluminum, Swaged Grating.....	20.10	1.17
	For Bearing Bars At 15/16" On-Center, Add	11.37	
	For Crossbars At 2" On-Center, Add	1.42	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting, Deduct	-2.01	
	For Powder Coating, Add	2.67	
05 53 13 00-0055	SF 1" x 3/16" Aluminum, Swaged Grating.....	26.05	1.17
	For Bearing Bars At 15/16" On-Center, Add	15.18	
	For Crossbars At 2" On-Center, Add	1.90	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting, Deduct	-2.15	
	For Powder Coating, Add	3.56	
05 53 13 00-0056	SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	22.77	1.17
	For Bearing Bars At 15/16" On-Center, Add	13.08	
	For Crossbars At 2" On-Center, Add	1.64	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting, Deduct	-2.07	
	For Powder Coating, Add	3.07	



	Metals 05	
	Metal Fabrications 05 50	05
	Metal Gratings 05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	30.05 17.74 2.22 0.16 -2.25 4.16	1.17
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	25.94 15.11 1.89 0.16 -2.15 3.54	1.17
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	34.33 20.48 2.56 0.16 -2.36 4.80	1.17
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	39.27 23.64 2.96 0.16 -2.48 5.54	1.17
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	44.18 26.78 3.35 0.16 -2.61 6.28	1.17
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	49.11 29.94 3.74 0.16 -2.73 7.02	1.17
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	54.02 33.08 4.14 0.16 -2.85 7.75	1.17
05 53 13 00-0064			Riveted Grating <small>(05 53 13)</small> Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			Steel, Riveted Grating <small>(05 53 13 00-0064)</small> Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	84.32 0.22 3.94 70.43 28.29 -3.61	1.17
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	99.33 0.22 4.66 83.32 33.47 -3.99	1.17
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	91.23 0.22 4.27 76.37 30.67 0.16 -3.78	1.17
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	105.05 0.22 4.93 88.24 35.44 0.16 -4.13	1.17
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	96.95 0.22 4.54 81.28 32.64 0.16 -3.93	1.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating	115.70	1.17
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	5.44	
			<i>For 304 Stainless Steel, Add</i>	97.38	
			<i>For 5/8" Clear Opening, Add</i>	39.11	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.40	
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating	102.99	1.43
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	4.81	
			<i>For 304 Stainless Steel, Add</i>	86.02	
			<i>For 5/8" Clear Opening, Add</i>	34.55	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.41	
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating	123.02	1.43
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	5.77	
			<i>For 304 Stainless Steel, Add</i>	103.23	
			<i>For 5/8" Clear Opening, Add</i>	41.46	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.91	
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating	133.25	1.43
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	6.26	
			<i>For 304 Stainless Steel, Add</i>	112.01	
			<i>For 5/8" Clear Opening, Add</i>	44.99	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-5.17	
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating	156.08	1.43
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	7.36	
			<i>For 304 Stainless Steel, Add</i>	131.62	
			<i>For 5/8" Clear Opening, Add</i>	52.86	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-5.74	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	164.03	1.43
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	7.74	
			<i>For 304 Stainless Steel, Add</i>	138.45	
			<i>For 5/8" Clear Opening, Add</i>	55.61	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-5.94	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	171.12	1.43
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	8.08	
			<i>For 304 Stainless Steel, Add</i>	144.54	
			<i>For 5/8" Clear Opening, Add</i>	58.05	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-6.12	
05 53 13 00-0078			Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
			Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	42.90	1.17
			<i>For 5/8" Clear Opening, Add</i>	14.00	
			<i>For Powder Coating, Add</i>	6.09	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.58	
05 53 13 00-0080	SF		3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	50.93	1.17
			<i>For 5/8" Clear Opening, Add</i>	16.77	
			<i>For Powder Coating, Add</i>	7.29	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.78	
05 53 13 00-0081	SF		1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	47.19	1.17
			<i>For 5/8" Clear Opening, Add</i>	15.48	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	6.73	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.68	
05 53 13 00-0082	SF		1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	55.03	1.17
			<i>For 5/8" Clear Opening, Add</i>	18.18	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	7.91	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.88	
05 53 13 00-0083	SF		1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	52.93	1.17
			<i>For 5/8" Clear Opening, Add</i>	17.46	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	7.59	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.83	
05 53 13 00-0084	SF		1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	63.81	1.17
			<i>For 5/8" Clear Opening, Add</i>	21.21	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	9.22	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.10	
05 53 13 00-0085	SF		1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	56.85	1.17
			<i>For 5/8" Clear Opening, Add</i>	18.81	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	8.18	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.92	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	70.67	1.17
For 5/8" Clear Opening, Add	23.58	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.25	
For Set In Place Without Bolting, Deduct	-3.27	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	77.92	1.17
For 5/8" Clear Opening, Add	26.08	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	11.34	
For Set In Place Without Bolting, Deduct	-3.45	
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	92.80	1.17
For 5/8" Clear Opening, Add	31.21	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	13.57	
For Set In Place Without Bolting, Deduct	-3.82	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	101.25	1.17
For 5/8" Clear Opening, Add	34.13	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	14.84	
For Set In Place Without Bolting, Deduct	-4.03	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	112.57	1.17
For 5/8" Clear Opening, Add	38.03	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	16.54	
For Set In Place Without Bolting, Deduct	-4.32	

05 53 16 Plank Gratings (05 53)

05 53 16 00-0001 Grate-Lock Steel Plank Grating (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002 SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	17.68	0.90
For Stair Tread Application, Add	2.04	
05 53 16 00-0003 SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	18.86	1.11
For Stair Tread Application, Add	2.22	
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	19.88	1.22
For Stair Tread Application, Add	2.35	
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	21.72	1.32
For Stair Tread Application, Add	2.57	
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	21.53	1.00
For Stair Tread Application, Add	2.45	
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	22.90	1.22
For Stair Tread Application, Add	2.65	
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	26.44	1.17
For Stair Tread Application, Add	2.99	
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	28.13	1.43
For Stair Tread Application, Add	3.24	
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	30.10	1.80
For Stair Tread Application, Add	3.55	
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	33.22	2.01
For Stair Tread Application, Add	3.93	

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	22.46	1.37
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	25.80	1.37
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	32.53	1.37
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	43.63	1.48
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	55.69	1.58

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	30.10	1.17
For Powder Coating, Add	4.17	
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	34.54	1.37
For Powder Coating, Add	4.78	
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	38.99	1.48
For Powder Coating, Add	5.40	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	39.12	1.58
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	46.78	1.80
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	60.63	2.12

05 55 Metal Stair Treads and Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	72.99 15.44	7.02
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	80.37 17.29	7.02
05 55 13 00-0004 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	87.73 19.13	7.02
05 55 13 00-0005 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	95.14 20.98	7.02
05 55 13 00-0006 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	102.48 22.81	7.02
05 55 13 00-0007 Abrasive Cast Iron Stair Treads <small>(05 55 13)</small> Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	101.62	7.02
05 55 13 00-0009 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	112.56	7.02
05 55 13 00-0010 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	123.52	7.02
05 55 13 00-0011 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	134.45	7.02
05 55 13 00-0012 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	145.41	7.02
05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	38.46	7.02
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	45.15	7.02
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	48.10	7.02
05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	56.92	7.02
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.64	
<i>For Two Color Tread, Add</i>	3.48	
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	57.48	7.02
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.64	
<i>For Two Color Tread, Add</i>	3.48	
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	69.51	7.02
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.64	
<i>For Two Color Tread, Add</i>	3.48	
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	80.05	7.02
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.64	
<i>For Two Color Tread, Add</i>	3.48	
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	93.79	7.02
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.64	
<i>For Two Color Tread, Add</i>	3.48	
05 55 13 00-0023 Stair Landing Treads <small>(05 55 13)</small>		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads	102.48	7.02
<i>For 3/8" Thick, Add</i>	22.81	
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads	145.41	7.02
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	95.00	7.02
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.64	
05 55 13 00-0030 Open Cast Iron Stair Tread <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread	789.39	42.30
<i>For Closed Riser, Add</i>	67.77	
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread	882.89	48.63
<i>For Closed Riser, Add</i>	75.64	
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread	971.23	57.10
<i>For Closed Riser, Add</i>	83.13	
05 55 16 Metal Stair Nosings <small>(05 55)</small>		



Metals	05	05
Metal Fabrications	05 50	
Metal Stair Treads and Nosings	05 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0001 Abrasive Cast Aluminum Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	30.78	4.78
For 3/8" Thick, Add	5.78	
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	37.91	4.78
For 3/8" Thick, Add	7.57	
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	53.80	4.78
For 3/8" Thick, Add	11.54	
05 55 16 00-0005 Abrasive Cast Iron Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	35.99	4.78
For 3/8" Thick, Add	7.09	
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	44.76	4.78
For 3/8" Thick, Add	9.28	
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	62.11	4.78
For 3/8" Thick, Add	13.62	
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	25.95	4.78
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	29.39	4.78
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	32.01	4.78
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	40.17	4.78
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	26.88	4.78
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	29.81	4.78
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	32.71	4.78
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.95	4.78
05 56 Metal Castings <small>(05 50)</small>		
05 56 00 00-0001 Castings <small>(05 56)</small>		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section.....	6.12	0.53
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	10.70	0.42
05 58 Formed Metal Fabrications <small>(05 50)</small>		
05 58 16 Formed Metal Enclosures <small>(05 58)</small>		
05 58 16 00-0001 Drip Pan <small>(05 58 16)</small>		
05 58 16 00-0002 SF Stainless Steel Drip Pan.....	114.13	6.88
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	112.74	6.88
05 58 16 00-0004 SF Aluminum Drip Pan.....	79.15	5.50
05 58 16 00-0005 SF Plastic Drip Pan.....	20.52	4.81
05 58 23 Formed Metal Guards <small>(05 58)</small>		
05 58 23 00-0001 Protective Guard Rails <small>(05 58 23)</small> Note: Includes painted finish.		
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small> Note: Steel King Armor Guard.		
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0002)</small> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	210.41	22.97
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	247.33	22.97
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	282.16	22.97
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	319.08	22.97
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	354.10	22.97
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	399.50	22.97
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	430.43	22.97
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	478.33	22.97
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	509.76	22.97
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	532.21	22.97
05 58 23 00-0014 Posts For 2-Rib Guard Rails <small>(05 58 23 00-0002)</small> Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12" Height, Single Rail Post For 2-Rib Guard Rails.....	422.98	47.85
05 58 23 00-0016 EA 42" Height, Triple Rail Post For 2-Rib Guard Rails.....	551.20	47.85
05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails <small>(05 58 23 00-0001)</small> Note: Steel King Steel Guard.		

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0018			Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA		1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	232.66	22.97
05 58 23 00-0020	EA		2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	257.21	22.97
05 58 23 00-0021	EA		3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	287.84	22.97
05 58 23 00-0022	EA		4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	316.48	22.97
05 58 23 00-0023	EA		5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	349.61	22.97
05 58 23 00-0024	EA		6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	365.57	22.97
05 58 23 00-0025	EA		7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	403.99	22.97
05 58 23 00-0026	EA		8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	436.42	22.97
05 58 23 00-0027	EA		9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	470.84	22.97
05 58 23 00-0028	EA		10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	505.77	22.97
05 58 23 00-0029			Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA		1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	343.12	22.97
05 58 23 00-0031	EA		2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	370.06	22.97
05 58 23 00-0032	EA		3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	398.00	22.97
05 58 23 00-0033	EA		4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	430.43	22.97
05 58 23 00-0034	EA		5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	462.86	22.97
05 58 23 00-0035	EA		6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	489.30	22.97
05 58 23 00-0036	EA		7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	519.74	22.97
05 58 23 00-0037	EA		8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	554.16	22.97
05 58 23 00-0038	EA		9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	591.08	22.97
05 58 23 00-0039	EA		10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	623.51	22.97
05 58 23 00-0040			Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA		18" Height, Single Rail Post For 3-Rib Guard Rails	371.90	47.85
05 58 23 00-0042	EA		42" Height, Double Rail Post For 3-Rib Guard Rails	475.87	47.85
05 58 23 00-0043			All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044			All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045	EA		36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	485.33	63.81
05 58 23 00-0046	EA		48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	510.27	63.81
05 58 23 00-0047	EA		36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	524.74	63.81
05 58 23 00-0048	EA		48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	546.19	63.81
05 58 23 00-0049	EA		36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	541.20	63.81
05 58 23 00-0050	EA		48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	567.65	63.81
05 58 23 00-0051	EA		36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	575.13	63.81
05 58 23 00-0052	EA		48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	583.61	63.81
05 58 23 00-0053	EA		48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	624.02	63.81
05 58 23 00-0054			Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055	EA		24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	639.99	63.81
05 58 23 00-0056	EA		30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	669.92	63.81
05 58 23 00-0057	EA		24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	682.40	63.81
05 58 23 00-0058	EA		30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	743.76	63.81
05 58 23 00-0059			Warehouse Safety Bollards (05 58 23) Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA		24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	315.89	47.85
05 58 23 00-0061	EA		36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	365.18	47.85
05 58 23 00-0062	EA		42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	417.37	47.85
05 58 23 00-0063	EA		36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	431.64	47.85
05 58 23 00-0064	EA		42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	464.57	47.85

05 59 Metal Specialties (05 50)**05 59 65 Metal Chain** (05 59)**05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length** (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF		3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.00	1.02
			<i>For Plastic Dipped, Add</i>	0.74	
05 59 65 00-0003	LF		1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.52	1.36
			<i>For Plastic Dipped, Add</i>	0.87	
05 59 65 00-0004	LF		3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	13.26	2.72
			<i>For Plastic Dipped, Add</i>	1.17	
05 59 65 00-0005	LF		1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	21.19	4.59
			<i>For Plastic Dipped, Add</i>	1.80	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	35.77 3.04	7.75
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	50.20 4.27	10.87
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	68.89 6.26	13.59
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored..... <i>For Plastic Dipped, Add</i>	100.20 9.59	18.12
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored <i>For Plastic Dipped, Add</i>	163.81 16.42	27.19
05 59 65 00-0011 316L Stainless Steel Chain, Cut Length <small>(05 59 65)</small>		
05 59 65 00-0012 CLF 1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	2,680.47	90.58
05 59 65 00-0013 CLF 3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,298.80	108.75
05 59 65 00-0014 CLF 9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,135.18	135.94
05 59 65 00-0015 CLF 5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	5,586.68	181.29
05 59 65 00-0016 CLF 3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	6,348.39	271.87
05 59 65 00-0017 CLF 1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	9,576.13	453.16
05 59 69 Metal Panels <small>(05 59)</small>		
05 59 69 00-0001 Woven And Welded Wire Cloth <small>(05 59 69)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003 2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	9.79 2.73 1.56 -0.30 -0.89 2.60 3.55 14.21 16.28	2.90
05 59 69 00-0005 SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	10.54 2.92 1.66 -0.33 -0.98 2.86 3.90 15.60 17.88	3.02
05 59 69 00-0006 SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	11.20 3.13 1.79 -0.34 -1.01 2.96 4.04 16.15 18.51	3.35
05 59 69 00-0007 SF 0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	11.80 3.29 1.88 -0.36 -1.07 3.15 4.29 17.16 19.66	3.49
05 59 69 00-0008 SF 0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	12.90 3.62 2.07 -0.38 -1.15 3.38 4.61 18.43 21.12	3.91
05 59 69 00-0009 SF 0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels <i>For Up To 2, Add</i> <i>For >2 To 6, Add</i> <i>For >15 To 40, Deduct</i> <i>For >40, Deduct</i> <i>For Galvanized, Add</i> <i>For Aluminum, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	14.84 4.13 2.36 -0.45 -1.35 3.97 5.41 21.65 24.81	4.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels	16.83	4.79
			<i>For Up To 2, Add</i>	4.64	
			<i>For >2 To 6, Add</i>	2.64	
			<i>For >15 To 40, Deduct</i>	-0.52	
			<i>For >40, Deduct</i>	-1.57	
			<i>For Galvanized, Add</i>	4.59	
			<i>For Aluminum, Add</i>	6.26	
			<i>For 304 Stainless Steel, Add</i>	25.06	
			<i>For 316 Stainless Steel, Add</i>	28.71	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	19.29	5.33
			<i>For Up To 2, Add</i>	5.28	
			<i>For >2 To 6, Add</i>	2.99	
			<i>For >15 To 40, Deduct</i>	-0.61	
			<i>For >40, Deduct</i>	-1.83	
			<i>For Galvanized, Add</i>	5.36	
			<i>For Aluminum, Add</i>	7.31	
			<i>For 304 Stainless Steel, Add</i>	29.26	
			<i>For 316 Stainless Steel, Add</i>	33.52	
05 59 69 00-0012			1-3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	10.27	3.07
			<i>For Up To 2, Add</i>	2.87	
			<i>For >2 To 6, Add</i>	1.64	
			<i>For >15 To 40, Deduct</i>	-0.31	
			<i>For >40, Deduct</i>	-0.93	
			<i>For Galvanized, Add</i>	2.71	
			<i>For Aluminum, Add</i>	3.70	
			<i>For 304 Stainless Steel, Add</i>	14.81	
			<i>For 316 Stainless Steel, Add</i>	16.97	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	11.31	3.24
			<i>For Up To 2, Add</i>	3.13	
			<i>For >2 To 6, Add</i>	1.78	
			<i>For >15 To 40, Deduct</i>	-0.35	
			<i>For >40, Deduct</i>	-1.05	
			<i>For Galvanized, Add</i>	3.07	
			<i>For Aluminum, Add</i>	4.19	
			<i>For 304 Stainless Steel, Add</i>	16.75	
			<i>For 316 Stainless Steel, Add</i>	19.20	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	12.14	3.63
			<i>For Up To 2, Add</i>	3.40	
			<i>For >2 To 6, Add</i>	1.94	
			<i>For >15 To 40, Deduct</i>	-0.36	
			<i>For >40, Deduct</i>	-1.09	
			<i>For Galvanized, Add</i>	3.21	
			<i>For Aluminum, Add</i>	4.37	
			<i>For 304 Stainless Steel, Add</i>	17.50	
			<i>For 316 Stainless Steel, Add</i>	20.05	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	12.70	3.75
			<i>For Up To 2, Add</i>	3.54	
			<i>For >2 To 6, Add</i>	2.02	
			<i>For >15 To 40, Deduct</i>	-0.38	
			<i>For >40, Deduct</i>	-1.15	
			<i>For Galvanized, Add</i>	3.38	
			<i>For Aluminum, Add</i>	4.61	
			<i>For 304 Stainless Steel, Add</i>	18.46	
			<i>For 316 Stainless Steel, Add</i>	21.15	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	13.88	4.21
			<i>For Up To 2, Add</i>	3.90	
			<i>For >2 To 6, Add</i>	2.23	
			<i>For >15 To 40, Deduct</i>	-0.41	
			<i>For >40, Deduct</i>	-1.24	
			<i>For Galvanized, Add</i>	3.64	
			<i>For Aluminum, Add</i>	4.96	
			<i>For 304 Stainless Steel, Add</i>	19.85	
			<i>For 316 Stainless Steel, Add</i>	22.74	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	15.96	4.70
			<i>For Up To 2, Add</i>	4.44	
			<i>For >2 To 6, Add</i>	2.54	
			<i>For >15 To 40, Deduct</i>	-0.49	
			<i>For >40, Deduct</i>	-1.46	
			<i>For Galvanized, Add</i>	4.27	
			<i>For Aluminum, Add</i>	5.82	
			<i>For 304 Stainless Steel, Add</i>	23.28	
			<i>For 316 Stainless Steel, Add</i>	26.68	
05 59 69 00-0019	SF		0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	18.10	5.16
			<i>For Up To 2, Add</i>	5.00	
			<i>For >2 To 6, Add</i>	2.84	
			<i>For >15 To 40, Deduct</i>	-0.56	
			<i>For >40, Deduct</i>	-1.68	
			<i>For Galvanized, Add</i>	4.94	
			<i>For Aluminum, Add</i>	6.73	
			<i>For 304 Stainless Steel, Add</i>	26.93	
			<i>For 316 Stainless Steel, Add</i>	30.86	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0020 SF 0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	20.77	5.73
For Up To 2, Add	5.68	
For >2 To 6, Add	3.22	
For >15 To 40, Deduct	-0.66	
For >40, Deduct	-1.97	
For Galvanized, Add	5.77	
For Aluminum, Add	7.87	
For 304 Stainless Steel, Add	31.49	
For 316 Stainless Steel, Add	36.08	
05 59 69 00-0021 1-1/2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	11.38	3.42
For Up To 2, Add	3.19	
For >2 To 6, Add	1.82	
For >15 To 40, Deduct	-0.34	
For >40, Deduct	-1.02	
For Galvanized, Add	3.01	
For Aluminum, Add	4.10	
For 304 Stainless Steel, Add	16.39	
For 316 Stainless Steel, Add	18.78	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	12.50	3.59
For Up To 2, Add	3.46	
For >2 To 6, Add	1.97	
For >15 To 40, Deduct	-0.39	
For >40, Deduct	-1.16	
For Galvanized, Add	3.40	
For Aluminum, Add	4.63	
For 304 Stainless Steel, Add	18.53	
For 316 Stainless Steel, Add	21.23	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	13.29	3.98
For Up To 2, Add	3.72	
For >2 To 6, Add	2.13	
For >15 To 40, Deduct	-0.40	
For >40, Deduct	-1.20	
For Galvanized, Add	3.51	
For Aluminum, Add	4.79	
For 304 Stainless Steel, Add	19.15	
For 316 Stainless Steel, Add	21.95	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	14.01	4.15
For Up To 2, Add	3.91	
For >2 To 6, Add	2.23	
For >15 To 40, Deduct	-0.42	
For >40, Deduct	-1.27	
For Galvanized, Add	3.74	
For Aluminum, Add	5.09	
For 304 Stainless Steel, Add	20.38	
For 316 Stainless Steel, Add	23.35	
05 59 69 00-0026 SF 0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	15.27	4.63
For Up To 2, Add	4.29	
For >2 To 6, Add	2.45	
For >15 To 40, Deduct	-0.45	
For >40, Deduct	-1.36	
For Galvanized, Add	4.00	
For Aluminum, Add	5.45	
For 304 Stainless Steel, Add	21.82	
For 316 Stainless Steel, Add	25.00	
05 59 69 00-0027 SF 0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	17.45	5.14
For Up To 2, Add	4.86	
For >2 To 6, Add	2.77	
For >15 To 40, Deduct	-0.53	
For >40, Deduct	-1.59	
For Galvanized, Add	4.67	
For Aluminum, Add	6.37	
For 304 Stainless Steel, Add	25.46	
For 316 Stainless Steel, Add	29.18	
05 59 69 00-0028 SF 0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	19.78	5.64
For Up To 2, Add	5.46	
For >2 To 6, Add	3.10	
For >15 To 40, Deduct	-0.61	
For >40, Deduct	-1.84	
For Galvanized, Add	5.40	
For Aluminum, Add	7.36	
For 304 Stainless Steel, Add	29.45	
For 316 Stainless Steel, Add	33.74	
05 59 69 00-0029 SF 0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	22.65	6.25
For Up To 2, Add	6.20	
For >2 To 6, Add	3.51	
For >15 To 40, Deduct	-0.72	
For >40, Deduct	-2.15	
For Galvanized, Add	6.30	
For Aluminum, Add	8.59	
For 304 Stainless Steel, Add	34.37	
For 316 Stainless Steel, Add	39.38	



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
05 59 69 00-0030		1-1/4" Square Wire Spacing (05 59 69 00-0002)			
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	11.62		3.69
		For Up To 2, Add	3.31		
		For >2 To 6, Add	1.90		
		For >15 To 40, Deduct	-0.33		
		For >40, Deduct	-1.00		
		For Galvanized, Add	2.94		
		For Aluminum, Add	4.01		
		For 304 Stainless Steel, Add	16.06		
		For 316 Stainless Steel, Add	18.40		
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	12.58		3.87
		For Up To 2, Add	3.55		
		For >2 To 6, Add	2.03		
		For >15 To 40, Deduct	-0.37		
		For >40, Deduct	-1.11		
		For Galvanized, Add	3.26		
		For Aluminum, Add	4.45		
		For 304 Stainless Steel, Add	17.78		
		For 316 Stainless Steel, Add	20.38		
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	13.67		4.04
		For Up To 2, Add	3.81		
		For >2 To 6, Add	2.17		
		For >15 To 40, Deduct	-0.41		
		For >40, Deduct	-1.24		
		For Galvanized, Add	3.65		
		For Aluminum, Add	4.97		
		For 304 Stainless Steel, Add	19.90		
		For 316 Stainless Steel, Add	22.80		
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	14.10		4.12
		For Up To 2, Add	3.92		
		For >2 To 6, Add	2.23		
		For >15 To 40, Deduct	-0.43		
		For >40, Deduct	-1.29		
		For Galvanized, Add	3.79		
		For Aluminum, Add	5.17		
		For 304 Stainless Steel, Add	20.69		
		For 316 Stainless Steel, Add	23.71		
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	15.27		4.64
		For Up To 2, Add	4.29		
		For >2 To 6, Add	2.46		
		For >15 To 40, Deduct	-0.45		
		For >40, Deduct	-1.36		
		For Galvanized, Add	4.00		
		For Aluminum, Add	5.45		
		For 304 Stainless Steel, Add	21.79		
		For 316 Stainless Steel, Add	24.97		
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	17.20		5.22
		For Up To 2, Add	4.83		
		For >2 To 6, Add	2.76		
		For >15 To 40, Deduct	-0.51		
		For >40, Deduct	-1.54		
		For Galvanized, Add	4.51		
		For Aluminum, Add	6.14		
		For 304 Stainless Steel, Add	24.58		
		For 316 Stainless Steel, Add	28.16		
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	19.58		5.76
		For Up To 2, Add	5.45		
		For >2 To 6, Add	3.11		
		For >15 To 40, Deduct	-0.60		
		For >40, Deduct	-1.79		
		For Galvanized, Add	5.24		
		For Aluminum, Add	7.14		
		For 304 Stainless Steel, Add	28.56		
		For 316 Stainless Steel, Add	32.73		
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	22.10		6.30
		For Up To 2, Add	6.10		
		For >2 To 6, Add	3.47		
		For >15 To 40, Deduct	-0.69		
		For >40, Deduct	-2.06		
		For Galvanized, Add	6.03		
		For Aluminum, Add	8.23		
		For 304 Stainless Steel, Add	32.90		
		For 316 Stainless Steel, Add	37.70		
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	25.34		7.00
		For Up To 2, Add	6.93		
		For >2 To 6, Add	3.93		
		For >15 To 40, Deduct	-0.80		
		For >40, Deduct	-2.40		
		For Galvanized, Add	7.05		
		For Aluminum, Add	9.61		
		For 304 Stainless Steel, Add	38.45		
		For 316 Stainless Steel, Add	44.06		
05 59 69 00-0040		1" Square Wire Spacing (05 59 69 00-0002)			



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0041 SF 0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	13.25	4.33
For Up To 2, Add	3.80	
For >2 To 6, Add	2.19	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.12	
For Galvanized, Add	3.30	
For Aluminum, Add	4.49	
For 304 Stainless Steel, Add	17.98	
For 316 Stainless Steel, Add	20.60	
05 59 69 00-0042 SF 0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	14.23	4.50
For Up To 2, Add	4.05	
For >2 To 6, Add	2.32	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.23	
For Galvanized, Add	3.62	
For Aluminum, Add	4.93	
For 304 Stainless Steel, Add	19.73	
For 316 Stainless Steel, Add	22.61	
05 59 69 00-0043 SF 0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	14.82	4.70
For Up To 2, Add	4.22	
For >2 To 6, Add	2.42	
For >15 To 40, Deduct	-0.43	
For >40, Deduct	-1.28	
For Galvanized, Add	3.76	
For Aluminum, Add	5.12	
For 304 Stainless Steel, Add	20.50	
For 316 Stainless Steel, Add	23.49	
05 59 69 00-0044 SF 0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	15.90	4.76
For Up To 2, Add	4.45	
For >2 To 6, Add	2.54	
For >15 To 40, Deduct	-0.48	
For >40, Deduct	-1.43	
For Galvanized, Add	4.20	
For Aluminum, Add	5.72	
For 304 Stainless Steel, Add	22.90	
For 316 Stainless Steel, Add	26.24	
05 59 69 00-0045 SF 0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	17.69	5.37
For Up To 2, Add	4.97	
For >2 To 6, Add	2.84	
For >15 To 40, Deduct	-0.53	
For >40, Deduct	-1.58	
For Galvanized, Add	4.63	
For Aluminum, Add	6.31	
For 304 Stainless Steel, Add	25.25	
For 316 Stainless Steel, Add	28.93	
05 59 69 00-0046 SF 0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	19.85	6.02
For Up To 2, Add	5.58	
For >2 To 6, Add	3.19	
For >15 To 40, Deduct	-0.59	
For >40, Deduct	-1.77	
For Galvanized, Add	5.20	
For Aluminum, Add	7.09	
For 304 Stainless Steel, Add	28.37	
For 316 Stainless Steel, Add	32.51	
05 59 69 00-0047 SF 0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels	22.72	6.68
For Up To 2, Add	6.33	
For >2 To 6, Add	3.61	
For >15 To 40, Deduct	-0.69	
For >40, Deduct	-2.07	
For Galvanized, Add	6.08	
For Aluminum, Add	8.29	
For 304 Stainless Steel, Add	33.14	
For 316 Stainless Steel, Add	37.98	
05 59 69 00-0048 SF 0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels	25.59	7.30
For Up To 2, Add	7.06	
For >2 To 6, Add	4.02	
For >15 To 40, Deduct	-0.79	
For >40, Deduct	-2.38	
For Galvanized, Add	6.98	
For Aluminum, Add	9.52	
For 304 Stainless Steel, Add	38.09	
For 316 Stainless Steel, Add	43.64	
05 59 69 00-0049 SF 0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels	29.24	8.07
For Up To 2, Add	8.00	
For >2 To 6, Add	4.54	
For >15 To 40, Deduct	-0.92	
For >40, Deduct	-2.77	
For Galvanized, Add	8.13	
For Aluminum, Add	11.09	
For 304 Stainless Steel, Add	44.35	
For 316 Stainless Steel, Add	50.82	

05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0002)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	13.42	4.32
			For Up To 2, Add	3.83	
			For >2 To 6, Add	2.20	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.15	
			For Galvanized, Add	3.37	
			For Aluminum, Add	4.60	
			For 304 Stainless Steel, Add	18.41	
			For 316 Stainless Steel, Add	21.09	
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels	14.99	4.84
			For Up To 2, Add	4.29	
			For >2 To 6, Add	2.47	
			For >15 To 40, Deduct	-0.43	
			For >40, Deduct	-1.28	
			For Galvanized, Add	3.76	
			For Aluminum, Add	5.12	
			For 304 Stainless Steel, Add	20.50	
			For 316 Stainless Steel, Add	23.49	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels	16.58	5.47
			For Up To 2, Add	4.77	
			For >2 To 6, Add	2.75	
			For >15 To 40, Deduct	-0.46	
			For >40, Deduct	-1.39	
			For Galvanized, Add	4.09	
			For Aluminum, Add	5.57	
			For 304 Stainless Steel, Add	22.30	
			For 316 Stainless Steel, Add	25.55	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels	17.94	5.83
			For Up To 2, Add	5.14	
			For >2 To 6, Add	2.96	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.52	
			For Galvanized, Add	4.47	
			For Aluminum, Add	6.10	
			For 304 Stainless Steel, Add	24.38	
			For 316 Stainless Steel, Add	27.94	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels	20.77	6.55
			For Up To 2, Add	5.90	
			For >2 To 6, Add	3.39	
			For >15 To 40, Deduct	-0.60	
			For >40, Deduct	-1.80	
			For Galvanized, Add	5.29	
			For Aluminum, Add	7.21	
			For 304 Stainless Steel, Add	28.85	
			For 316 Stainless Steel, Add	33.06	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels	23.92	7.33
			For Up To 2, Add	6.74	
			For >2 To 6, Add	3.86	
			For >15 To 40, Deduct	-0.71	
			For >40, Deduct	-2.12	
			For Galvanized, Add	6.22	
			For Aluminum, Add	8.48	
			For 304 Stainless Steel, Add	33.94	
			For 316 Stainless Steel, Add	38.89	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels	27.26	8.10
			For Up To 2, Add	7.61	
			For >2 To 6, Add	4.35	
			For >15 To 40, Deduct	-0.82	
			For >40, Deduct	-2.47	
			For Galvanized, Add	7.24	
			For Aluminum, Add	9.87	
			For 304 Stainless Steel, Add	39.48	
			For 316 Stainless Steel, Add	45.24	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels	30.57	8.81
			For Up To 2, Add	8.46	
			For >2 To 6, Add	4.82	
			For >15 To 40, Deduct	-0.94	
			For >40, Deduct	-2.82	
			For Galvanized, Add	8.29	
			For Aluminum, Add	11.30	
			For 304 Stainless Steel, Add	45.19	
			For 316 Stainless Steel, Add	51.78	
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	34.91	9.75
			For Up To 2, Add	9.58	
			For >2 To 6, Add	5.44	
			For >15 To 40, Deduct	-1.10	
			For >40, Deduct	-3.29	
			For Galvanized, Add	9.64	
			For Aluminum, Add	13.15	
			For 304 Stainless Steel, Add	52.61	
			For 316 Stainless Steel, Add	60.28	
05 59 69 00-0060			1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0061 SF 0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	14.01	4.62
For Up To 2, Add	4.03	
For >2 To 6, Add	2.33	
For >15 To 40, Deduct	-0.39	
For >40, Deduct	-1.18	
For Galvanized, Add	3.45	
For Aluminum, Add	4.71	
For 304 Stainless Steel, Add	18.84	
For 316 Stainless Steel, Add	21.59	
05 59 69 00-0062 SF 0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	16.36	5.61
For Up To 2, Add	4.77	
For >2 To 6, Add	2.76	
For >15 To 40, Deduct	-0.44	
For >40, Deduct	-1.33	
For Galvanized, Add	3.90	
For Aluminum, Add	5.32	
For 304 Stainless Steel, Add	21.29	
For 316 Stainless Steel, Add	24.39	
05 59 69 00-0063 SF 0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	19.79	6.64
For Up To 2, Add	5.73	
For >2 To 6, Add	3.31	
For >15 To 40, Deduct	-0.55	
For >40, Deduct	-1.64	
For Galvanized, Add	4.81	
For Aluminum, Add	6.56	
For 304 Stainless Steel, Add	26.26	
For 316 Stainless Steel, Add	30.09	
05 59 69 00-0064 SF 0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	22.86	7.45
For Up To 2, Add	6.56	
For >2 To 6, Add	3.78	
For >15 To 40, Deduct	-0.65	
For >40, Deduct	-1.94	
For Galvanized, Add	5.68	
For Aluminum, Add	7.75	
For 304 Stainless Steel, Add	31.01	
For 316 Stainless Steel, Add	35.53	
05 59 69 00-0065 SF 0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	26.28	8.32
For Up To 2, Add	7.47	
For >2 To 6, Add	4.29	
For >15 To 40, Deduct	-0.76	
For >40, Deduct	-2.28	
For Galvanized, Add	6.68	
For Aluminum, Add	9.11	
For 304 Stainless Steel, Add	36.46	
For 316 Stainless Steel, Add	41.77	
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	30.17	9.26
For Up To 2, Add	8.51	
For >2 To 6, Add	4.87	
For >15 To 40, Deduct	-0.89	
For >40, Deduct	-2.67	
For Galvanized, Add	7.83	
For Aluminum, Add	10.68	
For 304 Stainless Steel, Add	42.72	
For 316 Stainless Steel, Add	48.95	
05 59 69 00-0067 SF 0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels	34.18	10.19
For Up To 2, Add	9.55	
For >2 To 6, Add	5.46	
For >15 To 40, Deduct	-1.03	
For >40, Deduct	-3.09	
For Galvanized, Add	9.06	
For Aluminum, Add	12.36	
For 304 Stainless Steel, Add	49.44	
For 316 Stainless Steel, Add	56.65	
05 59 69 00-0068 SF 0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels	38.23	11.05
For Up To 2, Add	10.59	
For >2 To 6, Add	6.03	
For >15 To 40, Deduct	-1.18	
For >40, Deduct	-3.53	
For Galvanized, Add	10.34	
For Aluminum, Add	14.10	
For 304 Stainless Steel, Add	56.40	
For 316 Stainless Steel, Add	64.63	
05 59 69 00-0069 SF 0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels	39.70	12.16
For Up To 2, Add	11.18	
For >2 To 6, Add	6.40	
For >15 To 40, Deduct	-1.18	
For >40, Deduct	-3.53	
For Galvanized, Add	10.34	
For Aluminum, Add	14.10	
For 304 Stainless Steel, Add	56.40	
For 316 Stainless Steel, Add	64.63	

05 59 69 00-0070 Expanded Metal Panels (05 59 69)

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05	05 Metals
	05 50 Metal Fabrications
	05 59 Metal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small>		
<small>Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.</small>		
05 59 69 00-0072 SF 1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	11.04	3.98
For Galvanized, Add	2.52	
For Aluminum, Add	3.44	
For 304 Stainless Steel, Add	13.75	
For 316 Stainless Steel, Add	15.76	
05 59 69 00-0073 SF 1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	13.92	4.36
For Galvanized, Add	3.56	
For Aluminum, Add	4.86	
For 304 Stainless Steel, Add	19.44	
For 316 Stainless Steel, Add	22.28	
05 59 69 00-0074 SF 1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	7.95	3.07
For Galvanized, Add	1.69	
For Aluminum, Add	2.31	
For 304 Stainless Steel, Add	9.24	
For 316 Stainless Steel, Add	10.59	
05 59 69 00-0075 SF 1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	8.68	3.35
For Galvanized, Add	1.85	
For Aluminum, Add	2.53	
For 304 Stainless Steel, Add	10.10	
For 316 Stainless Steel, Add	11.58	
05 59 69 00-0076 SF 1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	9.81	3.98
For Galvanized, Add	1.98	
For Aluminum, Add	2.70	
For 304 Stainless Steel, Add	10.80	
For 316 Stainless Steel, Add	12.38	
05 59 69 00-0077 SF 1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	12.55	5.14
For Galvanized, Add	2.51	
For Aluminum, Add	3.43	
For 304 Stainless Steel, Add	13.70	
For 316 Stainless Steel, Add	15.70	
05 59 69 00-0078 SF 3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	6.91	3.02
For Galvanized, Add	1.26	
For Aluminum, Add	1.72	
For 304 Stainless Steel, Add	6.89	
For 316 Stainless Steel, Add	7.89	
05 59 69 00-0079 SF 3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	7.75	3.24
For Galvanized, Add	1.50	
For Aluminum, Add	2.05	
For 304 Stainless Steel, Add	8.21	
For 316 Stainless Steel, Add	9.41	
05 59 69 00-0080 SF 3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	8.85	3.63
For Galvanized, Add	1.76	
For Aluminum, Add	2.40	
For 304 Stainless Steel, Add	9.60	
For 316 Stainless Steel, Add	11.00	
05 59 69 00-0081 SF 3/4" #9-F Plain Expanded Metal Panel, 1.50 LB/SF	13.94	6.02
For Galvanized, Add	2.60	
For Aluminum, Add	3.55	
For 304 Stainless Steel, Add	14.18	
For 316 Stainless Steel, Add	16.25	
05 59 69 00-0082 SF 1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	7.71	3.69
For Galvanized, Add	1.22	
For Aluminum, Add	1.67	
For 304 Stainless Steel, Add	6.67	
For 316 Stainless Steel, Add	7.65	
05 59 69 00-0083 SF 1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	6.67	2.90
For Galvanized, Add	1.23	
For Aluminum, Add	1.68	
For 304 Stainless Steel, Add	6.72	
For 316 Stainless Steel, Add	7.70	
05 59 69 00-0084 SF 1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	7.70	3.42
For Galvanized, Add	1.39	
For Aluminum, Add	1.89	
For 304 Stainless Steel, Add	7.56	
For 316 Stainless Steel, Add	8.66	
05 59 69 00-0085 SF 1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	11.97	4.62
For Galvanized, Add	2.56	
For Aluminum, Add	3.49	
For 304 Stainless Steel, Add	13.94	
For 316 Stainless Steel, Add	15.98	

05 70 Decorative Metal (05)

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs (05 70)

05 71 13 Fabricated Metal Spiral Stairs (05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units (05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread (05 71 13 00-0001)



Metals	05	05
Decorative Metal	05 70	
Decorative Metal Stairs	05 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 71	13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	504.76 279.31	52.86
05 71	13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	575.65 321.54	58.16
05 71	13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	637.25 357.27	63.44
05 71	13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	682.63 381.63	68.73

05 73 Decorative Metal Railings (05 70)

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings (05 73)

05 73 23 00-0001 Railings; Vertical Square Bars At 6" (05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i> <i>For Galvanized, Add</i>	68.31 9.85 17.11 1.61 1.29 0.86 0.43 14.22 3.00	11.63
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	180.26 19.24 64.10 8.69 6.95 4.63 2.32 18.61	15.86
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	207.39 24.29 67.70 8.58 6.86 4.57 2.29 25.76	26.43
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	291.95 29.06 109.73 15.46 12.36 8.24 4.12 23.97	21.15
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	326.71 28.92 132.91 19.67 15.73 10.49 5.24 18.63	32.25

05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)

05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	172.42 13.52 75.02 11.52 9.22 6.15 3.07 7.20	5.28
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05 73 23 00-0009 Plain Handrails (05 73 23)

05 73 23 00-0010	LF	2" Brass Handrail	58.28	11.52
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	118.08	41.75
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	53.01	20.93
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	88.94	41.75
05 73 23 00-0014	LF	2" Stainless Steel Handrail	71.01	14.39

05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73 23)

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0369 for painting.

05 73 23 00-0016	LF	Refinish Metal Handrail	11.30	
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	11.26	

05	05 Metals
	05 70 Decorative Metal
	05 73 Decorative Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 73 23 00-0018	Remove And Reinstall Ornamental Railing (05 73 23)		
05 73 23 00-0019	LF Removal And Reinstallation Of Ornamental Handrail And Pickets		97.27

05 75 Decorative Formed Metal (05 75)

05 75 00 00-0001	Metal Sheets, Installed On Walls (05 75)		
Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.			
05 75 00 00-0002	Copper Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.			
05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.78	2.49
	For >16 To 200, Deduct	-1.63	
	For >200 To 500, Deduct	-3.25	
	For >500, Deduct	-4.69	
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	35.93	2.78
	For >16 To 200, Deduct	-2.00	
	For >200 To 500, Deduct	-4.01	
	For >500, Deduct	-5.81	
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	39.33	3.00
	For >16 To 200, Deduct	-2.19	
	For >200 To 500, Deduct	-4.38	
	For >500, Deduct	-6.35	
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	42.47	3.15
	For >16 To 200, Deduct	-2.36	
	For >200 To 500, Deduct	-4.72	
	For >500, Deduct	-6.84	
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	48.43	3.29
	For >16 To 200, Deduct	-2.67	
	For >200 To 500, Deduct	-5.34	
	For >500, Deduct	-7.76	
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	61.33	3.45
	For >16 To 200, Deduct	-3.33	
	For >200 To 500, Deduct	-6.65	
	For >500, Deduct	-9.72	
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	71.85	3.60
	For >16 To 200, Deduct	-3.86	
	For >200 To 500, Deduct	-7.73	
	For >500, Deduct	-11.32	
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	86.98	3.89
	For >16 To 200, Deduct	-4.64	
	For >200 To 500, Deduct	-9.28	
	For >500, Deduct	-13.63	
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls	106.83	4.19
	For >16 To 200, Deduct	-5.66	
	For >200 To 500, Deduct	-11.31	
	For >500, Deduct	-16.65	
05 75 00 00-0012	SF 0.125" Thick Copper Sheet, Installed On Walls	156.83	4.50
	For >16 To 200, Deduct	-8.18	
	For >200 To 500, Deduct	-16.36	
	For >500, Deduct	-24.20	
05 75 00 00-0013	Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.			
05 75 00 00-0014	SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	13.13	2.35
	For >16 To 200, Deduct	-0.83	
	For >200 To 500, Deduct	-1.67	
	For >500, Deduct	-2.32	
05 75 00 00-0015	SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.77	2.54
	For >16 To 200, Deduct	-0.93	
	For >200 To 500, Deduct	-1.86	
	For >500, Deduct	-2.60	
05 75 00 00-0016	SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.02	2.66
	For >16 To 200, Deduct	-1.00	
	For >200 To 500, Deduct	-2.00	
	For >500, Deduct	-2.80	
05 75 00 00-0017	SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.57	2.78
	For >16 To 200, Deduct	-1.14	
	For >200 To 500, Deduct	-2.28	
	For >500, Deduct	-3.20	
05 75 00 00-0018	SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	21.06	2.91
	For >16 To 200, Deduct	-1.27	
	For >200 To 500, Deduct	-2.54	
	For >500, Deduct	-3.60	
05 75 00 00-0019	SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	24.15	3.04
	For >16 To 200, Deduct	-1.44	
	For >200 To 500, Deduct	-2.87	
	For >500, Deduct	-4.08	
05 75 00 00-0020	SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	34.25	3.55
	For >16 To 200, Deduct	-1.98	
	For >200 To 500, Deduct	-3.96	
	For >500, Deduct	-5.67	



Metals	05	05
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0021 SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	45.70	3.76
For >16 To 200, Deduct	-2.57	
For >200 To 500, Deduct	-5.14	
For >500, Deduct	-7.42	
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	62.20	4.57
For >16 To 200, Deduct	-3.45	
For >200 To 500, Deduct	-6.91	
For >500, Deduct	-10.02	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	102.32	4.89
For >16 To 200, Deduct	-5.48	
For >200 To 500, Deduct	-10.97	
For >500, Deduct	-16.08	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	130.59	5.70
For >16 To 200, Deduct	-6.96	
For >200 To 500, Deduct	-13.92	
For >500, Deduct	-20.45	
05 75 00 00-0025 Aluminum Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	11.61	2.49
For >16 To 200, Deduct	-0.77	
For >200 To 500, Deduct	-1.54	
For >500, Deduct	-2.12	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	13.18	2.78
For >16 To 200, Deduct	-0.87	
For >200 To 500, Deduct	-1.73	
For >500, Deduct	-2.39	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	14.70	3.00
For >16 To 200, Deduct	-0.96	
For >200 To 500, Deduct	-1.92	
For >500, Deduct	-2.66	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	16.27	3.15
For >16 To 200, Deduct	-1.05	
For >200 To 500, Deduct	-2.10	
For >500, Deduct	-2.91	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	17.83	3.29
For >16 To 200, Deduct	-1.14	
For >200 To 500, Deduct	-2.28	
For >500, Deduct	-3.17	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	19.54	3.45
For >16 To 200, Deduct	-1.24	
For >200 To 500, Deduct	-2.47	
For >500, Deduct	-3.45	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	21.65	3.60
For >16 To 200, Deduct	-1.35	
For >200 To 500, Deduct	-2.71	
For >500, Deduct	-3.79	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	25.74	4.19
For >16 To 200, Deduct	-1.60	
For >200 To 500, Deduct	-3.20	
For >500, Deduct	-4.49	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.12	2.49
For >16 To 200, Deduct	-0.69	
For >200 To 500, Deduct	-1.39	
For >500, Deduct	-1.89	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.23	2.78
For >16 To 200, Deduct	-0.77	
For >200 To 500, Deduct	-1.54	
For >500, Deduct	-2.10	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.97	3.00
For >16 To 200, Deduct	-0.82	
For >200 To 500, Deduct	-1.65	
For >500, Deduct	-2.25	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.69	3.15
For >16 To 200, Deduct	-0.87	
For >200 To 500, Deduct	-1.74	
For >500, Deduct	-2.38	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.61	3.29
For >16 To 200, Deduct	-0.93	
For >200 To 500, Deduct	-1.86	
For >500, Deduct	-2.54	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.60	3.45
For >16 To 200, Deduct	-0.99	
For >200 To 500, Deduct	-1.98	
For >500, Deduct	-2.71	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	16.14	3.60
For >16 To 200, Deduct	-1.08	
For >200 To 500, Deduct	-2.15	
For >500, Deduct	-2.96	

05 Metals**05 70 Decorative Metal**

05 75 Decorative Formed Metal



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0042	SF		0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.39	3.89
			<i>For >16 To 200, Deduct</i>	-1.21	
			<i>For >200 To 500, Deduct</i>	-2.42	
			<i>For >500, Deduct</i>	-3.34	
05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	21.20	4.50
			<i>For >16 To 200, Deduct</i>	-1.40	
			<i>For >200 To 500, Deduct</i>	-2.80	
			<i>For >500, Deduct</i>	-3.86	
05 75 00 00-0044			Galvanized Zinc-Plated Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0045	SF		0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.82	2.37
			<i>For >16 To 200, Deduct</i>	-0.93	
			<i>For >200 To 500, Deduct</i>	-1.86	
			<i>For >500, Deduct</i>	-2.55	
05 75 00 00-0046	SF		0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	15.96	2.67
			<i>For >16 To 200, Deduct</i>	-1.07	
			<i>For >200 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-2.93	
05 75 00 00-0047	SF		0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	18.08	2.97
			<i>For >16 To 200, Deduct</i>	-1.20	
			<i>For >200 To 500, Deduct</i>	-2.40	
			<i>For >500, Deduct</i>	-3.31	
05 75 00 00-0048	SF		0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	19.96	3.21
			<i>For >16 To 200, Deduct</i>	-1.32	
			<i>For >200 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.64	

END OF SECTION 05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites ⁽⁰⁶⁾

06 01 20 Maintenance of Finish Carpentry ^(06 01)

06 01 20 91 Finish Carpentry Restoration ^(06 01 20)

06 01 20 91-0001	Wood Trim Repair ^(06 01 20 91)	9.66
06 01 20 91-0002	SF Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	9.66

06 01 40 Maintenance of Architectural Woodwork ^(06 01)

06 01 40 91 Architectural Woodwork Restoration ^(06 01 40)

06 01 40 91-0001	Cabinet Hardware Replacement ^(06 01 40 91)	
06 01 40 91-0002	EA Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	45.82
06 01 40 91-0003	EA Removal And Replacement Of Semi Concealed, Brass Cabinet Hinges	44.45

06 05 Common Work Results for Wood, Plastics, and Composites ⁽⁰⁶⁾

06 05 23 Wood, Plastic, and Composite Fastenings ^(06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts ^(06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt	18.35
	For >10 To 50, Deduct	-0.46
	For >50 To 100, Deduct	-1.14
	For >100 To 250, Deduct	-2.28
	For >250 To 500, Deduct	-3.88
	For >500, Deduct	-5.48
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	26.14
	For >10 To 50, Deduct	-0.49
	For >50 To 100, Deduct	-1.39
	For >100 To 250, Deduct	-2.78
	For >250 To 500, Deduct	-4.66
	For >500, Deduct	-6.54
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	29.17
	For >10 To 50, Deduct	-0.49
	For >50 To 100, Deduct	-1.47
	For >100 To 250, Deduct	-2.93
	For >250 To 500, Deduct	-4.89
	For >500, Deduct	-6.84
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt	62.50
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-2.57
	For >100 To 250, Deduct	-5.14
	For >250 To 500, Deduct	-8.38
	For >500, Deduct	-11.62

06 05 23 00-0006 Framing Anchors ^(06 05 23)

Note: Including nails.

06 05 23 00-0007	EA 1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	7.99	
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.75	
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-2.60	
	For >500, Deduct	-3.72	
06 05 23 00-0008	EA 1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	8.92	4.21
	For >10 To 50, Deduct	-0.41	
	For >50 To 100, Deduct	-0.84	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.92	
	For >500, Deduct	-4.17	

06 05 23 00-0009 Angle Anchors ^(06 05 23)

Note: Including nails.

06 05 23 00-0010	EA 2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	8.08	3.82
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.75	
	For >100 To 250, Deduct	-1.50	
	For >250 To 500, Deduct	-2.61	
	For >500, Deduct	-3.72	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0011	EA		2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23).....	8.84	4.08
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.80	
			<i>For >500, Deduct</i>	-4.00	
06 05 23 00-0012	EA		3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24).....	14.61	4.21
			<i>For >10 To 50, Deduct</i>	-0.41	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-3.35	
			<i>For >500, Deduct</i>	-4.74	
06 05 23 00-0013	EA		3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33).....	13.26	4.21
			<i>For >10 To 50, Deduct</i>	-0.41	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-3.25	
			<i>For >500, Deduct</i>	-4.60	
06 05 23 00-0014	EA		4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44).....	14.51	4.72
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 500, Deduct</i>	-3.57	
			<i>For >500, Deduct</i>	-5.06	
06 05 23 00-0015	EA		5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66).....	16.37	4.97
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-3.90	
			<i>For >500, Deduct</i>	-5.52	
06 05 23 00-0016			Reinforcing Angle Wood Construction Connectors (06 05 23)		
			Note: Including nails.		
06 05 23 00-0017	EA		3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30).....	8.80	3.57
			<i>For >10 To 50, Deduct</i>	-0.36	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-2.66	
			<i>For >500, Deduct</i>	-3.80	
06 05 23 00-0018	EA		5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50).....	10.72	3.82
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.85	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-4.16	
06 05 23 00-0019	EA		7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70).....	12.09	3.95
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-4.40	
06 05 23 00-0020	EA		9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90).....	13.38	4.08
			<i>For >10 To 50, Deduct</i>	-0.42	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100 To 250, Deduct</i>	-1.92	
			<i>For >250 To 500, Deduct</i>	-3.31	
			<i>For >500, Deduct</i>	-4.69	
06 05 23 00-0021	EA		3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30).....	9.53	3.57
			<i>For >10 To 50, Deduct</i>	-0.36	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 500, Deduct</i>	-2.72	
			<i>For >500, Deduct</i>	-3.87	
06 05 23 00-0022	EA		4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50).....	10.47	3.82
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.84	
			<i>For >100 To 250, Deduct</i>	-1.68	
			<i>For >250 To 500, Deduct</i>	-2.91	
			<i>For >500, Deduct</i>	-4.14	
06 05 23 00-0023	EA		6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70).....	12.03	3.95
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-3.09	
			<i>For >500, Deduct</i>	-4.39	
06 05 23 00-0024	EA		7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90).....	14.15	4.08
			<i>For >10 To 50, Deduct</i>	-0.42	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-3.36	
			<i>For >500, Deduct</i>	-4.76	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0025	Hold Down Anchors <small>(06 05 23)</small> Note: Including nails.		
06 05 23 00-0026	EA 8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	62.04	
	<i>For >10 To 50, Deduct</i>	-1.98	
	<i>For >50 To 100, Deduct</i>	-4.52	
	<i>For >100 To 250, Deduct</i>	-9.03	
	<i>For >250 To 500, Deduct</i>	-15.53	
	<i>For >500, Deduct</i>	-22.02	
06 05 23 00-0027	EA 9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	85.05	
	<i>For >10 To 50, Deduct</i>	-2.04	
	<i>For >50 To 100, Deduct</i>	-5.19	
	<i>For >100 To 250, Deduct</i>	-10.38	
	<i>For >250 To 500, Deduct</i>	-17.60	
	<i>For >500, Deduct</i>	-24.83	
06 05 23 00-0028	EA 12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	104.00	
	<i>For >10 To 50, Deduct</i>	-2.17	
	<i>For >50 To 100, Deduct</i>	-5.85	
	<i>For >100 To 250, Deduct</i>	-11.70	
	<i>For >250 To 500, Deduct</i>	-19.72	
	<i>For >500, Deduct</i>	-27.74	
06 05 23 00-0029	EA 14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	122.41	
	<i>For >10 To 50, Deduct</i>	-2.42	
	<i>For >50 To 100, Deduct</i>	-6.69	
	<i>For >100 To 250, Deduct</i>	-13.39	
	<i>For >250 To 500, Deduct</i>	-22.51	
	<i>For >500, Deduct</i>	-31.63	
06 05 23 00-0030	EA 20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	196.11	
	<i>For >10 To 50, Deduct</i>	-3.06	
	<i>For >50 To 100, Deduct</i>	-9.49	
	<i>For >100 To 250, Deduct</i>	-18.99	
	<i>For >250 To 500, Deduct</i>	-31.54	
	<i>For >500, Deduct</i>	-44.10	
06 05 23 00-0031	EA 24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	261.76	
	<i>For >10 To 50, Deduct</i>	-3.19	
	<i>For >50 To 100, Deduct</i>	-11.33	
	<i>For >100 To 250, Deduct</i>	-22.65	
	<i>For >250 To 500, Deduct</i>	-37.17	
	<i>For >500, Deduct</i>	-51.68	
06 05 23 00-0032	EA 8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	72.15	
	<i>For >10 To 50, Deduct</i>	-1.98	
	<i>For >50 To 100, Deduct</i>	-4.77	
	<i>For >100 To 250, Deduct</i>	-9.54	
	<i>For >250 To 500, Deduct</i>	-16.28	
	<i>For >500, Deduct</i>	-23.03	
06 05 23 00-0033	EA 10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	79.47	
	<i>For >10 To 50, Deduct</i>	-2.04	
	<i>For >50 To 100, Deduct</i>	-5.05	
	<i>For >100 To 250, Deduct</i>	-10.10	
	<i>For >250 To 500, Deduct</i>	-17.19	
	<i>For >500, Deduct</i>	-24.28	
06 05 23 00-0034	EA 13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	88.70	
	<i>For >10 To 50, Deduct</i>	-2.17	
	<i>For >50 To 100, Deduct</i>	-5.47	
	<i>For >100 To 250, Deduct</i>	-10.94	
	<i>For >250 To 500, Deduct</i>	-18.58	
	<i>For >500, Deduct</i>	-26.21	
06 05 23 00-0035	EA 16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	108.87	
	<i>For >10 To 50, Deduct</i>	-2.42	
	<i>For >50 To 100, Deduct</i>	-6.36	
	<i>For >100 To 250, Deduct</i>	-12.71	
	<i>For >250 To 500, Deduct</i>	-21.49	
	<i>For >500, Deduct</i>	-30.27	
06 05 23 00-0036	EA 22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	140.06	
	<i>For >10 To 50, Deduct</i>	-3.06	
	<i>For >50 To 100, Deduct</i>	-8.09	
	<i>For >100 To 250, Deduct</i>	-16.19	
	<i>For >250 To 500, Deduct</i>	-27.34	
	<i>For >500, Deduct</i>	-38.49	
06 05 23 00-0037	EA 25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	155.88	
	<i>For >10 To 50, Deduct</i>	-3.19	
	<i>For >50 To 100, Deduct</i>	-8.68	
	<i>For >100 To 250, Deduct</i>	-17.36	
	<i>For >250 To 500, Deduct</i>	-29.23	
	<i>For >500, Deduct</i>	-41.10	

06 05 23 00-0038	Joist And Beam Hangers <small>(06 05 23)</small> Note: Including nails.		
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06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24).....		8.45	3.57
		<i>For >10 To 50, Deduct</i>		-0.36	
		<i>For >50 To 100, Deduct</i>		-0.76	
		<i>For >100 To 250, Deduct</i>		-1.52	
		<i>For >250 To 500, Deduct</i>		-2.64	
		<i>For >500, Deduct</i>		-3.76	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28).....		9.36	3.82
		<i>For >10 To 50, Deduct</i>		-0.39	
		<i>For >50 To 100, Deduct</i>		-0.81	
		<i>For >100 To 250, Deduct</i>		-1.63	
		<i>For >250 To 500, Deduct</i>		-2.83	
		<i>For >500, Deduct</i>		-4.03	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36).....		12.76	3.95
		<i>For >10 To 50, Deduct</i>		-0.40	
		<i>For >50 To 100, Deduct</i>		-0.92	
		<i>For >100 To 250, Deduct</i>		-1.83	
		<i>For >250 To 500, Deduct</i>		-3.15	
		<i>For >500, Deduct</i>		-4.46	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310).....		13.85	4.08
		<i>For >10 To 50, Deduct</i>		-0.42	
		<i>For >50 To 100, Deduct</i>		-0.97	
		<i>For >100 To 250, Deduct</i>		-1.95	
		<i>For >250 To 500, Deduct</i>		-3.34	
		<i>For >500, Deduct</i>		-4.73	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46).....		20.66	4.34
		<i>For >10 To 50, Deduct</i>		-0.43	
		<i>For >50 To 100, Deduct</i>		-1.16	
		<i>For >100 To 250, Deduct</i>		-2.32	
		<i>For >250 To 500, Deduct</i>		-3.92	
		<i>For >500, Deduct</i>		-5.51	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412).....		24.44	4.47
		<i>For >10 To 50, Deduct</i>		-0.44	
		<i>For >50 To 100, Deduct</i>		-1.27	
		<i>For >100 To 250, Deduct</i>		-2.55	
		<i>For >250 To 500, Deduct</i>		-4.26	
		<i>For >500, Deduct</i>		-5.98	
06 05 23 00-0045		Anchor And Ties <small>(06 05 23)</small>			
		Note: Including nails.			
06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4).....		36.38	
		Note: Includes nails. Excludes anchor bolt.			
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5).....		45.05	
		Note: Includes nails. Excludes anchor bolt.			
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ).....		5.04	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ).....		5.63	
06 05 23 00-0050		Hurricane Ties <small>(06 05 23)</small>			
06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A).....		9.34	3.95
		<i>For >10 To 50, Deduct</i>		-0.44	
		<i>For >50 To 100, Deduct</i>		-0.89	
		<i>For >100 To 250, Deduct</i>		-1.79	
		<i>For >250 To 500, Deduct</i>		-3.12	
		<i>For >500, Deduct</i>		-4.45	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ).....		3.32	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS).....		8.44	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A).....		11.24	3.95
		<i>For >10 To 50, Deduct</i>		-0.44	
		<i>For >50 To 100, Deduct</i>		-0.94	
		<i>For >100 To 250, Deduct</i>		-1.88	
		<i>For >250 To 500, Deduct</i>		-3.26	
		<i>For >500, Deduct</i>		-4.64	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6).....		17.76	
06 05 23 00-0056		Post Column Bases <small>(06 05 23)</small>			
		Note: Including nails.			
06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44).....		34.51	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46).....		51.81	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66).....		53.33	
06 05 23 00-0060		Post Column Caps <small>(06 05 23)</small>			
		Note: Including nails.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0061 EA 4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	18.63	4.47
<i>For >10 To 50, Deduct</i>	-0.49	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100 To 250, Deduct</i>	-2.40	
<i>For >250 To 500, Deduct</i>	-4.10	
<i>For >500, Deduct</i>	-5.79	
06 05 23 00-0062 EA 6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	39.56	4.47
<i>For >10 To 50, Deduct</i>	-0.52	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100 To 250, Deduct</i>	-3.53	
<i>For >250 To 500, Deduct</i>	-5.82	
<i>For >500, Deduct</i>	-8.10	
06 05 23 00-0063 EA 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	193.79	
Note: Excludes field welding		
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-6.76	
<i>For >100 To 250, Deduct</i>	-13.52	
<i>For >250 To 500, Deduct</i>	-21.55	
<i>For >500, Deduct</i>	-29.58	
<i>For Hot Dipped Galvanized, Add</i>	75.73	
06 05 23 00-0064 EA 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	202.92	
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-7.22	
<i>For >100 To 250, Deduct</i>	-14.45	
<i>For >250 To 500, Deduct</i>	-23.11	
<i>For >500, Deduct</i>	-31.77	
<i>For Hot Dipped Galvanized, Add</i>	78.40	
06 05 23 00-0065 EA 4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)	126.37	
Note: Excludes field welding		
<i>For >10 To 50, Deduct</i>	-1.28	
<i>For >50 To 100, Deduct</i>	-5.07	
<i>For >100 To 250, Deduct</i>	-10.15	
<i>For >250 To 500, Deduct</i>	-16.49	
<i>For >500, Deduct</i>	-22.84	
<i>For Hot Dipped Galvanized, Add</i>	45.39	
06 05 23 00-0066 EA 4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	198.82	
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-7.12	
<i>For >100 To 250, Deduct</i>	-14.24	
<i>For >250 To 500, Deduct</i>	-22.80	
<i>For >500, Deduct</i>	-31.36	
<i>For Hot Dipped Galvanized, Add</i>	76.56	
06 05 23 00-0067 EA 4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)	207.67	
Note: Excludes field welding		
<i>For >10 To 50, Deduct</i>	-1.43	
<i>For >50 To 100, Deduct</i>	-7.34	
<i>For >100 To 250, Deduct</i>	-14.69	
<i>For >250 To 500, Deduct</i>	-23.47	
<i>For >500, Deduct</i>	-32.24	
<i>For Hot Dipped Galvanized, Add</i>	80.54	
06 05 23 00-0068 EA 6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	211.94	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-7.36	
<i>For >100 To 250, Deduct</i>	-14.71	
<i>For >250 To 500, Deduct</i>	-23.44	
<i>For >500, Deduct</i>	-32.16	
<i>For Hot Dipped Galvanized, Add</i>	83.03	
06 05 23 00-0069 EA 6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	214.49	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-7.61	
<i>For >100 To 250, Deduct</i>	-15.22	
<i>For >250 To 500, Deduct</i>	-24.33	
<i>For >500, Deduct</i>	-33.44	
<i>For Hot Dipped Galvanized, Add</i>	83.03	
06 05 23 00-0070 EA 6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	214.49	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-7.61	
<i>For >100 To 250, Deduct</i>	-15.22	
<i>For >250 To 500, Deduct</i>	-24.33	
<i>For >500, Deduct</i>	-33.44	
<i>For Hot Dipped Galvanized, Add</i>	83.03	
06 05 23 00-0071 EA 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	246.67	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-8.22	
<i>For >100 To 250, Deduct</i>	-16.45	
<i>For >250 To 500, Deduct</i>	-26.04	
<i>For >500, Deduct</i>	-35.64	
<i>For Hot Dipped Galvanized, Add</i>	98.66	
06 05 23 00-0072 EA 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	249.22	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-8.48	
<i>For >100 To 250, Deduct</i>	-16.96	
<i>For >250 To 500, Deduct</i>	-26.93	
<i>For >500, Deduct</i>	-36.91	
<i>For Hot Dipped Galvanized, Add</i>	98.66	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0073	EA		5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8).....	249.22	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-8.48	
			<i>For >100 To 250, Deduct</i>	-16.96	
			<i>For >250 To 500, Deduct</i>	-26.93	
			<i>For >500, Deduct</i>	-36.91	
			<i>For Hot Dipped Galvanized, Add</i>	96.66	
06 05 23 00-0074	EA		8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84).....	300.46	
			<i>For >10 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-9.57	
			<i>For >100 To 250, Deduct</i>	-19.14	
			<i>For >250 To 500, Deduct</i>	-30.08	
			<i>For >500, Deduct</i>	-41.01	
			<i>For Hot Dipped Galvanized, Add</i>	122.87	
06 05 23 00-0075	EA		8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86).....	303.01	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-9.82	
			<i>For >100 To 250, Deduct</i>	-19.65	
			<i>For >250 To 500, Deduct</i>	-30.97	
			<i>For >500, Deduct</i>	-42.29	
			<i>For Hot Dipped Galvanized, Add</i>	122.87	
06 05 23 00-0076	EA		8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88).....	303.01	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-9.82	
			<i>For >100 To 250, Deduct</i>	-19.65	
			<i>For >250 To 500, Deduct</i>	-30.97	
			<i>For >500, Deduct</i>	-42.29	
			<i>For Hot Dipped Galvanized, Add</i>	122.87	
06 05 23 00-0077	EA		3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4).....	193.79	
			Note: Excludes field welding		
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-6.76	
			<i>For >100 To 250, Deduct</i>	-13.52	
			<i>For >250 To 500, Deduct</i>	-21.55	
			<i>For >500, Deduct</i>	-29.58	
			<i>For Hot Dipped Galvanized, Add</i>	75.73	
06 05 23 00-0078	EA		3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6).....	202.92	
			<i>For >10 To 50, Deduct</i>	-1.43	
			<i>For >50 To 100, Deduct</i>	-7.22	
			<i>For >100 To 250, Deduct</i>	-14.45	
			<i>For >250 To 500, Deduct</i>	-23.11	
			<i>For >500, Deduct</i>	-31.77	
			<i>For Hot Dipped Galvanized, Add</i>	78.40	
06 05 23 00-0079	EA		4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44).....	126.37	
			Note: Excludes field welding		
			<i>For >10 To 50, Deduct</i>	-1.28	
			<i>For >50 To 100, Deduct</i>	-5.07	
			<i>For >100 To 250, Deduct</i>	-10.15	
			<i>For >250 To 500, Deduct</i>	-16.49	
			<i>For >500, Deduct</i>	-22.84	
			<i>For Hot Dipped Galvanized, Add</i>	45.39	
06 05 23 00-0080	EA		4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46).....	198.82	
			<i>For >10 To 50, Deduct</i>	-1.43	
			<i>For >50 To 100, Deduct</i>	-7.12	
			<i>For >100 To 250, Deduct</i>	-14.24	
			<i>For >250 To 500, Deduct</i>	-22.80	
			<i>For >500, Deduct</i>	-31.36	
			<i>For Hot Dipped Galvanized, Add</i>	76.56	
06 05 23 00-0081	EA		4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48).....	207.67	
			Note: Excludes field welding		
			<i>For >10 To 50, Deduct</i>	-1.43	
			<i>For >50 To 100, Deduct</i>	-7.34	
			<i>For >100 To 250, Deduct</i>	-14.69	
			<i>For >250 To 500, Deduct</i>	-23.47	
			<i>For >500, Deduct</i>	-32.24	
			<i>For Hot Dipped Galvanized, Add</i>	80.54	
06 05 23 00-0082	EA		6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64).....	211.94	
			<i>For >10 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-7.36	
			<i>For >100 To 250, Deduct</i>	-14.71	
			<i>For >250 To 500, Deduct</i>	-23.44	
			<i>For >500, Deduct</i>	-32.16	
			<i>For Hot Dipped Galvanized, Add</i>	83.03	
06 05 23 00-0083	EA		6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66).....	214.49	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-7.61	
			<i>For >100 To 250, Deduct</i>	-15.22	
			<i>For >250 To 500, Deduct</i>	-24.33	
			<i>For >500, Deduct</i>	-33.44	
			<i>For Hot Dipped Galvanized, Add</i>	83.03	
06 05 23 00-0084	EA		6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68).....	214.49	
			<i>For >10 To 50, Deduct</i>	-1.50	
			<i>For >50 To 100, Deduct</i>	-7.61	
			<i>For >100 To 250, Deduct</i>	-15.22	
			<i>For >250 To 500, Deduct</i>	-24.33	
			<i>For >500, Deduct</i>	-33.44	
			<i>For Hot Dipped Galvanized, Add</i>	83.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0085 EA 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4).....	246.67	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-8.22	
<i>For >100 To 250, Deduct</i>	-16.45	
<i>For >250 To 500, Deduct</i>	-26.04	
<i>For >500, Deduct</i>	-35.64	
<i>For Hot Dipped Galvanized, Add</i>	98.66	
06 05 23 00-0086 EA 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6).....	249.22	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-8.48	
<i>For >100 To 250, Deduct</i>	-16.96	
<i>For >250 To 500, Deduct</i>	-26.93	
<i>For >500, Deduct</i>	-36.91	
<i>For Hot Dipped Galvanized, Add</i>	98.66	
06 05 23 00-0087 EA 5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8).....	249.22	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-8.48	
<i>For >100 To 250, Deduct</i>	-16.96	
<i>For >250 To 500, Deduct</i>	-26.93	
<i>For >500, Deduct</i>	-36.91	
<i>For Hot Dipped Galvanized, Add</i>	98.66	
06 05 23 00-0088 EA 8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84).....	300.46	
<i>For >10 To 50, Deduct</i>	-1.37	
<i>For >50 To 100, Deduct</i>	-9.57	
<i>For >100 To 250, Deduct</i>	-19.14	
<i>For >250 To 500, Deduct</i>	-30.08	
<i>For >500, Deduct</i>	-41.01	
<i>For Hot Dipped Galvanized, Add</i>	122.87	
06 05 23 00-0089 EA 8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86).....	303.01	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-9.82	
<i>For >100 To 250, Deduct</i>	-19.65	
<i>For >250 To 500, Deduct</i>	-30.97	
<i>For >500, Deduct</i>	-42.29	
<i>For Hot Dipped Galvanized, Add</i>	122.87	
06 05 23 00-0090 EA 8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88).....	303.01	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-9.82	
<i>For >100 To 250, Deduct</i>	-19.65	
<i>For >250 To 500, Deduct</i>	-30.97	
<i>For >500, Deduct</i>	-42.29	
<i>For Hot Dipped Galvanized, Add</i>	122.87	
06 05 23 00-0091 Rafter Connectors <small>(06 05 23)</small>		
06 05 23 00-0092 EA Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR).....	10.95	3.95
<i>For >10 To 50, Deduct</i>	-0.44	
<i>For >50 To 100, Deduct</i>	-0.93	
<i>For >100 To 250, Deduct</i>	-1.87	
<i>For >250 To 500, Deduct</i>	-3.24	
<i>For >500, Deduct</i>	-4.61	
06 05 23 00-0093 Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0094 Carriage Bolts <small>(06 05 23 00-0093)</small>		
Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0094)</small>		
06 05 23 00-0096 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.02	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100 To 250, Deduct</i>	-3.34	
<i>For >250 To 500, Deduct</i>	-5.84	
<i>For >500, Deduct</i>	-8.33	
06 05 23 00-0097 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.22	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100 To 250, Deduct</i>	-3.35	
<i>For >250 To 500, Deduct</i>	-5.85	
<i>For >500, Deduct</i>	-8.35	
06 05 23 00-0098 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.34	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100 To 250, Deduct</i>	-3.35	
<i>For >250 To 500, Deduct</i>	-5.86	
<i>For >500, Deduct</i>	-8.37	
06 05 23 00-0099 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	20.24	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-1.94	
<i>For >100 To 250, Deduct</i>	-3.88	
<i>For >250 To 500, Deduct</i>	-6.78	
<i>For >500, Deduct</i>	-9.68	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0100	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.81	
	<i>For >10 To 50, Deduct</i>	-0.89	
	<i>For >50 To 100, Deduct</i>	-1.81	
	<i>For >100 To 250, Deduct</i>	-3.62	
	<i>For >250 To 500, Deduct</i>	-6.32	
	<i>For >500, Deduct</i>	-9.02	
06 05 23 00-0101	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.41	
	<i>For >10 To 50, Deduct</i>	-0.96	
	<i>For >50 To 100, Deduct</i>	-1.95	
	<i>For >100 To 250, Deduct</i>	-3.89	
	<i>For >250 To 500, Deduct</i>	-6.79	
	<i>For >500, Deduct</i>	-9.69	
06 05 23 00-0102	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.72	
	<i>For >10 To 50, Deduct</i>	-0.96	
	<i>For >50 To 100, Deduct</i>	-1.95	
	<i>For >100 To 250, Deduct</i>	-3.91	
	<i>For >250 To 500, Deduct</i>	-6.81	
	<i>For >500, Deduct</i>	-9.72	
06 05 23 00-0103	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.78	
	<i>For >10 To 50, Deduct</i>	-1.15	
	<i>For >50 To 100, Deduct</i>	-2.34	
	<i>For >100 To 250, Deduct</i>	-4.68	
	<i>For >250 To 500, Deduct</i>	-8.17	
	<i>For >500, Deduct</i>	-11.66	
06 05 23 00-0104	EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.99	
	<i>For >10 To 50, Deduct</i>	-1.21	
	<i>For >50 To 100, Deduct</i>	-2.49	
	<i>For >100 To 250, Deduct</i>	-4.99	
	<i>For >250 To 500, Deduct</i>	-8.69	
	<i>For >500, Deduct</i>	-12.40	
06 05 23 00-0105	EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.48	
	<i>For >10 To 50, Deduct</i>	-1.34	
	<i>For >50 To 100, Deduct</i>	-2.77	
	<i>For >100 To 250, Deduct</i>	-5.54	
	<i>For >250 To 500, Deduct</i>	-9.65	
	<i>For >500, Deduct</i>	-13.76	
06 05 23 00-0106	EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.07	
	<i>For >10 To 50, Deduct</i>	-0.96	
	<i>For >50 To 100, Deduct</i>	-1.96	
	<i>For >100 To 250, Deduct</i>	-3.92	
	<i>For >250 To 500, Deduct</i>	-6.84	
	<i>For >500, Deduct</i>	-9.76	
06 05 23 00-0107	EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.15	
	<i>For >10 To 50, Deduct</i>	-1.02	
	<i>For >50 To 100, Deduct</i>	-2.11	
	<i>For >100 To 250, Deduct</i>	-4.22	
	<i>For >250 To 500, Deduct</i>	-7.35	
	<i>For >500, Deduct</i>	-10.48	
06 05 23 00-0108	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.69	
	<i>For >10 To 50, Deduct</i>	-1.08	
	<i>For >50 To 100, Deduct</i>	-2.24	
	<i>For >100 To 250, Deduct</i>	-4.49	
	<i>For >250 To 500, Deduct</i>	-7.81	
	<i>For >500, Deduct</i>	-11.14	
06 05 23 00-0109	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.69	
	<i>For >10 To 50, Deduct</i>	-1.21	
	<i>For >50 To 100, Deduct</i>	-2.51	
	<i>For >100 To 250, Deduct</i>	-5.02	
	<i>For >250 To 500, Deduct</i>	-8.74	
	<i>For >500, Deduct</i>	-12.47	
06 05 23 00-0110	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.60	
	<i>For >10 To 50, Deduct</i>	-1.40	
	<i>For >50 To 100, Deduct</i>	-2.92	
	<i>For >100 To 250, Deduct</i>	-5.84	
	<i>For >250 To 500, Deduct</i>	-10.16	
	<i>For >500, Deduct</i>	-14.48	
06 05 23 00-0111	EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	36.61	
	<i>For >10 To 50, Deduct</i>	-1.53	
	<i>For >50 To 100, Deduct</i>	-3.21	
	<i>For >100 To 250, Deduct</i>	-6.42	
	<i>For >250 To 500, Deduct</i>	-11.16	
	<i>For >500, Deduct</i>	-15.91	
06 05 23 00-0112	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.15	
	<i>For >10 To 50, Deduct</i>	-1.15	
	<i>For >50 To 100, Deduct</i>	-2.45	
	<i>For >100 To 250, Deduct</i>	-4.90	
	<i>For >250 To 500, Deduct</i>	-8.50	
	<i>For >500, Deduct</i>	-12.10	
06 05 23 00-0113	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.68	
	<i>For >10 To 50, Deduct</i>	-1.21	
	<i>For >50 To 100, Deduct</i>	-2.61	
	<i>For >100 To 250, Deduct</i>	-5.22	
	<i>For >250 To 500, Deduct</i>	-9.04	
	<i>For >500, Deduct</i>	-12.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0114 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.07	
<i>For >10 To 50, Deduct</i>	-1.40	
<i>For >50 To 100, Deduct</i>	-3.06	
<i>For >100 To 250, Deduct</i>	-6.11	
<i>For >250 To 500, Deduct</i>	-10.57	
<i>For >500, Deduct</i>	-15.03	
06 05 23 00-0115 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	43.04	
<i>For >10 To 50, Deduct</i>	-1.47	
<i>For >50 To 100, Deduct</i>	-3.28	
<i>For >100 To 250, Deduct</i>	-6.55	
<i>For >250 To 500, Deduct</i>	-11.30	
<i>For >500, Deduct</i>	-16.04	
06 05 23 00-0116 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.72	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.56	
<i>For >100 To 250, Deduct</i>	-7.12	
<i>For >250 To 500, Deduct</i>	-12.27	
<i>For >500, Deduct</i>	-17.42	
06 05 23 00-0117 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.58	
<i>For >10 To 50, Deduct</i>	-1.66	
<i>For >50 To 100, Deduct</i>	-3.68	
<i>For >100 To 250, Deduct</i>	-7.35	
<i>For >250 To 500, Deduct</i>	-12.69	
<i>For >500, Deduct</i>	-18.02	
06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0094)</small>		
06 05 23 00-0119 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.37	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100 To 250, Deduct</i>	-3.36	
<i>For >250 To 500, Deduct</i>	-5.86	
<i>For >500, Deduct</i>	-8.37	
06 05 23 00-0120 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.73	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.69	
<i>For >100 To 250, Deduct</i>	-3.37	
<i>For >250 To 500, Deduct</i>	-5.89	
<i>For >500, Deduct</i>	-8.41	
06 05 23 00-0121 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.14	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100 To 250, Deduct</i>	-3.39	
<i>For >250 To 500, Deduct</i>	-5.92	
<i>For >500, Deduct</i>	-8.45	
06 05 23 00-0122 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.59	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-1.97	
<i>For >100 To 250, Deduct</i>	-3.95	
<i>For >250 To 500, Deduct</i>	-6.88	
<i>For >500, Deduct</i>	-9.81	
06 05 23 00-0123 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.30	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100 To 250, Deduct</i>	-3.64	
<i>For >250 To 500, Deduct</i>	-6.36	
<i>For >500, Deduct</i>	-9.07	
06 05 23 00-0124 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.17	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100 To 250, Deduct</i>	-3.93	
<i>For >250 To 500, Deduct</i>	-6.85	
<i>For >500, Deduct</i>	-9.77	
06 05 23 00-0125 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.62	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-1.98	
<i>For >100 To 250, Deduct</i>	-3.95	
<i>For >250 To 500, Deduct</i>	-6.88	
<i>For >500, Deduct</i>	-9.81	
06 05 23 00-0126 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.14	
<i>For >10 To 50, Deduct</i>	-1.15	
<i>For >50 To 100, Deduct</i>	-2.38	
<i>For >100 To 250, Deduct</i>	-4.75	
<i>For >250 To 500, Deduct</i>	-8.27	
<i>For >500, Deduct</i>	-11.80	
06 05 23 00-0127 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.52	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-2.53	
<i>For >100 To 250, Deduct</i>	-5.06	
<i>For >250 To 500, Deduct</i>	-8.81	
<i>For >500, Deduct</i>	-12.55	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.89	
		<i>For >10 To 50, Deduct</i>	-1.34	
		<i>For >50 To 100, Deduct</i>	-2.81	
		<i>For >100 To 250, Deduct</i>	-5.61	
		<i>For >250 To 500, Deduct</i>	-9.76	
		<i>For >500, Deduct</i>	-13.91	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.21	
		<i>For >10 To 50, Deduct</i>	-0.96	
		<i>For >50 To 100, Deduct</i>	-1.99	
		<i>For >100 To 250, Deduct</i>	-3.98	
		<i>For >250 To 500, Deduct</i>	-6.93	
		<i>For >500, Deduct</i>	-9.87	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.05	
		<i>For >10 To 50, Deduct</i>	-1.02	
		<i>For >50 To 100, Deduct</i>	-2.13	
		<i>For >100 To 250, Deduct</i>	-4.26	
		<i>For >250 To 500, Deduct</i>	-7.41	
		<i>For >500, Deduct</i>	-10.57	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.76	
		<i>For >10 To 50, Deduct</i>	-1.08	
		<i>For >50 To 100, Deduct</i>	-2.27	
		<i>For >100 To 250, Deduct</i>	-4.54	
		<i>For >250 To 500, Deduct</i>	-7.89	
		<i>For >500, Deduct</i>	-11.25	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.23	
		<i>For >10 To 50, Deduct</i>	-1.21	
		<i>For >50 To 100, Deduct</i>	-2.55	
		<i>For >100 To 250, Deduct</i>	-5.10	
		<i>For >250 To 500, Deduct</i>	-8.86	
		<i>For >500, Deduct</i>	-12.62	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.10	
		<i>For >10 To 50, Deduct</i>	-1.40	
		<i>For >50 To 100, Deduct</i>	-2.96	
		<i>For >100 To 250, Deduct</i>	-5.91	
		<i>For >250 To 500, Deduct</i>	-10.27	
		<i>For >500, Deduct</i>	-14.63	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.77	
		<i>For >10 To 50, Deduct</i>	-1.53	
		<i>For >50 To 100, Deduct</i>	-3.24	
		<i>For >100 To 250, Deduct</i>	-6.48	
		<i>For >250 To 500, Deduct</i>	-11.25	
		<i>For >500, Deduct</i>	-16.02	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.57	
		<i>For >10 To 50, Deduct</i>	-1.15	
		<i>For >50 To 100, Deduct</i>	-2.54	
		<i>For >100 To 250, Deduct</i>	-5.07	
		<i>For >250 To 500, Deduct</i>	-8.76	
		<i>For >500, Deduct</i>	-12.44	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.07	
		<i>For >10 To 50, Deduct</i>	-1.21	
		<i>For >50 To 100, Deduct</i>	-2.67	
		<i>For >100 To 250, Deduct</i>	-5.34	
		<i>For >250 To 500, Deduct</i>	-9.22	
		<i>For >500, Deduct</i>	-13.10	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.76	
		<i>For >10 To 50, Deduct</i>	-1.40	
		<i>For >50 To 100, Deduct</i>	-3.10	
		<i>For >100 To 250, Deduct</i>	-6.20	
		<i>For >250 To 500, Deduct</i>	-10.70	
		<i>For >500, Deduct</i>	-15.20	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	42.91	
		<i>For >10 To 50, Deduct</i>	-1.47	
		<i>For >50 To 100, Deduct</i>	-3.27	
		<i>For >100 To 250, Deduct</i>	-6.55	
		<i>For >250 To 500, Deduct</i>	-11.29	
		<i>For >500, Deduct</i>	-16.03	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	48.93	
		<i>For >10 To 50, Deduct</i>	-1.59	
		<i>For >50 To 100, Deduct</i>	-3.61	
		<i>For >100 To 250, Deduct</i>	-7.23	
		<i>For >250 To 500, Deduct</i>	-12.44	
		<i>For >500, Deduct</i>	-17.65	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	52.18	
		<i>For >10 To 50, Deduct</i>	-1.66	
		<i>For >50 To 100, Deduct</i>	-3.79	
		<i>For >100 To 250, Deduct</i>	-7.58	
		<i>For >250 To 500, Deduct</i>	-13.03	
		<i>For >500, Deduct</i>	-18.48	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0094)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0142 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.51	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.71	
<i>For >100 To 250, Deduct</i>	-3.41	
<i>For >250 To 500, Deduct</i>	-5.95	
<i>For >500, Deduct</i>	-8.48	
06 05 23 00-0143 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.63	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100 To 250, Deduct</i>	-3.52	
<i>For >250 To 500, Deduct</i>	-6.11	
<i>For >500, Deduct</i>	-8.70	
06 05 23 00-0144 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.01	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.79	
<i>For >100 To 250, Deduct</i>	-3.59	
<i>For >250 To 500, Deduct</i>	-6.21	
<i>For >500, Deduct</i>	-8.83	
06 05 23 00-0145 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	39.47	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-2.42	
<i>For >100 To 250, Deduct</i>	-4.84	
<i>For >250 To 500, Deduct</i>	-8.22	
<i>For >500, Deduct</i>	-11.60	
06 05 23 00-0146 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.74	
<i>For >10 To 50, Deduct</i>	-0.89	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100 To 250, Deduct</i>	-3.76	
<i>For >250 To 500, Deduct</i>	-6.54	
<i>For >500, Deduct</i>	-9.31	
06 05 23 00-0147 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.09	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-2.09	
<i>For >100 To 250, Deduct</i>	-4.17	
<i>For >250 To 500, Deduct</i>	-7.22	
<i>For >500, Deduct</i>	-10.26	
06 05 23 00-0148 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.75	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-2.10	
<i>For >100 To 250, Deduct</i>	-4.21	
<i>For >250 To 500, Deduct</i>	-7.27	
<i>For >500, Deduct</i>	-10.33	
06 05 23 00-0149 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	52.66	
<i>For >10 To 50, Deduct</i>	-1.15	
<i>For >50 To 100, Deduct</i>	-3.04	
<i>For >100 To 250, Deduct</i>	-6.08	
<i>For >250 To 500, Deduct</i>	-10.26	
<i>For >500, Deduct</i>	-14.45	
06 05 23 00-0150 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	64.95	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-3.44	
<i>For >100 To 250, Deduct</i>	-6.88	
<i>For >250 To 500, Deduct</i>	-11.54	
<i>For >500, Deduct</i>	-16.19	
06 05 23 00-0151 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	72.86	
<i>For >10 To 50, Deduct</i>	-1.34	
<i>For >50 To 100, Deduct</i>	-3.83	
<i>For >100 To 250, Deduct</i>	-7.66	
<i>For >250 To 500, Deduct</i>	-12.83	
<i>For >500, Deduct</i>	-18.00	
06 05 23 00-0152 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.56	
<i>For >10 To 50, Deduct</i>	-0.96	
<i>For >50 To 100, Deduct</i>	-2.15	
<i>For >100 To 250, Deduct</i>	-4.30	
<i>For >250 To 500, Deduct</i>	-7.40	
<i>For >500, Deduct</i>	-10.51	
06 05 23 00-0153 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	32.78	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.35	
<i>For >100 To 250, Deduct</i>	-4.70	
<i>For >250 To 500, Deduct</i>	-8.07	
<i>For >500, Deduct</i>	-11.44	
06 05 23 00-0154 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	40.49	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-2.64	
<i>For >100 To 250, Deduct</i>	-5.28	
<i>For >250 To 500, Deduct</i>	-9.00	
<i>For >500, Deduct</i>	-12.72	
06 05 23 00-0155 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	66.90	
<i>For >10 To 50, Deduct</i>	-1.21	
<i>For >50 To 100, Deduct</i>	-3.49	
<i>For >100 To 250, Deduct</i>	-6.98	
<i>For >250 To 500, Deduct</i>	-11.68	
<i>For >500, Deduct</i>	-16.39	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0156	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	75.39	
			<i>For >10 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-3.99	
			<i>For >100 To 250, Deduct</i>	-7.98	
			<i>For >250 To 500, Deduct</i>	-13.37	
			<i>For >500, Deduct</i>	-18.76	
06 05 23 00-0157	EA		1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	121.67	
			<i>For >10 To 50, Deduct</i>	-1.53	
			<i>For >50 To 100, Deduct</i>	-5.34	
			<i>For >100 To 250, Deduct</i>	-10.68	
			<i>For >250 To 500, Deduct</i>	-17.54	
			<i>For >500, Deduct</i>	-24.41	
06 05 23 00-0158	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	94.38	
			<i>For >10 To 50, Deduct</i>	-1.21	
			<i>For >50 To 100, Deduct</i>	-4.18	
			<i>For >100 To 250, Deduct</i>	-8.36	
			<i>For >250 To 500, Deduct</i>	-13.74	
			<i>For >500, Deduct</i>	-19.13	
06 05 23 00-0159	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	135.18	
			<i>For >10 To 50, Deduct</i>	-1.40	
			<i>For >50 To 100, Deduct</i>	-5.48	
			<i>For >100 To 250, Deduct</i>	-10.97	
			<i>For >250 To 500, Deduct</i>	-17.86	
			<i>For >500, Deduct</i>	-24.74	
06 05 23 00-0160	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	150.23	
			<i>For >10 To 50, Deduct</i>	-1.47	
			<i>For >50 To 100, Deduct</i>	-5.96	
			<i>For >100 To 250, Deduct</i>	-11.91	
			<i>For >250 To 500, Deduct</i>	-19.34	
			<i>For >500, Deduct</i>	-26.76	
06 05 23 00-0161	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	224.55	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-8.00	
			<i>For >100 To 250, Deduct</i>	-16.01	
			<i>For >250 To 500, Deduct</i>	-25.61	
			<i>For >500, Deduct</i>	-35.21	
06 05 23 00-0162	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	236.30	
			<i>For >10 To 50, Deduct</i>	-1.66	
			<i>For >50 To 100, Deduct</i>	-8.39	
			<i>For >100 To 250, Deduct</i>	-16.79	
			<i>For >250 To 500, Deduct</i>	-26.84	
			<i>For >500, Deduct</i>	-36.89	
06 05 23 00-0163			316 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0094)</small>		
06 05 23 00-0164	EA		1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	28.29	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100 To 250, Deduct</i>	-3.90	
			<i>For >250 To 500, Deduct</i>	-6.68	
			<i>For >500, Deduct</i>	-9.46	
06 05 23 00-0165	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	32.00	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-2.04	
			<i>For >100 To 250, Deduct</i>	-4.09	
			<i>For >250 To 500, Deduct</i>	-6.96	
			<i>For >500, Deduct</i>	-9.83	
06 05 23 00-0166	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	34.53	
			<i>For >10 To 50, Deduct</i>	-0.89	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100 To 250, Deduct</i>	-4.40	
			<i>For >250 To 500, Deduct</i>	-7.50	
			<i>For >500, Deduct</i>	-10.59	
06 05 23 00-0167	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	40.97	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100 To 250, Deduct</i>	-4.92	
			<i>For >250 To 500, Deduct</i>	-8.33	
			<i>For >500, Deduct</i>	-11.75	
06 05 23 00-0168	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	57.49	
			<i>For >10 To 50, Deduct</i>	-0.96	
			<i>For >50 To 100, Deduct</i>	-2.87	
			<i>For >100 To 250, Deduct</i>	-5.74	
			<i>For >250 To 500, Deduct</i>	-9.57	
			<i>For >500, Deduct</i>	-13.40	
06 05 23 00-0169	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	62.77	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-3.10	
			<i>For >100 To 250, Deduct</i>	-6.20	
			<i>For >250 To 500, Deduct</i>	-10.32	
			<i>For >500, Deduct</i>	-14.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0170 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	67.74	
<i>For >10 To 50, Deduct</i>	-1.08	
<i>For >50 To 100, Deduct</i>	-3.32	
<i>For >100 To 250, Deduct</i>	-6.64	
<i>For >250 To 500, Deduct</i>	-11.04	
<i>For >500, Deduct</i>	-15.45	
06 05 23 00-0171 Hex Lag Bolts <small>(06 05 23 00-0093)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts <small>(06 05 23 00-0171)</small>		
06 05 23 00-0173 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	16.22	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.60	
<i>For >100 To 250, Deduct</i>	-3.20	
<i>For >250 To 500, Deduct</i>	-5.60	
<i>For >500, Deduct</i>	-8.00	
06 05 23 00-0174 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	16.39	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100 To 250, Deduct</i>	-3.21	
<i>For >250 To 500, Deduct</i>	-5.62	
<i>For >500, Deduct</i>	-8.02	
06 05 23 00-0175 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	16.73	
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100 To 250, Deduct</i>	-3.23	
<i>For >250 To 500, Deduct</i>	-5.64	
<i>For >500, Deduct</i>	-8.05	
06 05 23 00-0176 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	17.89	
<i>For >10 To 50, Deduct</i>	-0.87	
<i>For >50 To 100, Deduct</i>	-1.75	
<i>For >100 To 250, Deduct</i>	-3.50	
<i>For >250 To 500, Deduct</i>	-6.12	
<i>For >500, Deduct</i>	-8.74	
06 05 23 00-0177 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	19.46	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-1.88	
<i>For >100 To 250, Deduct</i>	-3.77	
<i>For >250 To 500, Deduct</i>	-6.58	
<i>For >500, Deduct</i>	-9.39	
06 05 23 00-0178 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	19.84	
<i>For >10 To 50, Deduct</i>	-0.93	
<i>For >50 To 100, Deduct</i>	-1.89	
<i>For >100 To 250, Deduct</i>	-3.79	
<i>For >250 To 500, Deduct</i>	-6.61	
<i>For >500, Deduct</i>	-9.43	
06 05 23 00-0179 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	24.33	
<i>For >10 To 50, Deduct</i>	-1.12	
<i>For >50 To 100, Deduct</i>	-2.28	
<i>For >100 To 250, Deduct</i>	-4.57	
<i>For >250 To 500, Deduct</i>	-7.97	
<i>For >500, Deduct</i>	-11.37	
06 05 23 00-0180 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.79	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.41	
<i>For >100 To 250, Deduct</i>	-4.83	
<i>For >250 To 500, Deduct</i>	-8.42	
<i>For >500, Deduct</i>	-12.01	
06 05 23 00-0181 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	19.85	
<i>For >10 To 50, Deduct</i>	-0.94	
<i>For >50 To 100, Deduct</i>	-1.90	
<i>For >100 To 250, Deduct</i>	-3.81	
<i>For >250 To 500, Deduct</i>	-6.65	
<i>For >500, Deduct</i>	-9.49	
06 05 23 00-0182 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	21.64	
<i>For >10 To 50, Deduct</i>	-1.00	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100 To 250, Deduct</i>	-4.08	
<i>For >250 To 500, Deduct</i>	-7.13	
<i>For >500, Deduct</i>	-10.17	
06 05 23 00-0183 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	23.60	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100 To 250, Deduct</i>	-4.37	
<i>For >250 To 500, Deduct</i>	-7.62	
<i>For >500, Deduct</i>	-10.86	
06 05 23 00-0184 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	26.89	
<i>For >10 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-2.45	
<i>For >100 To 250, Deduct</i>	-4.91	
<i>For >250 To 500, Deduct</i>	-8.55	
<i>For >500, Deduct</i>	-12.19	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0185	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	31.73	
	<i>For >10 To 50, Deduct</i>	-1.38	
	<i>For >50 To 100, Deduct</i>	-2.86	
	<i>For >100 To 250, Deduct</i>	-5.71	
	<i>For >250 To 500, Deduct</i>	-9.94	
	<i>For >500, Deduct</i>	-14.17	
06 05 23 00-0186	EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	34.63	
	<i>For >10 To 50, Deduct</i>	-1.50	
	<i>For >50 To 100, Deduct</i>	-3.12	
	<i>For >100 To 250, Deduct</i>	-6.23	
	<i>For >250 To 500, Deduct</i>	-10.85	
	<i>For >500, Deduct</i>	-15.46	
06 05 23 00-0187	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	29.18	
	<i>For >10 To 50, Deduct</i>	-1.19	
	<i>For >50 To 100, Deduct</i>	-2.51	
	<i>For >100 To 250, Deduct</i>	-5.02	
	<i>For >250 To 500, Deduct</i>	-8.72	
	<i>For >500, Deduct</i>	-12.42	
06 05 23 00-0188	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	34.90	
	<i>For >10 To 50, Deduct</i>	-1.38	
	<i>For >50 To 100, Deduct</i>	-2.94	
	<i>For >100 To 250, Deduct</i>	-5.87	
	<i>For >250 To 500, Deduct</i>	-10.18	
	<i>For >500, Deduct</i>	-14.49	
06 05 23 00-0189	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	38.76	
	<i>For >10 To 50, Deduct</i>	-1.44	
	<i>For >50 To 100, Deduct</i>	-3.13	
	<i>For >100 To 250, Deduct</i>	-6.25	
	<i>For >250 To 500, Deduct</i>	-10.81	
	<i>For >500, Deduct</i>	-15.38	
06 05 23 00-0190	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	43.66	
	<i>For >10 To 50, Deduct</i>	-1.56	
	<i>For >50 To 100, Deduct</i>	-3.44	
	<i>For >100 To 250, Deduct</i>	-6.87	
	<i>For >250 To 500, Deduct</i>	-11.87	
	<i>For >500, Deduct</i>	-16.87	
06 05 23 00-0191	EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	49.10	
	<i>For >10 To 50, Deduct</i>	-1.63	
	<i>For >50 To 100, Deduct</i>	-3.67	
	<i>For >100 To 250, Deduct</i>	-7.33	
	<i>For >250 To 500, Deduct</i>	-12.62	
	<i>For >500, Deduct</i>	-17.91	
06 05 23 00-0192	Hot Dipped Galvanized Steel, Hex Lag Bolts <small>(06 05 23 00-0171)</small>		
06 05 23 00-0193	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.30	
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-1.60	
	<i>For >100 To 250, Deduct</i>	-3.21	
	<i>For >250 To 500, Deduct</i>	-5.61	
	<i>For >500, Deduct</i>	-8.01	
06 05 23 00-0194	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.56	
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-1.61	
	<i>For >100 To 250, Deduct</i>	-3.22	
	<i>For >250 To 500, Deduct</i>	-5.63	
	<i>For >500, Deduct</i>	-8.04	
06 05 23 00-0195	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.83	
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-1.62	
	<i>For >100 To 250, Deduct</i>	-3.23	
	<i>For >250 To 500, Deduct</i>	-5.65	
	<i>For >500, Deduct</i>	-8.06	
06 05 23 00-0196	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.04	
	<i>For >10 To 50, Deduct</i>	-0.87	
	<i>For >50 To 100, Deduct</i>	-1.75	
	<i>For >100 To 250, Deduct</i>	-3.51	
	<i>For >250 To 500, Deduct</i>	-6.13	
	<i>For >500, Deduct</i>	-8.76	
06 05 23 00-0197	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.69	
	<i>For >10 To 50, Deduct</i>	-0.93	
	<i>For >50 To 100, Deduct</i>	-1.89	
	<i>For >100 To 250, Deduct</i>	-3.78	
	<i>For >250 To 500, Deduct</i>	-6.60	
	<i>For >500, Deduct</i>	-9.42	
06 05 23 00-0198	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.11	
	<i>For >10 To 50, Deduct</i>	-0.93	
	<i>For >50 To 100, Deduct</i>	-1.90	
	<i>For >100 To 250, Deduct</i>	-3.80	
	<i>For >250 To 500, Deduct</i>	-6.63	
	<i>For >500, Deduct</i>	-9.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0199 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.84	
<i>For >10 To 50, Deduct</i>	-1.12	
<i>For >50 To 100, Deduct</i>	-2.30	
<i>For >100 To 250, Deduct</i>	-4.59	
<i>For >250 To 500, Deduct</i>	-8.01	
<i>For >500, Deduct</i>	-11.42	
06 05 23 00-0200 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.65	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-2.43	
<i>For >100 To 250, Deduct</i>	-4.87	
<i>For >250 To 500, Deduct</i>	-8.48	
<i>For >500, Deduct</i>	-12.10	
06 05 23 00-0201 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.23	
<i>For >10 To 50, Deduct</i>	-0.94	
<i>For >50 To 100, Deduct</i>	-1.91	
<i>For >100 To 250, Deduct</i>	-3.83	
<i>For >250 To 500, Deduct</i>	-6.68	
<i>For >500, Deduct</i>	-9.53	
06 05 23 00-0202 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.86	
<i>For >10 To 50, Deduct</i>	-1.00	
<i>For >50 To 100, Deduct</i>	-2.05	
<i>For >100 To 250, Deduct</i>	-4.09	
<i>For >250 To 500, Deduct</i>	-7.14	
<i>For >500, Deduct</i>	-10.19	
06 05 23 00-0203 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.98	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.19	
<i>For >100 To 250, Deduct</i>	-4.39	
<i>For >250 To 500, Deduct</i>	-7.65	
<i>For >500, Deduct</i>	-10.90	
06 05 23 00-0204 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	28.05	
<i>For >10 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-2.48	
<i>For >100 To 250, Deduct</i>	-4.97	
<i>For >250 To 500, Deduct</i>	-8.64	
<i>For >500, Deduct</i>	-12.31	
06 05 23 00-0205 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	32.29	
<i>For >10 To 50, Deduct</i>	-1.38	
<i>For >50 To 100, Deduct</i>	-2.87	
<i>For >100 To 250, Deduct</i>	-5.74	
<i>For >250 To 500, Deduct</i>	-9.98	
<i>For >500, Deduct</i>	-14.23	
06 05 23 00-0206 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	36.01	
<i>For >10 To 50, Deduct</i>	-1.50	
<i>For >50 To 100, Deduct</i>	-3.15	
<i>For >100 To 250, Deduct</i>	-6.30	
<i>For >250 To 500, Deduct</i>	-10.95	
<i>For >500, Deduct</i>	-15.60	
06 05 23 00-0207 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	30.04	
<i>For >10 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-2.53	
<i>For >100 To 250, Deduct</i>	-5.06	
<i>For >250 To 500, Deduct</i>	-8.78	
<i>For >500, Deduct</i>	-12.50	
06 05 23 00-0208 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	35.68	
<i>For >10 To 50, Deduct</i>	-1.38	
<i>For >50 To 100, Deduct</i>	-2.95	
<i>For >100 To 250, Deduct</i>	-5.91	
<i>For >250 To 500, Deduct</i>	-10.24	
<i>For >500, Deduct</i>	-14.57	
06 05 23 00-0209 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	40.06	
<i>For >10 To 50, Deduct</i>	-1.44	
<i>For >50 To 100, Deduct</i>	-3.16	
<i>For >100 To 250, Deduct</i>	-6.32	
<i>For >250 To 500, Deduct</i>	-10.91	
<i>For >500, Deduct</i>	-15.51	
06 05 23 00-0210 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	46.72	
<i>For >10 To 50, Deduct</i>	-1.56	
<i>For >50 To 100, Deduct</i>	-3.51	
<i>For >100 To 250, Deduct</i>	-7.03	
<i>For >250 To 500, Deduct</i>	-12.10	
<i>For >500, Deduct</i>	-17.18	
06 05 23 00-0211 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	52.39	
<i>For >10 To 50, Deduct</i>	-1.63	
<i>For >50 To 100, Deduct</i>	-3.75	
<i>For >100 To 250, Deduct</i>	-7.50	
<i>For >250 To 500, Deduct</i>	-12.87	
<i>For >500, Deduct</i>	-18.24	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0171)

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0213	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.28	
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-1.63	
	<i>For >100 To 250, Deduct</i>	-3.26	
	<i>For >250 To 500, Deduct</i>	-5.68	
	<i>For >500, Deduct</i>	-8.11	
06 05 23 00-0214	EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.27	
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-1.65	
	<i>For >100 To 250, Deduct</i>	-3.31	
	<i>For >250 To 500, Deduct</i>	-5.76	
	<i>For >500, Deduct</i>	-8.21	
06 05 23 00-0215	EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.97	
	<i>For >10 To 50, Deduct</i>	-0.80	
	<i>For >50 To 100, Deduct</i>	-1.72	
	<i>For >100 To 250, Deduct</i>	-3.44	
	<i>For >250 To 500, Deduct</i>	-5.96	
	<i>For >500, Deduct</i>	-8.48	
06 05 23 00-0216	EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.78	
	<i>For >10 To 50, Deduct</i>	-0.87	
	<i>For >50 To 100, Deduct</i>	-1.82	
	<i>For >100 To 250, Deduct</i>	-3.65	
	<i>For >250 To 500, Deduct</i>	-6.34	
	<i>For >500, Deduct</i>	-9.03	
06 05 23 00-0217	EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	23.52	
	<i>For >10 To 50, Deduct</i>	-0.93	
	<i>For >50 To 100, Deduct</i>	-1.98	
	<i>For >100 To 250, Deduct</i>	-3.97	
	<i>For >250 To 500, Deduct</i>	-6.88	
	<i>For >500, Deduct</i>	-9.80	
06 05 23 00-0218	EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.24	
	<i>For >10 To 50, Deduct</i>	-0.93	
	<i>For >50 To 100, Deduct</i>	-2.03	
	<i>For >100 To 250, Deduct</i>	-4.06	
	<i>For >250 To 500, Deduct</i>	-7.01	
	<i>For >500, Deduct</i>	-9.97	
06 05 23 00-0219	EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	52.95	
	<i>For >10 To 50, Deduct</i>	-1.12	
	<i>For >50 To 100, Deduct</i>	-3.00	
	<i>For >100 To 250, Deduct</i>	-6.00	
	<i>For >250 To 500, Deduct</i>	-10.11	
	<i>For >500, Deduct</i>	-14.23	
06 05 23 00-0220	EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	75.19	
	<i>For >10 To 50, Deduct</i>	-1.18	
	<i>For >50 To 100, Deduct</i>	-3.65	
	<i>For >100 To 250, Deduct</i>	-7.30	
	<i>For >250 To 500, Deduct</i>	-12.12	
	<i>For >500, Deduct</i>	-16.95	
06 05 23 00-0221	EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.44	
	<i>For >10 To 50, Deduct</i>	-0.94	
	<i>For >50 To 100, Deduct</i>	-2.04	
	<i>For >100 To 250, Deduct</i>	-4.09	
	<i>For >250 To 500, Deduct</i>	-7.07	
	<i>For >500, Deduct</i>	-10.05	
06 05 23 00-0222	EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	30.28	
	<i>For >10 To 50, Deduct</i>	-1.00	
	<i>For >50 To 100, Deduct</i>	-2.26	
	<i>For >100 To 250, Deduct</i>	-4.52	
	<i>For >250 To 500, Deduct</i>	-7.77	
	<i>For >500, Deduct</i>	-11.03	
06 05 23 00-0223	EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	37.75	
	<i>For >10 To 50, Deduct</i>	-1.06	
	<i>For >50 To 100, Deduct</i>	-2.54	
	<i>For >100 To 250, Deduct</i>	-5.08	
	<i>For >250 To 500, Deduct</i>	-8.68	
	<i>For >500, Deduct</i>	-12.28	
06 05 23 00-0224	EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	80.22	
	<i>For >10 To 50, Deduct</i>	-1.19	
	<i>For >50 To 100, Deduct</i>	-3.79	
	<i>For >100 To 250, Deduct</i>	-7.57	
	<i>For >250 To 500, Deduct</i>	-12.55	
	<i>For >500, Deduct</i>	-17.52	
06 05 23 00-0225	EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	109.68	
	<i>For >10 To 50, Deduct</i>	-1.38	
	<i>For >50 To 100, Deduct</i>	-4.80	
	<i>For >100 To 250, Deduct</i>	-9.61	
	<i>For >250 To 500, Deduct</i>	-15.79	
	<i>For >500, Deduct</i>	-21.97	
06 05 23 00-0226	EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	128.33	
	<i>For >10 To 50, Deduct</i>	-1.50	
	<i>For >50 To 100, Deduct</i>	-5.46	
	<i>For >100 To 250, Deduct</i>	-10.92	
	<i>For >250 To 500, Deduct</i>	-17.87	
	<i>For >500, Deduct</i>	-24.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0227 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	119.46	
<i>For >10 To 50, Deduct</i>	-1.19	
<i>For >50 To 100, Deduct</i>	-4.77	
<i>For >100 To 250, Deduct</i>	-9.54	
<i>For >250 To 500, Deduct</i>	-15.49	
<i>For >500, Deduct</i>	-21.45	
06 05 23 00-0228 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	136.51	
<i>For >10 To 50, Deduct</i>	-1.38	
<i>For >50 To 100, Deduct</i>	-5.48	
<i>For >100 To 250, Deduct</i>	-10.95	
<i>For >250 To 500, Deduct</i>	-17.80	
<i>For >500, Deduct</i>	-24.65	
06 05 23 00-0229 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	142.04	
<i>For >10 To 50, Deduct</i>	-1.44	
<i>For >50 To 100, Deduct</i>	-5.71	
<i>For >100 To 250, Deduct</i>	-11.41	
<i>For >250 To 500, Deduct</i>	-18.56	
<i>For >500, Deduct</i>	-25.70	
06 05 23 00-0230 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	197.68	
<i>For >10 To 50, Deduct</i>	-1.56	
<i>For >50 To 100, Deduct</i>	-7.29	
<i>For >100 To 250, Deduct</i>	-14.57	
<i>For >250 To 500, Deduct</i>	-23.42	
<i>For >500, Deduct</i>	-32.27	
06 05 23 00-0231 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	215.87	
<i>For >10 To 50, Deduct</i>	-1.63	
<i>For >50 To 100, Deduct</i>	-7.84	
<i>For >100 To 250, Deduct</i>	-15.67	
<i>For >250 To 500, Deduct</i>	-25.13	
<i>For >500, Deduct</i>	-34.59	
06 05 23 00-0232 Stainless Steel Screws <small>(06 05 23 00-0093)</small>		
06 05 23 00-0233 EA #8 x 1-1/2" Stainless Steel Screw.....	2.49	
06 05 23 00-0234 EA #9 x 1-1/2" Stainless Steel Screw.....	2.53	
06 05 23 00-0235 EA #10 x 1-1/2" Stainless Steel Screw.....	2.60	
06 05 23 00-0236 EA #12 x 1-1/2" Stainless Steel Screw.....	2.78	
06 05 23 00-0237 Galvanized Steel Screws <small>(06 05 23 00-0093)</small>		
06 05 23 00-0238 EA #8 x 1-1/2" Galvanized Steel Screw.....	2.32	
06 05 23 00-0239 EA #9 x 1-1/2" Galvanized Steel Screw.....	2.37	
06 05 23 00-0240 EA #10 x 1-1/2" Galvanized Steel Screw.....	2.42	
06 05 23 00-0241 EA #12 x 1-1/2" Galvanized Steel Screw.....	2.57	
06 05 23 00-0242 EA #8 x 2-1/2" Galvanized Steel Screw.....	2.36	
06 05 23 00-0243 EA #9 x 2-1/2" Galvanized Steel Screw.....	2.40	
06 05 23 00-0244 EA #10 x 2-1/2" Galvanized Steel Screw.....	2.46	
06 05 23 00-0245 EA #12 x 2-1/2" Galvanized Steel Screw.....	2.65	
06 05 23 00-0246 Timber Bolts <small>(06 05 23 00-0093)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0247 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914).....	41.77	
<i>For >10 To 50, Deduct</i>	-1.32	
<i>For >50 To 100, Deduct</i>	-3.03	
<i>For >100 To 250, Deduct</i>	-6.05	
<i>For >250 To 500, Deduct</i>	-10.40	
<i>For >500, Deduct</i>	-14.75	
06 05 23 00-0248 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915).....	47.23	
<i>For >10 To 50, Deduct</i>	-1.48	
<i>For >50 To 100, Deduct</i>	-3.40	
<i>For >100 To 250, Deduct</i>	-6.80	
<i>For >250 To 500, Deduct</i>	-11.67	
<i>For >500, Deduct</i>	-16.55	
06 05 23 00-0249 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916).....	51.07	
<i>For >10 To 50, Deduct</i>	-1.58	
<i>For >50 To 100, Deduct</i>	-3.64	
<i>For >100 To 250, Deduct</i>	-7.28	
<i>For >250 To 500, Deduct</i>	-12.49	
<i>For >500, Deduct</i>	-17.71	
06 05 23 00-0250 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917).....	57.11	
<i>For >10 To 50, Deduct</i>	-1.67	
<i>For >50 To 100, Deduct</i>	-3.93	
<i>For >100 To 250, Deduct</i>	-7.85	
<i>For >250 To 500, Deduct</i>	-13.44	
<i>For >500, Deduct</i>	-19.03	
06 05 23 00-0251 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918).....	60.82	
<i>For >10 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-4.15	
<i>For >100 To 250, Deduct</i>	-8.31	
<i>For >250 To 500, Deduct</i>	-14.21	
<i>For >500, Deduct</i>	-20.12	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0252	EA 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	63.13	
	<i>For >10 To 50, Deduct</i>	-1.83	
	<i>For >50 To 100, Deduct</i>	-4.33	
	<i>For >100 To 250, Deduct</i>	-8.65	
	<i>For >250 To 500, Deduct</i>	-14.81	
	<i>For >500, Deduct</i>	-20.97	
06 05 23 00-0253	EA 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	56.78	
	<i>For >10 To 50, Deduct</i>	-1.58	
	<i>For >50 To 100, Deduct</i>	-3.78	
	<i>For >100 To 250, Deduct</i>	-7.56	
	<i>For >250 To 500, Deduct</i>	-12.92	
	<i>For >500, Deduct</i>	-18.28	
06 05 23 00-0254	EA 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	59.42	
	<i>For >10 To 50, Deduct</i>	-1.64	
	<i>For >50 To 100, Deduct</i>	-3.94	
	<i>For >100 To 250, Deduct</i>	-7.89	
	<i>For >250 To 500, Deduct</i>	-13.47	
	<i>For >500, Deduct</i>	-19.06	
06 05 23 00-0255	EA 3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	65.98	
	<i>For >10 To 50, Deduct</i>	-1.74	
	<i>For >50 To 100, Deduct</i>	-4.25	
	<i>For >100 To 250, Deduct</i>	-8.51	
	<i>For >250 To 500, Deduct</i>	-14.49	
	<i>For >500, Deduct</i>	-20.48	
06 05 23 00-0256	EA 3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	70.92	
	<i>For >10 To 50, Deduct</i>	-1.83	
	<i>For >50 To 100, Deduct</i>	-4.51	
	<i>For >100 To 250, Deduct</i>	-9.02	
	<i>For >250 To 500, Deduct</i>	-15.36	
	<i>For >500, Deduct</i>	-21.70	
06 05 23 00-0257	EA 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	76.31	
	<i>For >10 To 50, Deduct</i>	-1.92	
	<i>For >50 To 100, Deduct</i>	-4.78	
	<i>For >100 To 250, Deduct</i>	-9.56	
	<i>For >250 To 500, Deduct</i>	-16.26	
	<i>For >500, Deduct</i>	-22.96	
06 05 23 00-0258	Supports <small>(06 05 23)</small>		
06 05 23 00-0259	Shear Plates <small>(06 05 23 00-0258)</small>		
06 05 23 00-0260	EA 2-5/8" Diameter, Shear Plate	17.74	4.72
	<i>For >10 To 50, Deduct</i>	-0.53	
	<i>For >50 To 100, Deduct</i>	-1.24	
	<i>For >100 To 250, Deduct</i>	-2.48	
	<i>For >250 To 500, Deduct</i>	-4.25	
	<i>For >500, Deduct</i>	-6.03	
06 05 23 00-0261	EA 4" Diameter, Shear Plate	17.05	4.97
	<i>For >10 To 50, Deduct</i>	-0.55	
	<i>For >50 To 100, Deduct</i>	-1.26	
	<i>For >100 To 250, Deduct</i>	-2.52	
	<i>For >250 To 500, Deduct</i>	-4.33	
	<i>For >500, Deduct</i>	-6.14	
06 05 23 00-0262	Sill Anchors <small>(06 05 23 00-0258)</small>		
06 05 23 00-0263	EA Sill Anchor Embedded In Concrete	15.12	4.97
	<i>For >10 To 50, Deduct</i>	-0.55	
	<i>For >50 To 100, Deduct</i>	-1.21	
	<i>For >100 To 250, Deduct</i>	-2.42	
	<i>For >250 To 500, Deduct</i>	-4.18	
	<i>For >500, Deduct</i>	-5.95	
06 05 23 00-0264	Spike Grids <small>(06 05 23 00-0258)</small>		
06 05 23 00-0265	EA 3" x 6" Flat Or Curved Spike Grid	13.46	4.72
	<i>For >10 To 50, Deduct</i>	-0.53	
	<i>For >50 To 100, Deduct</i>	-1.13	
	<i>For >100 To 250, Deduct</i>	-2.27	
	<i>For >250 To 500, Deduct</i>	-3.93	
	<i>For >500, Deduct</i>	-5.60	
06 05 23 00-0266	Split Rings <small>(06 05 23 00-0258)</small>		
06 05 23 00-0267	EA 2-1/2" Diameter Split Ring	17.98	4.72
	<i>For >10 To 50, Deduct</i>	-0.53	
	<i>For >50 To 100, Deduct</i>	-1.25	
	<i>For >100 To 250, Deduct</i>	-2.49	
	<i>For >250 To 500, Deduct</i>	-4.27	
	<i>For >500, Deduct</i>	-6.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0268 EA 4" Diameter Split Ring.....	19.34	5.22
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.35	
For >100 To 250, Deduct	-2.71	
For >250 To 500, Deduct	-4.64	
For >500, Deduct	-6.57	
06 05 23 00-0269 Toothed Rings (06 05 23 00-0268)		
06 05 23 00-0270 EA 2-5/8" Or 4" Toothed Ring.....	14.31	4.72
For >10 To 50, Deduct	-0.53	
For >50 To 100, Deduct	-1.16	
For >100 To 250, Deduct	-2.31	
For >250 To 500, Deduct	-4.00	
For >500, Deduct	-5.68	
06 05 23 00-0271 Straps And Shields (06 05 23)		
06 05 23 00-0272 Shield Plate (06 05 23 00-0271)		
06 05 23 00-0273 EA 5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z).....	9.08	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.08	
For >500, Deduct	-1.64	
06 05 23 00-0274 EA 5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z).....	14.32	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-2.31	
06 05 23 00-0275 Strap Ties (06 05 23 00-0271)		
06 05 23 00-0276 EA 1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9).....	3.63	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.95	
06 05 23 00-0277 EA 1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12).....	3.72	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.60	
For >500, Deduct	-0.96	
06 05 23 00-0278 EA 1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15).....	4.74	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.21	
06 05 23 00-0279 EA 1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18).....	4.91	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.22	
06 05 23 00-0280 EA 1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21).....	5.09	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.24	
06 05 23 00-0281 EA 1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24).....	5.86	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.46	
06 05 23 00-0282 EA 1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30).....	7.49	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.04	
For >500, Deduct	-1.63	
06 05 23 00-0283 EA 1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36).....	8.70	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.90	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0284	EA		1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9).....	4.00	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.99	
06 05 23 00-0285	EA		1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12).....	4.13	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-1.00	
06 05 23 00-0286	EA		1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15).....	5.25	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500, Deduct</i>	-1.26	
06 05 23 00-0287	EA		1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18).....	5.47	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-1.28	
06 05 23 00-0288	EA		1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21).....	5.57	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-1.29	
06 05 23 00-0289	EA		1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24).....	6.37	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.52	
06 05 23 00-0290	EA		1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30).....	7.83	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.66	
06 05 23 00-0291	EA		1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36).....	8.71	
			<i>For >10 To 50, Deduct</i>	-0.11	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500, Deduct</i>	-1.90	
06 05 23 00-0292	EA		1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49).....	13.55	
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.65	
			<i>For >500, Deduct</i>	-2.53	
06 05 23 00-0293	EA		1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9).....	4.68	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-1.05	
06 05 23 00-0294	EA		1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12).....	4.69	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-1.06	
06 05 23 00-0295	EA		1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18).....	5.71	
			<i>For >10 To 50, Deduct</i>	-0.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500, Deduct</i>	-1.30	
06 05 23 00-0296	EA		1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22).....	7.83	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.66	
06 05 23 00-0297	EA		1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6).....	6.62	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-1.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0298 EA 1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8).....	7.28	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.86	
<i>For >500, Deduct</i>	-1.31	
06 05 23 00-0299 EA 1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12).....	9.53	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.64	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.69	
06 05 23 00-0300 EA 2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27).....	14.08	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.45	
<i>For >100 To 250, Deduct</i>	-0.90	
<i>For >250 To 500, Deduct</i>	-1.53	
<i>For >500, Deduct</i>	-2.29	
06 05 23 00-0301 EA 2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37).....	17.52	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.78	
06 05 23 00-0302 EA 2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48).....	25.77	
<i>For >10 To 50, Deduct</i>	-0.13	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-2.57	
<i>For >500, Deduct</i>	-3.75	
06 05 23 00-0303 EA 2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60).....	44.57	
<i>For >10 To 50, Deduct</i>	-0.14	
<i>For >50 To 100, Deduct</i>	-1.26	
<i>For >100 To 250, Deduct</i>	-2.52	
<i>For >250 To 500, Deduct</i>	-4.06	
<i>For >500, Deduct</i>	-5.78	
06 05 23 00-0304 EA 2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72).....	57.34	
<i>For >10 To 50, Deduct</i>	-0.16	
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100 To 250, Deduct</i>	-3.19	
<i>For >250 To 500, Deduct</i>	-5.10	
<i>For >500, Deduct</i>	-7.20	
06 05 23 00-0305 EA 3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	16.72	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.55	
06 05 23 00-0306 EA 3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	21.55	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.65	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-3.18	
06 05 23 00-0307 EA 3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	25.15	
<i>For >10 To 50, Deduct</i>	-0.13	
<i>For >50 To 100, Deduct</i>	-0.76	
<i>For >100 To 250, Deduct</i>	-1.51	
<i>For >250 To 500, Deduct</i>	-2.52	
<i>For >500, Deduct</i>	-3.69	
06 05 23 00-0308 EA 3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	38.09	
<i>For >10 To 50, Deduct</i>	-0.14	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100 To 250, Deduct</i>	-2.19	
<i>For >250 To 500, Deduct</i>	-3.57	
<i>For >500, Deduct</i>	-5.13	
06 05 23 00-0309 Twist Strap Ties <small>(06 05 23 00-0271)</small>		
06 05 23 00-0310 EA 1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	4.21	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500, Deduct</i>	-1.01	
06 05 23 00-0311 EA 1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	5.25	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500, Deduct</i>	-1.19	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18).....	6.04		
		<i>For >10 To 50, Deduct</i>	-0.08		
		<i>For >50 To 100, Deduct</i>	-0.23		
		<i>For >100 To 250, Deduct</i>	-0.46		
		<i>For >250 To 500, Deduct</i>	-0.85		
		<i>For >500, Deduct</i>	-1.34		
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20).....	6.55		
		<i>For >10 To 50, Deduct</i>	-0.09		
		<i>For >50 To 100, Deduct</i>	-0.25		
		<i>For >100 To 250, Deduct</i>	-0.50		
		<i>For >250 To 500, Deduct</i>	-0.93		
		<i>For >500, Deduct</i>	-1.46		
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12).....	4.16		
		<i>For >10 To 50, Deduct</i>	-0.06		
		<i>For >50 To 100, Deduct</i>	-0.17		
		<i>For >100 To 250, Deduct</i>	-0.34		
		<i>For >250 To 500, Deduct</i>	-0.63		
		<i>For >500, Deduct</i>	-1.00		
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16).....	5.33		
		<i>For >10 To 50, Deduct</i>	-0.07		
		<i>For >50 To 100, Deduct</i>	-0.21		
		<i>For >100 To 250, Deduct</i>	-0.41		
		<i>For >250 To 500, Deduct</i>	-0.76		
		<i>For >500, Deduct</i>	-1.19		
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18).....	6.18		
		<i>For >10 To 50, Deduct</i>	-0.08		
		<i>For >50 To 100, Deduct</i>	-0.23		
		<i>For >100 To 250, Deduct</i>	-0.47		
		<i>For >250 To 500, Deduct</i>	-0.86		
		<i>For >500, Deduct</i>	-1.35		
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20).....	6.60		
		<i>For >10 To 50, Deduct</i>	-0.09		
		<i>For >50 To 100, Deduct</i>	-0.25		
		<i>For >100 To 250, Deduct</i>	-0.51		
		<i>For >250 To 500, Deduct</i>	-0.93		
		<i>For >500, Deduct</i>	-1.47		
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24).....	8.93		
		<i>For >10 To 50, Deduct</i>	-0.10		
		<i>For >50 To 100, Deduct</i>	-0.32		
		<i>For >100 To 250, Deduct</i>	-0.64		
		<i>For >250 To 500, Deduct</i>	-1.15		
		<i>For >500, Deduct</i>	-1.77		
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16).....	6.82		
		<i>For >10 To 50, Deduct</i>	-0.07		
		<i>For >50 To 100, Deduct</i>	-0.24		
		<i>For >100 To 250, Deduct</i>	-0.48		
		<i>For >250 To 500, Deduct</i>	-0.87		
		<i>For >500, Deduct</i>	-1.34		
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20).....	8.18		
		<i>For >10 To 50, Deduct</i>	-0.09		
		<i>For >50 To 100, Deduct</i>	-0.29		
		<i>For >100 To 250, Deduct</i>	-0.58		
		<i>For >250 To 500, Deduct</i>	-1.05		
		<i>For >500, Deduct</i>	-1.63		
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24).....	9.47		
		<i>For >10 To 50, Deduct</i>	-0.10		
		<i>For >50 To 100, Deduct</i>	-0.33		
		<i>For >100 To 250, Deduct</i>	-0.66		
		<i>For >250 To 500, Deduct</i>	-1.19		
		<i>For >500, Deduct</i>	-1.83		
06 05 23 00-0322		Retrofit Plate Strap <small>(06 05 23 00-0271)</small>			
06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18).....	6.86		
		<i>For >10 To 50, Deduct</i>	-0.08		
		<i>For >50 To 100, Deduct</i>	-0.25		
		<i>For >100 To 250, Deduct</i>	-0.50		
		<i>For >250 To 500, Deduct</i>	-0.91		
		<i>For >500, Deduct</i>	-1.42		
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22).....	7.81		
		<i>For >10 To 50, Deduct</i>	-0.08		
		<i>For >50 To 100, Deduct</i>	-0.28		
		<i>For >100 To 250, Deduct</i>	-0.55		
		<i>For >250 To 500, Deduct</i>	-0.98		
		<i>For >500, Deduct</i>	-1.51		
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	9.30		
		<i>For >10 To 50, Deduct</i>	-0.08		
		<i>For >50 To 100, Deduct</i>	-0.31		
		<i>For >100 To 250, Deduct</i>	-0.62		
		<i>For >250 To 500, Deduct</i>	-1.10		
		<i>For >500, Deduct</i>	-1.66		
06 05 23 00-0326		Stud Shoe <small>(06 05 23 00-0271)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0327 EA 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5).....	11.57	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.77	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-2.04	
06 05 23 00-0328 EA 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5).....	22.58	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.66	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-2.17	
<i>For >500, Deduct</i>	-3.14	
06 05 23 00-0329 EA 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3).....	22.68	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.66	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-2.18	
<i>For >500, Deduct</i>	-3.15	
06 05 23 00-0330 EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5).....	30.34	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100 To 250, Deduct</i>	-1.71	
<i>For >250 To 500, Deduct</i>	-2.75	
<i>For >500, Deduct</i>	-3.91	
06 05 23 00-0331 EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5).....	28.52	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.81	
<i>For >100 To 250, Deduct</i>	-1.62	
<i>For >250 To 500, Deduct</i>	-2.62	
<i>For >500, Deduct</i>	-3.73	
06 05 23 00-0332 EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3).....	30.88	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.87	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.79	
<i>For >500, Deduct</i>	-3.97	
06 05 23 00-0333 EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3).....	32.68	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.91	
<i>For >100 To 250, Deduct</i>	-1.83	
<i>For >250 To 500, Deduct</i>	-2.93	
<i>For >500, Deduct</i>	-4.15	
06 05 23 00-0334 EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3).....	49.29	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100 To 250, Deduct</i>	-2.66	
<i>For >250 To 500, Deduct</i>	-4.17	
<i>For >500, Deduct</i>	-5.81	
06 05 23 00-0335 Nail Stops <small>(06 05 23 00-0271)</small>		
06 05 23 00-0336 EA 1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1).....	3.35	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.92	
06 05 23 00-0337 EA 1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2).....	3.51	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500, Deduct</i>	-0.94	
06 05 73 Wood Treatment <small>(06 05)</small>		
06 05 73 13 Fire-Retardant Wood Treatment <small>(06 05 73)</small>		
06 05 73 13-0001 Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber.....	771.52	
06 05 73 33 Preservative Wood Treatment <small>(06 05 73)</small>		
06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber.....	111.16	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry**

06 05 73 Wood Treatment

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**06 10 Rough Carpentry** ⁽⁰⁶⁾**06 11 Wood Framing** ^(06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products ^(06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members ^(06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists ^(06 11 13 00-0001)

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	4.71	2.19
		<i>For Each Additional 2" x " In The Built Up Member, Add</i>	<i>0.69</i>	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	5.80	2.56
		<i>For Each Additional 2" x " In The Built Up Member, Add</i>	<i>0.97</i>	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	7.31	3.08
		<i>For Each Additional 2" x " In The Built Up Member, Add</i>	<i>1.35</i>	

06 11 13 00-0006 Built-Up Posts ^(06 11 13 00-0001)

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post.....	4.71	2.19
		<i>For Each Additional 2" x " In The Built Up Member, Add</i>	<i>0.69</i>	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post.....	5.80	2.56
		<i>For Each Additional 2" x " In The Built Up Member, Add</i>	<i>0.97</i>	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post.....	7.31	3.08
		<i>For Each Additional 2" x " In The Built Up Member, Add</i>	<i>1.35</i>	

06 11 16 Mechanically Graded Lumber ^(06 11)**06 11 16 00-0001 Rafters And Joists** ^(06 11 16)**06 11 16 00-0002 Rafters** ^(06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter.....	2.74	1.54
06 11 16 00-0004	LF	2" x 8" Wood Rafter.....	3.16	1.67
06 11 16 00-0005	LF	2" x 10" Wood Rafter.....	4.57	2.44
06 11 16 00-0006	LF	2" x 12" Wood Rafter.....	5.22	2.70
06 11 16 00-0007	LF	2" x 14" Wood Rafter.....	5.67	2.95
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter.....	3.13	1.54
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter.....	3.69	1.67
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter.....	5.08	2.44
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter.....	6.01	2.70

06 11 16 00-0012 Joists ^(06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist.....	2.35	1.28
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist.....	2.89	1.41
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist.....	3.66	1.80
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist.....	4.33	2.06
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist.....	4.76	2.19
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist.....	2.74	1.28
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist.....	3.42	1.41
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist.....	4.17	1.80
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist.....	5.12	2.06

06 11 16 00-0022 Purlins ^(06 11 16 00-0001)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin.....	1.95	0.77
06 11 16 00-0024	LF	2" x 6" Wood Purlin.....	2.38	0.84
06 11 16 00-0025	LF	2" x 8" Wood Purlin.....	2.83	0.94
06 11 16 00-0026	LF	2" x 10" Wood Purlin.....	3.41	1.03
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin.....	2.18	0.77
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin.....	2.77	0.84
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin.....	3.36	0.94
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin.....	3.92	1.03

06 11 16 00-0031 Exposed Rafters Or Joists ^(06 11 16 00-0001)**06 11 16 00-0032 Redwood Rafters Or Joists** ^(06 11 16 00-0031)

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist.....	3.36	1.28
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist.....	4.06	1.41
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist.....	5.04	1.80
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist.....	6.08	2.06

06 11 16 00-0037 Cedar Rafters Or Joists ^(06 11 16 00-0031)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0038 LF 2" x 6" Cedar Rafter Or Joist.....	2.36	1.28
06 11 16 00-0039 LF 2" x 8" Cedar Rafter Or Joist.....	2.66	1.41
06 11 16 00-0040 LF 2" x 10" Cedar Rafter Or Joist.....	3.09	1.80
06 11 16 00-0041 LF 2" x 12" Cedar Rafter Or Joist.....	3.52	2.06
06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)		
06 11 16 00-0043 LF 2" x 6" Oak Rafter Or Joist.....	2.77	1.28
06 11 16 00-0044 LF 2" x 8" Oak Rafter Or Joist.....	3.69	1.41
06 11 16 00-0045 LF 2" x 10" Oak Rafter Or Joist.....	4.75	1.80
06 11 16 00-0046 LF 2" x 12" Oak Rafter Or Joist.....	5.81	2.06
06 11 16 00-0047 Framing (06 11 16)		
06 11 16 00-0048 Partition Framing (06 11 16 00-0047)		
06 11 16 00-0049 LF 2" x 4" Wood Stud Framing, For Partition Walls	1.89	1.03
06 11 16 00-0050 LF 2" x 6" Wood Stud Framing, For Partition Walls	2.22	1.09
06 11 16 00-0051 LF 2" x 8" Wood Stud Framing, For Partition Walls	2.58	1.16
06 11 16 00-0052 LF 2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.12	1.03
06 11 16 00-0053 LF 2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.61	1.09
06 11 16 00-0054 LF 2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	3.11	1.16
06 11 16 00-0055 Wall Framing Assemblies By The SF (06 11 16 00-0047)		
Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056 Wall Framing By The SF, 12" On Center (06 11 16 00-0055)		
06 11 16 00-0057 SF 2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.42	1.24
For Up To 200, Add	0.85	
For >200 To 500, Add	0.43	
06 11 16 00-0058 SF 2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.23	1.59
For Up To 200, Add	1.12	
For >200 To 500, Add	0.56	
06 11 16 00-0059 SF 2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.30	2.13
For Up To 200, Add	1.49	
For >200 To 500, Add	0.74	
06 11 16 00-0060 Wall Framing By The SF, 16" On Center (06 11 16 00-0055)		
06 11 16 00-0061 SF 2" x 4" At 16" On Center, Wood Wall Framing Assembly	1.97	1.01
For Up To 200, Add	0.69	
For >200 To 500, Add	0.35	
06 11 16 00-0062 SF 2" x 6" At 16" On Center, Wood Wall Framing Assembly	2.68	1.32
For Up To 200, Add	0.93	
For >200 To 500, Add	0.46	
06 11 16 00-0063 SF 2" x 8" At 16" On Center, Wood Wall Framing Assembly	3.58	1.77
For Up To 200, Add	1.24	
For >200 To 500, Add	0.62	
06 11 16 00-0064 Wall Framing By The SF, 24" On Center (06 11 16 00-0055)		
06 11 16 00-0065 SF 2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.55	0.78
For Up To 200, Add	0.54	
For >200 To 500, Add	0.27	
06 11 16 00-0066 SF 2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.11	1.03
For Up To 200, Add	0.73	
For >200 To 500, Add	0.36	
06 11 16 00-0067 SF 2" x 8" At 24" On Center, Wood Wall Framing Assembly	2.80	1.37
For Up To 200, Add	0.97	
For >200 To 500, Add	0.48	
06 11 16 00-0068 Sills And Plates (06 11 16)		
06 11 16 00-0069 Sills (06 11 16 00-0068)		
Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070 LF 2" x 4" Wood Sill	3.30	1.92
06 11 16 00-0071 LF 2" x 6" Wood Sill	3.90	2.19
06 11 16 00-0072 LF 2" x 8" Wood Sill	4.59	2.44
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill.....	3.53	1.92
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill.....	4.29	2.19
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill.....	5.12	2.44
06 11 16 00-0076 Plates (06 11 16 00-0068)		
Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077 LF 2" x 4" Wood Plate.....	3.30	1.92
06 11 16 00-0078 LF 2" x 6" Wood Plate.....	3.90	2.19
06 11 16 00-0079 LF 2" x 8" Wood Plate.....	4.56	2.44

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate		3.53	1.92
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate		4.29	2.19
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate		5.09	2.44
06 11 16 00-0083		Sills And Plates From Redwood (06 11 16 00-0083)			
06 11 16 00-0084		Construction Grade/Rough (06 11 16 00-0083)			
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough		6.47	2.19
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough		8.59	2.44
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough		10.44	2.70
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough		12.60	2.95
06 11 16 00-0089		Con Heart/Smooth (06 11 16 00-0083)			
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth		7.85	2.19
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth		10.66	2.44
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth		13.96	2.70
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth		16.79	2.95
06 11 16 00-0094		Suspended Ceiling Framing (06 11 16)			
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing		2.74	1.67
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing		2.98	1.80
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing		3.13	1.92
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing		3.20	1.92
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing		3.79	2.19
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing		2.94	1.67
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing		2.99	1.80
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing		3.27	1.92
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing		3.41	1.92
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing		3.98	2.19
06 11 16 00-0105		Posts And Girts (06 11 16)			
06 11 16 00-0106		Posts (06 11 16 00-0105)			
		Note: A vertical, upright framing member.			
06 11 16 00-0107	LF	4" x 4" Wood Post		4.67	2.44
06 11 16 00-0108	LF	4" x 5" Wood Post		5.32	2.83
06 11 16 00-0109	LF	4" x 6" Wood Post		5.88	3.08
06 11 16 00-0110	LF	6" x 6" Wood Post		6.52	3.34
06 11 16 00-0111	LF	8" x 8" Wood Post		7.17	3.47
06 11 16 00-0112	LF	10" x 10" Wood Post		7.82	3.98
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post		6.06	2.44
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post		6.95	3.08
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post		8.41	3.08
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post		11.47	3.34
06 11 16 00-0117		Girts (06 11 16 00-0105)			
		Note: A horizontal member at intermediate level between columns, studs, or posts.			
06 11 16 00-0118	LF	2" x 4" Wood Girt		2.26	0.93
06 11 16 00-0119	LF	2" x 6" Wood Girt		2.70	1.02
06 11 16 00-0120	LF	2" x 8" Wood Girt		3.21	1.12
06 11 16 00-0121	LF	2" x 10" Wood Girt		3.81	1.23
06 11 16 00-0122	LF	4" x 4" Wood Girt		4.55	1.85
06 11 16 00-0123	LF	4" x 5" Wood Girt		5.21	2.08
06 11 16 00-0124	LF	4" x 6" Wood Girt		5.85	2.31
06 11 16 00-0125	LF	6" x 6" Wood Girt		6.51	2.54
06 11 16 00-0126	LF	8" x 8" Wood Girt		7.16	2.78
06 11 16 00-0127	LF	10" x 10" Wood Girt		7.81	3.02
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt		2.49	0.93
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt		3.09	1.02
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt		3.74	1.12
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt		4.32	1.23
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt		6.06	1.85
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt		6.95	2.31
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt		8.41	2.31
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt		11.47	2.54
06 11 16 00-0136		Construction Grade/Rough Redwood Posts (06 11 16 00-0105)			
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post		9.96	2.44
		For Smooth "Clear", Add		1.26	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post		11.99	2.83
		For Smooth "Clear", Add		1.57	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post		14.05	3.08
		For Smooth "Clear", Add		1.89	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post		17.39	3.17
		For Smooth "Clear", Add		2.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0141 LF 4" x 10" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	20.84 3.14	3.38
06 11 16 00-0142 LF 6" x 6" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	19.24 2.83	3.34
06 11 16 00-0143 LF 6" x 8" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	24.14 3.77	3.47
06 11 16 00-0144 LF 6" x 10" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	29.00 4.72	3.26
06 11 16 00-0145 LF 8" x 8" Redwood, Construction Grade/Rough Post..... <i>For Smooth "Clear", Add</i>	30.71 5.03	3.47
06 11 16 00-0146 Stair Stringers <small>(06 11 16)</small> See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0147 LF 2" x 10" Wood Stair Stringer	9.02	5.14
06 11 16 00-0148 LF 2" x 12" Wood Stair Stringer	10.64	6.03
06 11 16 00-0149 LF 2" x 10" Pressure Treated Wood Stair Stringer.....	9.56	5.14
06 11 16 00-0150 LF 2" x 12" Pressure Treated Wood Stair Stringer.....	11.41	6.03
06 11 16 00-0151 Blocking And Sleepers <small>(06 11 16)</small>		
06 11 16 00-0152 Blocking <small>(06 11 16 00-0151)</small>		
06 11 16 00-0153 Blocking To Wood <small>(06 11 16 00-0152)</small>		
06 11 16 00-0154 LF 2" x 4" Pressure Treated Wood Blocking To Wood	7.09	3.08
06 11 16 00-0155 LF 2" x 6" Pressure Treated Wood Blocking To Wood	8.33	3.40
06 11 16 00-0156 LF 2" x 8" Pressure Treated Wood Blocking To Wood	9.46	3.73
06 11 16 00-0157 LF 4" x 4" Pressure Treated Wood Blocking To Wood	10.89	4.10
06 11 16 00-0158 LF 4" x 6" Pressure Treated Wood Blocking To Wood	13.01	4.51
06 11 16 00-0159 LF 2" x 4" Wood Blocking To Wood	6.58	3.08
06 11 16 00-0160 LF 2" x 6" Wood Blocking To Wood	7.47	3.40
06 11 16 00-0161 LF 2" x 8" Wood Blocking To Wood	8.44	3.73
06 11 16 00-0162 LF 4" x 4" Wood Blocking To Wood	9.21	4.10
06 11 16 00-0163 LF 4" x 6" Wood Blocking To Wood	10.30	4.51
06 11 16 00-0164 Blocking To Steel <small>(06 11 16 00-0152)</small>		
06 11 16 00-0165 LF 2" x 4" Pressure Treated Wood Blocking To Steel.....	8.12	3.55
06 11 16 00-0166 LF 2" x 6" Pressure Treated Wood Blocking To Steel.....	9.51	3.90
06 11 16 00-0167 LF 2" x 8" Pressure Treated Wood Blocking To Steel.....	10.78	4.29
06 11 16 00-0168 LF 2" x 4" Wood Blocking To Steel	7.55	3.55
06 11 16 00-0169 LF 2" x 6" Wood Blocking To Steel	8.56	3.90
06 11 16 00-0170 LF 2" x 8" Wood Blocking To Steel	9.65	4.29
06 11 16 00-0171 Blocking To Concrete <small>(06 11 16 00-0152)</small>		
06 11 16 00-0172 LF 2" x 4" Pressure Treated Wood Blocking To Concrete	8.12	3.55
06 11 16 00-0173 LF 2" x 6" Pressure Treated Wood Blocking To Concrete	9.51	3.90
06 11 16 00-0174 LF 2" x 8" Pressure Treated Wood Blocking To Concrete	10.78	4.29
06 11 16 00-0175 LF 2" x 4" Wood Blocking To Concrete	7.55	3.55
06 11 16 00-0176 LF 2" x 6" Wood Blocking To Concrete	8.56	3.90
06 11 16 00-0177 LF 2" x 8" Wood Blocking To Concrete	9.65	4.29
06 11 16 00-0178 Pressure Treated Lattice <small>(06 11 16 00-0151)</small>		
06 11 16 00-0179 SF 3/4" Thick Pressure Treated Wood Lattice	6.70	2.70
06 11 16 00-0180 Sleepers <small>(06 11 16 00-0151)</small>		
06 11 16 00-0181 Sleepers To Wood <small>(06 11 16 00-0180)</small>		
06 11 16 00-0182 LF 1" x 2" Pressure Treated Wood Sleeper On Wood.....	1.28	0.45
06 11 16 00-0183 LF 1" x 3" Pressure Treated Wood Sleeper On Wood.....	1.32	0.51
06 11 16 00-0184 LF 1" x 4" Pressure Treated Wood Sleeper On Wood.....	1.55	0.58
06 11 16 00-0185 LF 2" x 4" Pressure Treated Wood Sleeper On Wood.....	2.33	0.71
06 11 16 00-0186 LF 2" x 6" Pressure Treated Wood Sleeper On Wood.....	3.09	0.77
06 11 16 00-0187 Sleepers To Concrete <small>(06 11 16 00-0180)</small>		
06 11 16 00-0188 LF 1" x 2" Pressure Treated Wood Sleeper On Concrete.....	1.32	0.45
06 11 16 00-0189 LF 1" x 3" Pressure Treated Wood Sleeper On Concrete.....	1.35	0.51
06 11 16 00-0190 LF 1" x 4" Pressure Treated Wood Sleeper On Concrete.....	1.59	0.58
06 11 16 00-0191 LF 2" x 4" Pressure Treated Wood Sleeper On Concrete.....	2.43	0.71
06 11 16 00-0192 LF 2" x 6" Pressure Treated Wood Sleeper On Concrete.....	3.25	0.77
06 11 16 00-0193 Roofing Nailers <small>(06 11 16)</small>		
06 11 16 00-0194 LF 2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	3.59	1.03
06 11 16 00-0195 LF 2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	4.15	1.09
06 11 16 00-0196 LF 2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	4.72	1.16

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0197			Roofing Sleepers <small>(06 11 16)</small>		
06 11 16 00-0198	LF		2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.61	
06 11 16 00-0199	LF		4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.24	
06 11 16 00-0200	LF		4" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.10	
06 11 16 00-0201	LF		6" x 6" Pressure Treated Lumber, For Roofing Sleepers	8.94	
06 11 16 00-0202			Canopy Framing, Bridging, And Furring <small>(06 11 16)</small>		
06 11 16 00-0203			Wood And Steel Bridging <small>(06 11 16 00-0202)</small>		
06 11 16 00-0204			Wood Bridging <small>(06 11 16 00-0203)</small>		
06 11 16 00-0205	EA		1 Pair Wood Bridging, 1" x 3" Cross Type	10.24	4.50
			Note: For joists spaced at 16" on center.		
06 11 16 00-0206	EA		1 Pair Wood Bridging, 2" x 3" Cross Type	10.47	4.50
			Note: For joists spaced at 16" on center.		
06 11 16 00-0207			Steel Bridging <small>(06 11 16 00-0203)</small>		
06 11 16 00-0208	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center	12.85	4.50
06 11 16 00-0209	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center	12.81	4.50
06 11 16 00-0210			Light Framing, Trim And Furring <small>(06 11 16 00-0202)</small>		
06 11 16 00-0211			Pine/Spruce/Fir Light Framing, Trim And Furring <small>(06 11 16 00-0210)</small>		
			Note: S4S board, select grade 1		
06 11 16 00-0212	LF		1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.24	1.06
06 11 16 00-0213	LF		1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.49	1.16
06 11 16 00-0214	LF		1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	2.84	1.27
06 11 16 00-0215	LF		1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.16	1.40
06 11 16 00-0216	LF		1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.50	1.54
06 11 16 00-0217	LF		1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	3.86	1.70
06 11 16 00-0218	LF		2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.17	1.40
06 11 16 00-0219	LF		2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.53	1.54
06 11 16 00-0220	LF		2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.07	1.70
06 11 16 00-0221	LF		2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	4.69	1.86
06 11 16 00-0222	LF		2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	5.45	2.06
06 11 16 00-0223			Cedar Light Framing, Trim And Furring <small>(06 11 16 00-0210)</small>		
			Note: S4S board, select grade 1		
06 11 16 00-0224	LF		1" x 1" Cedar Light Framing, Trim And Furring	2.26	1.06
06 11 16 00-0225	LF		1" x 2" Cedar Light Framing, Trim And Furring	2.61	1.16
06 11 16 00-0226	LF		1" x 4" Cedar Light Framing, Trim And Furring	3.28	1.27
06 11 16 00-0227	LF		1" x 6" Cedar Light Framing, Trim And Furring	3.90	1.40
06 11 16 00-0228	LF		1" x 8" Cedar Light Framing, Trim And Furring	5.46	1.54
06 11 16 00-0229	LF		1" x 10" Cedar Light Framing, Trim And Furring	6.36	1.70
06 11 16 00-0230	LF		2" x 2" Cedar Light Framing, Trim And Furring	3.45	1.40
06 11 16 00-0231	LF		2" x 4" Cedar Light Framing, Trim And Furring	3.95	1.54
06 11 16 00-0232			Oak Light Framing, Trim And Furring <small>(06 11 16 00-0210)</small>		
			Note: S4S board, select grade 1		
06 11 16 00-0233	LF		1" x 1" Oak Light Framing, Trim And Furring	2.27	1.06
06 11 16 00-0234	LF		1" x 2" Oak Light Framing, Trim And Furring	2.62	1.16
06 11 16 00-0235	LF		1" x 4" Oak Light Framing, Trim And Furring	3.17	1.27
06 11 16 00-0236	LF		1" x 6" Oak Light Framing, Trim And Furring	3.74	1.40
06 11 16 00-0237	LF		1" x 8" Oak Light Framing, Trim And Furring	4.33	1.54
06 11 16 00-0238	LF		1" x 10" Oak Light Framing, Trim And Furring	4.96	1.70
06 11 16 00-0239	LF		2" x 2" Oak Light Framing, Trim And Furring	3.43	1.40
06 11 16 00-0240	LF		2" x 4" Oak Light Framing, Trim And Furring	4.34	1.54
06 11 16 00-0241			Redwood Light Framing, Trim And Furring <small>(06 11 16 00-0210)</small>		
			Note: S4S board, select grade 1		
06 11 16 00-0242	LF		1" x 1" Redwood Light Framing, Trim And Furring	2.22	1.06
06 11 16 00-0243	LF		1" x 2" Redwood Light Framing, Trim And Furring	2.54	1.16
06 11 16 00-0244	LF		1" x 4" Redwood Light Framing, Trim And Furring	3.02	1.27
06 11 16 00-0245	LF		1" x 6" Redwood Light Framing, Trim And Furring	3.55	1.40
06 11 16 00-0246	LF		1" x 8" Redwood Light Framing, Trim And Furring	4.14	1.54
06 11 16 00-0247	LF		1" x 10" Redwood Light Framing, Trim And Furring	4.78	1.70
06 11 16 00-0248	LF		2" x 2" Redwood Light Framing, Trim And Furring	3.57	1.40
06 11 16 00-0249	LF		2" x 4" Redwood Light Framing, Trim And Furring	4.16	1.54
06 11 16 00-0250			Poplar Light Framing, Trim And Furring <small>(06 11 16 00-0210)</small>		
			Note: S4S board, select grade 1		
06 11 16 00-0251	LF		1" x 1" Poplar Light Framing, Trim And Furring	2.48	1.06
06 11 16 00-0252	LF		1" x 2" Poplar Light Framing, Trim And Furring	2.95	1.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0253 LF 1" x 4" Poplar Light Framing, Trim And Furring	3.60	1.27
06 11 16 00-0254 LF 1" x 6" Poplar Light Framing, Trim And Furring	4.46	1.40
06 11 16 00-0255 LF 1" x 8" Poplar Light Framing, Trim And Furring	5.13	1.54
06 11 16 00-0256 LF 1" x 10" Poplar Light Framing, Trim And Furring	6.56	1.70
06 11 16 00-0257 LF 1" x 12" Poplar Light Framing, Trim And Furring	7.01	1.70
06 11 16 00-0258 LF 2" x 2" Poplar Light Framing, Trim And Furring	5.58	1.40
06 11 16 00-0259 LF 2" x 4" Poplar Light Framing, Trim And Furring	6.24	1.54
06 11 16 00-0260 LF 2" x 6" Poplar Light Framing, Trim And Furring	8.13	1.70
06 11 16 00-0261 Maple Light Framing, Trim And Furring (06 11 16 00-0210) Note: S4S board, select grade 1		
06 11 16 00-0262 LF 1" x 4" Maple Light Framing, Trim And Furring	4.31	1.27
06 11 16 00-0263 LF 1" x 6" Maple Light Framing, Trim And Furring	5.55	1.40
06 11 16 00-0264 LF 1" x 8" Maple Light Framing, Trim And Furring	6.82	1.54
06 13 Heavy Timber Construction (06 10)		
06 13 23 Heavy Timber Framing (06 13)		
06 13 23 00-0001 Heavy Timber Framing (06 13 23) Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.		
06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)		
06 13 23 00-0003 Pine, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0004 LF 4" x 4", Pine, Heavy Timber Beam.....	6.73	2.28
06 13 23 00-0005 LF 4" x 6", Pine, Heavy Timber Beam.....	8.00	2.38
06 13 23 00-0006 LF 4" x 8", Pine, Heavy Timber Beam.....	9.27	2.47
06 13 23 00-0007 LF 4" x 10", Pine, Heavy Timber Beam.....	11.85	2.64
06 13 23 00-0008 LF 4" x 12", Pine, Heavy Timber Beam.....	13.96	2.80
06 13 23 00-0009 LF 6" x 6", Pine, Heavy Timber Beam.....	9.97	2.56
06 13 23 00-0010 LF 6" x 8", Pine, Heavy Timber Beam.....	11.81	2.70
06 13 23 00-0011 LF 6" x 10", Pine, Heavy Timber Beam.....	15.65	2.89
06 13 23 00-0012 LF 6" x 12", Pine, Heavy Timber Beam.....	18.45	2.95
06 13 23 00-0013 LF 8" x 8", Pine, Heavy Timber Beam.....	14.26	2.80
06 13 23 00-0014 LF 8" x 10", Pine, Heavy Timber Beam.....	18.94	2.89
06 13 23 00-0015 LF 8" x 12", Pine, Heavy Timber Beam.....	22.73	2.95
06 13 23 00-0016 LF 10" x 10", Pine, Heavy Timber Beam.....	22.47	2.95
06 13 23 00-0017 LF 10" x 12", Pine, Heavy Timber Beam.....	27.33	3.22
06 13 23 00-0018 LF 12" x 12", Pine, Heavy Timber Beam.....	32.14	3.53
06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0020 LF 4" x 4", Douglas Fir, Heavy Timber Beam.....	6.95	2.28
06 13 23 00-0021 LF 4" x 6", Douglas Fir, Heavy Timber Beam.....	8.33	2.38
06 13 23 00-0022 LF 4" x 8", Douglas Fir, Heavy Timber Beam.....	9.72	2.47
06 13 23 00-0023 LF 4" x 10", Douglas Fir, Heavy Timber Beam.....	12.51	2.64
06 13 23 00-0024 LF 4" x 12", Douglas Fir, Heavy Timber Beam.....	14.78	2.80
06 13 23 00-0025 LF 6" x 6", Douglas Fir, Heavy Timber Beam.....	10.45	2.56
06 13 23 00-0026 LF 6" x 8", Douglas Fir, Heavy Timber Beam.....	12.45	2.70
06 13 23 00-0027 LF 6" x 10", Douglas Fir, Heavy Timber Beam.....	16.63	2.89
06 13 23 00-0028 LF 6" x 12", Douglas Fir, Heavy Timber Beam.....	19.71	2.95
06 13 23 00-0029 LF 8" x 8", Douglas Fir, Heavy Timber Beam.....	15.12	2.80
06 13 23 00-0030 LF 8" x 10", Douglas Fir, Heavy Timber Beam.....	20.26	2.89
06 13 23 00-0031 LF 8" x 12", Douglas Fir, Heavy Timber Beam.....	24.41	2.95
06 13 23 00-0032 LF 10" x 10", Douglas Fir, Heavy Timber Beam.....	24.11	2.95
06 13 23 00-0033 LF 10" x 12", Douglas Fir, Heavy Timber Beam.....	29.39	3.22
06 13 23 00-0034 LF 12" x 12", Douglas Fir, Heavy Timber Beam.....	34.64	3.53
06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0036 LF 4" x 4", Pressure Treated, Heavy Timber Beam	6.94	2.28
06 13 23 00-0037 LF 4" x 6", Pressure Treated, Heavy Timber Beam	8.54	2.38
06 13 23 00-0038 LF 4" x 8", Pressure Treated, Heavy Timber Beam	9.94	2.47
06 13 23 00-0039 LF 4" x 10", Pressure Treated, Heavy Timber Beam	12.84	2.64
06 13 23 00-0040 LF 4" x 12", Pressure Treated, Heavy Timber Beam	15.21	2.80
06 13 23 00-0041 LF 6" x 6", Pressure Treated, Heavy Timber Beam	11.47	2.56
06 13 23 00-0042 LF 6" x 8", Pressure Treated, Heavy Timber Beam	13.86	2.70
06 13 23 00-0043 LF 6" x 10", Pressure Treated, Heavy Timber Beam	16.49	2.89
06 13 23 00-0044 LF 6" x 12", Pressure Treated, Heavy Timber Beam	19.97	2.95
06 13 23 00-0045 LF 8" x 8", Pressure Treated, Heavy Timber Beam	20.08	2.80
06 13 23 00-0046 LF 8" x 10", Pressure Treated, Heavy Timber Beam	23.17	2.89
06 13 23 00-0047 LF 8" x 12", Pressure Treated, Heavy Timber Beam	27.11	2.95
06 13 23 00-0048 LF 10" x 10", Pressure Treated, Heavy Timber Beam	27.22	2.95
06 13 23 00-0049 LF 10" x 12", Pressure Treated, Heavy Timber Beam	35.69	3.22
06 13 23 00-0050 LF 12" x 12", Pressure Treated, Heavy Timber Beam	42.19	3.53
06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 13 23 00-0052		Pine, Heavy Timber Columns (06 13 23 00-0051)			
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.57		1.20
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	5.78		1.27
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	6.93		1.30
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	9.35		1.38
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	11.31		1.48
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	7.56		1.34
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	9.30		1.40
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	12.91		1.52
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	15.65		1.56
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	11.61		1.48
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	16.20		1.52
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	19.87		1.59
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	19.62		1.59
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	24.29		1.69
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	28.79		1.86

06 13 23 00-0068		Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)			
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.79		1.20
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.11		1.27
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.38		1.30
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	10.01		1.38
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	12.13		1.48
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	8.04		1.34
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.94		1.40
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	13.89		1.52
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	16.91		1.56
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	12.47		1.48
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	17.52		1.52
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	21.55		1.59
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	21.26		1.59
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	26.35		1.69
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	31.29		1.86

06 13 23 00-0084		Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)			
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	4.78		1.20
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	6.32		1.27
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	7.60		1.30
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	10.34		1.38
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	12.56		1.48
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	9.06		1.34
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	11.35		1.40
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	13.75		1.52
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	17.17		1.56
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	17.43		1.48
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	20.43		1.52
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	24.25		1.59
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	24.37		1.59
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	32.65		1.69
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	38.84		1.86

06 15 Wood Decking (06 10)**06 15 13 Wood Floor Decking (06 15)**

06 15 13 00-0001		Wood Deck Systems (06 15 13)			
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.					
06 15 13 00-0002		Pressure Treated Wood Deck System (06 15 13 00-0001)			
06 15 13 00-0003		2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)			
06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	40.18		7.90
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	38.87		7.51
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.67		8.11
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	40.36		7.71
06 15 13 00-0008		2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)			
06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	41.53		8.11
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	40.16		7.70
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.03		8.31
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	41.69		7.89
06 15 13 00-0013		2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)			
06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	40.18		7.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0015 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	38.87	7.51
06 15 13 00-0016 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	41.67	8.11
06 15 13 00-0017 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	40.36	7.71
06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0001)</small>		
06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0020 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.78	7.90
06 15 13 00-0021 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.59	7.77
06 15 13 00-0022 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.92	8.11
06 15 13 00-0023 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.42	7.71
06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0025 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.60	8.11
06 15 13 00-0026 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.36	7.70
06 15 13 00-0027 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.91	8.31
06 15 13 00-0028 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.40	7.89
06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System <small>(06 15 13 00-0018)</small>		
06 15 13 00-0030 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.82	7.90
06 15 13 00-0031 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.63	7.51
06 15 13 00-0032 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.03	8.11
06 15 13 00-0033 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.36	7.71
06 15 13 00-0034 Wood Ramp Systems <small>(06 15 13)</small>		
Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035 Pressure Treated Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0037 SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.88	7.71
06 15 13 00-0038 SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	45.19	7.32
06 15 13 00-0039 SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.51	7.90
06 15 13 00-0040 SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.82	7.51
06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0042 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.35	7.90
06 15 13 00-0043 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	46.64	7.51
06 15 13 00-0044 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.05	8.11
06 15 13 00-0045 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.33	7.71
06 15 13 00-0046 2" x 10" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0047 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.88	8.10
06 15 13 00-0048 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	48.13	7.70
06 15 13 00-0049 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.62	8.31
06 15 13 00-0050 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.86	7.89
06 15 13 00-0051 Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0052 2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0053 SF 5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.32	7.71
06 15 13 00-0054 SF 5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.74	7.32
06 15 13 00-0055 SF 2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	51.57	7.90
06 15 13 00-0056 SF 2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.70	7.51
06 15 13 00-0057 2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0058 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.95	7.90
06 15 13 00-0059 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	49.36	7.51
06 15 13 00-0060 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	53.30	8.11
06 15 13 00-0061 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.39	7.71
06 15 13 00-0062 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0063 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.97	8.10
06 15 13 00-0064 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	52.33	7.70
06 15 13 00-0065 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	56.50	8.31

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0066	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	55.11	7.89
06 15 13 00-0067			Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0068			2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0069	SF		5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.75	7.71
06 15 13 00-0070	SF		5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.09	7.32
06 15 13 00-0071	SF		2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.45	7.90
06 15 13 00-0072	SF		2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.80	7.51
06 15 13 00-0073			2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0074	SF		5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.27	7.90
06 15 13 00-0075	SF		5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.60	7.51
06 15 13 00-0076	SF		2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.05	8.11
06 15 13 00-0077	SF		2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.37	7.71
06 15 13 00-0078			2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0067)		
06 15 13 00-0079	SF		5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.88	8.10
06 15 13 00-0080	SF		5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.15	7.70
06 15 13 00-0081	SF		2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.69	8.31
06 15 13 00-0082	SF		2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.97	7.89
06 15 13 00-0083			Wood Stair Systems (06 15 13)		
			Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0084			Pressure Treated Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0085			2" x 10" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0086	RSR		3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	126.86	18.97
06 15 13 00-0087	RSR		3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	123.64	18.02
06 15 13 00-0088	RSR		3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	130.76	19.46
06 15 13 00-0089	RSR		3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	126.92	18.48
06 15 13 00-0090	RSR		3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.21	19.92
06 15 13 00-0091	RSR		3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.83	18.93
06 15 13 00-0092	RSR		3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.30	20.43
06 15 13 00-0093	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.26	19.41
06 15 13 00-0094	RSR		4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	139.71	20.92
06 15 13 00-0095	RSR		4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	136.16	19.87
06 15 13 00-0096	RSR		4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	144.01	21.46
06 15 13 00-0097	RSR		4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.77	20.38
06 15 13 00-0098	RSR		5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	148.28	21.96
06 15 13 00-0099	RSR		5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	144.64	20.86
06 15 13 00-0100	RSR		5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	152.86	22.53
06 15 13 00-0101	RSR		5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	148.47	21.40
06 15 13 00-0102			2" x 12" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0103	RSR		3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	129.60	19.45
06 15 13 00-0104	RSR		3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	125.79	18.47
06 15 13 00-0105	RSR		3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	133.71	19.94
06 15 13 00-0106	RSR		3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	129.84	18.95
06 15 13 00-0107	RSR		3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.07	20.42
06 15 13 00-0108	RSR		3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.09	19.40
06 15 13 00-0109	RSR		3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.39	20.94
06 15 13 00-0110	RSR		3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.32	19.89
06 15 13 00-0111	RSR		4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	142.74	21.44
06 15 13 00-0112	RSR		4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.54	20.36
06 15 13 00-0113	RSR		4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.26	21.98
06 15 13 00-0114	RSR		4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.99	20.89
06 15 13 00-0115	RSR		5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	151.48	22.52
06 15 13 00-0116	RSR		5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	147.14	21.39
06 15 13 00-0117	RSR		5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.29	23.08
06 15 13 00-0118	RSR		5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	151.87	21.93
06 15 13 00-0119			Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0120			2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0119)		
06 15 13 00-0121	RSR		3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.29	18.97
06 15 13 00-0122	RSR		3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.94	18.02
06 15 13 00-0123	RSR		3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.09	19.46
06 15 13 00-0124	RSR		3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.70	18.48
06 15 13 00-0125	RSR		3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	148.36	19.92
06 15 13 00-0126	RSR		3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	144.84	18.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0127	RSR		3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.40	20.43
06 15 13 00-0128	RSR		3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	149.83	19.41
06 15 13 00-0129	RSR		4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.55	20.92
06 15 13 00-0130	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.84	19.87
06 15 13 00-0131	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	160.83	21.46
06 15 13 00-0132	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	157.08	20.38
06 15 13 00-0133	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	165.70	21.96
06 15 13 00-0134	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	161.90	20.86
06 15 13 00-0135	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	171.36	22.53
06 15 13 00-0136	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	167.52	21.40
06 15 13 00-0137			2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System		
			<small>(06 15 13 00-0119)</small>		
06 15 13 00-0138	RSR		3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	139.77	19.45
06 15 13 00-0139	RSR		3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.33	18.47
06 15 13 00-0140	RSR		3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.30	19.94
06 15 13 00-0141	RSR		3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.93	18.95
06 15 13 00-0142	RSR		3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.76	20.42
06 15 13 00-0143	RSR		3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.15	19.40
06 15 13 00-0144	RSR		3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	151.51	20.94
06 15 13 00-0145	RSR		3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.97	19.89
06 15 13 00-0146	RSR		4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	153.90	21.44
06 15 13 00-0147	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.10	20.36
06 15 13 00-0148	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	158.88	21.98
06 15 13 00-0149	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	155.16	20.89
06 15 13 00-0150	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	163.76	22.52
06 15 13 00-0151	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.85	21.39
06 15 13 00-0152	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	169.08	23.08
06 15 13 00-0153	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	165.26	21.93
06 15 13 00-0154			Wood Deck And Ramp Systems Repairs <small>(06 15 13)</small>		
			Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155			Deck Joist Or Girt <small>(06 15 13 00-0154)</small>		
			See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156			Deck Boards <small>(06 15 13 00-0154)</small>		
			See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF		5/4" x 4" Round Edge Pressure Treated Deck Boards	2.22	0.99
06 15 13 00-0158	LF		5/4" x 6" Round Edge Pressure Treated Deck Boards	2.48	1.17
06 15 13 00-0159	LF		2" x 4" Round Edge Pressure Treated Deck Boards	2.39	1.17
06 15 13 00-0160	LF		2" x 6" Round Edge Pressure Treated Deck Boards	3.07	1.35
06 15 13 00-0161	LF		2" x 8" Round Edge Pressure Treated Deck Boards	3.89	1.62
06 15 13 00-0162	LF		2" x 10" Round Edge Pressure Treated Deck Boards	4.77	1.97
06 15 13 00-0163	LF		2" x 12" Round Edge Pressure Treated Deck Boards	5.84	2.34
06 15 13 00-0164	LF		2" x 4" Round Edge Cedar Deck Boards	2.62	1.17
06 15 13 00-0165	LF		2" x 6" Round Edge Cedar Deck Boards	3.30	1.35
06 15 13 00-0166	LF		2" x 4" Round Edge Redwood Deck Boards	2.82	1.17
06 15 13 00-0167	LF		2" x 6" Round Edge Redwood Deck Boards	3.61	1.35
06 15 13 00-0168			Deck Posts <small>(06 15 13 00-0154)</small>		
			See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169			Deck Railing And Pickets <small>(06 15 13 00-0154)</small>		
			See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF		2" x 4" Pressure Treated Deck Railing	2.39	1.17
06 15 13 00-0171	LF		2" x 2" Pressure Treated Deck Railing Picket	1.69	0.90
06 15 13 00-0172	LF		2" x 4" Cedar Deck Railing	2.62	1.17
06 15 13 00-0173	LF		2" x 2" Cedar Deck Railing Picket	1.97	0.90
06 15 13 00-0174	LF		2" x 4" Redwood Deck Railing	2.82	1.17
06 15 13 00-0175	LF		2" x 2" Redwood Deck Railing Picket	2.12	0.90
06 16 Sheathing <small>(06 10)</small>					
06 16 23 Subflooring <small>(06 16)</small>					
06 16 23 00-0001			Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002	SF		1" x 8" Regular Surface Board Type Subfloor	3.63	1.03
			Note: 4 Sides Laid In A Regular Pattern.		
			For Water Resistant Coating Or Treatment, Add	0.08	
			For Foil Backing, Add	0.13	
			For Tongue And Groove, Add	0.09	
06 16 23 00-0003	SF		1" x 8" Diagonal Surface Board Type Subfloor	4.05	1.28
			Note: 4 Sides Laid In A Diagonal Pattern.		
			For Water Resistant Coating Or Treatment, Add	0.08	
			For Foil Backing, Add	0.13	
			For Tongue And Groove, Add	0.09	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor		3.48	0.90
		Note: 4 sides laid in a regular pattern.			
		For Water Resistant Coating Or Treatment, Add		0.08	
		For Foil Backing, Add		0.14	
		For Tongue And Groove, Add		0.10	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor		3.78	1.03
		Note: 4 sides laid in a diagonal pattern.			
		For Water Resistant Coating Or Treatment, Add		0.08	
		For Foil Backing, Add		0.14	
		For Tongue And Groove, Add		0.10	
06 16 33 Wood Board Sheathing (06 16)					
06 16 33 00-0001		Plywood (06 16 33)			
06 16 33 00-0002		Roof Decking (06 16 33 00-0001)			
06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking		2.16	0.64
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.30	
		For Exterior CC Grade Plywood, Add		0.10	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.30	
		For ACQ Preservative Treatment, Add		0.31	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.28	
		For Fire Retardant Treatment, Add		0.51	
		For >1,696 To 3,200, Deduct		-0.04	
		For >3,200 To 6,400, Deduct		-0.06	
		For >6,400 To 12,800, Deduct		-0.11	
		For >12,800, Deduct		-0.15	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking		2.43	0.77
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.33	
		For Exterior CC Grade Plywood, Add		0.12	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.33	
		For ACQ Preservative Treatment, Add		0.37	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.48	
		For Fire Retardant Treatment, Add		0.62	
		For >1,696 To 3,200, Deduct		-0.05	
		For >3,200 To 6,400, Deduct		-0.07	
		For >6,400 To 12,800, Deduct		-0.13	
		For >12,800, Deduct		-0.18	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking		2.84	0.77
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.36	
		For Exterior CC Grade Plywood, Add		0.16	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.36	
		For ACQ Preservative Treatment, Add		0.51	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.67	
		For Fire Retardant Treatment, Add		0.84	
		For >1,696 To 3,200, Deduct		-0.06	
		For >3,200 To 6,400, Deduct		-0.10	
		For >6,400 To 12,800, Deduct		-0.16	
		For >12,800, Deduct		-0.22	
		For Tongue And Groove, Add		0.07	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking		3.14	0.90
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.38	
		For Exterior CC Grade Plywood, Add		0.18	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.38	
		For ACQ Preservative Treatment, Add		0.59	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.87	
		For Fire Retardant Treatment, Add		0.97	
		For >1,696 To 3,200, Deduct		-0.07	
		For >3,200 To 6,400, Deduct		-0.11	
		For >6,400 To 12,800, Deduct		-0.18	
		For >12,800, Deduct		-0.24	
		For Tongue And Groove, Add		0.09	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking		3.76	1.03
		Note: Applied to wood rafters.			
		For Shear Wall Construction, Add		0.42	
		For Exterior CC Grade Plywood, Add		0.25	
		For Application To Metal Studs, Joists, Or Rafters, Add		0.42	
		For ACQ Preservative Treatment, Add		0.80	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		3.15	
		For Fire Retardant Treatment, Add		1.31	
		For >1,696 To 3,200, Deduct		-0.10	
		For >3,200 To 6,400, Deduct		-0.15	
		For >6,400 To 12,800, Deduct		-0.24	
		For >12,800, Deduct		-0.30	
		For Tongue And Groove, Add		0.12	
06 16 33 00-0008		Wall Sheathing (06 16 33 00-0001)			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0009 SF 1/4" Interior BC Plywood Wall Sheathing.....	2.55	0.90
Note: Applied to wall studs.		
For Shear Wall Construction, Add	0.38	
For Exterior CC Grade Plywood, Add	0.10	
For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
For Ceiling Installation, Add	0.19	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.87	
For Fire Retardant Treatment, Add	0.51	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.17	
06 16 33 00-0010 SF 5/16" Interior BC Plywood Wall Sheathing.....	2.58	0.90
Note: Applied to wall studs.		
For Shear Wall Construction, Add	0.38	
For Exterior CC Grade Plywood, Add	0.10	
For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
For Ceiling Installation, Add	0.19	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.87	
For Fire Retardant Treatment, Add	0.53	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.18	
06 16 33 00-0011 SF 3/8" Interior BC Plywood Wall Sheathing.....	2.64	1.03
Note: Applied to wall studs.		
For Shear Wall Construction, Add	0.38	
For Exterior CC Grade Plywood, Add	0.11	
For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
For Ceiling Installation, Add	0.19	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.87	
For Fire Retardant Treatment, Add	0.58	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.13	
For >12,800, Deduct	-0.18	
06 16 33 00-0012 SF 1/2" Interior BC Plywood Wall Sheathing.....	2.96	1.03
Note: Applied to wall studs.		
For Shear Wall Construction, Add	0.41	
For Exterior CC Grade Plywood, Add	0.14	
For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
For Ceiling Installation, Add	0.21	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.08	
For Fire Retardant Treatment, Add	0.72	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.08	
For >6,400 To 12,800, Deduct	-0.15	
For >12,800, Deduct	-0.21	
06 16 33 00-0013 SF 5/8" Interior BC Plywood Wall Sheathing.....	3.41	1.16
Note: Applied to wall studs.		
For Shear Wall Construction, Add	0.44	
For Exterior CC Grade Plywood, Add	0.18	
For Application To Metal Studs, Joists, Or Rafters, Add	0.44	
For Ceiling Installation, Add	0.22	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.30	
For Fire Retardant Treatment, Add	0.96	
For >1,696 To 3,200, Deduct	-0.07	
For >3,200 To 6,400, Deduct	-0.11	
For >6,400 To 12,800, Deduct	-0.19	
For >12,800, Deduct	-0.26	
06 16 33 00-0014 SF 3/4" Interior BC Plywood Wall Sheathing.....	3.75	1.28
Note: Applied to wall studs.		
For Shear Wall Construction, Add	0.47	
For Exterior CC Grade Plywood, Add	0.21	
For Application To Metal Studs, Joists, Or Rafters, Add	0.47	
For Ceiling Installation, Add	0.24	
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.56	
For Fire Retardant Treatment, Add	1.09	
For >1,696 To 3,200, Deduct	-0.08	
For >3,200 To 6,400, Deduct	-0.12	
For >6,400 To 12,800, Deduct	-0.21	
For >12,800, Deduct	-0.28	
06 16 33 00-0015 Floor Decking <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking.....		1.97	0.77
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.16	
		For Fire Retardant Treatment, Add		0.42	
		For >1,696 To 3,200, Deduct		-0.03	
		For >3,200 To 6,400, Deduct		-0.05	
		For >6,400 To 12,800, Deduct		-0.09	
		For >12,800, Deduct		-0.14	
		For ACQ Preservative Treatment, Add		0.25	
		For Fir Plywood, Add		0.10	
		For BC Grade Plywood, Add		0.08	
		For Exterior Glue, Add		0.05	
		For Marine Grade, Add		0.41	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking.....		2.05	0.77
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.28	
		For Fire Retardant Treatment, Add		0.42	
		For >1,696 To 3,200, Deduct		-0.03	
		For >3,200 To 6,400, Deduct		-0.05	
		For >6,400 To 12,800, Deduct		-0.10	
		For >12,800, Deduct		-0.14	
		For ACQ Preservative Treatment, Add		0.25	
		For Fir Plywood, Add		0.10	
		For BC Grade Plywood, Add		0.08	
		For Exterior Glue, Add		0.05	
		For Marine Grade, Add		0.41	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking.....		2.31	0.77
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.42	
		For Fire Retardant Treatment, Add		0.55	
		For >1,696 To 3,200, Deduct		-0.04	
		For >3,200 To 6,400, Deduct		-0.06	
		For >6,400 To 12,800, Deduct		-0.12	
		For >12,800, Deduct		-0.16	
		For ACQ Preservative Treatment, Add		0.34	
		For Fir Plywood, Add		0.13	
		For BC Grade Plywood, Add		0.10	
		For Exterior Glue, Add		0.07	
		For Marine Grade, Add		0.55	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking.....		2.67	0.77
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.63	
		For Fire Retardant Treatment, Add		0.73	
		For >1,696 To 3,200, Deduct		-0.06	
		For >3,200 To 6,400, Deduct		-0.08	
		For >6,400 To 12,800, Deduct		-0.14	
		For >12,800, Deduct		-0.20	
		For ACQ Preservative Treatment, Add		0.44	
		For Fir Plywood, Add		0.17	
		For BC Grade Plywood, Add		0.14	
		For Exterior Glue, Add		0.09	
		For Marine Grade, Add		0.72	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking.....		3.03	0.77
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		2.78	
		For Fire Retardant Treatment, Add		0.93	
		For >1,696 To 3,200, Deduct		-0.07	
		For >3,200 To 6,400, Deduct		-0.11	
		For >6,400 To 12,800, Deduct		-0.18	
		For >12,800, Deduct		-0.23	
		For ACQ Preservative Treatment, Add		0.57	
		For Fir Plywood, Add		0.22	
		For BC Grade Plywood, Add		0.17	
		For Exterior Glue, Add		0.11	
		For Marine Grade, Add		0.92	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking.....		4.44	1.16
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add		3.32	
		For Fire Retardant Treatment, Add		1.76	
		For >1,696 To 3,200, Deduct		-0.13	
		For >3,200 To 6,400, Deduct		-0.20	
		For >6,400 To 12,800, Deduct		-0.30	
		For >12,800, Deduct		-0.38	
		For ACQ Preservative Treatment, Add		1.07	
		For Fir Plywood, Add		0.41	
		For BC Grade Plywood, Add		0.33	
		For Exterior Glue, Add		0.21	
		For Marine Grade, Add		1.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0022 SF 1/2" AC Fir Plywood Floor Decking.....	2.73	0.77
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.42	
For Fire Retardant Treatment, Add	0.88	
For >1,696 To 3,200, Deduct	-0.07	
For >3,200 To 6,400, Deduct	-0.10	
For >6,400 To 12,800, Deduct	-0.16	
For >12,800, Deduct	-0.21	
For ACQ Preservative Treatment, Add	0.54	
For Exterior Glue, Add	0.10	
For Marine Grade, Add	0.88	
For Tongue And Groove, Add	0.08	
06 16 33 00-0023 SF 5/8" AC Fir Plywood Floor Decking.....	3.19	0.77
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.63	
For Fire Retardant Treatment, Add	1.14	
For >1,696 To 3,200, Deduct	-0.09	
For >3,200 To 6,400, Deduct	-0.13	
For >6,400 To 12,800, Deduct	-0.20	
For >12,800, Deduct	-0.26	
For ACQ Preservative Treatment, Add	0.69	
For Exterior Glue, Add	0.13	
For Marine Grade, Add	1.13	
For Tongue And Groove, Add	0.10	
06 16 33 00-0024 SF 3/4" AC Fir Plywood Floor Decking.....	3.41	0.77
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.78	
For Fire Retardant Treatment, Add	1.23	
For >1,696 To 3,200, Deduct	-0.09	
For >3,200 To 6,400, Deduct	-0.14	
For >6,400 To 12,800, Deduct	-0.22	
For >12,800, Deduct	-0.28	
For ACQ Preservative Treatment, Add	0.75	
For Exterior Glue, Add	0.15	
For Marine Grade, Add	1.22	
For Tongue And Groove, Add	0.11	
06 16 33 00-0025 Underlayment Grade <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026 SF 1/4" Thick Plywood Underlayment BC Grade	2.12	0.77
For Fire Retardant Treatment, Add	0.50	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.09	
For >12,800, Deduct	-0.15	
06 16 33 00-0027 SF 3/8" Thick Plywood Underlayment BC Grade	2.25	0.77
For Fire Retardant Treatment, Add	0.54	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.10	
For >12,800, Deduct	-0.16	
06 16 33 00-0028 SF 1/2" Thick Plywood Underlayment BC Grade	2.33	0.90
For Fire Retardant Treatment, Add	0.58	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.17	
06 16 33 00-0029 SF 5/8" Thick Plywood Underlayment BC Grade	2.66	0.90
For Fire Retardant Treatment, Add	0.70	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.08	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.19	
For Tongue And Groove, Add	0.06	
06 16 33 00-0030 SF 3/4" Thick Plywood Underlayment BC Grade	2.85	0.90
For Fire Retardant Treatment, Add	0.85	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.10	
For >6,400 To 12,800, Deduct	-0.14	
For >12,800, Deduct	-0.22	
For Tongue And Groove, Add	0.07	
06 16 33 00-0031 SF 1-1/8" Thick Plywood Underlayment BC Grade	3.60	1.03
For Fire Retardant Treatment, Add	1.28	
For >1,696 To 3,200, Deduct	-0.10	
For >3,200 To 6,400, Deduct	-0.15	
For >6,400 To 12,800, Deduct	-0.20	
For >12,800, Deduct	-0.29	
For Tongue And Groove, Add	0.11	
06 16 33 00-0032 SF 3/8" Thick CDX Plywood Underlayment Grade.....	2.40	0.77
For Fire Retardant Treatment, Add	0.66	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.18	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0033	SF		5/8" Thick CDX Plywood Underlayment Grade.....	3.01	0.90
			<i>For Fire Retardant Treatment, Add</i>	1.00	
			<i>For >1,696 To 3,200, Deduct</i>	-0.08	
			<i>For >3,200 To 6,400, Deduct</i>	-0.11	
			<i>For >6,400 To 12,800, Deduct</i>	-0.16	
			<i>For >12,800, Deduct</i>	-0.24	
06 16 33 00-0034			Oriented Strand Board (06 16 33)		
06 16 33 00-0035			On Roof (06 16 33 00-0034)		
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	1.92	0.77
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.08	
			<i>For >12,800, Deduct</i>	-0.12	
			<i>For Fire Retardant Treatment, Add</i>	0.32	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.28	
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.12	0.77
			<i>For >1,408 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.09	
			<i>For >12,800, Deduct</i>	-0.14	
			<i>For Fire Retardant Treatment, Add</i>	0.37	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.48	
06 16 33 00-0038	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.46	0.90
			<i>For >1,408 To 3,200, Deduct</i>	-0.04	
			<i>For >3,200 To 6,400, Deduct</i>	-0.06	
			<i>For >6,400 To 12,800, Deduct</i>	-0.12	
			<i>For >12,800, Deduct</i>	-0.17	
			<i>For Fire Retardant Treatment, Add</i>	0.54	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.67	
06 16 33 00-0039	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.82	0.90
			<i>For >1,408 To 3,200, Deduct</i>	-0.05	
			<i>For >3,200 To 6,400, Deduct</i>	-0.08	
			<i>For >6,400 To 12,800, Deduct</i>	-0.15	
			<i>For >12,800, Deduct</i>	-0.20	
			<i>For Fire Retardant Treatment, Add</i>	0.72	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.87	
06 16 33 00-0040			On Walls (06 16 33 00-0034)		
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.31	0.90
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.09	
			<i>For >12,800, Deduct</i>	-0.14	
			<i>For Fire Retardant Treatment, Add</i>	0.32	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.87	
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.52	1.03
			<i>For >1,408 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.10	
			<i>For >12,800, Deduct</i>	-0.16	
			<i>For Fire Retardant Treatment, Add</i>	0.37	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.08	
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.88	1.16
			<i>For >1,408 To 3,200, Deduct</i>	-0.04	
			<i>For >3,200 To 6,400, Deduct</i>	-0.06	
			<i>For >6,400 To 12,800, Deduct</i>	-0.13	
			<i>For >12,800, Deduct</i>	-0.19	
			<i>For Fire Retardant Treatment, Add</i>	0.54	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.30	
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.28	1.16
			<i>For >1,408 To 3,200, Deduct</i>	-0.05	
			<i>For >3,200 To 6,400, Deduct</i>	-0.08	
			<i>For >6,400 To 12,800, Deduct</i>	-0.16	
			<i>For >12,800, Deduct</i>	-0.23	
			<i>For Fire Retardant Treatment, Add</i>	0.72	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.56	
06 16 33 00-0045			On Floors (06 16 33 00-0034)		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Floors.....	1.95	0.77
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.08	
			<i>For >12,800, Deduct</i>	-0.13	
			<i>For Fire Retardant Treatment, Add</i>	0.32	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0047 SF 1/2" Thick Structural Oriented Strand Board (OSB) On Floors <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.32 -0.03 -0.04 -0.10 -0.15 0.37 2.78	0.90
06 16 33 00-0048 SF 5/8" Thick Structural Oriented Strand Board (OSB) On Floors <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.69 -0.04 -0.06 -0.13 -0.18 0.54 3.02	1.03
06 16 33 00-0049 SF 3/4" Thick Structural Oriented Strand Board (OSB) On Floors <i>For >1,408 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.11 -0.05 -0.08 -0.16 -0.22 0.72 3.30	1.16
06 16 33 00-0050 Particle Board <small>(06 16 33)</small>		
06 16 33 00-0051 Particle Board Floor Decking <small>(06 16 33 00-0050)</small> Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052 SF 3/8" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.16 0.51 -0.04 -0.06 -0.11 -0.15 0.04	0.64
06 16 33 00-0053 SF 1/2" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.47 0.69 -0.05 -0.08 -0.14 -0.18 0.06	0.64
06 16 33 00-0054 SF 5/8" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.78 0.86 -0.07 -0.10 -0.16 -0.22 0.08	0.77
06 16 33 00-0055 SF 3/4" Particle Board Floor Decking Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For >1,536 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	3.07 1.01 -0.08 -0.12 -0.19 -0.24 0.09	0.77
06 16 43 Gypsum Sheathing <small>(06 16)</small>		
06 16 43 00-0001 Exterior Gypsum Sheathing <small>(06 16 43)</small> Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002 SF 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.11 0.41 0.21 -0.06 -0.10 -0.17 -0.23 3.08	1.03
06 16 43 00-0003 SF 5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For >1,696 To 3,200, Deduct</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.35 0.44 0.22 -0.07 -0.10 -0.18 -0.25 3.30	1.28

06 17 Shop-Fabricated Structural Wood (06 10)
06 17 13 Laminated Veneer Lumber (06 17)

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 13 00-0001 Laminated Veneer Lumber (LVL) <small>(06 17 13)</small>			
06 17 13 00-0002	LF 1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	7.42	2.22
06 17 13 00-0003	LF 1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	8.02	2.26
06 17 13 00-0004	LF 1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	8.71	2.29
06 17 13 00-0005	LF 1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	9.57	2.33
06 17 13 00-0006	LF 1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	10.23	2.37
06 17 13 00-0007	LF 1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	11.17	2.45
06 17 13 00-0008	LF 1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	12.48	2.49
06 17 13 00-0009	LF 1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	16.69	2.83

06 17 23 Parallel Strand Lumber (06 17)

06 17 23 00-0001 Laminated Strand Lumber (LSL) <small>(06 17 23)</small>			
06 17 23 00-0002	LF 2" x 4" Laminated Strand Lumber (LSL)	2.55	1.03
06 17 23 00-0003	LF 2" x 6" Laminated Strand Lumber (LSL)	3.28	1.09

06 17 33 Wood I-Joists (06 17)

06 17 33 00-0001 Prefabricated Wood I-Joists <small>(06 17 33)</small>			
06 17 33 00-0002	LF 9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.53	1.39
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.61	
	<i>For I-Joists >40' In Length, Add</i>	1.50	
06 17 33 00-0003	LF 11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	4.90	1.55
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.68	
	<i>For I-Joists >40' In Length, Add</i>	1.67	
06 17 33 00-0004	LF 14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.70	1.74
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.76	
	<i>For I-Joists >40' In Length, Add</i>	1.87	
06 17 33 00-0005	LF 16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.41	1.93
	<i>For I-Joists 30' To 40' In Length, Add</i>	0.85	
	<i>For I-Joists >40' In Length, Add</i>	2.09	

06 17 43 Rim Boards (06 17)

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board <small>(06 17 43)</small>			
06 17 43 00-0002	LF 1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	6.35	2.29
06 17 43 00-0003	LF 1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	6.82	2.33
06 17 43 00-0004	LF 1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	7.38	2.37

06 17 53 Shop-Fabricated Wood Trusses (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses <small>(06 17 53)</small>			
Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.			
06 17 53 00-0002	EA 10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	194.50	81.11
	<i>For Up To 15, Add</i>	2.42	
	<i>For >35, Deduct</i>	-1.61	
	<i>For 3 In 12 Slope, Add</i>	0.97	
	<i>For 5 In 12 Slope, Add</i>	2.58	
	<i>For 6 In 12 Slope, Add</i>	4.84	
	<i>For 7 In 12 Slope, Add</i>	6.46	
	<i>For 8 In 12 Slope, Add</i>	7.75	
06 17 53 00-0003	EA 12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	215.38	88.83
	<i>For Up To 15, Add</i>	2.83	
	<i>For >35, Deduct</i>	-1.89	
	<i>For 3 In 12 Slope, Add</i>	1.13	
	<i>For 5 In 12 Slope, Add</i>	3.02	
	<i>For 6 In 12 Slope, Add</i>	5.66	
	<i>For 7 In 12 Slope, Add</i>	7.54	
	<i>For 8 In 12 Slope, Add</i>	9.05	
06 17 53 00-0004	EA 14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	238.48	96.56
	<i>For Up To 15, Add</i>	3.40	
	<i>For >35, Deduct</i>	-2.27	
	<i>For 3 In 12 Slope, Add</i>	1.36	
	<i>For 5 In 12 Slope, Add</i>	3.63	
	<i>For 6 In 12 Slope, Add</i>	6.81	
	<i>For 7 In 12 Slope, Add</i>	9.07	
	<i>For 8 In 12 Slope, Add</i>	10.89	
06 17 53 00-0005	EA 16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	267.52	104.28
	<i>For Up To 15, Add</i>	4.42	
	<i>For >35, Deduct</i>	-2.95	
	<i>For 3 In 12 Slope, Add</i>	1.77	
	<i>For 5 In 12 Slope, Add</i>	4.72	
	<i>For 6 In 12 Slope, Add</i>	8.84	
	<i>For 7 In 12 Slope, Add</i>	11.79	
	<i>For 8 In 12 Slope, Add</i>	14.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0006 EA 18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	293.16	112.00
For Up To 15, Add	5.19	
For >35, Deduct	-3.46	
For 3 In 12 Slope, Add	2.07	
For 5 In 12 Slope, Add	5.53	
For 6 In 12 Slope, Add	10.37	
For 7 In 12 Slope, Add	13.83	
For 8 In 12 Slope, Add	16.60	
06 17 53 00-0007 EA 20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	311.74	123.59
For Up To 15, Add	4.84	
For >35, Deduct	-3.23	
For 3 In 12 Slope, Add	1.94	
For 5 In 12 Slope, Add	5.16	
For 6 In 12 Slope, Add	9.68	
For 7 In 12 Slope, Add	12.91	
For 8 In 12 Slope, Add	15.49	
06 17 53 00-0008 EA 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	329.08	196.98
For Up To 15, Add	4.98	
For >35, Deduct	-3.32	
For 3 In 12 Slope, Add	1.99	
For 5 In 12 Slope, Add	5.32	
For 6 In 12 Slope, Add	9.97	
For 7 In 12 Slope, Add	13.29	
For 8 In 12 Slope, Add	15.95	
06 17 53 00-0009 EA 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	350.16	139.04
For Up To 15, Add	5.41	
For >35, Deduct	-3.60	
For 3 In 12 Slope, Add	2.16	
For 5 In 12 Slope, Add	5.77	
For 6 In 12 Slope, Add	10.81	
For 7 In 12 Slope, Add	14.42	
For 8 In 12 Slope, Add	17.30	
06 17 53 00-0010 EA 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	371.86	220.15
For Up To 15, Add	5.87	
For >35, Deduct	-3.92	
For 3 In 12 Slope, Add	2.35	
For 5 In 12 Slope, Add	6.27	
For 6 In 12 Slope, Add	11.75	
For 7 In 12 Slope, Add	15.67	
For 8 In 12 Slope, Add	18.80	
06 17 53 00-0011 EA 28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	394.36	154.49
For Up To 15, Add	6.40	
For >35, Deduct	-4.27	
For 3 In 12 Slope, Add	2.56	
For 5 In 12 Slope, Add	6.83	
For 6 In 12 Slope, Add	12.81	
For 7 In 12 Slope, Add	17.08	
For 8 In 12 Slope, Add	20.49	
06 17 53 00-0012 EA 30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	412.51	243.32
For Up To 15, Add	6.61	
For >35, Deduct	-4.40	
For 3 In 12 Slope, Add	2.64	
For 5 In 12 Slope, Add	7.05	
For 6 In 12 Slope, Add	13.21	
For 7 In 12 Slope, Add	17.62	
For 8 In 12 Slope, Add	21.14	
06 17 53 00-0013 EA 32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	429.06	166.08
For Up To 15, Add	7.27	
For >35, Deduct	-4.85	
For 3 In 12 Slope, Add	2.91	
For 5 In 12 Slope, Add	7.75	
For 6 In 12 Slope, Add	14.54	
For 7 In 12 Slope, Add	19.38	
For 8 In 12 Slope, Add	23.26	
06 17 53 00-0014 EA 34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	463.78	260.78
For Up To 15, Add	8.71	
For >35, Deduct	-5.81	
For 3 In 12 Slope, Add	3.49	
For 5 In 12 Slope, Add	9.29	
For 6 In 12 Slope, Add	17.43	
For 7 In 12 Slope, Add	23.24	
For 8 In 12 Slope, Add	27.88	
06 17 53 00-0015 EA 36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	480.65	177.67
For Up To 15, Add	9.40	
For >35, Deduct	-6.27	
For 3 In 12 Slope, Add	3.76	
For 5 In 12 Slope, Add	10.03	
For 6 In 12 Slope, Add	18.80	
For 7 In 12 Slope, Add	25.07	
For 8 In 12 Slope, Add	30.08	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	504.66	278.08
			<i>For Up To 15, Add</i>	10.04	
			<i>For >35, Deduct</i>	-6.69	
			<i>For 3 In 12 Slope, Add</i>	4.02	
			<i>For 5 In 12 Slope, Add</i>	10.71	
			<i>For 6 In 12 Slope, Add</i>	20.08	
			<i>For 7 In 12 Slope, Add</i>	26.78	
			<i>For 8 In 12 Slope, Add</i>	32.13	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	522.97	193.11
			<i>For Up To 15, Add</i>	10.26	
			<i>For >35, Deduct</i>	-6.84	
			<i>For 3 In 12 Slope, Add</i>	4.10	
			<i>For 5 In 12 Slope, Add</i>	10.94	
			<i>For 6 In 12 Slope, Add</i>	20.51	
			<i>For 7 In 12 Slope, Add</i>	27.35	
			<i>For 8 In 12 Slope, Add</i>	32.82	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	567.34	301.26
			<i>For Up To 15, Add</i>	12.43	
			<i>For >35, Deduct</i>	-8.28	
			<i>For 3 In 12 Slope, Add</i>	4.97	
			<i>For 5 In 12 Slope, Add</i>	13.25	
			<i>For 6 In 12 Slope, Add</i>	24.85	
			<i>For 7 In 12 Slope, Add</i>	33.13	
			<i>For 8 In 12 Slope, Add</i>	39.76	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	610.92	208.56
			<i>For Up To 15, Add</i>	14.54	
			<i>For >35, Deduct</i>	-9.69	
			<i>For 3 In 12 Slope, Add</i>	5.81	
			<i>For 5 In 12 Slope, Add</i>	15.50	
			<i>For 6 In 12 Slope, Add</i>	29.07	
			<i>For 7 In 12 Slope, Add</i>	38.76	
			<i>For 8 In 12 Slope, Add</i>	46.51	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	632.61	216.29
			<i>For Up To 15, Add</i>	15.00	
			<i>For >35, Deduct</i>	-10.00	
			<i>For 3 In 12 Slope, Add</i>	6.00	
			<i>For 5 In 12 Slope, Add</i>	16.00	
			<i>For 6 In 12 Slope, Add</i>	30.01	
			<i>For 7 In 12 Slope, Add</i>	40.01	
			<i>For 8 In 12 Slope, Add</i>	48.01	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	661.86	224.01
			<i>For Up To 15, Add</i>	16.04	
			<i>For >35, Deduct</i>	-10.69	
			<i>For 3 In 12 Slope, Add</i>	6.42	
			<i>For 5 In 12 Slope, Add</i>	17.11	
			<i>For 6 In 12 Slope, Add</i>	32.08	
			<i>For 7 In 12 Slope, Add</i>	42.77	
			<i>For 8 In 12 Slope, Add</i>	51.32	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	737.19	231.73
			<i>For Up To 15, Add</i>	20.53	
			<i>For >35, Deduct</i>	-13.69	
			<i>For 3 In 12 Slope, Add</i>	8.21	
			<i>For 5 In 12 Slope, Add</i>	21.90	
			<i>For 6 In 12 Slope, Add</i>	41.06	
			<i>For 7 In 12 Slope, Add</i>	54.74	
			<i>For 8 In 12 Slope, Add</i>	65.69	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	708.29	208.40
			<i>For Up To 15, Add</i>	18.36	
			<i>For >35, Deduct</i>	-12.24	
			<i>For 3 In 12 Slope, Add</i>	7.34	
			<i>For 5 In 12 Slope, Add</i>	19.59	
			<i>For 6 In 12 Slope, Add</i>	36.72	
			<i>For 7 In 12 Slope, Add</i>	48.96	
			<i>For 8 In 12 Slope, Add</i>	58.76	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	743.29	243.32
			<i>For Up To 15, Add</i>	19.25	
			<i>For >35, Deduct</i>	-12.83	
			<i>For 3 In 12 Slope, Add</i>	7.70	
			<i>For 5 In 12 Slope, Add</i>	20.53	
			<i>For 6 In 12 Slope, Add</i>	38.50	
			<i>For 7 In 12 Slope, Add</i>	51.33	
			<i>For 8 In 12 Slope, Add</i>	61.59	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	771.35	225.55
			<i>For Up To 15, Add</i>	20.19	
			<i>For >35, Deduct</i>	-13.46	
			<i>For 3 In 12 Slope, Add</i>	8.08	
			<i>For 5 In 12 Slope, Add</i>	21.54	
			<i>For 6 In 12 Slope, Add</i>	40.39	
			<i>For 7 In 12 Slope, Add</i>	53.85	
			<i>For 8 In 12 Slope, Add</i>	64.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0026 EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	794.02	254.91
For Up To 15, Add	21.32	
For >35, Deduct	-14.21	
For 3 In 12 Slope, Add	8.53	
For 5 In 12 Slope, Add	22.74	
For 6 In 12 Slope, Add	42.63	
For 7 In 12 Slope, Add	56.84	
For 8 In 12 Slope, Add	68.21	
06 17 53 00-0027 EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	809.45	258.77
For Up To 15, Add	21.89	
For >35, Deduct	-14.60	
For 3 In 12 Slope, Add	8.76	
For 5 In 12 Slope, Add	23.35	
For 6 In 12 Slope, Add	43.79	
For 7 In 12 Slope, Add	58.38	
For 8 In 12 Slope, Add	70.06	
06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	198.60	81.11
For 3 In 12 Slope, Add	1.09	
For 5 In 12 Slope, Add	2.91	
For 6 In 12 Slope, Add	5.46	
For 7 In 12 Slope, Add	7.28	
For 8 In 12 Slope, Add	8.73	
For 16" On Center Gable Studs, Add	7.28	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	220.17	88.83
For 3 In 12 Slope, Add	1.28	
For 5 In 12 Slope, Add	3.40	
For 6 In 12 Slope, Add	6.38	
For 7 In 12 Slope, Add	8.50	
For 8 In 12 Slope, Add	10.20	
For 16" On Center Gable Studs, Add	8.50	
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	244.26	96.56
For 3 In 12 Slope, Add	1.53	
For 5 In 12 Slope, Add	4.09	
For 6 In 12 Slope, Add	7.67	
For 7 In 12 Slope, Add	10.23	
For 8 In 12 Slope, Add	12.28	
For 16" On Center Gable Studs, Add	10.23	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	275.02	104.28
For 3 In 12 Slope, Add	1.99	
For 5 In 12 Slope, Add	5.32	
For 6 In 12 Slope, Add	9.97	
For 7 In 12 Slope, Add	13.29	
For 8 In 12 Slope, Add	15.95	
For 16" On Center Gable Studs, Add	13.29	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	301.95	112.00
For 3 In 12 Slope, Add	2.34	
For 5 In 12 Slope, Add	6.24	
For 6 In 12 Slope, Add	11.69	
For 7 In 12 Slope, Add	15.59	
For 8 In 12 Slope, Add	18.71	
For 16" On Center Gable Studs, Add	15.59	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	329.19	123.59
For 3 In 12 Slope, Add	2.46	
For 5 In 12 Slope, Add	6.56	
For 6 In 12 Slope, Add	12.30	
For 7 In 12 Slope, Add	16.40	
For 8 In 12 Slope, Add	19.68	
For 16" On Center Gable Studs, Add	16.40	
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	347.03	131.31
For 3 In 12 Slope, Add	2.53	
For 5 In 12 Slope, Add	6.75	
For 6 In 12 Slope, Add	12.66	
For 7 In 12 Slope, Add	16.88	
For 8 In 12 Slope, Add	20.26	
For 16" On Center Gable Studs, Add	16.88	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	369.63	139.04
For 3 In 12 Slope, Add	2.75	
For 5 In 12 Slope, Add	7.32	
For 6 In 12 Slope, Add	13.73	
For 7 In 12 Slope, Add	18.31	
For 8 In 12 Slope, Add	21.97	
For 16" On Center Gable Studs, Add	18.31	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	393.01	146.77
For 3 In 12 Slope, Add	2.98	
For 5 In 12 Slope, Add	7.96	
For 6 In 12 Slope, Add	14.92	
For 7 In 12 Slope, Add	19.90	
For 8 In 12 Slope, Add	23.88	
For 16" On Center Gable Studs, Add	19.90	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0038	EA		28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	417.43	154.49
			<i>For 3 In 12 Slope, Add</i>	3.25	
			<i>For 5 In 12 Slope, Add</i>	8.68	
			<i>For 6 In 12 Slope, Add</i>	16.27	
			<i>For 7 In 12 Slope, Add</i>	21.69	
			<i>For 8 In 12 Slope, Add</i>	26.03	
			<i>For 16" On Center Gable Studs, Add</i>	21.69	
06 17 53 00-0039	EA		30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	437.26	162.21
			<i>For 3 In 12 Slope, Add</i>	3.39	
			<i>For 5 In 12 Slope, Add</i>	9.03	
			<i>For 6 In 12 Slope, Add</i>	16.93	
			<i>For 7 In 12 Slope, Add</i>	22.57	
			<i>For 8 In 12 Slope, Add</i>	27.08	
			<i>For 16" On Center Gable Studs, Add</i>	22.57	
06 17 53 00-0040	EA		32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	456.29	166.08
			<i>For 3 In 12 Slope, Add</i>	3.72	
			<i>For 5 In 12 Slope, Add</i>	9.93	
			<i>For 6 In 12 Slope, Add</i>	18.62	
			<i>For 7 In 12 Slope, Add</i>	24.83	
			<i>For 8 In 12 Slope, Add</i>	29.79	
			<i>For 16" On Center Gable Studs, Add</i>	24.83	
06 17 53 00-0041	EA		34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	496.42	173.80
			<i>For 3 In 12 Slope, Add</i>	4.46	
			<i>For 5 In 12 Slope, Add</i>	11.91	
			<i>For 6 In 12 Slope, Add</i>	22.32	
			<i>For 7 In 12 Slope, Add</i>	29.76	
			<i>For 8 In 12 Slope, Add</i>	35.72	
			<i>For 16" On Center Gable Studs, Add</i>	29.76	
06 17 53 00-0042	EA		36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	515.87	177.67
			<i>For 3 In 12 Slope, Add</i>	4.82	
			<i>For 5 In 12 Slope, Add</i>	12.84	
			<i>For 6 In 12 Slope, Add</i>	24.08	
			<i>For 7 In 12 Slope, Add</i>	32.11	
			<i>For 8 In 12 Slope, Add</i>	38.53	
			<i>For 16" On Center Gable Studs, Add</i>	32.11	
06 17 53 00-0043	EA		38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	542.28	185.39
			<i>For 3 In 12 Slope, Add</i>	5.15	
			<i>For 5 In 12 Slope, Add</i>	13.72	
			<i>For 6 In 12 Slope, Add</i>	25.73	
			<i>For 7 In 12 Slope, Add</i>	34.30	
			<i>For 8 In 12 Slope, Add</i>	41.16	
			<i>For 16" On Center Gable Studs, Add</i>	34.30	
06 17 53 00-0044	EA		40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	572.44	193.11
			<i>For 3 In 12 Slope, Add</i>	5.59	
			<i>For 5 In 12 Slope, Add</i>	14.90	
			<i>For 6 In 12 Slope, Add</i>	27.93	
			<i>For 7 In 12 Slope, Add</i>	37.24	
			<i>For 8 In 12 Slope, Add</i>	44.69	
			<i>For 16" On Center Gable Studs, Add</i>	37.24	
06 17 53 00-0045	EA		42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	627.27	200.83
			<i>For 3 In 12 Slope, Add</i>	6.77	
			<i>For 5 In 12 Slope, Add</i>	18.05	
			<i>For 6 In 12 Slope, Add</i>	33.84	
			<i>For 7 In 12 Slope, Add</i>	45.12	
			<i>For 8 In 12 Slope, Add</i>	54.14	
			<i>For 16" On Center Gable Studs, Add</i>	45.12	
06 17 53 00-0046	EA		44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	681.02	208.56
			<i>For 3 In 12 Slope, Add</i>	7.92	
			<i>For 5 In 12 Slope, Add</i>	21.11	
			<i>For 6 In 12 Slope, Add</i>	39.59	
			<i>For 7 In 12 Slope, Add</i>	52.78	
			<i>For 8 In 12 Slope, Add</i>	63.34	
			<i>For 16" On Center Gable Studs, Add</i>	52.78	
06 17 53 00-0047	EA		46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	704.97	216.29
			<i>For 3 In 12 Slope, Add</i>	8.17	
			<i>For 5 In 12 Slope, Add</i>	21.79	
			<i>For 6 In 12 Slope, Add</i>	40.86	
			<i>For 7 In 12 Slope, Add</i>	54.48	
			<i>For 8 In 12 Slope, Add</i>	65.38	
			<i>For 16" On Center Gable Studs, Add</i>	54.48	
06 17 53 00-0048	EA		48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	739.20	224.01
			<i>For 3 In 12 Slope, Add</i>	8.74	
			<i>For 5 In 12 Slope, Add</i>	23.29	
			<i>For 6 In 12 Slope, Add</i>	43.68	
			<i>For 7 In 12 Slope, Add</i>	58.24	
			<i>For 8 In 12 Slope, Add</i>	69.88	
			<i>For 16" On Center Gable Studs, Add</i>	58.24	
06 17 53 00-0049	EA		50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	797.59	231.73
			<i>For 3 In 12 Slope, Add</i>	10.02	
			<i>For 5 In 12 Slope, Add</i>	26.73	
			<i>For 6 In 12 Slope, Add</i>	50.12	
			<i>For 7 In 12 Slope, Add</i>	66.82	
			<i>For 8 In 12 Slope, Add</i>	80.19	
			<i>For 16" On Center Gable Studs, Add</i>	66.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	817.49	239.46
<i>For 3 In 12 Slope, Add</i>	10.16	
<i>For 5 In 12 Slope, Add</i>	27.09	
<i>For 6 In 12 Slope, Add</i>	50.79	
<i>For 7 In 12 Slope, Add</i>	67.72	
<i>For 8 In 12 Slope, Add</i>	81.26	
<i>For 16" On Center Gable Studs, Add</i>	67.72	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	841.59	243.32
<i>For 3 In 12 Slope, Add</i>	10.65	
<i>For 5 In 12 Slope, Add</i>	28.40	
<i>For 6 In 12 Slope, Add</i>	53.24	
<i>For 7 In 12 Slope, Add</i>	70.99	
<i>For 8 In 12 Slope, Add</i>	85.19	
<i>For 16" On Center Gable Studs, Add</i>	70.99	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	874.46	251.05
<i>For 3 In 12 Slope, Add</i>	11.17	
<i>For 5 In 12 Slope, Add</i>	29.79	
<i>For 6 In 12 Slope, Add</i>	55.86	
<i>For 7 In 12 Slope, Add</i>	74.47	
<i>For 8 In 12 Slope, Add</i>	89.37	
<i>For 16" On Center Gable Studs, Add</i>	74.47	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	902.85	254.91
<i>For 3 In 12 Slope, Add</i>	11.79	
<i>For 5 In 12 Slope, Add</i>	31.44	
<i>For 6 In 12 Slope, Add</i>	58.96	
<i>For 7 In 12 Slope, Add</i>	78.61	
<i>For 8 In 12 Slope, Add</i>	94.33	
<i>For 16" On Center Gable Studs, Add</i>	78.61	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	921.24	258.77
<i>For 3 In 12 Slope, Add</i>	12.11	
<i>For 5 In 12 Slope, Add</i>	32.30	
<i>For 6 In 12 Slope, Add</i>	60.56	
<i>For 7 In 12 Slope, Add</i>	80.74	
<i>For 8 In 12 Slope, Add</i>	96.89	
<i>For 16" On Center Gable Studs, Add</i>	80.74	

06 18 Glued-Laminated Construction (06 10)

06 18 13 Glued-Laminated Beams (06 18)

06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002 LF 3-1/2" x 6" Glue Laminated Straight Beam	9.27	3.40
06 18 13 00-0003 LF 3-1/2" x 7-1/2" Glue Laminated Straight Beam	11.57	4.24
06 18 13 00-0004 LF 3-1/2" x 9" Glue Laminated Straight Beam	13.90	5.09
06 18 13 00-0005 LF 3-1/2" x 9-1/2" Glue Laminated Straight Beam	14.67	5.38
06 18 13 00-0006 LF 3-1/2" x 10-1/2" Glue Laminated Straight Beam	16.20	5.95
06 18 13 00-0007 LF 3-1/2" x 12" Glue Laminated Straight Beam	18.52	6.79
06 18 13 00-0008 LF 3-1/2" x 13-1/2" Glue Laminated Straight Beam	20.84	7.64
06 18 13 00-0009 LF 3-1/2" x 14" Glue Laminated Straight Beam	21.61	7.93
06 18 13 00-0010 LF 3-1/2" x 15" Glue Laminated Straight Beam	23.17	8.49
06 18 13 00-0011 LF 3-1/2" x 16" Glue Laminated Straight Beam	24.69	9.06
06 18 13 00-0012 LF 3-1/2" x 16-1/2" Glue Laminated Straight Beam	25.46	9.35
06 18 13 00-0013 LF 3-1/2" x 18" Glue Laminated Straight Beam	27.78	10.20
06 18 13 00-0014 LF 3-1/2" x 19-1/2" Glue Laminated Straight Beam	30.10	11.05
06 18 13 00-0015 LF 3-1/2" x 21" Glue Laminated Straight Beam	32.41	11.90
06 18 13 00-0016 LF 3-1/2" x 22.5" Glue Laminated Straight Beam	34.74	12.75
06 18 13 00-0017 LF 5-1/2" x 6" Glue Laminated Straight Beam	14.56	5.34
06 18 13 00-0018 LF 5-1/2" x 7-1/2" Glue Laminated Straight Beam	18.19	6.69
06 18 13 00-0019 LF 5-1/2" x 9" Glue Laminated Straight Beam	21.84	8.01
06 18 13 00-0020 LF 5-1/2" x 9-1/2" Glue Laminated Straight Beam	23.04	8.46
06 18 13 00-0021 LF 5-1/2" x 10-1/2" Glue Laminated Straight Beam	25.46	9.35
06 18 13 00-0022 LF 5-1/2" x 12" Glue Laminated Straight Beam	29.11	10.68
06 18 13 00-0023 LF 5-1/2" x 13-1/2" Glue Laminated Straight Beam	32.75	12.02
06 18 13 00-0024 LF 5-1/2" x 14" Glue Laminated Straight Beam	33.96	12.46
06 18 13 00-0025 LF 5-1/2" x 15" Glue Laminated Straight Beam	36.39	13.35
06 18 13 00-0026 LF 5-1/2" x 16" Glue Laminated Straight Beam	38.81	14.24
06 18 13 00-0027 LF 5-1/2" x 16-1/2" Glue Laminated Straight Beam	40.03	14.69
06 18 13 00-0028 LF 5-1/2" x 18" Glue Laminated Straight Beam	43.67	16.02
06 18 13 00-0029 LF 5-1/2" x 19-1/2" Glue Laminated Straight Beam	47.30	17.36
06 18 13 00-0030 LF 5-1/2" x 21" Glue Laminated Straight Beam	50.95	18.69
06 18 13 00-0031 LF 5-1/2" x 22.5" Glue Laminated Straight Beam	54.59	20.04
06 18 13 00-0032 LF 5-1/2" x 24" Glue Laminated Straight Beam	58.22	21.37
06 18 13 00-0033 LF 6-3/4" x 9" Glue Laminated Straight Beam	26.81	9.84
06 18 13 00-0034 LF 6-3/4" x 9-1/2" Glue Laminated Straight Beam	28.29	10.38
06 18 13 00-0035 LF 6-3/4" x 10-1/2" Glue Laminated Straight Beam	31.26	11.47
06 18 13 00-0036 LF 6-3/4" x 12" Glue Laminated Straight Beam	35.73	13.10
06 18 13 00-0037 LF 6-3/4" x 13-1/2" Glue Laminated Straight Beam	40.20	14.75
06 18 13 00-0038 LF 6-3/4" x 14" Glue Laminated Straight Beam	41.68	15.29
06 18 13 00-0039 LF 6-3/4" x 15" Glue Laminated Straight Beam	44.66	16.39
06 18 13 00-0040 LF 6-3/4" x 16" Glue Laminated Straight Beam	47.63	17.48
06 18 13 00-0041 LF 6-3/4" x 16-1/2" Glue Laminated Straight Beam	49.13	18.02
06 18 13 00-0042 LF 6-3/4" x 18" Glue Laminated Straight Beam	53.58	19.66

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 18 Glued-Laminated Construction**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0043	LF		6-3/4" x 19-1/2" Glue Laminated Straight Beam	58.05	21.31
06 18 13 00-0044	LF		6-3/4" x 21" Glue Laminated Straight Beam	62.52	22.94
06 18 13 00-0045	LF		6-3/4" x 22.5" Glue Laminated Straight Beam	66.98	24.58
06 18 13 00-0046	LF		6-3/4" x 24" Glue Laminated Straight Beam	71.44	26.22
06 18 13 00-0047	LF		8-3/4" x 9" Glue Laminated Straight Beam	34.74	12.75
06 18 13 00-0048	LF		8-3/4" x 9-1/2" Glue Laminated Straight Beam	36.67	13.45
06 18 13 00-0049	LF		8-3/4" x 10-1/2" Glue Laminated Straight Beam	40.52	14.87
06 18 13 00-0050	LF		8-3/4" x 12" Glue Laminated Straight Beam	46.30	16.99
06 18 13 00-0051	LF		8-3/4" x 13-1/2" Glue Laminated Straight Beam	52.11	19.12
06 18 13 00-0052	LF		8-3/4" x 14" Glue Laminated Straight Beam	54.03	19.83
06 18 13 00-0053	LF		8-3/4" x 15" Glue Laminated Straight Beam	57.88	21.24
06 18 13 00-0054	LF		8-3/4" x 16" Glue Laminated Straight Beam	61.74	22.66
06 18 13 00-0055	LF		8-3/4" x 16-1/2" Glue Laminated Straight Beam	63.69	23.36
06 18 13 00-0056	LF		8-3/4" x 18" Glue Laminated Straight Beam	69.47	25.48
06 18 13 00-0057	LF		8-3/4" x 19-1/2" Glue Laminated Straight Beam	75.26	27.61
06 18 13 00-0058	LF		8-3/4" x 21" Glue Laminated Straight Beam	81.05	29.75
06 18 13 00-0059	LF		8-3/4" x 22.5" Glue Laminated Straight Beam	86.83	31.86
06 18 13 00-0060	LF		8-3/4" x 24" Glue Laminated Straight Beam	92.63	33.99
06 18 13 00-0061			Glue Laminated Decking <small>(06 18 13)</small>		
06 18 13 00-0062	LF		2" - 4" Thick x 4" Wide Glue Laminated Decking	4.83	2.20
06 18 13 00-0063	LF		2" - 4" Thick x 6" Wide Glue Laminated Decking	5.02	2.20
06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking	5.19	2.07
06 18 16			Glued-Laminated Columns <small>(06 18)</small>		
06 18 16 00-0001			Glue Laminated Structural Units <small>(06 18 16)</small>		
			Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF		3-1/4" x 7-1/2" Glue Laminated Purlin Or Column.....	13.59	4.50
06 18 16 00-0003	LF		3-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	15.30	4.99
06 18 16 00-0004	LF		5-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	29.29	10.66
06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column.....	31.96	11.17
06 20 Finish Carpentry <small>(06)</small>					
06 22 Millwork <small>(06 20)</small>					
06 22 13 Standard Pattern Wood Trim <small>(06 22)</small>					
06 22 13 00-0001			Pine Moldings (All Dimensions Are Nominal) <small>(06 22 13)</small>		
06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip	3.51	1.27
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip	3.68	1.02
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip	4.62	1.02
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip	5.17	1.02
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.48	
06 22 13 00-0006			Ceilings (All Dimensions Are Nominal) <small>(06 22 13)</small>		
06 22 13 00-0007			White Pine <small>(06 22 13 00-0006)</small>		
06 22 13 00-0008	LF		9/16" x 3-5/8" White Pine Crown Or Bed Molding	16.23	4.47
			For Birch, Add	3.55	
			For Mahogany, Oak, Maple Or Walnut, Add	5.07	
			For Poplar, Add	1.97	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
			For Stain Grade Material (No Finger Joints), Add	1.28	
06 22 13 00-0009	LF		1 1/16" x 4-5/8" White Pine Crown Or Bed Molding	21.72	5.36
			For Birch, Add	5.07	
			For Mahogany, Oak, Maple Or Walnut, Add	7.10	
			For Poplar, Add	2.81	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.76	
			For Stain Grade Material (No Finger Joints), Add	1.83	
06 22 13 00-0010	LF		3/4" x 3/4" White Pine Crown Or Bed Molding	8.04	3.06
			For Birch, Add	1.06	
			For Mahogany, Oak, Maple Or Walnut, Add	1.83	
			For Poplar, Add	0.59	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
			For Stain Grade Material (No Finger Joints), Add	0.38	
06 22 13 00-0011	LF		9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.10	3.06
			For Birch, Add	1.44	
			For Mahogany, Oak, Maple Or Walnut, Add	2.31	
			For Poplar, Add	0.80	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
			For Stain Grade Material (No Finger Joints), Add	0.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0012 LF 9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	11.92	3.82
For Birch, Add	2.00	
For Mahogany, Oak, Maple Or Walnut, Add	3.13	
For Poplar, Add	1.11	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
For Stain Grade Material (No Finger Joints), Add	0.72	
06 22 13 00-0013 LF 3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	13.68	3.82
For Birch, Add	2.63	
For Mahogany, Oak, Maple Or Walnut, Add	3.93	
For Poplar, Add	1.46	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
For Stain Grade Material (No Finger Joints), Add	0.95	
06 22 13 00-0014 LF 5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	16.99	4.59
For Birch, Add	3.36	
For Mahogany, Oak, Maple Or Walnut, Add	4.97	
For Poplar, Add	1.87	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.76	
For Stain Grade Material (No Finger Joints), Add	1.21	
06 22 13 00-0015 LF 1" x 2" White Pine Dentil Molding.....	8.31	3.57
For Birch, Add	1.16	
For Mahogany, Oak, Maple Or Walnut, Add	1.95	
For Poplar, Add	0.64	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
For Stain Grade Material (No Finger Joints), Add	0.42	
06 22 13 00-0016 LF 9/16" x 1-3/4" White Pine Cove Molding.....	6.98	2.68
For Birch, Add	1.14	
For Mahogany, Oak, Maple Or Walnut, Add	1.80	
For Poplar, Add	0.63	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.88	
For Stain Grade Material (No Finger Joints), Add	0.41	
06 22 13 00-0017 LF 1 1/16" x 2-3/4" White Pine Cove Molding.....	10.36	2.68
For Birch, Add	2.35	
For Mahogany, Oak, Maple Or Walnut, Add	3.33	
For Poplar, Add	1.31	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.88	
For Stain Grade Material (No Finger Joints), Add	0.85	
06 22 13 00-0018 LF 3/8" x 3/8" White Pine Cove Molding.....	4.14	1.53
For Birch, Add	0.54	
For Mahogany, Oak, Maple Or Walnut, Add	0.94	
For Poplar, Add	0.30	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.61	
For Stain Grade Material (No Finger Joints), Add	0.19	
06 22 13 00-0019 LF 1/2" x 1/2" White Pine Cove Molding.....	4.52	1.53
For Birch, Add	0.67	
For Mahogany, Oak, Maple Or Walnut, Add	1.11	
For Poplar, Add	0.37	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.61	
For Stain Grade Material (No Finger Joints), Add	0.24	
06 22 13 00-0020 LF 5/8" x 5/8" White Pine Cove Molding.....	6.02	1.92
For Birch, Add	1.02	
For Mahogany, Oak, Maple Or Walnut, Add	1.59	
For Poplar, Add	0.57	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.73	
For Stain Grade Material (No Finger Joints), Add	0.37	
06 22 13 00-0021 LF 3/4" x 3/4" White Pine Cove Molding.....	6.02	1.92
For Birch, Add	1.02	
For Mahogany, Oak, Maple Or Walnut, Add	1.59	
For Poplar, Add	0.57	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.73	
For Stain Grade Material (No Finger Joints), Add	0.37	
06 22 13 00-0022 LF 15/16" x 15/16" White Pine Cove Molding.....	7.73	1.92
For Birch, Add	1.63	
For Mahogany, Oak, Maple Or Walnut, Add	2.36	
For Poplar, Add	0.91	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.73	
For Stain Grade Material (No Finger Joints), Add	0.59	
06 22 13 00-0023 LF 7-1/2" Wide White Pine Mullion Covers.....	49.09	2.30
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.05	
06 22 13 00-0024 LF Three Piece White Pine Mullion Trim, 2 Cove Moldings.....	62.06	2.30
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.05	
06 22 13 00-0025 Cedar Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0026 LF 2" x 4" Cedar Ceiling Trim.....	14.07	6.42
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.13	
06 22 13 00-0027 Oak Trim <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028 LF 1" x 8" Clear Oak Ceiling Trim.....	14.55	5.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.97	
06 22 13 00-0029 Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0030 LF 1-1/8" Diameter Pine Closet Poles.....	12.24	3.32
06 22 13 00-0031 LF 1-5/8" Diameter Pine Closet Poles.....	14.77	3.32

06	06 Wood, Plastics, and Composites
	06 20 Finish Carpentry
	06 22 Millwork



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 22 13 00-0032 LF 2" Diameter Pine Closet Poles.....	19.98	3.70
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06 25 Prefinished Paneling (06 20)

06 25 16 Prefinished Plywood Paneling (06 25)

06 25 16 00-0001 Hardboard Panels (06 25 16)
 Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0003 SF 1/4" Tempered Hardboard Panels	6.40	2.31
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	1.58	
For Glue Laminated Installation, Add	0.32	
For 1/8" Thick Paneling, Deduct	-0.56	
For 1/2" Thick Paneling, Add	1.25	
For 5/8" Thick Paneling, Add	1.49	
For 3/4" Thick Paneling, Add	1.80	
For Fire Retardant Treatment (Class I), Add	0.91	

06 25 16 00-0004 SF 1/4" Plastic Faced Tempered Hardboard Panels	7.23	2.83
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	1.85	
For Glue Laminated Installation, Add	0.36	
For 1/8" Thick Paneling, Deduct	-0.61	
For 1/2" Thick Paneling, Add	1.31	
For 5/8" Thick Paneling, Add	1.54	
For 3/4" Thick Paneling, Add	1.82	
For Fire Retardant Treatment (Class I), Add	0.84	

06 25 16 00-0005 SF 1/4" Pegboard Tempered Hardboard Panels	7.19	2.31
For Waterproof Glue, Add	0.14	
For Ceiling Installation, Add	1.58	
For Glue Laminated Installation, Add	0.36	
For 1/8" Thick Paneling, Deduct	-0.69	
For 1/2" Thick Paneling, Add	1.68	
For 5/8" Thick Paneling, Add	2.09	
For 3/4" Thick Paneling, Add	2.61	
For Fire Retardant Treatment (Class I), Add	1.53	

06 25 16 00-0006 SF 1/4" Plastic Faced Pegboard Tempered Hardboard	7.46	2.83
For Waterproof Glue, Add	0.09	
For Ceiling Installation, Add	1.85	
For Glue Laminated Installation, Add	0.37	
For 1/8" Thick Paneling, Deduct	-0.65	
For 1/2" Thick Paneling, Add	1.44	
For 5/8" Thick Paneling, Add	1.71	
For 3/4" Thick Paneling, Add	2.06	
For Fire Retardant Treatment (Class I), Add	1.02	

06 25 16 00-0007 Untempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0008 SF 1/4" Untempered Hardboard Panels	6.16	2.31
For Waterproof Glue, Add	0.06	
For Glue Laminated Installation, Add	0.31	
For Lumber Core, Add	0.10	
For Fire Retardant Treatment (Class I), Add	0.72	

06 40 Architectural Woodwork (06)

06 41 Architectural Wood Casework (06 40)

06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters (06 41 13)
 Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002 LF Removal And Reinstallation Of Wood Base Cabinets	97.63	
06 41 13 00-0003 LF Removal And Reinstallation Of Wall Cabinets	84.90	
06 41 13 00-0004 LF Removal And Reinstallation Of Plastic Laminated Countertops	20.07	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0006)

06 41 13 00-0008 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	472.16	25.52
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	142.41	
For All Plywood Box Construction, Add	148.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0009 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	502.67	31.90
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0010 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	525.73	38.29
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0011 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	553.40	44.66
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0012 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	631.04	51.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0013 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	660.05	57.42
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0014 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	714.55	63.81
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0015 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	753.04	70.18
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0016 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	776.44	76.56
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0017 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	886.49	102.08
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0018 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	984.90	63.81
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0019 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,093.86	76.56
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0020 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,034.38	63.81
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0021 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,155.41	76.56
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0022 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	479.40	25.52
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0023 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	490.60	31.90
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0024 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	536.60	38.29
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0025 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	571.50	44.66
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0026 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	596.04	51.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0027 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	626.26	57.42
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0028 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,031.96	63.81
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0029 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,088.55	70.18
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
<i>For All Plywood Box Construction, Add</i>	148.45	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,144.55	76.56
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0031	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	590.43	25.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0032	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	602.84	31.90
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0033	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	654.87	38.29
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0034	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	697.02	44.66
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0035	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	733.63	51.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0036	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	771.09	57.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0037	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,082.65	63.81
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0038	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,145.28	70.18
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0039	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,209.72	76.56
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0040			Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0006)		
06 41 13 00-0041	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	422.68	63.81
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0042	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	451.44	70.18
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0043	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	497.88	76.56
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0044	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	531.68	82.95
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0045			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0006)		
06 41 13 00-0046	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	358.35	25.52
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0047	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	366.94	31.90
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0048	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	385.18	38.29
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0049	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	394.97	44.66
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0050	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	405.98	51.04
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0051	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	425.43	63.81
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0052	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	455.73	70.18
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0053	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	497.88	76.56
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0054	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	531.68	82.95
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0055			Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0006)		
06 41 13 00-0056	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	372.83	25.52
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0057	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	392.28	31.90
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0058	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	406.90	38.29
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0059	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	422.73	44.66
			<i>For All Plywood Box Construction, Add</i>	79.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0060 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	444.60 79.66	51.04
06 41 13 00-0061 EA 27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	470.01 79.66	57.45
06 41 13 00-0062 EA 30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	493.01 79.66	63.81
06 41 13 00-0063 EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	511.25 79.66	70.18
06 41 13 00-0064 EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	522.02 79.66	76.56
06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep <small>(06 41 13 00-0066)</small>		
06 41 13 00-0066 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	404.19 79.66	25.52
06 41 13 00-0067 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	440.58 79.66	31.90
06 41 13 00-0068 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	470.62 79.66	38.29
06 41 13 00-0069 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	507.05 79.66	44.66
06 41 13 00-0070 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	542.31 79.66	51.04
06 41 13 00-0071 EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	595.46 79.66	57.45
06 41 13 00-0072 EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	610.02 79.66	63.81
06 41 13 00-0073 EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	665.87 79.66	70.18
06 41 13 00-0074 EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	685.51 79.66	76.56
06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep <small>(06 41 13 00-0066)</small>		
06 41 13 00-0076 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	456.09 79.66	25.52
06 41 13 00-0077 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	494.89 79.66	31.90
06 41 13 00-0078 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	528.55 79.66	38.29
06 41 13 00-0079 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	567.40 79.66	44.66
06 41 13 00-0080 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	666.62 79.66	51.04
06 41 13 00-0081 EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	670.29 79.66	57.45
06 41 13 00-0082 EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	694.50 79.66	63.81
06 41 13 00-0083 EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	760.01 79.66	70.18
06 41 13 00-0084 EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	779.65 79.66	76.56
06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep <small>(06 41 13 00-0066)</small>		
06 41 13 00-0086 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	510.40 79.66	25.52
06 41 13 00-0087 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	557.65 79.66	31.90
06 41 13 00-0088 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	593.73 79.66	38.29
06 41 13 00-0089 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	631.36 79.66	44.66
06 41 13 00-0090 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	688.34 79.66	51.04
06 41 13 00-0091 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	735.46 79.66	57.45
06 41 13 00-0092 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	774.16 79.66	63.81
06 41 13 00-0093 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	848.11 79.66	70.18
06 41 13 00-0094 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	873.78 79.66	76.56
06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep <small>(06 41 13 00-0066)</small>		
06 41 13 00-0096 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	484.03 79.66	63.81
06 41 13 00-0097 EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	520.11 79.66	70.18
06 41 13 00-0098 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	559.20 79.66	76.56

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0099	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	605.14	82.95
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0100	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet.....	716.33	102.08
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0101			Utility Cabinets, 84" High <small>(06 41 13 00-0006)</small>		
06 41 13 00-0102	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	923.49	56.71
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0103	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,045.49	68.06
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0104	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,175.95	533.13
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0105	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,235.22	90.74
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0106	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,498.44	113.44
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0107	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,730.27	136.12
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0108	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,046.60	56.71
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0109	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,157.73	68.06
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0110	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,323.19	79.40
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0111	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,405.40	90.74
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0112	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,748.27	113.44
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0113	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	2,000.61	136.12
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0114			Solid Oak Face Frame And Door, Wall And Base Cabinets <small>(06 41 13 00-0005)</small>		
06 41 13 00-0115			Base Cabinets, 35" High, 23-3/4" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0116	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	425.09	25.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0117	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	451.98	31.90
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0118	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	472.63	38.29
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0119	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	497.88	44.66
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0120	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	565.87	51.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0121	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	592.47	57.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0122	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	639.72	63.81
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0123	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	674.59	70.18
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0124	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	695.58	76.56
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0125	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	793.56	102.08
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0126	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	878.69	63.81
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0127	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	974.38	76.56
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
			<i>For All Plywood Box Construction, Add</i>	148.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0128 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	922.14 427.24 148.45	63.81
06 41 13 00-0129 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,028.69 427.24 148.45	76.56
06 41 13 00-0130 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	432.33 427.24 148.45	25.52
06 41 13 00-0131 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	442.32 427.24 148.45	31.90
06 41 13 00-0132 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	482.29 427.24 148.45	38.29
06 41 13 00-0133 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	513.57 427.24 148.45	44.66
06 41 13 00-0134 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	535.70 427.24 148.45	51.04
06 41 13 00-0135 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	562.29 427.24 148.45	57.42
06 41 13 00-0136 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	919.72 427.24 148.45	63.81
06 41 13 00-0137 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	969.07 427.24 148.45	70.18
06 41 13 00-0138 EA 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,019.03 427.24 148.45	76.56
06 41 13 00-0139 EA 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	528.88 569.66 148.45	25.52
06 41 13 00-0140 EA 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.29 569.66 148.45	31.90
06 41 13 00-0141 EA 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	587.29 569.66 148.45	38.29
06 41 13 00-0142 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	624.61 569.66 148.45	44.66
06 41 13 00-0143 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	656.39 569.66 148.45	51.04
06 41 13 00-0144 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	690.23 569.66 148.45	57.42
06 41 13 00-0145 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	964.38 569.66 148.45	63.81
06 41 13 00-0146 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,019.76 569.66 148.45	70.18
06 41 13 00-0147 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,076.96 569.66 148.45	76.56
06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0114)		
06 41 13 00-0149 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	381.64 79.66	63.81
06 41 13 00-0150 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	406.79 79.66	70.18
06 41 13 00-0151 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	448.40 79.66	76.56
06 41 13 00-0152 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	478.57 79.66	82.95
06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0114)		
06 41 13 00-0154 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	324.55 79.66	25.52
06 41 13 00-0155 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	331.94 79.66	31.90
06 41 13 00-0156 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	347.77 79.66	38.29
06 41 13 00-0157 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	357.56 79.66	44.66

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0158	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	367.36 79.66	51.04
06 41 13 00-0159	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	384.39 79.66	63.81
06 41 13 00-0160	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	411.08 79.66	70.18
06 41 13 00-0161	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	448.40 79.66	76.56
06 41 13 00-0162	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	478.57 79.66	82.95
06 41 13 00-0163			Wall Cabinets, 18" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0164	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	336.62 79.66	25.52
06 41 13 00-0165	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	353.66 79.66	31.90
06 41 13 00-0166	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	367.08 79.66	38.29
06 41 13 00-0167	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	381.69 79.66	44.66
06 41 13 00-0168	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	401.15 79.66	51.04
06 41 13 00-0169	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	424.15 79.66	57.45
06 41 13 00-0170	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	443.53 79.66	63.81
06 41 13 00-0171	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	460.56 79.66	70.18
06 41 13 00-0172	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	470.12 79.66	76.56
06 41 13 00-0173			Wall Cabinets, 30" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0174	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	366.78 79.66	25.52
06 41 13 00-0175	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	399.55 79.66	31.90
06 41 13 00-0176	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	425.97 79.66	38.29
06 41 13 00-0177	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	457.57 79.66	44.66
06 41 13 00-0178	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	489.20 79.66	51.04
06 41 13 00-0179	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	536.32 79.66	57.45
06 41 13 00-0180	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	549.67 79.66	63.81
06 41 13 00-0181	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	598.29 79.66	70.18
06 41 13 00-0182	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	616.71 79.66	76.56
06 41 13 00-0183			Wall Cabinets, 36" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0184	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	412.64 79.66	25.52
06 41 13 00-0185	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	446.62 79.66	31.90
06 41 13 00-0186	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	476.66 79.66	38.29
06 41 13 00-0187	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	510.67 79.66	44.66
06 41 13 00-0188	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	599.03 79.66	51.04
06 41 13 00-0189	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	601.50 79.66	57.45
06 41 13 00-0190	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	623.29 79.66	63.81
06 41 13 00-0191	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	681.56 79.66	70.18
06 41 13 00-0192	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	698.78 79.66	76.56
06 41 13 00-0193			Wall Cabinets, 42" High, 12" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0194	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	459.71 79.66	25.52
06 41 13 00-0195	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	502.14 79.66	31.90
06 41 13 00-0196	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	534.59 79.66	38.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0197 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	567.40 79.66	44.66
06 41 13 00-0198 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	618.34 79.66	51.04
06 41 13 00-0199 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	659.43 79.66	57.45
06 41 13 00-0200 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	693.29 79.66	63.81
06 41 13 00-0201 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	758.80 79.66	70.18
06 41 13 00-0202 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	782.06 79.66	76.56
06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep <small>(06 41 13 00-0114)</small>		
06 41 13 00-0204 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	436.96 79.66	63.81
06 41 13 00-0205 EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	469.42 79.66	70.18
06 41 13 00-0206 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	503.68 79.66	76.56
06 41 13 00-0207 EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	544.80 79.66	82.95
06 41 13 00-0208 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	642.71 79.66	102.08
06 41 13 00-0209 Utility Cabinets, 84" High <small>(06 41 13 00-0114)</small>		
06 41 13 00-0210 EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	836.60 294.48	56.71
06 41 13 00-0211 EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	946.53 294.48	68.06
06 41 13 00-0212 EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,063.71 294.48	533.13
06 41 13 00-0213 EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,118.15 294.48	90.74
06 41 13 00-0214 EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,351.20 294.48	113.44
06 41 13 00-0215 EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,557.68 294.48	136.12
06 41 13 00-0216 EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	945.22 294.48	56.71
06 41 13 00-0217 EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,045.49 294.48	68.06
06 41 13 00-0218 EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,192.85 294.48	79.40
06 41 13 00-0219 EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,267.81 294.48	90.74
06 41 13 00-0220 EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,570.85 294.48	113.44
06 41 13 00-0221 EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,795.44 294.48	136.12
06 41 13 00-0222 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets <small>(06 41 13 00-0005)</small>		
06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep <small>(06 41 13 00-0222)</small>		
06 41 13 00-0224 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	425.09 142.41 148.45	25.52
06 41 13 00-0225 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	451.98 142.41 148.45	31.90
06 41 13 00-0226 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	472.63 142.41 148.45	38.29
06 41 13 00-0227 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	497.88 142.41 148.45	44.66
06 41 13 00-0228 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	565.87 142.41 148.45	51.04
06 41 13 00-0229 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	592.47 142.41 148.45	57.42

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0230	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	639.72 142.41 148.45	63.81
06 41 13 00-0231	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	674.59 142.41 148.45	70.18
06 41 13 00-0232	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	695.58 142.41 148.45	76.56
06 41 13 00-0233	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	793.56 284.83 148.45	102.08
06 41 13 00-0234	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	878.69 284.83 148.45	63.81
06 41 13 00-0235	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	974.38 284.83 148.45	76.56
06 41 13 00-0236	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	922.14 427.24 148.45	63.81
06 41 13 00-0237	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,028.69 427.24 148.45	76.56
06 41 13 00-0238	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	432.33 427.24 148.45	25.52
06 41 13 00-0239	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	442.32 427.24 148.45	31.90
06 41 13 00-0240	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	482.29 427.24 148.45	38.29
06 41 13 00-0241	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	513.57 427.24 148.45	44.66
06 41 13 00-0242	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	535.70 427.24 148.45	51.04
06 41 13 00-0243	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	562.29 427.24 148.45	57.42
06 41 13 00-0244	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	919.72 427.24 148.45	63.81
06 41 13 00-0245	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	969.07 427.24 148.45	70.18
06 41 13 00-0246	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,019.03 427.24 148.45	76.56
06 41 13 00-0247	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	528.88 569.66 148.45	25.52
06 41 13 00-0248	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.29 569.66 148.45	31.90
06 41 13 00-0249	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	587.29 569.66 148.45	38.29
06 41 13 00-0250	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	624.61 569.66 148.45	44.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0251 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	656.39	51.04
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0252 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	690.23	57.42
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0253 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	964.38	63.81
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0254 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	1,019.76	70.18
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0255 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	1,076.96	76.56
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0257 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	381.64	63.81
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0258 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	406.79	70.18
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0259 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	448.40	76.56
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0260 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	478.57	82.95
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0262 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	324.55	25.52
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0263 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	331.94	31.90
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0264 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	347.77	38.29
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0265 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	357.56	44.66
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0266 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	367.36	51.04
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0267 EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	384.39	63.81
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0268 EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	411.08	70.18
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0269 EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	448.40	76.56
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0270 EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	478.57	82.95
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0272 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	336.62	25.52
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0273 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	353.66	31.90
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0274 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	367.08	38.29
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0275 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	381.69	44.66
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0276 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	401.15	51.04
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0277 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	424.15	57.45
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0278 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	443.53	63.81
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0279 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	460.56	70.18
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0280 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	470.12	76.56
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0282 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	366.78	25.52
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0283 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	399.55	31.90
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0284 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	425.97	38.29
<i>For All Plywood Box Construction, Add</i>	79.66	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0285	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....457.57 <i>For All Plywood Box Construction, Add</i> 79.66	44.66	
06 41 13 00-0286	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....489.20 <i>For All Plywood Box Construction, Add</i> 79.66	51.04	
06 41 13 00-0287	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....536.32 <i>For All Plywood Box Construction, Add</i> 79.66	57.45	
06 41 13 00-0288	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....549.67 <i>For All Plywood Box Construction, Add</i> 79.66	63.81	
06 41 13 00-0289	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....598.29 <i>For All Plywood Box Construction, Add</i> 79.66	70.18	
06 41 13 00-0290	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....616.71 <i>For All Plywood Box Construction, Add</i> 79.66	76.56	
06 41 13 00-0291			Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0292	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....412.64 <i>For All Plywood Box Construction, Add</i> 79.66	25.52	
06 41 13 00-0293	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....446.62 <i>For All Plywood Box Construction, Add</i> 79.66	31.90	
06 41 13 00-0294	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....476.66 <i>For All Plywood Box Construction, Add</i> 79.66	38.29	
06 41 13 00-0295	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....510.67 <i>For All Plywood Box Construction, Add</i> 79.66	44.66	
06 41 13 00-0296	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....599.03 <i>For All Plywood Box Construction, Add</i> 79.66	51.04	
06 41 13 00-0297	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....601.50 <i>For All Plywood Box Construction, Add</i> 79.66	57.45	
06 41 13 00-0298	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....623.29 <i>For All Plywood Box Construction, Add</i> 79.66	63.81	
06 41 13 00-0299	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....681.56 <i>For All Plywood Box Construction, Add</i> 79.66	70.18	
06 41 13 00-0300	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....698.78 <i>For All Plywood Box Construction, Add</i> 79.66	76.56	
06 41 13 00-0301			Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0302	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....459.71 <i>For All Plywood Box Construction, Add</i> 79.66	25.52	
06 41 13 00-0303	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....502.14 <i>For All Plywood Box Construction, Add</i> 79.66	31.90	
06 41 13 00-0304	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....534.59 <i>For All Plywood Box Construction, Add</i> 79.66	38.29	
06 41 13 00-0305	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....567.40 <i>For All Plywood Box Construction, Add</i> 79.66	44.66	
06 41 13 00-0306	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....618.34 <i>For All Plywood Box Construction, Add</i> 79.66	51.04	
06 41 13 00-0307	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....659.43 <i>For All Plywood Box Construction, Add</i> 79.66	57.45	
06 41 13 00-0308	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....693.29 <i>For All Plywood Box Construction, Add</i> 79.66	63.81	
06 41 13 00-0309	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....758.80 <i>For All Plywood Box Construction, Add</i> 79.66	70.18	
06 41 13 00-0310	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....782.06 <i>For All Plywood Box Construction, Add</i> 79.66	76.56	
06 41 13 00-0311			Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0222)		
06 41 13 00-0312	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....436.96 <i>For All Plywood Box Construction, Add</i> 79.66	63.81	
06 41 13 00-0313	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....469.42 <i>For All Plywood Box Construction, Add</i> 79.66	70.18	
06 41 13 00-0314	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....503.68 <i>For All Plywood Box Construction, Add</i> 79.66	76.56	
06 41 13 00-0315	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....544.80 <i>For All Plywood Box Construction, Add</i> 79.66	82.95	
06 41 13 00-0316	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....642.71 <i>For All Plywood Box Construction, Add</i> 79.66	102.08	
06 41 13 00-0317			Utility Cabinets, 84" High (06 41 13 00-0222)		
06 41 13 00-0318	EA		15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....836.60 <i>For All Plywood Box Construction, Add</i> 294.48	56.71	
06 41 13 00-0319	EA		18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....946.53 <i>For All Plywood Box Construction, Add</i> 294.48	68.06	
06 41 13 00-0320	EA		21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....1,063.71 <i>For All Plywood Box Construction, Add</i> 294.48	533.13	
06 41 13 00-0321	EA		24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....1,118.15 <i>For All Plywood Box Construction, Add</i> 294.48	90.74	
06 41 13 00-0322	EA		30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....1,351.20 <i>For All Plywood Box Construction, Add</i> 294.48	113.44	
06 41 13 00-0323	EA		36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....1,557.68 <i>For All Plywood Box Construction, Add</i> 294.48	136.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0324 EA 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	945.22 294.48	56.71
06 41 13 00-0325 EA 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,045.49 294.48	68.06
06 41 13 00-0326 EA 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,192.85 294.48	79.40
06 41 13 00-0327 EA 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,267.81 294.48	90.74
06 41 13 00-0328 EA 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,570.85 294.48	113.44
06 41 13 00-0329 EA 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,795.44 294.48	136.12
06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets <small>(06 41 13 00-0005)</small>		
06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep <small>(06 41 13 00-0330)</small>		
06 41 13 00-0332 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	425.09 142.41 148.45	25.52
06 41 13 00-0333 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	451.98 142.41 148.45	31.90
06 41 13 00-0334 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	472.63 142.41 148.45	38.29
06 41 13 00-0335 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	497.88 142.41 148.45	44.66
06 41 13 00-0336 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	565.87 142.41 148.45	51.04
06 41 13 00-0337 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	592.47 142.41 148.45	57.42
06 41 13 00-0338 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	639.72 142.41 148.45	63.81
06 41 13 00-0339 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	674.59 142.41 148.45	70.18
06 41 13 00-0340 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	695.58 142.41 148.45	76.56
06 41 13 00-0341 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	793.56 284.83 148.45	102.08
06 41 13 00-0342 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	878.69 284.83 148.45	63.81
06 41 13 00-0343 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	974.38 284.83 148.45	76.56
06 41 13 00-0344 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	922.14 427.24 148.45	63.81
06 41 13 00-0345 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,028.69 427.24 148.45	76.56
06 41 13 00-0346 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	432.33 427.24 148.45	25.52
06 41 13 00-0347 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	442.32 427.24 148.45	31.90

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0348	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	482.29	38.29
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0349	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	513.57	44.66
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0350	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	535.70	51.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0351	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	562.29	57.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0352	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	919.72	63.81
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0353	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	969.07	70.18
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0354	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	1,019.03	76.56
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0355	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	528.88	25.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0356	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	541.29	31.90
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0357	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	587.29	38.29
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0358	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	624.61	44.66
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0359	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	656.39	51.04
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0360	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	690.23	57.42
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0361	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	964.38	63.81
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0362	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	1,019.76	70.18
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0363	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	1,076.96	76.56
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0364			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0365	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	381.64	63.81
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0366	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	406.79	70.18
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0367	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	448.40	76.56
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0368	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	478.57	82.95
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0369			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0370	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	324.55	25.52
			<i>For All Plywood Box Construction, Add</i>	79.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0371 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	331.94	31.90
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0372 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	347.77	38.29
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0373 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	357.56	44.66
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0374 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	367.36	51.04
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0375 EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	384.39	63.81
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0376 EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	411.08	70.18
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0377 EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	448.40	76.56
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0378 EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	478.57	82.95
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0380 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	336.62	25.52
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0381 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	353.66	31.90
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0382 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	367.08	38.29
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0383 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	381.69	44.66
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0384 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	401.15	51.04
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0385 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	424.15	57.45
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0386 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	443.53	63.81
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0387 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	460.56	70.18
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0388 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	470.12	76.56
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0389 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0390 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	366.78	25.52
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0391 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	399.55	31.90
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0392 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	425.97	38.29
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0393 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	457.57	44.66
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0394 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	489.20	51.04
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0395 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	536.32	57.45
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0396 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	549.67	63.81
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0397 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	598.29	70.18
<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0398 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	616.71	76.56
<i>For All Plywood Box Construction, Add</i>	79.66	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 41 13 00-0399		Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0330)			
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	412.64		25.52
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	446.62		31.90
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	476.66		38.29
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	510.67		44.66
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	599.03		51.04
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	601.50		57.45
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	623.29		63.81
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	681.56		70.18
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	698.78		76.56
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0409		Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0330)			
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	459.71		25.52
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	502.14		31.90
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	534.59		38.29
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	567.40		44.66
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	618.34		51.04
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	659.43		57.45
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	693.29		63.81
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	758.80		70.18
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	782.06		76.56
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0419		Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0330)			
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	436.96		63.81
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	469.42		70.18
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	503.68		76.56
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	544.80		82.95
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	642.71		102.08
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0425		Utility Cabinets, 84" High (06 41 13 00-0330)			
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	836.60		56.71
		<i>For All Plywood Box Construction, Add</i>	294.48		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0427 EA 18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	946.53	68.06
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0428 EA 21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,063.71	533.13
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0429 EA 24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,118.15	90.74
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0430 EA 30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,351.20	113.44
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0431 EA 36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,557.68	136.12
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0432 EA 15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	945.22	56.71
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0433 EA 18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,045.49	68.06
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0434 EA 21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,192.85	79.40
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0435 EA 24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,267.81	90.74
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0436 EA 30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,570.85	113.44
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	
06 41 13 00-0437 EA 36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,795.44	136.12
<i>For All Plywood Box Construction, Add</i>	<i>294.48</i>	

06 41 93 Cabinet and Drawer Hardware (06 41)

06 41 93 00-0001 Cabinet Hardware (06 41 93)

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002 EA 4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	30.18	10.85
06 41 93 00-0003 EA 7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	31.04	10.85
06 41 93 00-0004 EA 10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	32.56	10.85
06 41 93 00-0005 EA 3" To 4-1/2", Flat Cabinet Pull Handle	34.24	10.85
06 41 93 00-0006 EA 5" To 6-1/2", Flat Cabinet Pull Handle	35.11	10.85
06 41 93 00-0007 EA 7" To 8-1/2", Flat Cabinet Pull Handle	44.42	10.85
06 41 93 00-0008 EA 12" To 12-1/2", Flat Cabinet Pull Handle	82.97	10.85
06 41 93 00-0009 EA 1-7/16" Diameter, Mushroom Cabinet Pull Knobs	23.42	8.30
06 41 93 00-0010 EA 3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	23.27	8.30
06 41 93 00-0011 EA 1-1/4" Long, Finger Cabinet Pull	31.64	9.57
06 41 93 00-0012 EA 3" Long, Finger Cabinet Pull	35.70	9.57
06 41 93 00-0013 EA 4" Long, Finger Cabinet Pull	38.47	9.57
06 41 93 00-0014 EA 6" Long, Finger Cabinet Pull	42.26	9.57
06 41 93 00-0015 EA 12" Long, Finger Cabinet Pull	59.85	9.57
06 41 93 00-0016 EA Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	45.26	12.77
06 41 93 00-0017 EA Cabinet Surface Mounted Square or Matchbook Latch	66.23	12.77
06 41 93 00-0018 EA Cabinet Door or Drawer Mortised Lock With 2 Keys.....	175.00	19.14
06 41 93 00-0019 EA Cabinet Door or Drawer Bored Lock with 2 Keys	60.08	10.85
06 41 93 00-0020 EA Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	40.76	10.85

06 42 Wood Paneling (06 40)

Note: Includes glue for installation.

06 42 13 Wood Board Paneling (06 42)

06 42 13 00-0001 Solid Wood Paneling (06 42 13)

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)

06 42 13 00-0003 SF Homestead Cedar Paneling Tongue And Groove, 7/16"	10.72	2.68
06 42 13 00-0004 SF Homestead Juniper Paneling Tongue And Groove, 7/16"	11.24	2.68

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)

06 42 13 00-0006 SF 8" Random Plank Tongue And Groove, 7/16"	13.72	2.55
06 42 13 00-0007 SF 8" Solid Plank Tongue And Groove, 7/16"	12.76	2.55

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)

06 42 13 00-0009 SF Alder Wood Tongue And Groove Paneling, 1/2"	12.28	2.68
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06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)

06 42 13 00-0011 SF 1" Teredo (Driftwood) Wood Shiplap	8.09	2.30
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06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
06 42 16 Flush Wood Paneling (06 42)**06 42 16 00-0001 Veneer Hardboard Panels** (06 42 16)

06 42 16 00-0002	SF	1/4" Maple Veneer Paneling	7.07	2.31
		<i>For Waterproof Glue, Add</i>	0.13	
		<i>For Ceiling Installation, Add</i>	1.58	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick (06 42 16)**06 42 16 00-0004 Birch** (06 42 16 00-0003)

06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	5.97	2.06
		<i>For Waterproof Glue, Add</i>	0.09	
		<i>For Ceiling Installation, Add</i>	1.39	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.51	
		<i>For Glue Laminated Installation, Add</i>	0.30	
		<i>For Lumber Core, Add</i>	0.15	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.55	
		<i>For 1/2" Thick Paneling, Add</i>	1.28	
		<i>For 5/8" Thick Paneling, Add</i>	1.57	
		<i>For 3/4" Thick Paneling, Add</i>	1.93	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.07	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.07	2.06
		<i>For Waterproof Glue, Add</i>	0.10	
		<i>For Ceiling Installation, Add</i>	1.39	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.51	
		<i>For Glue Laminated Installation, Add</i>	0.30	
		<i>For Lumber Core, Add</i>	0.16	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.57	
		<i>For 1/2" Thick Paneling, Add</i>	1.34	
		<i>For 5/8" Thick Paneling, Add</i>	1.64	
		<i>For 3/4" Thick Paneling, Add</i>	2.03	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.15	

06 42 16 00-0007 Knotty Pine (06 42 16 00-0003)

06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	6.92	2.31
		<i>For Waterproof Glue, Add</i>	0.12	
		<i>For Ceiling Installation, Add</i>	1.54	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.57	
		<i>For Glue Laminated Installation, Add</i>	0.35	
		<i>For Lumber Core, Add</i>	0.20	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.66	
		<i>For 1/2" Thick Paneling, Add</i>	1.58	
		<i>For 5/8" Thick Paneling, Add</i>	1.95	
		<i>For 3/4" Thick Paneling, Add</i>	2.43	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.41	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	6.84	2.31
		<i>For Waterproof Glue, Add</i>	0.12	
		<i>For Ceiling Installation, Add</i>	1.54	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.57	
		<i>For Glue Laminated Installation, Add</i>	0.34	
		<i>For Lumber Core, Add</i>	0.19	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.64	
		<i>For 1/2" Thick Paneling, Add</i>	1.53	
		<i>For 5/8" Thick Paneling, Add</i>	1.89	
		<i>For 3/4" Thick Paneling, Add</i>	2.35	
		<i>For Fire Retardant Treatment (Class I), Add</i>	1.34	

06 42 16 00-0010 Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)

06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	6.92	2.56
		<i>For Waterproof Glue, Add</i>	0.08	
		<i>For Ceiling Installation, Add</i>	1.73	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.64	
		<i>For Glue Laminated Installation, Add</i>	0.35	
		<i>For Lumber Core, Add</i>	0.13	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.59	
		<i>For 1/2" Thick Paneling, Add</i>	1.31	
		<i>For 5/8" Thick Paneling, Add</i>	1.55	
		<i>For 3/4" Thick Paneling, Add</i>	1.86	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.90	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	6.92	2.56
		<i>For Waterproof Glue, Add</i>	0.08	
		<i>For Ceiling Installation, Add</i>	1.73	
		<i>For Installation On Metal Studs Or Furring, Add</i>	0.64	
		<i>For Glue Laminated Installation, Add</i>	0.35	
		<i>For Lumber Core, Add</i>	0.13	
		<i>For 1/8" Thick Paneling, Deduct</i>	-0.59	
		<i>For 1/2" Thick Paneling, Add</i>	1.31	
		<i>For 5/8" Thick Paneling, Add</i>	1.55	
		<i>For 3/4" Thick Paneling, Add</i>	1.86	
		<i>For Fire Retardant Treatment (Class I), Add</i>	0.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick <small>(06 42 16)</small>		
06 42 16 00-0014 SF 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	6.65	2.31
For Flitch Matched Veneer, Add	0.76	
For Second Grade Veneer, Deduct	-0.15	
For Third Grade Veneer, Deduct	-0.23	
For Waterproof Glue, Add	0.11	
For Ceiling Installation, Add	1.54	
For Installation On Metal Studs Or Furring, Add	0.57	
For Glue Laminated Installation, Add	0.33	
For Lumber Core, Add	0.17	
For 1/8" Thick Paneling, Deduct	-0.61	
For 1/2" Thick Paneling, Add	1.43	
For 5/8" Thick Paneling, Add	1.75	
For 3/4" Thick Paneling, Add	2.16	
For Fire Retardant Treatment (Class I), Add	1.19	
06 42 16 00-0015 SF 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	7.32	2.31
For Flitch Matched Veneer, Add	1.09	
For Second Grade Veneer, Deduct	-0.22	
For Third Grade Veneer, Deduct	-0.33	
For Waterproof Glue, Add	0.15	
For Ceiling Installation, Add	1.54	
For Installation On Metal Studs Or Furring, Add	0.57	
For Glue Laminated Installation, Add	0.37	
For Lumber Core, Add	0.24	
For 1/8" Thick Paneling, Deduct	-0.72	
For 1/2" Thick Paneling, Add	1.79	
For 5/8" Thick Paneling, Add	2.25	
For 3/4" Thick Paneling, Add	2.84	
For Fire Retardant Treatment (Class I), Add	1.72	
06 42 16 00-0016 SF 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	10.84	2.31
For Flitch Matched Veneer, Add	2.35	
For Second Grade Veneer, Deduct	-0.47	
For Third Grade Veneer, Deduct	-0.70	
For Waterproof Glue, Add	0.33	
For Ceiling Installation, Add	1.65	
For Installation On Metal Studs Or Furring, Add	0.68	
For Glue Laminated Installation, Add	0.54	
For Lumber Core, Add	0.52	
For 1/8" Thick Paneling, Deduct	-1.21	
For 1/2" Thick Paneling, Add	3.27	
For 5/8" Thick Paneling, Add	4.26	
For 3/4" Thick Paneling, Add	5.52	
For Fire Retardant Treatment (Class I), Add	3.71	
06 42 16 00-0017 SF 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.62	2.31
For Flitch Matched Veneer, Add	0.50	
For Second Grade Veneer, Deduct	-0.10	
For Third Grade Veneer, Deduct	-0.15	
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	1.39	
For Installation On Metal Studs Or Furring, Add	0.51	
For Glue Laminated Installation, Add	0.28	
For Lumber Core, Add	0.11	
For 1/8" Thick Paneling, Deduct	-0.49	
For 1/2" Thick Paneling, Add	1.09	
For 5/8" Thick Paneling, Add	1.30	
For 3/4" Thick Paneling, Add	1.57	
For Fire Retardant Treatment (Class I), Add	0.79	
06 42 16 00-0018 SF 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	9.55	2.31
For Flitch Matched Veneer, Add	1.89	
For Second Grade Veneer, Deduct	-0.38	
For Third Grade Veneer, Deduct	-0.57	
For Waterproof Glue, Add	0.26	
For Ceiling Installation, Add	1.73	
For Installation On Metal Studs Or Furring, Add	0.64	
For Glue Laminated Installation, Add	0.48	
For Lumber Core, Add	0.41	
For 1/8" Thick Paneling, Deduct	-1.03	
For 1/2" Thick Paneling, Add	2.73	
For 5/8" Thick Paneling, Add	3.52	
For 3/4" Thick Paneling, Add	4.54	
For Fire Retardant Treatment (Class I), Add	2.98	
06 42 16 00-0019 SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	6.81	2.31
For Flitch Matched Veneer, Add	0.84	
For Second Grade Veneer, Deduct	-0.17	
For Third Grade Veneer, Deduct	-0.25	
For Waterproof Glue, Add	0.12	
For Ceiling Installation, Add	1.54	
For Installation On Metal Studs Or Furring, Add	0.57	
For Glue Laminated Installation, Add	0.34	
For Lumber Core, Add	0.18	
For 1/8" Thick Paneling, Deduct	-0.64	
For 1/2" Thick Paneling, Add	1.52	
For 5/8" Thick Paneling, Add	1.87	
For 3/4" Thick Paneling, Add	2.32	
For Fire Retardant Treatment (Class I), Add	1.32	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 42 16 00-0020	SF 1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	7.99	2.31
	For Flitch Matched Veneer, Add	1.11	
	For Second Grade Veneer, Deduct	-0.22	
	For Third Grade Veneer, Deduct	-0.33	
	For Waterproof Glue, Add	0.15	
	For Ceiling Installation, Add	1.73	
	For Installation On Metal Studs Or Furring, Add	0.64	
	For Glue Laminated Installation, Add	0.40	
	For Lumber Core, Add	0.24	
	For 1/8" Thick Paneling, Deduct	-0.77	
	For 1/2" Thick Paneling, Add	1.89	
	For 5/8" Thick Paneling, Add	2.35	
	For 3/4" Thick Paneling, Add	2.95	
	For Fire Retardant Treatment (Class I), Add	1.75	
06 42 16 00-0021	SF 1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	12.56	2.31
	For Flitch Matched Veneer, Add	2.67	
	For Second Grade Veneer, Deduct	-0.53	
	For Third Grade Veneer, Deduct	-0.80	
	For Waterproof Glue, Add	0.37	
	For Ceiling Installation, Add	2.17	
	For Installation On Metal Studs Or Furring, Add	0.79	
	For Glue Laminated Installation, Add	0.63	
	For Lumber Core, Add	0.59	
	For 1/8" Thick Paneling, Deduct	-1.40	
	For 1/2" Thick Paneling, Add	3.75	
	For 5/8" Thick Paneling, Add	4.87	
	For 3/4" Thick Paneling, Add	6.31	
	For Fire Retardant Treatment (Class I), Add	4.22	
06 42 16 00-0022	SF 1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.54	2.31
	For Flitch Matched Veneer, Add	1.88	
	For Second Grade Veneer, Deduct	-0.38	
	For Third Grade Veneer, Deduct	-0.56	
	For Waterproof Glue, Add	0.26	
	For Ceiling Installation, Add	1.73	
	For Installation On Metal Studs Or Furring, Add	0.64	
	For Glue Laminated Installation, Add	0.48	
	For Lumber Core, Add	0.41	
	For 1/8" Thick Paneling, Deduct	-1.03	
	For 1/2" Thick Paneling, Add	2.72	
	For 5/8" Thick Paneling, Add	3.51	
	For 3/4" Thick Paneling, Add	4.53	
	For Fire Retardant Treatment (Class I), Add	2.97	
06 42 16 00-0023	SF 1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	8.35	2.31
	For Flitch Matched Veneer, Add	1.61	
	For Second Grade Veneer, Deduct	-0.32	
	For Third Grade Veneer, Deduct	-0.48	
	For Waterproof Glue, Add	0.22	
	For Ceiling Installation, Add	1.54	
	For Installation On Metal Studs Or Furring, Add	0.57	
	For Glue Laminated Installation, Add	0.42	
	For Lumber Core, Add	0.35	
	For 1/8" Thick Paneling, Deduct	-0.90	
	For 1/2" Thick Paneling, Add	2.35	
	For 5/8" Thick Paneling, Add	3.02	
	For 3/4" Thick Paneling, Add	3.89	
	For Fire Retardant Treatment (Class I), Add	2.54	
06 42 16 00-0024	SF 1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim.....	6.84	2.31
	For Flitch Matched Veneer, Add	0.85	
	For Second Grade Veneer, Deduct	-0.17	
	For Third Grade Veneer, Deduct	-0.26	
	For Waterproof Glue, Add	0.12	
	For Ceiling Installation, Add	1.54	
	For Installation On Metal Studs Or Furring, Add	0.57	
	For Glue Laminated Installation, Add	0.34	
	For Lumber Core, Add	0.19	
	For 1/8" Thick Paneling, Deduct	-0.64	
	For 1/2" Thick Paneling, Add	1.53	
	For 5/8" Thick Paneling, Add	1.89	
	For 3/4" Thick Paneling, Add	2.35	
	For Fire Retardant Treatment (Class I), Add	1.34	
06 42 16 00-0025	Accessories <small>(06 42 16)</small>		
06 42 16 00-0026	EA Aluminum Panel Retainer "J" With Bolt.....	42.97	
06 42 19	Plastic-Laminate-Faced Wood Paneling <small>(06 42)</small>		
06 42 19 00-0001	Plastic Laminate <small>(06 42 19)</small>		
	Note: Standard colors and patterns.		
06 42 19 00-0002	SF 1/16" Plastic Laminate Faced Panel	11.75	4.47
	Note: Includes cutting to fit.		
06 43	Wood Stairs and Railings <small>(06 40)</small>		



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 43 13 Wood Stairs (06 43)

06 43 13 00-0001 Stair Parts (06 43 13)

06 43 13 00-0002	EA 30" Baluster, Pine	62.38	25.89
06 43 13 00-0003	EA 30" Baluster, Birch	73.27	25.89
06 43 13 00-0004	EA 42" Baluster, Pine	70.20	26.79
06 43 13 00-0005	EA 42" Baluster, Birch	81.80	26.79
06 43 13 00-0006	EA 3-1/4" Wide Newels, Starting	363.15	101.77
06 43 13 00-0007	EA 3-1/4" Wide Newels, Landing	530.68	142.84
06 43 13 00-0008	LF Oak Gooseneck, 1 Riser	221.45	89.28
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.31	
06 43 13 00-0009	LF Oak Gooseneck, 2 Riser	258.61	98.07
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.22	
06 43 13 00-0010	LF Oak Handrail, 2-1/2" x 3" With Quarter Turn	44.43	13.39
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.40	
06 43 13 00-0011	LF 1-1/16" x 9-1/2" Oak Stair Tread	57.07	7.52
	<i>For Beech, Add</i>	12.63	
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.44	
06 43 13 00-0012	LF 1-1/16" x 11-1/2" Oak Stair Tread	69.05	7.52
	<i>For Beech, Add</i>	16.22	
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.44	
06 43 13 00-0013	LF 1-1/16" x 11-1/2" Pine Stair Tread	31.95	7.52
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.44	
06 43 13 00-0014	LF 3/4" x 7-1/2" High Beech Riser	43.19	7.78
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.59	
06 43 13 00-0015	LF 3/4" x 7-1/2" High Oak Riser	40.65	7.78
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.59	
06 43 13 00-0016	LF 3/4" x 7-1/2" High Fir Riser	24.32	7.78
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.59	
06 43 13 00-0017	LF 3/4" x 7-1/2" High Pine Riser	23.52	7.78
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.59	
06 43 13 00-0018	SF Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	50.45	

06 43 13 00-0019 Interior Box Stairs (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA 30" Wide Pine Box Stair, Per Riser	317.14	77.67
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.52	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	77.28	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	25.87	
	<i>For Oak Or Maple Treads, Add</i>	92.79	
06 43 13 00-0021	EA 32" Wide Pine Box Stair, Per Riser	335.90	79.45
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.10	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	78.04	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.18	
	<i>For Oak Or Maple Treads, Add</i>	100.10	
06 43 13 00-0022	EA 34" Wide Pine Box Stair, Per Riser	353.45	80.35
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.40	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	78.43	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.35	
	<i>For Oak Or Maple Treads, Add</i>	107.41	
06 43 13 00-0023	EA 36" Wide Pine Box Stair, Per Riser	373.75	81.24
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.69	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	78.81	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.50	
	<i>For Oak Or Maple Treads, Add</i>	115.97	
06 43 13 00-0024	EA 38" Wide Pine Box Stair, Per Riser	385.79	82.14
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.98	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	79.19	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.66	
	<i>For Oak Or Maple Treads, Add</i>	120.82	
06 43 13 00-0025	EA 40" Wide Pine Box Stair, Per Riser	399.11	83.92
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.57	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	79.96	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	26.98	
	<i>For Oak Or Maple Treads, Add</i>	125.66	
06 43 13 00-0026	EA 42" Wide Pine Box Stair, Per Riser	411.15	84.81
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.86	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.34	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.14	
	<i>For Oak Or Maple Treads, Add</i>	130.50	
06 43 13 00-0027	EA 44" Wide Pine Box Stair, Per Riser	423.21	85.71
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.16	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	80.73	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.31	
	<i>For Oak Or Maple Treads, Add</i>	135.35	
06 43 13 00-0028	EA 46" Wide Pine Box Stair, Per Riser	435.22	86.60
	<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.45	
	<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	81.10	
	<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.46	
	<i>For Oak Or Maple Treads, Add</i>	140.19	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs and Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029	EA		48" Wide Pine Box Stair, Per Riser	449.72	89.28
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.33	
			<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	82.26	
			<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	27.94	
			<i>For Oak Or Maple Treads, Add</i>	144.98	
06 43 16 Wood Railings (06 43)					
06 43 16 00-0001			Handrails (06 43 16)		
06 43 16 00-0002			Wood Handrail With Brackets (06 43 16 00-0001)		
			Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003	LF		1-1/2" x 1-11/16", Wood Handrail With Brackets	20.35	6.37
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.93	
06 43 16 00-0004	LF		1-7/8" x 2-5/8", Wood Handrail With Brackets	21.88	6.37
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.93	
06 43 16 00-0005	LF		1-1/2" Diameter, Wood Handrail With Brackets	26.99	6.37
06 43 16 00-0006	LF		1-3/4" Diameter, Wood Handrail With Brackets	28.27	6.37
06 43 16 00-0007	LF		2" Diameter, Wood Handrail With Brackets	32.86	6.37
06 43 16 00-0008	LF		2-1/2" Diameter, Wood Handrail With Brackets	47.04	6.37
06 44 Ornamental Woodwork (06 44)					
06 44 39 Wood Posts and Columns (06 44)					
06 44 39 00-0001			Columns (06 44 39)		
06 44 39 00-0002			Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
			Note: Paint grade/finger jointed pine.		
06 44 39 00-0003	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	76.27	6.87
06 44 39 00-0004	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	95.20	10.05
06 44 39 00-0005	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	116.97	11.63
06 44 39 00-0006	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	140.35	12.16
06 44 39 00-0007	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	315.86	13.75
06 44 39 00-0008	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	367.16	14.80
06 44 39 00-0009	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	442.35	15.86
06 44 39 00-0010	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	528.52	16.92
06 44 39 00-0011	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	88.02	6.87
06 44 39 00-0012	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	104.62	10.05
06 44 39 00-0013	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	129.97	11.63
06 44 39 00-0014	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	154.25	12.16
06 44 39 00-0015	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	344.10	13.75
06 44 39 00-0016	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	468.47	14.80
06 44 39 00-0017	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	505.11	15.86
06 44 39 00-0018	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	568.86	16.92
06 44 39 00-0019			Pine Colonial Columns, Round Non-Tapered With Cap And Base (06 44 39 00-0001)		
			Note: Paint grade/finger jointed pine.		
06 44 39 00-0020	LF		6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	92.05	6.87
06 44 39 00-0021	LF		8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	113.14	10.05
06 44 39 00-0022	LF		10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	140.28	11.63
06 44 39 00-0023	LF		12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	169.49	12.16
06 44 39 00-0024	LF		14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	388.97	13.75
06 44 39 00-0025	LF		16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	452.78	14.80
06 44 39 00-0026	LF		18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	546.49	15.86
06 44 39 00-0027	LF		20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	653.95	16.92
06 44 39 00-0028	LF		6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	106.76	6.87
06 44 39 00-0029	LF		8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	126.00	10.05
06 44 39 00-0030	LF		10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	157.14	11.63
06 44 39 00-0031	LF		12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	187.34	12.16
06 44 39 00-0032	LF		14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	424.34	13.75
06 44 39 00-0033	LF		16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	579.78	14.80
06 44 39 00-0034	LF		18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	625.16	15.86
06 44 39 00-0035	LF		20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	704.56	16.92
06 44 39 00-0036			Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
			Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF		6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	81.85	6.87
06 44 39 00-0038	LF		8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	101.92	10.05
06 44 39 00-0039	LF		10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	125.42	11.63
06 44 39 00-0040	LF		12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	150.81	12.16
06 44 39 00-0041	LF		6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	94.65	6.87
06 44 39 00-0042	LF		8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	112.18	10.05
06 44 39 00-0043	LF		10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	139.58	11.63
06 44 39 00-0044	LF		12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	165.95	12.16
06 44 39 00-0045			Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
			Note: Paint grade/finger jointed redwood.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046 LF 6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	128.81	6.87
06 44 39 00-0047 LF 8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	154.38	10.05
06 44 39 00-0048 LF 10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	192.73	11.63
06 44 39 00-0049 LF 12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	236.29	12.16
06 44 39 00-0050 LF 6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	148.54	6.87
06 44 39 00-0051 LF 8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	175.45	10.05
06 44 39 00-0052 LF 10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	217.39	11.63
06 44 39 00-0053 LF 12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	268.57	12.16

06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)
 Note: For tapered wood columns.

06 44 39 00-0055 EA 6" Resin Corinthian Capital And Base	405.11	14.28
06 44 39 00-0056 EA 8" Resin Corinthian Capital And Base	614.49	15.86
06 44 39 00-0057 EA 10" Resin Corinthian Capital And Base	857.38	18.50
06 44 39 00-0058 EA 12" Resin Corinthian Capital And Base	1,095.78	21.15
06 44 39 00-0059 EA 6" Resin Greek Erectheum Cap And Base	360.28	14.28
06 44 39 00-0060 EA 8" Resin Greek Erectheum Cap And Base	502.42	15.86
06 44 39 00-0061 EA 10" Resin Greek Erectheum Cap And Base	624.27	18.50
06 44 39 00-0062 EA 12" Resin Greek Erectheum Cap And Base	817.84	21.15
06 44 39 00-0063 EA 6" Resin Roman Ionic Capital And Base.....	379.26	14.80
06 44 39 00-0064 EA 8" Resin Roman Ionic Capital And Base.....	502.42	15.86
06 44 39 00-0065 EA 10" Resin Roman Ionic Capital And Base.....	624.27	18.50
06 44 39 00-0066 EA 12" Resin Roman Ionic Capital And Base.....	795.42	21.15
06 44 39 00-0067 EA 6" Resin Scamozzi Capital And Base	383.75	14.80
06 44 39 00-0068 EA 8" Resin Scamozzi Capital And Base	547.25	15.86
06 44 39 00-0069 EA 10" Resin Scamozzi Capital And Base	646.68	18.50
06 44 39 00-0070 EA 12" Resin Scamozzi Capital And Base.....	889.56	21.15
06 44 39 00-0071 EA 6" Resin Temple Of Winds Cap And Base.....	383.75	14.80
06 44 39 00-0072 EA 8" Resin Temple Of Winds Cap And Base	596.56	15.86
06 44 39 00-0073 EA 10" Resin Temple Of Winds Cap And Base.....	790.13	18.50
06 44 39 00-0074 EA 12" Resin Temple Of Winds Cap And Base.....	979.22	21.15

06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)
 Note: For tapered wood columns.

06 44 39 00-0076 EA 6" Plaster Corinthian Capital And Base	822.02	14.28
06 44 39 00-0077 EA 8" Plaster Corinthian Capital And Base	923.81	15.86
06 44 39 00-0078 EA 10" Plaster Corinthian Capital And Base	1,175.66	18.50
06 44 39 00-0079 EA 12" Plaster Corinthian Capital And Base	1,293.02	21.15
06 44 39 00-0080 EA 6" Plaster Greek Erectheum Cap And Base	544.08	14.28
06 44 39 00-0081 EA 8" Plaster Greek Erectheum Cap And Base	632.43	15.86
06 44 39 00-0082 EA 10" Plaster Greek Erectheum Cap And Base	781.17	18.50
06 44 39 00-0083 EA 12" Plaster Greek Erectheum Cap And Base	983.70	21.15
06 44 39 00-0084 EA 6" Plaster Roman Ionic Capital And Base.....	522.72	14.80
06 44 39 00-0085 EA 8" Plaster Roman Ionic Capital And Base.....	686.22	15.86
06 44 39 00-0086 EA 10" Plaster Roman Ionic Capital And Base.....	830.48	18.50
06 44 39 00-0087 EA 12" Plaster Roman Ionic Capital And Base.....	983.70	21.15
06 44 39 00-0088 EA 6" Plaster Scamozzi Capital And Base	621.34	14.80
06 44 39 00-0089 EA 8" Plaster Scamozzi Capital And Base	825.19	15.86
06 44 39 00-0090 EA 10" Plaster Scamozzi Capital And Base	929.10	18.50
06 44 39 00-0091 EA 12" Plaster Scamozzi Capital And Base	1,180.95	21.15
06 44 39 00-0092 EA 6" Plaster Temple Of Winds Cap And Base.....	522.72	14.80
06 44 39 00-0093 EA 8" Plaster Temple Of Winds Cap And Base.....	677.25	15.86
06 44 39 00-0094 EA 10" Plaster Temple Of Winds Cap And Base.....	884.27	18.50
06 44 39 00-0095 EA 12" Plaster Temple Of Winds Cap And Base.....	1,131.64	21.15
06 44 39 00-0096 EA 6" Plaster Empire Capital And Base	589.96	14.80
06 44 39 00-0097 EA 8" Plaster Empire Capital And Base	722.08	15.86
06 44 39 00-0098 EA 10" Plaster Empire Capital And Base	879.79	18.50
06 44 39 00-0099 EA 12" Plaster Empire Capital And Base	983.70	21.15

06 46 Wood Trim (06 40)

06 46 13 Wood Door and Window Casings (06 46)

06 46 13 00-0001 Door and Window Casings (06 46 13)

06 46 13 00-0002 LF 1-1/8" Wide Plain Pine Door And Window Molding.....	5.92	2.04
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	
06 46 13 00-0003 LF 1-1/8" Wide Detailed Pine Door And Window Molding.....	5.97	2.04
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	
06 46 13 00-0004 LF 2-1/2" Wide Pine Complete Door And Window Trim.....	7.43	2.04
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.05	

06 46 19 Wood Base and Shoe Moldings (06 46)

06 46 19 00-0001 Base And Shoe Molding (06 46 19)

06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim	6.15	2.42
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim	6.57	2.42
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	7.77	1.53
			<i>For Clear Birch, Add</i>	0.85	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.71	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.48	
			<i>For Clear Poplar, Add</i>	0.53	
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	9.44	1.92
			<i>For Clear Birch, Add</i>	0.98	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.02	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.55	
			<i>For Clear Poplar, Add</i>	0.61	
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	11.77	2.17
			<i>For Clear Birch, Add</i>	1.52	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.84	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.86	
			<i>For Clear Poplar, Add</i>	0.95	
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe	7.65	2.42
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe, Stain Grade.....	7.41	2.42
06 46 19 00-0009	LF		3/4" x 1" White Pine Base Shoe, Paint Grade.....	6.87	2.42
06 46 23 Wood Chair Rails (06 46)					
06 46 23 00-0001 Chair Rails (06 46 23)					
06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail.....	9.48	2.30
			<i>For Birch, Add</i>	1.40	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.48	
			<i>For Poplar, Add</i>	0.88	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail.....	11.69	2.30
			<i>For Birch, Add</i>	2.11	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.48	
			<i>For Poplar, Add</i>	1.32	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	7.02	2.30
			<i>For Birch, Add</i>	1.02	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.82	
			<i>For Poplar, Add</i>	0.64	
06 46 26 Wood Cornices (06 46)					
06 46 26 00-0001 Wood Cornices (06 46 26)					
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	7.09	2.30
			<i>For Birch, Add</i>	0.72	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.41	
			<i>For Poplar, Add</i>	0.90	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	8.92	2.42
			<i>For Birch, Add</i>	1.30	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.15	
			<i>For Poplar, Add</i>	1.62	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	12.42	2.55
			<i>For Birch, Add</i>	2.47	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.65	
			<i>For Poplar, Add</i>	3.09	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	14.33	2.55
			<i>For Birch, Add</i>	3.07	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.42	
			<i>For Poplar, Add</i>	3.84	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	16.54	2.68
			<i>For Birch, Add</i>	3.77	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	5.32	
			<i>For Poplar, Add</i>	4.71	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	21.27	2.93
			<i>For Birch, Add</i>	5.36	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	7.34	
			<i>For Poplar, Add</i>	6.71	
06 46 29 Wood Fasciae and Soffits (06 46)					
06 46 29 00-0001 Fascia Board (06 46 29)					
06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)					
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board	5.74	2.55
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board	6.52	2.83
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board	6.99	2.98
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board.....	8.14	3.33
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board	5.69	2.55
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board	6.45	2.83
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board	7.09	2.98
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board	8.43	3.33
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia	7.66	2.55
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia	9.04	2.83
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia	10.23	2.98
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia	13.13	3.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0015 Cedar Fascia Board (06 46 29 00-0001)		
06 46 29 00-0016 LF 1" x 6" Cedar Fascia Board.....	6.04	2.55
06 46 29 00-0017 LF 1" x 8" Cedar Fascia Board.....	6.99	2.83
06 46 29 00-0018 LF 1" x 10" Cedar Fascia Board.....	7.91	2.98
06 46 29 00-0019 LF 1" x 12" Cedar Fascia Board.....	9.42	3.33
06 46 29 00-0020 Engineered Wood Fascia Board (06 46 29 00-0001)		
06 46 29 00-0021 LF 1" x 6" Engineered Wood Fascia Board.....	5.56	2.55
06 46 29 00-0022 LF 1" x 8" Engineered Wood Fascia Board.....	6.28	2.83
06 46 29 00-0023 LF 1" x 12" Engineered Wood Fascia Board.....	7.58	3.33
06 46 29 00-0024 Soffit (06 46 29)		
06 46 29 00-0025 Sanded Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0026 SF 3/8" Thick, Sanded Plywood Soffit.....	4.97	1.92
06 46 29 00-0027 SF 1/2" Thick, Sanded Plywood Soffit.....	5.42	2.02
06 46 29 00-0028 SF 5/8" Thick, Sanded Plywood Soffit.....	5.69	2.12
06 46 29 00-0029 SF 3/4" Thick, Sanded Plywood Soffit.....	6.27	2.24
06 46 29 00-0030 MDO Plywood Soffit (06 46 29 00-0024)		
06 46 29 00-0031 SF 3/8" Thick, MDO Plywood Soffit.....	5.48	1.92
06 46 29 00-0032 SF 1/2" Thick, MDO Plywood Soffit.....	6.07	2.02
06 46 29 00-0033 SF 3/4" Thick, MDO Plywood Soffit.....	7.53	2.24
06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0024)		
06 46 29 00-0035 SF 1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	3.92	1.68
06 46 29 00-0036 SF 5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	4.20	1.77
06 46 36 Custom Wood Molding (06 46)		
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.		
06 46 36 00-0001 Ash (06 46 36)		
06 46 36 00-0002 LF 3/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.97 1.03	1.40
06 46 36 00-0003 LF 3/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.35 1.06	1.40
06 46 36 00-0004 LF 3/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.75 1.10	1.40
06 46 36 00-0005 LF 3/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.13 1.13	1.53
06 46 36 00-0006 LF 3/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.66 1.20	1.53
06 46 36 00-0007 LF 3/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.19 1.27	1.65
06 46 36 00-0008 LF 3/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.56 1.29	1.65
06 46 36 00-0009 LF 3/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.97 1.33	1.65
06 46 36 00-0010 LF 3/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.28 1.35	1.79
06 46 36 00-0011 LF 3/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.84 1.42	1.79
06 46 36 00-0012 LF 3/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.28 1.47	1.92
06 46 36 00-0013 LF 1" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.65 1.06	1.40
06 46 36 00-0014 LF 1" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.78 1.09	1.40
06 46 36 00-0015 LF 1" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.91 1.13	1.53
06 46 36 00-0016 LF 1" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.05 1.16	1.53
06 46 36 00-0017 LF 1" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.38 1.23	1.65
06 46 36 00-0018 LF 1" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.66 1.29	1.65
06 46 36 00-0019 LF 1" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.77 1.32	1.65
06 46 36 00-0020 LF 1" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.92 1.36	1.79
06 46 36 00-0021 LF 1" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.05 1.38	1.79
06 46 36 00-0022 LF 1" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.34 1.45	1.92
06 46 36 00-0023 LF 1" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.54 1.50	1.92

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0024	LF		1-1/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.75 1.09	1.40
06 46 36 00-0025	LF		1-1/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.90 1.12	1.40
06 46 36 00-0026	LF		1-1/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.04 1.16	1.53
06 46 36 00-0027	LF		1-1/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.18 1.19	1.53
06 46 36 00-0028	LF		1-1/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.49 1.26	1.65
06 46 36 00-0029	LF		1-1/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.77 1.32	1.65
06 46 36 00-0030	LF		1-1/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.90 1.35	1.79
06 46 36 00-0031	LF		1-1/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.07 1.39	1.79
06 46 36 00-0032	LF		1-1/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.16 1.41	1.79
06 46 36 00-0033	LF		1-1/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.46 1.48	1.92
06 46 36 00-0034	LF		1-1/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.67 1.53	2.04
06 46 36 00-0035	LF		1-1/2" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.76 1.12	1.40
06 46 36 00-0036	LF		1-1/2" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.34 1.15	1.53
06 46 36 00-0037	LF		1-1/2" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.92 1.18	1.53
06 46 36 00-0038	LF		1-1/2" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.52 1.22	1.65
06 46 36 00-0039	LF		1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.13 1.26	1.65
06 46 36 00-0040	LF		1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.98 1.35	1.79
06 46 36 00-0041	LF		1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.66 1.38	1.79
06 46 36 00-0042	LF		1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.17 1.42	1.79
06 46 36 00-0043	LF		1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.69 1.44	1.92
06 46 36 00-0044	LF		1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	66.98 1.51	1.92
06 46 36 00-0045	LF		1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	72.09 1.56	2.04
06 46 36 00-0046			Basswood <small>(06 46 36)</small>		
06 46 36 00-0047	LF		3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.48 1.03	1.40
06 46 36 00-0048	LF		3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.11 1.06	1.40
06 46 36 00-0049	LF		3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.76 1.10	1.40
06 46 36 00-0050	LF		3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.39 1.13	1.53
06 46 36 00-0051	LF		3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.18 1.20	1.53
06 46 36 00-0052	LF		3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.96 1.27	1.65
06 46 36 00-0053	LF		3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.58 1.29	1.65
06 46 36 00-0054	LF		3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.25 1.33	1.79
06 46 36 00-0055	LF		3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.81 1.35	1.79
06 46 36 00-0056	LF		3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.62 1.42	1.92
06 46 36 00-0057	LF		3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.31 1.47	1.92
06 46 36 00-0058	LF		1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.52 1.06	1.40
06 46 36 00-0059	LF		1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.58 1.09	1.40
06 46 36 00-0060	LF		1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.64 1.13	1.53
06 46 36 00-0061	LF		1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.71 1.16	1.53
06 46 36 00-0062	LF		1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.97 1.23	1.65
06 46 36 00-0063	LF		1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.19 1.29	1.65
06 46 36 00-0064	LF		1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.23 1.32	1.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0065 LF 1" x 8-1/2" Custom Shaped Basswood	23.32	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.36	
06 46 36 00-0066 LF 1" x 9-1/2" Custom Shaped Basswood	25.37	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.38	
06 46 36 00-0067 LF 1" x 10-1/2" Custom Shaped Basswood	27.60	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.45	
06 46 36 00-0068 LF 1" x 11-1/2" Custom Shaped Basswood	29.73	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.50	
06 46 36 00-0069 LF 1-1/2" x 1-1/2" Custom Shaped Basswood	11.57	1.40
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.09	
06 46 36 00-0070 LF 1-1/2" x 2-1/2" Custom Shaped Basswood	15.14	1.40
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.12	
06 46 36 00-0071 LF 1-1/2" x 3-1/2" Custom Shaped Basswood	18.69	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.16	
06 46 36 00-0072 LF 1-1/2" x 4-1/2" Custom Shaped Basswood	22.25	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.19	
06 46 36 00-0073 LF 1-1/2" x 5-1/2" Custom Shaped Basswood	25.96	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.26	
06 46 36 00-0074 LF 1-1/2" x 6-1/2" Custom Shaped Basswood	29.66	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32	
06 46 36 00-0075 LF 1-1/2" x 7-1/2" Custom Shaped Basswood	33.20	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.35	
06 46 36 00-0076 LF 1-1/2" x 8-1/2" Custom Shaped Basswood	36.79	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.39	
06 46 36 00-0077 LF 1-1/2" x 9-1/2" Custom Shaped Basswood	40.29	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.41	
06 46 36 00-0078 LF 1-1/2" x 10-1/2" Custom Shaped Basswood	44.00	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.48	
06 46 36 00-0079 LF 1-1/2" x 11-1/2" Custom Shaped Basswood	47.63	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.53	
06 46 36 00-0080 LF 3-1/2" x 3-1/2" Custom Shaped Basswood	44.77	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.26	
06 46 36 00-0081 LF 3-1/2" x 4-1/2" Custom Shaped Basswood	54.84	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32	
06 46 36 00-0082 LF 3-1/2" x 5-1/2" Custom Shaped Basswood	64.79	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.35	
06 46 36 00-0083 LF 3-1/2" x 6-1/2" Custom Shaped Basswood	74.99	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.44	
06 46 36 00-0084 LF 3-1/2" x 7-1/2" Custom Shaped Basswood	84.93	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
06 46 36 00-0085 LF 3-1/2" x 8-1/2" Custom Shaped Basswood	95.11	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.52	
06 46 36 00-0086 LF 3-1/2" x 9-1/2" Custom Shaped Basswood	104.96	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.55	
06 46 36 00-0087 LF 3-1/2" x 10-1/2" Custom Shaped Basswood	114.91	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.58	
06 46 36 00-0088 LF 3-1/2" x 11-1/2" Custom Shaped Basswood	125.11	2.17
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.67	
06 46 36 00-0089 Birch <small>(06 46 36)</small>		
06 46 36 00-0090 LF 3/4" x 1-1/2" Custom Shaped Birch	8.01	1.40
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.03	
06 46 36 00-0091 LF 3/4" x 2-1/2" Custom Shaped Birch	9.91	1.40
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.06	
06 46 36 00-0092 LF 3/4" x 3-1/2" Custom Shaped Birch	11.82	1.40
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.10	
06 46 36 00-0093 LF 3/4" x 4-1/2" Custom Shaped Birch	13.73	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.13	
06 46 36 00-0094 LF 3/4" x 5-1/2" Custom Shaped Birch	15.78	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.20	
06 46 36 00-0095 LF 3/4" x 6-1/2" Custom Shaped Birch	17.83	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.27	
06 46 36 00-0096 LF 3/4" x 7-1/2" Custom Shaped Birch	19.72	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.29	
06 46 36 00-0097 LF 3/4" x 8-1/2" Custom Shaped Birch	21.65	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.33	
06 46 36 00-0098 LF 3/4" x 9-1/2" Custom Shaped Birch	23.48	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.35	
06 46 36 00-0099 LF 3/4" x 10-1/2" Custom Shaped Birch	25.55	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.42	
06 46 36 00-0100 LF 3/4" x 11-1/2" Custom Shaped Birch	27.51	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
06 46 36 00-0101 LF 1" x 1-1/2" Custom Shaped Birch	9.32	1.40
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.06	
06 46 36 00-0102 LF 1" x 2-1/2" Custom Shaped Birch	11.75	1.40
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.09	
06 46 36 00-0103 LF 1" x 3-1/2" Custom Shaped Birch	14.24	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.13	
06 46 36 00-0104 LF 1" x 4-1/2" Custom Shaped Birch	16.74	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.16	
06 46 36 00-0105 LF 1" x 5-1/2" Custom Shaped Birch	19.38	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.23	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch.....	21.96		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29		
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch.....	24.43		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32		
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch.....	26.95		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.36		
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch.....	29.38		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38		
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch.....	31.98		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45		
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch.....	34.54		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50		
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	10.82		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09		
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	14.02		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	17.20		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16		
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	20.38		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19		
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	23.72		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26		
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	27.04		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32		
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	30.22		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35		
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	33.43		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39		
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	36.55		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.41		
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	39.89		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48		
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	43.14		2.04
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53		
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	13.20		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	17.50		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15		
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	21.80		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18		
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	26.11		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22		
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	30.45		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26		
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	35.02		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35		
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	39.31		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38		
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	43.64		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42		
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	47.88		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44		
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	52.89		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51		
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	56.72		2.04
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.56		
06 46 36 00-0134		Clear Western Cedar <small>(06 46 36)</small>			
06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	8.01		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03		
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	9.91		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06		
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	11.82		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10		
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	13.73		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13		
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	15.78		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20		
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	17.83		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27		
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	9.42		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06		
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	11.96		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09		
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	14.51		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13		
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	17.06		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16		
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	19.75		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23		
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	22.44		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0147 LF 1-1/4" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.21 1.09	1.40
06 46 36 00-0148 LF 1-1/4" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.10 1.12	1.40
06 46 36 00-0149 LF 1-1/4" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.97 1.16	1.53
06 46 36 00-0150 LF 1-1/4" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.85 1.19	1.53
06 46 36 00-0151 LF 1-1/4" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.88 1.26	1.65
06 46 36 00-0152 LF 1-1/4" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.90 1.32	1.65
06 46 36 00-0153 LF 1-1/2" x 1-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.55 1.12	1.40
06 46 36 00-0154 LF 1-1/2" x 2-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.54 1.15	1.53
06 46 36 00-0155 LF 1-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.52 1.18	1.53
06 46 36 00-0156 LF 1-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.51 1.22	1.65
06 46 36 00-0157 LF 1-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.52 1.26	1.65
06 46 36 00-0158 LF 1-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.78 1.35	1.79
06 46 36 00-0159 LF 3-1/2" x 3-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.65 1.26	1.65
06 46 36 00-0160 LF 3-1/2" x 4-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.43 1.32	1.65
06 46 36 00-0161 LF 3-1/2" x 5-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	57.10 1.35	1.79
06 46 36 00-0162 LF 3-1/2" x 6-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	66.02 1.44	1.92
06 46 36 00-0163 LF 3-1/2" x 7-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	74.68 1.47	1.92
06 46 36 00-0164 LF 3-1/2" x 8-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	83.48 1.52	2.04
06 46 36 00-0165 LF 3-1/2" x 9-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	92.15 1.55	2.04
06 46 36 00-0166 LF 3-1/2" x 10-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	100.82 1.58	2.04
06 46 36 00-0167 LF 3-1/2" x 11-1/2" Custom Shaped Clear West Cedar <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	109.74 1.67	2.17
06 46 36 00-0168 Cherry <small>(06 46 36)</small>		
06 46 36 00-0169 LF 3/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.72 1.03	1.40
06 46 36 00-0170 LF 3/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.47 1.06	1.40
06 46 36 00-0171 LF 3/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.24 1.10	1.40
06 46 36 00-0172 LF 3/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.00 1.13	1.53
06 46 36 00-0173 LF 3/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.90 1.20	1.53
06 46 36 00-0174 LF 3/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.81 1.27	1.65
06 46 36 00-0175 LF 3/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.55 1.29	1.65
06 46 36 00-0176 LF 3/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.34 1.33	1.65
06 46 36 00-0177 LF 3/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.02 1.35	1.79
06 46 36 00-0178 LF 3/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.95 1.42	1.79
06 46 36 00-0179 LF 3/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.76 1.47	1.92
06 46 36 00-0180 LF 1" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.56 1.06	1.40
06 46 36 00-0181 LF 1" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.17 1.09	1.40
06 46 36 00-0182 LF 1" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.78 1.13	1.53
06 46 36 00-0183 LF 1" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.39 1.16	1.53
06 46 36 00-0184 LF 1" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.15 1.23	1.65
06 46 36 00-0185 LF 1" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.91 1.29	1.65
06 46 36 00-0186 LF 1" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.50 1.32	1.65
06 46 36 00-0187 LF 1" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.19 1.36	1.79

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	40.69		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38		
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	44.47		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45		
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	48.15		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50		
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	13.55		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09		
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	18.13		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	22.64		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16		
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	27.21		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19		
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	31.89		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26		
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	36.60		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.32		
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	41.10		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35		
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	45.70		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.39		
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	50.16		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.41		
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	54.89		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48		
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	59.47		2.04
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53		
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	17.25		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	23.58		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15		
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	29.91		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.18		
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	36.25		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.22		
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	42.61		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26		
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	49.21		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35		
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	55.54		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38		
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	61.90		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42		
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	68.16		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44		
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	74.77		1.92
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51		
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	81.06		2.04
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.56		
06 46 36 00-0213		Cypress <small>(06 46 36)</small>			
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	7.48		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03		
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	9.11		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06		
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	10.76		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10		
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	12.39		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13		
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	14.18		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20		
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	15.96		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27		
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	18.01		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.29		
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	19.73		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.33		
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	22.95		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35		
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	24.97		1.79
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42		
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	9.85		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06		
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	12.55		1.40
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09		
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	15.31		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13		
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	18.07		1.53
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16		
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	20.98		1.65
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0229 LF 1" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.83 1.29	1.65
06 46 36 00-0230 LF 1" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.56 1.32	1.65
06 46 36 00-0231 LF 1" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.35 1.36	1.79
06 46 36 00-0232 LF 1" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.04 1.38	1.79
06 46 36 00-0233 LF 1" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.02 1.45	1.92
06 46 36 00-0234 LF 1" x 11-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.74 1.50	1.92
06 46 36 00-0235 LF 1-1/2" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.49 1.12	1.40
06 46 36 00-0236 LF 1-1/2" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.94 1.15	1.53
06 46 36 00-0237 LF 1-1/2" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.39 1.18	1.53
06 46 36 00-0238 LF 1-1/2" x 4-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.84 1.22	1.65
06 46 36 00-0239 LF 1-1/2" x 5-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.32 1.26	1.65
06 46 36 00-0240 LF 1-1/2" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.04 1.35	1.79
06 46 36 00-0241 LF 1-1/2" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.48 1.38	1.79
06 46 36 00-0242 LF 1-1/2" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.96 1.42	1.79
06 46 36 00-0243 LF 1-1/2" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.54 1.44	1.92
06 46 36 00-0244 LF 1-1/2" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.38 1.51	1.92
06 46 36 00-0245 Fir <small>(06 46 36)</small>		
06 46 36 00-0246 LF 3/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.33 1.03	1.40
06 46 36 00-0247 LF 3/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.39 1.06	1.40
06 46 36 00-0248 LF 3/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.46 1.10	1.40
06 46 36 00-0249 LF 3/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.53 1.13	1.53
06 46 36 00-0250 LF 3/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.74 1.20	1.53
06 46 36 00-0251 LF 3/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.95 1.27	1.65
06 46 36 00-0252 LF 3/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.00 1.29	1.65
06 46 36 00-0253 LF 3/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.09 1.33	1.65
06 46 36 00-0254 LF 3/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.08 1.35	1.79
06 46 36 00-0255 LF 3/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.31 1.42	1.92
06 46 36 00-0256 LF 1" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.85 1.06	1.40
06 46 36 00-0257 LF 1" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.55 1.09	1.40
06 46 36 00-0258 LF 1" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.31 1.13	1.53
06 46 36 00-0259 LF 1" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.07 1.16	1.53
06 46 36 00-0260 LF 1" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.98 1.23	1.65
06 46 36 00-0261 LF 1" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.83 1.29	1.65
06 46 36 00-0262 LF 1" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.56 1.32	1.65
06 46 36 00-0263 LF 1" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.35 1.36	1.79
06 46 36 00-0264 LF 1" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.04 1.38	1.79
06 46 36 00-0265 LF 1" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.02 1.45	1.92
06 46 36 00-0266 LF 1" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.74 1.50	1.92
06 46 36 00-0267 LF 1-1/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.98 1.09	1.40
06 46 36 00-0268 LF 1-1/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.28 1.12	1.40
06 46 36 00-0269 LF 1-1/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.52 1.16	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0270	LF		1-1/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.81 1.19	1.53
06 46 36 00-0271	LF		1-1/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.20 1.26	1.65
06 46 36 00-0272	LF		1-1/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.63 1.32	1.65
06 46 36 00-0273	LF		1-1/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.86 1.35	1.79
06 46 36 00-0274	LF		1-1/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.17 1.39	1.79
06 46 36 00-0275	LF		1-1/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.35 1.41	1.79
06 46 36 00-0276	LF		1-1/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.80 1.48	1.92
06 46 36 00-0277	LF		1-1/4" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.10 1.53	2.04
06 46 36 00-0278	LF		1-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.55 1.12	1.40
06 46 36 00-0279	LF		1-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.54 1.15	1.53
06 46 36 00-0280	LF		1-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.52 1.18	1.53
06 46 36 00-0281	LF		1-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.51 1.22	1.65
06 46 36 00-0282	LF		1-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.52 1.26	1.65
06 46 36 00-0283	LF		1-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.78 1.35	1.79
06 46 36 00-0284	LF		1-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.75 1.38	1.79
06 46 36 00-0285	LF		1-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.76 1.42	1.92
06 46 36 00-0286	LF		1-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.67 1.44	1.92
06 46 36 00-0287	LF		1-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.84 1.51	2.04
06 46 36 00-0288	LF		1-1/2" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.88 1.56	2.04
06 46 36 00-0289	LF		2-1/2" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.47 1.17	1.53
06 46 36 00-0290	LF		2-1/2" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.28 1.20	1.53
06 46 36 00-0291	LF		2-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.11 1.24	1.65
06 46 36 00-0292	LF		2-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.03 1.29	1.65
06 46 36 00-0293	LF		2-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.86 1.32	1.65
06 46 36 00-0294	LF		2-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	59.91 1.41	1.79
06 46 36 00-0295	LF		2-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	67.73 1.44	1.92
06 46 36 00-0296	LF		2-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	75.77 1.50	1.92
06 46 36 00-0297	LF		2-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	83.48 1.52	2.04
06 46 36 00-0298	LF		2-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	91.29 1.55	2.04
06 46 36 00-0299	LF		3-1/2" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.88 1.26	1.65
06 46 36 00-0300	LF		3-1/2" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.84 1.32	1.65
06 46 36 00-0301	LF		3-1/2" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	64.79 1.35	1.79
06 46 36 00-0302	LF		3-1/2" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	74.99 1.44	1.92
06 46 36 00-0303	LF		3-1/2" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	84.93 1.47	1.92
06 46 36 00-0304	LF		3-1/2" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	95.01 1.52	2.04
06 46 36 00-0305	LF		3-1/2" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	104.96 1.55	2.04
06 46 36 00-0306	LF		3-1/2" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	114.91 1.58	2.04
06 46 36 00-0307			Honduran Mahogany <small>(06 46 36)</small>		
06 46 36 00-0308	LF		3/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.36 1.03	1.40
06 46 36 00-0309	LF		3/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.44 1.06	1.40
06 46 36 00-0310	LF		3/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.52 1.10	1.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0311 LF 3/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.60 1.13	1.53
06 46 36 00-0312 LF 3/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.82 1.20	1.53
06 46 36 00-0313 LF 3/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.05 1.27	1.65
06 46 36 00-0314 LF 3/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.11 1.29	1.65
06 46 36 00-0315 LF 3/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.22 1.33	1.79
06 46 36 00-0316 LF 3/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.22 1.35	1.79
06 46 36 00-0317 LF 3/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.47 1.42	1.92
06 46 36 00-0318 LF 3/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.60 1.47	1.92
06 46 36 00-0319 LF 1" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.52 1.06	1.40
06 46 36 00-0320 LF 1" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.55 1.09	1.40
06 46 36 00-0321 LF 1" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.64 1.13	1.53
06 46 36 00-0322 LF 1" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.74 1.16	1.53
06 46 36 00-0323 LF 1" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.98 1.23	1.65
06 46 36 00-0324 LF 1" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.17 1.29	1.65
06 46 36 00-0325 LF 1" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.24 1.32	1.79
06 46 36 00-0326 LF 1" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.36 1.36	1.79
06 46 36 00-0327 LF 1" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	45.39 1.38	1.79
06 46 36 00-0328 LF 1" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.59 1.45	1.92
06 46 36 00-0329 LF 1" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.28 1.50	1.92
06 46 36 00-0330 LF 1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.19 1.09	1.40
06 46 36 00-0331 LF 1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.09 1.12	1.40
06 46 36 00-0332 LF 1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.92 1.16	1.53
06 46 36 00-0333 LF 1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.81 1.19	1.53
06 46 36 00-0334 LF 1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.81 1.26	1.65
06 46 36 00-0335 LF 1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.84 1.32	1.79
06 46 36 00-0336 LF 1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.66 1.35	1.79
06 46 36 00-0337 LF 1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.58 1.39	1.79
06 46 36 00-0338 LF 1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.29 1.41	1.79
06 46 36 00-0339 LF 1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.41 1.48	1.92
06 46 36 00-0340 LF 1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	63.32 1.53	2.04
06 46 36 00-0341 LF 1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.46 1.12	1.40
06 46 36 00-0342 LF 1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.90 1.15	1.53
06 46 36 00-0343 LF 1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.34 1.18	1.53
06 46 36 00-0344 LF 1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.79 1.22	1.53
06 46 36 00-0345 LF 1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.25 1.26	1.65
06 46 36 00-0346 LF 1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.96 1.35	1.79
06 46 36 00-0347 LF 1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.39 1.38	1.79
06 46 36 00-0348 LF 1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	62.86 1.42	1.92
06 46 36 00-0349 LF 1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	69.22 1.44	1.92
06 46 36 00-0350 LF 1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	75.84 1.51	1.92
06 46 36 00-0351 LF 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	82.45 1.56	2.04
06 46 36 00-0352 LF 2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.71 1.14	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0353 LF 2" x 2-1/2" Custom Shaped Honduras Mahogany.....	28.74	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
06 46 36 00-0354 LF 2" x 3-1/2" Custom Shaped Honduras Mahogany.....	36.72	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.20	
06 46 36 00-0355 LF 2" x 4-1/2" Custom Shaped Honduras Mahogany.....	44.87	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.26	
06 46 36 00-0356 LF 2" x 5-1/2" Custom Shaped Honduras Mahogany.....	52.85	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.29	
06 46 36 00-0357 LF 2" x 6-1/2" Custom Shaped Honduras Mahogany.....	61.12	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.38	
06 46 36 00-0358 LF 2" x 7-1/2" Custom Shaped Honduras Mahogany.....	69.09	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.41	
06 46 36 00-0359 LF 2" x 8-1/2" Custom Shaped Honduras Mahogany.....	77.24	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
06 46 36 00-0360 LF 2" x 9-1/2" Custom Shaped Honduras Mahogany.....	85.22	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.50	
06 46 36 00-0361 LF 2" x 10-1/2" Custom Shaped Honduras Mahogany.....	93.25	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.52	
06 46 36 00-0362 LF 2" x 11-1/2" Custom Shaped Honduras Mahogany.....	101.48	2.17
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.61	
06 46 36 00-0363 LF 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany.....	25.38	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
06 46 36 00-0364 LF 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany.....	34.05	1.53
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.20	
06 46 36 00-0365 LF 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany.....	43.79	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.24	
06 46 36 00-0366 LF 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany.....	53.64	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.29	
06 46 36 00-0367 LF 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany.....	63.39	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32	
06 46 36 00-0368 LF 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany.....	73.36	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.41	
06 46 36 00-0369 LF 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany.....	83.10	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.44	
06 46 36 00-0370 LF 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany.....	92.96	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.50	
06 46 36 00-0371 LF 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany.....	102.69	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.52	
06 46 36 00-0372 LF 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany.....	112.43	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.55	
06 46 36 00-0373 LF 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany.....	122.42	2.17
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.64	
06 46 36 00-0374 LF 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany.....	59.28	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.26	
06 46 36 00-0375 LF 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany.....	72.98	1.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.32	
06 46 36 00-0376 LF 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany.....	86.56	1.79
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.35	
06 46 36 00-0377 LF 3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany.....	100.39	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.44	
06 46 36 00-0378 LF 3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany.....	113.96	1.92
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
06 46 36 00-0379 LF 3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany.....	127.67	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.52	
06 46 36 00-0380 LF 3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany.....	141.25	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.55	
06 46 36 00-0381 LF 3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany.....	154.83	2.04
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.58	
06 46 36 00-0382 LF 3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany.....	168.65	2.17
For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.67	
06 46 36 00-0383 Maple <small>(06 46 36)</small>		
06 46 36 00-0384 LF 3/4" x 1-1/2" Custom Shaped Maple.....	7.91	1.40
06 46 36 00-0385 LF 3/4" x 2-1/2" Custom Shaped Maple.....	9.75	1.40
06 46 36 00-0386 LF 3/4" x 3-1/2" Custom Shaped Maple.....	11.61	1.40
06 46 36 00-0387 LF 3/4" x 4-1/2" Custom Shaped Maple.....	13.46	1.53
06 46 36 00-0388 LF 3/4" x 5-1/2" Custom Shaped Maple.....	15.46	1.53
06 46 36 00-0389 LF 3/4" x 6-1/2" Custom Shaped Maple.....	17.45	1.65
06 46 36 00-0390 LF 3/4" x 7-1/2" Custom Shaped Maple.....	19.29	1.65
06 46 36 00-0391 LF 3/4" x 8-1/2" Custom Shaped Maple.....	21.17	1.65
06 46 36 00-0392 LF 3/4" x 9-1/2" Custom Shaped Maple.....	22.95	1.79
06 46 36 00-0393 LF 3/4" x 10-1/2" Custom Shaped Maple.....	24.97	1.92
06 46 36 00-0394 LF 3/4" x 11-1/2" Custom Shaped Maple.....	26.87	1.92
06 46 36 00-0395 LF 1" x 1-1/2" Custom Shaped Maple.....	9.32	1.40
06 46 36 00-0396 LF 1" x 2-1/2" Custom Shaped Maple.....	11.75	1.40
06 46 36 00-0397 LF 1" x 3-1/2" Custom Shaped Maple.....	14.24	1.53
06 46 36 00-0398 LF 1" x 4-1/2" Custom Shaped Maple.....	16.74	1.53
06 46 36 00-0399 LF 1" x 5-1/2" Custom Shaped Maple.....	19.38	1.65
06 46 36 00-0400 LF 1" x 6-1/2" Custom Shaped Maple.....	21.96	1.65
06 46 36 00-0401 LF 1" x 7-1/2" Custom Shaped Maple.....	24.43	1.65
06 46 36 00-0402 LF 1" x 8-1/2" Custom Shaped Maple.....	26.95	1.79
06 46 36 00-0403 LF 1" x 9-1/2" Custom Shaped Maple.....	29.38	1.79



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0404	LF		1" x 10-1/2" Custom Shaped Maple.....	30.91	1.92
06 46 36 00-0405	LF		1" x 11-1/2" Custom Shaped Maple.....	34.54	1.92
06 46 36 00-0406	LF		1-1/4" x 1-1/2" Custom Shaped Maple.....	10.50	1.40
06 46 36 00-0407	LF		1-1/4" x 2-1/2" Custom Shaped Maple.....	13.54	1.40
06 46 36 00-0408	LF		1-1/4" x 3-1/2" Custom Shaped Maple.....	16.56	1.53
06 46 36 00-0409	LF		1-1/4" x 4-1/2" Custom Shaped Maple.....	19.58	1.53
06 46 36 00-0410	LF		1-1/4" x 5-1/2" Custom Shaped Maple.....	22.76	1.65
06 46 36 00-0411	LF		1-1/4" x 6-1/2" Custom Shaped Maple.....	25.92	1.65
06 46 36 00-0412	LF		1-1/4" x 7-1/2" Custom Shaped Maple.....	28.93	1.79
06 46 36 00-0413	LF		1-1/4" x 8-1/2" Custom Shaped Maple.....	31.99	1.79
06 46 36 00-0414	LF		1-1/4" x 9-1/2" Custom Shaped Maple.....	34.95	1.79
06 46 36 00-0415	LF		1-1/4" x 10-1/2" Custom Shaped Maple.....	38.13	1.92
06 46 36 00-0416	LF		1-1/4" x 11-1/2" Custom Shaped Maple.....	41.22	2.04
06 46 36 00-0417	LF		1-1/2" x 1-1/2" Custom Shaped Maple.....	12.98	1.40
06 46 36 00-0418	LF		1-1/2" x 2-1/2" Custom Shaped Maple.....	17.18	1.53
06 46 36 00-0419	LF		1-1/2" x 3-1/2" Custom Shaped Maple.....	21.37	1.53
06 46 36 00-0420	LF		1-1/2" x 4-1/2" Custom Shaped Maple.....	25.58	1.65
06 46 36 00-0421	LF		1-1/2" x 5-1/2" Custom Shaped Maple.....	29.81	1.65
06 46 36 00-0422	LF		1-1/2" x 6-1/2" Custom Shaped Maple.....	34.27	1.79
06 46 36 00-0423	LF		1-1/2" x 7-1/2" Custom Shaped Maple.....	38.46	1.79
06 46 36 00-0424	LF		1-1/2" x 8-1/2" Custom Shaped Maple.....	43.22	1.92
06 46 36 00-0425	LF		1-1/2" x 9-1/2" Custom Shaped Maple.....	46.81	1.92
06 46 36 00-0426	LF		1-1/2" x 10-1/2" Custom Shaped Maple.....	51.29	2.04
06 46 36 00-0427	LF		1-1/2" x 11-1/2" Custom Shaped Maple.....	55.44	2.04
06 46 36 00-0428	LF		2" x 1-1/2" Custom Shaped Maple.....	16.98	1.53
06 46 36 00-0429	LF		2" x 2-1/2" Custom Shaped Maple.....	23.14	1.53
06 46 36 00-0430	LF		2" x 3-1/2" Custom Shaped Maple.....	29.25	1.53
06 46 36 00-0431	LF		2" x 4-1/2" Custom Shaped Maple.....	35.53	1.65
06 46 36 00-0432	LF		2" x 5-1/2" Custom Shaped Maple.....	41.64	1.65
06 46 36 00-0433	LF		2" x 6-1/2" Custom Shaped Maple.....	48.04	1.79
06 46 36 00-0434	LF		2" x 7-1/2" Custom Shaped Maple.....	54.15	1.79
06 46 36 00-0435	LF		2" x 8-1/2" Custom Shaped Maple.....	60.43	1.92
06 46 36 00-0436	LF		2" x 9-1/2" Custom Shaped Maple.....	66.54	1.92
06 46 36 00-0437	LF		2" x 10-1/2" Custom Shaped Maple.....	72.70	2.04
06 46 36 00-0438	LF		2" x 11-1/2" Custom Shaped Maple.....	79.60	2.17
06 46 36 00-0439	LF		3-1/2" x 3-1/2" Custom Shaped Maple.....	63.55	1.65
06 46 36 00-0440	LF		3-1/2" x 4-1/2" Custom Shaped Maple.....	78.32	1.65
06 46 36 00-0441	LF		3-1/2" x 5-1/2" Custom Shaped Maple.....	92.97	1.79
06 46 36 00-0442	LF		3-1/2" x 6-1/2" Custom Shaped Maple.....	107.86	1.92
06 46 36 00-0443	LF		3-1/2" x 7-1/2" Custom Shaped Maple.....	122.50	1.92
06 46 36 00-0444	LF		3-1/2" x 8-1/2" Custom Shaped Maple.....	137.27	2.04
06 46 36 00-0445	LF		3-1/2" x 9-1/2" Custom Shaped Maple.....	151.92	2.04
06 46 36 00-0446	LF		3-1/2" x 10-1/2" Custom Shaped Maple.....	166.57	2.04
06 46 36 00-0447	LF		3-1/2" x 11-1/2" Custom Shaped Maple.....	181.46	2.17
06 46 36 00-0448			Appl Soft Maple <small>(06 46 36)</small>		
06 46 36 00-0449	LF		3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	8.01	1.40
06 46 36 00-0450	LF		3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	9.91	1.40
06 46 36 00-0451	LF		3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	11.82	1.40
06 46 36 00-0452	LF		3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	13.73	1.53
06 46 36 00-0453	LF		3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	15.78	1.53
06 46 36 00-0454	LF		3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	17.83	1.65
06 46 36 00-0455	LF		3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	19.72	1.65
06 46 36 00-0456	LF		3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	21.65	1.65
06 46 36 00-0457	LF		3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	23.48	1.79
06 46 36 00-0458	LF		3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	25.55	1.92
06 46 36 00-0459	LF		3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	27.51	1.92
06 46 36 00-0460	LF		1" x 1-1/2" Custom Shaped Appl Soft Maple.....	9.05	1.40
06 46 36 00-0461	LF		1" x 2-1/2" Custom Shaped Appl Soft Maple.....	11.38	1.40
06 46 36 00-0462	LF		1" x 3-1/2" Custom Shaped Appl Soft Maple.....	13.71	1.53
06 46 36 00-0463	LF		1" x 4-1/2" Custom Shaped Appl Soft Maple.....	15.99	1.53
06 46 36 00-0464	LF		1" x 5-1/2" Custom Shaped Appl Soft Maple.....	18.58	1.65
06 46 36 00-0465	LF		1" x 6-1/2" Custom Shaped Appl Soft Maple.....	21.05	1.65
06 46 36 00-0466	LF		1" x 7-1/2" Custom Shaped Appl Soft Maple.....	23.36	1.65
06 46 36 00-0467	LF		1" x 8-1/2" Custom Shaped Appl Soft Maple.....	25.72	1.79
06 46 36 00-0468	LF		1" x 9-1/2" Custom Shaped Appl Soft Maple.....	28.04	1.79
06 46 36 00-0469	LF		1" x 10-1/2" Custom Shaped Appl Soft Maple.....	30.54	1.92
06 46 36 00-0470	LF		1" x 11-1/2" Custom Shaped Appl Soft Maple.....	32.94	1.92
06 46 36 00-0471	LF		1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	10.02	1.40
06 46 36 00-0472	LF		1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	12.84	1.40
06 46 36 00-0473	LF		1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	15.60	1.53
06 46 36 00-0474	LF		1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	18.41	1.53
06 46 36 00-0475	LF		1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	21.32	1.65
06 46 36 00-0476	LF		1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	24.27	1.65
06 46 36 00-0477	LF		1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	27.01	1.79
06 46 36 00-0478	LF		1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	29.85	1.79
06 46 36 00-0479	LF		1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	32.55	1.79
06 46 36 00-0480	LF		1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	35.52	1.92
06 46 36 00-0481	LF		1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	38.34	2.04
06 46 36 00-0482	LF		1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple.....	11.91	1.40

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple		15.58	1.53
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple		19.24	1.53
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple		22.91	1.65
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple		26.60	1.65
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple		30.54	1.79
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple		34.19	1.79
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple		37.88	1.92
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple		41.47	1.92
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple		45.31	2.04
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple		49.04	2.04
06 46 36 00-0493 Red Oak <small>(06 46 36)</small>					
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak		8.55	1.40
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak		10.71	1.40
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak		12.89	1.40
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak		15.06	1.53
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak		17.38	1.53
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak		19.70	1.65
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak		21.85	1.65
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak		24.05	1.65
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak		26.15	1.79
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak		28.49	1.92
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak		30.72	1.92
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak		10.22	1.40
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak		13.19	1.40
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak		16.11	1.53
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak		20.15	1.53
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak		22.15	1.65
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak		25.27	1.65
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak		28.16	1.65
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak		31.11	1.79
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak		34.02	1.79
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak		37.16	1.92
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak		40.14	1.92
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak		12.58	1.40
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak		16.68	1.40
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak		20.72	1.53
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak		24.81	1.53
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak		29.01	1.65
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak		33.23	1.65
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak		37.26	1.79
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak		41.38	1.79
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak		45.36	1.79
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak		49.60	1.92
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak		53.71	2.04
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak		17.46	1.40
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak		23.90	1.53
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak		30.34	1.53
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak		36.79	1.53
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak		43.25	1.65
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak		50.07	1.79
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak		56.39	1.79
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak		63.92	1.92
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak		69.22	1.92
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak		75.84	1.92
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak		82.34	2.04
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak		26.58	1.53
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak		37.55	1.53
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak		48.46	1.53
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak		59.54	1.65
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak		70.46	1.65
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak		81.67	1.79
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak		92.58	1.79
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak		103.66	1.92
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak		114.57	1.92
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak		125.53	2.04
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak		136.70	2.17
06 46 36 00-0549 White Oak <small>(06 46 36)</small>					
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak		8.65	1.40
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak		10.87	1.40
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak		13.11	1.40
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak		15.33	1.53
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak		17.70	1.53
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak		20.07	1.65
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak		22.28	1.65
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak		24.53	1.65
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak		26.68	1.79
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak		29.07	1.92



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0560	LF			3/4" x 11-1/2" Custom Shaped White Oak.....	31.36	1.92
06 46 36 00-0561	LF			1" x 1-1/2" Custom Shaped White Oak.....	10.22	1.40
06 46 36 00-0562	LF			1" x 2-1/2" Custom Shaped White Oak.....	13.19	1.40
06 46 36 00-0563	LF			1" x 3-1/2" Custom Shaped White Oak.....	16.11	1.53
06 46 36 00-0564	LF			1" x 4-1/2" Custom Shaped White Oak.....	20.15	1.53
06 46 36 00-0565	LF			1" x 5-1/2" Custom Shaped White Oak.....	22.15	1.65
06 46 36 00-0566	LF			1" x 6-1/2" Custom Shaped White Oak.....	25.27	1.65
06 46 36 00-0567	LF			1" x 7-1/2" Custom Shaped White Oak.....	28.16	1.65
06 46 36 00-0568	LF			1" x 8-1/2" Custom Shaped White Oak.....	31.11	1.79
06 46 36 00-0569	LF			1" x 9-1/2" Custom Shaped White Oak.....	34.02	1.79
06 46 36 00-0570	LF			1" x 10-1/2" Custom Shaped White Oak.....	37.16	1.92
06 46 36 00-0571	LF			1" x 11-1/2" Custom Shaped White Oak.....	40.14	1.92
06 46 36 00-0572	LF			1-1/4" x 1-1/2" Custom Shaped White Oak.....	12.75	1.40
06 46 36 00-0573	LF			1-1/4" x 2-1/2" Custom Shaped White Oak.....	16.90	1.40
06 46 36 00-0574	LF			1-1/4" x 3-1/2" Custom Shaped White Oak.....	21.04	1.53
06 46 36 00-0575	LF			1-1/4" x 4-1/2" Custom Shaped White Oak.....	25.18	1.53
06 46 36 00-0576	LF			1-1/4" x 5-1/2" Custom Shaped White Oak.....	29.49	1.65
06 46 36 00-0577	LF			1-1/4" x 6-1/2" Custom Shaped White Oak.....	33.77	1.65
06 46 36 00-0578	LF			1-1/4" x 7-1/2" Custom Shaped White Oak.....	37.90	1.79
06 46 36 00-0579	LF			1-1/4" x 8-1/2" Custom Shaped White Oak.....	42.07	1.79
06 46 36 00-0580	LF			1-1/4" x 9-1/2" Custom Shaped White Oak.....	46.16	1.79
06 46 36 00-0581	LF			1-1/4" x 10-1/2" Custom Shaped White Oak.....	50.46	1.92
06 46 36 00-0582	LF			1-1/4" x 11-1/2" Custom Shaped White Oak.....	54.67	2.04
06 46 36 00-0583	LF			1-1/2" x 1-1/2" Custom Shaped White Oak.....	20.67	1.40
06 46 36 00-0584	LF			1-1/2" x 2-1/2" Custom Shaped White Oak.....	28.71	1.53
06 46 36 00-0585	LF			1-1/2" x 3-1/2" Custom Shaped White Oak.....	36.74	1.53
06 46 36 00-0586	LF			1-1/2" x 4-1/2" Custom Shaped White Oak.....	44.79	1.65
06 46 36 00-0587	LF			1-1/2" x 5-1/2" Custom Shaped White Oak.....	52.86	1.65
06 46 36 00-0588	LF			1-1/2" x 6-1/2" Custom Shaped White Oak.....	61.17	1.79
06 46 36 00-0589	LF			1-1/2" x 7-1/2" Custom Shaped White Oak.....	69.20	1.79
06 46 36 00-0590	LF			1-1/2" x 8-1/2" Custom Shaped White Oak.....	77.27	1.92
06 46 36 00-0591	LF			1-1/2" x 9-1/2" Custom Shaped White Oak.....	84.17	1.92
06 46 36 00-0592	LF			1-1/2" x 10-1/2" Custom Shaped White Oak.....	93.45	2.04
06 46 36 00-0593	LF			1-1/2" x 11-1/2" Custom Shaped White Oak.....	101.55	2.04
06 46 36 00-0594				White Pine <small>(06 46 36)</small>		
06 46 36 00-0595	LF			3/4" x 1-1/2" Custom Shaped White Pine.....	9.61	1.40
06 46 36 00-0596	LF			3/4" x 2-1/2" Custom Shaped White Pine.....	12.31	1.40
06 46 36 00-0597	LF			3/4" x 3-1/2" Custom Shaped White Pine.....	15.03	1.40
06 46 36 00-0598	LF			3/4" x 4-1/2" Custom Shaped White Pine.....	17.73	1.53
06 46 36 00-0599	LF			3/4" x 5-1/2" Custom Shaped White Pine.....	20.58	1.53
06 46 36 00-0600	LF			3/4" x 6-1/2" Custom Shaped White Pine.....	23.43	1.65
06 46 36 00-0601	LF			3/4" x 7-1/2" Custom Shaped White Pine.....	26.12	1.65
06 46 36 00-0602	LF			3/4" x 8-1/2" Custom Shaped White Pine.....	28.85	1.65
06 46 36 00-0603	LF			3/4" x 9-1/2" Custom Shaped White Pine.....	33.09	1.79
06 46 36 00-0604	LF			3/4" x 10-1/2" Custom Shaped White Pine.....	36.12	1.92
06 46 36 00-0605	LF			1" x 1-1/2" Custom Shaped White Pine.....	10.76	1.40
06 46 36 00-0606	LF			1" x 2-1/2" Custom Shaped White Pine.....	13.99	1.40
06 46 36 00-0607	LF			1" x 3-1/2" Custom Shaped White Pine.....	17.17	1.53
06 46 36 00-0608	LF			1" x 4-1/2" Custom Shaped White Pine.....	20.42	1.53
06 46 36 00-0609	LF			1" x 5-1/2" Custom Shaped White Pine.....	23.75	1.65
06 46 36 00-0610	LF			1" x 6-1/2" Custom Shaped White Pine.....	27.14	1.65
06 46 36 00-0611	LF			1" x 7-1/2" Custom Shaped White Pine.....	30.30	1.65
06 46 36 00-0612	LF			1" x 8-1/2" Custom Shaped White Pine.....	33.56	1.79
06 46 36 00-0613	LF			1" x 9-1/2" Custom Shaped White Pine.....	36.69	1.79
06 46 36 00-0614	LF			1" x 10-1/2" Custom Shaped White Pine.....	40.09	1.92
06 46 36 00-0615	LF			1" x 11-1/2" Custom Shaped White Pine.....	43.34	1.92
06 46 36 00-0616	LF			1-1/4" x 1-1/2" Custom Shaped White Pine.....	12.10	1.40
06 46 36 00-0617	LF			1-1/4" x 2-1/2" Custom Shaped White Pine.....	15.94	1.40
06 46 36 00-0618	LF			1-1/4" x 3-1/2" Custom Shaped White Pine.....	19.87	1.53
06 46 36 00-0619	LF			1-1/4" x 4-1/2" Custom Shaped White Pine.....	23.58	1.53
06 46 36 00-0620	LF			1-1/4" x 5-1/2" Custom Shaped White Pine.....	27.56	1.65
06 46 36 00-0621	LF			1-1/4" x 6-1/2" Custom Shaped White Pine.....	31.53	1.65
06 46 36 00-0622	LF			1-1/4" x 7-1/2" Custom Shaped White Pine.....	35.34	1.79
06 46 36 00-0623	LF			1-1/4" x 8-1/2" Custom Shaped White Pine.....	39.19	1.79
06 46 36 00-0624	LF			1-1/4" x 9-1/2" Custom Shaped White Pine.....	42.95	1.79
06 46 36 00-0625	LF			1-1/4" x 10-1/2" Custom Shaped White Pine.....	46.94	1.92
06 46 36 00-0626	LF			1-1/4" x 11-1/2" Custom Shaped White Pine.....	50.83	2.04
06 46 36 00-0627	LF			1-1/2" x 1-1/2" Custom Shaped White Pine.....	15.12	1.40
06 46 36 00-0628	LF			1-1/2" x 2-1/2" Custom Shaped White Pine.....	20.38	1.53
06 46 36 00-0629	LF			1-1/2" x 3-1/2" Custom Shaped White Pine.....	25.64	1.53
06 46 36 00-0630	LF			1-1/2" x 4-1/2" Custom Shaped White Pine.....	30.92	1.65
06 46 36 00-0631	LF			1-1/2" x 5-1/2" Custom Shaped White Pine.....	36.21	1.65
06 46 36 00-0632	LF			1-1/2" x 6-1/2" Custom Shaped White Pine.....	41.74	1.79
06 46 36 00-0633	LF			1-1/2" x 7-1/2" Custom Shaped White Pine.....	47.00	1.79
06 46 36 00-0634	LF			1-1/2" x 8-1/2" Custom Shaped White Pine.....	52.29	1.92
06 46 36 00-0635	LF			1-1/2" x 9-1/2" Custom Shaped White Pine.....	58.55	1.92
06 46 36 00-0636	LF			1-1/2" x 10-1/2" Custom Shaped White Pine.....	62.93	2.04
06 46 36 00-0637	LF			1-1/2" x 11-1/2" Custom Shaped White Pine.....	68.25	2.04
06 46 36 00-0638	LF			2" x 1-1/2" Custom Shaped White Pine.....	23.11	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	32.32	1.53
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	41.52	1.53
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	50.84	1.65
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	60.06	1.65
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	69.50	1.79
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	78.70	1.79
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	88.02	1.92
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	97.22	1.92
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	106.43	2.04
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	115.89	2.17
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	27.51	1.53
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	38.85	1.53
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	50.20	1.65
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	61.65	1.65
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	72.99	1.65
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	84.57	1.79
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	95.91	1.92
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	107.36	1.92
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	118.70	2.04
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	130.04	2.04
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	141.64	2.17
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	69.53	1.65
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	85.79	1.65
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	101.93	1.79
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	118.32	1.92
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	134.45	1.92
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	150.72	2.04
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	166.86	2.04
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	183.00	2.04
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	199.39	2.17

06 46 36 00-0669 Clear Yellow Pine (06 46 36)

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.62	1.40
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	7.83	1.40
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.05	1.40
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.26	1.53
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	11.61	1.53
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	12.97	1.65
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	14.17	1.65
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.41	1.65
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.56	1.40
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.19	1.40
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	10.77	1.53
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.41	1.53
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	14.15	1.65
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	15.93	1.65
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	18.02	1.65
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	19.74	1.79
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	8.71	1.40
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	10.77	1.53
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	12.83	1.53
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	14.91	1.65
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	17.00	1.65
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	19.33	1.79
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	21.38	1.79
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	23.47	1.92
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	27.06	1.92
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	27.92	2.04

06 46 36 00-0696 Poplar (06 46 36)

06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	6.94	1.40
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.31	1.40
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	9.69	1.40
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.06	1.53
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	12.57	1.53
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	14.09	1.65
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	15.45	1.65
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	16.85	1.65
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	18.14	1.79
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	19.68	1.92
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	21.22	1.92
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	7.98	1.40
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	9.78	1.40
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	11.57	1.53
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	13.38	1.53
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	15.37	1.65
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	17.32	1.65
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	19.09	1.65
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	20.92	1.79



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0716	LF		1" x 9-1/2" Custom Shaped Poplar	22.70	1.79
06 46 36 00-0717	LF		1" x 10-1/2" Custom Shaped Poplar	24.67	1.92
06 46 36 00-0718	LF		1" x 11-1/2" Custom Shaped Poplar	26.53	1.92
06 46 36 00-0719	LF		1-1/4" x 1-1/2" Custom Shaped Poplar	8.90	1.40
06 46 36 00-0720	LF		1-1/4" x 2-1/2" Custom Shaped Poplar	11.13	1.40
06 46 36 00-0721	LF		1-1/4" x 3-1/2" Custom Shaped Poplar	13.36	1.53
06 46 36 00-0722	LF		1-1/4" x 4-1/2" Custom Shaped Poplar	15.58	1.53
06 46 36 00-0723	LF		1-1/4" x 5-1/2" Custom Shaped Poplar	17.96	1.65
06 46 36 00-0724	LF		1-1/4" x 6-1/2" Custom Shaped Poplar	20.32	1.65
06 46 36 00-0725	LF		1-1/4" x 7-1/2" Custom Shaped Poplar	22.53	1.79
06 46 36 00-0726	LF		1-1/4" x 8-1/2" Custom Shaped Poplar	24.78	1.79
06 46 36 00-0727	LF		1-1/4" x 9-1/2" Custom Shaped Poplar	26.94	1.79
06 46 36 00-0728	LF		1-1/4" x 10-1/2" Custom Shaped Poplar	29.32	1.92
06 46 36 00-0729	LF		1-1/4" x 11-1/2" Custom Shaped Poplar	31.62	2.04
06 46 36 00-0730	LF		1-1/2" x 1-1/2" Custom Shaped Poplar	11.06	1.40
06 46 36 00-0731	LF		1-1/2" x 2-1/2" Custom Shaped Poplar	14.30	1.53
06 46 36 00-0732	LF		1-1/2" x 3-1/2" Custom Shaped Poplar	17.53	1.53
06 46 36 00-0733	LF		1-1/2" x 4-1/2" Custom Shaped Poplar	20.78	1.65
06 46 36 00-0734	LF		1-1/2" x 5-1/2" Custom Shaped Poplar	24.04	1.65
06 46 36 00-0735	LF		1-1/2" x 6-1/2" Custom Shaped Poplar	27.55	1.79
06 46 36 00-0736	LF		1-1/2" x 7-1/2" Custom Shaped Poplar	30.77	1.79
06 46 36 00-0737	LF		1-1/2" x 8-1/2" Custom Shaped Poplar	34.04	1.92
06 46 36 00-0738	LF		1-1/2" x 9-1/2" Custom Shaped Poplar	37.20	1.92
06 46 36 00-0739	LF		1-1/2" x 10-1/2" Custom Shaped Poplar	40.62	2.04
06 46 36 00-0740	LF		1-1/2" x 11-1/2" Custom Shaped Poplar	43.91	2.04
06 46 36 00-0741	LF		2" x 1-1/2" Custom Shaped Poplar	14.31	1.53
06 46 36 00-0742	LF		2" x 2-1/2" Custom Shaped Poplar	19.14	1.53
06 46 36 00-0743	LF		2" x 3-1/2" Custom Shaped Poplar	23.91	1.53
06 46 36 00-0744	LF		2" x 4-1/2" Custom Shaped Poplar	28.86	1.65
06 46 36 00-0745	LF		2" x 5-1/2" Custom Shaped Poplar	33.64	1.65
06 46 36 00-0746	LF		2" x 6-1/2" Custom Shaped Poplar	38.70	1.79
06 46 36 00-0747	LF		2" x 7-1/2" Custom Shaped Poplar	43.48	1.79
06 46 36 00-0748	LF		2" x 8-1/2" Custom Shaped Poplar	48.42	1.92
06 46 36 00-0749	LF		2" x 9-1/2" Custom Shaped Poplar	53.20	1.92
06 46 36 00-0750	LF		2" x 10-1/2" Custom Shaped Poplar	58.02	2.04
06 46 36 00-0751	LF		2" x 11-1/2" Custom Shaped Poplar	63.06	2.17
06 46 36 00-0752	LF		2-1/2" x 1-1/2" Custom Shaped Poplar	17.59	1.53
06 46 36 00-0753	LF		2-1/2" x 2-1/2" Custom Shaped Poplar	23.96	1.53
06 46 36 00-0754	LF		2-1/2" x 3-1/2" Custom Shaped Poplar	30.35	1.65
06 46 36 00-0755	LF		2-1/2" x 4-1/2" Custom Shaped Poplar	36.83	1.65
06 46 36 00-0756	LF		2-1/2" x 5-1/2" Custom Shaped Poplar	43.21	1.65
06 46 36 00-0757	LF		2-1/2" x 6-1/2" Custom Shaped Poplar	49.83	1.79
06 46 36 00-0758	LF		2-1/2" x 7-1/2" Custom Shaped Poplar	56.20	1.92
06 46 36 00-0759	LF		2-1/2" x 8-1/2" Custom Shaped Poplar	62.70	1.92
06 46 36 00-0760	LF		2-1/2" x 9-1/2" Custom Shaped Poplar	69.07	2.04
06 46 36 00-0761	LF		2-1/2" x 10-1/2" Custom Shaped Poplar	75.44	2.04
06 46 36 00-0762	LF		2-1/2" x 11-1/2" Custom Shaped Poplar	82.08	2.17
06 46 36 00-0763	LF		3-1/2" x 3-1/2" Custom Shaped Poplar	41.35	1.65
06 46 36 00-0764	LF		3-1/2" x 4-1/2" Custom Shaped Poplar	50.57	1.65
06 46 36 00-0765	LF		3-1/2" x 5-1/2" Custom Shaped Poplar	59.66	1.79
06 46 36 00-0766	LF		3-1/2" x 6-1/2" Custom Shaped Poplar	69.12	1.92
06 46 36 00-0767	LF		3-1/2" x 7-1/2" Custom Shaped Poplar	78.10	1.92
06 46 36 00-0768	LF		3-1/2" x 8-1/2" Custom Shaped Poplar	87.32	2.04
06 46 36 00-0769	LF		3-1/2" x 9-1/2" Custom Shaped Poplar	96.42	2.04
06 46 36 00-0770	LF		3-1/2" x 10-1/2" Custom Shaped Poplar	105.51	2.04
06 46 36 00-0771	LF		3-1/2" x 11-1/2" Custom Shaped Poplar	114.86	2.17
06 46 36 00-0772			Clear Heart Redwood <small>(06 46 36)</small>		
06 46 36 00-0773	LF		3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.44	1.40
06 46 36 00-0774	LF		3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.55	1.40
06 46 36 00-0775	LF		3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	12.68	1.40
06 46 36 00-0776	LF		3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	14.79	1.53
06 46 36 00-0777	LF		3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	17.06	1.53
06 46 36 00-0778	LF		3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	19.32	1.65
06 46 36 00-0779	LF		3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	23.56	1.65
06 46 36 00-0780	LF		3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	25.97	1.65
06 46 36 00-0781	LF		3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	26.10	1.79
06 46 36 00-0782	LF		3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	27.90	1.92
06 46 36 00-0783	LF		1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.12	1.40
06 46 36 00-0784	LF		1" x 2-1/2" Custom Shaped Clear Heart Redwood	12.98	1.40
06 46 36 00-0785	LF		1" x 3-1/2" Custom Shaped Clear Heart Redwood	15.84	1.53
06 46 36 00-0786	LF		1" x 4-1/2" Custom Shaped Clear Heart Redwood	18.71	1.53
06 46 36 00-0787	LF		1" x 5-1/2" Custom Shaped Clear Heart Redwood	21.78	1.65
06 46 36 00-0788	LF		1" x 6-1/2" Custom Shaped Clear Heart Redwood	24.79	1.65
06 46 36 00-0789	LF		1" x 7-1/2" Custom Shaped Clear Heart Redwood	31.37	1.65
06 46 36 00-0790	LF		1" x 8-1/2" Custom Shaped Clear Heart Redwood	34.74	1.79
06 46 36 00-0791	LF		1" x 9-1/2" Custom Shaped Clear Heart Redwood	38.02	1.79
06 46 36 00-0792	LF		1" x 10-1/2" Custom Shaped Clear Heart Redwood	41.53	1.92
06 46 36 00-0793	LF		1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	13.20	1.40
06 46 36 00-0794	LF		1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	17.50	1.53

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood		21.80	1.53
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood		26.11	1.65
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood		30.45	1.65
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood		35.13	1.79
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood		47.00	1.79
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood		52.29	1.92
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood		61.75	1.92
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood		67.62	2.04
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood		65.26	1.65
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood		80.45	1.65
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood		95.53	1.79
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood		110.85	1.92
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood		125.91	1.92
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood		141.12	2.04
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood		156.19	2.04
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood		171.26	2.04
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood		186.59	2.17
06 46 36 00-0812 Teak <small>(06 46 36)</small>					
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak		22.74	1.40
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak		32.01	1.40
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak		41.28	1.40
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak		50.55	1.53
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak		59.97	1.53
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak		69.38	1.65
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak		78.64	1.65
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak		87.93	1.65
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak		97.13	1.79
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak		106.56	1.92
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak		115.89	1.92
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak		52.05	1.40
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak		59.77	1.53
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak		78.16	1.53
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak		96.56	1.65
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak		114.98	1.65
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak		133.11	1.79
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak		152.02	1.79
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak		170.45	1.92
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak		188.77	1.92
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak		207.34	2.04
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak		225.79	2.04
06 46 36 00-0835 Walnut <small>(06 46 36)</small>					
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut		12.60	1.40
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut		16.80	1.40
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut		21.00	1.40
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut		25.20	1.53
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut		29.55	1.53
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut		33.89	1.65
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut		38.08	1.65
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut		42.30	1.65
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut		46.43	1.79
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut		50.80	1.92
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut		55.05	1.92
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut		15.03	1.40
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut		20.40	1.40
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut		25.71	1.53
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut		31.09	1.53
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut		36.56	1.65
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut		42.08	1.65
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut		47.38	1.65
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut		52.78	1.79
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut		58.03	1.79
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut		63.57	1.92
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut		68.96	1.92
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut		18.35	1.40
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut		25.33	1.40
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut		32.25	1.53
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut		39.22	1.53
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut		46.30	1.65
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut		53.41	1.65
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut		60.32	1.79
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut		67.32	1.79
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut		74.17	1.79
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut		81.30	1.92
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut		88.29	2.04
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut		24.72	1.40
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut		34.79	1.53
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut		44.86	1.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0872 LF 1-1/2" x 4-1/2" Custom Shaped Walnut	54.93	1.65
06 46 36 00-0873 LF 1-1/2" x 5-1/2" Custom Shaped Walnut	65.03	1.65
06 46 36 00-0874 LF 1-1/2" x 6-1/2" Custom Shaped Walnut	75.36	1.79
06 46 36 00-0875 LF 1-1/2" x 7-1/2" Custom Shaped Walnut	85.42	1.79
06 46 36 00-0876 LF 1-1/2" x 8-1/2" Custom Shaped Walnut	95.52	1.92
06 46 36 00-0877 LF 1-1/2" x 9-1/2" Custom Shaped Walnut	106.58	1.92
06 46 36 00-0878 LF 1-1/2" x 10-1/2" Custom Shaped Walnut	115.76	2.04
06 46 36 00-0879 LF 1-1/2" x 11-1/2" Custom Shaped Walnut	125.89	2.04
06 46 36 00-0880 LF 2" x 1-1/2" Custom Shaped Walnut	41.26	1.53
06 46 36 00-0881 LF 2" x 2-1/2" Custom Shaped Walnut	59.54	1.53
06 46 36 00-0882 LF 2" x 3-1/2" Custom Shaped Walnut	77.81	1.53
06 46 36 00-0883 LF 2" x 4-1/2" Custom Shaped Walnut	96.20	1.65
06 46 36 00-0884 LF 2" x 5-1/2" Custom Shaped Walnut	114.49	1.65
06 46 36 00-0885 LF 2" x 6-1/2" Custom Shaped Walnut	133.00	1.79
06 46 36 00-0886 LF 2" x 7-1/2" Custom Shaped Walnut	151.28	1.79
06 46 36 00-0887 LF 2" x 8-1/2" Custom Shaped Walnut	169.67	1.92
06 46 36 00-0888 LF 2" x 9-1/2" Custom Shaped Walnut	187.95	1.92
06 46 36 00-0889 LF 2" x 10-1/2" Custom Shaped Walnut	206.22	2.04
06 46 36 00-0890 LF 2" x 11-1/2" Custom Shaped Walnut	224.76	2.17
06 46 36 00-0891 LF 2-1/2" x 1-1/2" Custom Shaped Walnut	51.53	1.53
06 46 36 00-0892 LF 2-1/2" x 2-1/2" Custom Shaped Walnut	74.87	1.53
06 46 36 00-0893 LF 2-1/2" x 3-1/2" Custom Shaped Walnut	98.23	1.65
06 46 36 00-0894 LF 2-1/2" x 4-1/2" Custom Shaped Walnut	121.68	1.65
06 46 36 00-0895 LF 2-1/2" x 5-1/2" Custom Shaped Walnut	145.04	1.65
06 46 36 00-0896 LF 2-1/2" x 6-1/2" Custom Shaped Walnut	168.62	1.79
06 46 36 00-0897 LF 2-1/2" x 7-1/2" Custom Shaped Walnut	191.97	1.92
06 46 36 00-0898 LF 2-1/2" x 8-1/2" Custom Shaped Walnut	215.43	1.92
06 46 36 00-0899 LF 2-1/2" x 9-1/2" Custom Shaped Walnut	238.78	2.04
06 46 36 00-0900 LF 2-1/2" x 10-1/2" Custom Shaped Walnut	262.12	2.04
06 46 36 00-0901 LF 2-1/2" x 11-1/2" Custom Shaped Walnut	285.73	2.17

06 48 Wood Frames (06 48)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)

06 48 13 00-0001 Exterior Door Frames (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002 EA 3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	295.77	72.31
<i>For Birch, Add</i>	52.95	
<i>For Mahogany, Add</i>	128.59	
06 48 13 00-0003 EA 3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	310.71	75.78
<i>For Birch, Add</i>	55.94	
<i>For Mahogany, Add</i>	135.86	
06 48 13 00-0004 EA 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	325.69	78.73
<i>For Birch, Add</i>	58.94	
<i>For Mahogany, Add</i>	143.13	
06 48 13 00-0005 EA 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	354.08	84.25
<i>For Birch, Add</i>	64.92	
<i>For Mahogany, Add</i>	157.66	
06 48 13 00-0006 EA 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	383.19	90.29
<i>For Birch, Add</i>	70.91	
<i>For Mahogany, Add</i>	172.20	
06 48 13 00-0007 EA 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	423.00	72.56
06 48 13 00-0008 EA 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	431.72	75.78
06 48 13 00-0009 EA 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	440.37	78.98
06 48 13 00-0010 EA 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	455.27	84.12
06 48 13 00-0011 EA 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	472.83	90.54
06 48 13 00-0012 EA 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	339.78	72.56
06 48 13 00-0013 EA 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	356.01	75.78
06 48 13 00-0014 EA 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	372.34	78.98
06 48 13 00-0015 EA 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	402.23	84.12
06 48 13 00-0016 EA 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	434.68	90.54

06 48 16 Interior Wood Door Frames (06 48)

06 48 16 00-0001 Interior Door Frames (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002 EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	147.10	34.42
<i>For Oak Or Maple, Add</i>	24.27	
<i>For Birch, Add</i>	27.41	
<i>For Mahogany, Add</i>	66.56	
<i>For Walnut Frame, Add</i>	35.24	
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	148.09	34.55
<i>For Oak Or Maple, Add</i>	24.48	
<i>For Birch, Add</i>	27.64	
<i>For Mahogany, Add</i>	67.12	
<i>For Walnut Frame, Add</i>	35.53	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 48 Wood Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA		2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	150.03	35.19
			<i>For Oak Or Maple, Add</i>	24.66	
			<i>For Birch, Add</i>	27.84	
			<i>For Mahogany, Add</i>	67.62	
			<i>For Walnut Frame, Add</i>	35.80	
06 48 16 00-0005	EA		3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	152.59	36.09
			<i>For Oak Or Maple, Add</i>	24.91	
			<i>For Birch, Add</i>	28.12	
			<i>For Mahogany, Add</i>	68.29	
			<i>For Walnut Frame, Add</i>	36.15	
06 48 16 00-0006	EA		3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	156.14	36.99
			<i>For Oak Or Maple, Add</i>	25.43	
			<i>For Birch, Add</i>	28.71	
			<i>For Mahogany, Add</i>	69.73	
			<i>For Walnut Frame, Add</i>	36.92	
06 48 16 00-0007	EA		4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	165.03	39.30
			<i>For Oak Or Maple, Add</i>	26.77	
			<i>For Birch, Add</i>	30.23	
			<i>For Mahogany, Add</i>	73.41	
			<i>For Walnut Frame, Add</i>	38.87	
06 48 16 00-0008	EA		5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	175.82	42.51
			<i>For Oak Or Maple, Add</i>	28.13	
			<i>For Birch, Add</i>	31.76	
			<i>For Mahogany, Add</i>	77.12	
			<i>For Walnut Frame, Add</i>	40.83	
06 48 16 00-0009	EA		6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	185.37	45.20
			<i>For Oak Or Maple, Add</i>	29.47	
			<i>For Birch, Add</i>	33.27	
			<i>For Mahogany, Add</i>	80.80	
			<i>For Walnut Frame, Add</i>	42.78	
06 48 16 00-0010	LF		4-9/16", Pine Interior Door Frame	7.60	3.08
			<i>For Oak Or Maple, Add</i>	0.44	
			<i>For Birch, Add</i>	0.50	
			<i>For Mahogany, Add</i>	1.22	
			<i>For Walnut Frame, Add</i>	0.64	

06 50 Structural Plastics ⁽⁰⁶⁾**06 51 Structural Plastic Shapes and Plates** ^(06 50)**06 51 13 Plastic Lumber** ^(06 51)**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber** ^(06 51 13)

06 51 13 00-0002	LF		2" x 6", Beam Or Girder, Recycled Plastic Lumber	12.11	2.07
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.39	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.82	
			<i>For White Color, Add</i>	3.89	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.30	
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber	15.40	2.25
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.51	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.10	
			<i>For White Color, Add</i>	5.18	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.38	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber	18.37	2.43
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.52	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.34	
			<i>For White Color, Add</i>	6.34	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.37	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber	26.71	2.88
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.37	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.03	
			<i>For White Color, Add</i>	9.61	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.14	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber	31.95	3.24
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.11	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.46	
			<i>For White Color, Add</i>	11.61	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.84	
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber	17.43	2.79
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.98	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.21	
			<i>For White Color, Add</i>	5.72	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.84	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber	23.34	2.97
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.07	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.72	
			<i>For White Color, Add</i>	8.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0009 LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	24.29	3.05
For Reinforced Structural Plastic Lumber, Add	7.37	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.79	
For White Color, Add	8.47	
For All Other Colors (Except Black, Brown Or White), Add	7.17	
06 51 13 00-0010 LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	33.34	3.33
For Reinforced Structural Plastic Lumber, Add	10.58	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.57	
For White Color, Add	12.15	
For All Other Colors (Except Black, Brown Or White), Add	10.29	
06 51 13 00-0011 LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	45.30	3.51
For Reinforced Structural Plastic Lumber, Add	14.90	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.63	
For White Color, Add	17.12	
For All Other Colors (Except Black, Brown Or White), Add	14.50	
06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0013 LF 2" x 4", Joist, Recycled Plastic Lumber.....	7.85	1.16
For Reinforced Structural Plastic Lumber, Add	2.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.56	
For White Color, Add	2.63	
For All Other Colors (Except Black, Brown Or White), Add	2.22	
06 51 13 00-0014 LF 2" x 6", Joist, Recycled Plastic Lumber.....	10.83	1.22
For Reinforced Structural Plastic Lumber, Add	3.39	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.82	
For White Color, Add	3.89	
For All Other Colors (Except Black, Brown Or White), Add	3.30	
06 51 13 00-0015 LF 2" x 8", Joist, Recycled Plastic Lumber.....	14.10	1.35
For Reinforced Structural Plastic Lumber, Add	4.51	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.10	
For White Color, Add	5.18	
For All Other Colors (Except Black, Brown Or White), Add	4.38	
06 51 13 00-0016 LF 2" x 10", Joist, Recycled Plastic Lumber.....	17.22	1.62
For Reinforced Structural Plastic Lumber, Add	5.52	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.34	
For White Color, Add	6.34	
For All Other Colors (Except Black, Brown Or White), Add	5.37	
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber.....	25.31	1.89
For Reinforced Structural Plastic Lumber, Add	8.37	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.03	
For White Color, Add	9.61	
For All Other Colors (Except Black, Brown Or White), Add	8.14	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber.....	30.79	2.43
For Reinforced Structural Plastic Lumber, Add	10.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.46	
For White Color, Add	11.61	
For All Other Colors (Except Black, Brown Or White), Add	9.84	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber.....	15.89	1.71
For Reinforced Structural Plastic Lumber, Add	4.98	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.21	
For White Color, Add	5.72	
For All Other Colors (Except Black, Brown Or White), Add	4.84	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber.....	21.66	1.80
For Reinforced Structural Plastic Lumber, Add	7.07	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.72	
For White Color, Add	8.12	
For All Other Colors (Except Black, Brown Or White), Add	6.88	
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber.....	22.75	1.97
For Reinforced Structural Plastic Lumber, Add	7.37	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.79	
For White Color, Add	8.47	
For All Other Colors (Except Black, Brown Or White), Add	7.17	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber.....	31.79	2.25
For Reinforced Structural Plastic Lumber, Add	10.58	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.57	
For White Color, Add	12.15	
For All Other Colors (Except Black, Brown Or White), Add	10.29	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0023	LF		6" x 8", Joist, Recycled Plastic Lumber.....	43.75	2.43
			<i>For Reinforced Structural Plastic Lumber, Add</i>	14.90	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	3.63	
			<i>For White Color, Add</i>	17.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.50	
06 51 13 00-0024			Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025	LF		4" x 4", Column, Recycled Plastic Lumber.....	18.72	3.68
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.98	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.21	
			<i>For White Color, Add</i>	5.72	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.84	
06 51 13 00-0026	LF		4" x 6", Column, Recycled Plastic Lumber.....	26.55	5.22
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.07	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.72	
			<i>For White Color, Add</i>	8.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.88	
06 51 13 00-0027	LF		5" x 5", Column, Recycled Plastic Lumber.....	28.27	5.84
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.37	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.79	
			<i>For White Color, Add</i>	8.47	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.17	
06 51 13 00-0028	LF		6" x 6", Column, Recycled Plastic Lumber.....	38.09	6.65
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.58	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.57	
			<i>For White Color, Add</i>	12.15	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.29	
06 51 13 00-0029	LF		6" x 8", Column, Recycled Plastic Lumber.....	51.97	8.18
			<i>For Reinforced Structural Plastic Lumber, Add</i>	14.90	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	3.63	
			<i>For White Color, Add</i>	17.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.50	
06 51 13 00-0030			Walls, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0031	LF		2" x 3", Walls, Recycled Plastic Lumber.....	7.07	1.16
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.00	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.49	
			<i>For White Color, Add</i>	2.30	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.94	
06 51 13 00-0032	LF		2" x 4", Walls, Recycled Plastic Lumber.....	8.11	1.35
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.29	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.56	
			<i>For White Color, Add</i>	2.63	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.22	
06 51 13 00-0033	LF		2" x 6", Walls, Recycled Plastic Lumber.....	11.22	1.43
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.39	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.82	
			<i>For White Color, Add</i>	3.89	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.30	
06 51 13 00-0034	LF		2" x 8", Walls, Recycled Plastic Lumber.....	14.36	1.53
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.51	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.10	
			<i>For White Color, Add</i>	5.18	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.38	
06 51 13 00-0035			Other Shapes, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0036	LF		5/4" x 4", Other Shapes, Recycled Plastic Lumber.....	6.89	1.03
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.97	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.48	
			<i>For White Color, Add</i>	2.26	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.92	
06 51 13 00-0037	LF		5/4" x 6", Other Shapes, Recycled Plastic Lumber.....	8.72	1.16
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.61	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.63	
			<i>For White Color, Add</i>	3.00	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0038 LF 5/4" x 8", Recycled Plastic Lumber	11.36	1.16
For Reinforced Structural Plastic Lumber, Add	3.59	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.87	
For White Color, Add	4.12	
For All Other Colors (Except Black, Brown Or White), Add	3.49	
06 51 13 00-0039 LF 1" x 4", Other Shapes, Recycled Plastic Lumber	6.93	1.03
For Reinforced Structural Plastic Lumber, Add	1.98	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.48	
For White Color, Add	2.28	
For All Other Colors (Except Black, Brown Or White), Add	1.93	
06 51 13 00-0040 LF 1" x 6", Other Shapes, Recycled Plastic Lumber	7.65	1.16
For Reinforced Structural Plastic Lumber, Add	2.21	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.54	
For White Color, Add	2.54	
For All Other Colors (Except Black, Brown Or White), Add	2.15	
06 51 13 00-0041 LF 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	7.79	1.16
For Reinforced Structural Plastic Lumber, Add	2.26	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.55	
For White Color, Add	2.60	
For All Other Colors (Except Black, Brown Or White), Add	2.20	
06 51 13 00-0042 LF 2" x 2", Other Shapes, Recycled Plastic Lumber	4.82	0.99
For Reinforced Structural Plastic Lumber, Add	1.26	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.45	
For All Other Colors (Except Black, Brown Or White), Add	1.23	
06 51 13 00-0043 LF 2" x 3", Other Shapes, Recycled Plastic Lumber	7.07	1.16
For Reinforced Structural Plastic Lumber, Add	2.00	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.49	
For White Color, Add	2.30	
For All Other Colors (Except Black, Brown Or White), Add	1.94	
06 51 13 00-0044 LF 2" x 4", Other Shapes, Recycled Plastic Lumber	8.11	1.35
For Reinforced Structural Plastic Lumber, Add	2.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.56	
For White Color, Add	2.63	
For All Other Colors (Except Black, Brown Or White), Add	2.22	
06 51 13 00-0045 LF 2" x 6", Other Shapes, Recycled Plastic Lumber	11.22	1.43
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.82	
For White Color, Add	3.89	
For All Other Colors (Except Black, Brown Or White), Add	3.30	
06 51 13 00-0046 LF 2" x 8", Other Shapes, Recycled Plastic Lumber	14.36	1.53
For Reinforced Structural Plastic Lumber, Add	4.51	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.10	
For White Color, Add	5.18	
For All Other Colors (Except Black, Brown Or White), Add	4.38	
06 51 13 00-0047 LF 2" x 10", Other Shapes, Recycled Plastic Lumber	17.22	1.62
For Reinforced Structural Plastic Lumber, Add	5.52	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.34	
For White Color, Add	6.34	
For All Other Colors (Except Black, Brown Or White), Add	5.37	
06 51 13 00-0048 LF 2" x 12", Other Shapes, Recycled Plastic Lumber	20.77	1.71
For Reinforced Structural Plastic Lumber, Add	6.79	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.65	
For White Color, Add	7.79	
For All Other Colors (Except Black, Brown Or White), Add	6.60	
06 51 13 00-0049 LF 3" x 4", Other Shapes, Recycled Plastic Lumber	11.56	1.58
For Reinforced Structural Plastic Lumber, Add	3.44	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.84	
For White Color, Add	3.95	
For All Other Colors (Except Black, Brown Or White), Add	3.35	
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber	16.82	1.68
For Reinforced Structural Plastic Lumber, Add	5.34	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.13	
For All Other Colors (Except Black, Brown Or White), Add	5.19	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber	21.83	1.80
For Reinforced Structural Plastic Lumber, Add	7.14	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.74	
For White Color, Add	8.20	
For All Other Colors (Except Black, Brown Or White), Add	6.94	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0052	LF		3" x 10", Other Shapes, Recycled Plastic Lumber	25.31	1.89
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.37	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.03	
			<i>For White Color, Add</i>	9.61	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.14	
06 51 13 00-0053	LF		3" x 12", Other Shapes, Recycled Plastic Lumber	30.79	2.43
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.11	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.46	
			<i>For White Color, Add</i>	11.61	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.84	
06 51 13 00-0054	LF		4" x 4", Other Shapes, Recycled Plastic Lumber	15.89	1.71
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.98	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.21	
			<i>For White Color, Add</i>	5.72	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.84	
06 51 13 00-0055	LF		4" x 6", Other Shapes, Recycled Plastic Lumber	21.66	1.80
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.07	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.72	
			<i>For White Color, Add</i>	8.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.88	
06 51 13 00-0056	LF		4" x 8", Other Shapes, Recycled Plastic Lumber	29.05	1.95
			<i>For Reinforced Structural Plastic Lumber, Add</i>	9.72	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.36	
			<i>For White Color, Add</i>	11.16	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.46	
06 51 13 00-0057	LF		5" x 5", Other Shapes, Recycled Plastic Lumber	22.75	1.97
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.37	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.79	
			<i>For White Color, Add</i>	8.47	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.17	
06 51 13 00-0058	LF		6" x 6", Other Shapes, Recycled Plastic Lumber	31.79	2.25
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.58	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.57	
			<i>For White Color, Add</i>	12.15	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.29	
06 51 13 00-0059	LF		6" x 8", Other Shapes, Recycled Plastic Lumber	43.75	2.43
			<i>For Reinforced Structural Plastic Lumber, Add</i>	14.90	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	3.63	
			<i>For White Color, Add</i>	17.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.50	
06 51 13 00-0060	LF		6" x 12", Other Shapes, Recycled Plastic Lumber	61.66	2.70
			<i>For Reinforced Structural Plastic Lumber, Add</i>	21.39	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	5.20	
			<i>For White Color, Add</i>	24.57	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	20.81	
06 51 13 00-0061	LF		8" x 8", Other Shapes, Recycled Plastic Lumber	54.86	2.59
			<i>For Reinforced Structural Plastic Lumber, Add</i>	18.93	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	4.60	
			<i>For White Color, Add</i>	21.74	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	18.42	
06 51 13 00-0062	LF		8" x 12", Other Shapes, Recycled Plastic Lumber	93.42	2.70
			<i>For Reinforced Structural Plastic Lumber, Add</i>	33.14	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	8.06	
			<i>For White Color, Add</i>	38.06	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	32.24	
06 51 13 00-0063	LF		10" x 10", Other Shapes, Recycled Plastic Lumber	129.43	2.83
			<i>For Reinforced Structural Plastic Lumber, Add</i>	46.41	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	11.29	
			<i>For White Color, Add</i>	53.30	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	45.15	
06 51 13 00-0064	LF		2" Diameter, Other Shapes, Recycled Plastic Lumber	5.14	0.90
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.43	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.35	
			<i>For White Color, Add</i>	1.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.39	
06 51 13 00-0065	LF		3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	14.53	1.16
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.76	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.16	
			<i>For White Color, Add</i>	5.47	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0066 LF 4" Diameter, Other Shapes, Recycled Plastic Lumber.....	16.03	1.35
<i>For Reinforced Structural Plastic Lumber, Add</i>	5.22	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.27	
<i>For White Color, Add</i>	6.00	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.08	
06 51 13 00-0067 LF 5" Diameter, Other Shapes, Recycled Plastic Lumber.....	19.85	1.62
<i>For Reinforced Structural Plastic Lumber, Add</i>	6.49	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	1.58	
<i>For White Color, Add</i>	7.45	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.31	
06 51 13 00-0068 LF 6" Diameter, Other Shapes, Recycled Plastic Lumber.....	43.62	1.89
<i>For Reinforced Structural Plastic Lumber, Add</i>	15.14	
<i>Note: High density polyethylene combined with fiberglass.</i>		
<i>For Brown Color, Add</i>	3.68	
<i>For White Color, Add</i>	17.39	
<i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.73	
06 51 13 00-0069 SF 1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.21	0.99
06 51 13 00-0070 SF 1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.09	1.03
06 51 13 00-0071 SF 3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	8.73	1.09
06 51 13 00-0072 SF 1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	11.06	1.13

06 51 23 Plastic Channel and Shapes (06 51)

06 51 23 00-0001 Channel (06 51 23)		
06 51 23 00-0002 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22).....	20.44	2.25
06 51 23 00-0003 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8).....	38.03	2.25
06 51 23 00-0004 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH).....	38.03	2.25
06 51 23 00-0005 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A).....	49.75	2.25
06 51 23 00-0006 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22).....	25.60	2.25
06 51 23 00-0007 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8).....	43.42	2.25
06 51 23 00-0008 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH).....	43.42	2.25
06 51 23 00-0009 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A).....	54.67	2.25
06 51 23 00-0010 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42).....	20.68	2.25
06 51 23 00-0011 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8).....	33.10	2.25
06 51 23 00-0012 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH).....	33.10	2.25
06 51 23 00-0013 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A).....	44.83	2.25
06 51 23 00-0014 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42).....	25.13	2.25
06 51 23 00-0015 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8).....	38.03	2.25
06 51 23 00-0016 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH).....	38.03	2.25
06 51 23 00-0017 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A).....	46.94	2.25

06 51 33 Carbon Fiber Plates (06 51)

06 51 33 00-0001 Carbon Fiber Plates (06 51 33)		
<i>Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte</i>		
06 51 33 00-0002 EA 6" x 6", 0.039" Thickness, Carbon Fiber Plates.....	19.16	
06 51 33 00-0003 EA 6" x 12", 0.039" Thickness, Carbon Fiber Plates.....	30.16	
06 51 33 00-0004 EA 6" x 24", 0.039" Thickness, Carbon Fiber Plates.....	52.03	
06 51 33 00-0005 EA 12" x 12", 0.039" Thickness, Carbon Fiber Plates.....	52.03	
06 51 33 00-0006 EA 12" x 24", 0.039" Thickness, Carbon Fiber Plates.....	92.88	
06 51 33 00-0007 EA 12" x 48", 0.039" Thickness, Carbon Fiber Plates.....	172.47	
06 51 33 00-0008 EA 24" x 24", 0.039" Thickness, Carbon Fiber Plates.....	173.11	
06 51 33 00-0009 EA 24" x 48", 0.039" Thickness, Carbon Fiber Plates.....	329.86	
06 51 33 00-0010 EA 38" x 48", 0.039" Thickness, Carbon Fiber Plates.....	494.99	
06 51 33 00-0011 EA 38" x 96", 0.039" Thickness, Carbon Fiber Plates.....	986.37	
06 51 33 00-0012 EA 6" x 6", 1/16" Thickness, Carbon Fiber Plates.....	23.99	
06 51 33 00-0013 EA 6" x 12", 1/16" Thickness, Carbon Fiber Plates.....	42.25	
06 51 33 00-0014 EA 6" x 24", 1/16" Thickness, Carbon Fiber Plates.....	72.58	
06 51 33 00-0015 EA 12" x 12", 1/16" Thickness, Carbon Fiber Plates.....	72.58	
06 51 33 00-0016 EA 12" x 24", 1/16" Thickness, Carbon Fiber Plates.....	129.13	
06 51 33 00-0017 EA 12" x 48", 1/16" Thickness, Carbon Fiber Plates.....	243.76	
06 51 33 00-0018 EA 24" x 24", 1/16" Thickness, Carbon Fiber Plates.....	244.40	
06 51 33 00-0019 EA 24" x 48", 1/16" Thickness, Carbon Fiber Plates.....	462.78	
06 51 33 00-0020 EA 38" x 48", 1/16" Thickness, Carbon Fiber Plates.....	700.42	
06 51 33 00-0021 EA 38" x 96", 1/16" Thickness, Carbon Fiber Plates.....	1,397.22	
06 51 33 00-0022 EA 6" x 6", 0.079" Thickness, Carbon Fiber Plates.....	28.82	
06 51 33 00-0023 EA 6" x 12", 0.079" Thickness, Carbon Fiber Plates.....	47.08	
06 51 33 00-0024 EA 6" x 24", 0.079" Thickness, Carbon Fiber Plates.....	83.45	
06 51 33 00-0025 EA 12" x 12", 0.079" Thickness, Carbon Fiber Plates.....	83.45	
06 51 33 00-0026 EA 12" x 24", 0.079" Thickness, Carbon Fiber Plates.....	166.59	
06 51 33 00-0027 EA 12" x 48", 0.079" Thickness, Carbon Fiber Plates.....	318.68	
06 51 33 00-0028 EA 24" x 24", 0.079" Thickness, Carbon Fiber Plates.....	319.32	
06 51 33 00-0029 EA 24" x 48", 0.079" Thickness, Carbon Fiber Plates.....	529.24	
06 51 33 00-0030 EA 38" x 48", 0.079" Thickness, Carbon Fiber Plates.....	804.34	
06 51 33 00-0031 EA 38" x 96", 0.079" Thickness, Carbon Fiber Plates.....	1,594.19	
06 51 33 00-0032 EA 6" x 6", 3/32" Thickness, Carbon Fiber Plates.....	32.45	
06 51 33 00-0033 EA 6" x 12", 3/32" Thickness, Carbon Fiber Plates.....	55.54	
06 51 33 00-0034 EA 6" x 24", 3/32" Thickness, Carbon Fiber Plates.....	91.91	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	91.91	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	169.01	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	317.48	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	318.12	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	607.79	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	919.14	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,832.25	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	37.28	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	67.62	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	195.59	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	373.06	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	373.70	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	709.29	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,075.02	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,140.39	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	36.07	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	64.00	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	108.83	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	182.30	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	353.73	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	354.37	
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	673.04	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,062.94	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,078.76	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	44.53	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	88.16	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	133.00	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	133.00	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	230.64	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	439.52	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	440.16	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	842.22	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,275.62	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,545.20	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	50.57	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	90.58	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	152.33	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	152.33	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	262.06	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	505.99	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	506.63	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	963.06	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,456.88	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	2,895.64	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	51.78	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	96.62	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	165.62	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	145.08	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	291.06	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	510.82	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	511.46	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	970.31	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,473.80	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	2,925.85	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	60.24	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	108.71	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	181.33	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	181.33	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	327.31	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	625.62	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	626.26	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,192.65	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,812.15	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,601.35	

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns** (06 52)**06 52 13 00-0001 Round Fiberglass Columns** (06 52 13)

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	18.94	6.98
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	26.85	10.15
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	31.05	11.42
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.60	11.95
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.61	13.80
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.39	13.22
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	40.19	14.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns	47.02	15.86
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns	63.22	16.92
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns	84.10	18.50
06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)		
06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column	19.92	6.98
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column	28.15	10.15
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column	32.69	11.42
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column	40.36	11.95
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column	49.21	13.85
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.38	13.22
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.52	14.28
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns	50.08	15.86
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns	69.10	16.92
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns	93.52	18.50
06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)		
06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns	137.03	15.86
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns	181.65	18.50
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns	231.60	21.15
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns	161.70	15.86
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns	194.31	18.50
06 52 13 00-0029 EA 12" Scamozzi Cap And Base For Fiberglass Columns	280.92	21.15
06 52 13 00-0030 EA 8" Corinthian Cap And Base For Fiberglass Columns	201.69	15.86
06 52 13 00-0031 EA 10" Corinthian Cap And Base For Fiberglass Columns	244.30	18.50
06 52 13 00-0032 EA 12" Corinthian Cap And Base For Fiberglass Columns	322.25	21.15
06 52 13 00-0033 EA 8" Temple Of Winds Cap And Base For Fiberglass Columns	139.03	15.86
06 52 13 00-0034 EA 10" Temple Of Winds Cap And Base For Fiberglass Columns	185.65	18.50
06 52 13 00-0035 EA 12" Temple Of Winds Cap And Base For Fiberglass Columns	235.60	21.15
06 52 13 00-0036 EA 8" Greek Erectheum Cap And Base For Fiberglass Columns	139.03	15.86
06 52 13 00-0037 EA 10" Greek Erectheum Cap And Base For Fiberglass Columns	166.99	18.50
06 52 13 00-0038 EA 12" Greek Erectheum Cap And Base For Fiberglass Columns	218.93	21.15
06 53 Plastic Decking (06 50)		
06 53 16 Plastic Stair Treads (06 53)		
06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)		
Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002 LF 1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	46.91	2.72
06 53 16 00-0003 LF 1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	63.66	3.27
06 53 16 00-0004 LF 2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	88.02	3.59
06 60 Plastic Fabrications (06)		
06 65 Plastic Trim (06 60)		
06 65 00 00-0001 Plastic Moldings (06 65)		
Note: All dimensions are nominal.		
06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0003 LF 3-1/2" High, Base, Plastic Molding	6.89	2.55
06 65 00 00-0004 LF 4-1/2" High, Base, Plastic Molding	8.43	3.19
06 65 00 00-0005 LF 3/4" x 1", Base Shoe, Plastic Molding	6.54	2.68
06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0007 LF 1" x 2" Cornice, Plastic Molding	6.43	2.55
06 65 00 00-0008 LF 1" x 4" Cornice, Plastic Molding	7.73	2.68
06 65 00 00-0009 LF 1" x 6" Cornice, Plastic Molding	10.15	2.80
06 65 00 00-0010 LF 1" x 8" Cornice, Plastic Molding	11.51	2.93
06 65 00 00-0011 LF 1" x 10" Cornice, Plastic Molding	13.07	3.06
06 65 00 00-0012 LF 1" x 12" Cornice, Plastic Molding	16.34	3.19
06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0014 LF 9/16" x 1-5/8" Crown Or Bed, Plastic Molding	10.45	2.55
06 65 00 00-0015 LF 9/16" x 2-1/4" Crown Or Bed, Plastic Molding	13.87	3.19
06 65 00 00-0016 LF 9/16" x 3-1/2" Crown Or Bed, Plastic Molding	14.38	3.19
06 65 00 00-0017 LF 9/16" x 3-5/8" Crown Or Bed, Plastic Molding	14.90	3.19
06 65 00 00-0018 LF 5/8" x 4-1/4" Crown Or Bed, Plastic Molding	19.26	3.82
06 65 00 00-0019 LF 11/16" x 4-5/8" Crown Or Bed, Plastic Molding	22.46	3.82
06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0021 LF 11/16" x 1-3/8" Dentil, Plastic Molding	9.09	2.55

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0022	LF		5/8" x 2-1/2" Dentil, Plastic Molding	10.06	2.55
06 65 00 00-0023	LF		1-3/8" x 3-3/8" Dentil, Plastic Molding	12.26	2.55
06 65 00 00-0024	LF		1-1/2" x 4-1/2" Dentil, Plastic Molding	16.06	2.55
06 65 00 00-0025			Cove, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0026	LF		3/8" x 3/8" Cove, Plastic Molding	3.65	1.40
06 65 00 00-0027	LF		1/2" x 1/2" Cove, Plastic Molding	3.91	1.40
06 65 00 00-0028	LF		5/8" x 5/8" Cove, Plastic Molding	5.08	1.65
06 65 00 00-0029	LF		3/4" x 3/4" Cove, Plastic Molding	5.08	1.65
06 65 00 00-0030	LF		15/16" x 15/16" Cove, Plastic Molding	6.22	1.65
06 65 00 00-0031	LF		9/16" x 1-3/4" Cove, Plastic Molding	8.04	1.92
06 65 00 00-0032	LF		11/16" x 2-3/4" Cove, Plastic Molding	10.45	1.92
06 65 00 00-0033			Chair Rail, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0034	LF		1/2" x 1-5/8" Chair Rail, Plastic Molding	5.96	1.92
06 65 00 00-0035	LF		5/8" x 2-1/2" Chair Rail, Plastic Molding	8.03	2.55
06 65 00 00-0036	LF		5/8" x 3-1/2" Chair Rail, Plastic Molding	9.51	2.55
06 65 00 00-0037			Door, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0038	LF		1-1/8" Wide, Door, Plastic Molding	5.47	2.30
06 65 00 00-0039	LF		1-1/8" Wide, Detailed Door, Plastic Molding	5.50	2.30
06 65 00 00-0040			Trim, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0041	LF		1/2" x 1/2" Quarter Round Trim, Plastic Molding	5.88	2.68
06 65 00 00-0042	LF		3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.23	2.68
06 65 00 00-0043	LF		1-1/4" x 2" Brick Mould, Plastic Molding	7.29	2.55
06 65 00 00-0044	LF		1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	8.32	2.55
06 65 00 00-0045	LF		11/16" x 1-5/8" Drip Cap, Plastic Molding	6.30	2.55
06 65 00 00-0046	LF		2-3/4" x 2" Water Table, Plastic Molding	9.07	2.55
06 65 00 00-0047	LF		3/8" x 2" Garage Door Stop, Plastic Molding	6.86	2.55
06 65 00 00-0048			Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)		
			Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF		1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.27	1.02
06 65 00 00-0050	LF		1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.04	1.15
06 65 00 00-0051	LF		1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	7.88	1.27
06 65 00 00-0052	LF		1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	9.46	1.30
06 65 00 00-0053	LF		1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	11.18	1.34
06 65 00 00-0054	LF		5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.19	1.02
06 65 00 00-0055	LF		5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	7.46	1.15
06 65 00 00-0056	LF		5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	9.46	1.27
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	11.62	1.30
06 65 00 00-0058	LF		5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	13.59	1.34
06 65 00 00-0059	LF		3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	11.12	1.30
06 65 00 00-0060	LF		5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	14.67	1.34
06 65 00 00-0061	SF		1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	7.82	1.15
06 65 00 00-0062	SF		3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	11.20	1.27
06 70 Structural Composites (06)					
06 74 Composite Gratings (06 70)					
06 74 13 Fiberglass Reinforced Gratings (06 74)					
06 74 13 00-0001			Molded Fiberglass Gratings And Coverings (06 74 13)		
06 74 13 00-0002			Vi-Corr Resin System (06 74 13 00-0001)		
			Note: Orange or dark gray.		
06 74 13 00-0003	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	46.50	1.96
06 74 13 00-0004	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	45.15	1.96
06 74 13 00-0005	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	59.06	1.96
06 74 13 00-0006	SF		2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	63.88	2.50
06 74 13 00-0007	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.82	1.96
06 74 13 00-0008	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.42	1.96
06 74 13 00-0009	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.41	1.96
06 74 13 00-0010	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	67.04	2.50
06 74 13 00-0011	SF		1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	44.11	1.57
06 74 13 00-0012	SF		1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	71.66	1.72
06 74 13 00-0013	SF		3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	98.31	1.89
06 74 13 00-0014			IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)		
06 74 13 00-0015	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.73	1.96
06 74 13 00-0016	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.99	1.96



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				06 74 13 00-0017 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.59	1.96
				06 74 13 00-0018 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	55.59	2.50
				06 74 13 00-0019 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	44.63	1.96
				06 74 13 00-0020 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	41.07	1.96
				06 74 13 00-0021 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	56.00	2.50
				06 74 13 00-0022 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	58.72	2.50
				06 74 13 00-0023 SF 1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.84	1.57
				06 74 13 00-0024 SF 1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	55.11	1.72
				06 74 13 00-0025 SF 3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	75.82	1.89
06 74 13 00-0026				Corvex Polyester Resin (06 74 13 00-0001) Note: Dark gray.		
				06 74 13 00-0027 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	36.19	1.96
				06 74 13 00-0028 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.74	1.96
				06 74 13 00-0029 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	42.21	1.96
				06 74 13 00-0030 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.48	2.50
				06 74 13 00-0031 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.59	1.96
				06 74 13 00-0032 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.13	1.96
				06 74 13 00-0033 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	45.00	1.96
				06 74 13 00-0034 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.87	2.50
				06 74 13 00-0035 SF 1/4" Corvex Polyester Resin, Fiberplate Covering	34.25	1.57
				06 74 13 00-0036 SF 1/2" Corvex Polyester Resin, Fiberplate Covering	54.86	1.72
				06 74 13 00-0037 SF 3/4" Corvex Polyester Resin, Fiberplate Covering	76.22	1.89
06 74 13 00-0038				XFR Extra Fire Retardant (06 74 13 00-0001)		
				06 74 13 00-0039 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.46	1.96
				06 74 13 00-0040 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.89	1.96
				06 74 13 00-0041 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	71.20	1.96
				06 74 13 00-0042 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.99	2.50
				06 74 13 00-0043 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.81	1.96
				06 74 13 00-0044 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	54.28	1.96
				06 74 13 00-0045 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.99	1.96
				06 74 13 00-0046 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	79.37	2.50
				06 74 13 00-0047 SF 1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	50.58	1.57
				06 74 13 00-0048 SF 1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	82.01	1.72
06 74 13 00-0049				ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
				06 74 13 00-0050 SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	54.84	1.96
				06 74 13 00-0051 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	53.16	1.96
				06 74 13 00-0052 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	69.28	1.96
				06 74 13 00-0053 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	74.17	2.50
				06 74 13 00-0054 SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	57.02	1.96
				06 74 13 00-0055 SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	55.64	1.96
				06 74 13 00-0056 SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	71.97	1.96
				06 74 13 00-0057 SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	76.89	2.50
				06 74 13 00-0058 SF 1/4" ELS Extremely Low Smoke Resin, Fiberplate Covering	56.58	1.57
				06 74 13 00-0059 SF 1/2" ELS Extremely Low Smoke Resin, Fiberplate Covering	102.29	1.72
06 74 13 00-0060				Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061				ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060) Note: For moderately corrosive environments, green.		
06 74 13 00-0062				1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
				06 74 13 00-0063 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	38.86	2.50
				06 74 13 00-0064 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.43	1.96
				06 74 13 00-0065 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	44.00	2.50
				06 74 13 00-0066 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.65	1.96
				06 74 13 00-0067 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	30.20	2.50
				06 74 13 00-0068 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	26.70	1.96
				06 74 13 00-0069 SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	34.67	2.50
				06 74 13 00-0070 SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	31.25	1.96
06 74 13 00-0071				1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
				06 74 13 00-0072 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	43.95	2.50
				06 74 13 00-0073 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	39.64	1.96
				06 74 13 00-0074 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	49.46	2.50
				06 74 13 00-0075 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.37	1.96
				06 74 13 00-0076 SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	38.58	2.50
				06 74 13 00-0077 SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	35.16	1.96
06 74 13 00-0078				2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
				06 74 13 00-0079 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.96	2.50
				06 74 13 00-0080 SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	42.07	2.50
				06 74 13 00-0081 SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	50.99	2.50

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0082	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	48.08	2.50
06 74 13 00-0083			VERF Vinyl Ester Resin System (06 74 13 00-0080)		
06 74 13 00-0084			1" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	41.18	1.96
06 74 13 00-0086	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.76	1.96
06 74 13 00-0087	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	46.37	1.96
06 74 13 00-0088	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	53.32	1.96
06 74 13 00-0089	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	31.48	1.96
06 74 13 00-0090	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	28.08	1.96
06 74 13 00-0091	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	36.22	1.96
06 74 13 00-0092	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.19	1.96
06 74 13 00-0093			1-1/2" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	45.26	1.96
06 74 13 00-0095	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	40.90	1.96
06 74 13 00-0096	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	51.82	1.96
06 74 13 00-0097	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	48.35	1.96
06 74 13 00-0098	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	40.62	1.96
06 74 13 00-0099	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	37.37	1.96
06 74 13 00-0100			2" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0101	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	39.91	2.50
06 74 13 00-0102	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.75	2.50
06 74 13 00-0103	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	53.73	2.50
06 74 13 00-0104	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	52.16	2.50
06 80 Composite Fabrications (06)					
06 82 Composite Trim (06 80)					
06 82 00 00-0001			Fiberglass Castings (06 82)		
06 82 00 00-0002			Fiberglass Angle, Equal Legs (06 82 00 00-0001)		
06 82 00 00-0003	LF		1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.50	3.27
06 82 00 00-0004	LF		1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	9.99	3.27
06 82 00 00-0005	LF		3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.17	3.91
06 82 00 00-0006	LF		3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.14	3.91
06 82 00 00-0007	LF		4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	20.27	3.91
06 82 00 00-0008	LF		4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	21.70	3.91
06 82 00 00-0009	LF		4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	23.62	3.91
06 82 00 00-0010	LF		4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	26.67	3.91
06 82 00 00-0011	LF		6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	64.69	4.89
06 82 00 00-0012	LF		6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	74.54	4.89
06 82 00 00-0013			Fiberglass Channels (06 82 00 00-0001)		
06 82 00 00-0014	LF		3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	10.95	4.89
06 82 00 00-0015	LF		3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.44	4.89
06 82 00 00-0016	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.57	5.54
06 82 00 00-0017	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	23.57	5.54
06 82 00 00-0018	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	37.41	5.54
06 82 00 00-0019	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	43.63	5.54
06 82 00 00-0020	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.09	5.54
06 82 00 00-0021	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	42.39	5.54
06 82 00 00-0022	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	53.43	7.61
06 82 00 00-0023	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	61.46	7.61
06 82 00 00-0024			Fiberglass Wide Flange Beams (06 82 00 00-0001)		
06 82 00 00-0025	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	32.14	6.52
06 82 00 00-0026	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	35.24	6.52
06 82 00 00-0027	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	41.21	7.83
06 82 00 00-0028	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	42.70	7.83
06 82 00 00-0029	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	66.98	9.79
06 82 00 00-0030	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	84.50	9.79
06 82 00 00-0031	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	150.57	11.96
06 82 00 00-0032	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	169.72	11.96
06 82 00 00-0033			Fiberglass Flat Sheet (06 82 00 00-0001)		
			Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF		1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	26.53	5.54
06 82 00 00-0035	SF		1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	27.75	5.54
06 82 00 00-0036	SF		1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	42.08	6.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	06 82 00 00-0037	SF		1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.59	6.52
	06 82 00 00-0038	SF		3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.28	7.83
	06 82 00 00-0039	SF		3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	67.05	7.83
	06 82 00 00-0040	SF		1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.38	9.79
	06 82 00 00-0041	SF		1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	92.33	9.79
06 82 00 00-0042				Fiberglass Bars (06 82 00 00-0001)		
06 82 00 00-0043				Square Bars (06 82 00 00-0042)		
	06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.68	3.91
	06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	22.70	5.76
	06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	26.66	7.61
06 82 00 00-0047				Round Bars (06 82 00 00-0042)		
	06 82 00 00-0048	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	9.94	3.27
	06 82 00 00-0049	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	21.69	4.89
	06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	24.65	4.89
	06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	32.96	4.89
	06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.43	5.54
06 82 00 00-0053				Fiberglass Tubes (06 82 00 00-0001)		
06 82 00 00-0054				Square Tube (06 82 00 00-0053)		
	06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.28	3.27
	06 82 00 00-0056	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.24	3.27
	06 82 00 00-0057	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	16.85	3.91
	06 82 00 00-0058	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.54	3.91
	06 82 00 00-0059	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	32.59	4.89
	06 82 00 00-0060	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.50	4.89
	06 82 00 00-0061	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	38.33	5.88
	06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.21	5.88
06 82 00 00-0063				Round Tube (06 82 00 00-0053)		
	06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	10.77	3.27
	06 82 00 00-0065	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.21	3.27
	06 82 00 00-0066	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.61	3.91
	06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	22.05	3.91
06 82 00 00-0068				Fiberglass Threaded Rods (06 82 00 00-0001)		
	06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.91	2.50
	06 82 00 00-0070	LF		1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.91	2.50
	06 82 00 00-0071	LF		5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.26	2.83
	06 82 00 00-0072	LF		3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.18	2.83
	06 82 00 00-0073	LF		1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.36	2.83
06 82 00 00-0074				Grating Support Legs, VEFR Resin (06 82 00 00-0001)		
	06 82 00 00-0075	EA		Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	14.90	
	06 82 00 00-0076	EA		Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.38	
	06 82 00 00-0077	EA		Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	24.00	
06 82 00 00-0078				Fiberglass Netting (06 82 00 00-0001)		
	06 82 00 00-0079	SF		1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.76	0.36
	06 82 00 00-0080	SF		1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.76	0.36
	06 82 00 00-0081	SF		3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.76	0.36
	06 82 00 00-0082	SF		7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.76	0.36
	06 82 00 00-0083	SF		1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.76	0.36
	06 82 00 00-0084	SF		1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.75	0.36
	06 82 00 00-0085	SF		1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.75	0.36
	06 82 00 00-0086	SF		3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.75	0.36
	06 82 00 00-0087	SF		7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.75	0.36
	06 82 00 00-0088	SF		1" x 1" Mesh, Green Flexible Fiberglass Netting	0.75	0.36
06 82 00 00-0089				Fiberglass Stair Treads (06 82)		
06 82 00 00-0090				Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091				10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
	06 82 00 00-0092	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	108.59	17.07
	06 82 00 00-0093	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	127.23	17.07
	06 82 00 00-0094	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	145.89	17.07
	06 82 00 00-0095	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	164.53	17.07
	06 82 00 00-0096	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	119.78	17.07
	06 82 00 00-0097	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	141.22	17.07

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0098	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	162.67	17.07
06 82 00 00-0099	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	184.11	17.07
06 82 00 00-0100	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	136.93	17.07
06 82 00 00-0101	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	162.67	17.07
06 82 00 00-0102	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	188.40	17.07
06 82 00 00-0103	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	214.14	17.07
06 82 00 00-0104			12" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>		
06 82 00 00-0105	EA		1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	119.25	17.07
06 82 00 00-0106	EA		1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	140.56	17.07
06 82 00 00-0107	EA		1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	161.88	17.07
06 82 00 00-0108	EA		1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	183.19	17.07
06 82 00 00-0109	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	132.04	17.07
06 82 00 00-0110	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	156.54	17.07
06 82 00 00-0111	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	181.06	17.07
06 82 00 00-0112	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	205.57	17.07
06 82 00 00-0113	EA		2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	151.64	17.07
06 82 00 00-0114	EA		2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	181.05	17.07
06 82 00 00-0115	EA		2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	210.47	17.07
06 82 00 00-0116	EA		2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	239.88	17.07
06 82 00 00-0117			Other Fiberglass <small>(06 82)</small>		
06 82 00 00-0118			Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>		
06 82 00 00-0119	EA		Standard Size Fiberglass Splash Block.....	18.54	3.60
06 83 Composite Paneling					
06 83 16 Fiberglass Reinforced Paneling					
06 83 16 00-0001			Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83 16)</small>		
			Note: Includes adhesive and trim.		
06 83 16 00-0002	SF		Fiberglass Reinforced Polyester (FRP) Paneling.....	3.77	1.80
			Note: Including Adhesive And Trim		

END OF SECTION 06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection ⁽⁰⁷⁾

07 01 50 Maintenance of Membrane Roofing ^(07 01)

07 01 50 19 Preparation for Re-Roofing ^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing ^(07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	80.97
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	141.67

07 01 50 81 Roof Replacement ^(07 01 50)

07 01 50 81-0001 Roof Repair ^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	23.85
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	21.26
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	19.28
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	17.94
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	26.61
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	24.01
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	22.03
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	20.69
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	21.11
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	18.78
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	17.08
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	16.01
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	8.12

07 01 50 81-0015 Emergency Roof Patch ^(07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	94.79
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	793.73

07 01 50 81-0018 Adhesives ^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer ^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only ^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint	5.21
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2.25

07 01 50 91 Roofing Restoration ^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing ^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.16
		<i>For Up To 100, Add</i>	<i>0.12</i>
		<i>For >100 To 250, Add</i>	<i>0.06</i>
		<i>For >250 To 500, Add</i>	<i>0.02</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.01</i>
		<i>For >10,000 To 15,000, Deduct</i>	<i>-0.02</i>
		<i>For >15,000 To 30,000, Deduct</i>	<i>-0.02</i>
		<i>For >30,000, Deduct</i>	<i>-0.03</i>

07 05 Common Work Results for Thermal and Moisture Protection ⁽⁰⁷⁾

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,590.02
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,189.66
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	795.01
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	396.56

07 10 Dampproofing and Waterproofing ⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing**

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

the absence of hydrostatic pressure.

07 11 Dampproofing (07 10)**07 11 13 Bituminous Dampproofing** (07 11)**07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray** (07 11 13)

07 11 13 00-0002	CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	195.72	
07 11 13 00-0003	CSF 2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	301.55	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)

07 11 13 00-0005	CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	336.20	
07 11 13 00-0006	CSF Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	521.11	

07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)

07 11 13 00-0008	CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	157.42	
07 11 13 00-0009	CSF 2 Coats, Brushed On, Asphaltic Paint Dampproofing	291.01	

07 11 19 Sheet Dampproofing (07 11)**07 11 19 00-0001 Neoprene** (07 11 19)

07 11 19 00-0002	SF 1/16" Patch Neoprene Roof (5 To 20 SF)	41.75	
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07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing** (07 13)**07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped** (07 13)

07 13 13 00-0002	CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	356.90	127.17
	<i>For 30 LB Felt, Add</i>	76.93	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-38.15	
07 13 13 00-0003	CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	447.52	143.06
	<i>For 30 LB Felt, Add</i>	121.05	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-42.92	
07 13 13 00-0004	CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	538.15	158.95
	<i>For 30 LB Felt, Add</i>	165.18	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-47.69	
07 13 13 00-0005	CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	628.77	174.86
	<i>For 30 LB Felt, Add</i>	209.30	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-52.46	
07 13 13 00-0006	CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	719.40	190.75
	<i>For 30 LB Felt, Add</i>	253.43	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-57.23	

07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)

07 13 13 00-0008	CSF 1/8" Asphalt Coated Protective Board	308.85	127.39
	<i>For Application To Horizontal Surfaces, Deduct</i>	-42.49	
07 13 13 00-0009	CSF 1/4" Asphalt Coated Protective Board	390.81	132.29
	<i>For Application To Horizontal Surfaces, Deduct</i>	-44.10	
07 13 13 00-0010	CSF 3/8" Asphalt Coated Protective Board	489.43	137.85
	<i>For Application To Horizontal Surfaces, Deduct</i>	-45.93	
07 13 13 00-0011	CSF 1/2" Asphalt Coated Protective Board	541.19	143.40
	<i>For Application To Horizontal Surfaces, Deduct</i>	-47.81	

07 13 53 Elastomeric Sheet Waterproofing (07 13)**07 13 53 00-0001 Rubberized Membrane Sheet** (07 13 53)

07 13 53 00-0002	SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	8.13	1.33
	<i>For Floor Surfaces, Deduct</i>	-1.28	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)

07 13 53 00-0004	CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	531.09	185.80
	<i>For Application To Horizontal Surfaces, Deduct</i>	-55.73	
07 13 53 00-0005	CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	604.73	185.80
	<i>For Application To Horizontal Surfaces, Deduct</i>	-55.73	

07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)

07 13 53 00-0007	CSF 1/32" Butyl Sheet Waterproofing	106.32	46.45
	<i>For Joint Taping, Add</i>	16.02	
	<i>For Each Additional Ply, Add</i>	79.08	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing.....	125.34	46.45
<i>For Joint Taping, Add</i>	16.97	
<i>For Each Additional Ply, Add</i>	92.39	
<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	
07 13 53 00-0009 Butyl With Nylon (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon.....	117.20	46.45
<i>For Joint Taping, Add</i>	16.56	
<i>For Each Additional Ply, Add</i>	86.69	
<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon.....	129.43	46.45
<i>For Joint Taping, Add</i>	17.18	
<i>For Each Additional Ply, Add</i>	95.26	
<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	
07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing.....	179.76	46.45
<i>For Joint Taping, Add</i>	19.69	
<i>For Each Additional Ply, Add</i>	130.49	
<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing.....	260.73	46.45
<i>For Joint Taping, Add</i>	23.74	
<i>For Each Additional Ply, Add</i>	187.17	
<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	
07 13 53 00-0015 Neoprene With Nylon (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon.....	188.21	46.45
<i>For Joint Taping, Add</i>	20.11	
<i>For Each Additional Ply, Add</i>	136.40	
<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon.....	274.23	46.45
<i>For Joint Taping, Add</i>	24.42	
<i>For Each Additional Ply, Add</i>	196.62	
<i>For Application To Horizontal Surfaces, Deduct</i>	-6.98	
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier.....	41.73	15.56
<i>For Joint Taping, Add</i>	10.01	
<i>For Each Additional Ply, Add</i>	32.65	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier.....	42.60	15.56
<i>For Joint Taping, Add</i>	10.05	
<i>For Each Additional Ply, Add</i>	33.26	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier.....	69.58	15.56
<i>For Joint Taping, Add</i>	11.40	
<i>For Each Additional Ply, Add</i>	52.15	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite.....	104.53	15.56
Note: Includes seam tape, liquid mastic, anchors and termination bar.		
<i>For Each Additional Ply, Add</i>	77.00	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.74	
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	48.44	17.22
<i>For Joint Taping, Add</i>	10.34	
<i>For Each Additional Ply, Add</i>	37.35	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.16	
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	59.94	17.85
<i>For Joint Taping, Add</i>	11.22	
<i>For Each Additional Ply, Add</i>	45.53	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.36	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	75.19	18.50
<i>For Joint Taping, Add</i>	12.26	
<i>For Each Additional Ply, Add</i>	56.33	
<i>For Application To Horizontal Surfaces, Deduct</i>	-5.55	
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028 CSF 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	49.11	15.95

07 14 Fluid-Applied Waterproofing (07 10)

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	2.65	
Note: Includes primer.		
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.24	
<i>For Reinforcing Fabric, Add</i>	0.59	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	3.09	
Note: Includes primer.		
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.26	
<i>For Reinforcing Fabric, Add</i>	0.59	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002 SF 60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	4.47	
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.56	
07 14 16 00-0003 SF 90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	5.03	
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.59	
07 14 16 00-0004 SF 120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	5.63	
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.63	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006 SF 15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer.....	3.13	
07 14 16 00-0007 Copolymer Compound (07 14 16)		
07 14 16 00-0008 SF 32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	4.98	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010 CSF 1/8" Fiberglass Reinforced, Fluid Applied Neoprene	602.90	
<i>For Application To Horizontal Surfaces, Deduct</i>	-67.68	
07 14 16 00-0011 CSF 50 Mil, 4 Coats, Fluid Applied Neoprene.....	1,120.96	
<i>For Application To Horizontal Surfaces, Deduct</i>	-132.78	
07 14 16 00-0012 CSF 90 Mil, 4 Coats, Fluid Applied Neoprene.....	1,798.67	
<i>For Application To Horizontal Surfaces, Deduct</i>	-199.06	
07 16 Cementitious and Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	4.81	
Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		
07 16 16 Crystalline Waterproofing (07 16)		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	6.43	
07 16 19 Metal Oxide Waterproofing (07 16)		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	518.31	
<i>For Application To Horizontal Surfaces, Deduct</i>	-65.21	
07 17 Bentonite Waterproofing (07 10)		
07 17 13 Bentonite Panel Waterproofing (07 17)		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels.....	475.47	152.00
<i>For Application To Horizontal Surfaces, Deduct</i>	-45.61	
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels	448.85	160.60
<i>For Application To Horizontal Surfaces, Deduct</i>	-49.36	
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels	585.18	167.47
<i>For Application To Horizontal Surfaces, Deduct</i>	-50.23	
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled.....	474.35	139.30
<i>For Application To Horizontal Surfaces, Deduct</i>	-41.77	
07 18 Traffic Coatings (07 10)		
07 18 13 Pedestrian Traffic Coatings (07 18)		
07 18 13 00-0001 Pedestrian Traffic Coating (07 18 13)		
Note: Gaco Western		
07 18 13 00-0002 SF GACOCRETE A-17, Acrylic Elastomeric Coating	3.41	
07 18 13 00-0003 SF Silicone Enhanced A-30, Acrylic Elastomeric Coating	2.95	
<i>For >2,000, Deduct</i>	-0.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 13 00-0004 SF Quick Set A-31, Acrylic Elastomeric Coating	2.77	
07 18 13 00-0005 SF A-32, Acrylic Elastomeric Coating.....	3.07	
For >2,000, Deduct	-0.36	
07 18 13 00-0006 SF Liquid Seam Tape A-3611, Acrylic Elastomeric Coating.....	3.18	
For >2,000, Deduct	-0.40	
07 18 13 00-0007 SF A-38, Acrylic Elastomeric Coating.....	3.13	
07 18 13 00-0008 SF Acrylic Primer A-4121	2.25	
07 18 13 00-0009 SF Two Component Epoxy Emulsion Primer Filler E-5320	3.64	
07 18 13 00-0010 SF Two Component Epoxy Rust Inhibiting Primer E-5388	4.16	
07 18 13 00-0011 SF Two Component 100% Solids Primer E-5481	4.49	
07 18 13 00-0012 SF Hypalon Roof Coating H-25	4.05	
07 18 13 00-0013 SF Neoprene Adhesive N-1207	3.23	
07 18 13 00-0014 SF GACOSIL S-10 Silicone.....	3.52	
For >2,000, Deduct	-0.52	
07 18 13 00-0015 SF GACOSIL S-20 Silicone.....	3.61	
For >2,000, Deduct	-0.55	
07 18 13 00-0016 SF Urethane Primer/Sealer U-5677	2.40	
07 18 13 00-0017 SF Single Component Polyurethane Coating, Ure-Shield Aluminum U-6006	3.29	
For >2,000, Deduct	-0.44	
07 18 13 00-0018 SF Two Component Polyurethane Coating U-62	4.92	
For >2,000, Deduct	-0.77	
07 18 13 00-0019 SF Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	4.37	
07 18 13 00-0020 SF Two Component Polyurethane Coating U-66	4.86	
07 18 13 00-0021 SF Two Component Polyurethane Coating U-8730	4.55	
07 18 13 00-0022 SF Two Component Polyurethane Coating U-8782	4.49	
07 18 13 00-0023 SF Two Component Polyurethane Aliphatic Coating UA-60	5.47	
07 18 13 00-0024 SF Two Component Polyurethane Aliphatic Coating UA-7090	6.68	
07 18 13 00-0025 SF Two Component Polyurethane Base Coating UB-64	4.31	
07 18 13 00-0026 SF Two Component Polyurethane Base Coating UB-8380.....	4.25	
07 18 13 00-0027 SF Etching Detergent D-09	2.44	
07 18 13 00-0028 LB GacoShell Granules Additive To Coating	2.34	
07 18 13 00-0029 LB Quartz Granules Additive To Coating	2.11	
07 18 13 00-0030 LF 4" Polyester Reinforcing Tape, 66-B.....	0.23	
07 18 13 00-0031 LF 6" Polyester Reinforcing Tape, 66-B.....	0.29	
07 18 13 00-0032 LF 4" Sontara Polyester Reinforcing Tape, 66-S	0.36	
07 18 13 00-0033 LF 6" Sontara Polyester Reinforcing Tape, 66-S	0.49	
07 18 13 00-0034 LF 2" Metal Roof Seam Sealing Tape, 66-MR	1.00	
07 18 13 00-0035 LF 3" Metal Roof Seam Sealing Tape, 66-MR	1.55	
07 18 13 00-0036 LF 4" Metal Roof Seam Sealing Tape, 66-MR.....	1.91	
07 18 13 00-0037 LF 6" Metal Roof Seam Sealing Tape, 66-MR	2.73	
07 18 13 00-0038 GAL Polyurethane Coating Thinner T-5106.....	54.71	
07 18 13 00-0039 GAL Compliant Thinner T-5110	113.97	
07 18 13 00-0040 GAL Regular Thinner T-5112.....	31.91	
07 18 13 00-0041 GAL Polyurethane Coating Thinner T-5116.....	41.03	
07 18 13 00-0042 GAL Polyurethane Troweling Thinner T-5118.....	50.15	
07 18 13 00-0043 GAL Compliant Thinner T-5125	54.71	
07 18 13 00-0044 GAL Fast Polyurethane Coating Thinner T-5130.....	41.03	
07 18 13 00-0045 GAL Silicone And U-62 Polyurethane Coating Thinner T-5135	41.03	

07 18 16 Vehicular Traffic Coatings (07 18)

07 18 16 00-0001 Preparation For Vehicular Traffic Coating (07 18 16)		
See CSI section 03 01 30 71-0027 for crack repairs, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0002 SF Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.21	
07 18 16 00-0003 SF Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.65	

07 18 16 00-0004 Vehicular Traffic Coating (Sika) (07 18 16)

Note: Excludes surface preparaion, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0027 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.		
07 18 16 00-0005 SF 23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720).....	3.93	
Note: Excludes crack repair or caulking.		
07 18 16 00-0006 SF 12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.42	
Note: Excludes crack repair or caulking.		
07 18 16 00-0007 SF 14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.57	
Note: Excludes crack repair or caulking.		
07 18 16 00-0008 SF 16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.73	
Note: Excludes crack repair or caulking.		
07 18 16 00-0009 SF 18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.87	
Note: Excludes crack repair or caulking.		
07 18 16 00-0010 SF 14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.76	
Note: Excludes crack repair or caulking.		
07 18 16 00-0011 SF 16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.99	
Note: Excludes crack repair or caulking.		

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 18 Traffic Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 18 16 00-0012	SF		18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured).....	3.24	
Note: Excludes crack repair or caulking.					

07 19 Water Repellents (07 10)**07 19 13 Acrylic Sealer (07 19)**

Note: Per coat.

07 19 13 00-0001	SF		Spray On Concrete, Acrylic Sealer	2.88	
07 19 13 00-0002	SF		Spray On Concrete Block/Brick, Acrylic Sealer.....	3.42	
07 19 13 00-0003	SF		Spray On Stone, Acrylic Sealer	3.76	

07 19 16 Silane Water Repellents (07 19)**07 19 16 00-0001 Silane Concrete Sealer (07 19 16)**

07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.76	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	1.13	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)

07 19 16 00-0005	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.32	
Note: 40% silane, alcohol based.					
07 19 16 00-0006	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.93	
Note: 40% silane, alcohol based.					
07 19 16 00-0007	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.51	
Note: 200 SF/GAL					
07 19 16 00-0008	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.74	

07 20 Thermal Protection (07)**07 21 Thermal Insulation (07 20)****07 21 13 Board Insulation (07 21)**

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation (07 21 13)**07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation (07 21 13 13)****07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)**

07 21 13 13-0003	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.26	0.44
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0004	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	5.96	0.44
For Horizontal Surface Application, Deduct				-0.08	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0005	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	7.09	0.45
For Horizontal Surface Application, Deduct				-0.08	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0006	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	9.36	0.46
For Horizontal Surface Application, Deduct				-0.08	
For Vapor Barrier, Integral With Insulation, Add				0.05	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0008	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.89	0.43
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0009	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.97	0.43
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0010	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.24	0.43
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0011	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.52	0.44
For Horizontal Surface Application, Deduct				-0.07	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0012	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.62	0.45
For Horizontal Surface Application, Deduct				-0.08	
For Vapor Barrier, Integral With Insulation, Add				0.05	
07 21 13 13-0013	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.72	0.46
For Horizontal Surface Application, Deduct				-0.08	
For Vapor Barrier, Integral With Insulation, Add				0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0014 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.81	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0015 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	6.91	0.48
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0016 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.01	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0001)</small>		
Note: 15 PSI compressive strength.		
07 21 13 13-0018 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.16	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.23	
<i>For 40 PSI Compressive Strength, Add</i>	0.54	
<i>For 60 PSI Compressive Strength, Add</i>	0.87	
<i>For 115 PSI Compressive Strength, Add</i>	3.75	
07 21 13 13-0019 SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.53	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.29	
<i>For 40 PSI Compressive Strength, Add</i>	0.68	
<i>For 60 PSI Compressive Strength, Add</i>	1.08	
<i>For 115 PSI Compressive Strength, Add</i>	4.70	
07 21 13 13-0020 SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.83	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For 40 PSI Compressive Strength, Add</i>	0.80	
<i>For 60 PSI Compressive Strength, Add</i>	1.25	
<i>For 115 PSI Compressive Strength, Add</i>	5.47	
07 21 13 13-0021 SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.91	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.35	
<i>For 40 PSI Compressive Strength, Add</i>	0.82	
<i>For 60 PSI Compressive Strength, Add</i>	1.30	
<i>For 115 PSI Compressive Strength, Add</i>	5.65	
07 21 13 13-0022 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.41	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.58	
<i>For 40 PSI Compressive Strength, Add</i>	1.39	
<i>For 60 PSI Compressive Strength, Add</i>	2.16	
<i>For 115 PSI Compressive Strength, Add</i>	9.46	
07 21 13 13-0023 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	5.91	0.46
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.82	
<i>For 40 PSI Compressive Strength, Add</i>	1.95	
<i>For 60 PSI Compressive Strength, Add</i>	3.01	
<i>For 115 PSI Compressive Strength, Add</i>	13.26	
07 21 13 13-0024 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	6.66	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.94	
<i>For 40 PSI Compressive Strength, Add</i>	2.23	
<i>For 60 PSI Compressive Strength, Add</i>	3.44	
<i>For 115 PSI Compressive Strength, Add</i>	15.16	
07 21 13 13-0025 Mechanically Fastened Foam Board Insulation <small>(07 21 13 13)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation <small>(07 21 13 13-0025)</small>		
Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	4.24	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 21 13 13-0028	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	6.04	0.44
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 13-0029	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	7.17	0.45
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 21 13 13-0030	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	9.54	0.46
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 21 13 13-0031	Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
07 21 13 13-0032	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.86	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 13-0033	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.94	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 13-0034	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.21	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 13-0035	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.49	0.44
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0036 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.70	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 21 13 13-0037 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.89	0.46
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 21 13 13-0038 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.16	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.85	
07 21 13 13-0039 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.46	0.48
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.72	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	8.91	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 21 13 13-0040 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.80	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0025)</small>		
<small>Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.</small>		
07 21 13 13-0042 SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.13	0.43
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.20	
<i>For 40 PSI Compressive Strength, Add</i>	0.48	
<i>For 60 PSI Compressive Strength, Add</i>	0.77	
<i>For 115 PSI Compressive Strength, Add</i>	3.33	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13	13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.51	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.26	
			<i>For 40 PSI Compressive Strength, Add</i>	0.62	
			<i>For 60 PSI Compressive Strength, Add</i>	0.99	
			<i>For 115 PSI Compressive Strength, Add</i>	4.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13	13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.81	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.74	
			<i>For 60 PSI Compressive Strength, Add</i>	1.17	
			<i>For 115 PSI Compressive Strength, Add</i>	5.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13	13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.89	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
			<i>For 40 PSI Compressive Strength, Add</i>	0.76	
			<i>For 60 PSI Compressive Strength, Add</i>	1.21	
			<i>For 115 PSI Compressive Strength, Add</i>	5.25	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13	13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.49	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
			<i>For 40 PSI Compressive Strength, Add</i>	1.36	
			<i>For 60 PSI Compressive Strength, Add</i>	2.12	
			<i>For 115 PSI Compressive Strength, Add</i>	9.29	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 21 13	13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.08	0.46
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.82	
			<i>For 40 PSI Compressive Strength, Add</i>	1.96	
			<i>For 60 PSI Compressive Strength, Add</i>	3.03	
			<i>For 115 PSI Compressive Strength, Add</i>	13.33	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0048 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	7.01	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.97	
<i>For 40 PSI Compressive Strength, Add</i>	2.30	
<i>For 60 PSI Compressive Strength, Add</i>	3.56	
<i>For 115 PSI Compressive Strength, Add</i>	15.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.85	
07 21 13 16 Fibrous Board Insulation (07 21 13)		
07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0003 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.72	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0004 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.01	0.67
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0005 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.29	0.78
<i>For Horizontal Surface Application, Deduct</i>	-0.13	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0007 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.91	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0008 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.74	0.44
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0009 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.08	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0010 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.17	0.45
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0011 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.26	0.46
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation (07 21 13 16) Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012) Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.56	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.94	0.67
		<i>For Horizontal Surface Application, Deduct</i>	-0.11	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	5.32	0.78
		<i>For Horizontal Surface Application, Deduct</i>	-0.13	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 21 13 16-0017		Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)		
		Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.88	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	5.82	0.44
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.16	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	8.36	0.45
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.28	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0022 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	9.44	0.46
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 21 13 19 Mineral Board Insulation (07 21 13)		
07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation		
(07 21 13 19-0001)		
07 21 13 19-0003 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.07	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.46	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.86	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.57	0.61
<i>For Horizontal Surface Application, Deduct</i>	-0.10	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.28	0.67
<i>For Horizontal Surface Application, Deduct</i>	-0.11	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.70	0.78
<i>For Horizontal Surface Application, Deduct</i>	-0.13	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation (07 21 13 19)		
Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation		
(07 21 13 19-0009)		
Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011 SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.90	0.49
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 19-0012 SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.29	0.52
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 19-0013 SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.69	0.55
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.57	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0014	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.50	0.61
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 21 13 19-0015	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	4.21	0.67
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.63	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 21 13 19-0016	SF		3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	5.72	0.78
			<i>For Horizontal Surface Application, Deduct</i>	-0.13	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001			Fiberglass Flexible Insulation (07 21 16)		
			Note: Rolls or batts.		
07 21 16 00-0002			Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003	SF		3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.46	0.49
			<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0004	SF		3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.55	0.49
			<i>For >1,600, Deduct</i>	-0.16	
07 21 16 00-0005	SF		3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.59	0.49
			<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0006	SF		5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.04	0.49
			<i>For >1,600, Deduct</i>	-0.26	
07 21 16 00-0007	SF		6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.78	0.49
			<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0008	SF		9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.41	0.62
			<i>For >1,600, Deduct</i>	-0.30	
07 21 16 00-0009	SF		12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.74	0.62
			<i>For >1,600, Deduct</i>	-0.34	
07 21 16 00-0010			Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0011	SF		3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.39	0.49
			<i>For >1,600, Deduct</i>	-0.13	
07 21 16 00-0012	SF		3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.50	0.49
			<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0013	SF		3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.93	0.49
			<i>For >1,600, Deduct</i>	-0.24	
07 21 16 00-0014	SF		5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.97	0.49
			<i>For >1,600, Deduct</i>	-0.24	
07 21 16 00-0015	SF		6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.73	0.49
			<i>For >1,600, Deduct</i>	-0.19	
07 21 16 00-0016	SF		9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.28	0.62
			<i>For >1,600, Deduct</i>	-0.28	
07 21 16 00-0017	SF		12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	2.66	0.62
			<i>For >1,600, Deduct</i>	-0.33	
07 21 16 00-0018			Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation.....	1.63	0.49
			<i>For >1,600, Deduct</i>	-0.18	
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation.....	1.80	0.49
			<i>For >1,600, Deduct</i>	-0.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0021 SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation .....2.01	2.01	0.49
<i>For >1,600, Deduct</i>	-0.24	
07 21 16 00-0022 SF 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation .....2.80	2.80	0.62
<i>For >1,600, Deduct</i>	-0.36	
07 21 16 00-0023 SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation .....3.05	3.05	0.62
<i>For >1,600, Deduct</i>	-0.40	
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025 SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation .....1.49	1.49	0.49
<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0026 SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation .....1.59	1.59	0.49
<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0027 SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation .....2.10	2.10	0.49
<i>For >1,600, Deduct</i>	-0.27	
07 21 16 00-0028 SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation .....1.79	1.79	0.49
<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0029 SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation .....2.33	2.33	0.62
<i>For >1,600, Deduct</i>	-0.30	
07 21 16 00-0030 SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation .....2.66	2.66	0.62
<i>For >1,600, Deduct</i>	-0.33	
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033 SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation .....1.60	1.60	0.49
<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0034 SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation .....2.08	2.08	0.49
<i>For >1,600, Deduct</i>	-0.26	
07 21 16 00-0035 SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation .....3.14	3.14	0.49
<i>For >1,600, Deduct</i>	-0.45	
07 21 16 00-0036 SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation .....3.73	3.73	0.49
<i>For >1,600, Deduct</i>	-0.54	
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation .....1.51	1.51	0.49
<i>For >1,600, Deduct</i>	-0.16	
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation .....1.92	1.92	0.49
<i>For >1,600, Deduct</i>	-0.23	
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation .....2.85	2.85	0.49
<i>For >1,600, Deduct</i>	-0.39	
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation .....3.38	3.38	0.49
<i>For >1,600, Deduct</i>	-0.47	
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043 UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)		
Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch™ Natural Cotton Insulation .....2.11	2.11	0.49
<i>For >1,600, Deduct</i>	-0.28	
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch™ Natural Cotton Insulation .....2.34	2.34	0.49
<i>For >1,600, Deduct</i>	-0.32	
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch™ Natural Cotton Insulation .....2.58	2.58	0.49
<i>For >1,600, Deduct</i>	-0.37	
07 21 16 00-0047 SF 8", R-30 UltraTouch™ Natural Cotton Insulation .....3.39	3.39	0.49
<i>For >1,600, Deduct</i>	-0.51	
07 21 19 Foamed-In-Place Insulation (07 21)		
07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002 EA Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge .....1,509.10	1,509.10	
Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
07 21 19 00-0003 SF 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....1.55	1.55	
<i>For Up To 250 SF, Add</i>	0.59	
<i>For >250 To 500 SF, Add</i>	0.29	
<i>For >500 To 1,000 SF, Add</i>	0.12	
<i>For >5,000 To 10,000 SF, Deduct</i>	-0.19	
<i>For >10,000 SF, Deduct</i>	-0.47	
07 21 19 00-0004 SF 1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....2.09	2.09	
<i>For Up To 250 SF, Add</i>	0.77	
<i>For >250 To 500 SF, Add</i>	0.38	
<i>For >500 To 1,000 SF, Add</i>	0.16	
<i>For >5,000 To 10,000 SF, Deduct</i>	-0.24	
<i>For >10,000 SF, Deduct</i>	-0.60	

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0005	SF	2"	Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.62	
			<i>For Up To 250 SF, Add</i>	0.94	
			<i>For >250 To 500 SF, Add</i>	0.47	
			<i>For >500 To 1,000 SF, Add</i>	0.20	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.30	
			<i>For >10,000 SF, Deduct</i>	-0.74	
07 21 19 00-0006	SF	2-1/2"	Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.16	
			<i>For Up To 250 SF, Add</i>	1.12	
			<i>For >250 To 500 SF, Add</i>	0.56	
			<i>For >500 To 1,000 SF, Add</i>	0.24	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.36	
			<i>For >10,000 SF, Deduct</i>	-0.88	
07 21 19 00-0007	SF	3"	Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.70	
			<i>For Up To 250 SF, Add</i>	1.29	
			<i>For >250 To 500 SF, Add</i>	0.65	
			<i>For >500 To 1,000 SF, Add</i>	0.28	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.42	
			<i>For >10,000 SF, Deduct</i>	-1.02	
07 21 19 00-0008	SF	3-1/2"	Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.25	
			<i>For Up To 250 SF, Add</i>	1.47	
			<i>For >250 To 500 SF, Add</i>	0.74	
			<i>For >500 To 1,000 SF, Add</i>	0.32	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.47	
			<i>For >10,000 SF, Deduct</i>	-1.16	
07 21 19 00-0009	SF	4"	Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.79	
			<i>For Up To 250 SF, Add</i>	1.65	
			<i>For >250 To 500 SF, Add</i>	0.83	
			<i>For >500 To 1,000 SF, Add</i>	0.36	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.53	
			<i>For >10,000 SF, Deduct</i>	-1.30	
07 21 19 00-0010	SF	4-1/2"	Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.33	
			<i>For Up To 250 SF, Add</i>	1.83	
			<i>For >250 To 500 SF, Add</i>	0.91	
			<i>For >500 To 1,000 SF, Add</i>	0.39	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.59	
			<i>For >10,000 SF, Deduct</i>	-1.43	
07 21 19 00-0011	SF	5"	Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.87	
			<i>For Up To 250 SF, Add</i>	2.01	
			<i>For >250 To 500 SF, Add</i>	1.00	
			<i>For >500 To 1,000 SF, Add</i>	0.43	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.65	
			<i>For >10,000 SF, Deduct</i>	-1.57	
07 21 19 00-0012	SF	5-1/2"	Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.41	
			<i>For Up To 250 SF, Add</i>	2.18	
			<i>For >250 To 500 SF, Add</i>	1.09	
			<i>For >500 To 1,000 SF, Add</i>	0.47	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.71	
			<i>For >10,000 SF, Deduct</i>	-1.71	
07 21 19 00-0013	SF	6"	Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.95	
			<i>For Up To 250 SF, Add</i>	2.36	
			<i>For >250 To 500 SF, Add</i>	1.18	
			<i>For >500 To 1,000 SF, Add</i>	0.51	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.76	
			<i>For >10,000 SF, Deduct</i>	-1.85	
07 21 19 00-0014	SF	1"	Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	2.97	
			<i>For Up To 250 SF, Add</i>	1.11	
			<i>For >250 To 500 SF, Add</i>	0.56	
			<i>For >500 To 1,000 SF, Add</i>	0.24	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.35	
			<i>For >10,000 SF, Deduct</i>	-0.88	
07 21 19 00-0015	SF	1-1/2"	Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.94	
			<i>For Up To 250 SF, Add</i>	1.41	
			<i>For >250 To 500 SF, Add</i>	0.71	
			<i>For >500 To 1,000 SF, Add</i>	0.30	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.45	
			<i>For >10,000 SF, Deduct</i>	-1.11	
07 21 19 00-0016	SF	2"	Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.79	
			<i>For Up To 250 SF, Add</i>	1.65	
			<i>For >250 To 500 SF, Add</i>	0.83	
			<i>For >500 To 1,000 SF, Add</i>	0.36	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.53	
			<i>For >10,000 SF, Deduct</i>	-1.30	
07 21 19 00-0017	SF	2-1/2"	Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.75	
			<i>For Up To 250 SF, Add</i>	1.95	
			<i>For >250 To 500 SF, Add</i>	0.97	
			<i>For >500 To 1,000 SF, Add</i>	0.42	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.63	
			<i>For >10,000 SF, Deduct</i>	-1.53	
07 21 19 00-0018	SF	3"	Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.60	
			<i>For Up To 250 SF, Add</i>	2.18	
			<i>For >250 To 500 SF, Add</i>	1.09	
			<i>For >500 To 1,000 SF, Add</i>	0.47	
			<i>For >5,000 To 10,000 SF, Deduct</i>	-0.71	
			<i>For >10,000 SF, Deduct</i>	-1.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0019 SF 3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.57	
For Up To 250 SF, Add	2.48	
For >250 To 500 SF, Add	1.24	
For >500 To 1,000 SF, Add	0.54	
For >5,000 To 10,000 SF, Deduct	-0.81	
For >10,000 SF, Deduct	-1.94	
07 21 19 00-0020 SF 4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.42	
For Up To 250 SF, Add	2.73	
For >250 To 500 SF, Add	1.36	
For >500 To 1,000 SF, Add	0.59	
For >5,000 To 10,000 SF, Deduct	-0.89	
For >10,000 SF, Deduct	-2.13	
07 21 19 00-0021 SF 4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.38	
For Up To 250 SF, Add	3.02	
For >250 To 500 SF, Add	1.51	
For >500 To 1,000 SF, Add	0.66	
For >5,000 To 10,000 SF, Deduct	-0.99	
For >10,000 SF, Deduct	-2.36	
07 21 19 00-0022 SF 5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.23	
For Up To 250 SF, Add	3.26	
For >250 To 500 SF, Add	1.63	
For >500 To 1,000 SF, Add	0.71	
For >5,000 To 10,000 SF, Deduct	-1.07	
For >10,000 SF, Deduct	-2.54	
07 21 19 00-0023 SF 5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.19	
For Up To 250 SF, Add	3.55	
For >250 To 500 SF, Add	1.78	
For >500 To 1,000 SF, Add	0.78	
For >5,000 To 10,000 SF, Deduct	-1.17	
For >10,000 SF, Deduct	-2.77	
07 21 19 00-0024 SF 6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.05	
For Up To 250 SF, Add	3.80	
For >250 To 500 SF, Add	1.90	
For >500 To 1,000 SF, Add	0.83	
For >5,000 To 10,000 SF, Deduct	-1.25	
For >10,000 SF, Deduct	-2.96	
07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames (07 21 19)		
07 21 19 00-0026 LF Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.31	
07 21 19 00-0027 LF Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	6.62	
07 21 19 00-0028 LF Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	7.96	
07 21 19 00-0029 LF Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	9.34	
07 21 19 00-0030 LF Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame.....	10.80	
07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames (07 21 19)		
07 21 19 00-0032 LF Expanding Foam Insulation To Fill Window Frame.....	5.21	
07 21 23 Loose-Fill Insulation (07 21)		
07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002 CF R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	7.20	2.85
07 21 23 00-0003 CF R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	7.23	2.85
07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005 CF R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	9.34	2.85
07 21 23 00-0006 CF R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	9.27	2.85
07 21 26 Blown Insulation (07 21)		
07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003 SF 4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.52	1.24
07 21 26 00-0004 SF 5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.68	1.36
07 21 26 00-0005 SF 6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.87	1.48
07 21 26 00-0006 SF 7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	2.08	1.60
07 21 26 00-0007 SF 8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.22	1.67
07 21 26 00-0008 SF 10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.39	1.74
07 21 26 00-0009 SF 11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.55	1.79
07 21 26 00-0010 SF 12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.69	1.86
07 21 26 00-0011 SF 13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	2.88	1.98
07 21 26 00-0012 SF 14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	3.03	2.04
07 21 26 00-0013 SF 16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	3.25	2.10
07 21 26 00-0014 SF 18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.53	2.23
07 21 26 00-0015 SF 21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	4.07	2.47
07 21 26 00-0016 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0017	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.17	1.24
07 21 26 00-0018	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	2.87	1.48
07 21 26 00-0019	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.39	1.60
07 21 26 00-0020	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.04	1.74
07 21 26 00-0021			Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.07	1.24
07 21 26 00-0023	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.78	1.48
07 21 26 00-0024	SF		7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.30	1.60
07 21 26 00-0025	SF		9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	3.95	1.74
07 21 26 00-0026			Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0027			Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)		
07 21 26 00-0028	SF		3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.49	1.24
07 21 26 00-0029	SF		5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.75	1.36
07 21 26 00-0030	SF		6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	1.94	1.48
07 21 26 00-0031	SF		7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.22	1.60
07 21 26 00-0032	SF		8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.25	1.60
07 21 26 00-0033	SF		10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	2.59	1.74
07 21 26 00-0034	SF		11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	2.65	1.74
07 21 26 00-0035	SF		12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	2.88	1.86
07 21 26 00-0036	SF		13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.02	1.86
07 21 26 00-0037	SF		15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	3.25	1.98
07 21 26 00-0038	SF		16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.39	1.98
07 21 26 00-0039			New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.88	1.24
07 21 26 00-0041	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.43	1.48
07 21 26 00-0042	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.81	1.60
07 21 26 00-0043	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.28	1.74
07 21 26 00-0044			Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.78	1.24
07 21 26 00-0046	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.34	1.48
07 21 26 00-0047	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.71	1.60
07 21 26 00-0048	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.19	1.74
07 21 29 Sprayed Insulation (07 21)					
07 21 29 00-0001			Fiber Sprayed On Insulation (07 21 29)		
			Note: Per each 1" of thickness.		
07 21 29 00-0002	SF		1" Thick, R2.7, Spray-on Perlite Insulation	2.40	0.75
07 21 29 00-0003	SF		1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	1.77	0.75
07 21 29 00-0004			Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005	SF		1" Thick, Spray-on Cellulose Insulation	3.34	0.75
07 21 53 Reflective Insulation (07 21)					
07 21 53 00-0001			Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002	SF		3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.21	
07 22 Roof and Deck Insulation (07 20)					
07 22 16 Roof Board Insulation (07 22)					
			Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001			Rigid Board Roofing Insulation (07 22 16)		
			Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0002			Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003			Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.67	
07 22 16 00-0005	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.10	
07 22 16 00-0006	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.53	
07 22 16 00-0007	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0008 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.08	
07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0010 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.90	
07 22 16 00-0011 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.39	
07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0013 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.59	
07 22 16 00-0014 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.59	
07 22 16 00-0015 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.85	
07 22 16 00-0016 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.14	
07 22 16 00-0017 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.89	
07 22 16 00-0018 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.35	
07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0020 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.55	
07 22 16 00-0021 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.72	
07 22 16 00-0022 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.12	
07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0024 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.50	
07 22 16 00-0025 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.63	
07 22 16 00-0026 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	9.92	
07 22 16 00-0027 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	12.82	
07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0029 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.37	
<i>For Loose-Laid, Deduct</i>	-1.29	
07 22 16 00-0030 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.45	
<i>For Loose-Laid, Deduct</i>	-1.29	
07 22 16 00-0031 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.73	
<i>For Loose-Laid, Deduct</i>	-1.29	
07 22 16 00-0032 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.00	
<i>For Loose-Laid, Deduct</i>	-1.29	
07 22 16 00-0033 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.11	
<i>For Loose-Laid, Deduct</i>	-1.31	
07 22 16 00-0034 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.22	
<i>For Loose-Laid, Deduct</i>	-1.32	
07 22 16 00-0035 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.33	
<i>For Loose-Laid, Deduct</i>	-1.34	
07 22 16 00-0036 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.45	
<i>For Loose-Laid, Deduct</i>	-1.36	
07 22 16 00-0037 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.56	
<i>For Loose-Laid, Deduct</i>	-1.37	
07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
<i>Note: 15 PSI compressive strength.</i>		
07 22 16 00-0039 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.37	
<i>For Loose-Laid, Deduct</i>	-1.32	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For 40 PSI Compressive Strength, Add</i>	0.80	
<i>For 60 PSI Compressive Strength, Add</i>	1.28	
<i>For 115 PSI Compressive Strength, Add</i>	5.52	
07 22 16 00-0040 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.44	
<i>For Loose-Laid, Deduct</i>	-1.32	
<i>For 25 PSI Compressive Strength, Add</i>	0.35	
<i>For 40 PSI Compressive Strength, Add</i>	0.82	
<i>For 60 PSI Compressive Strength, Add</i>	1.32	
<i>For 115 PSI Compressive Strength, Add</i>	5.70	
07 22 16 00-0041 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.32	
<i>For Loose-Laid, Deduct</i>	-1.32	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.16	
<i>For 60 PSI Compressive Strength, Add</i>	1.83	
<i>For 100 PSI Compressive Strength, Add</i>	2.35	
<i>For 115 PSI Compressive Strength, Add</i>	7.97	
07 22 16 00-0042 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.95	
<i>For Loose-Laid, Deduct</i>	-1.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.58	
<i>For 40 PSI Compressive Strength, Add</i>	1.39	
<i>For 60 PSI Compressive Strength, Add</i>	2.18	
<i>For 115 PSI Compressive Strength, Add</i>	9.51	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0043	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.91	
			<i>For Loose-Laid, Deduct</i>	-1.33	
			<i>For 25 PSI Compressive Strength, Add</i>	0.74	
			<i>For 40 PSI Compressive Strength, Add</i>	1.75	
			<i>For 60 PSI Compressive Strength, Add</i>	2.74	
			<i>For 100 PSI Compressive Strength, Add</i>	3.52	
			<i>For 115 PSI Compressive Strength, Add</i>	11.98	
07 22 16 00-0044	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.47	
			<i>For Loose-Laid, Deduct</i>	-1.35	
			<i>For 25 PSI Compressive Strength, Add</i>	0.82	
			<i>For 40 PSI Compressive Strength, Add</i>	1.95	
			<i>For 60 PSI Compressive Strength, Add</i>	3.04	
			<i>For 115 PSI Compressive Strength, Add</i>	13.32	
07 22 16 00-0045	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.24	
			<i>For Loose-Laid, Deduct</i>	-1.37	
			<i>For 25 PSI Compressive Strength, Add</i>	0.94	
			<i>For 40 PSI Compressive Strength, Add</i>	2.23	
			<i>For 60 PSI Compressive Strength, Add</i>	3.47	
			<i>For 115 PSI Compressive Strength, Add</i>	15.22	
07 22 16 00-0046			Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0047	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.03	
			<i>For Loose-Laid, Deduct</i>	-1.32	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
07 22 16 00-0048	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.14	
			<i>For Loose-Laid, Deduct</i>	-1.32	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0049	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.32	
			<i>For Loose-Laid, Deduct</i>	-1.33	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0050	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.77	
			<i>For Loose-Laid, Deduct</i>	-1.33	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0051	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.23	
			<i>For Loose-Laid, Deduct</i>	-1.34	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0052	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.70	
			<i>For Loose-Laid, Deduct</i>	-1.35	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
07 22 16 00-0053	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.19	
			<i>For Loose-Laid, Deduct</i>	-1.36	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
07 22 16 00-0054	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.64	
			<i>For Loose-Laid, Deduct</i>	-1.37	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.43	
07 22 16 00-0055			Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0056	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.43	
07 22 16 00-0057			Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)		
07 22 16 00-0058	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.25	
07 22 16 00-0059	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.44	
07 22 16 00-0060	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.57	
07 22 16 00-0061	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.63	
07 22 16 00-0062			Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0002)		
07 22 16 00-0063	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.19	
07 22 16 00-0064	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.47	
07 22 16 00-0065	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.54	
07 22 16 00-0066			Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0002)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.46	
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0069 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.09	
07 22 16 00-0070 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.31	
07 22 16 00-0071 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.84	
07 22 16 00-0072 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.07	
07 22 16 00-0073 SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.44	
07 22 16 00-0074 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0002) Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075 SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.51	
07 22 16 00-0076 SF 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.97	
07 22 16 00-0077 SF 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.54	
07 22 16 00-0078 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.90	
07 22 16 00-0079 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.37	
07 22 16 00-0080 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.87	
07 22 16 00-0081 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.80	
07 22 16 00-0082 Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0083 Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0084 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.40	
07 22 16 00-0085 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.84	
07 22 16 00-0086 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.28	
07 22 16 00-0087 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.07	
07 22 16 00-0088 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.86	
07 22 16 00-0089 Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0090 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.65	
07 22 16 00-0091 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.15	
07 22 16 00-0092 Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0093 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.32	
07 22 16 00-0094 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.56	
07 22 16 00-0095 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.87	
07 22 16 00-0096 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.60	
07 22 16 00-0097 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.07	
07 22 16 00-0098 Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0099 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.27	
07 22 16 00-0100 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.44	
07 22 16 00-0101 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	5.85	
07 22 16 00-0102 Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0103 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.21	
07 22 16 00-0104 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.36	
07 22 16 00-0105 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.64	
07 22 16 00-0106 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.54	
07 22 16 00-0107 Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0108 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.08	
07 22 16 00-0109 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.16	
07 22 16 00-0110 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.32	
07 22 16 00-0111 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.70	
07 22 16 00-0112 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.82	
07 22 16 00-0113 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.94	
07 22 16 00-0114 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.05	
07 22 16 00-0115 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.17	
07 22 16 00-0116 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0117		Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
Note: 15 PSI compressive strength.				
07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.08	
		For 25 PSI Compressive Strength, Add	0.27	
		For 40 PSI Compressive Strength, Add	0.64	
		For 60 PSI Compressive Strength, Add	1.05	
		For 115 PSI Compressive Strength, Add	4.48	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.16	
		For 25 PSI Compressive Strength, Add	0.28	
		For 40 PSI Compressive Strength, Add	0.67	
		For 60 PSI Compressive Strength, Add	1.09	
		For 115 PSI Compressive Strength, Add	4.66	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.04	
		For 25 PSI Compressive Strength, Add	0.42	
		For 40 PSI Compressive Strength, Add	1.00	
		For 60 PSI Compressive Strength, Add	1.60	
		For 100 PSI Compressive Strength, Add	2.05	
		For 115 PSI Compressive Strength, Add	6.92	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.81	
		For 25 PSI Compressive Strength, Add	0.52	
		For 40 PSI Compressive Strength, Add	1.23	
		For 60 PSI Compressive Strength, Add	1.96	
		For 115 PSI Compressive Strength, Add	8.48	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	18.48	
		For 25 PSI Compressive Strength, Add	0.67	
		For 40 PSI Compressive Strength, Add	1.60	
		For 60 PSI Compressive Strength, Add	3.16	
		For 100 PSI Compressive Strength, Add	3.87	
		For 115 PSI Compressive Strength, Add	12.25	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.19	
		For 25 PSI Compressive Strength, Add	0.76	
		For 40 PSI Compressive Strength, Add	1.79	
		For 60 PSI Compressive Strength, Add	2.81	
		For 115 PSI Compressive Strength, Add	12.28	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.96	
		For 25 PSI Compressive Strength, Add	0.87	
		For 40 PSI Compressive Strength, Add	2.07	
		For 60 PSI Compressive Strength, Add	3.24	
		For 115 PSI Compressive Strength, Add	14.18	
07 22 16 00-0125		Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.75	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.86	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.03	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.16	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.49	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.21	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.97	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.25	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.42	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.30	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.78	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.34	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.36	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.39	
07 22 16 00-0134		Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.98	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.17	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.30	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	3.36	
07 22 16 00-0139		Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.92	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.20	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.27	
07 22 16 00-0143		Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)		
Note: Mechanically fastened to wood or steel.				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation <small>(07 22</small>		
<small>16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.50	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.76	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.91	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0146 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.93	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.79	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.94	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0147 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.36	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.81	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.96	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0148 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	4.24	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.99	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.67	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0149 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	5.01	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.25	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.99	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.88	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.67	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.30	
07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board		
Insulation <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	2.73	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.81	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.96	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0152 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	3.23	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.81	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.96	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation <small>(07 22 16 00-0143)</small>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.43	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0155	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.68	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.86	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0156	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.98	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.86	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0157	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.82	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0158	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 22 16 00-0159			Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.38	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.86	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0161	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	4.65	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 22 16 00-0162	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	6.15	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.04	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.34	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0163			Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.43	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0165 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	7.56	
<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 22 16 00-0166 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.95	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.04	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.34	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0167 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.01	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.27	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.59	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.17	
07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation		
(07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.20	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.84	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0170 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.84	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0171 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.56	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.84	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0172 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.83	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.69	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.84	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0173 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.04	
<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 22 16 00-0174 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.24	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.02	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.11	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.32	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0175	SF	4"	Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	6.52	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.85	
07 22 16 00-0176	SF	5"	Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	7.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.31	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.55	
07 22 16 00-0177	SF	6"	Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	9.45	
			<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	4.13	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.96	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-

0143)

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179	SF	3/4"	Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.74	
			<i>For 60 PSI Compressive Strength, Add</i>	1.19	
			<i>For 115 PSI Compressive Strength, Add</i>	5.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.86	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0180	SF	1"	Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.28	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
			<i>For 40 PSI Compressive Strength, Add</i>	0.76	
			<i>For 60 PSI Compressive Strength, Add</i>	1.23	
			<i>For 115 PSI Compressive Strength, Add</i>	5.29	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.86	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0181	SF	1-1/2"	Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.25	
			<i>For 25 PSI Compressive Strength, Add</i>	0.48	
			<i>For 40 PSI Compressive Strength, Add</i>	1.13	
			<i>For 60 PSI Compressive Strength, Add</i>	1.79	
			<i>For 100 PSI Compressive Strength, Add</i>	2.30	
			<i>For 115 PSI Compressive Strength, Add</i>	7.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0182	SF	2"	Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.88	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
			<i>For 40 PSI Compressive Strength, Add</i>	1.36	
			<i>For 60 PSI Compressive Strength, Add</i>	2.14	
			<i>For 115 PSI Compressive Strength, Add</i>	9.33	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0183 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.94	
For 25 PSI Compressive Strength, Add	0.74	
For 40 PSI Compressive Strength, Add	1.76	
For 60 PSI Compressive Strength, Add	2.76	
For 100 PSI Compressive Strength, Add	3.55	
For 115 PSI Compressive Strength, Add	12.05	
For Mechanically Fastened To Concrete, Add	1.88	
For Mechanically Fastened To Gypsum, Add	2.28	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.03	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.00	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.33	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.50	
07 22 16 00-0184 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.49	
For 25 PSI Compressive Strength, Add	0.82	
For 40 PSI Compressive Strength, Add	1.96	
For 60 PSI Compressive Strength, Add	3.05	
For 115 PSI Compressive Strength, Add	13.37	
For Mechanically Fastened To Concrete, Add	1.88	
For Mechanically Fastened To Gypsum, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.04	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.11	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.34	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.59	
07 22 16 00-0185 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.43	
For 25 PSI Compressive Strength, Add	0.97	
For 40 PSI Compressive Strength, Add	2.30	
For 60 PSI Compressive Strength, Add	3.58	
For 115 PSI Compressive Strength, Add	15.71	
For Mechanically Fastened To Concrete, Add	1.93	
For Mechanically Fastened To Gypsum, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.32	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.82	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.23	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.99	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.23	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.85	
07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.87	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.16	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0188 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.97	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.17	
For Mechanically Fastened To Concrete, Add	1.77	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.19	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0189 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.25	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.20	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Gypsum, Add	2.32	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.99	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.67	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.26	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0190	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 3.70		
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.24	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 22 16 00-0191	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 4.26		
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.29	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.28	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.04	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.34	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0192	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 4.73		
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.34	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.04	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.11	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.34	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0193	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 5.38		
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.40	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.27	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.60	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.18	
07 22 16 00-0194	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 5.83		
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.85	
07 22 16 00-0195	Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0196	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened 3.26		
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0197	Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0198	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened 3.09		
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0199 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.27	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0200 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.40	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0201 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.47	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)		
<small>(07 22 16 00-0143)</small>		
<small>Note: Mechanically fastened to wood or steel.</small>		
07 22 16 00-0203 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.02	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0204 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.31	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0205 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.37	
<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.91	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation		
<small>(07 22 16 00-0143)</small>		
<small>Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.</small>		
07 22 16 00-0207 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.39	
<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	
07 22 16 00-0208 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.65	
<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.25	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.88	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.30	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.12
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.24
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.00
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.54
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.50
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.34
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.24
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.54
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.04
		<i>For Mechanically Fastened To Concrete, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.27
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.80
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.38
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.26
		<i>For Mechanically Fastened To Concrete, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.23
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.85
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.83
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.31
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	4.10
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.81
07 22 16 00-0214		Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation <small>(07 22 16 00-0143)</small>	
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.	
07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.54
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.22
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.00
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.52
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.50
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.00
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.23
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.53
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.59
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.73
		<i>For Mechanically Fastened To Concrete, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.27
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.79
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0218 SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.09	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.85	
07 22 16 00-0219 SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.76	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.31	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	4.04	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.75	
07 22 16 00-0220 SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.26	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.31	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	4.05	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.76	
07 22 16 00-0221 SF 5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	9.42	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	4.38	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	6.21	
07 22 16 00-0222 Rigid Board Tapered Roofing Insulation (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226 SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.29	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
07 22 16 00-0227 SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.40	
<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0228 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.01	
<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0229 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.61	
<i>For 25 PSI Compressive Strength, Add</i>	0.52	
07 22 16 00-0230 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	9.22	
<i>For 25 PSI Compressive Strength, Add</i>	0.58	
07 22 16 00-0231 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.35	
<i>For 25 PSI Compressive Strength, Add</i>	0.65	
07 22 16 00-0232 SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.95	
<i>For 25 PSI Compressive Strength, Add</i>	0.71	
07 22 16 00-0233 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	12.56	
<i>For 25 PSI Compressive Strength, Add</i>	0.77	
07 22 16 00-0234 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	13.16	
<i>For 25 PSI Compressive Strength, Add</i>	0.83	
07 22 16 00-0235 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	15.28	
<i>For 25 PSI Compressive Strength, Add</i>	0.89	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0236		Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0224)</small>	
07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.99
		<i>For 25 PSI Compressive Strength, Add</i>	0.31
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.71
		<i>For 25 PSI Compressive Strength, Add</i>	0.43
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.91
		<i>For 25 PSI Compressive Strength, Add</i>	0.55
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	11.65
		<i>For 25 PSI Compressive Strength, Add</i>	0.68
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	12.86
		<i>For 25 PSI Compressive Strength, Add</i>	0.80
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	15.58
		<i>For 25 PSI Compressive Strength, Add</i>	0.92
07 22 16 00-0243		Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0224)</small>	
07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.31
		<i>For 25 PSI Compressive Strength, Add</i>	0.49
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	12.25
		<i>For 25 PSI Compressive Strength, Add</i>	0.74
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	16.19
		<i>For 25 PSI Compressive Strength, Add</i>	0.98
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	20.13
		<i>For 25 PSI Compressive Strength, Add</i>	1.22
07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0223)</small>	
		Note: Includes polyurethane adhesive.	
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>	
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.61
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.73
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.19
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.64
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.09
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.23
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.68
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.13
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.59
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.72
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>	
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.39
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.96
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.87
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.45
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.36
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.94
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0268 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.41	
07 22 16 00-0269 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.91	
07 22 16 00-0270 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	14.40	
07 22 16 00-0271 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	18.34	
07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)		
07 22 16 00-0274 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.16	
07 22 16 00-0275 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.27	
07 22 16 00-0276 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.84	
07 22 16 00-0277 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.42	
07 22 16 00-0278 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.99	
07 22 16 00-0279 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.12	
07 22 16 00-0280 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.70	
07 22 16 00-0281 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.27	
07 22 16 00-0282 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.85	
07 22 16 00-0283 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.97	
07 22 16 00-0284 Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)		
07 22 16 00-0285 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.87	
07 22 16 00-0286 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.56	
07 22 16 00-0287 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.70	
07 22 16 00-0288 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.41	
07 22 16 00-0289 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.56	
07 22 16 00-0290 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.25	
07 22 16 00-0291 Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)		
07 22 16 00-0292 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.13	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
07 22 16 00-0293 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.98	
07 22 16 00-0294 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.83	
07 22 16 00-0295 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	19.68	
07 22 16 00-0296 Cold Adhesive Applied, Tapered Perlite Board (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0297 Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0296)		
07 22 16 00-0298 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.74	
07 22 16 00-0299 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.08	
07 22 16 00-0300 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.41	
07 22 16 00-0301 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.91	
07 22 16 00-0302 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.24	
07 22 16 00-0303 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.58	
07 22 16 00-0304 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.92	
07 22 16 00-0305 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.41	
07 22 16 00-0306 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.74	
07 22 16 00-0307 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.10	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0308	Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied 7.07
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied 9.75
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied 11.57
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied 14.25
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied 16.08
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied 18.76
07 22 16 00-0315	Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>	
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied 11.08
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied 15.58
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied 20.10
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied 24.60
07 22 16 00-0320	Hot-Mopped Rigid Board Tapered Roofing Insulation <small>(07 22 16 00-0222)</small>	
07 22 16 00-0321	Hot-Mopped, Tapered Polyisocyanurate Board <small>(07 22 16 00-0320)</small>	
07 22 16 00-0322	Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0321)</small>	
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 4.89
		<i>For 25 PSI Compressive Strength, Add</i> 0.30
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 6.98
		<i>For 25 PSI Compressive Strength, Add</i> 0.33
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 7.58
		<i>For 25 PSI Compressive Strength, Add</i> 0.39
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 7.84
		<i>For 25 PSI Compressive Strength, Add</i> 0.45
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 8.79
		<i>For 25 PSI Compressive Strength, Add</i> 0.51
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 10.71
		<i>For 25 PSI Compressive Strength, Add</i> 0.53
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 11.31
		<i>For 25 PSI Compressive Strength, Add</i> 0.59
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 11.92
		<i>For 25 PSI Compressive Strength, Add</i> 0.66
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 12.52
		<i>For 25 PSI Compressive Strength, Add</i> 0.72
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 14.42
		<i>For 25 PSI Compressive Strength, Add</i> 0.74
07 22 16 00-0333	Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0321)</small>	
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 4.77
		<i>For 25 PSI Compressive Strength, Add</i> 0.27
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 7.28
		<i>For 25 PSI Compressive Strength, Add</i> 0.36
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 8.49
		<i>For 25 PSI Compressive Strength, Add</i> 0.48
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 11.01
		<i>For 25 PSI Compressive Strength, Add</i> 0.56
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 12.22
		<i>For 25 PSI Compressive Strength, Add</i> 0.69
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 14.72
		<i>For 25 PSI Compressive Strength, Add</i> 0.77
07 22 16 00-0340	Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0321)</small>	
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 7.88
		<i>For 25 PSI Compressive Strength, Add</i> 0.42
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 11.62
		<i>For 25 PSI Compressive Strength, Add</i> 0.63
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 15.33
		<i>For 25 PSI Compressive Strength, Add</i> 0.83
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... 19.07
		<i>For 25 PSI Compressive Strength, Add</i> 1.04
07 22 16 00-0345	Hot-Mopped, Tapered Perlite Board <small>(07 22 16 00-0320)</small>	
07 22 16 00-0346	Hot-Mopped, 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0345)</small>	
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 6.87
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 8.65
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 9.99
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 9.83
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 11.16
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 12.95
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 14.28
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped..... 14.12



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 22 16 00-0355	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	15.46	
	07 22 16 00-0356	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	17.24	
	07 22 16 00-0357			Hot-Mopped, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0345)</small>		
	07 22 16 00-0358	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.20	
	07 22 16 00-0359	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.32	
	07 22 16 00-0360	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.50	
	07 22 16 00-0361	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	13.61	
	07 22 16 00-0362	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	14.79	
	07 22 16 00-0363	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	17.91	
	07 22 16 00-0364			Hot-Mopped, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0345)</small>		
	07 22 16 00-0365	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	10.65	
	07 22 16 00-0366	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	14.95	
	07 22 16 00-0367	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	82.47	
	07 22 16 00-0368	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	23.54	
	07 22 16 00-0369			Mechanically Fastened Tapered Roofing Insulation <small>(07 22 16 00-0222)</small>		
				Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
	07 22 16 00-0370			Mechanically Fastened, Tapered Polyisocyanurate Board <small>(07 22 16 00-0369)</small>		
				Note: Mechanically fastened to wood or steel.		
	07 22 16 00-0371			Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>		
	07 22 16 00-0372	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.22	
				<i>For 25 PSI Compressive Strength, Add</i>	0.33	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.22	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
	07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.78	
				<i>For 25 PSI Compressive Strength, Add</i>	0.34	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.28	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
	07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.39	
				<i>For 25 PSI Compressive Strength, Add</i>	0.40	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
	07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.16	
				<i>For 25 PSI Compressive Strength, Add</i>	0.48	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.27	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.15	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.73	
	07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.76	
				<i>For 25 PSI Compressive Strength, Add</i>	0.54	
				<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
				<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
				<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
				<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
				<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
				<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.85	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.44
		<i>For 25 PSI Compressive Strength, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.05
		<i>For 25 PSI Compressive Strength, Add</i>	0.62
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.88
		<i>For 25 PSI Compressive Strength, Add</i>	0.70
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.48
		<i>For 25 PSI Compressive Strength, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	14.34
		<i>For 25 PSI Compressive Strength, Add</i>	0.80
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>	
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.92
		<i>For 25 PSI Compressive Strength, Add</i>	0.30
		<i>For Mechanically Fastened To Concrete, Add</i>	1.83
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.22
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.85
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.26
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.09
		<i>For 25 PSI Compressive Strength, Add</i>	0.37
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0385 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.46	
<i>For 25 PSI Compressive Strength, Add</i>	0.51	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.27	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.15	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.73	
07 22 16 00-0386 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.74	
<i>For 25 PSI Compressive Strength, Add</i>	0.59	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0387 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.18	
<i>For 25 PSI Compressive Strength, Add</i>	0.73	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0388 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.64	
<i>For 25 PSI Compressive Strength, Add</i>	0.83	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	
07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>		
07 22 16 00-0390 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.69	
<i>For 25 PSI Compressive Strength, Add</i>	0.43	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0391 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.94	
<i>For 25 PSI Compressive Strength, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0392 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.89	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	19.39
		<i>For 25 PSI Compressive Strength, Add</i>	1.15
		<i>For Mechanically Fastened To Concrete, Add</i>	1.96
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	3.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	4.50
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	4.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	6.75
07 22 16 00-0394		Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0369)</small>	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0395		Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>	
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.54
		<i>For Mechanically Fastened To Concrete, Add</i>	1.83
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.22
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.85
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.26
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.11
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.57
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.06
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.59
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.18
		<i>For Mechanically Fastened To Concrete, Add</i>	1.93
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.27
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.15
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.73
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.93
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.23
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.85
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.32
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.78
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0403 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.46	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0404 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.91	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0405 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	12.78	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	
07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0407 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.32	
<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.22	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0408 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.28	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0409 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.41	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.27	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.15	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.73	
07 22 16 00-0410 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.55	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0411 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.69	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.00	
			<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	
07 22 16 00-0413			Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.00	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.46	
			<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	17.60	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	4.50	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	4.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	6.75	
07 22 16 00-0418			Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0369)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419			Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0420	SF		2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.22	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0421	SF		2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.65	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0422 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.57	
<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0423 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.96	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.27	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.15	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.73	
07 22 16 00-0424 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.54	
<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.23	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.83	
07 22 16 00-0425 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.22	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0426 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.79	
<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0427 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.60	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0428 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.17	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0429 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.03	
<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.80	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.22	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.94	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.25	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.27	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.15	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.73	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.51	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.88	
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.31	
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.51	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.08	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0440 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.89	
For Mechanically Fastened To Concrete, Add	2.04	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.38	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.23	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.08	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.61	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.12	
07 22 16 00-0441 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	18.67	
For Mechanically Fastened To Concrete, Add	1.96	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.11	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.50	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.68	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.75	
07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0444 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.02	
For Mechanically Fastened To Concrete, Add	1.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.22	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.99	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.85	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.67	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.26	
07 22 16 00-0445 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.46	
For Mechanically Fastened To Concrete, Add	1.88	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.28	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.60	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.00	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.90	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.50	
07 22 16 00-0446 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.79	
For Mechanically Fastened To Concrete, Add	1.88	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.11	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.60	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.06	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.90	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.59	
07 22 16 00-0447 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.80	
For Mechanically Fastened To Concrete, Add	1.93	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.27	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.32	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.82	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.99	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.23	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.73	
07 22 16 00-0448 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.14	
For Mechanically Fastened To Concrete, Add	1.93	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.32	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.82	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.23	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.99	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.23	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.85	
07 22 16 00-0449 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.68	
For Mechanically Fastened To Concrete, Add	1.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.31	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.58	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.07	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.39	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.61	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.10	
07 22 16 00-0450 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.01	
For Mechanically Fastened To Concrete, Add	1.98	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.31	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.58	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.07	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.39	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.61	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.10	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.09	
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.42	
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	17.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	
07 22 16 00-0454		Mechanically Fastened, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0442)</small>		
07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.35	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.83	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.22	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.99	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.46	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.47	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.67	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.13	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.00	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.50	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.47	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.93	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.27	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.32	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.82	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.15	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.99	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.23	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.73	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.35	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.75	
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.35	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.84	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.35	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.67	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.76	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.03	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.50	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	17.82	
		<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0442)</small>					
07 22 16 00-0462	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.46	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.60	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.90	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.59	
07 22 16 00-0463	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.68	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.31	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	3.39	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	5.10	
07 22 16 00-0464	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	19.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	2.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.38	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	2.23	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	3.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	5.61	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	
07 22 16 00-0465	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	23.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	4.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	4.08	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	4.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	6.75	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	6.12	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation <small>(07 22 16)</small>					
Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).					
07 22 16 00-0467	SF		Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.70	
07 22 16 00-0468	SF		Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.72	
07 22 16 00-0469	SF		Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.74	
07 22 16 00-0470	SF		Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.76	
07 22 16 00-0471	SF		Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.78	
07 22 16 00-0472	SF		Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.80	
07 22 16 00-0473	SF		Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.81	
07 22 16 00-0474	SF		Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.83	
07 22 16 00-0475	SF		Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.85	
07 22 16 00-0476	SF		Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.87	
07 22 16 00-0477	SF		Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.89	
07 22 16 00-0478	SF		Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.91	
07 22 16 00-0479	SF		Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.94	

07 24 Exterior Insulation and Finish Systems (07 20)

07 24 13 Polymer-Based Exterior Insulation and Finish System <small>(07 24)</small>					
07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) <small>(07 24 13)</small>					
07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>					
07 24 13 00-0003	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.32	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.68	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.47	
07 24 13 00-0004	SF		1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.88	
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.71	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.49	
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.44	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >5,000, Deduct</i>	-0.19	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.88	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.63	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	6.01	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >5,000, Deduct</i>	-0.19	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.96	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.76	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	6.57	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >5,000, Deduct</i>	-0.20	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.96	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.76	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	7.67	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >5,000, Deduct</i>	-0.20	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	2.19	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.94	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	5.72	
			<i>For Up To 100, Add</i>	1.86	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	6.31	
			<i>For Up To 100, Add</i>	1.86	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	7.91	
			<i>For Up To 100, Add</i>	1.86	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	8.39	
			<i>For Up To 100, Add</i>	1.86	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.80	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	3.24	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	5.61	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	7.49	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.77	
			<i>For Up To 100, Add</i>	1.86	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.86	
			<i>For Up To 100, Add</i>	1.86	
			<i>For >100 To 500, Add</i>	0.93	
			<i>For >5,000, Deduct</i>	-0.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0022 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.56	
<i>For Up To 100, Add</i>	1.86	
<i>For >100 To 500, Add</i>	0.93	
<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0023 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.17	
<i>For Up To 100, Add</i>	1.86	
<i>For >100 To 500, Add</i>	0.93	
<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0024 SF Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.56	
<i>For Up To 100, Add</i>	1.86	
<i>For >100 To 500, Add</i>	0.93	
<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0025 SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	6.18	
<i>For Up To 100, Add</i>	1.86	
<i>For >100 To 500, Add</i>	0.93	
<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0026 SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	4.96	
<i>For Up To 100, Add</i>	1.86	
<i>For >100 To 500, Add</i>	0.93	
<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0027 SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	5.61	
<i>For Up To 100, Add</i>	1.86	
<i>For >100 To 500, Add</i>	0.93	
<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0028 SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.10	
<i>For Up To 100, Add</i>	1.86	
<i>For >100 To 500, Add</i>	0.93	
<i>For >5,000, Deduct</i>	-0.37	
07 24 13 00-0029 Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0030 SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.43	
<i>For Up To 100, Add</i>	0.52	
<i>For >100 To 500, Add</i>	0.26	
<i>For >5,000, Deduct</i>	-0.10	
07 24 13 00-0031 SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.46	
<i>For Up To 100, Add</i>	0.52	
<i>For >100 To 500, Add</i>	0.26	
<i>For >5,000, Deduct</i>	-0.10	
07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0033 SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.94	
<i>For Up To 100, Add</i>	0.52	
<i>For >100 To 500, Add</i>	0.26	
<i>For >5,000, Deduct</i>	-0.10	
07 24 13 00-0034 SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.39	
<i>For Up To 100, Add</i>	0.52	
<i>For >100 To 500, Add</i>	0.26	
<i>For >5,000, Deduct</i>	-0.10	
07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0036 SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	2.95	
<i>For Up To 100, Add</i>	0.58	
<i>For >100 To 500, Add</i>	0.29	
<i>For >5,000, Deduct</i>	-0.12	
07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0038 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.27	
07 24 13 00-0039 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.60	
07 24 13 00-0040 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.99	
07 24 13 00-0041 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.80	
07 24 13 00-0042 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.60	
07 24 13 00-0043 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.99	
07 24 13 00-0044 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.37	
07 24 13 00-0045 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	6.27	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 24 13 00-0046	Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0047	SF Demolish Exterior Insulation Finishing Systems (EIFS).....	7.76	
	Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
	For Up To 100, Add	3.88	
	For >100 To 500, Add	1.94	
	For >5,000, Deduct	-0.78	

07 25 Weather Barriers (07)**07 26 Vapor Retarders** (07 25)**07 26 13 Above-Grade Vapor Retarders** (07 26)

07 26 13 00-0001	CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	34.03	
07 26 13 00-0002	CSF Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	31.76	
07 26 13 00-0003	CSF 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	39.02	
07 26 13 00-0004	CSF Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	49.66	
07 26 13 00-0005	CSF Regular Weight Red Rosin Sized Sheathing.....	29.43	
07 26 13 00-0006	CLF 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	99.33	
07 26 13 00-0007	CLF 4" Wide Self Adhering Butyl Sealing Tape.....	147.41	
07 26 13 00-0008	CLF 6" Wide Self Adhesive Butyl Sealing Tape.....	210.71	
07 26 13 00-0009	CLF 9" Wide Self Adhesive Butyl Sealing Tape.....	290.11	
07 26 13 00-0010	CSF Building Wrap (Tyvek).....	79.83	

07 27 Air Barriers (07 25)**07 27 23 Board Product Air Barriers** (07 27)**07 27 23 00-0001 Barriers For Plenums** (07 27 23)

07 27 23 00-0002	SF 0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	13.88	3.82
	For Up To 50, Add	5.08	
	For >50 To 200, Add	2.89	
	For >200 To 500, Add	1.07	
	For >2,500, Deduct	-0.69	
07 27 23 00-0003	SF 0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	15.01	3.82
	For Up To 50, Add	5.54	
	For >50 To 200, Add	3.15	
	For >200 To 500, Add	1.16	
	For >2,500, Deduct	-0.75	
07 27 23 00-0004	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	5.52	2.55
	For Up To 50, Add	2.68	
	For >50 To 200, Add	1.48	
	For >200 To 500, Add	0.51	
	For >2,500, Deduct	-0.28	
07 27 23 00-0005	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	10.08	3.82
	For Up To 50, Add	4.80	
	For >50 To 200, Add	2.65	
	For >200 To 500, Add	0.92	
	For >2,500, Deduct	-0.50	
07 27 23 00-0006	SF Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	6.88	2.55
	For Up To 50, Add	2.89	
	For >50 To 200, Add	1.62	
	For >200 To 500, Add	0.58	
	For >2,500, Deduct	-0.34	
07 27 23 00-0007	SF 1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	10.58	2.55
	For Up To 50, Add	3.29	
	For >50 To 200, Add	1.91	
	For >200 To 500, Add	0.74	
	For >2,500, Deduct	-0.53	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets (07 27 23)

07 27 23 00-0009	SF 1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation.....	2.18	
07 27 23 00-0010	SF 2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation.....	3.25	
07 27 23 00-0011	SF 3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation.....	4.19	
07 27 23 00-0012	SF 4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation.....	5.11	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes (07 30)**07 31 13 Asphalt Shingles** (07 31)**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** (07 31 13)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 31 13	13-0001		Three Tab Fiberglass Reinforced, Asphalt Composition Shingle <small>(07 31 13 13)</small> Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
	07 31 13	13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	311.56	229.53
				<i>For >35 To 75, Deduct</i>	-10.28	
				<i>For >75 To 100, Deduct</i>	-17.56	
				<i>For >100 To 200, Deduct</i>	-26.89	
				<i>For >200, Deduct</i>	-41.44	
				<i>For Steep Roof, Over 7 To 12, Add</i>	66.80	
	07 31 13	13-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	326.79	241.06
				<i>For >35 To 75, Deduct</i>	-10.77	
				<i>For >75 To 100, Deduct</i>	-18.40	
				<i>For >100 To 200, Deduct</i>	-28.18	
				<i>For >200, Deduct</i>	-43.45	
				<i>For Steep Roof, Over 7 To 12, Add</i>	70.12	
	07 31 13	13-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	371.99	253.07
				<i>For >35 To 75, Deduct</i>	-14.18	
				<i>For >75 To 100, Deduct</i>	-22.77	
				<i>For >100 To 200, Deduct</i>	-34.20	
				<i>For >200, Deduct</i>	-51.38	
				<i>For Steep Roof, Over 7 To 12, Add</i>	73.65	
	07 31 13	13-0005		Architectural Fiberglass Reinforced, Asphalt Composition Shingle <small>(07 31 13 13)</small> Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
	07 31 13	13-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	390.15	293.01
				<i>For >35 To 75, Deduct</i>	-12.38	
				<i>For >75 To 100, Deduct</i>	-21.52	
				<i>For >100 To 200, Deduct</i>	-33.13	
				<i>For >200, Deduct</i>	-51.40	
				<i>For Steep Roof, Over 7 To 12, Add</i>	85.23	
	07 31 13	13-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	405.55	278.99
				<i>For >35 To 75, Deduct</i>	-15.19	
				<i>For >75 To 100, Deduct</i>	-24.57	
				<i>For >100 To 200, Deduct</i>	-36.98	
				<i>For >200, Deduct</i>	-55.74	
				<i>For Steep Roof, Over 7 To 12, Add</i>	81.18	
	07 31 13	13-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	440.62	307.66
				<i>For >35 To 75, Deduct</i>	-16.09	
				<i>For >75 To 100, Deduct</i>	-26.30	
				<i>For >100 To 200, Deduct</i>	-39.73	
				<i>For >200, Deduct</i>	-60.15	
				<i>For Steep Roof, Over 7 To 12, Add</i>	89.52	
	07 31 13	13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	417.94	265.72
				<i>For >35 To 75, Deduct</i>	-17.64	
				<i>For >75 To 100, Deduct</i>	-27.21	
				<i>For >100 To 200, Deduct</i>	-40.30	
				<i>For >200, Deduct</i>	-59.43	
				<i>For Steep Roof, Over 7 To 12, Add</i>	77.30	
	07 31 13	13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	475.42	323.07
				<i>For >35 To 75, Deduct</i>	-18.18	
				<i>For >75 To 100, Deduct</i>	-29.15	
				<i>For >100 To 200, Deduct</i>	-43.77	
				<i>For >200, Deduct</i>	-65.72	
				<i>For Steep Roof, Over 7 To 12, Add</i>	93.96	
	07 31 13	13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	502.07	323.07
				<i>For >35 To 75, Deduct</i>	-20.84	
				<i>For >75 To 100, Deduct</i>	-32.35	
				<i>For >100 To 200, Deduct</i>	-48.03	
				<i>For >200, Deduct</i>	-71.05	
				<i>For Steep Roof, Over 7 To 12, Add</i>	93.96	
	07 31 13	13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	549.12	356.13
				<i>For >35 To 75, Deduct</i>	-22.53	
				<i>For >75 To 100, Deduct</i>	-35.13	
				<i>For >100 To 200, Deduct</i>	-52.24	
				<i>For >200, Deduct</i>	-77.44	
				<i>For Steep Roof, Over 7 To 12, Add</i>	103.62	
	07 31 13	13-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	541.19	339.23
				<i>For >35 To 75, Deduct</i>	-23.29	
				<i>For >75 To 100, Deduct</i>	-35.66	
				<i>For >100 To 200, Deduct</i>	-52.68	
				<i>For >200, Deduct</i>	-77.41	
				<i>For Steep Roof, Over 7 To 12, Add</i>	98.65	
	07 31 13	13-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	534.83	323.07
				<i>For >35 To 75, Deduct</i>	-24.12	
				<i>For >75 To 100, Deduct</i>	-36.28	
				<i>For >100 To 200, Deduct</i>	-53.27	
				<i>For >200, Deduct</i>	-77.60	
				<i>For Steep Roof, Over 7 To 12, Add</i>	93.96	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0015	SQ		355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	620.86	356.13
			<i>For >35 To 75, Deduct</i>	-29.70	
			<i>For >75 To 100, Deduct</i>	-43.74	
			<i>For >100 To 200, Deduct</i>	-63.72	
			<i>For >200, Deduct</i>	-91.79	
			<i>For Steep Roof, Over 7 To 12, Add</i>	103.62	
07 31 13 13-0016	SQ		355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	639.54	356.13
			<i>For >35 To 75, Deduct</i>	-31.57	
			<i>For >75 To 100, Deduct</i>	-45.98	
			<i>For >100 To 200, Deduct</i>	-66.71	
			<i>For >200, Deduct</i>	-95.53	
			<i>For Steep Roof, Over 7 To 12, Add</i>	103.62	
07 31 13 13-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	709.78	392.69
			<i>For >35 To 75, Deduct</i>	-35.28	
			<i>For >75 To 100, Deduct</i>	-51.26	
			<i>For >100 To 200, Deduct</i>	-74.29	
			<i>For >200, Deduct</i>	-106.26	
			<i>For Steep Roof, Over 7 To 12, Add</i>	114.24	
07 31 13 13-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	695.97	373.91
			<i>For >35 To 75, Deduct</i>	-35.60	
			<i>For >75 To 100, Deduct</i>	-51.22	
			<i>For >100 To 200, Deduct</i>	-73.96	
			<i>For >200, Deduct</i>	-105.20	
			<i>For Steep Roof, Over 7 To 12, Add</i>	108.79	
07 31 13 13-0019			Asphalt Shingle Accessories (07 31 13 13)		
07 31 13 13-0020	LF		Hip And Ridge Roll Vent	9.21	1.37
			Note: Excludes shingles.		
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles	4.49	3.41
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles	5.35	3.80
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles.....	106.43	
07 31 16			Metal Shingles (07 31)		
07 31 16 00-0001			Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick.....	835.57	220.53
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick.....	1,116.75	241.03
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	14.92	3.18
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	15.57	3.18
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	10.12	3.18
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	11.40	3.18
07 31 16 00-0008			Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	656.25	192.22
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-10.87	
			<i>For >75 To 100, Deduct</i>	-28.64	
			<i>For >100 To 200, Deduct</i>	-49.12	
			<i>For >200, Deduct</i>	-66.88	
			<i>For Steep Roof, Over 7 To 12, Add</i>	123.04	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	630.59	190.68
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-9.97	
			<i>For >75 To 100, Deduct</i>	-26.99	
			<i>For >100 To 200, Deduct</i>	-46.49	
			<i>For >200, Deduct</i>	-63.50	
			<i>For Steep Roof, Over 7 To 12, Add</i>	121.99	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	1,052.44	192.22
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-26.72	
			<i>For >75 To 100, Deduct</i>	-56.37	
			<i>For >100 To 200, Deduct</i>	-92.70	
			<i>For >200, Deduct</i>	-122.35	
			<i>For Steep Roof, Over 7 To 12, Add</i>	123.04	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	966.82	190.68
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-23.42	
			<i>For >75 To 100, Deduct</i>	-50.52	
			<i>For >100 To 200, Deduct</i>	-83.48	
			<i>For >200, Deduct</i>	-110.57	
			<i>For Steep Roof, Over 7 To 12, Add</i>	121.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0013 LF Galvanized Steel Shingles, Ridge Or Valley.....	10.75	2.56
For Factory Applied 1" Polystyrene Insulation, Add	24.75	
For >50 To 75, Deduct	-0.23	
For >75 To 100, Deduct	-0.53	
For >100 To 200, Deduct	-0.88	
For >200, Deduct	-1.18	
For Steep Roof, Over 7 To 12, Add	1.61	
07 31 26 Slate Shingles (07 31)		
Note: Includes 30 LB felt and fasteners.		
07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)		
07 31 26 00-0002 SQ Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,498.66	327.95
For >50 To 75, Deduct	-30.80	
For >75 To 100, Deduct	-72.11	
For >100 To 200, Deduct	-121.13	
For >200, Deduct	-162.45	
For Graduated Shapes, Add	115.49	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0003 SQ Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,710.03	327.95
For >50 To 75, Deduct	-39.25	
For >75 To 100, Deduct	-86.91	
For >100 To 200, Deduct	-144.38	
For >200, Deduct	-192.04	
For Graduated Shapes, Add	147.20	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0004 SQ Slate Shingles, Penn Black Bangor.....	1,646.62	327.95
For >50 To 75, Deduct	-36.72	
For >75 To 100, Deduct	-82.47	
For >100 To 200, Deduct	-137.41	
For >200, Deduct	-183.16	
For Graduated Shapes, Add	137.69	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0005 SQ Slate Shingles, Vermont, Unfading Colors, Green.....	1,667.75	327.95
For >50 To 75, Deduct	-37.56	
For >75 To 100, Deduct	-83.95	
For >100 To 200, Deduct	-139.73	
For >200, Deduct	-186.12	
For Graduated Shapes, Add	140.86	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0006 SQ Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray.....	1,752.30	327.95
For >50 To 75, Deduct	-40.94	
For >75 To 100, Deduct	-89.87	
For >100 To 200, Deduct	-149.03	
For >200, Deduct	-197.96	
For Graduated Shapes, Add	153.54	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0007 SQ Slate Shingles, Vermont, Unfading Color, Purple.....	1,646.62	327.95
For >50 To 75, Deduct	-36.72	
For >75 To 100, Deduct	-82.47	
For >100 To 200, Deduct	-137.41	
For >200, Deduct	-183.16	
For Graduated Shapes, Add	137.69	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0008 SQ Slate Shingles, Vermont, Unfading Color, Black Or Gray.....	1,583.21	327.95
For >50 To 75, Deduct	-34.18	
For >75 To 100, Deduct	-78.03	
For >100 To 200, Deduct	-130.43	
For >200, Deduct	-174.28	
For Graduated Shapes, Add	128.18	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0009 SQ Slate Shingles, Vermont, Unfading Color, Red.....	2,903.94	327.95
For >50 To 75, Deduct	-87.01	
For >75 To 100, Deduct	-170.48	
For >100 To 200, Deduct	-275.71	
For >200, Deduct	-359.19	
For Graduated Shapes, Add	326.28	
For Steep Roof, Over 7 To 12, Add	233.19	
07 31 26 00-0010 SQ Slate Shingles, Vermont, Unfading Color, Variegated Purple.....	1,646.62	327.95
For >50 To 75, Deduct	-36.72	
For >75 To 100, Deduct	-82.47	
For >100 To 200, Deduct	-137.41	
For >200, Deduct	-183.16	
For Graduated Shapes, Add	137.69	
For Steep Roof, Over 7 To 12, Add	233.19	

07 31 29 Wood Shingles and Shakes (07 31)

07 31 29 13 Wood Shingles (07 31 29)

07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0003	SQ		3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	989.77	255.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	163.25	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	71.94	
07 31 29 13-0004	SQ		5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	718.36	191.30
			<i>For Steep Roof, Over 7 To 12, Add</i>	122.44	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	50.36	
07 31 29 13-0005	SQ		4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	877.26	216.81
			<i>For Steep Roof, Over 7 To 12, Add</i>	138.76	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	66.54	
07 31 29 13-0006	SQ		5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	718.66	178.56
			<i>For Steep Roof, Over 7 To 12, Add</i>	114.27	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	54.23	
07 31 29 13-0007	SQ		5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	942.34	168.99
			<i>For Steep Roof, Over 7 To 12, Add</i>	108.15	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	90.65	
07 31 29 13-0008	SQ		7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	731.16	143.48
			<i>For Steep Roof, Over 7 To 12, Add</i>	91.83	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	66.63	
07 31 29 13-0009			#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	698.95	229.57
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	35.97	
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	682.98	216.81
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	37.40	
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	693.53	188.12
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	47.59	
07 31 29 13-0013			#2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014			#2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	923.05	267.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	171.41	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	58.11	
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	823.61	242.32
			<i>For Steep Roof, Over 7 To 12, Add</i>	155.09	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	50.84	
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	876.49	242.32
			<i>For Steep Roof, Over 7 To 12, Add</i>	155.09	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	58.78	
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	782.20	216.81
			<i>For Steep Roof, Over 7 To 12, Add</i>	138.76	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	52.29	
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	759.63	168.99
			<i>For Steep Roof, Over 7 To 12, Add</i>	108.15	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	63.25	
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	621.76	146.67
			<i>For Steep Roof, Over 7 To 12, Add</i>	93.87	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	49.26	
07 31 29 13-0021			#2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	678.34	242.32
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	29.05	
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	655.06	229.57
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	29.39	
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	629.49	204.06
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	33.20	
07 31 29 16			Wood Shakes (07 31 29)		
07 31 29 16-0001			#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002			#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	724.41	207.25
			<i>For Steep Roof, Over 7 To 12, Add</i>	132.64	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	46.49	
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	827.71	207.25
			<i>For Steep Roof, Over 7 To 12, Add</i>	132.64	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	61.98	
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	764.11	168.99
			<i>For Steep Roof, Over 7 To 12, Add</i>	108.15	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	63.92	
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	808.01	168.99
			<i>For Steep Roof, Over 7 To 12, Add</i>	108.15	
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	70.50	
07 31 29 16-0007			#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	756.29	223.20
			<i>For Pressure-Impregnated Treated (Preservative), Add</i>	46.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0009 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	859.59 61.98	223.20
07 31 29 16-0010 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	808.75 63.92	191.30
07 31 29 16-0011 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For Pressure-Impregnated Treated (Preservative), Add</i>	852.65 70.50	191.30

07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)

07 31 29 19-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)

07 31 29 19-0002 LF Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative) Ridge, Add</i>	12.04 1.24 1.23	1.65
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07 31 33 Composite Rubber Shingles (07 31)

07 31 33 00-0001 SQ Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black. <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,437.16 135.39 346.93 189.12 -21.15 -57.08 -93.01 -143.72 99.84 199.68	295.53
07 31 33 00-0002 SQ Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	2,001.27 211.54 189.12 -35.26 -85.29 -135.32 -200.13 140.14 280.26	295.53
07 31 33 00-0003 SQ Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,669.44 388.24 189.12 -26.96 -68.70 -110.43 -166.94 116.43 232.86	295.53
07 31 33 00-0004 SQ Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	2,117.41 167.91 189.12 -38.16 -91.10 -144.03 -211.74 148.43 296.86	295.53
07 31 33 00-0005 LF Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	16.37	1.98

07 32 Roof Tiles (07 30)

07 32 13 Clay Roof Tiles (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002 SQ Lanai Or Classic Tile, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	1,406.67 -47.07 -94.01 -133.10 -164.34 -187.74 54.92	311.01
07 32 13 00-0003 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	1,658.13 -62.16 -119.15 -165.79 -202.06 -227.97 72.52	311.01

07 Thermal And Moisture Protection

07 30 Steep Slope Roofing

07 32 Roof Tiles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0004	SQ		Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,658.13	311.01
			For>25 To 50, Deduct	-62.16	
			For>50 To 75, Deduct	-119.15	
			For>75 To 100, Deduct	-165.79	
			For>100 To 200, Deduct	-202.06	
			For>200, Deduct	-227.97	
			For 20 Year Warranty, Add	72.52	
07 32 13 00-0005	SQ		Americana (Blue) Tile, 158 Piece Per SQ	1,871.49	311.01
			For>25 To 50, Deduct	-74.96	
			For>50 To 75, Deduct	-140.49	
			For>75 To 100, Deduct	-193.52	
			For>100 To 200, Deduct	-234.07	
			For>200, Deduct	-262.11	
			For 20 Year Warranty, Add	87.46	
07 32 13 00-0006	SQ		French Tile Roofing, Red, 133 Piece Per SQ	1,680.28	380.27
			For>25 To 50, Deduct	-55.19	
			For>50 To 75, Deduct	-110.99	
			For>75 To 100, Deduct	-157.59	
			For>100 To 200, Deduct	-195.00	
			For>200, Deduct	-223.21	
			For 20 Year Warranty, Add	64.38	
07 32 13 00-0007	SQ		French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,055.62	380.27
			For>25 To 50, Deduct	-77.71	
			For>50 To 75, Deduct	-148.52	
			For>75 To 100, Deduct	-206.39	
			For>100 To 200, Deduct	-251.30	
			For>200, Deduct	-283.27	
			For 20 Year Warranty, Add	90.66	
07 32 13 00-0008	SQ		Norman Tile Roofing, 317 Piece Per SQ	2,633.22	513.02
			For>25 To 50, Deduct	-96.45	
			For>50 To 75, Deduct	-186.39	
			For>75 To 100, Deduct	-260.26	
			For>100 To 200, Deduct	-318.06	
			For>200, Deduct	-359.77	
			For 20 Year Warranty, Add	112.53	
07 32 13 00-0009	SQ		Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,492.49	380.27
			For>25 To 50, Deduct	-43.92	
			For>50 To 75, Deduct	-92.21	
			For>75 To 100, Deduct	-133.18	
			For>100 To 200, Deduct	-166.83	
			For>200, Deduct	-193.17	
			For 20 Year Warranty, Add	51.24	
07 32 13 00-0010	SQ		Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,796.54	380.27
			For>25 To 50, Deduct	-62.16	
			For>50 To 75, Deduct	-122.62	
			For>75 To 100, Deduct	-172.71	
			For>100 To 200, Deduct	-212.44	
			For>200, Deduct	-241.82	
			For 20 Year Warranty, Add	72.52	
07 32 13 00-0011	SQ		Spanish Tile Roofing, Red, 171 Piece Per SQ	1,262.63	284.72
			For>25 To 50, Deduct	-41.59	
			For>50 To 75, Deduct	-83.55	
			For>75 To 100, Deduct	-118.58	
			For>100 To 200, Deduct	-146.68	
			For>200, Deduct	-167.85	
			For 20 Year Warranty, Add	48.52	
07 32 13 00-0012	SQ		Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,590.29	284.72
			For>25 To 50, Deduct	-61.25	
			For>50 To 75, Deduct	-116.32	
			For>75 To 100, Deduct	-161.18	
			For>100 To 200, Deduct	-195.83	
			For>200, Deduct	-220.28	
			For 20 Year Warranty, Add	71.45	
07 32 13 00-0013	SQ		Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,872.23	284.72
			For>25 To 50, Deduct	-78.16	
			For>50 To 75, Deduct	-144.51	
			For>75 To 100, Deduct	-197.83	
			For>100 To 200, Deduct	-238.12	
			For>200, Deduct	-265.39	
			For 20 Year Warranty, Add	91.19	
07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,309.65	446.32
			For>25 To 50, Deduct	-85.02	
			For>50 To 75, Deduct	-164.02	
			For>75 To 100, Deduct	-228.84	
			For>100 To 200, Deduct	-279.50	
			For>200, Deduct	-315.99	
			For 20 Year Warranty, Add	99.19	
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ	1,079.01	311.01
			For>25 To 50, Deduct	-27.41	
			For>50 To 75, Deduct	-61.24	
			For>75 To 100, Deduct	-90.50	
			For>100 To 200, Deduct	-115.19	
			For>200, Deduct	-135.32	
			For 20 Year Warranty, Add	31.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 32 13 00-0016 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ	1,452.40	446.32
<i>For >25 To 50, Deduct</i>	-33.59	
<i>For >50 To 75, Deduct</i>	-78.29	
<i>For >75 To 100, Deduct</i>	-117.40	
<i>For >100 To 200, Deduct</i>	-150.91	
<i>For >200, Deduct</i>	-178.83	
<i>For 20 Year Warranty, Add</i>	39.18	

07 32 16 Concrete Roof Tiles (07 32)

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earhtone Colors, Corrugated	1,217.02	471.45
<i>For >50 To 75, Deduct</i>	-10.96	
<i>For >75 To 100, Deduct</i>	-42.75	
<i>For >100 To 200, Deduct</i>	-77.29	
<i>For >200, Deduct</i>	-109.09	
<i>For Steep Roof, Over 7 To 12, Add</i>	301.77	
<i>For >50 To 75, Deduct</i>	-21.79	
<i>For >75 To 100, Deduct</i>	-61.72	
<i>For >100 To 200, Deduct</i>	-107.09	
<i>For >200, Deduct</i>	-147.01	
<i>For Steep Roof, Over 7 To 12, Add</i>	301.77	
<i>For >50 To 75, Deduct</i>	-13.13	
<i>For >75 To 100, Deduct</i>	-46.55	
<i>For >100 To 200, Deduct</i>	-83.25	
<i>For >200, Deduct</i>	-116.67	
<i>For Steep Roof, Over 7 To 12, Add</i>	301.77	
<i>For >50 To 75, Deduct</i>	-13.67	
<i>For >75 To 100, Deduct</i>	-45.01	
<i>For >100 To 200, Deduct</i>	-79.78	
<i>For >200, Deduct</i>	-111.12	
<i>For Steep Roof, Over 7 To 12, Add</i>	270.01	

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007 EA Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	4.57	
<i>For >50 To 75, Deduct</i>	-0.90	
<i>For >75 To 100, Deduct</i>	-2.05	
<i>For >100 To 200, Deduct</i>	-3.42	
<i>For >200, Deduct</i>	-5.05	

07 34 Roofing Underlayment (07 30)

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0002 SQ 15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	41.51	9.52
<i>For Steep Roof, Over 7 To 12, Add</i>	6.10	
<i>For >50 To 75, Deduct</i>	-0.90	
<i>For >75 To 100, Deduct</i>	-2.05	
<i>For >100 To 200, Deduct</i>	-3.42	
<i>For >200, Deduct</i>	-5.05	
<i>For Steep Roof, Over 7 To 12, Add</i>	8.38	
<i>For >50 To 75, Deduct</i>	-1.50	
<i>For >75 To 100, Deduct</i>	-3.28	
<i>For >100 To 200, Deduct</i>	-5.44	
<i>For >200, Deduct</i>	-7.88	
<i>For Steep Roof, Over 7 To 12, Add</i>	8.38	
<i>For >50 To 75, Deduct</i>	-1.78	
<i>For >75 To 100, Deduct</i>	-3.78	
<i>For >100 To 200, Deduct</i>	-6.22	
<i>For >200, Deduct</i>	-8.87	
<i>For Steep Roof, Over 7 To 12, Add</i>	12.70	
<i>For >50 To 75, Deduct</i>	-1.60	
<i>For >75 To 100, Deduct</i>	-3.80	
<i>For >100 To 200, Deduct</i>	-6.40	
<i>For >200, Deduct</i>	-9.58	
<i>For Steep Roof, Over 7 To 12, Add</i>	12.70	
<i>For >50 To 75, Deduct</i>	-1.94	
<i>For >75 To 100, Deduct</i>	-4.39	
<i>For >100 To 200, Deduct</i>	-7.32	
<i>For >200, Deduct</i>	-10.75	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	101.96	19.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.70	
			<i>For >50 To 75, Deduct</i>	-2.49	
			<i>For >75 To 100, Deduct</i>	-5.35	
			<i>For >100 To 200, Deduct</i>	-8.83	
			<i>For >200, Deduct</i>	-12.69	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	95.06	19.84
			<i>For Steep Roof, Over 7 To 12, Add</i>	12.70	
			<i>For >50 To 75, Deduct</i>	-2.21	
			<i>For >75 To 100, Deduct</i>	-4.87	
			<i>For >100 To 200, Deduct</i>	-8.08	
			<i>For >200, Deduct</i>	-11.72	
07 34 00 00-0009			Self-Adhering, Roofing Underlayment ^(07 34) Note: Standard slope.		
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	162.64	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-4.58	
			<i>For >75 To 100, Deduct</i>	-9.22	
			<i>For >100 To 200, Deduct</i>	-15.00	
			<i>For >200, Deduct</i>	-20.85	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	242.63	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-7.78	
			<i>For >75 To 100, Deduct</i>	-14.82	
			<i>For >100 To 200, Deduct</i>	-23.80	
			<i>For >200, Deduct</i>	-32.04	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	172.53	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-4.98	
			<i>For >75 To 100, Deduct</i>	-9.91	
			<i>For >100 To 200, Deduct</i>	-16.09	
			<i>For >200, Deduct</i>	-22.23	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	162.64	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-4.58	
			<i>For >75 To 100, Deduct</i>	-9.22	
			<i>For >100 To 200, Deduct</i>	-15.00	
			<i>For >200, Deduct</i>	-20.85	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	231.09	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-7.32	
			<i>For >75 To 100, Deduct</i>	-14.01	
			<i>For >100 To 200, Deduct</i>	-22.53	
			<i>For >200, Deduct</i>	-30.43	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	194.95	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-5.87	
			<i>For >75 To 100, Deduct</i>	-11.48	
			<i>For >100 To 200, Deduct</i>	-18.56	
			<i>For >200, Deduct</i>	-25.37	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	288.09	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-9.60	
			<i>For >75 To 100, Deduct</i>	-18.00	
			<i>For >100 To 200, Deduct</i>	-28.80	
			<i>For >200, Deduct</i>	-38.41	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	328.89	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-11.23	
			<i>For >75 To 100, Deduct</i>	-20.86	
			<i>For >100 To 200, Deduct</i>	-33.29	
			<i>For >200, Deduct</i>	-44.12	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	481.97	24.08
			<i>For Steep Roof, Over 7 To 12, Add</i>	15.40	
			<i>For >50 To 75, Deduct</i>	-17.35	
			<i>For >75 To 100, Deduct</i>	-31.57	
			<i>For >100 To 200, Deduct</i>	-50.13	
			<i>For >200, Deduct</i>	-65.55	

07 40 Roofing and Siding Panels⁽⁰⁷⁾



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001	Exposed Fastener Metal Roofing <small>(07 41 13)</small>		
	Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.		
07 41 13 00-0002	Galvanized Exposed Fastener Metal Roofing <small>(07 41 13 00-0001)</small>		
07 41 13 00-0003	Galvanized Steel Exposed Fastener Metal Roof Panels <small>(07 41 13 00-0002)</small>		
07 41 13 00-0004	SF 18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.80	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0005	SF 20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.09	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0006	SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.59	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0007	SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.10	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0008	SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.69	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0009	SF 28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.34	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0010	SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.20	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0011	Galvanized Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0002)</small>		
	See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012	LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing.....	28.51	3.10
	For Steep Roof, Over 7 To 12, Add	4.01	
	For Fluoropolymer (Kynar®) Coating, Add	1.60	
07 41 13 00-0013	LF 9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing.....	17.82	2.03
	For Steep Roof, Over 7 To 12, Add	2.67	
	For Fluoropolymer (Kynar®) Coating, Add	0.95	
07 41 13 00-0014	LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	34.79	3.10
	For Steep Roof, Over 7 To 12, Add	4.01	
	For Fluoropolymer (Kynar®) Coating, Add	2.23	
07 41 13 00-0015	LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing.....	29.08	3.10
	For Steep Roof, Over 7 To 12, Add	4.01	
	For Fluoropolymer (Kynar®) Coating, Add	1.66	
07 41 13 00-0016	Aluminum Exposed Fastener Metal Roofing <small>(07 41 13 00-0001)</small>		
07 41 13 00-0017	Aluminum Exposed Fastener Metal Roof Panels <small>(07 41 13 00-0016)</small>		
07 41 13 00-0018	SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	6.34	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0019	SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	6.60	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0020	SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	7.21	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0021	SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	8.02	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0022	SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	8.83	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0023	SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	9.84	2.98
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
	For Steep Roof, Over 7 To 12, Add	1.53	
07 41 13 00-0024	Aluminum Exposed Fastener Metal Roof Accessories <small>(07 41 13 00-0016)</small>		
07 41 13 00-0025	LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	32.36	3.10
	For Steep Roof, Over 7 To 12, Add	4.01	
	For Fluoropolymer (Kynar®) Coating, Add	1.98	
07 41 13 00-0026	LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing.....	20.04	2.15
	For Steep Roof, Over 7 To 12, Add	2.67	
	For Fluoropolymer (Kynar®) Coating, Add	1.17	
07 41 13 00-0027	LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing.....	40.20	3.10
	For Steep Roof, Over 7 To 12, Add	4.01	
	For Fluoropolymer (Kynar®) Coating, Add	2.77	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	33.07 4.01 2.05	3.10
07 41 13 00-0029			Standing Seam Roofs (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.61 1.90 1.85 0.78 3.40 2.04 0.34	3.16
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.30 1.90 1.89 0.79 3.58 2.15 0.36	3.16
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.01 1.90 1.82 0.77 3.25 1.95 0.33	3.16
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.25 1.90 1.83 0.77 3.31 1.99 0.33	3.16
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.52 1.90 1.85 0.78 3.38 2.03 0.34	3.16
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.51 1.90 1.90 0.80 3.63 2.18 0.36	3.16
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.11 3.76 1.60	3.10
07 41 13 00-0040	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	18.77 2.51 1.04	2.15
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	37.01 3.76 1.74	3.10
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.73 3.76 1.62	3.10
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	14.09	3.16
<i>For Steep Roof, Over 6 To 12, Add</i>	1.90	
<i>For Panels <16" Wide, Add</i>	1.88	
<i>For 140 MPH Wind Load, Add</i>	0.79	
<i>For Up To 1,500, Add</i>	3.52	
<i>For >1,500 To 5,000, Add</i>	2.11	
<i>For >5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	14.67	3.16
<i>For Steep Roof, Over 6 To 12, Add</i>	1.90	
<i>For Panels <16" Wide, Add</i>	1.90	
<i>For 140 MPH Wind Load, Add</i>	0.80	
<i>For Up To 1,500, Add</i>	3.67	
<i>For >1,500 To 5,000, Add</i>	2.20	
<i>For >5,000 To 10,000, Add</i>	0.37	
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.76	3.16
<i>For Steep Roof, Over 6 To 12, Add</i>	1.90	
<i>For Panels <16" Wide, Add</i>	1.86	
<i>For 140 MPH Wind Load, Add</i>	0.78	
<i>For Up To 1,500, Add</i>	3.44	
<i>For >1,500 To 5,000, Add</i>	2.06	
<i>For >5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.83	3.16
<i>For Steep Roof, Over 6 To 12, Add</i>	1.90	
<i>For Panels <16" Wide, Add</i>	1.91	
<i>For 140 MPH Wind Load, Add</i>	0.80	
<i>For Up To 1,500, Add</i>	3.71	
<i>For >1,500 To 5,000, Add</i>	2.22	
<i>For >5,000 To 10,000, Add</i>	0.37	
07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	34.34	3.10
<i>For Steep Roof, Over 6 To 12, Add</i>	3.76	
<i>For 140 MPH Wind Load, Add</i>	1.69	
07 41 13 00-0051 LF 9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	21.21	2.15
<i>For Steep Roof, Over 6 To 12, Add</i>	2.51	
<i>For 140 MPH Wind Load, Add</i>	1.09	
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	42.97	3.10
<i>For Steep Roof, Over 6 To 12, Add</i>	3.76	
<i>For 140 MPH Wind Load, Add</i>	1.86	
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	35.13	3.10
<i>For Steep Roof, Over 6 To 12, Add</i>	3.76	
<i>For 140 MPH Wind Load, Add</i>	1.71	
07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	26.24	3.79
<i>For Steep Roof, Over 6 To 12, Add</i>	2.85	
<i>For Panels <16" Wide, Add</i>	3.07	
<i>For 140 MPH Wind Load, Add</i>	1.28	
<i>For Up To 1,500, Add</i>	6.56	
<i>For >1,500 To 5,000, Add</i>	3.94	
<i>For >5,000 To 10,000, Add</i>	0.66	
07 41 13 00-0057 SF Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	29.81	3.79
<i>For Steep Roof, Over 6 To 12, Add</i>	2.85	
<i>For Panels <16" Wide, Add</i>	3.25	
<i>For 140 MPH Wind Load, Add</i>	1.36	
<i>For Up To 1,500, Add</i>	7.45	
<i>For >1,500 To 5,000, Add</i>	4.47	
<i>For >5,000 To 10,000, Add</i>	0.75	
07 41 13 00-0058 SF Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.03	3.79
<i>For Steep Roof, Over 6 To 12, Add</i>	2.85	
<i>For Panels <16" Wide, Add</i>	3.46	
<i>For 140 MPH Wind Load, Add</i>	1.44	
<i>For Up To 1,500, Add</i>	8.51	
<i>For >1,500 To 5,000, Add</i>	5.10	
<i>For >5,000 To 10,000, Add</i>	0.85	
07 41 13 00-0059 SF Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.45	3.79
<i>For Steep Roof, Over 6 To 12, Add</i>	2.85	
<i>For Panels <16" Wide, Add</i>	3.73	
<i>For 140 MPH Wind Load, Add</i>	1.55	
<i>For Up To 1,500, Add</i>	9.86	
<i>For >1,500 To 5,000, Add</i>	5.92	
<i>For >5,000 To 10,000, Add</i>	0.99	
07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0061 LF Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	79.26	3.46
<i>For Steep Roof, Over 6 To 12, Add</i>	4.15	
<i>For 140 MPH Wind Load, Add</i>	2.69	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0062 LF 9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	42.93 2.76 1.59	2.26
07 41 13 00-0063 LF Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	109.10 4.12 3.28	3.46
07 41 13 00-0064 LF Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	81.63 4.15 2.74	3.46
07 41 13 00-0065 Metal Roof Surfacing (07 41 13)		
07 41 13 00-0066 SF Acrylic, Metal Roof Primer, One Coat..... <i>For Steep Roof, Over 7 To 12, Add</i>	0.81 0.17	
07 41 13 00-0067 SF Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	1.06 0.17	
07 41 33 Plastic Roof Panels (07 41)		
07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide.....	8.79	2.65
07 41 33 00-0004 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide.....	8.51	2.39
07 41 33 00-0005 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	9.18	2.65
07 41 33 00-0006 SF Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	8.84	2.39
07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008 LF 1" "J" Channel, Starter Strip Trim.....	5.15	1.99
07 41 33 00-0009 LF 3-1/2" "J" Channel, Starter Strip Trim.....	8.11	1.99
07 41 33 00-0010 LF Outside Corner Post, 7/8" Pocket.....	8.97	1.99
07 41 33 00-0011 LF Inside Corner Post, 7/8" Pocket.....	6.67	1.99
07 41 33 00-0012 Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013 Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014 SF 8 Ounce Corrugated Fiberglass Panel.....	7.85	2.13
07 41 33 00-0015 SF 12 Ounce Corrugated Fiberglass Panel.....	9.01	2.13
07 42 Wall Panels (07 40)		
07 42 13 Metal Wall Panels (07 42)		
07 42 13 19 Insulated Metal Wall Panels (07 42 13)		
07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19) Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002 SF 1" Insulated Panel For Sash Or Window Replacement..... <i>For Non-Insulated Panels, Deduct</i>	32.99 -5.68	5.10
07 42 13 19-0003 SF 1-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	35.66 -6.07	5.74
07 42 13 19-0004 SF 1-3/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	38.09 -6.46	6.37
07 42 13 19-0005 SF 2-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	40.68 -6.85	6.64
07 42 13 19-0006 SF 3-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	46.33 -7.96	7.27
07 42 13 19-0007 SF 4-1/4" Insulated Panel For Sash Or Window Replacement <i>For Non-Insulated Panels, Deduct</i>	54.15 -9.55	8.04
07 42 13 23 Metal Composite Material Wall Panels (07 42 13)		
07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23) Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002 SF 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	23.39 0.24 0.12	2.75
07 42 13 23-0003 SF 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels..... <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	26.25 0.24 0.12	3.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 42 13 23-0004	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	28.65 0.24 0.12	3.52
07 42 13 23-0005	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	31.93 0.24 0.12	4.65

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)
Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)
Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF		2" 22 Gauge Freezer Panel Sheet Metal Both Faces	29.29	1.94
07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces	31.11	1.94
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.27	1.94
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces	40.42	2.05
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces	42.99	2.05
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	26.32	1.60
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	28.75	1.60
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	34.89	1.71
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	33.75	1.71
07 42 63 00-0012	SF		6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	39.92	1.71

07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)
Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF		2" Freezer Panel 0.040" Aluminum Finish Both Faces	24.52	1.94
07 42 63 00-0015	SF		3" Freezer Panel 0.040" Aluminum Finish Both Faces	26.40	1.94
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces	31.20	1.94
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces	34.14	2.05
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces	36.16	2.05
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	22.09	1.60
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.98	1.60
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	25.93	1.71
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	30.72	1.71
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	33.64	1.71

07 42 93 Soffit Panels (07 42)

07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)
Note: Excludes J-channel.

07 42 93 00-0002	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	5.09 -0.11	1.78
07 42 93 00-0003	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	6.28 -0.18	1.87
07 42 93 00-0004	LF		1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	6.88 -0.22	1.92
07 42 93 00-0005	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	8.58 -0.33	2.02
07 42 93 00-0006	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	10.50 -0.44	2.22
07 42 93 00-0007	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	13.95 -0.66	2.45
07 42 93 00-0008	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	17.46 -0.88	2.70
07 42 93 00-0009	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit <i>For 0.015" Thick, Deduct</i>	21.02 -1.10	2.97
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia	5.96	1.75
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia	6.51	1.78
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia	7.63	1.84
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia	8.83	1.87

07 46 Siding (07 40)

07 46 16 Aluminum Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF		0.016" Thick, Aluminum Clad Siding	13.09	4.27
07 46 16 00-0003	SF		0.019" Thick, Aluminum Clad Siding	13.26	4.27
07 46 16 00-0004	SF		0.024" Thick, Aluminum Clad Siding	13.55	4.27

07 46 16 00-0005 Aluminum Siding Panels (07 46 16)

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0006			Corrugated Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007	SF		0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.37	2.38
07 46 16 00-0008	SF		0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.78	2.38
07 46 16 00-0009	SF		0.024", Painted Finish, Corrugated Aluminum Siding Panel	11.06	2.38
07 46 16 00-0010	SF		0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.57	2.38
07 46 16 00-0011			V- Beam Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012	SF		0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.47	2.38
07 46 16 00-0013	SF		0.040", Painted Finish, V- Beam Aluminum Siding Panel	15.15	2.38
07 46 16 00-0014	SF		0.050", Painted Finish, V- Beam Aluminum Siding Panel	19.14	2.38
07 46 16 00-0015			Box Ribbed Aluminum Siding Panels (07 46 16 00-0005) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016	SF		0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.21	2.38
07 46 16 00-0017	SF		0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.84	2.38
07 46 16 00-0018	SF		0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.83	2.38
07 46 16 00-0019			Aluminum Siding Accessories (07 46 16)		
07 46 16 00-0020	LF		3/8" Pocket, Aluminum J-Channel	3.96	1.67
07 46 16 00-0021	LF		1/2" Pocket, Aluminum J-Channel	3.96	1.67
07 46 16 00-0022	LF		3/4" Pocket, Aluminum J-Channel	4.65	1.67
07 46 16 00-0023	LF		3/8" Pocket, Aluminum F-Channel	4.28	1.67
07 46 16 00-0024	LF		1/2" Pocket, Aluminum F-Channel	4.28	1.67
07 46 19			Steel Siding (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001			Steel Siding Panels (07 46 19)		
07 46 19 00-0002			Corrugated Steel Siding Panels (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF		20 Gauge, Painted Finish, Corrugated Steel Siding Panel	13.71	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	2.24	
07 46 19 00-0004	SF		22 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.55	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.95	
07 46 19 00-0005	SF		24 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.27	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.88	
07 46 19 00-0006	SF		26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.86	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.02	
07 46 19 00-0007	SF		28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.62	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.96	
07 46 19 00-0008	SF		30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.46	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.92	
07 46 19 00-0009			Box Ribbed Steel Siding Panels (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF		20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.84	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	2.02	
07 46 19 00-0011	SF		22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.32	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.89	
07 46 19 00-0012	SF		24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.98	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.80	
07 46 19 00-0013	SF		26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.40	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.66	
07 46 19 00-0014	SF		28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.16	2.38
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.35	
07 46 19 00-0015			Clapboard Steel Siding Panels (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF		29 Gauge, Painted Finish, Clapboard Steel Siding Panel	10.26	1.19
07 46 23			Wood Siding (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001			Wood Lap Siding (07 46 23)		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding	4.48	1.73
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding	5.03	1.85
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding	5.60	1.96
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.78	1.73
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.30	1.73
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.40	1.73
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.84	1.73
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding	6.22	1.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 23 00-0010 LF 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	4.32	1.85
07 46 23 00-0011 LF 1" x 8" Cedar Beveled Siding, Channel, Rustic.....	4.32	1.85
07 46 23 00-0012 Tongue And Groove Siding (07 46 23)		
07 46 23 00-0013 SF 1" x 6" Tongue And Groove Southern Yellow Pine Siding.....	4.47	1.73
07 46 23 00-0014 SF 1" x 8" Tongue And Groove Southern Yellow Pine Siding.....	4.93	1.73
07 46 23 00-0015 SF 1" x 6" 105 Southern Yellow Pine Siding.....	4.58	1.73
07 46 23 00-0016 SF 1" x 8" 105 Southern Yellow Pine Siding.....	5.20	1.73
07 46 29 Plywood Siding (07 46)		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001 T-111 Siding (07 46 29)		
07 46 29 00-0002 SF 5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....	3.28	0.90
For Pressure Treated, Add		
	0.18	
07 46 33 Plastic Siding (07 46)		
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001 Vinyl Siding (07 46 33)		
Note: Includes standard manufacturer's colors.		
07 46 33 00-0002 Vinyl Siding Panels (07 46 33 00-0001)		
Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003 Horizontal Vinyl Siding Panels (07 46 33 00-0002)		
Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004 SF 7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.92	2.19
For 0.040" Thick, Deduct		
	-0.21	
For 0.042" Thick, Deduct		
	-0.08	
For 0.046" Thick, Add		
	0.62	
For Manufacturer's Custom Colors, Add		
	0.08	
07 46 33 00-0005 SF 8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.67	2.06
For 0.040" Thick, Deduct		
	-0.21	
For 0.042" Thick, Deduct		
	-0.08	
For 0.046" Thick, Add		
	0.62	
For Manufacturer's Custom Colors, Add		
	0.08	
07 46 33 00-0006 SF 9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.48	1.96
For 0.040" Thick, Deduct		
	-0.21	
For 0.042" Thick, Deduct		
	-0.08	
For 0.046" Thick, Add		
	0.62	
For Manufacturer's Custom Colors, Add		
	0.08	
07 46 33 00-0007 SF 10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.28	1.86
For 0.040" Thick, Deduct		
	-0.21	
For 0.042" Thick, Deduct		
	-0.08	
For 0.046" Thick, Add		
	0.62	
For Manufacturer's Custom Colors, Add		
	0.08	
07 46 33 00-0008 SF 12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.03	1.73
For 0.040" Thick, Deduct		
	-0.21	
For 0.042" Thick, Deduct		
	-0.08	
For 0.046" Thick, Add		
	0.62	
For Manufacturer's Custom Colors, Add		
	0.08	
07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)		
07 46 33 00-0010 SF 7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	7.13	2.19
For Manufacturer's Custom Colors, Add		
	0.14	
07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)		
07 46 33 00-0012 LF 3/4" Pocket, Outside Corner Post For Vinyl Siding.....	7.31	1.67
For Manufacturer's Custom Colors, Add		
	0.20	
07 46 33 00-0013 LF 1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	13.38	1.67
For Manufacturer's Custom Colors, Add		
	0.50	
07 46 33 00-0014 LF 3/4" Pocket, Inside Corner Post For Vinyl Siding.....	5.79	1.67
For Manufacturer's Custom Colors, Add		
	0.12	
07 46 33 00-0015 LF 1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	7.06	1.67
For Manufacturer's Custom Colors, Add		
	0.19	
07 46 33 00-0016 LF 3/8" Pocket, J-Channel For Vinyl Siding.....	4.29	1.67
For Manufacturer's Custom Colors, Add		
	0.06	
07 46 33 00-0017 LF 1/2" Pocket, J-Channel For Vinyl Siding.....	4.00	1.67
For Manufacturer's Custom Colors, Add		
	0.05	
07 46 33 00-0018 LF 5/8" Pocket, J-Channel For Vinyl Siding.....	3.94	1.67
For Manufacturer's Custom Colors, Add		
	0.04	
07 46 33 00-0019 LF 3/4" Pocket, J-Channel For Vinyl Siding.....	4.13	1.67
For Manufacturer's Custom Colors, Add		
	0.05	
07 46 33 00-0020 LF 1" Pocket, J-Channel For Vinyl Siding.....	4.90	1.67
For Manufacturer's Custom Colors, Add		
	0.08	
07 46 33 00-0021 LF 1-1/4" Pocket, J-Channel For Vinyl Siding.....	5.35	1.67
For Manufacturer's Custom Colors, Add		
	0.10	
07 46 33 00-0022 LF 2-1/2" Pocket, J-Channel For Vinyl Siding.....	5.98	1.67
For Manufacturer's Custom Colors, Add		
	0.09	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	4.07	1.67
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	9.30	2.31
			<i>For Manufacturer's Custom Colors, Add</i>	0.23	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	9.72	2.31
			<i>For Manufacturer's Custom Colors, Add</i>	0.26	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	10.67	2.31
			<i>For Manufacturer's Custom Colors, Add</i>	0.30	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	5.54	1.67
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	6.88	1.67
			<i>For Manufacturer's Custom Colors, Add</i>	0.18	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	5.91	1.67
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0030			Vinyl Soffit And Fascia (07 46 33 00-0001)		
			Note: Excludes J-channel.		
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	5.01	1.78
			<i>For 0.038" Thick, Deduct</i>	-0.64	
			<i>For 0.040" Thick, Deduct</i>	-0.55	
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.14	1.87
			<i>For 0.038" Thick, Deduct</i>	-1.08	
			<i>For 0.040" Thick, Deduct</i>	-0.90	
			<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0033	LF		1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.72	1.92
			<i>For 0.038" Thick, Deduct</i>	-1.30	
			<i>For 0.040" Thick, Deduct</i>	-1.10	
			<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	8.34	2.02
			<i>For 0.038" Thick, Deduct</i>	-1.97	
			<i>For 0.040" Thick, Deduct</i>	-1.65	
			<i>For Manufacturer's Custom Colors, Add</i>	0.21	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	10.18	2.22
			<i>For 0.038" Thick, Deduct</i>	-2.63	
			<i>For 0.040" Thick, Deduct</i>	-2.19	
			<i>For Manufacturer's Custom Colors, Add</i>	0.29	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	13.48	2.45
			<i>For 0.038" Thick, Deduct</i>	-3.93	
			<i>For 0.040" Thick, Deduct</i>	-3.29	
			<i>For Manufacturer's Custom Colors, Add</i>	0.43	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	16.83	2.70
			<i>For 0.038" Thick, Deduct</i>	-5.26	
			<i>For 0.040" Thick, Deduct</i>	-4.41	
			<i>For Manufacturer's Custom Colors, Add</i>	0.57	
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	20.23	2.97
			<i>For 0.038" Thick, Deduct</i>	-6.56	
			<i>For 0.040" Thick, Deduct</i>	-5.50	
			<i>For Manufacturer's Custom Colors, Add</i>	0.72	
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia.....	5.21	1.75
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia.....	5.80	1.78
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia.....	5.74	1.84
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia.....	6.56	1.87
			<i>For Manufacturer's Custom Colors, Add</i>	0.14	
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels.....	7.72	2.56
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels.....	8.20	2.31
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels.....	9.09	2.31
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels.....	7.40	2.31
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels.....	8.20	2.31
07 46 46			Fiber-Cement Siding (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.93	2.70
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.60	2.56
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.45	2.50
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.29	2.44
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	6.00	2.31
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.71	2.19
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	1.51	0.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0009 Fiber Cement Shingle Siding <small>(07 46 46)</small>		
07 46 46 00-0010 SF Fiber Cement Shingle Siding	9.46	2.38
07 46 46 00-0011 Fiber Cement Vertical Panel Siding <small>(07 46 46)</small>		
07 46 46 00-0012 SF Fiber Cement Vertical Panel Siding	5.07	1.92
07 46 46 00-0013 Fiber Cement Trim Boards <small>(07 46 46)</small>		
07 46 46 00-0014 7/16" Thick, Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0015 LF 4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.31	1.28
07 46 46 00-0016 LF 6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.08	1.41
07 46 46 00-0017 LF 8" Wide, 7/16" Thick, Fiber Cement Trim Board	4.80	1.54
07 46 46 00-0018 LF 12" Wide, 7/16" Thick, Fiber Cement Trim Board	6.15	1.80
07 46 46 00-0019 3/4" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0020 LF 4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.43	1.28
07 46 46 00-0021 LF 6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.27	1.41
07 46 46 00-0022 LF 8" Wide, 3/4" Thick, Fiber Cement Trim Board	5.11	1.54
07 46 46 00-0023 LF 12" Wide, 3/4" Thick, Fiber Cement Trim Board	5.46	1.80
07 46 46 00-0024 1" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0025 LF 4" Wide, 1" Thick, Fiber Cement Trim Board	3.59	1.28
07 46 46 00-0026 LF 6" Wide, 1" Thick, Fiber Cement Trim Board	4.55	1.41
07 46 46 00-0027 LF 8" Wide, 1" Thick, Fiber Cement Trim Board	5.51	1.54
07 46 46 00-0028 LF 12" Wide, 1" Thick, Fiber Cement Trim Board	7.18	1.80
07 46 46 00-0029 Fiber Cement Fascia Board <small>(07 46 46)</small>		
07 46 46 00-0030 LF 5/4" x 3-1/2" Fiber Cement Fascia Board	6.28	2.55
07 46 46 00-0031 LF 5/4" x 5-1/2" Fiber Cement Fascia Board	7.54	2.83
07 46 46 00-0032 LF 5/4" x 7-1/4" Fiber Cement Fascia Board	8.13	2.83
07 46 46 00-0033 LF 5/4" x 11-1/4" Fiber Cement Fascia Board	10.41	3.33
07 46 46 00-0034 Fiber Cement Soffit Boards <small>(07 46 46)</small>		
07 46 46 00-0035 SF 1/4" Thick, Non-Vented Fiber Cement Soffit	7.69	1.84
07 46 46 00-0036 SF 1/4" Thick, Vented Fiber Cement Soffit	8.21	1.84
07 46 63 Fabricated Panel Assemblies with Siding <small>(07 46)</small>		
07 46 63 00-0001 Metal Liner Panels <small>(07 46 63)</small>		
07 46 63 00-0002 Galvanized Metal Liner Panels <small>(07 46 63 00-0001)</small>		
07 46 63 00-0003 SF 24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	10.84	2.06
07 46 63 00-0004 SF 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.91	2.06
07 46 63 00-0005 SF 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.80	2.06
07 46 63 00-0006 SF 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.99	2.06
07 50 Membrane Roofing <small>(07)</small>		
See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.		
07 51 Built-Up Bituminous Roofing <small>(07 50)</small>		
07 51 13 Built-Up Asphalt Roofing <small>(07 51)</small>		
07 51 13 00-0001 Built-Up Asphalt Roofing Components <small>(07 51 13)</small>		
07 51 13 00-0002 Built-Up Asphalt Membrane Roofing <small>(07 51 13 00-0001)</small>		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing <small>(07 51 13 00-0002)</small>		
Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets <small>(07 51 13 00-0003)</small>		
07 51 13 00-0005 SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	120.49	
For Up To 10, Add	32.45	
For >10 To 20, Add	18.31	
For >20 To 40, Add	10.20	
For >75 To 100, Deduct	-5.10	
For >100 To 200, Deduct	-11.24	
For >200, Deduct	-16.34	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0006	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	325.73	
			<i>For Up To 10, Add</i>	73.49	
			<i>For >10 To 20, Add</i>	38.83	
			<i>For >20 To 40, Add</i>	20.46	
			<i>For >75 To 100, Deduct</i>	-10.23	
			<i>For >100 To 200, Deduct</i>	-21.50	
			<i>For >200, Deduct</i>	-31.73	
07 51 13 00-0007			Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	7.95	
07 51 13 00-0009			Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010			Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	89.87	
			<i>For Up To 10, Add</i>	26.45	
			<i>For >10 To 20, Add</i>	15.34	
			<i>For >20 To 40, Add</i>	8.73	
			<i>For >75 To 100, Deduct</i>	-4.37	
			<i>For >100 To 200, Deduct</i>	-9.79	
			<i>For >200, Deduct</i>	-14.16	
07 51 13 00-0012	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	95.72	
			<i>For Up To 10, Add</i>	27.62	
			<i>For >10 To 20, Add</i>	15.93	
			<i>For >20 To 40, Add</i>	9.02	
			<i>For >75 To 100, Deduct</i>	-4.51	
			<i>For >100 To 200, Deduct</i>	-10.08	
			<i>For >200, Deduct</i>	-14.60	
07 51 13 00-0013	SQ		Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	102.37	
			<i>For Up To 10, Add</i>	28.95	
			<i>For >10 To 20, Add</i>	16.59	
			<i>For >20 To 40, Add</i>	9.36	
			<i>For >75 To 100, Deduct</i>	-4.68	
			<i>For >100 To 200, Deduct</i>	-10.42	
			<i>For >200, Deduct</i>	-15.09	
07 51 13 00-0014	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	176.12	
			<i>For Up To 10, Add</i>	43.70	
			<i>For >10 To 20, Add</i>	23.97	
			<i>For >20 To 40, Add</i>	13.04	
			<i>For >75 To 100, Deduct</i>	-6.52	
			<i>For >100 To 200, Deduct</i>	-14.10	
			<i>For >200, Deduct</i>	-20.63	
07 51 13 00-0015	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	295.12	
			<i>For Up To 10, Add</i>	67.50	
			<i>For >10 To 20, Add</i>	35.87	
			<i>For >20 To 40, Add</i>	18.99	
			<i>For >75 To 100, Deduct</i>	-9.50	
			<i>For >100 To 200, Deduct</i>	-20.05	
			<i>For >200, Deduct</i>	-29.55	
07 51 13 00-0016	SQ		Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	225.16	
			<i>For Up To 10, Add</i>	54.32	
			<i>For >10 To 20, Add</i>	29.48	
			<i>For >20 To 40, Add</i>	15.90	
			<i>For >75 To 100, Deduct</i>	-7.95	
			<i>For >100 To 200, Deduct</i>	-17.06	
			<i>For >200, Deduct</i>	-25.01	
07 51 13 00-0017			Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.15	
07 51 13 00-0019			Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes fasteners.		
07 51 13 00-0020			Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	92.16	
			<i>For Up To 10, Add</i>	22.60	
			<i>For >10 To 20, Add</i>	12.34	
			<i>For >20 To 40, Add</i>	6.69	
			<i>For >75 To 100, Deduct</i>	-3.35	
			<i>For >100 To 200, Deduct</i>	-7.21	
			<i>For >200, Deduct</i>	-10.56	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	172.56	
			<i>For Up To 10, Add</i>	38.68	
			<i>For >10 To 20, Add</i>	20.38	
			<i>For >20 To 40, Add</i>	10.71	
			<i>For >75 To 100, Deduct</i>	-5.36	
			<i>For >100 To 200, Deduct</i>	-11.23	
			<i>For >200, Deduct</i>	-16.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0023 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	291.55	
<i>For Up To 10, Add</i>	62.48	
<i>For >10 To 20, Add</i>	32.28	
<i>For >20 To 40, Add</i>	16.66	
<i>For >75 To 100, Deduct</i>	-8.33	
<i>For >100 To 200, Deduct</i>	-17.18	
<i>For >200, Deduct</i>	-25.52	
07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing <small>(07 51 13 00-0019)</small>		
07 51 13 00-0025 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.19	
07 51 13 00-0026 Asphalt Saturated Organic Felt <small>(07 51 13 00-0001)</small>		
07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	116.83	
<i>For Up To 10, Add</i>	31.71	
<i>For >10 To 20, Add</i>	17.94	
<i>For >20 To 40, Add</i>	10.02	
<i>For >75 To 100, Deduct</i>	-5.01	
<i>For >100 To 200, Deduct</i>	-11.06	
<i>For >200, Deduct</i>	-16.07	
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	131.92	
<i>For Up To 10, Add</i>	34.73	
<i>For >10 To 20, Add</i>	19.45	
<i>For >20 To 40, Add</i>	10.77	
<i>For >75 To 100, Deduct</i>	-5.39	
<i>For >100 To 200, Deduct</i>	-11.81	
<i>For >200, Deduct</i>	-17.20	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	86.21	
<i>For Up To 10, Add</i>	25.72	
<i>For >10 To 20, Add</i>	14.98	
<i>For >20 To 40, Add</i>	8.55	
<i>For >75 To 100, Deduct</i>	-4.27	
<i>For >100 To 200, Deduct</i>	-9.61	
<i>For >200, Deduct</i>	-13.88	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	101.30	
<i>For Up To 10, Add</i>	28.74	
<i>For >10 To 20, Add</i>	16.49	
<i>For >20 To 40, Add</i>	9.30	
<i>For >75 To 100, Deduct</i>	-4.65	
<i>For >100 To 200, Deduct</i>	-10.36	
<i>For >200, Deduct</i>	-15.01	
07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	43.31	
<i>For Up To 10, Add</i>	12.83	
<i>For >10 To 20, Add</i>	7.46	
<i>For >20 To 40, Add</i>	4.25	
<i>For >75 To 100, Deduct</i>	-2.13	
<i>For >100 To 200, Deduct</i>	-4.77	
<i>For >200, Deduct</i>	-6.90	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	58.40	
<i>For Up To 10, Add</i>	15.85	
<i>For >10 To 20, Add</i>	8.97	
<i>For >20 To 40, Add</i>	5.01	
<i>For >75 To 100, Deduct</i>	-2.50	
<i>For >100 To 200, Deduct</i>	-5.53	
<i>For >200, Deduct</i>	-8.03	
07 51 13 00-0036 Surfacing <small>(07 51 13 00-0001)</small>		
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	192.24	
<i>For Up To 10, Add</i>	59.32	
<i>For >10 To 20, Add</i>	34.88	
<i>For >20 To 40, Add</i>	20.05	
<i>For >75 To 100, Deduct</i>	-10.02	
<i>For >100 To 200, Deduct</i>	-22.65	
<i>For >200, Deduct</i>	-32.68	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	281.05	
<i>For Up To 10, Add</i>	77.08	
<i>For >10 To 20, Add</i>	43.76	
<i>For >20 To 40, Add</i>	24.49	
<i>For >75 To 100, Deduct</i>	-12.24	
<i>For >100 To 200, Deduct</i>	-27.10	
<i>For >200, Deduct</i>	-39.34	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness.....	201.60	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid.....	54.33	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			For Up To 10, Add	13.62	
			For >10 To 20, Add	7.50	
			For >20 To 40, Add	4.09	
			For >75 To 100, Deduct	-2.05	
			For >100 To 200, Deduct	-4.44	
			For >200, Deduct	-6.48	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat.....	134.25	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			For Up To 10, Add	31.86	
			For >10 To 20, Add	17.18	
			For >20 To 40, Add	9.22	
			For >75 To 100, Deduct	-4.61	
			For >100 To 200, Deduct	-9.84	
			For >200, Deduct	-14.45	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	119.56	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			For Up To 10, Add	28.92	
			For >10 To 20, Add	15.71	
			For >20 To 40, Add	8.48	
			For >75 To 100, Deduct	-4.24	
			For >100 To 200, Deduct	-9.11	
			For >200, Deduct	-13.35	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	159.64	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			For Up To 10, Add	36.94	
			For >10 To 20, Add	19.72	
			For >20 To 40, Add	10.49	
			For >75 To 100, Deduct	-5.24	
			For >100 To 200, Deduct	-11.11	
			For >200, Deduct	-16.36	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	160.95	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	37.20	
			For >10 To 20, Add	19.85	
			For >20 To 40, Add	10.55	
			For >75 To 100, Deduct	-5.28	
			For >100 To 200, Deduct	-11.18	
			For >200, Deduct	-16.46	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	47.35	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	166.35	
			Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	38.28	
			For >10 To 20, Add	20.39	
			For >20 To 40, Add	10.82	
			For >75 To 100, Deduct	-5.41	
			For >100 To 200, Deduct	-11.45	
			For >200, Deduct	-16.86	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	49.13	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast.....	2.72	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast.....	4.68	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	43.52	
07 51 13 00-0049			Walkway Pads (07 51 13 00-0001)		
			Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	33.55	
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	39.87	
07 51 13 00-0052			Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip.....	4.94	
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip.....	5.09	
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip.....	5.78	
07 51 13 00-0056	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally.....	4.60	
07 51 13 00-0057	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally.....	4.70	
07 51 13 00-0058	LF		1/2" x 6" Perlite Tapered Edge Strip.....	5.53	
07 51 13 00-0059	LF		1/2" x 12" Perlite Tapered Edge Strip.....	6.32	
07 51 13 00-0060	LF		1" x 12" Perlite Tapered Edge Strip.....	6.54	
07 51 13 00-0061	LF		1" x 24" Perlite Tapered Edge Strip.....	7.36	
07 51 13 00-0062	LF		1-1/2" x 12" Perlite Tapered Edge Strip.....	7.28	
07 51 13 00-0063	LF		1-1/2" x 18" Perlite Tapered Edge Strip.....	8.78	
07 51 13 00-0064	LF		1-1/2" x 24" Perlite Tapered Edge Strip.....	9.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 51 13 00-0065			Asphalt Primer <small>(07 51 13 00-0001)</small>		
	07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems..... Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	40.58	
	07 51 13 00-0067			Demolish Built-Up Roofing <small>(07 51 13 00-0001)</small>		
	07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System..... <i>For Up To 10, Add</i> 108.45 <i>For >10 To 25, Add</i> 65.07	438.27	
	07 51 13 00-0069	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System..... Note: Includes protective surfacing. <i>For Up To 10, Add</i> 83.66 <i>For >10 To 25, Add</i> 50.20	338.09	
	07 51 13 00-0070			Roofing System Warranty <small>(07 51 13 00-0001)</small>		
	07 51 13 00-0071	EA		Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	634.62	
	07 51 13 00-0072	SQ		>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	9.07	
	07 51 13 00-0073	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	725.28	
	07 51 13 00-0074	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	14.51	
	07 51 13 00-0075	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	997.26	
	07 51 13 00-0076	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	19.95	
	07 51 13 00-0077			Built-Up Roofing Components (Tremco) <small>(07 51 13)</small>		
	07 51 13 00-0078			Cold Applied BUR Base Plies And Ply Sheets <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0079	SQ		BURmastic Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	146.90	
	07 51 13 00-0080	SQ		BURmastic Premium Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	177.93	
	07 51 13 00-0081	SQ		BURmastic Supreme Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	204.58	
	07 51 13 00-0082	SQ		28 LB BURmastic Glass Ply, Cold Applied BUR Component..... Note: Asphalt coated fiberglass base or ply sheet. Type II.	46.75	
	07 51 13 00-0083	SQ		33 LB BURmastic Glass Ply, Cold Applied BUR Component..... Note: Asphalt coated fiberglass base or ply sheet. Type II.	67.55	
	07 51 13 00-0084	SQ		POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component..... Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	278.88	
	07 51 13 00-0085	SQ		POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component..... Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	258.02	
	07 51 13 00-0086			Hot Or Cold Applied Modified Bitumen Cap Membrane <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0087	SQ		POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	158.75	
	07 51 13 00-0088	SQ		POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	418.39	
	07 51 13 00-0089	SQ		POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	691.24	
	07 51 13 00-0090	SQ		POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	185.73	
	07 51 13 00-0091	SQ		POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	284.06	
	07 51 13 00-0092	SQ		POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	686.32	
	07 51 13 00-0093	SQ		POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	500.16	
	07 51 13 00-0094	SQ		POWERply HE FR Cap Sheet, Hot Applied BUR Component..... Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	494.55	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 51 13 00-0095	Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0096	SQ POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	287.36	
07 51 13 00-0097	SQ POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	570.39	
07 51 13 00-0098	Flashings (07 51 13 00-0077)		
07 51 13 00-0099	LF 11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	18.18	
07 51 13 00-0100	LF 19" Hypalon Elastomeric Flashing Note: 45 mils.	29.56	
07 51 13 00-0101	LF 25" Hypalon Elastomeric Flashing Note: 45 mils.	39.26	
07 51 13 00-0102	LF 38" Hypalon Elastomeric Flashing Note: 45 mils.	57.54	
07 51 13 00-0103	LF 60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	94.82	
07 51 13 00-0104	LF 12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	14.49	
07 51 13 00-0105	LF 18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	23.65	
07 51 13 00-0106	LF 24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	31.51	
07 51 13 00-0107	LF 36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	46.01	
07 51 13 00-0108	LF 60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	77.47	
07 51 13 00-0109	LF 4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.21	
07 51 13 00-0110	LF 6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.39	
07 51 13 00-0111	LF 12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.15	
07 51 13 00-0112	LF 36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	15.91	
07 51 13 00-0113	Cold Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0114	SQ BURmastic Inter-Ply Cold Applied Adhesive	180.21	
07 51 13 00-0115	SQ BURmastic Flood Coat Cold Applied Adhesive	296.93	
07 51 13 00-0116	SQ BURmastic SF Inter-Ply Cold Applied Adhesive	228.96	
07 51 13 00-0117	SQ BURmastic LV Inter-Ply Cold Applied Adhesive	180.21	
07 51 13 00-0118	SQ POWERply Standard Inter-Ply Cold Applied Adhesive	92.35	
07 51 13 00-0119	SQ POWERply Standard Flood Coat Cold Applied Adhesive	203.92	
07 51 13 00-0120	SQ POWERply White On White Cold Applied Adhesive	201.27	
07 51 13 00-0121	SQ Rock-It Cold Applied Adhesive For Gravel Applications	556.00	
07 51 13 00-0122	SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	307.05	
07 51 13 00-0123	SQ ECOLastic Cold Applied Adhesive	346.39	
07 51 13 00-0124	Hot Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0125	SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive	66.41	
07 51 13 00-0126	SQ Premium III Asphalt Flood Coat Hot Applied Adhesive	121.40	
07 51 13 00-0127	Flashings Adhesives (07 51 13 00-0077)		
07 51 13 00-0128	LF Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	22.73	
07 51 13 00-0129	LF Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	29.71	
07 51 13 00-0130	LF ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	18.54	
07 51 13 00-0131	LF TremSEAL D General Purpose Sealant	7.10	
07 51 13 00-0132	LF TremSEAL HP High Performance Sealant	7.28	
07 51 13 00-0133	LF TremSEAL S Silicone Sealant	7.14	
07 51 13 00-0134	Surfacing (07 51 13 00-0077)		
07 51 13 00-0135	SQ TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	267.61	
07 51 13 00-0136	SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	599.45	
07 51 13 00-0137	SQ Polar Coat	155.54	
07 51 13 00-0138	SQ Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	190.00	
07 51 13 00-0139	SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	548.07	
07 51 13 00-0140	SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	250.91	
07 51 13 00-0141	SQ 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	70.52	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 51 13 00-0142 Walkway Protection Pads <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0143 LF 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	35.46	
	07 51 13 00-0144 Primer <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0145 SQ TREMprime WB Primer	41.15	
	Note: Water based polymer modified asphalt primer.		
	07 51 13 00-0146 SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	88.94	
	07 51 13 00-0147 Liquid Applied Roofing <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0148 SQ Trem-LAR LRM H Waterproofing (Horizontal)	456.13	
	Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
	07 51 13 00-0149 SQ Trem-LAR LRM V Waterproofing (Vertical)	465.11	
	Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
	07 51 13 00-0150 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces	595.58	
	Note: Two part liquid applied polyurethane roof coating. 48 mils.		
	07 51 13 00-0151 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces	773.57	
	Note: Two part liquid applied polyurethane roof coating. 64 mils.		
	07 51 13 00-0152 SQ AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating	452.87	
	Note: Two part liquid applied polyurethane roof coating. 32 mils.		
	07 51 13 00-0153 SQ AlphaGuard Glass Mat	87.08	
	Note: Reinforcement mat for AlphaGuard systems.		
	07 51 13 00-0154 SQ AlphaGuard C-Prime Primer	89.40	
	Note: 100% solids epoxy primer for concrete surfaces.		
	07 51 13 00-0155 SQ AlphaGuard M-Prime Primer	95.93	
	Note: Water based primer for metal and plastic surfaces.		
	07 51 13 00-0156 SQ Geogard Primer	71.25	
	Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
	07 51 13 00-0157 SQ AlphaGuard Primer WB	64.30	
	Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
	07 51 13 00-0158 Atactic-Polypropylene (APP) Products <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0159 SQ POWERply Atactic-Polypropylene (APP) Base Sheet	235.53	
	07 51 13 00-0160 SQ POWERply Atactic-Polypropylene (APP) FR	444.83	
	07 51 13 00-0161 SQ POWERply Atactic-Polypropylene (APP) Smooth	356.51	
	07 51 13 00-0162 Tri-Polymer Alloy (TPA) White Membrane <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0163 SQ 45 Mil Tri-Polymer Alloy (TPA) White Membrane	626.92	
	07 51 13 00-0164 SQ 60 Mil Tri-Polymer Alloy (TPA) White Membrane	856.24	
	07 51 13 00-0165 SQ 80 Mil Tri-Polymer Alloy (TPA) White Membrane	971.22	
	07 51 13 00-0166 Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane <small>(07 51 13 00- 0077)</small>		
	07 51 13 00-0167 SQ 45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	718.95	
	07 51 13 00-0168 SQ 60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	879.69	
	07 51 13 00-0169 SQ 80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,074.17	
	07 51 13 00-0170 Tri-Polymer Alloy (TPA) Membrane Accessories <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0171 EA >1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	128.92	
	07 51 13 00-0172 EA >4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	146.39	
	07 51 13 00-0173 LF 36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	21.74	
	07 51 13 00-0174 SQ Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	76.06	
	07 51 13 00-0175 Thermoplastic Polyolefin (TPO) Polyester White Membrane <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0176 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	340.29	
	07 51 13 00-0177 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	343.78	
	07 51 13 00-0178 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	608.30	
	07 51 13 00-0179 Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0180 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	393.52	
	07 51 13 00-0181 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	441.84	
	07 51 13 00-0182 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	639.43	
	07 51 13 00-0183 Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0184 SQ 45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,043.69	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 51 13 00-0185		Single Ply Adhesives <small>(07 51 13 00-0077)</small>	
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	171.48
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	193.27
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	168.32
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	113.39
07 51 13 00-0190		Warranty (Tremco) <small>(07 51 13 00-0077)</small>	
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20
07 51 13 00-0195		Built-Up Roofing Components (Garland) <small>(07 51 13)</small>	
Note: All tasks presented as a single layer. Adhesives are priced separately.			
07 51 13 00-0196		Modified Cap Membranes <small>(07 51 13 00-0195)</small>	
See CSI section 07 51 13 00-0220 for base membrane.			
07 51 13 00-0197		Modified Cap Membranes, Hot/Cold Applied <small>(07 51 13 00-0196)</small>	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.			
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	726.61
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	520.28
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	643.79
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	668.92
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	930.71
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,046.07
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil	439.37
Note: Low strength cap sheet for hot or cold modified systems used with gravel.			
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	555.05
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	340.06
07 51 13 00-0207		Modified Cap Membranes, Self-Adhering <small>(07 51 13 00-0196)</small>	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.			
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	657.83
Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.			
07 51 13 00-0209		Modified Cap Membranes, Torch-Applied <small>(07 51 13 00-0196)</small>	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.			
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	809.44
Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.			
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	880.44
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	927.76
07 51 13 00-0213	SQ	Stressply® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	847.89
07 51 13 00-0214	SQ	Stressply® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	898.18
07 51 13 00-0215	SQ	Stressply® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	942.55
07 51 13 00-0216		Modified Cap Membranes, Coal Tar Pitch Systems <small>(07 51 13 00-0196)</small>	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.			
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	744.83
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,179.18
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	960.30
07 51 13 00-0220		Base Ply <small>(07 51 13 00-0195)</small>	
Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane.			
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	664.49
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	418.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0223 SQ HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil.....	96.25	
Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0224 SQ HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	64.01	
Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0225 SQ HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil.....	77.75	
07 51 13 00-0226 SQ HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	84.41	
07 51 13 00-0227 SQ HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil.....	130.31	
Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228 SQ Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	422.42	
07 51 13 00-0229 SQ HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil	365.74	
Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230 SQ SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	340.46	
07 51 13 00-0231 SQ StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	370.60	
07 51 13 00-0232 SQ StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	307.75	
07 51 13 00-0233 LF Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	5.99	
07 51 13 00-0234 LF Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	16.10	
07 51 13 00-0235 SQ Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	74.43	
07 51 13 00-0236 LF Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	7.79	
07 51 13 00-0237 LF Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.69	
07 51 13 00-0238 LF Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.56	
07 51 13 00-0239 SQ HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	161.63	
07 51 13 00-0240 Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0195)		
07 51 13 00-0241 SQ Water Based Roof Primer, GarlaPrime VOC Primer.....	48.15	
07 51 13 00-0242 SQ Black-Knight® Primer	44.67	
07 51 13 00-0243 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	178.67	
07 51 13 00-0244 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ).....	190.22	
07 51 13 00-0245 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ).....	302.81	
07 51 13 00-0246 SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	483.21	
07 51 13 00-0247 SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	498.61	
07 51 13 00-0248 SQ Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	233.79	
07 51 13 00-0249 SQ Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	386.24	
07 51 13 00-0250 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	592.19	
07 51 13 00-0251 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	983.76	
07 51 13 00-0252 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	412.90	
07 51 13 00-0253 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	428.30	
07 51 13 00-0254 SQ Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	902.46	
07 51 13 00-0255 SQ Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	392.22	
07 51 13 00-0256 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	193.08	
07 51 13 00-0257 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	208.48	
07 51 13 00-0258 SQ Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	181.65	
07 51 13 00-0259 SQ Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	169.90	
07 51 13 00-0260 SQ Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	22.56	
Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0261 SQ Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	202.51	
07 51 13 00-0262 SQ Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	196.36	
07 51 13 00-0263 LF Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	26.05	
07 51 13 00-0264 SQ Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	261.69	
07 51 13 00-0265 SQ Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	1,515.43	
07 51 13 00-0266 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	335.86	
07 51 13 00-0267 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	408.91	
07 51 13 00-0268 SQ Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply	153.35	
07 51 13 00-0269 SQ Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	522.80	
07 51 13 00-0270 SQ Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	152.22	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 Modified Bituminous Membrane Roofing ^(07 50)**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** ^(07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing ^(07 52 13)**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing** ^(07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets ^(07 52 13 11-0001)

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	218.87
		<i>For Up To 10, Add</i>	52.12
		<i>For >10 To 20, Add</i>	28.15
		<i>For >20 To 40, Add</i>	15.12
		<i>For >75 To 100, Deduct</i>	-7.56
		<i>For >100 To 200, Deduct</i>	-16.16
		<i>For >200, Deduct</i>	-23.72
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	265.73
		<i>For Up To 10, Add</i>	61.49
		<i>For >10 To 20, Add</i>	32.83
		<i>For >20 To 40, Add</i>	17.46
		<i>For >75 To 100, Deduct</i>	-8.73
		<i>For >100 To 200, Deduct</i>	-18.50
		<i>For >200, Deduct</i>	-27.23
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	415.37
		<i>For Up To 10, Add</i>	91.42
		<i>For >10 To 20, Add</i>	47.80
		<i>For >20 To 40, Add</i>	24.94
		<i>For >75 To 100, Deduct</i>	-12.47
		<i>For >100 To 200, Deduct</i>	-25.99
		<i>For >200, Deduct</i>	-38.46
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	419.34
		<i>For Up To 10, Add</i>	93.01
		<i>For >10 To 20, Add</i>	48.79
		<i>For >20 To 40, Add</i>	25.54
		<i>For >75 To 100, Deduct</i>	-12.77
		<i>For >100 To 200, Deduct</i>	-26.68
		<i>For >200, Deduct</i>	-39.45
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	301.15
		<i>For Up To 10, Add</i>	69.37
		<i>For >10 To 20, Add</i>	36.97
		<i>For >20 To 40, Add</i>	19.63
		<i>For >75 To 100, Deduct</i>	-9.81
		<i>For >100 To 200, Deduct</i>	-20.77
		<i>For >200, Deduct</i>	-30.59
		<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	348.55
		<i>For Up To 10, Add</i>	78.85
		<i>For >10 To 20, Add</i>	41.71
		<i>For >20 To 40, Add</i>	22.00
		<i>For >75 To 100, Deduct</i>	-11.00
		<i>For >100 To 200, Deduct</i>	-23.14
		<i>For >200, Deduct</i>	-34.14
		<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	477.70
		<i>For Up To 10, Add</i>	104.68
		<i>For >10 To 20, Add</i>	54.63
		<i>For >20 To 40, Add</i>	28.46
		<i>For >75 To 100, Deduct</i>	-14.23
		<i>For >100 To 200, Deduct</i>	-29.60
		<i>For >200, Deduct</i>	-43.83
		<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13
07 52 13 11-0010		Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing ^(07 52 13 11-0001)	
07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.27
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.43
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing ^(07 52 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>		
07 52 13 13-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	158.82	
For Up To 10, Add	40.10	
For >10 To 20, Add	22.14	
For >20 To 40, Add	12.11	
For >75 To 100, Deduct	-6.06	
For >100 To 200, Deduct	-13.15	
For >200, Deduct	-19.21	
07 52 13 13-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	205.69	
For Up To 10, Add	49.48	
For >10 To 20, Add	26.82	
For >20 To 40, Add	14.45	
For >75 To 100, Deduct	-7.23	
For >100 To 200, Deduct	-15.50	
For >200, Deduct	-22.72	
07 52 13 13-0005 SQ 150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	248.61	
For Up To 10, Add	62.24	
For >10 To 20, Add	34.25	
For >20 To 40, Add	18.69	
For >75 To 100, Deduct	-9.35	
For >100 To 200, Deduct	-20.26	
For >200, Deduct	-29.60	
07 52 13 13-0006 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	260.60	
For Up To 10, Add	64.64	
For >10 To 20, Add	35.45	
For >20 To 40, Add	19.29	
For >75 To 100, Deduct	-9.65	
For >100 To 200, Deduct	-20.86	
For >200, Deduct	-30.50	
07 52 13 13-0007 SQ 180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	357.95	
For Up To 10, Add	84.11	
For >10 To 20, Add	45.19	
For >20 To 40, Add	24.16	
For >75 To 100, Deduct	-12.08	
For >100 To 200, Deduct	-25.72	
For >200, Deduct	-37.80	
07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	248.61	
For Up To 10, Add	62.24	
For >10 To 20, Add	34.25	
For >20 To 40, Add	18.69	
For >75 To 100, Deduct	-9.35	
For >100 To 200, Deduct	-20.26	
For >200, Deduct	-29.60	
07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	263.60	
For Up To 10, Add	65.24	
For >10 To 20, Add	35.75	
For >20 To 40, Add	19.44	
For >75 To 100, Deduct	-9.72	
For >100 To 200, Deduct	-21.01	
For >200, Deduct	-30.73	
07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	357.95	
For Up To 10, Add	84.11	
For >10 To 20, Add	45.19	
For >20 To 40, Add	24.16	
For >75 To 100, Deduct	-12.08	
For >100 To 200, Deduct	-25.72	
For >200, Deduct	-37.80	
07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	258.05	
For Up To 10, Add	64.13	
For >10 To 20, Add	35.20	
For >20 To 40, Add	19.16	
For >75 To 100, Deduct	-9.58	
For >100 To 200, Deduct	-20.73	
For >200, Deduct	-30.31	
For Factory Applied White Reflective Surfacing, Add	105.13	
07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	272.60	
For Up To 10, Add	67.04	
For >10 To 20, Add	36.65	
For >20 To 40, Add	19.89	
For >75 To 100, Deduct	-9.95	
For >100 To 200, Deduct	-21.46	
For >200, Deduct	-31.40	
For Factory Applied White Reflective Surfacing, Add	105.13	
07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	308.30	
For Up To 10, Add	74.18	
For >10 To 20, Add	40.22	
For >20 To 40, Add	21.68	
For >75 To 100, Deduct	-10.84	
For >100 To 200, Deduct	-23.24	
For >200, Deduct	-34.08	
For Factory Applied White Reflective Surfacing, Add	105.13	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	312.65	
			<i>For Up To 10, Add</i>	75.05	
			<i>For >10 To 20, Add</i>	40.66	
			<i>For >20 To 40, Add</i>	21.89	
			<i>For >75 To 100, Deduct</i>	-10.95	
			<i>For >100 To 200, Deduct</i>	-23.46	
			<i>For >200, Deduct</i>	-34.41	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	434.60	
			<i>For Up To 10, Add</i>	99.44	
			<i>For >10 To 20, Add</i>	52.85	
			<i>For >20 To 40, Add</i>	27.99	
			<i>For >75 To 100, Deduct</i>	-14.00	
			<i>For >100 To 200, Deduct</i>	-29.56	
			<i>For >200, Deduct</i>	-43.55	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 13 13-0016			Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing		
			Flashing <small>(07 52 13 13-0001)</small>		
07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.74	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.89	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.83	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....	3.98	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.38	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.60	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 13 14			Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>		
07 52 13 14-0001			Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 14)</small>		
			Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 13 14-0002			Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 13 14-0001)</small>		
07 52 13 14-0003	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	231.56	
			<i>For Up To 10, Add</i>	50.48	
			<i>For >10 To 20, Add</i>	26.28	
			<i>For >20 To 40, Add</i>	13.66	
			<i>For >75 To 100, Deduct</i>	-6.83	
			<i>For >100 To 200, Deduct</i>	-14.18	
			<i>For >200, Deduct</i>	-21.02	
07 52 16			Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52)</small>		
			Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
07 52 16 11			Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 11-0001			Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 11)</small>		
			Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002			Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 11-0001)</small>		
07 52 16 11-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	172.99	
			<i>For Up To 10, Add</i>	42.95	
			<i>For >10 To 20, Add</i>	23.56	
			<i>For >20 To 40, Add</i>	12.82	
			<i>For >75 To 100, Deduct</i>	-6.41	
			<i>For >100 To 200, Deduct</i>	-13.87	
			<i>For >200, Deduct</i>	-20.28	
07 52 16 11-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	225.02	
			<i>For Up To 10, Add</i>	53.35	
			<i>For >10 To 20, Add</i>	28.76	
			<i>For >20 To 40, Add</i>	15.43	
			<i>For >75 To 100, Deduct</i>	-7.71	
			<i>For >100 To 200, Deduct</i>	-16.47	
			<i>For >200, Deduct</i>	-24.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	231.73	
<i>For Up To 10, Add</i>	54.69	
<i>For >10 To 20, Add</i>	29.43	
<i>For >20 To 40, Add</i>	15.76	
<i>For >75 To 100, Deduct</i>	-7.88	
<i>For >100 To 200, Deduct</i>	-16.80	
<i>For >200, Deduct</i>	-24.68	
07 52 16 11-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	314.73	
<i>For Up To 10, Add</i>	71.29	
<i>For >10 To 20, Add</i>	37.73	
<i>For >20 To 40, Add</i>	19.91	
<i>For >75 To 100, Deduct</i>	-9.96	
<i>For >100 To 200, Deduct</i>	-20.95	
<i>For >200, Deduct</i>	-30.91	
07 52 16 11-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	398.73	
<i>For Up To 10, Add</i>	88.09	
<i>For >10 To 20, Add</i>	46.13	
<i>For >20 To 40, Add</i>	24.11	
<i>For >75 To 100, Deduct</i>	-12.06	
<i>For >100 To 200, Deduct</i>	-25.15	
<i>For >200, Deduct</i>	-37.21	
07 52 16 11-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	333.07	
<i>For Up To 10, Add</i>	75.76	
<i>For >10 To 20, Add</i>	40.16	
<i>For >20 To 40, Add</i>	21.22	
<i>For >75 To 100, Deduct</i>	-10.61	
<i>For >100 To 200, Deduct</i>	-22.37	
<i>For >200, Deduct</i>	-32.98	
07 52 16 11-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	342.10	
<i>For Up To 10, Add</i>	77.56	
<i>For >10 To 20, Add</i>	41.07	
<i>For >20 To 40, Add</i>	21.68	
<i>For >75 To 100, Deduct</i>	-10.84	
<i>For >100 To 200, Deduct</i>	-22.82	
<i>For >200, Deduct</i>	-33.66	
07 52 16 11-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	299.80	
<i>For Up To 10, Add</i>	69.10	
<i>For >10 To 20, Add</i>	36.84	
<i>For >20 To 40, Add</i>	19.56	
<i>For >75 To 100, Deduct</i>	-9.78	
<i>For >100 To 200, Deduct</i>	-20.70	
<i>For >200, Deduct</i>	-30.48	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	303.70	
<i>For Up To 10, Add</i>	69.88	
<i>For >10 To 20, Add</i>	37.23	
<i>For >20 To 40, Add</i>	19.76	
<i>For >75 To 100, Deduct</i>	-9.88	
<i>For >100 To 200, Deduct</i>	-20.90	
<i>For >200, Deduct</i>	-30.78	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	339.70	
<i>For Up To 10, Add</i>	77.08	
<i>For >10 To 20, Add</i>	40.83	
<i>For >20 To 40, Add</i>	21.56	
<i>For >75 To 100, Deduct</i>	-10.78	
<i>For >100 To 200, Deduct</i>	-22.70	
<i>For >200, Deduct</i>	-33.48	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	345.70	
<i>For Up To 10, Add</i>	78.28	
<i>For >10 To 20, Add</i>	41.43	
<i>For >20 To 40, Add</i>	21.86	
<i>For >75 To 100, Deduct</i>	-10.93	
<i>For >100 To 200, Deduct</i>	-23.00	
<i>For >200, Deduct</i>	-33.93	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	398.20	
<i>For Up To 10, Add</i>	88.78	
<i>For >10 To 20, Add</i>	46.68	
<i>For >20 To 40, Add</i>	24.48	
<i>For >75 To 100, Deduct</i>	-12.24	
<i>For >100 To 200, Deduct</i>	-25.62	
<i>For >200, Deduct</i>	-37.86	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	493.84	
			<i>For Up To 10, Add</i>	107.91	
			<i>For >10 To 20, Add</i>	56.24	
			<i>For >20 To 40, Add</i>	29.26	
			<i>For >75 To 100, Deduct</i>	-14.63	
			<i>For >100 To 200, Deduct</i>	-30.41	
			<i>For >200, Deduct</i>	-45.04	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	306.31	
			<i>For Up To 10, Add</i>	70.40	
			<i>For >10 To 20, Add</i>	37.49	
			<i>For >20 To 40, Add</i>	19.89	
			<i>For >75 To 100, Deduct</i>	-9.94	
			<i>For >100 To 200, Deduct</i>	-21.03	
			<i>For >200, Deduct</i>	-30.97	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	315.70	
			<i>For Up To 10, Add</i>	72.28	
			<i>For >10 To 20, Add</i>	38.43	
			<i>For >20 To 40, Add</i>	20.36	
			<i>For >75 To 100, Deduct</i>	-10.18	
			<i>For >100 To 200, Deduct</i>	-21.50	
			<i>For >200, Deduct</i>	-31.68	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	366.70	
			<i>For Up To 10, Add</i>	82.48	
			<i>For >10 To 20, Add</i>	43.53	
			<i>For >20 To 40, Add</i>	22.91	
			<i>For >75 To 100, Deduct</i>	-11.45	
			<i>For >100 To 200, Deduct</i>	-24.05	
			<i>For >200, Deduct</i>	-35.50	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	367.90	
			<i>For Up To 10, Add</i>	82.72	
			<i>For >10 To 20, Add</i>	43.65	
			<i>For >20 To 40, Add</i>	22.97	
			<i>For >75 To 100, Deduct</i>	-11.48	
			<i>For >100 To 200, Deduct</i>	-24.11	
			<i>For >200, Deduct</i>	-35.59	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	390.70	
			<i>For Up To 10, Add</i>	87.28	
			<i>For >10 To 20, Add</i>	45.93	
			<i>For >20 To 40, Add</i>	24.11	
			<i>For >75 To 100, Deduct</i>	-12.05	
			<i>For >100 To 200, Deduct</i>	-25.25	
			<i>For >200, Deduct</i>	-37.30	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 11-0021			Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 11-0001)</small>		
07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.49	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.07	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.11	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.53	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.05	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.01	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.14	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.23	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.75	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.98	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.85	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	14.59	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 12-0001	Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 12)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002	Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 12-0001)</small>		
07 52 16 12-0003	SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	142.37	
	For Up To 10, Add	36.95	
	For >10 To 20, Add	20.59	
	For >20 To 40, Add	11.36	
	For >75 To 100, Deduct	-5.68	
	For >100 To 200, Deduct	-12.42	
	For >200, Deduct	-18.09	
07 52 16 12-0004	SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	194.41	
	For Up To 10, Add	47.36	
	For >10 To 20, Add	25.80	
	For >20 To 40, Add	13.96	
	For >75 To 100, Deduct	-6.98	
	For >100 To 200, Deduct	-15.02	
	For >200, Deduct	-22.00	
07 52 16 12-0005	SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	201.12	
	For Up To 10, Add	48.70	
	For >10 To 20, Add	26.47	
	For >20 To 40, Add	14.29	
	For >75 To 100, Deduct	-7.15	
	For >100 To 200, Deduct	-15.35	
	For >200, Deduct	-22.50	
07 52 16 12-0006	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	284.12	
	For Up To 10, Add	65.30	
	For >10 To 20, Add	34.77	
	For >20 To 40, Add	18.44	
	For >75 To 100, Deduct	-9.22	
	For >100 To 200, Deduct	-19.50	
	For >200, Deduct	-28.73	
07 52 16 12-0007	SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped.....	368.12	
	For Up To 10, Add	82.10	
	For >10 To 20, Add	43.17	
	For >20 To 40, Add	22.64	
	For >75 To 100, Deduct	-11.32	
	For >100 To 200, Deduct	-23.70	
	For >200, Deduct	-35.03	
07 52 16 12-0008	SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	302.53	
	For Up To 10, Add	69.79	
	For >10 To 20, Add	37.22	
	For >20 To 40, Add	19.77	
	For >75 To 100, Deduct	-9.88	
	For >100 To 200, Deduct	-20.93	
	For >200, Deduct	-30.81	
07 52 16 12-0009	SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	311.56	
	For Up To 10, Add	71.60	
	For >10 To 20, Add	38.12	
	For >20 To 40, Add	20.22	
	For >75 To 100, Deduct	-10.11	
	For >100 To 200, Deduct	-21.38	
	For >200, Deduct	-31.49	
07 52 16 12-0010	SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	269.26	
	For Up To 10, Add	63.14	
	For >10 To 20, Add	33.89	
	For >20 To 40, Add	18.11	
	For >75 To 100, Deduct	-9.05	
	For >100 To 200, Deduct	-19.27	
	For >200, Deduct	-28.32	
	For Factory Applied White Reflective Surfacing, Add	105.13	
07 52 16 12-0011	SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	273.16	
	For Up To 10, Add	63.92	
	For >10 To 20, Add	34.28	
	For >20 To 40, Add	18.30	
	For >75 To 100, Deduct	-9.15	
	For >100 To 200, Deduct	-19.46	
	For >200, Deduct	-28.61	
	For Factory Applied White Reflective Surfacing, Add	105.13	
07 52 16 12-0012	SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	309.16	
	For Up To 10, Add	71.12	
	For >10 To 20, Add	37.88	
	For >20 To 40, Add	20.10	
	For >75 To 100, Deduct	-10.05	
	For >100 To 200, Deduct	-21.26	
	For >200, Deduct	-31.31	
	For Factory Applied White Reflective Surfacing, Add	105.13	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0013	SQ		160 Mil. Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	315.16	
			<i>For Up To 10, Add</i>	72.32	
			<i>For >10 To 20, Add</i>	38.48	
			<i>For >20 To 40, Add</i>	20.40	
			<i>For >75 To 100, Deduct</i>	-10.20	
			<i>For >100 To 200, Deduct</i>	-21.56	
			<i>For >200, Deduct</i>	-31.76	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0014	SQ		170 Mil. Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	367.66	
			<i>For Up To 10, Add</i>	82.82	
			<i>For >10 To 20, Add</i>	43.73	
			<i>For >20 To 40, Add</i>	23.03	
			<i>For >75 To 100, Deduct</i>	-11.51	
			<i>For >100 To 200, Deduct</i>	-24.19	
			<i>For >200, Deduct</i>	-35.70	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0015	SQ		180 Mil. Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	463.29	
			<i>For Up To 10, Add</i>	101.94	
			<i>For >10 To 20, Add</i>	53.29	
			<i>For >20 To 40, Add</i>	27.81	
			<i>For >75 To 100, Deduct</i>	-13.90	
			<i>For >100 To 200, Deduct</i>	-28.97	
			<i>For >200, Deduct</i>	-42.87	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0016	SQ		125 Mil. Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	275.77	
			<i>For Up To 10, Add</i>	64.44	
			<i>For >10 To 20, Add</i>	34.54	
			<i>For >20 To 40, Add</i>	18.43	
			<i>For >75 To 100, Deduct</i>	-9.22	
			<i>For >100 To 200, Deduct</i>	-19.59	
			<i>For >200, Deduct</i>	-28.81	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0017	SQ		140 Mil. Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	285.16	
			<i>For Up To 10, Add</i>	66.32	
			<i>For >10 To 20, Add</i>	35.48	
			<i>For >20 To 40, Add</i>	18.90	
			<i>For >75 To 100, Deduct</i>	-9.45	
			<i>For >100 To 200, Deduct</i>	-20.06	
			<i>For >200, Deduct</i>	-29.51	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0018	SQ		150 Mil. Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	336.16	
			<i>For Up To 10, Add</i>	76.52	
			<i>For >10 To 20, Add</i>	40.58	
			<i>For >20 To 40, Add</i>	21.45	
			<i>For >75 To 100, Deduct</i>	-10.73	
			<i>For >100 To 200, Deduct</i>	-22.61	
			<i>For >200, Deduct</i>	-33.34	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0019	SQ		160 Mil. Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	337.36	
			<i>For Up To 10, Add</i>	76.76	
			<i>For >10 To 20, Add</i>	40.70	
			<i>For >20 To 40, Add</i>	21.51	
			<i>For >75 To 100, Deduct</i>	-10.76	
			<i>For >100 To 200, Deduct</i>	-22.67	
			<i>For >200, Deduct</i>	-33.43	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0020	SQ		170 Mil. Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	360.16	
			<i>For Up To 10, Add</i>	81.32	
			<i>For >10 To 20, Add</i>	42.98	
			<i>For >20 To 40, Add</i>	22.65	
			<i>For >75 To 100, Deduct</i>	-11.33	
			<i>For >100 To 200, Deduct</i>	-23.81	
			<i>For >200, Deduct</i>	-35.14	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 12-0021			Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 12-0001)		
07 52 16 12-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.28	
07 52 16 12-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.86	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 12-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.89	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 12-0025	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.25	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 12-0026	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.31	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 12-0027	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.84	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 12-0028	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.80	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	4.92 1.05	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	5.01 1.05	
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	5.44 1.05	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped <i>For Factory Applied White Reflective Surfacing, Add</i>	5.76 1.05	
07 52 16 12-0033 SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	7.63	
07 52 16 12-0034 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	14.37	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 13)
 Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)

07 52 16 13-0003 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	290.60	
<i>For Up To 10, Add</i>	70.64	
<i>For >10 To 20, Add</i>	38.45	
<i>For >20 To 40, Add</i>	20.79	
<i>For >75 To 100, Deduct</i>	-10.40	
<i>For >100 To 200, Deduct</i>	-22.36	
<i>For >200, Deduct</i>	-32.75	
07 52 16 13-0004 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	261.50	
<i>For Up To 10, Add</i>	64.82	
<i>For >10 To 20, Add</i>	35.54	
<i>For >20 To 40, Add</i>	19.34	
<i>For >75 To 100, Deduct</i>	-9.67	
<i>For >100 To 200, Deduct</i>	-20.90	
<i>For >200, Deduct</i>	-30.57	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 13-0005 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	295.70	
<i>For Up To 10, Add</i>	71.66	
<i>For >10 To 20, Add</i>	38.96	
<i>For >20 To 40, Add</i>	21.05	
<i>For >75 To 100, Deduct</i>	-10.52	
<i>For >100 To 200, Deduct</i>	-22.61	
<i>For >200, Deduct</i>	-33.13	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 13-0006 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	450.74	
<i>For Up To 10, Add</i>	102.67	
<i>For >10 To 20, Add</i>	54.47	
<i>For >20 To 40, Add</i>	28.80	
<i>For >75 To 100, Deduct</i>	-14.40	
<i>For >100 To 200, Deduct</i>	-30.36	
<i>For >200, Deduct</i>	-44.76	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 13-0007 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	271.28	
<i>For Up To 10, Add</i>	66.78	
<i>For >10 To 20, Add</i>	36.52	
<i>For >20 To 40, Add</i>	19.83	
<i>For >75 To 100, Deduct</i>	-9.91	
<i>For >100 To 200, Deduct</i>	-21.39	
<i>For >200, Deduct</i>	-31.30	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 13-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	311.60	
<i>For Up To 10, Add</i>	74.84	
<i>For >10 To 20, Add</i>	40.55	
<i>For >20 To 40, Add</i>	21.84	
<i>For >75 To 100, Deduct</i>	-10.92	
<i>For >100 To 200, Deduct</i>	-23.41	
<i>For >200, Deduct</i>	-34.33	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 13-0009 SQ 165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	324.57	
<i>For Up To 10, Add</i>	77.63	
<i>For >10 To 20, Add</i>	41.99	
<i>For >20 To 40, Add</i>	22.59	
<i>For >75 To 100, Deduct</i>	-11.29	
<i>For >100 To 200, Deduct</i>	-24.18	
<i>For >200, Deduct</i>	-35.47	
<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	418.68	
		<i>For Up To 10, Add</i>	96.45	
		<i>For >10 To 20, Add</i>	51.41	
		<i>For >20 To 40, Add</i>	27.29	
		<i>For >75 To 100, Deduct</i>	-13.65	
		<i>For >100 To 200, Deduct</i>	-28.88	
		<i>For >200, Deduct</i>	-42.53	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	105.13	
07 52 16 13-0011		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 13-0001)</small>		
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.24	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.22	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.76	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.41	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.49	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.44	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.05	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.64	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	13.34	
07 52 16 14		Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 14-0001		Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 14)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002		Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 16 14-0001)</small>		
07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	179.86	
		<i>For Up To 10, Add</i>	40.14	
		<i>For >10 To 20, Add</i>	21.11	
		<i>For >20 To 40, Add</i>	11.08	
		<i>For >75 To 100, Deduct</i>	-5.54	
		<i>For >100 To 200, Deduct</i>	-11.60	
		<i>For >200, Deduct</i>	-17.14	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	138.81	
		<i>For Up To 10, Add</i>	31.93	
		<i>For >10 To 20, Add</i>	17.01	
		<i>For >20 To 40, Add</i>	9.03	
		<i>For >75 To 100, Deduct</i>	-4.51	
		<i>For >100 To 200, Deduct</i>	-9.55	
		<i>For >200, Deduct</i>	-14.06	
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	179.22	
		<i>For Up To 10, Add</i>	40.01	
		<i>For >10 To 20, Add</i>	21.05	
		<i>For >20 To 40, Add</i>	11.05	
		<i>For >75 To 100, Deduct</i>	-5.52	
		<i>For >100 To 200, Deduct</i>	-11.57	
		<i>For >200, Deduct</i>	-17.09	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	223.86	
		<i>For Up To 10, Add</i>	48.94	
		<i>For >10 To 20, Add</i>	25.51	
		<i>For >20 To 40, Add</i>	13.28	
		<i>For >75 To 100, Deduct</i>	-6.64	
		<i>For >100 To 200, Deduct</i>	-13.80	
		<i>For >200, Deduct</i>	-20.44	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	280.56	
		<i>For Up To 10, Add</i>	60.28	
		<i>For >10 To 20, Add</i>	31.18	
		<i>For >20 To 40, Add</i>	16.11	
		<i>For >75 To 100, Deduct</i>	-8.06	
		<i>For >100 To 200, Deduct</i>	-16.63	
		<i>For >200, Deduct</i>	-24.69	
07 52 16 14-0008		Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 14-0001)</small>		
07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.61	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.69	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 15	Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 15-0001	Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 15)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002	Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003	SQ 60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	144.94	
	For Up To 10, Add	34.00	
	For >10 To 20, Add	18.25	
	For >20 To 40, Add	9.75	
	For >75 To 100, Deduct	-4.88	
	For >100 To 200, Deduct	-10.38	
	For >200, Deduct	-15.25	
07 52 16 15-0004	SQ 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	153.45	
	For Up To 10, Add	35.70	
	For >10 To 20, Add	19.10	
	For >20 To 40, Add	10.18	
	For >75 To 100, Deduct	-5.09	
	For >100 To 200, Deduct	-10.80	
	For >200, Deduct	-15.89	
07 52 16 15-0005	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	257.55	
	For Up To 10, Add	56.89	
	For >10 To 20, Add	29.79	
	For >20 To 40, Add	15.57	
	For >75 To 100, Deduct	-7.78	
	For >100 To 200, Deduct	-16.24	
	For >200, Deduct	-24.03	
07 52 16 15-0006	SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	307.41	
	For Up To 10, Add	66.87	
	For >10 To 20, Add	34.78	
	For >20 To 40, Add	18.06	
	For >75 To 100, Deduct	-9.03	
	For >100 To 200, Deduct	-18.74	
	For >200, Deduct	-27.77	
	For Factory Applied White Reflective Surfacing, Add	105.13	
07 52 16 15-0007	SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	454.41	
	For Up To 10, Add	96.27	
	For >10 To 20, Add	49.48	
	For >20 To 40, Add	25.41	
	For >75 To 100, Deduct	-12.71	
	For >100 To 200, Deduct	-26.09	
	For >200, Deduct	-38.79	
	For Factory Applied White Reflective Surfacing, Add	105.13	
07 52 16 15-0008	Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 15-0001)</small>		
07 52 16 15-0009	SF 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.20	
07 52 16 15-0010	SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.68	
	For Factory Applied White Reflective Surfacing, Add	1.05	
07 52 16 15-0011	SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	6.15	
	For Factory Applied White Reflective Surfacing, Add	1.05	

07 53 Elastomeric Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16	Chlorosulfonate-Polyethylene Roofing <small>(07 53)</small>		
07 53 16 00-0001	Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes <small>(07 53 16)</small> Note: Includes hot air welding or adhesive bonding of seams.		
07 53 16 00-0002	SQ 45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered	637.08	100.18
	Note: Includes adhesive.		
	For Up To 10, Add	167.49	
	For >10 To 20, Add	93.76	
	For >20 To 40, Add	51.89	
	For >75 To 100, Deduct	-25.94	
	For >100 To 200, Deduct	-56.90	
	For >200, Deduct	-82.84	
	For 15 Year Warranty, Add	3.00	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0003	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted	485.84	50.09
			Note: Includes ballast.		
			For Up To 10, Add	117.20	
			For >10 To 20, Add	63.61	
			For >20 To 40, Add	34.31	
			For >75 To 100, Deduct	-17.16	
			For >100 To 200, Deduct	-36.81	
			For >200, Deduct	-53.97	
			For 15 Year Warranty, Add	3.00	
07 53 16 00-0004	SQ		45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	520.13	75.14
			Note: Includes fasteners.		
			For Up To 10, Add	134.08	
			For >10 To 20, Add	74.55	
			For >20 To 40, Add	41.03	
			For >75 To 100, Deduct	-20.52	
			For >100 To 200, Deduct	-44.79	
			For >200, Deduct	-65.31	
			For 15 Year Warranty, Add	3.00	
			For Mechanically Fastened To Concrete Decks, Add	37.57	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	38.85	
07 53 23			Ethylene-Propylene-Diene-Monomer Roofing (07 53)		
07 53 23 00-0001			Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)		
			Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).		
07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	332.67	50.09
			Note: Includes ballast.		
			For Up To 10, Add	86.57	
			For >10 To 20, Add	48.29	
			For >20 To 40, Add	26.65	
			For >75 To 100, Deduct	-13.33	
			For >100 To 200, Deduct	-29.16	
			For >200, Deduct	-42.48	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	8.45	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	431.80	53.22
			Note: Includes ballast.		
			For Up To 10, Add	107.65	
			For >10 To 20, Add	59.14	
			For >20 To 40, Add	32.23	
			For >75 To 100, Deduct	-16.12	
			For >100 To 200, Deduct	-34.89	
			For >200, Deduct	-51.01	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.45	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	584.25	56.35
			Note: Includes ballast.		
			For Up To 10, Add	139.39	
			For >10 To 20, Add	75.33	
			For >20 To 40, Add	40.48	
			For >75 To 100, Deduct	-20.24	
			For >100 To 200, Deduct	-43.30	
			For >200, Deduct	-63.54	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.45	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	402.58	75.14
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	110.57	
			For >10 To 20, Add	62.80	
			For >20 To 40, Add	35.16	
			For >75 To 100, Deduct	-17.58	
			For >100 To 200, Deduct	-38.91	
			For >200, Deduct	-56.49	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	8.45	
			For Low VOC Adhesive, Add	22.05	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
			For Integral Polyester Fleece-Backing, Add	107.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0006 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	501.72	78.27
Note: Includes adhesive and fasteners.		
For Up To 10, Add	131.65	
For >10 To 20, Add	73.65	
For >20 To 40, Add	40.74	
For >75 To 100, Deduct	-20.37	
For >100 To 200, Deduct	-44.65	
For >200, Deduct	-65.02	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	8.45	
For Low VOC Adhesive, Add	22.05	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
For Integral Polyester Fleece-Backing, Add	120.34	
07 53 23 00-0007 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	654.17	81.39
Note: Includes adhesive and fasteners.		
For Up To 10, Add	163.39	
For >10 To 20, Add	89.84	
For >20 To 40, Add	48.99	
For >75 To 100, Deduct	-24.49	
For >100 To 200, Deduct	-53.06	
For >200, Deduct	-77.55	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	8.45	
For Low VOC Adhesive, Add	22.05	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
For Integral Polyester Fleece-Backing, Add	133.85	
07 53 23 00-0008 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	530.83	100.18
Note: Includes adhesive and fasteners.		
For Up To 10, Add	146.24	
For >10 To 20, Add	83.14	
For >20 To 40, Add	46.58	
For >75 To 100, Deduct	-23.29	
For >100 To 200, Deduct	-51.59	
For >200, Deduct	-74.87	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	8.45	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
For Low VOC Adhesive, Add	55.11	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
For Integral Polyester Fleece-Backing, Add	107.95	
07 53 23 00-0009 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	629.98	103.31
Note: Includes adhesive and fasteners.		
For Up To 10, Add	167.32	
For >10 To 20, Add	93.99	
For >20 To 40, Add	52.16	
For >75 To 100, Deduct	-26.08	
For >100 To 200, Deduct	-57.33	
For >200, Deduct	-83.41	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	8.45	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
For Low VOC Adhesive, Add	55.11	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
For Integral Polyester Fleece-Backing, Add	120.34	
07 53 23 00-0010 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	782.43	106.43
Note: Includes adhesive and fasteners.		
For Up To 10, Add	199.06	
For >10 To 20, Add	110.18	
For >20 To 40, Add	60.41	
For >75 To 100, Deduct	-30.20	
For >100 To 200, Deduct	-65.73	
For >200, Deduct	-95.94	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Low Slope Fire Rated, Add	8.45	
For Low VOC Adhesive, Add	55.11	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
For Integral Polyester Fleece-Backing, Add	133.85	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened 366.72	366.72	75.14
			Note: Includes fasteners.		
			For Up To 10, Add	103.40	
			For >10 To 20, Add	59.21	
			For >20 To 40, Add	33.36	
			For >75 To 100, Deduct	-16.68	
			For >100 To 200, Deduct	-37.12	
			For >200, Deduct	-53.80	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	8.45	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
			For Mechanically Fastened To Concrete Decks, Add	37.57	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	38.85	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened 465.86	465.86	78.27
			Note: Includes fasteners.		
			For Up To 10, Add	124.48	
			For >10 To 20, Add	70.06	
			For >20 To 40, Add	38.95	
			For >75 To 100, Deduct	-19.47	
			For >100 To 200, Deduct	-42.86	
			For >200, Deduct	-62.33	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.45	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
			For Mechanically Fastened To Concrete Decks, Add	39.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	40.41	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened 618.31	618.31	81.39
			Note: Includes fasteners.		
			For Up To 10, Add	156.22	
			For >10 To 20, Add	86.25	
			For >20 To 40, Add	47.19	
			For >75 To 100, Deduct	-23.60	
			For >100 To 200, Deduct	-51.26	
			For >200, Deduct	-74.86	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.45	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	80.60	
			For Mechanically Fastened To Concrete Decks, Add	40.70	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.98	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories <small>(07 53 23)</small>		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat 74.47	74.47	
			For Up To 10, Add	19.90	
			For >10 To 20, Add	11.20	
			For >20 To 40, Add	6.23	
			For >75 To 100, Deduct	-3.11	
			For >100 To 200, Deduct	-6.85	
			For >200, Deduct	-9.97	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat 76.94	76.94	
			Note: 55% solids by volume.		
			For Up To 10, Add	20.40	
			For >10 To 20, Add	11.45	
			For >20 To 40, Add	6.35	
			For >75 To 100, Deduct	-3.18	
			For >100 To 200, Deduct	-6.98	
			For >200, Deduct	-10.15	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot 47.79	47.79	11.89
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot 67.29	67.29	11.89
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot 123.57	123.57	11.89
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket 163.31	163.31	13.14
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad 36.73	36.73	7.26
			Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing 7.08	7.08	1.88
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing 8.96	8.96	2.82

07 53 29 Polyisobutylene Roofing (07 53)**07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes** (07 53 29)

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted	533.66	56.35
Note: Includes ballast.		
For Up To 10, Add	129.27	
For >10 To 20, Add	70.27	
For >20 To 40, Add	37.95	
For >75 To 100, Deduct	-18.98	
For >100 To 200, Deduct	-40.77	
For >200, Deduct	-59.75	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)	600.01	81.39
Note: Includes adhesive.		
For Up To 10, Add	152.56	
For >10 To 20, Add	84.42	
For >20 To 40, Add	46.28	
For >75 To 100, Deduct	-23.14	
For >100 To 200, Deduct	-50.35	
For >200, Deduct	-73.49	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	722.90	106.43
Note: Includes adhesive.		
For Up To 10, Add	187.16	
For >10 To 20, Add	104.22	
For >20 To 40, Add	57.43	
For >75 To 100, Deduct	-28.72	
For >100 To 200, Deduct	-62.76	
For >200, Deduct	-91.47	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	211.68	50.09
Note: Includes ballast.		
For Up To 10, Add	62.37	
For >10 To 20, Add	36.20	
For >20 To 40, Add	20.60	
For >75 To 100, Deduct	-10.30	
For >100 To 200, Deduct	-23.11	
For >200, Deduct	-33.41	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	27.13	
07 54 19 00-0003 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	232.12	53.22
Note: Includes ballast.		
For Up To 10, Add	67.71	
For >10 To 20, Add	39.18	
For >20 To 40, Add	22.25	
For >75 To 100, Deduct	-11.12	
For >100 To 200, Deduct	-24.91	
For >200, Deduct	-36.03	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	27.13	
07 54 19 00-0004 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	253.39	54.79
Note: Includes ballast.		
For Up To 10, Add	72.59	
For >10 To 20, Add	41.77	
For >20 To 40, Add	23.63	
For >75 To 100, Deduct	-11.81	
For >100 To 200, Deduct	-26.37	
For >200, Deduct	-38.18	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	27.13	

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 54 Thermoplastic Membrane Roofing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 54	19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	264.41	56.35
			Note: Includes ballast.		
			For Up To 10, Add	75.42	
			For >10 To 20, Add	43.35	
			For >20 To 40, Add	24.49	
			For >75 To 100, Deduct	-12.25	
			For >100 To 200, Deduct	-27.31	
			For >200, Deduct	-39.55	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	27.13	
07 54	19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	440.33	100.18
			Note: Includes adhesive.		
			For Up To 10, Add	128.14	
			For >10 To 20, Add	74.09	
			For >20 To 40, Add	42.05	
			For >75 To 100, Deduct	-21.03	
			For >100 To 200, Deduct	-47.06	
			For >200, Deduct	-68.09	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	87.43	
			For Integral Polyester Fleece-Backing, Add	27.13	
07 54	19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	460.78	103.31
			Note: Includes adhesive.		
			For Up To 10, Add	133.48	
			For >10 To 20, Add	77.07	
			For >20 To 40, Add	43.70	
			For >75 To 100, Deduct	-21.85	
			For >100 To 200, Deduct	-48.87	
			For >200, Deduct	-70.72	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	87.43	
			For Integral Polyester Fleece-Backing, Add	27.13	
07 54	19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	482.05	104.87
			Note: Includes adhesive.		
			For Up To 10, Add	138.36	
			For >10 To 20, Add	79.67	
			For >20 To 40, Add	45.08	
			For >75 To 100, Deduct	-22.54	
			For >100 To 200, Deduct	-50.32	
			For >200, Deduct	-72.86	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	87.43	
			For Integral Polyester Fleece-Backing, Add	27.13	
07 54	19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	493.06	106.43
			Note: Includes adhesive.		
			For Up To 10, Add	141.19	
			For >10 To 20, Add	81.24	
			For >20 To 40, Add	45.94	
			For >75 To 100, Deduct	-22.97	
			For >100 To 200, Deduct	-51.26	
			For >200, Deduct	-74.23	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	87.43	
			For Integral Polyester Fleece-Backing, Add	27.13	
07 54	19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	237.73	75.14
			Note: Includes fasteners.		
			For Up To 10, Add	77.60	
			For >10 To 20, Add	46.31	
			For >20 To 40, Add	26.91	
			For >75 To 100, Deduct	-13.46	
			For >100 To 200, Deduct	-30.67	
			For >200, Deduct	-44.13	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	27.13	
			For Mechanically Fastened To Concrete Decks, Add	37.57	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	38.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0011 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened 258.18		78.27
Note: Includes fasteners.		
For Up To 10, Add	82.94	
For >10 To 20, Add	49.30	
For >20 To 40, Add	28.56	
For >75 To 100, Deduct	-14.28	
For >100 To 200, Deduct	-32.47	
For >200, Deduct	-46.75	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	27.13	
For Mechanically Fastened To Concrete Decks, Add	39.13	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	40.41	
07 54 19 00-0012 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened 279.45	279.45	79.83
Note: Includes fasteners.		
For Up To 10, Add	87.82	
For >10 To 20, Add	51.89	
For >20 To 40, Add	29.94	
For >75 To 100, Deduct	-14.97	
For >100 To 200, Deduct	-33.93	
For >200, Deduct	-48.90	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	27.13	
For Mechanically Fastened To Concrete Decks, Add	39.92	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.20	
07 54 19 00-0013 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened 290.46	290.46	81.39
Note: Includes fasteners.		
For Up To 10, Add	90.65	
For >10 To 20, Add	53.46	
For >20 To 40, Add	30.80	
For >75 To 100, Deduct	-15.40	
For >100 To 200, Deduct	-34.87	
For >200, Deduct	-50.27	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	27.13	
For Mechanically Fastened To Concrete Decks, Add	40.70	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.98	
07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015 SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat 74.47	74.47	
Note: Includes fasteners.		
For Up To 10, Add	19.90	
For >10 To 20, Add	11.20	
For >20 To 40, Add	6.23	
For >75 To 100, Deduct	-3.11	
For >100 To 200, Deduct	-6.85	
For >200, Deduct	-9.97	
07 54 19 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat 76.94	76.94	
Note: 55% solids by volume.		
For Up To 10, Add	20.40	
For >10 To 20, Add	11.45	
For >20 To 40, Add	6.35	
For >75 To 100, Deduct	-3.18	
For >100 To 200, Deduct	-6.98	
For >200, Deduct	-10.15	
07 54 19 00-0017 EA Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot 77.23	77.23	10.65
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018 EA >3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot 107.75	107.75	11.89
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019 EA >7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot 137.38	137.38	13.14
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020 EA 6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket 174.00	174.00	13.14
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021 LF 36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad 31.69	31.69	7.26
07 54 19 00-0022 SF Polyvinyl Chloride (PVC) Membrane Base Flashing 8.35	8.35	1.88
07 54 19 00-0023 SF Polyvinyl Chloride (PVC) Membrane Curb Flashing 10.23	10.23	2.82
07 54 19 00-0024 SF Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing 11.15	11.15	1.88
Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 54 Thermoplastic Membrane Roofing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0002	SQ		45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	483.53	100.18
			Note: Includes adhesive.		
			For Up To 10, Add	136.78	
			For >10 To 20, Add	78.41	
			For >20 To 40, Add	44.21	
			For >75 To 100, Deduct	-22.11	
			For >100 To 200, Deduct	-49.22	
			For >200, Deduct	-71.33	
			For 15 Year Warranty, Add	3.00	
			For Low VOC Adhesive, Add	55.11	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ		50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	505.73	101.75
			Note: Includes adhesive.		
			For Up To 10, Add	141.84	
			For >10 To 20, Add	81.10	
			For >20 To 40, Add	45.63	
			For >75 To 100, Deduct	-22.82	
			For >100 To 200, Deduct	-50.72	
			For >200, Deduct	-73.54	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	55.11	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	517.35	103.31
			Note: Includes adhesive.		
			For Up To 10, Add	144.79	
			For >10 To 20, Add	82.73	
			For >20 To 40, Add	46.53	
			For >75 To 100, Deduct	-23.26	
			For >100 To 200, Deduct	-51.69	
			For >200, Deduct	-74.96	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	55.11	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	665.26	106.43
			Note: Includes adhesive.		
			For Up To 10, Add	175.63	
			For >10 To 20, Add	98.46	
			For >20 To 40, Add	54.55	
			For >75 To 100, Deduct	-27.28	
			For >100 To 200, Deduct	-59.87	
			For >200, Deduct	-87.15	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	55.11	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened	322.26	75.14
			Note: Includes fasteners.		
			For Up To 10, Add	94.50	
			For >10 To 20, Add	54.77	
			For >20 To 40, Add	31.14	
			For >75 To 100, Deduct	-15.57	
			For >100 To 200, Deduct	-34.90	
			For >200, Deduct	-50.47	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	37.57	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	38.85	
07 54 23 00-0007	SQ		50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened	344.47	76.70
			Note: Includes fasteners.		
			For Up To 10, Add	99.57	
			For >10 To 20, Add	57.46	
			For >20 To 40, Add	32.56	
			For >75 To 100, Deduct	-16.28	
			For >100 To 200, Deduct	-36.40	
			For >200, Deduct	-52.68	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	38.35	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	39.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0008 SQ 60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	356.09	78.27
Note: Includes fasteners.		
For Up To 10, Add	102.52	
For >10 To 20, Add	59.09	
For >20 To 40, Add	33.46	
For >75 To 100, Deduct	-16.73	
For >100 To 200, Deduct	-37.37	
For >200, Deduct	-54.10	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Integral Polyester Fleece-Backing, Add	33.25	
For Mechanically Fastened To Concrete Decks, Add	39.13	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	40.41	
07 54 23 00-0009 SQ 80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	504.00	81.39
Note: Includes fasteners.		
For Up To 10, Add	133.36	
For >10 To 20, Add	74.82	
For >20 To 40, Add	41.48	
For >75 To 100, Deduct	-20.74	
For >100 To 200, Deduct	-45.55	
For >200, Deduct	-66.29	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	7.00	
For 25 Year Warranty, Add	9.00	
For Integral Polyester Fleece-Backing, Add	33.25	
For Mechanically Fastened To Concrete Decks, Add	40.70	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.98	
07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0011 SQ Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	88.05	
For Up To 10, Add	22.62	
For >10 To 20, Add	12.56	
For >20 To 40, Add	6.91	
For >75 To 100, Deduct	-3.45	
For >100 To 200, Deduct	-7.53	
For >200, Deduct	-10.99	
07 54 23 00-0012 SQ Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat	76.94	
Note: 55% solids by volume.		
For Up To 10, Add	20.40	
For >10 To 20, Add	11.45	
For >20 To 40, Add	6.35	
For >75 To 100, Deduct	-3.18	
For >100 To 200, Deduct	-6.98	
For >200, Deduct	-10.15	
For Tan Or Gray Color, Add	2.59	
07 54 23 00-0013 EA Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot	66.85	10.65
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014 EA >3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot	72.24	11.89
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015 EA 6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket.....	130.77	13.14
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016 LF 30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	31.32	7.26
07 54 23 00-0017 SF Thermoplastic Polyolefin (TPO) Membrane Base Flashing	8.71	1.88
07 54 23 00-0018 SF Thermoplastic Polyolefin (TPO) Curb Flashing.....	7.77	1.88
For Tan Or Gray Color, Add	0.11	
07 54 23 00-0019 SF Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing	12.58	1.88
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		
07 56 Fluid-Applied Roofing (07 50)		
07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,106.22	166.81
For Each Additional Coat, Add	165.93	
07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing	1,336.41	175.79
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing	1,495.38	196.32
07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	463.91	100.73
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	561.53	100.73
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	634.96	100.73
07 56 00 00-0010 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On (07 56)		
Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0012	SQ		Elastomeric Installation Over Urethane Foam	1,050.09	
07 56 00 00-0013	SQ		Elastomeric Installation Over Decks	1,077.88	
07 56 00 00-0014	SQ		Elastomeric Installation Over Exterior, Waterproofing	432.88	
07 56 00 00-0015	SQ		Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof	1,375.82	
07 56 00 00-0016	SQ		Elastomeric Installation Over New Construction, Waterproofing	766.52	
07 56 00 00-0017	SQ		Elastomeric Installation Over Mobile Home	506.47	
07 56 00 00-0018	SQ		Elastomeric Installation Over Corrugated Metal Roofs	593.37	
07 56 00 00-0019	SQ		Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,136.98	
07 56 00 00-0020	SQ		4" Acrylic Gel With Fabric (Apply At Edges)	4.03	
07 56 00 00-0021	SQ		6" Acrylic Gel With Fabric (Apply At Edges)	5.70	
07 56 00 00-0022			Polyurethane Roof Coating, Sprayed On Assemblies (07 56) Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023	SF		Up To 50 SF White (High-Albedo) Polyurethane Coating	12.04	
07 56 00 00-0024	SF		>50 To 100 SF White (High-Albedo) Polyurethane Coating	11.50	
07 56 00 00-0025	SF		>100 To 500 SF White (High-Albedo) Polyurethane Coating	10.97	
07 56 00 00-0026	SEA		>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.29	
07 56 00 00-0027			Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0028	SQ		90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane	1,834.01	100.73
			Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.		
07 56 00 00-0029			Urethane Liquid Roofing Membrane (07 56) Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030	SQ		Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	98.81	
07 56 00 00-0031	LF		Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	5.86	
07 56 00 00-0032	SQ		White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	376.42	
07 56 00 00-0033	SQ		White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	98.01	
07 56 00 00-0034	SQ		White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	924.55	
07 56 00 00-0035	SQ		White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,395.28	
07 56 00 00-0036	SQ		White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	956.40	
07 56 00 00-0037	SQ		White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	248.81	
07 57 Coated Foamed Roofing (07 50)					
07 57 13 Sprayed Polyurethane Foam Roofing (07 57)					
			Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001			Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002			Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003			Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	394.06	61.93
07 57 13 00-0005	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	470.64	66.36
07 57 13 00-0006	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	547.23	70.78
07 57 13 00-0007	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	631.30	75.20
07 57 13 00-0008	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	715.37	79.62
07 57 13 00-0009	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	784.46	84.05
07 57 13 00-0010	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	853.55	88.48
07 57 13 00-0011	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	930.14	92.89
07 57 13 00-0012	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,006.72	97.32
07 57 13 00-0013	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,083.30	101.75
07 57 13 00-0014	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,159.88	106.16



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 57 13 00-0015	Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0016	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	405.73	61.93
07 57 13 00-0017	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	482.31	66.36
07 57 13 00-0018	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	558.89	70.78
07 57 13 00-0019	SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	635.46	75.20
07 57 13 00-0020	SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	712.04	79.62
07 57 13 00-0021	SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	788.62	84.05
07 57 13 00-0022	SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	865.22	88.48
07 57 13 00-0023	SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	941.80	92.89
07 57 13 00-0024	SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,018.38	97.32
07 57 13 00-0025	SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,094.96	101.75
07 57 13 00-0026	SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,171.54	106.16

07 57 13 00-0027	Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0028	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	434.05	61.93
07 57 13 00-0029	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	508.13	66.36
07 57 13 00-0030	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	582.21	70.78
07 57 13 00-0031	SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	658.79	75.20
07 57 13 00-0032	SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	735.37	79.62
07 57 13 00-0033	SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	843.11	84.05
07 57 13 00-0034	SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	950.85	88.48
07 57 13 00-0035	SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,033.77	92.89
07 57 13 00-0036	SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,116.68	97.32
07 57 13 00-0037	SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,199.59	101.75
07 57 13 00-0038	SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,282.51	106.16

07 57 13 00-0039	Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating <small>(07 57 13 00-0001)</small>		
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07 57 13 00-0040	Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0041	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	442.38	61.93
07 57 13 00-0042	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	525.29	66.36
07 57 13 00-0043	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	608.21	70.78
07 57 13 00-0044	SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	691.11	75.20
07 57 13 00-0045	SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	774.02	79.62
07 57 13 00-0046	SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	856.93	84.05
07 57 13 00-0047	SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	939.86	88.48
07 57 13 00-0048	SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,022.77	92.89
07 57 13 00-0049	SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,105.68	97.32

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0050	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,188.60	101.75
07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	1,271.51	106.16
07 57 13 00-0052			Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0053	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	458.87	61.93
07 57 13 00-0054	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	541.79	66.36
07 57 13 00-0055	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	624.70	70.78
07 57 13 00-0056	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	707.60	75.20
07 57 13 00-0057	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	790.52	79.62
07 57 13 00-0058	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	873.43	84.05
07 57 13 00-0059	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	956.35	88.48
07 57 13 00-0060	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,039.26	92.89
07 57 13 00-0061	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,122.18	97.32
07 57 13 00-0062	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,205.09	101.75
07 57 13 00-0063	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	1,288.00	106.16
07 57 13 00-0064			Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	471.70	61.93
07 57 13 00-0066	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	554.62	66.36
07 57 13 00-0067	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	637.53	70.78
07 57 13 00-0068	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	720.43	75.20
07 57 13 00-0069	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	803.34	79.62
07 57 13 00-0070	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	886.26	84.05
07 57 13 00-0071	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	969.18	88.48
07 57 13 00-0072	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,052.09	92.89
07 57 13 00-0073	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,135.01	97.32
07 57 13 00-0074	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,217.92	101.75
07 57 13 00-0075	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,300.83	106.16
07 58 Roll Roofing <small>(07 50)</small>					
07 58 00 00-0001			Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	265.58	39.69
07 59 Membrane Roofing Termination Bar <small>(07 50)</small>					
07 59 00 00-0001			Membrane Roofing Termination Bar <small>(07 59)</small>		
07 59 00 00-0002	LF		Membrane Roofing Termination Bar..... Note: Includes fasteners and caulking.	5.45	1.79
07 60 Flashing and Sheet Metal <small>(07)</small>					
07 61 Sheet Metal Roofing <small>(07 60)</small>					
07 61 13			Standing Seam Sheet Metal Roofing <small>(07 61)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0001 Standing Seam Concealed Fastener Roofing <small>(07 61 13)</small>		
07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0003 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	37.21	3.68
For Steep Roof, Over 6 To 12, Add	2.20	
For Panels <16" Wide, Add	3.22	
For 140 MPH Wind Load, Add	1.33	
For Up To 1,500, Add	9.30	
For >1,500 To 5,000, Add	5.58	
For >5,000 To 10,000, Add	0.93	
07 61 13 00-0004 SF Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	40.74	3.98
For Steep Roof, Over 6 To 12, Add	2.39	
For Panels <16" Wide, Add	3.51	
For 140 MPH Wind Load, Add	1.45	
For Up To 1,500, Add	10.19	
For >1,500 To 5,000, Add	6.11	
For >5,000 To 10,000, Add	1.02	
07 61 13 00-0005 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	48.02	4.35
For Steep Roof, Over 6 To 12, Add	2.60	
For Panels <16" Wide, Add	4.01	
For 140 MPH Wind Load, Add	1.65	
For Up To 1,500, Add	12.01	
For >1,500 To 5,000, Add	7.20	
For >5,000 To 10,000, Add	1.20	
07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0007 SF 0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	43.50	3.98
For Steep Roof, Over 6 To 12, Add	2.39	
For Panels <16" Wide, Add	3.65	
For 140 MPH Wind Load, Add	1.51	
For Up To 1,500, Add	10.88	
For >1,500 To 5,000, Add	6.53	
For >5,000 To 10,000, Add	1.09	
For Tin/Copper, Deduct	-0.71	
07 61 13 00-0008 SF 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	52.74	4.15
For Steep Roof, Over 6 To 12, Add	2.49	
For Panels <16" Wide, Add	4.17	
For 140 MPH Wind Load, Add	1.72	
For Up To 1,500, Add	13.19	
For >1,500 To 5,000, Add	7.91	
For >5,000 To 10,000, Add	1.32	
For Tin/Copper, Deduct	-0.89	
07 61 13 00-0009 SF 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	59.97	4.35
For Steep Roof, Over 6 To 12, Add	2.60	
For Panels <16" Wide, Add	4.60	
For 140 MPH Wind Load, Add	1.89	
For Up To 1,500, Add	14.99	
For >1,500 To 5,000, Add	9.00	
For >5,000 To 10,000, Add	1.50	
For Tin/Copper, Deduct	-1.03	
07 61 13 00-0010 SF 0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	75.24	4.55
For Steep Roof, Over 6 To 12, Add	2.73	
For Panels <16" Wide, Add	5.44	
For 140 MPH Wind Load, Add	2.23	
For Up To 1,500, Add	18.81	
For >1,500 To 5,000, Add	11.29	
For >5,000 To 10,000, Add	1.88	
For Tin/Copper, Deduct	-1.32	
07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0012 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	156.55	7.59
For Steep Roof, Over 6 To 12, Add	5.69	
For 140 MPH Wind Load, Add	4.65	
07 61 13 00-0013 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	89.92	7.59
For Steep Roof, Over 6 To 12, Add	5.69	
For 140 MPH Wind Load, Add	3.32	
07 61 13 00-0014 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	219.54	7.59
For Steep Roof, Over 6 To 12, Add	5.69	
For 140 MPH Wind Load, Add	5.91	
07 61 13 00-0015 LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	161.53	7.59
For Steep Roof, Over 6 To 12, Add	5.69	
For 140 MPH Wind Load, Add	4.75	
07 61 16 Batten Seam Sheet Metal Roofing <small>(07 61)</small>		
07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16)</small>		
07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16 00-0001)</small>		

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0003	SF		16 Ounce Copper Batten Seam Concealed Fastener Roofing	45.83	4.35
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.60	
			<i>For Panels <16" Wide, Add</i>	3.90	
			<i>For 140 MPH Wind Load, Add</i>	1.61	
			<i>For Up To 1,500, Add</i>	11.46	
			<i>For >1,500 To 5,000, Add</i>	6.87	
			<i>For >5,000 To 10,000, Add</i>	1.15	
07 61 16 00-0004	SF		18 Ounce Copper Batten Seam Concealed Fastener Roofing	50.64	4.56
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.73	
			<i>For Panels <16" Wide, Add</i>	4.22	
			<i>For 140 MPH Wind Load, Add</i>	1.74	
			<i>For Up To 1,500, Add</i>	12.66	
			<i>For >1,500 To 5,000, Add</i>	7.60	
			<i>For >5,000 To 10,000, Add</i>	1.27	
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing	59.09	4.77
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.87	
			<i>For Panels <16" Wide, Add</i>	4.72	
			<i>For 140 MPH Wind Load, Add</i>	1.95	
			<i>For Up To 1,500, Add</i>	14.77	
			<i>For >1,500 To 5,000, Add</i>	8.86	
			<i>For >5,000 To 10,000, Add</i>	1.48	
07 61 16 00-0006			Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	46.56	3.98
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.39	
			<i>For Panels <16" Wide, Add</i>	3.80	
			<i>For 140 MPH Wind Load, Add</i>	1.57	
			<i>For Up To 1,500, Add</i>	11.64	
			<i>For >1,500 To 5,000, Add</i>	6.98	
			<i>For >5,000 To 10,000, Add</i>	1.16	
			<i>For Tin/Copper, Deduct</i>	-0.77	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	57.11	4.15
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.49	
			<i>For Panels <16" Wide, Add</i>	4.39	
			<i>For 140 MPH Wind Load, Add</i>	1.81	
			<i>For Up To 1,500, Add</i>	14.28	
			<i>For >1,500 To 5,000, Add</i>	8.57	
			<i>For >5,000 To 10,000, Add</i>	1.43	
			<i>For Tin/Copper, Deduct</i>	-0.98	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	64.05	4.35
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.60	
			<i>For Panels <16" Wide, Add</i>	4.81	
			<i>For 140 MPH Wind Load, Add</i>	1.98	
			<i>For Up To 1,500, Add</i>	16.01	
			<i>For >1,500 To 5,000, Add</i>	9.61	
			<i>For >5,000 To 10,000, Add</i>	1.60	
			<i>For Tin/Copper, Deduct</i>	-1.11	
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	80.49	4.55
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.73	
			<i>For Panels <16" Wide, Add</i>	5.71	
			<i>For 140 MPH Wind Load, Add</i>	2.34	
			<i>For Up To 1,500, Add</i>	20.12	
			<i>For >1,500 To 5,000, Add</i>	12.07	
			<i>For >5,000 To 10,000, Add</i>	2.01	
			<i>For Tin/Copper, Deduct</i>	-1.43	
07 61 19 Flat Seam Sheet Metal Roofing (07 61)					
07 61 19 00-0001			Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002			Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF		16 Ounce Copper Flat Seam Concealed Fastener Roofing	35.34	3.98
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.39	
			<i>For Panels <16" Wide, Add</i>	3.24	
			<i>For 140 MPH Wind Load, Add</i>	1.34	
			<i>For Up To 1,500, Add</i>	8.84	
			<i>For >1,500 To 5,000, Add</i>	5.30	
			<i>For >5,000 To 10,000, Add</i>	0.88	
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing	38.90	4.15
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.49	
			<i>For Panels <16" Wide, Add</i>	3.48	
			<i>For 140 MPH Wind Load, Add</i>	1.44	
			<i>For Up To 1,500, Add</i>	9.73	
			<i>For >1,500 To 5,000, Add</i>	5.84	
			<i>For >5,000 To 10,000, Add</i>	0.97	
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing	45.11	4.35
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.60	
			<i>For Panels <16" Wide, Add</i>	3.86	
			<i>For 140 MPH Wind Load, Add</i>	1.60	
			<i>For Up To 1,500, Add</i>	11.28	
			<i>For >1,500 To 5,000, Add</i>	6.77	
			<i>For >5,000 To 10,000, Add</i>	1.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		
07 61 19 00-0007 SF 0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	40.74	3.98
<i>For Steep Roof, Over 6 To 12, Add</i>	2.39	
<i>For Panels <16" Wide, Add</i>	3.51	
<i>For 140 MPH Wind Load, Add</i>	1.45	
<i>For Up To 1,500, Add</i>	10.19	
<i>For >1,500 To 5,000, Add</i>	6.11	
<i>For >5,000 To 10,000, Add</i>	1.02	
<i>For Tin/Copper, Deduct</i>	-0.66	
07 61 19 00-0008 SF 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	49.83	4.15
<i>For Steep Roof, Over 6 To 12, Add</i>	2.49	
<i>For Panels <16" Wide, Add</i>	4.03	
<i>For 140 MPH Wind Load, Add</i>	1.66	
<i>For Up To 1,500, Add</i>	12.46	
<i>For >1,500 To 5,000, Add</i>	7.47	
<i>For >5,000 To 10,000, Add</i>	1.25	
<i>For Tin/Copper, Deduct</i>	-0.83	
07 61 19 00-0009 SF 0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	56.04	4.35
<i>For Steep Roof, Over 6 To 12, Add</i>	2.60	
<i>For Panels <16" Wide, Add</i>	4.41	
<i>For 140 MPH Wind Load, Add</i>	1.82	
<i>For Up To 1,500, Add</i>	14.01	
<i>For >1,500 To 5,000, Add</i>	8.41	
<i>For >5,000 To 10,000, Add</i>	1.40	
<i>For Tin/Copper, Deduct</i>	-0.95	
07 61 19 00-0010 SF 0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	70.29	4.55
<i>For Steep Roof, Over 6 To 12, Add</i>	2.73	
<i>For Panels <16" Wide, Add</i>	5.20	
<i>For 140 MPH Wind Load, Add</i>	2.13	
<i>For Up To 1,500, Add</i>	17.57	
<i>For >1,500 To 5,000, Add</i>	10.54	
<i>For >5,000 To 10,000, Add</i>	1.76	
<i>For Tin/Copper, Deduct</i>	-1.22	
07 62 Sheet Metal Flashing and Trim <small>(07 60)</small>		
07 62 13 Fabricated Copings <small>(07 62)</small>		
07 62 13 00-0001 Lead Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0002 SF 2.5 LB/SF Sheet Lead Flashing.....	24.51	6.18
<i>For Up To 100, Add</i>	6.13	
07 62 13 00-0003 SF 4 LB/SF Sheet Lead Flashing.....	31.82	6.18
<i>For Up To 100, Add</i>	7.96	
07 62 13 00-0004 Copper Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0005 Copper Flashing And Trim <small>(07 62 13 00-0004)</small>		
07 62 13 00-0006 SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	31.25	6.05
<i>For Up To 100, Add</i>	7.81	
<i>For >500 To 2,000, Deduct</i>	-4.30	
<i>For >2,000, Deduct</i>	-5.27	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.39	
<i>For Wrap Around Window Panning, Add</i>	11.95	
07 62 13 00-0007 SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	32.28	6.18
<i>For Up To 100, Add</i>	8.07	
<i>For >500 To 2,000, Deduct</i>	-4.45	
<i>For >2,000, Deduct</i>	-5.44	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.50	
<i>For Wrap Around Window Panning, Add</i>	12.50	
07 62 13 00-0008 SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	36.83	6.60
<i>For Up To 100, Add</i>	9.21	
<i>For >500 To 2,000, Deduct</i>	-5.05	
<i>For >2,000, Deduct</i>	-6.24	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.62	
<i>For Wrap Around Window Panning, Add</i>	13.09	
07 62 13 00-0009 SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	45.40	6.88
<i>For Up To 100, Add</i>	11.35	
<i>For >500 To 2,000, Deduct</i>	-6.18	
<i>For >2,000, Deduct</i>	-7.76	
<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.75	
<i>For Wrap Around Window Panning, Add</i>	13.75	
07 62 13 00-0010 Stainless Steel Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0011 Stainless Steel Flashing And Trim <small>(07 62 13 00-0010)</small>		
07 62 13 00-0012 SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	11.22	3.30
<i>For Up To 100, Add</i>	2.81	
<i>For Wrap Around Window Panning, Add</i>	8.49	
<i>For Mechanically Keyed Flashing, Add</i>	1.09	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0013	SF		30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	12.03	3.71
			<i>For Up To 100, Add</i>	3.01	
			<i>For Wrap Around Window Panning, Add</i>	8.62	
			<i>For Mechanically Keyed Flashing, Add</i>	1.36	
07 62 13 00-0014	SF		28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	12.85	4.13
			<i>For Up To 100, Add</i>	3.21	
			<i>For Wrap Around Window Panning, Add</i>	8.77	
			<i>For Mechanically Keyed Flashing, Add</i>	1.63	
07 62 13 00-0015	SF		26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	14.16	4.54
			<i>For Up To 100, Add</i>	3.54	
			<i>For Wrap Around Window Panning, Add</i>	9.05	
			<i>For Mechanically Keyed Flashing, Add</i>	2.04	
07 62 13 00-0016	SF		24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	16.35	4.81
			<i>For Up To 100, Add</i>	4.09	
			<i>For Wrap Around Window Panning, Add</i>	9.55	
			<i>For Mechanically Keyed Flashing, Add</i>	2.72	
07 62 13 00-0017	SF		22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	17.79	5.05
			<i>For Up To 100, Add</i>	4.45	
			<i>For Wrap Around Window Panning, Add</i>	10.11	
			<i>For Mechanically Keyed Flashing, Add</i>	3.07	
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	19.02	5.37
			<i>For Up To 100, Add</i>	4.76	
			<i>For Wrap Around Window Panning, Add</i>	10.70	
			<i>For Mechanically Keyed Flashing, Add</i>	3.33	
07 62 13 00-0019			Aluminum Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0020			Aluminum Flashing And Trim <small>(07 62 13 00-0019)</small>		
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	13.60	4.27
			<i>For Up To 100, Add</i>	3.40	
			<i>For Baked Aluminum Colors, Add</i>	0.41	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim.....	14.50	4.27
			<i>For Up To 100, Add</i>	3.63	
			<i>For Baked Aluminum Colors, Add</i>	0.50	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim.....	15.21	4.27
			<i>For Up To 100, Add</i>	3.80	
			<i>For Baked Aluminum Colors, Add</i>	0.57	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim.....	16.25	4.27
			<i>For Up To 100, Add</i>	4.06	
			<i>For Baked Aluminum Colors, Add</i>	0.68	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim.....	17.69	4.27
			<i>For Up To 100, Add</i>	4.42	
			<i>For Baked Aluminum Colors, Add</i>	0.82	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim.....	18.57	4.27
			<i>For Up To 100, Add</i>	4.64	
			<i>For Baked Aluminum Colors, Add</i>	0.91	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim.....	19.29	4.27
			<i>For Up To 100, Add</i>	4.82	
			<i>For Baked Aluminum Colors, Add</i>	0.98	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0028			Steel Flashing And Trim <small>(07 62 13)</small>		
07 62 13 00-0029			Galvanized Steel Flashing And Trim <small>(07 62 13 00-0028)</small>		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	13.25	4.13
			<i>For Up To 100, Add</i>	3.31	
			<i>For Wrap Around Window Panning, Add</i>	8.77	
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	13.77	4.54
			<i>For Up To 100, Add</i>	3.44	
			<i>For Wrap Around Window Panning, Add</i>	9.05	
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	14.65	4.81
			<i>For Up To 100, Add</i>	3.66	
			<i>For Wrap Around Window Panning, Add</i>	9.55	
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	15.58	5.05
			<i>For Up To 100, Add</i>	3.90	
			<i>For Wrap Around Window Panning, Add</i>	10.11	
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	16.82	5.37
			<i>For Up To 100, Add</i>	4.21	
			<i>For Wrap Around Window Panning, Add</i>	10.70	

07 62 19 Fabricated Gravel Stops and Fasciae (07 62)07 62 19 00-0001 Drip Edge (07 62 19)07 62 19 00-0002 Aluminum Drip Edge (07 62 19 00-0001)

Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.53	1.99
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	16.79	2.13
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	18.93	2.39
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	22.69	2.52
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	28.85	2.65
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.44	1.99
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.80	2.13
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.45	2.39
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	24.51	2.52
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	30.56	2.65
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.35	1.99
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	19.01	2.13
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.91	2.39
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	26.32	2.52
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	32.98	2.65
07 62 19 00-0022		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.17	1.99
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	21.43	2.13
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	24.78	2.39
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	29.95	2.52
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	37.83	2.65
07 62 19 00-0028		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.77	1.99
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	22.34	2.13
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	25.74	2.39
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	31.16	2.52
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	39.44	2.65
07 62 19 00-0034		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	19.89	1.99
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	25.06	2.13
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	29.07	2.39
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	35.40	2.52
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	45.09	2.65
07 62 19 00-0040		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	22.92	1.99
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	29.09	2.13
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	33.86	2.39
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	41.45	2.52
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	53.16	2.65
07 62 19 00-0046		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0003)</small>		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	26.55	1.99
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	33.94	2.13
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	39.61	2.39
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	48.71	2.52
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	62.84	2.65
07 62 19 00-0052		Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0053		0.016" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	11.19	1.99
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	13.60	2.13
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	15.24	2.39
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	17.99	2.52
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	22.37	2.65
07 62 19 00-0059		0.019" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	11.81	1.99
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	14.29	2.13

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0062 LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	16.28	2.39
07 62 19 00-0063 LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	19.25	2.52
07 62 19 00-0064 LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	23.55	2.65
07 62 19 00-0065 0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0066 LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	12.44	1.99
07 62 19 00-0067 LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	15.13	2.13
07 62 19 00-0068 LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	17.29	2.39
07 62 19 00-0069 LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	20.50	2.52
07 62 19 00-0070 LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	25.22	2.65
07 62 19 00-0071 0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0072 LF Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	13.69	1.99
07 62 19 00-0073 LF >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	16.80	2.13
07 62 19 00-0074 LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	19.27	2.39
07 62 19 00-0075 LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	23.00	2.52
07 62 19 00-0076 LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	28.56	2.65
07 62 19 00-0077 0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0078 LF Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	14.11	1.99
07 62 19 00-0079 LF >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	17.42	2.13
07 62 19 00-0080 LF >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	19.93	2.39
07 62 19 00-0081 LF >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	23.84	2.52
07 62 19 00-0082 LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	29.67	2.65
07 62 19 00-0083 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0084 LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	15.57	1.99
07 62 19 00-0085 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	19.30	2.13
07 62 19 00-0086 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	22.23	2.39
07 62 19 00-0087 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	26.76	2.52
07 62 19 00-0088 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	33.57	2.65
07 62 19 00-0089 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0090 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	17.66	1.99
07 62 19 00-0091 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	22.08	2.13
07 62 19 00-0092 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	25.53	2.39
07 62 19 00-0093 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	30.93	2.52
07 62 19 00-0094 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	39.13	2.65
07 62 19 00-0095 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0096 LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	20.16	1.99
07 62 19 00-0097 LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	25.42	2.13
07 62 19 00-0098 LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	29.50	2.39
07 62 19 00-0099 LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	35.94	2.52
07 62 19 00-0100 LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	45.81	2.65
07 62 19 00-0101 Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0102 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0103 LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.99	1.99
07 62 19 00-0104 LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.41	2.13
07 62 19 00-0105 LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.65	2.39
07 62 19 00-0106 LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.60	2.52
07 62 19 00-0107 LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	30.10	2.65
07 62 19 00-0108 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0109 LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.95	1.99
07 62 19 00-0110 LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.47	2.13
07 62 19 00-0111 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.25	2.39
07 62 19 00-0112 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.52	2.52
07 62 19 00-0113 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.92	2.65
07 62 19 00-0114 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0115 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.91	1.99
07 62 19 00-0116 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.76	2.13
07 62 19 00-0117 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.80	2.39
07 62 19 00-0118 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	27.45	2.52
07 62 19 00-0119 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	34.49	2.65



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0120				0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.84	1.99
			LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.32	2.13
			LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.85	2.39
			LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.30	2.52
			LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.62	2.65
07 62 19 00-0126				0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.48	1.99
			LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.29	2.13
			LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.86	2.39
			LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.58	2.52
			LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.33	2.65
07 62 19 00-0132				0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.72	1.99
			LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.17	2.13
			LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.39	2.39
			LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.07	2.52
			LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	47.32	2.65
07 62 19 00-0138				0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.93	1.99
			LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.45	2.13
			LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.47	2.39
			LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.48	2.52
			LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	55.87	2.65
07 62 19 00-0144				0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
			LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.78	1.99
			LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.58	2.13
			LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.56	2.39
			LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	51.18	2.52
			LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	66.13	2.65
07 62 19 00-0150				Galvanized Steel Drip Edge (07 62 19 00-0001)		
				Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151				Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0152				26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
			LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	12.93	1.99
			LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	15.84	2.13
			LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	18.07	2.39
			LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	21.48	2.52
			LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	26.53	2.65
07 62 19 00-0158				24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
			LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	13.98	1.99
			LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	17.24	2.13
			LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	19.72	2.39
			LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	23.58	2.52
			LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	29.31	2.65
07 62 19 00-0164				KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0165				26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
			LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	16.06	1.99
			LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	20.04	2.13
			LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.03	2.39
			LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	27.75	2.52
			LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	34.88	2.65
07 62 19 00-0171				24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
			LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.58	1.99
			LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.08	2.13
			LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	25.43	2.39
			LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	30.77	2.52
			LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	38.92	2.65

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 62 19 00-0177		Stainless Steel Drip Edge (07 62 19 00-0001) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	21.84	1.99
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	27.66	2.13
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	32.16	2.39
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	39.30	2.52
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	50.29	2.65
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	26.84	1.99
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	34.32	2.13
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	40.10	2.39
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	49.30	2.52
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	63.62	2.65
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	32.72	1.99
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	42.16	2.13
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	49.40	2.39
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	61.05	2.52
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	79.30	2.65

07 63 Sheet Metal Roofing Specialties (07 60)

07 63 00 00-0001		Pitch Pockets (07 63) Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	98.99	
		For Pourable Sealer Filled, Add	39.41	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	19.71	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	119.00	
		For Pourable Sealer Filled, Add	88.72	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	44.48	
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	144.53	
		For Pourable Sealer Filled, Add	157.63	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	78.64	
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	158.52	
		For Pourable Sealer Filled, Add	197.04	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	98.84	
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	171.73	
		For Pourable Sealer Filled, Add	236.45	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	118.24	
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	201.19	
		For Pourable Sealer Filled, Add	354.67	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	176.24	
07 63 00 00-0009		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	98.60	
		For Pourable Sealer Filled, Add	39.41	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	19.71	
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	118.36	
		For Pourable Sealer Filled, Add	88.72	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	44.48	
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	144.24	
		For Pourable Sealer Filled, Add	157.63	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	78.64	
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	161.09	
		For Pourable Sealer Filled, Add	197.04	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	98.84	
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	173.84	
		For Pourable Sealer Filled, Add	236.45	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	118.24	
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	203.56	
		For Pourable Sealer Filled, Add	354.67	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	176.24	
07 63 00 00-0016		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	104.94	
		For Pourable Sealer Filled, Add	39.41	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	19.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0018 EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	124.88	
<i>For Pourable Sealer Filled, Add</i>	88.72	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.48	
07 63 00 00-0019 EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	145.56	
<i>For Pourable Sealer Filled, Add</i>	157.63	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	78.64	
07 63 00 00-0020 EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	158.50	
<i>For Pourable Sealer Filled, Add</i>	197.04	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	98.84	
07 63 00 00-0021 EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	170.39	
<i>For Pourable Sealer Filled, Add</i>	236.45	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	118.24	
07 63 00 00-0022 SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	197.36	
<i>For Pourable Sealer Filled, Add</i>	354.67	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	176.24	
07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout <small>(07 63 00 00-0001)</small>		
<small>Note: Includes removing existing filler and refilling with non-shrink grout.</small>		
07 63 00 00-0024 EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	86.85	
<i>For Pourable Sealer Filled, Add</i>	39.41	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	19.71	
07 63 00 00-0025 EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	98.81	
<i>For Pourable Sealer Filled, Add</i>	88.72	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.48	
07 63 00 00-0026 EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	114.60	
<i>For Pourable Sealer Filled, Add</i>	157.63	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	78.64	
07 63 00 00-0027 EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	124.73	
<i>For Pourable Sealer Filled, Add</i>	197.04	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	98.84	
07 63 00 00-0028 EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	134.86	
<i>For Pourable Sealer Filled, Add</i>	236.45	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	118.24	
07 63 00 00-0029 SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	159.95	
<i>For Pourable Sealer Filled, Add</i>	354.67	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	176.24	
07 63 00 00-0030 Lead Pipe Flashing For Roofs <small>(07 63)</small>		
<small>Note: Includes 6" skirt base.</small>		
07 63 00 00-0031 EA 1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	97.44	32.52
07 63 00 00-0032 EA 1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	97.44	32.52
07 63 00 00-0033 EA 2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	115.59	32.52
07 63 00 00-0034 EA 3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	125.97	32.52
07 63 00 00-0035 EA 4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	131.15	32.52
07 63 00 00-0036 EA 4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	133.75	32.52
07 63 00 00-0037 EA 6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	159.68	32.52
07 63 00 00-0038 EA 8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	171.35	32.52
07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing <small>(07 63)</small>		
07 63 00 00-0040 EA 2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	86.57	21.02
07 63 00 00-0041 EA 3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	87.89	21.02
07 63 00 00-0042 EA 4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	92.70	21.02
07 63 00 00-0043 EA 6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	96.84	21.02
07 65 Flexible Flashing <small>(07 60)</small>		
07 65 16 Modified Bituminous Sheet Flashing <small>(07 65)</small>		
07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems <small>(07 65 16)</small>		
<small>See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.</small>		
07 65 16 00-0002 SF 60 Mil, Urethane Elastomer Liquid Applied Flashing.....	14.96	2.51
<small>Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.</small>		
07 65 19 Plastic Sheet Flashing <small>(07 65)</small>		
07 65 19 00-0001 Plastic Flashing And Trim <small>(07 65 19)</small>		
07 65 19 00-0002 Neoprene Flashing <small>(07 65 19 00-0001)</small>		
07 65 19 00-0003 60 Mil Neoprene Flashing <small>(07 65 19 00-0002)</small>		
07 65 19 00-0004 LF 6" Wide Strip, 60 Mil, Neoprene Flashing.....	10.83	3.57
07 65 19 00-0005 LF 12" Wide Strip, 60 Mil, Neoprene Flashing.....	14.17	3.84
07 65 19 00-0006 LF 18" Wide Strip, 60 Mil, Neoprene Flashing.....	17.89	4.23
07 65 19 00-0007 LF 24" Wide Strip, 60 Mil, Neoprene Flashing.....	21.85	4.77
07 65 33 Flexible Roof Boot <small>(07 65)</small>		

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 65 Flexible Flashing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 65 33 00-0001			Neoprene Roof Boot ^(07 65 33)		
07 65 33 00-0002	EA		2" Diameter Pipe, Neoprene Roof Boot	58.83	10.98
07 65 33 00-0003	EA		3" Diameter Pipe, Neoprene Roof Boot	69.96	12.30
07 65 33 00-0004	EA		4" Diameter Pipe, Neoprene Roof Boot	78.33	13.23

07 70 Roof and Wall Specialties and Accessories ⁽⁰⁷⁾**07 71 Roof Specialties ^(07 70)****07 71 13 Manufactured Copings ^(07 71)****07 71 13 00-0001 Galvanized Steel Copings ^(07 71 13)****07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized****Steel Cleats ^(07 71 13 00-0001)**

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF		10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	34.95	2.86
			For Up To 25 LF, Add	5.41	
			For >25 To 100 LF, Add	2.70	
			For >1,000 LF, Deduct	-0.48	
07 71 13 00-0004	LF		>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.89	3.11
			For Up To 25 LF, Add	5.76	
			For >25 To 100 LF, Add	2.88	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0005	LF		>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	42.00	3.27
			For Up To 25 LF, Add	6.38	
			For >25 To 100 LF, Add	3.19	
			For >1,000 LF, Deduct	-0.55	
07 71 13 00-0006	LF		>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	48.72	3.58
			For Up To 25 LF, Add	7.26	
			For >25 To 100 LF, Add	3.63	
			For >1,000 LF, Deduct	-0.60	
07 71 13 00-0007	LF		>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	58.71	3.74
			For Up To 25 LF, Add	8.36	
			For >25 To 100 LF, Add	4.18	
			For >1,000 LF, Deduct	-0.62	

07 71 13 00-0008 Aluminum Copings ^(07 71 13)**07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats ^(07 71 13 00-0008)**

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats ^(07 71 13 00-0009)

07 71 13 00-0011	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	27.91	2.86
			For Up To 25 LF, Add	4.70	
			For >25 To 100 LF, Add	2.35	
			For >1,000 LF, Deduct	-0.48	
07 71 13 00-0012	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.80	3.11
			For Up To 25 LF, Add	5.05	
			For >25 To 100 LF, Add	2.52	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0013	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.66	3.27
			For Up To 25 LF, Add	5.65	
			For >25 To 100 LF, Add	2.82	
			For >1,000 LF, Deduct	-0.55	
07 71 13 00-0014	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	41.28	3.58
			For Up To 25 LF, Add	6.52	
			For >25 To 100 LF, Add	3.26	
			For >1,000 LF, Deduct	-0.60	
07 71 13 00-0015	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	51.08	3.74
			For Up To 25 LF, Add	7.60	
			For >25 To 100 LF, Add	3.80	
			For >1,000 LF, Deduct	-0.62	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats ^(07 71 13 00-0009)

07 71 13 00-0017	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.23	2.86
			For Up To 25 LF, Add	4.94	
			For >25 To 100 LF, Add	2.47	
			For >1,000 LF, Deduct	-0.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0018 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	32.27	3.11
<i>For Up To 25 LF, Add</i>	5.30	
<i>For >25 To 100 LF, Add</i>	2.65	
<i>For >1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0019 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	37.58	3.27
<i>For Up To 25 LF, Add</i>	5.94	
<i>For >25 To 100 LF, Add</i>	2.97	
<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0020 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	44.81	3.58
<i>For Up To 25 LF, Add</i>	6.87	
<i>For >25 To 100 LF, Add</i>	3.43	
<i>For >1,000 LF, Deduct</i>	-0.60	
07 71 13 00-0021 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	55.57	3.74
<i>For Up To 25 LF, Add</i>	8.05	
<i>For >25 To 100 LF, Add</i>	4.02	
<i>For >1,000 LF, Deduct</i>	-0.62	
07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	32.13	2.86
<i>For Up To 25 LF, Add</i>	5.13	
<i>For >25 To 100 LF, Add</i>	2.56	
<i>For >1,000 LF, Deduct</i>	-0.48	
07 71 13 00-0024 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	34.47	3.11
<i>For Up To 25 LF, Add</i>	5.52	
<i>For >25 To 100 LF, Add</i>	2.76	
<i>For >1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0025 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	41.21	3.27
<i>For Up To 25 LF, Add</i>	6.30	
<i>For >25 To 100 LF, Add</i>	3.15	
<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0026 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	51.31	3.58
<i>For Up To 25 LF, Add</i>	7.52	
<i>For >25 To 100 LF, Add</i>	3.76	
<i>For >1,000 LF, Deduct</i>	-0.60	
07 71 13 00-0027 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	66.10	3.74
<i>For Up To 25 LF, Add</i>	9.10	
<i>For >25 To 100 LF, Add</i>	4.55	
<i>For >1,000 LF, Deduct</i>	-0.62	
07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
<small>Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	38.32	2.86
<i>For Up To 25 LF, Add</i>	5.74	
<i>For >25 To 100 LF, Add</i>	2.87	
<i>For >1,000 LF, Deduct</i>	-0.48	
07 71 13 00-0031 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	40.89	3.11
<i>For Up To 25 LF, Add</i>	6.16	
<i>For >25 To 100 LF, Add</i>	3.08	
<i>For >1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0032 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	47.80	3.27
<i>For Up To 25 LF, Add</i>	6.96	
<i>For >25 To 100 LF, Add</i>	3.48	
<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0033 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	57.16	3.58
<i>For Up To 25 LF, Add</i>	8.10	
<i>For >25 To 100 LF, Add</i>	4.05	
<i>For >1,000 LF, Deduct</i>	-0.60	
07 71 13 00-0034 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	71.26	3.74
<i>For Up To 25 LF, Add</i>	9.62	
<i>For >25 To 100 LF, Add</i>	4.81	
<i>For >1,000 LF, Deduct</i>	-0.62	
07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	41.68	2.86
<i>For Up To 25 LF, Add</i>	6.08	
<i>For >25 To 100 LF, Add</i>	3.04	
<i>For >1,000 LF, Deduct</i>	-0.48	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.46	3.11
			For Up To 25 LF, Add	6.51	
			For >25 To 100 LF, Add	3.26	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	52.03	3.27
			For Up To 25 LF, Add	7.38	
			For >25 To 100 LF, Add	3.69	
			For >1,000 LF, Deduct	-0.55	
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	62.28	3.58
			For Up To 25 LF, Add	8.62	
			For >25 To 100 LF, Add	4.31	
			For >1,000 LF, Deduct	-0.60	
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	77.77	3.74
			For Up To 25 LF, Add	10.27	
			For >25 To 100 LF, Add	5.13	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0041			0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.43	2.86
			For Up To 25 LF, Add	6.36	
			For >25 To 100 LF, Add	3.18	
			For >1,000 LF, Deduct	-0.48	
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.65	3.11
			For Up To 25 LF, Add	6.83	
			For >25 To 100 LF, Add	3.42	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	57.30	3.27
			For Up To 25 LF, Add	7.91	
			For >25 To 100 LF, Add	3.96	
			For >1,000 LF, Deduct	-0.55	
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	71.72	3.58
			For Up To 25 LF, Add	9.56	
			For >25 To 100 LF, Add	4.78	
			For >1,000 LF, Deduct	-0.60	
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	93.04	3.74
			For Up To 25 LF, Add	11.80	
			For >25 To 100 LF, Add	5.90	
			For >1,000 LF, Deduct	-0.62	
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048			0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	40.34	2.86
			For Up To 25 LF, Add	5.95	
			For >25 To 100 LF, Add	2.97	
			For >1,000 LF, Deduct	-0.48	
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.03	3.11
			For Up To 25 LF, Add	6.37	
			For >25 To 100 LF, Add	3.19	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	50.34	3.27
			For Up To 25 LF, Add	7.21	
			For >25 To 100 LF, Add	3.61	
			For >1,000 LF, Deduct	-0.55	
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	60.24	3.58
			For Up To 25 LF, Add	8.41	
			For >25 To 100 LF, Add	4.21	
			For >1,000 LF, Deduct	-0.60	
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	75.17	3.74
			For Up To 25 LF, Add	10.01	
			For >25 To 100 LF, Add	5.00	
			For >1,000 LF, Deduct	-0.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>					
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.89	2.86
			<i>For Up To 25 LF, Add</i>	6.30	
			<i>For >25 To 100 LF, Add</i>	3.15	
			<i>For >1,000 LF, Deduct</i>	-0.48	
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.82	3.11
			<i>For Up To 25 LF, Add</i>	6.75	
			<i>For >25 To 100 LF, Add</i>	3.38	
			<i>For >1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	54.83	3.27
			<i>For Up To 25 LF, Add</i>	7.66	
			<i>For >25 To 100 LF, Add</i>	3.83	
			<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	65.66	3.58
			<i>For Up To 25 LF, Add</i>	8.95	
			<i>For >25 To 100 LF, Add</i>	4.48	
			<i>For >1,000 LF, Deduct</i>	-0.60	
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	82.06	3.74
			<i>For Up To 25 LF, Add</i>	10.70	
			<i>For >25 To 100 LF, Add</i>	5.35	
			<i>For >1,000 LF, Deduct</i>	-0.62	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>					
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.81	2.86
			<i>For Up To 25 LF, Add</i>	6.59	
			<i>For >25 To 100 LF, Add</i>	3.30	
			<i>For >1,000 LF, Deduct</i>	-0.48	
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	50.20	3.11
			<i>For Up To 25 LF, Add</i>	7.09	
			<i>For >25 To 100 LF, Add</i>	3.54	
			<i>For >1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	60.41	3.27
			<i>For Up To 25 LF, Add</i>	8.22	
			<i>For >25 To 100 LF, Add</i>	4.11	
			<i>For >1,000 LF, Deduct</i>	-0.55	
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	75.66	3.58
			<i>For Up To 25 LF, Add</i>	9.95	
			<i>For >25 To 100 LF, Add</i>	4.98	
			<i>For >1,000 LF, Deduct</i>	-0.60	
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	98.24	3.74
			<i>For Up To 25 LF, Add</i>	12.32	
			<i>For >25 To 100 LF, Add</i>	6.16	
			<i>For >1,000 LF, Deduct</i>	-0.62	

07 71 13 00-0066 Removal And Reinstallation Of Metal Coping <small>(07 71 13)</small>					
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping	9.55	
			<i>For Up To 25 LF, Add</i>	4.78	
			<i>For >25 To 100 LF, Add</i>	2.39	
			<i>For >1,000 LF, Deduct</i>	-0.96	

07 71 19 Manufactured Gravel Stops and Fasciae (07 71)

07 71 19 00-0001			Gravel Stop <small>(07 71 19)</small>		
07 71 19 00-0002			Aluminum Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0003			Aluminum Gravel Stop <small>(07 71 19 00-0002)</small>		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop <small>(07 71 19 00-0004)</small>		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	40.72	2.26
			<i>For Up To 25 LF, Add</i>	6.73	
			<i>For >25 To 100 LF, Add</i>	3.36	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.18	2.65
			<i>For Up To 25 LF, Add</i>	7.35	
			<i>For >25 To 100 LF, Add</i>	3.68	
			<i>For >1,000 LF, Deduct</i>	-0.78	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	43.69	2.92
			<i>For Up To 25 LF, Add</i>	7.93	
			<i>For >25 To 100 LF, Add</i>	3.96	
			<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	43.23	2.26
			<i>For Up To 25 LF, Add</i>	6.98	
			<i>For >25 To 100 LF, Add</i>	3.49	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	44.80	2.65
			<i>For Up To 25 LF, Add</i>	7.61	
			<i>For >25 To 100 LF, Add</i>	3.81	
			<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.45	2.92
			<i>For Up To 25 LF, Add</i>	8.20	
			<i>For >25 To 100 LF, Add</i>	4.10	
			<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.50	2.26
			<i>For Up To 25 LF, Add</i>	7.31	
			<i>For >25 To 100 LF, Add</i>	3.65	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	47.93	2.65
			<i>For Up To 25 LF, Add</i>	7.93	
			<i>For >25 To 100 LF, Add</i>	3.96	
			<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	49.93	2.92
			<i>For Up To 25 LF, Add</i>	8.55	
			<i>For >25 To 100 LF, Add</i>	4.27	
			<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0017			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	48.72	2.26
			<i>For Up To 25 LF, Add</i>	7.53	
			<i>For >25 To 100 LF, Add</i>	3.76	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	50.23	2.65
			<i>For Up To 25 LF, Add</i>	8.16	
			<i>For >25 To 100 LF, Add</i>	4.08	
			<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	52.37	2.92
			<i>For Up To 25 LF, Add</i>	8.79	
			<i>For >25 To 100 LF, Add</i>	4.40	
			<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0021			Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022			0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	26.81	2.26
			<i>For Up To 25 LF, Add</i>	5.34	
			<i>For >25 To 100 LF, Add</i>	2.67	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	28.98	2.65
			<i>For Up To 25 LF, Add</i>	6.03	
			<i>For >25 To 100 LF, Add</i>	3.02	
			<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	31.15	2.92
			<i>For Up To 25 LF, Add</i>	6.67	
			<i>For >25 To 100 LF, Add</i>	3.34	
			<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0026			0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0027	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	28.90	2.26
			<i>For Up To 25 LF, Add</i>	5.55	
			<i>For >25 To 100 LF, Add</i>	2.77	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0028	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	30.79	2.65
			<i>For Up To 25 LF, Add</i>	6.21	
			<i>For >25 To 100 LF, Add</i>	3.11	
			<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0029	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	32.54	2.92
			<i>For Up To 25 LF, Add</i>	6.81	
			<i>For >25 To 100 LF, Add</i>	3.41	
			<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0030			0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	30.99 5.76 2.88 -0.66	2.26
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	32.87 6.42 3.21 -0.78	2.65
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	34.80 7.04 3.52 -0.89	2.92
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	33.25 5.98 2.99 -0.66	2.26
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	34.96 6.63 3.31 -0.78	2.65
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	36.48 7.20 3.60 -0.89	2.92
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	48.44 7.50 3.75 -0.66	2.26
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	50.24 8.16 4.08 -0.78	2.65
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	51.86 8.74 4.37 -0.89	2.92
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	51.45 7.80 3.90 -0.66	2.26
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	53.38 8.47 4.24 -0.78	2.65
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	55.15 9.07 4.54 -0.89	2.92
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	55.37 8.19 4.10 -0.66	2.26
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	57.14 8.85 4.42 -0.78	2.65
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	58.63 9.42 4.71 -0.89	2.92
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <i>For Up To 25 LF, Add</i> <i>For >25 To 100 LF, Add</i> <i>For >1,000 LF, Deduct</i>	58.04 8.46 4.23 -0.66	2.26

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0053	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.90	2.65
			<i>For Up To 25 LF, Add</i>	9.12	
			<i>For >25 To 100 LF, Add</i>	4.56	
			<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0054	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	61.50	2.92
			<i>For Up To 25 LF, Add</i>	9.71	
			<i>For >25 To 100 LF, Add</i>	4.85	
			<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0055			Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056			KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	45.90	2.39
			<i>For Up To 25 LF, Add</i>	7.51	
			<i>For >25 To 100 LF, Add</i>	3.76	
			<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0059	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	48.89	2.85
			<i>For Up To 25 LF, Add</i>	8.34	
			<i>For >25 To 100 LF, Add</i>	4.17	
			<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0060	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	52.28	3.25
			<i>For Up To 25 LF, Add</i>	9.16	
			<i>For >25 To 100 LF, Add</i>	4.58	
			<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0061			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	48.41	2.39
			<i>For Up To 25 LF, Add</i>	7.76	
			<i>For >25 To 100 LF, Add</i>	3.88	
			<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0063	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	51.50	2.85
			<i>For Up To 25 LF, Add</i>	8.60	
			<i>For >25 To 100 LF, Add</i>	4.30	
			<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0064	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	55.04	3.25
			<i>For Up To 25 LF, Add</i>	9.43	
			<i>For >25 To 100 LF, Add</i>	4.72	
			<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0065			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.68	2.39
			<i>For Up To 25 LF, Add</i>	8.09	
			<i>For >25 To 100 LF, Add</i>	4.04	
			<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0067	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	54.64	2.85
			<i>For Up To 25 LF, Add</i>	8.91	
			<i>For >25 To 100 LF, Add</i>	4.46	
			<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0068	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.51	3.25
			<i>For Up To 25 LF, Add</i>	9.78	
			<i>For >25 To 100 LF, Add</i>	4.89	
			<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0069			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	53.90	2.39
			<i>For Up To 25 LF, Add</i>	8.31	
			<i>For >25 To 100 LF, Add</i>	4.16	
			<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0071	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.94	2.85
			<i>For Up To 25 LF, Add</i>	9.14	
			<i>For >25 To 100 LF, Add</i>	4.57	
			<i>For >1,000 LF, Deduct</i>	-0.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	60.95	3.25
<i>For Up To 25 LF, Add</i>	10.02	
<i>For >25 To 100 LF, Add</i>	5.01	
<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	33.92	2.39
<i>For Up To 25 LF, Add</i>	6.31	
<i>For >25 To 100 LF, Add</i>	3.16	
<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	36.39	2.85
<i>For Up To 25 LF, Add</i>	7.09	
<i>For >25 To 100 LF, Add</i>	3.54	
<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	39.21	3.25
<i>For Up To 25 LF, Add</i>	7.85	
<i>For >25 To 100 LF, Add</i>	3.92	
<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	35.65	2.39
<i>For Up To 25 LF, Add</i>	6.49	
<i>For >25 To 100 LF, Add</i>	3.24	
<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	38.20	2.85
<i>For Up To 25 LF, Add</i>	7.27	
<i>For >25 To 100 LF, Add</i>	3.63	
<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	41.12	3.25
<i>For Up To 25 LF, Add</i>	8.04	
<i>For >25 To 100 LF, Add</i>	4.02	
<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	37.91	2.39
<i>For Up To 25 LF, Add</i>	6.71	
<i>For >25 To 100 LF, Add</i>	3.36	
<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	40.35	2.85
<i>For Up To 25 LF, Add</i>	7.48	
<i>For >25 To 100 LF, Add</i>	3.74	
<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	43.38	3.25
<i>For Up To 25 LF, Add</i>	8.27	
<i>For >25 To 100 LF, Add</i>	4.13	
<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	39.44	2.39
<i>For Up To 25 LF, Add</i>	6.86	
<i>For >25 To 100 LF, Add</i>	3.43	
<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	41.94	2.85
<i>For Up To 25 LF, Add</i>	7.64	
<i>For >25 To 100 LF, Add</i>	3.82	
<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	45.06	3.25
<i>For Up To 25 LF, Add</i>	8.43	
<i>For >25 To 100 LF, Add</i>	4.22	
<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	53.62	2.39
<i>For Up To 25 LF, Add</i>	8.28	
<i>For >25 To 100 LF, Add</i>	4.14	
<i>For >1,000 LF, Deduct</i>	-0.73	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.94	2.85
			<i>For Up To 25 LF, Add</i>	9.14	
			<i>For >25 To 100 LF, Add</i>	4.57	
			<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	60.44	3.25
			<i>For Up To 25 LF, Add</i>	9.97	
			<i>For >25 To 100 LF, Add</i>	4.99	
			<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0095			0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.63	2.39
			<i>For Up To 25 LF, Add</i>	8.58	
			<i>For >25 To 100 LF, Add</i>	4.29	
			<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	60.08	2.85
			<i>For Up To 25 LF, Add</i>	9.46	
			<i>For >25 To 100 LF, Add</i>	4.73	
			<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	63.73	3.25
			<i>For Up To 25 LF, Add</i>	10.30	
			<i>For >25 To 100 LF, Add</i>	5.15	
			<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0099			0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	60.56	2.39
			<i>For Up To 25 LF, Add</i>	8.98	
			<i>For >25 To 100 LF, Add</i>	4.49	
			<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	63.84	2.85
			<i>For Up To 25 LF, Add</i>	9.83	
			<i>For >25 To 100 LF, Add</i>	4.92	
			<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	67.21	3.25
			<i>For Up To 25 LF, Add</i>	10.65	
			<i>For >25 To 100 LF, Add</i>	5.32	
			<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0103			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	63.22	2.39
			<i>For Up To 25 LF, Add</i>	9.24	
			<i>For >25 To 100 LF, Add</i>	4.62	
			<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0105	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	66.60	2.85
			<i>For Up To 25 LF, Add</i>	10.11	
			<i>For >25 To 100 LF, Add</i>	5.05	
			<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0106	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	70.08	3.25
			<i>For Up To 25 LF, Add</i>	10.94	
			<i>For >25 To 100 LF, Add</i>	5.47	
			<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0107			Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108			Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109			26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	39.07	2.26
			<i>For Up To 25 LF, Add</i>	6.56	
			<i>For >25 To 100 LF, Add</i>	3.28	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0111	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	51.23	2.65
			<i>For Up To 25 LF, Add</i>	8.26	
			<i>For >25 To 100 LF, Add</i>	4.13	
			<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0112	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	75.71	2.92
			<i>For Up To 25 LF, Add</i>	11.13	
			<i>For >25 To 100 LF, Add</i>	5.56	
			<i>For >1,000 LF, Deduct</i>	-0.89	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	48.47	2.26
		<i>For Up To 25 LF, Add</i>	7.50	
		<i>For >25 To 100 LF, Add</i>	3.75	
		<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	63.77	2.65
		<i>For Up To 25 LF, Add</i>	9.51	
		<i>For >25 To 100 LF, Add</i>	4.75	
		<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	94.52	2.92
		<i>For Up To 25 LF, Add</i>	13.01	
		<i>For >25 To 100 LF, Add</i>	6.50	
		<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	58.47	2.26
		<i>For Up To 25 LF, Add</i>	8.50	
		<i>For >25 To 100 LF, Add</i>	4.25	
		<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	77.10	2.65
		<i>For Up To 25 LF, Add</i>	10.84	
		<i>For >25 To 100 LF, Add</i>	5.42	
		<i>For >1,000 LF, Deduct</i>	-0.78	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	114.51	2.92
		<i>For Up To 25 LF, Add</i>	15.01	
		<i>For >25 To 100 LF, Add</i>	7.50	
		<i>For >1,000 LF, Deduct</i>	-0.89	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0107)</small>		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	46.10	2.39
		<i>For Up To 25 LF, Add</i>	7.53	
		<i>For >25 To 100 LF, Add</i>	3.77	
		<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	60.35	2.85
		<i>For Up To 25 LF, Add</i>	9.48	
		<i>For >25 To 100 LF, Add</i>	4.74	
		<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	87.42	3.25
		<i>For Up To 25 LF, Add</i>	12.67	
		<i>For >25 To 100 LF, Add</i>	6.34	
		<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	55.50	2.39
		<i>For Up To 25 LF, Add</i>	8.47	
		<i>For >25 To 100 LF, Add</i>	4.24	
		<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	72.89	2.85
		<i>For Up To 25 LF, Add</i>	10.74	
		<i>For >25 To 100 LF, Add</i>	5.37	
		<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	106.23	3.25
		<i>For Up To 25 LF, Add</i>	14.55	
		<i>For >25 To 100 LF, Add</i>	7.28	
		<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	65.50	2.39
		<i>For Up To 25 LF, Add</i>	9.47	
		<i>For >25 To 100 LF, Add</i>	4.74	
		<i>For >1,000 LF, Deduct</i>	-0.73	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	86.22	2.85
		<i>For Up To 25 LF, Add</i>	12.07	
		<i>For >25 To 100 LF, Add</i>	6.04	
		<i>For >1,000 LF, Deduct</i>	-0.86	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	126.21	3.25
		<i>For Up To 25 LF, Add</i>	16.55	
		<i>For >25 To 100 LF, Add</i>	8.27	
		<i>For >1,000 LF, Deduct</i>	-0.98	
07 71 19 00-0134		Galvanized Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0135		Galvanized Steel Gravel Stop <small>(07 71 19 00-0134)</small>		



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)			
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)			
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	37.42		2.26
		For Up To 25 LF, Add	6.40		
		For >25 To 100 LF, Add	3.20		
		For >1,000 LF, Deduct	-0.66		
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	38.83		2.65
		For Up To 25 LF, Add	7.02		
		For >25 To 100 LF, Add	3.51		
		For >1,000 LF, Deduct	-0.78		
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	40.50		2.92
		For Up To 25 LF, Add	7.61		
		For >25 To 100 LF, Add	3.80		
		For >1,000 LF, Deduct	-0.89		
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)			
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With			
		Continuous Cleat (07 71 19 00-0141)			
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System			
		With Continuous Cleat (07 71 19 00-0142)			
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous			
		Cleat.....	42.75		2.39
		For Up To 25 LF, Add	7.20		
		For >25 To 100 LF, Add	3.60		
		For >1,000 LF, Deduct	-0.73		
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous			
		Cleat.....	45.72		2.85
		For Up To 25 LF, Add	8.02		
		For >25 To 100 LF, Add	4.01		
		For >1,000 LF, Deduct	-0.86		
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With			
		Continuous Cleat.....	49.33		3.25
		For Up To 25 LF, Add	8.86		
		For >25 To 100 LF, Add	4.43		
		For >1,000 LF, Deduct	-0.98		
07 71 19 00-0147		Copper Gravel Stop (07 71 19 00-0001)			
07 71 19 00-0148		Copper Gravel Stop (07 71 19 00-0147)			
07 71 19 00-0149		20 Ounce, Copper Gravel Stop (07 71 19 00-0148)			
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	62.14		2.26
		For Up To 25 LF, Add	8.87		
		For >25 To 100 LF, Add	4.44		
		For >1,000 LF, Deduct	-0.66		
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	71.17		2.65
		For Up To 25 LF, Add	10.25		
		For >25 To 100 LF, Add	5.12		
		For >1,000 LF, Deduct	-0.78		
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	82.21		2.92
		For Up To 25 LF, Add	11.78		
		For >25 To 100 LF, Add	5.89		
		For >1,000 LF, Deduct	-0.89		
07 71 19 00-0153		16 Ounce, Copper Gravel Stop (07 71 19 00-0148)			
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	75.31		2.26
		For Up To 25 LF, Add	10.19		
		For >25 To 100 LF, Add	5.09		
		For >1,000 LF, Deduct	-0.66		
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	87.26		2.65
		For Up To 25 LF, Add	11.86		
		For >25 To 100 LF, Add	5.93		
		For >1,000 LF, Deduct	-0.78		
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	99.76		2.92
		For Up To 25 LF, Add	13.53		
		For >25 To 100 LF, Add	6.77		
		For >1,000 LF, Deduct	-0.89		
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)			
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)			
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	64.70		2.39
		For Up To 25 LF, Add	9.39		
		For >25 To 100 LF, Add	4.70		
		For >1,000 LF, Deduct	-0.73		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0160 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	74.45	2.85
For Up To 25 LF, Add	10.89	
For >25 To 100 LF, Add	5.45	
For >1,000 LF, Deduct	-0.86	
07 71 19 00-0161 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	86.36	3.25
For Up To 25 LF, Add	12.56	
For >25 To 100 LF, Add	6.28	
For >1,000 LF, Deduct	-0.98	
07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0157)</small>		
07 71 19 00-0163 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	77.87	2.39
For Up To 25 LF, Add	10.71	
For >25 To 100 LF, Add	5.35	
For >1,000 LF, Deduct	-0.73	
07 71 19 00-0164 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	90.54	2.85
For Up To 25 LF, Add	12.50	
For >25 To 100 LF, Add	6.25	
For >1,000 LF, Deduct	-0.86	
07 71 19 00-0165 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	103.91	3.25
For Up To 25 LF, Add	14.32	
For >25 To 100 LF, Add	7.16	
For >1,000 LF, Deduct	-0.98	
07 71 19 00-0166 Fascia <small>(07 71 19)</small>		
07 71 19 00-0167 Snap-On Cover Fascia <small>(07 71 19 00-0166)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0168)</small>		
07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0169)</small>		
07 71 19 00-0171 LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	45.59	3.32
For Up To 25 LF, Add	7.22	
For >25 To 100 LF, Add	3.61	
For >1,000 LF, Deduct	-0.66	
07 71 19 00-0172 LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	51.23	3.45
For Up To 25 LF, Add	7.88	
For >25 To 100 LF, Add	3.94	
For >1,000 LF, Deduct	-0.69	
07 71 19 00-0173 LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	54.85	3.58
For Up To 25 LF, Add	8.35	
For >25 To 100 LF, Add	4.18	
For >1,000 LF, Deduct	-0.72	
07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0169)</small>		
07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0176 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	313.69	4.65
07 71 19 00-0177 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	334.98	4.65
07 71 19 00-0178 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	348.36	4.65
07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0180 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	255.70	4.65
07 71 19 00-0181 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	266.45	4.65
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	272.99	4.65
07 71 19 00-0183 Aluminum Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0186	LF		3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	28.20	3.32
			<i>For Up To 25 LF, Add</i>	5.48	
			<i>For >25 To 100 LF, Add</i>	2.74	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0187	LF		>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	31.86	3.45
			<i>For Up To 25 LF, Add</i>	5.95	
			<i>For >25 To 100 LF, Add</i>	2.97	
			<i>For >1,000 LF, Deduct</i>	-0.69	
07 71 19 00-0188	LF		>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	33.81	3.58
			<i>For Up To 25 LF, Add</i>	6.25	
			<i>For >25 To 100 LF, Add</i>	3.12	
			<i>For >1,000 LF, Deduct</i>	-0.72	
07 71 19 00-0189			0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat ^(07 71 19 00-0184)		
07 71 19 00-0190	LF		3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	29.61	3.32
			<i>For Up To 25 LF, Add</i>	5.62	
			<i>For >25 To 100 LF, Add</i>	2.81	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0191	LF		>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	33.68	3.45
			<i>For Up To 25 LF, Add</i>	6.13	
			<i>For >25 To 100 LF, Add</i>	3.06	
			<i>For >1,000 LF, Deduct</i>	-0.69	
07 71 19 00-0192	LF		>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	35.84	3.58
			<i>For Up To 25 LF, Add</i>	6.45	
			<i>For >25 To 100 LF, Add</i>	3.23	
			<i>For >1,000 LF, Deduct</i>	-0.72	
07 71 19 00-0193			Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems ^(07 71 19 00-0184)		
07 71 19 00-0194			Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems ^(07 71 19 00-0193)		
07 71 19 00-0195	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	180.88	4.65
07 71 19 00-0196	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	196.12	4.65
07 71 19 00-0197	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	202.79	4.65
07 71 19 00-0198			Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems ^(07 71 19 00-0193)		
07 71 19 00-0199	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	143.32	4.65
07 71 19 00-0200	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	150.91	4.65
07 71 19 00-0201	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	154.23	4.65
07 71 19 00-0202			Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat ^(07 71 19 00-0183)		
07 71 19 00-0203			0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat ^(07 71 19 00-0202)		
07 71 19 00-0204	LF		3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	32.51	3.32
			<i>For Up To 25 LF, Add</i>	5.91	
			<i>For >25 To 100 LF, Add</i>	2.95	
			<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0205	LF		>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	36.86	3.45
			<i>For Up To 25 LF, Add</i>	6.45	
			<i>For >25 To 100 LF, Add</i>	3.22	
			<i>For >1,000 LF, Deduct</i>	-0.69	
07 71 19 00-0206	LF		>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	39.13	3.58
			<i>For Up To 25 LF, Add</i>	6.78	
			<i>For >25 To 100 LF, Add</i>	3.39	
			<i>For >1,000 LF, Deduct</i>	-0.72	
07 71 19 00-0207			0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat ^(07 71 19 00-0202)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	34.21	3.32
<i>For Up To 25 LF, Add</i>	6.08	
<i>For >25 To 100 LF, Add</i>	3.04	
<i>For >1,000 LF, Deduct</i>	-0.66	
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	39.03	3.45
<i>For Up To 25 LF, Add</i>	6.66	
<i>For >25 To 100 LF, Add</i>	3.33	
<i>For >1,000 LF, Deduct</i>	-0.69	
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	41.57	3.58
<i>For Up To 25 LF, Add</i>	7.03	
<i>For >25 To 100 LF, Add</i>	3.51	
<i>For >1,000 LF, Deduct</i>	-0.72	
07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	223.78	4.65
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	242.83	4.65
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	251.16	4.65
07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	176.82	4.65
07 71 19 00-0218 EA Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	186.31	4.65
07 71 19 00-0219 EA Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	190.46	4.65
07 71 23 Manufactured Gutters and Downspouts (07 71)		
Note: Includes all necessary support straps.		
07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0004 LF 5", 0.027" Thick, K-Style Aluminum Gutter	11.97	5.08
<i>For Up To 100', Add</i>	2.46	
<i>For >100' To 250', Add</i>	1.02	
<i>For >1,000', Deduct</i>	-0.84	
<i>For Kynar 500® Finish, Add</i>	1.61	
07 71 23 00-0005 LF 6", 0.027" Thick, K-Style Aluminum Gutter	13.37	5.37
<i>For Up To 100', Add</i>	2.66	
<i>For >100' To 250', Add</i>	1.11	
<i>For >1,000', Deduct</i>	-0.88	
<i>For Kynar 500® Finish, Add</i>	2.06	
07 71 23 00-0006 LF 5", 0.032" Thick, K-Style Aluminum Gutter	12.49	5.08
<i>For Up To 100', Add</i>	2.51	
<i>For >100' To 250', Add</i>	1.04	
<i>For >1,000', Deduct</i>	-0.84	
<i>For Kynar 500® Finish, Add</i>	1.85	
07 71 23 00-0007 LF 6", 0.032" Thick, K-Style Aluminum Gutter	14.03	5.37
<i>For Up To 100', Add</i>	2.72	
<i>For >100' To 250', Add</i>	1.14	
<i>For >1,000', Deduct</i>	-0.88	
<i>For Kynar 500® Finish, Add</i>	2.35	
07 71 23 00-0008 LF 7", 0.032" Thick, K-Style Aluminum Gutter	26.39	5.64
<i>For Up To 100', Add</i>	4.06	
<i>For >100' To 250', Add</i>	1.79	
<i>For >1,000', Deduct</i>	-0.95	
<i>For Kynar 500® Finish, Add</i>	7.61	
07 71 23 00-0009 LF 8", 0.032" Thick, K-Style Aluminum Gutter	28.92	6.32
<i>For Up To 100', Add</i>	4.46	
<i>For >100' To 250', Add</i>	1.97	
<i>For >1,000', Deduct</i>	-1.05	
<i>For Kynar 500® Finish, Add</i>	8.31	
07 71 23 00-0010 LF 8", 0.040" Thick, K-Style Aluminum Gutter	32.49	6.32
<i>For Up To 100', Add</i>	4.82	
<i>For >100' To 250', Add</i>	2.15	
<i>For >1,000', Deduct</i>	-1.05	
<i>For Kynar 500® Finish, Add</i>	9.92	
07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0012	LF	5"	0.027" Thick, Half Round Aluminum Gutter	22.30	5.08
			<i>For Up To 100', Add</i>	3.49	
			<i>For >100' To 250', Add</i>	1.53	
			<i>For >1,000', Deduct</i>	-0.84	
			<i>For Kynar 500® Finish, Add</i>	6.26	
07 71 23 00-0013	LF	6"	0.032" Thick, Half Round Aluminum Gutter	26.91	5.37
			<i>For Up To 100', Add</i>	4.01	
			<i>For >100' To 250', Add</i>	1.79	
			<i>For >1,000', Deduct</i>	-0.88	
			<i>For Kynar 500® Finish, Add</i>	8.15	
07 71 23 00-0014			Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015	LF	6"	0.027" Thick, Box Style Aluminum Gutter	23.36	6.32
			<i>For Up To 100', Add</i>	3.90	
			<i>For >100' To 250', Add</i>	1.69	
			<i>For >1,000', Deduct</i>	-1.05	
			<i>For Kynar 500® Finish, Add</i>	5.81	
07 71 23 00-0016	LF	6"	0.032" Thick, Box Style Aluminum Gutter	23.42	6.32
			<i>For Up To 100', Add</i>	3.91	
			<i>For >100' To 250', Add</i>	1.69	
			<i>For >1,000', Deduct</i>	-1.05	
			<i>For Kynar 500® Finish, Add</i>	5.84	
07 71 23 00-0017	LF	7"	0.032" Thick, Box Style Aluminum Gutter	27.30	6.74
			<i>For Up To 100', Add</i>	4.40	
			<i>For >100' To 250', Add</i>	1.92	
			<i>For >1,000', Deduct</i>	-1.11	
			<i>For Kynar 500® Finish, Add</i>	7.27	
07 71 23 00-0018	LF	8"	0.032" Thick, Box Style Aluminum Gutter	30.85	7.15
			<i>For Up To 100', Add</i>	4.86	
			<i>For >100' To 250', Add</i>	2.13	
			<i>For >1,000', Deduct</i>	-1.18	
			<i>For Kynar 500® Finish, Add</i>	8.56	
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020			K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA	5"	K-Style Aluminum Gutter End Cap	3.99	
			<i>For Kynar 500® Finish, Add</i>	0.56	
07 71 23 00-0022	EA	6"	K-Style Aluminum Gutter End Cap	5.00	
			<i>For Kynar 500® Finish, Add</i>	1.01	
07 71 23 00-0023	EA	7"	K-Style Aluminum Gutter End Cap	11.16	
			<i>For Kynar 500® Finish, Add</i>	3.78	
07 71 23 00-0024	EA	8"	K-Style Aluminum Gutter End Cap	13.04	
			<i>For Kynar 500® Finish, Add</i>	4.63	
07 71 23 00-0025			Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA	5"	Half Round Aluminum Gutter End Cap	6.58	
			<i>For Kynar 500® Finish, Add</i>	1.72	
07 71 23 00-0027	EA	6"	Half Round Aluminum Gutter End Cap	10.31	
			<i>For Kynar 500® Finish, Add</i>	3.40	
07 71 23 00-0028			Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA	6"	Box Style Aluminum Gutter End Cap	12.19	
			<i>For Kynar 500® Finish, Add</i>	4.25	
07 71 23 00-0030	EA	7"	Box Style Aluminum Gutter End Cap	13.27	
			<i>For Kynar 500® Finish, Add</i>	4.73	
07 71 23 00-0031	EA	8"	Box Style Aluminum Gutter End Cap	15.62	
			<i>For Kynar 500® Finish, Add</i>	5.79	
07 71 23 00-0032			Aluminum Gutter Miters (07 71 23 00-0001)		
			Note: Inside or outside miters.		
07 71 23 00-0033			K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA	5"	K-Style Aluminum Gutter Miter	23.73	
			<i>For Kynar 500® Finish, Add</i>	4.43	
07 71 23 00-0035	EA	6"	K-Style Aluminum Gutter Miter	31.88	
			<i>For Kynar 500® Finish, Add</i>	7.66	
07 71 23 00-0036	EA	7"	K-Style Aluminum Gutter Miter	97.79	
			<i>For Kynar 500® Finish, Add</i>	36.89	
07 71 23 00-0037	EA	8"	K-Style Aluminum Gutter Miter	106.18	
			<i>For Kynar 500® Finish, Add</i>	40.17	
07 71 23 00-0038			Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039	EA	5"	Half Round Aluminum Gutter Miter	41.79	
			<i>For Kynar 500® Finish, Add</i>	12.56	
07 71 23 00-0040	EA	6"	Half Round Aluminum Gutter Miter	66.24	
			<i>For Kynar 500® Finish, Add</i>	23.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0041 Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042 EA 6", Box Style Aluminum Gutter Miter.....	79.09	
For Kynar 500® Finish, Add	28.91	
07 71 23 00-0043 EA 7", Box Style Aluminum Gutter Miter.....	118.30	
For Kynar 500® Finish, Add	46.12	
07 71 23 00-0044 EA 8", Box Style Aluminum Gutter Miter.....	128.49	
For Kynar 500® Finish, Add	50.21	
07 71 23 00-0045 Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer.....	16.43	3.44
For Kynar 500® Finish, Add	4.17	
For 0.024" Thick, Add	1.30	
For 0.027" Thick, Add	2.69	
For 0.031" Thick, Add	3.89	
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer.....	24.23	3.44
For Kynar 500® Finish, Add	7.68	
For 0.024" Thick, Add	2.39	
For 0.027" Thick, Add	4.95	
For 0.031" Thick, Add	7.17	
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001)		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	8.48	3.30
For Up To 100', Add	1.38	
For >100 To 250', Add	0.60	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	2.21	
For 0.024" Thick, Add	0.69	
For 0.027" Thick, Add	1.42	
For 0.031" Thick, Add	2.06	
07 71 23 00-0051 LF 4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	9.63	3.30
For Up To 100', Add	1.50	
For >100 To 250', Add	0.66	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	2.73	
For 0.024" Thick, Add	0.85	
For 0.027" Thick, Add	1.76	
For 0.031" Thick, Add	2.55	
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	6.09	3.30
For Up To 100', Add	1.14	
For >100 To 250', Add	0.48	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	1.13	
For 0.024" Thick, Add	0.35	
For 0.027" Thick, Add	0.73	
For 0.031" Thick, Add	1.06	
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	7.55	3.30
For Up To 100', Add	1.29	
For >100 To 250', Add	0.56	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	1.79	
For 0.024" Thick, Add	0.56	
For 0.027" Thick, Add	1.15	
For 0.031" Thick, Add	1.67	
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	13.71	3.30
For Up To 100', Add	1.91	
For >100 To 250', Add	0.86	
For >1,000', Deduct	-0.36	
For Kynar 500® Finish, Add	4.56	
For 0.024" Thick, Add	1.42	
For 0.027" Thick, Add	2.94	
For 0.031" Thick, Add	4.26	
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet.....	277.10	29.77
For Kynar 500® Finish, Add	80.05	
07 71 23 00-0058 EA Aluminum Leader/Conductor Head.....	279.68	33.07
For Kynar 500® Finish, Add	96.09	
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0061			K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062	LF	4"	16 Ounce, K-Style Copper Gutter	18.89	4.81
			<i>For Up To 100', Add</i>	3.09	
			<i>For >100' To 250', Add</i>	1.34	
			<i>For >1,000', Deduct</i>	-0.80	
07 71 23 00-0063	LF	5"	16 Ounce, K-Style Copper Gutter	26.11	5.08
			<i>For Up To 100', Add</i>	3.87	
			<i>For >100' To 250', Add</i>	1.73	
			<i>For >1,000', Deduct</i>	-0.84	
07 71 23 00-0064	LF	6"	16 Ounce, K-Style Copper Gutter	30.87	5.37
			<i>For Up To 100', Add</i>	4.41	
			<i>For >100' To 250', Add</i>	1.98	
			<i>For >1,000', Deduct</i>	-0.88	
07 71 23 00-0065	LF	5"	20 Ounce, K-Style Copper Gutter	32.48	5.08
			<i>For Up To 100', Add</i>	4.51	
			<i>For >100' To 250', Add</i>	2.04	
			<i>For >1,000', Deduct</i>	-0.84	
07 71 23 00-0066	LF	6"	20 Ounce, K-Style Copper Gutter	39.89	5.37
			<i>For Up To 100', Add</i>	5.31	
			<i>For >100' To 250', Add</i>	2.43	
			<i>For >1,000', Deduct</i>	-0.88	
07 71 23 00-0067	LF	7"	20 Ounce, K-Style Copper Gutter	46.50	5.64
			<i>For Up To 100', Add</i>	6.07	
			<i>For >100' To 250', Add</i>	2.80	
			<i>For >1,000', Deduct</i>	-0.95	
07 71 23 00-0068	LF	8"	20 Ounce, K-Style Copper Gutter	51.66	6.32
			<i>For Up To 100', Add</i>	6.73	
			<i>For >100' To 250', Add</i>	3.11	
			<i>For >1,000', Deduct</i>	-1.05	
07 71 23 00-0069			Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070	LF	5"	16 Ounce, Half Round Copper Gutter	22.79	5.08
			<i>For Up To 100', Add</i>	3.54	
			<i>For >100' To 250', Add</i>	1.56	
			<i>For >1,000', Deduct</i>	-0.84	
07 71 23 00-0071	LF	6"	16 Ounce, Half Round Copper Gutter	28.40	5.37
			<i>For Up To 100', Add</i>	4.16	
			<i>For >100' To 250', Add</i>	1.86	
			<i>For >1,000', Deduct</i>	-0.88	
07 71 23 00-0072	LF	7"	16 Ounce, Half Round Copper Gutter	46.39	5.64
			<i>For Up To 100', Add</i>	6.06	
			<i>For >100' To 250', Add</i>	2.79	
			<i>For >1,000', Deduct</i>	-0.95	
07 71 23 00-0073	LF	5"	20 Ounce, Half Round Copper Gutter	26.27	5.08
			<i>For Up To 100', Add</i>	3.89	
			<i>For >100' To 250', Add</i>	1.73	
			<i>For >1,000', Deduct</i>	-0.84	
07 71 23 00-0074	LF	6"	20 Ounce, Half Round Copper Gutter	32.09	5.37
			<i>For Up To 100', Add</i>	4.53	
			<i>For >100' To 250', Add</i>	2.04	
			<i>For >1,000', Deduct</i>	-0.88	
07 71 23 00-0075	LF	7"	20 Ounce, Half Round Copper Gutter	48.65	5.64
			<i>For Up To 100', Add</i>	6.29	
			<i>For >100' To 250', Add</i>	2.91	
			<i>For >1,000', Deduct</i>	-0.95	
07 71 23 00-0076	LF	8"	20 Ounce, Half Round Copper Gutter	55.19	6.32
			<i>For Up To 100', Add</i>	7.09	
			<i>For >100' To 250', Add</i>	3.28	
			<i>For >1,000', Deduct</i>	-1.05	
07 71 23 00-0077			Box Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0078	LF	5"	16 Ounce, Box Style Copper Gutter	26.53	5.78
			<i>For Up To 100', Add</i>	4.10	
			<i>For >100' To 250', Add</i>	1.81	
			<i>For >1,000', Deduct</i>	-0.96	
07 71 23 00-0079	LF	6"	16 Ounce, Box Style Copper Gutter	28.58	6.32
			<i>For Up To 100', Add</i>	4.43	
			<i>For >100' To 250', Add</i>	1.95	
			<i>For >1,000', Deduct</i>	-1.05	
07 71 23 00-0080	LF	7"	16 Ounce, Box Style Copper Gutter	34.32	6.74
			<i>For Up To 100', Add</i>	5.10	
			<i>For >100' To 250', Add</i>	2.27	
			<i>For >1,000', Deduct</i>	-1.11	
07 71 23 00-0081	LF	8"	16 Ounce, Box Style Copper Gutter	35.14	7.15
			<i>For Up To 100', Add</i>	5.29	
			<i>For >100' To 250', Add</i>	2.35	
			<i>For >1,000', Deduct</i>	-1.18	
07 71 23 00-0082	LF	5"	20 Ounce, Box Style Copper Gutter	29.93	5.78
			<i>For Up To 100', Add</i>	4.44	
			<i>For >100' To 250', Add</i>	1.98	
			<i>For >1,000', Deduct</i>	-0.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0083 LF 6", 20 Ounce, Box Style Copper Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	31.97 4.76 2.12 -1.05	6.32
07 71 23 00-0084 LF 7", 20 Ounce, Box Style Copper Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	37.72 5.44 2.44 -1.11	6.74
07 71 23 00-0085 LF 8", 20 Ounce, Box Style Copper Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	38.53 5.63 2.52 -1.18	7.15
07 71 23 00-0086 Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0087 K-Style, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0088 EA 4", K-Style Copper Gutter End Cap	6.51	
07 71 23 00-0089 EA 5", K-Style Copper Gutter End Cap	6.93	
07 71 23 00-0090 EA 6", K-Style Copper Gutter End Cap	7.34	
07 71 23 00-0091 EA 7", K-Style Copper Gutter End Cap	18.47	
07 71 23 00-0092 EA 8", K-Style Copper Gutter End Cap	22.37	
07 71 23 00-0093 Half Round, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0094 EA 4", Half Round Copper Gutter End Cap	7.74	
07 71 23 00-0095 EA 5", Half Round Copper Gutter End Cap	8.62	
07 71 23 00-0096 EA 6", Half Round Copper Gutter End Cap	12.70	
07 71 23 00-0097 EA 7", Half Round Copper Gutter End Cap	36.93	
07 71 23 00-0098 EA 8", Half Round Copper Gutter End Cap	43.50	
07 71 23 00-0099 Box Style, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0100 EA 5", Box Style Copper Gutter End Cap	14.30	
07 71 23 00-0101 EA 6", Box Style Copper Gutter End Cap	14.98	
07 71 23 00-0102 EA 7", Box Style Copper Gutter End Cap	15.65	
07 71 23 00-0103 EA 8", Box Style Copper Gutter End Cap	17.01	
07 71 23 00-0104 Copper Gutter Miters (07 71 23 00-0059) Note: Inside or outside miters.		
07 71 23 00-0105 K-Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0106 EA 4", K-Style Copper Gutter Miter	40.80	
07 71 23 00-0107 EA 5", K-Style Copper Gutter Miter	46.05	
07 71 23 00-0108 EA 6", K-Style Copper Gutter Miter	65.09	
07 71 23 00-0109 EA 7", K-Style Copper Gutter Miter	90.90	
07 71 23 00-0110 EA 8", K-Style Copper Gutter Miter	106.26	
07 71 23 00-0111 Half Round, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0112 EA 4", Half Round Copper Gutter Miter	62.04	
07 71 23 00-0113 EA 5", Half Round Copper Gutter Miter	57.82	
07 71 23 00-0114 EA 6", Half Round Copper Gutter Miter	82.12	
07 71 23 00-0115 EA 7", Half Round Copper Gutter Miter	97.51	
07 71 23 00-0116 EA 8", Half Round Copper Gutter Miter	114.82	
07 71 23 00-0117 Box Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0118 EA 5", 16 Ounce Box Style Copper Gutter Miter	68.16	
07 71 23 00-0119 EA 6", 16 Ounce Box Style Copper Gutter Miter	70.48	
07 71 23 00-0120 EA 7", 16 Ounce Box Style Copper Gutter Miter	76.88	
07 71 23 00-0121 EA 8", 16 Ounce Box Style Copper Gutter Miter	78.60	
07 71 23 00-0122 EA 5", 20 Ounce Box Style Copper Gutter Miter	74.95	
07 71 23 00-0123 EA 6", 20 Ounce Box Style Copper Gutter Miter	77.27	
07 71 23 00-0124 EA 7", 20 Ounce Box Style Copper Gutter Miter	83.67	
07 71 23 00-0125 EA 8", 20 Ounce Box Style Copper Gutter Miter	91.56	
07 71 23 00-0126 Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0127 EA 2" Diameter, Round Copper Wire Strainer	21.18	3.44
07 71 23 00-0128 EA 3" Diameter, Round Copper Wire Strainer	25.79	3.44
07 71 23 00-0129 EA 4" Diameter, Round Copper Wire Strainer	40.83	3.44
07 71 23 00-0130 EA 5" Diameter, Round Copper Wire Strainer	53.93	3.44
07 71 23 00-0131 EA 6" Diameter, Round Copper Wire Strainer	64.91	3.44
07 71 23 00-0132 Copper Downspouts (07 71 23 00-0059) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133 Round Copper Downspouts (07 71 23 00-0132)		

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0134	LF		2" Diameter, 16 Ounce, Round Copper Downspout	25.11	3.30
			<i>For Up To 100', Add</i>	3.05	
			<i>For >100 To 250', Add</i>	1.43	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0135	LF		3" Diameter, 16 Ounce, Round Copper Downspout	17.76	3.30
			<i>For Up To 100', Add</i>	2.31	
			<i>For >100 To 250', Add</i>	1.07	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0136	LF		4" Diameter, 16 Ounce, Round Copper Downspout	22.15	3.30
			<i>For Up To 100', Add</i>	2.75	
			<i>For >100 To 250', Add</i>	1.29	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0137	LF		5" Diameter, 16 Ounce, Round Copper Downspout	34.87	3.30
			<i>For Up To 100', Add</i>	4.02	
			<i>For >100 To 250', Add</i>	1.92	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0138	LF		6" Diameter, 16 Ounce, Round Copper Downspout	44.58	3.30
			<i>For Up To 100', Add</i>	4.99	
			<i>For >100 To 250', Add</i>	2.41	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0139	LF		3" Diameter, 20 Ounce, Round Copper Downspout	23.71	3.30
			<i>For Up To 100', Add</i>	2.91	
			<i>For >100 To 250', Add</i>	1.36	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0140	LF		4" Diameter, 20 Ounce, Round Copper Downspout	30.50	3.30
			<i>For Up To 100', Add</i>	3.59	
			<i>For >100 To 250', Add</i>	1.70	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0141	LF		5" Diameter, 20 Ounce, Round Copper Downspout	45.91	3.30
			<i>For Up To 100', Add</i>	5.13	
			<i>For >100 To 250', Add</i>	2.47	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0142			Square Copper Downspouts (07 71 23 00-0132)		
07 71 23 00-0143	LF		3" Diameter, 16 Ounce, Square Copper Downspout	12.57	3.30
			<i>For Up To 100', Add</i>	1.79	
			<i>For >100 To 250', Add</i>	0.81	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0144	LF		4" Diameter, 16 Ounce, Square Copper Downspout	15.49	3.30
			<i>For Up To 100', Add</i>	2.08	
			<i>For >100 To 250', Add</i>	0.95	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0145	LF		5" Diameter, 16 Ounce, Square Copper Downspout	21.79	3.30
			<i>For Up To 100', Add</i>	2.71	
			<i>For >100 To 250', Add</i>	1.27	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0146	LF		3" Diameter, 20 Ounce, Square Copper Downspout	14.37	3.30
			<i>For Up To 100', Add</i>	1.97	
			<i>For >100 To 250', Add</i>	0.90	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0147	LF		4" Diameter, 20 Ounce, Square Copper Downspout	18.02	3.30
			<i>For Up To 100', Add</i>	2.34	
			<i>For >100 To 250', Add</i>	1.08	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0148	LF		5" Diameter, 20 Ounce, Square Copper Downspout	25.50	3.30
			<i>For Up To 100', Add</i>	3.09	
			<i>For >100 To 250', Add</i>	1.45	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0149			Rectangular Copper Downspouts (07 71 23 00-0132)		
07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout	18.21	3.30
			<i>For Up To 100', Add</i>	2.36	
			<i>For >100 To 250', Add</i>	1.09	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout	22.80	3.30
			<i>For Up To 100', Add</i>	2.82	
			<i>For >100 To 250', Add</i>	1.32	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout	32.06	3.30
			<i>For Up To 100', Add</i>	3.74	
			<i>For >100 To 250', Add</i>	1.78	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout	21.06	3.30
			<i>For Up To 100', Add</i>	2.64	
			<i>For >100 To 250', Add</i>	1.23	
			<i>For >1,000', Deduct</i>	-0.36	
07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout	26.75	3.30
			<i>For Up To 100', Add</i>	3.21	
			<i>For >100 To 250', Add</i>	1.52	
			<i>For >1,000', Deduct</i>	-0.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0155 LF 4" x 5", 20 Ounce, Rectangular Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	38.02 4.34 2.08 -0.36	3.30
07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)		
07 71 23 00-0157 EA Thru-Wall Copper Scupper Outlet.....	221.81	29.77
07 71 23 00-0158 EA Copper Leader/Conductor Head.....	299.55	33.07
07 71 23 00-0159 EA Copper Eave Box.....	136.60	20.63
07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)		
07 71 23 00-0161 Galvanized Steel Gutters (07 71 23 00-0160) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162 K-Style Galvanized Steel Gutters (07 71 23 00-0161)		
07 71 23 00-0163 LF 5", 26 Gauge, K-Style Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	14.90 2.75 1.16 -0.84 2.93 1.82 3.58	5.08
07 71 23 00-0164 LF 6", 26 Gauge, K-Style Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	17.30 3.05 1.31 -0.88 3.83 2.38 4.68	5.37
07 71 23 00-0165 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	35.65 4.99 2.26 -0.95 11.77 7.32 14.39	5.64
07 71 23 00-0166 LF 8", 26 Gauge, K-Style Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	37.60 5.33 2.40 -1.05 12.22 7.60 14.93	6.32
07 71 23 00-0167 Half Round Galvanized Steel Gutters (07 71 23 00-0161)		
07 71 23 00-0168 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	21.63 3.42 1.50 -0.84 5.96 3.71 7.28	5.08
07 71 23 00-0169 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	27.21 4.04 1.80 -0.88 8.28 5.15 10.13	5.37
07 71 23 00-0170 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	68.14 8.24 3.88 -0.95 26.39 16.42 32.26	5.64
07 71 23 00-0171 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	72.70 8.84 4.16 -1.05 28.01 17.43 34.24	6.32
07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)		

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07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0173	LF	5"	24 Gauge, Box Style Galvanized Steel Gutter.....	25.86	5.78
			<i>For Up To 100', Add</i>	4.03	
			<i>For >100' To 250', Add</i>	1.77	
			<i>For >1,000', Deduct</i>	-0.96	
			<i>For Kynar 500® Finish, Add</i>	7.31	
			<i>For 22 Gauge, Add</i>	3.57	
07 71 23 00-0174	LF	6"	24 Gauge, Box Style Galvanized Steel Gutter.....	30.34	6.32
			<i>For Up To 100', Add</i>	4.60	
			<i>For >100' To 250', Add</i>	2.04	
			<i>For >1,000', Deduct</i>	-1.05	
			<i>For Kynar 500® Finish, Add</i>	8.95	
			<i>For 22 Gauge, Add</i>	4.38	
07 71 23 00-0175	LF	7"	24 Gauge, Box Style Galvanized Steel Gutter.....	38.24	5.64
			<i>For Up To 100', Add</i>	5.25	
			<i>For >100' To 250', Add</i>	2.39	
			<i>For >1,000', Deduct</i>	-0.95	
			<i>For Kynar 500® Finish, Add</i>	12.94	
			<i>For 22 Gauge, Add</i>	6.33	
07 71 23 00-0176	LF	8"	24 Gauge, Box Style Galvanized Steel Gutter.....	42.50	7.15
			<i>For Up To 100', Add</i>	6.02	
			<i>For >100' To 250', Add</i>	2.72	
			<i>For >1,000', Deduct</i>	-1.18	
			<i>For Kynar 500® Finish, Add</i>	13.81	
			<i>For 22 Gauge, Add</i>	6.75	
07 71 23 00-0177			Galvanized Steel Gutter End Caps (07 71 23 00-0160)		
07 71 23 00-0178			K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0179	EA	5"	K-Style Galvanized Steel Gutter End Cap.....	6.65	
			<i>For Kynar 500® Finish, Add</i>	1.76	
07 71 23 00-0180	EA	6"	K-Style Galvanized Steel Gutter End Cap.....	7.68	
			<i>For Kynar 500® Finish, Add</i>	2.22	
07 71 23 00-0181	EA	7"	K-Style Galvanized Steel Gutter End Cap.....	16.79	
			<i>For Kynar 500® Finish, Add</i>	6.32	
07 71 23 00-0182	EA	8"	K-Style Galvanized Steel Gutter End Cap.....	24.40	
			<i>For Kynar 500® Finish, Add</i>	9.74	
07 71 23 00-0183			Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0184	EA	5"	Half Round Galvanized Steel Gutter End Cap.....	8.58	
			<i>For Kynar 500® Finish, Add</i>	2.62	
07 71 23 00-0185	EA	6"	Half Round Galvanized Steel Gutter End Cap.....	9.89	
			<i>For Kynar 500® Finish, Add</i>	3.21	
07 71 23 00-0186	EA	7"	Half Round Galvanized Steel Gutter End Cap.....	18.53	
			<i>For Kynar 500® Finish, Add</i>	7.10	
07 71 23 00-0187	EA	8"	Half Round Galvanized Steel Gutter End Cap.....	25.09	
			<i>For Kynar 500® Finish, Add</i>	10.05	
07 71 23 00-0188			Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)		
07 71 23 00-0189	EA	5"	Box Style Galvanized Steel Gutter End Cap.....	15.48	
			<i>For Kynar 500® Finish, Add</i>	5.73	
07 71 23 00-0190	EA	6"	Box Style Galvanized Steel Gutter End Cap.....	18.66	
			<i>For Kynar 500® Finish, Add</i>	7.16	
07 71 23 00-0191	EA	7"	Box Style Galvanized Steel Gutter End Cap.....	20.92	
			<i>For Kynar 500® Finish, Add</i>	8.18	
07 71 23 00-0192	EA	8"	Box Style Galvanized Steel Gutter End Cap.....	28.06	
			<i>For Kynar 500® Finish, Add</i>	11.39	
07 71 23 00-0193			Galvanized Steel Gutter Miters (07 71 23 00-0160)		
			Note: Inside or outside miters.		
07 71 23 00-0194			K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0195	EA	5"	K-Style Galvanized Steel Gutter Miter.....	40.34	
			<i>For Kynar 500® Finish, Add</i>	11.90	
07 71 23 00-0196	EA	6"	K-Style Galvanized Steel Gutter Miter.....	65.45	
			<i>For Kynar 500® Finish, Add</i>	22.77	
07 71 23 00-0197	EA	7"	K-Style Galvanized Steel Gutter Miter.....	104.81	
			<i>For Kynar 500® Finish, Add</i>	40.05	
07 71 23 00-0198	EA	8"	K-Style Galvanized Steel Gutter Miter.....	117.82	
			<i>For Kynar 500® Finish, Add</i>	45.41	
07 71 23 00-0199			Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0193)		
07 71 23 00-0200	EA	5"	Half Round Galvanized Steel Gutter Miter.....	55.29	
			<i>For Kynar 500® Finish, Add</i>	18.63	
07 71 23 00-0201	EA	6"	Half Round Galvanized Steel Gutter Miter.....	62.14	
			<i>For Kynar 500® Finish, Add</i>	21.28	
07 71 23 00-0202	EA	7"	Half Round Galvanized Steel Gutter Miter.....	176.64	
			<i>For Kynar 500® Finish, Add</i>	72.37	
07 71 23 00-0203	EA	8"	Half Round Galvanized Steel Gutter Miter.....	186.67	
			<i>For Kynar 500® Finish, Add</i>	76.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters <small>(07 71 23 00-0193)</small>		
07 71 23 00-0205 EA 5", Box Style Galvanized Steel Gutter Miter	52.29	
<i>For Kynar 500® Finish, Add</i>	17.28	
07 71 23 00-0206 EA 6", Box Style Galvanized Steel Gutter Miter	85.24	
<i>For Kynar 500® Finish, Add</i>	31.68	
07 71 23 00-0207 EA 7", Box Style Galvanized Steel Gutter Miter	110.76	
<i>For Kynar 500® Finish, Add</i>	42.72	
07 71 23 00-0208 EA 8", Box Style Galvanized Steel Gutter Miter	117.82	
<i>For Kynar 500® Finish, Add</i>	45.41	
07 71 23 00-0209 Galvanized Steel Gutter Wire Strainers <small>(07 71 23 00-0160)</small>		
07 71 23 00-0210 EA 3" Diameter, Round Galvanized Steel Wire Strainer.....	14.54	3.44
<i>For Kynar 500® Finish, Add</i>	3.32	
07 71 23 00-0211 EA 4" Diameter, Round Galvanized Steel Wire Strainer.....	20.83	3.44
<i>For Kynar 500® Finish, Add</i>	6.15	
07 71 23 00-0212 Galvanized Steel Downspouts <small>(07 71 23 00-0160)</small>		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213 Round Galvanized Steel Downspouts <small>(07 71 23 00-0212)</small>		
07 71 23 00-0214 LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	8.33	3.30
<i>For Up To 100', Add</i>	1.37	
<i>For >100 To 250', Add</i>	0.60	
<i>For >1,000', Deduct</i>	-0.36	
<i>For Kynar 500® Finish, Add</i>	2.14	
<i>For 24 Gauge, Add</i>	1.33	
<i>For 22 Gauge, Add</i>	2.62	
07 71 23 00-0215 LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	10.36	3.30
<i>For Up To 100', Add</i>	1.57	
<i>For >100 To 250', Add</i>	0.70	
<i>For >1,000', Deduct</i>	-0.36	
<i>For Kynar 500® Finish, Add</i>	3.06	
<i>For 24 Gauge, Add</i>	1.90	
<i>For 22 Gauge, Add</i>	3.73	
07 71 23 00-0216 LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	14.12	3.30
<i>For Up To 100', Add</i>	1.95	
<i>For >100 To 250', Add</i>	0.88	
<i>For >1,000', Deduct</i>	-0.36	
<i>For Kynar 500® Finish, Add</i>	4.75	
<i>For 24 Gauge, Add</i>	2.95	
<i>For 22 Gauge, Add</i>	5.80	
07 71 23 00-0217 LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	31.50	3.30
<i>For Up To 100', Add</i>	3.69	
<i>For >100 To 250', Add</i>	1.75	
<i>For >1,000', Deduct</i>	-0.36	
<i>For Kynar 500® Finish, Add</i>	12.57	
<i>For 24 Gauge, Add</i>	7.82	
<i>For 22 Gauge, Add</i>	15.36	
07 71 23 00-0218 Square Galvanized Steel Downspouts <small>(07 71 23 00-0212)</small>		
07 71 23 00-0219 LF 4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.46	3.30
<i>For Up To 100', Add</i>	1.48	
<i>For >100 To 250', Add</i>	0.65	
<i>For >1,000', Deduct</i>	-0.36	
<i>For Kynar 500® Finish, Add</i>	2.65	
<i>For 24 Gauge, Add</i>	1.65	
<i>For 22 Gauge, Add</i>	3.24	
07 71 23 00-0220 LF 5" x 5", 26 Gauge, Square Galvanized Steel Downspout	12.14	3.30
<i>For Up To 100', Add</i>	1.75	
<i>For >100 To 250', Add</i>	0.79	
<i>For >1,000', Deduct</i>	-0.36	
<i>For Kynar 500® Finish, Add</i>	3.86	
<i>For 24 Gauge, Add</i>	2.40	
<i>For 22 Gauge, Add</i>	4.71	
07 71 23 00-0221 Rectangular Galvanized Steel Downspouts <small>(07 71 23 00-0212)</small>		
07 71 23 00-0222 LF 2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.48	3.30
<i>For Up To 100', Add</i>	1.38	
<i>For >100 To 250', Add</i>	0.60	
<i>For >1,000', Deduct</i>	-0.36	
<i>For Kynar 500® Finish, Add</i>	2.21	
<i>For 24 Gauge, Add</i>	1.37	
<i>For 22 Gauge, Add</i>	2.70	

07	Thermal And Moisture Protection
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0223	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.83	3.30
			<i>For Up To 100', Add</i>	1.62	
			<i>For >100 To 250', Add</i>	0.72	
			<i>For >1,000', Deduct</i>	-0.36	
			<i>For Kynar 500® Finish, Add</i>	3.27	
			<i>For 24 Gauge, Add</i>	2.03	
			<i>For 22 Gauge, Add</i>	3.99	
07 71 23 00-0224	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	20.17	3.30
			<i>For Up To 100', Add</i>	2.55	
			<i>For >100 To 250', Add</i>	1.19	
			<i>For >1,000', Deduct</i>	-0.36	
			<i>For Kynar 500® Finish, Add</i>	7.47	
			<i>For 24 Gauge, Add</i>	4.65	
			<i>For 22 Gauge, Add</i>	9.13	
07 71 23 00-0225			Galvanized Steel Devices (07 71 23 00-0160)		
07 71 23 00-0226	EA		Galvanized Steel Leader/Conductor Head.....	369.98	33.07
			<i>For Kynar 500® Finish, Add</i>	136.72	
07 71 23 00-0227	EA		Thru-Wall Galvanized Steel Scupper Outlet	205.69	29.77
			<i>For Kynar 500® Finish, Add</i>	47.92	
07 71 23 00-0228			Stainless Steel Gutters And Downspouts (07 71 23)		
			Note: AISI type 304 stainless steel.		
07 71 23 00-0229			Stainless Steel Gutters (07 71 23 00-0228)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0230			K-Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0231	LF		5", 26 Gauge, K-Style Stainless Steel Gutter.....	29.59	5.08
			<i>For Up To 100', Add</i>	4.22	
			<i>For >100' To 250', Add</i>	1.90	
			<i>For >1,000', Deduct</i>	-0.84	
			<i>For 316 Stainless Steel, Add</i>	8.06	
			<i>For 24 Gauge, Add</i>	7.00	
			<i>For 22 Gauge, Add</i>	13.99	
			<i>For 20 Gauge, Add</i>	20.99	
07 71 23 00-0232	LF		6", 26 Gauge, K-Style Stainless Steel Gutter.....	35.31	5.37
			<i>For Up To 100', Add</i>	4.85	
			<i>For >100' To 250', Add</i>	2.21	
			<i>For >1,000', Deduct</i>	-0.88	
			<i>For 316 Stainless Steel, Add</i>	10.07	
			<i>For 24 Gauge, Add</i>	8.75	
			<i>For 22 Gauge, Add</i>	17.50	
			<i>For 20 Gauge, Add</i>	26.24	
07 71 23 00-0233			Half Round, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0234	LF		5", 26 Gauge, Half Round Stainless Steel Gutter	40.49	5.08
			<i>For Up To 100', Add</i>	5.31	
			<i>For >100' To 250', Add</i>	2.44	
			<i>For >1,000', Deduct</i>	-0.84	
			<i>For 316 Stainless Steel, Add</i>	12.20	
			<i>For 24 Gauge, Add</i>	10.59	
			<i>For 22 Gauge, Add</i>	21.19	
			<i>For 20 Gauge, Add</i>	31.78	
07 71 23 00-0235	LF		6", 26 Gauge, Half Round Stainless Steel Gutter	48.86	5.37
			<i>For Up To 100', Add</i>	6.21	
			<i>For >100' To 250', Add</i>	2.88	
			<i>For >1,000', Deduct</i>	-0.88	
			<i>For 316 Stainless Steel, Add</i>	15.22	
			<i>For 24 Gauge, Add</i>	13.22	
			<i>For 22 Gauge, Add</i>	26.44	
			<i>For 20 Gauge, Add</i>	39.66	
07 71 23 00-0236			Box Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0237	LF		5", 26 Gauge, Box Style Stainless Steel Gutter	39.85	5.78
			<i>For Up To 100', Add</i>	5.43	
			<i>For >100' To 250', Add</i>	2.47	
			<i>For >1,000', Deduct</i>	-0.96	
			<i>For 316 Stainless Steel, Add</i>	11.49	
			<i>For 24 Gauge, Add</i>	9.98	
			<i>For 22 Gauge, Add</i>	19.95	
			<i>For 20 Gauge, Add</i>	29.93	
			<i>For 18 Gauge, Add</i>	50.18	
			<i>For Seamless Gutter, Add</i>	-0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0238 LF 6", 26 Gauge, Box Style Stainless Steel Gutter	48.43	6.32
For Up To 100', Add	6.41	
For >100' To 250', Add	2.94	
For >1,000', Deduct	-1.05	
For 316 Stainless Steel, Add	14.43	
For 24 Gauge, Add	12.53	
For 22 Gauge, Add	25.07	
For 20 Gauge, Add	37.60	
For 18 Gauge, Add	63.05	
For Seamless Gutter, Add	-0.33	
07 71 23 00-0239 LF 7", 26 Gauge, Box Style Stainless Steel Gutter	57.03	6.74
For Up To 100', Add	7.37	
For >100' To 250', Add	3.41	
For >1,000', Deduct	-1.11	
For 316 Stainless Steel, Add	17.44	
For 24 Gauge, Add	15.14	
For 22 Gauge, Add	30.29	
For 20 Gauge, Add	45.43	
For 18 Gauge, Add	76.18	
For Seamless Gutter, Add	-0.62	
07 71 23 00-0240 LF 8", 26 Gauge, Box Style Stainless Steel Gutter	61.96	7.15
For Up To 100', Add	7.97	
For >100' To 250', Add	3.69	
For >1,000', Deduct	-1.18	
For 316 Stainless Steel, Add	19.05	
For 24 Gauge, Add	16.55	
For 22 Gauge, Add	33.09	
For 20 Gauge, Add	49.64	
For 18 Gauge, Add	83.23	
For Seamless Gutter, Add	-0.73	
07 71 23 00-0241 Stainless Steel Gutter End Caps (07 71 23 00-0228)		
07 71 23 00-0242 K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0243 EA 5", K-Style Stainless Steel Gutter End Cap	9.38	
For 316 Stainless Steel, Add	2.52	
07 71 23 00-0244 EA 6", K-Style Stainless Steel Gutter End Cap	10.71	
For 316 Stainless Steel, Add	3.02	
07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0246 EA 5", Half Round Stainless Steel Gutter End Cap	11.04	
For 316 Stainless Steel, Add	3.15	
07 71 23 00-0247 EA 6", Half Round Stainless Steel Gutter End Cap	12.70	
For 316 Stainless Steel, Add	3.78	
07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)		
07 71 23 00-0249 EA 5", Box Style Stainless Steel Gutter End Cap	11.73	
For 316 Stainless Steel, Add	3.15	
07 71 23 00-0250 EA 6", Box Style Stainless Steel Gutter End Cap	13.39	
For 316 Stainless Steel, Add	3.78	
07 71 23 00-0251 EA 7", Box Style Stainless Steel Gutter End Cap	13.95	
For 316 Stainless Steel, Add	4.08	
07 71 23 00-0252 EA 8", Box Style Stainless Steel Gutter End Cap	16.89	
For 316 Stainless Steel, Add	5.03	
07 71 23 00-0253 Stainless Steel Gutter Miters (07 71 23 00-0228)		
Note: Inside or outside box miters.		
07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0255 EA 5", K-Style Stainless Steel Gutter Miter	48.15	
For 316 Stainless Steel, Add	13.02	
07 71 23 00-0256 EA 6", K-Style Stainless Steel Gutter Miter	75.64	
For 316 Stainless Steel, Add	23.10	
07 71 23 00-0257 Half Round, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0258 EA 5", Half Round Stainless Steel Gutter Miter	114.47	
For 316 Stainless Steel, Add	38.22	
07 71 23 00-0259 EA 6", Half Round Stainless Steel Gutter Miter	139.70	
For 316 Stainless Steel, Add	47.44	
07 71 23 00-0260 Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0261 EA 5", Box-Style Stainless Steel Gutter Miter	55.00	
For 316 Stainless Steel, Add	15.62	
07 71 23 00-0262 EA 6", Box-Style Stainless Steel Gutter Miter	87.80	
For 316 Stainless Steel, Add	27.72	
07 71 23 00-0263 EA 7", Box-Style Stainless Steel Gutter Miter	100.92	
For 316 Stainless Steel, Add	32.34	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0264	EA		8" Box-Style Stainless Steel Gutter Miter..... <i>For 316 Stainless Steel, Add</i>	114.18 36.96	
07 71 23 00-0265			Stainless Steel Gutter Wire Strainers (07 71 23 00-0228)		
07 71 23 00-0266	EA		3" Diameter, Round Stainless Steel Wire Strainer.....	46.86	3.44
07 71 23 00-0267	EA		4" Diameter, Round Stainless Steel Wire Strainer.....	47.95	3.44
07 71 23 00-0268			Stainless Steel Downspouts (07 71 23 00-0228) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269			Round Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0270	LF		3" Diameter, 26 Gauge, Round Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	17.27 2.26 1.04 -0.36 5.21 4.52 9.04 13.56	3.30
07 71 23 00-0271	LF		4" Diameter, 26 Gauge, Round Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	22.58 2.79 1.31 -0.36 7.22 6.27 12.55 18.82	3.30
07 71 23 00-0272	LF		5" Diameter, 26 Gauge, Round Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	32.61 3.80 1.81 -0.36 11.04 9.58 19.17 28.75	3.30
07 71 23 00-0273			Rectangular Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0274	LF		2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i>	17.66 2.30 1.06 -0.36 5.35 4.65 9.30 13.95 23.39	3.30
07 71 23 00-0275	LF		3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i>	23.38 2.87 1.35 -0.36 7.53 6.54 13.07 19.61 32.88	3.30
07 71 23 00-0276	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i> <i>For 18 Gauge, Add</i>	30.06 3.54 1.68 -0.36 10.07 8.74 17.48 26.23 43.97	3.30
07 71 23 00-0277			Stainless Steel Devices (07 71 23 00-0228)		
07 71 23 00-0278	EA		Thru-Wall Stainless Steel Scupper Outlet..... <i>For 316 Stainless Steel, Add</i>	283.15 68.41	30.94
07 71 23 00-0279	EA		Stainless Steel Leader/Conductor Head..... <i>For 316 Stainless Steel, Add</i>	494.11 161.64	30.94
07 71 23 00-0280			Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0281			Vinyl Gutters (07 71 23 00-0280) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282			K-Style Vinyl Gutters (07 71 23 00-0281)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0283 LF 4", K-Style Vinyl Gutter..... <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	12.40 2.10 0.91 -0.57	3.44
07 71 23 00-0284 LF 5", K-Style Vinyl Gutter..... <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	15.83 2.44 1.08 -0.57	3.44
07 71 23 00-0285 Half Round Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0286 LF 4", Half Round Vinyl Gutter..... <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	12.79 2.14 0.93 -0.57	3.44
07 71 23 00-0287 LF 5", Half Round Vinyl Gutter..... <i>For Up To 100', Add</i> <i>For >100' To 250', Add</i> <i>For >1,000', Deduct</i>	13.42 2.20 0.96 -0.57	3.44
07 71 23 00-0288 Vinyl Gutter End Caps (07 71 23 00-0280)		
07 71 23 00-0289 K-Style, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0290 EA 4", K-Style Vinyl Gutter End Cap.....	7.59	
07 71 23 00-0291 EA 5", K-Style Vinyl Gutter End Cap.....	10.44	
07 71 23 00-0292 Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0293 EA 4", Half Round Vinyl Gutter End Cap.....	8.64	
07 71 23 00-0294 EA 5", Half Round Vinyl Gutter End Cap.....	8.17	
07 71 23 00-0295 Vinyl Gutter Miters (07 71 23 00-0280) Note: Inside or outside miters.		
07 71 23 00-0296 K-Style, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0297 EA 4", K-Style Vinyl Gutter Miter.....	18.71	
07 71 23 00-0298 EA 5", K-Style Vinyl Gutter Miter.....	27.91	
07 71 23 00-0299 Half Round, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0300 EA 4", Half Round Vinyl Gutter Miter.....	18.71	
07 71 23 00-0301 EA 5", Half Round Vinyl Gutter Miter.....	20.30	
07 71 23 00-0302 Vinyl Downspouts (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303 Round Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0304 LF 2-1/2" Diameter, Round Vinyl Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	8.12 1.35 0.58 -0.36	3.30
07 71 23 00-0305 LF 3" Diameter, Round Vinyl Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	8.46 1.38 0.60 -0.36	3.30
07 71 23 00-0306 Square Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0307 LF 2-1/2", Square Vinyl Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	7.98 1.33 0.58 -0.36	3.30
07 71 23 00-0308 Rectangular Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0309 LF 2" x 3", Rectangular Vinyl Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	10.13 1.55 0.69 -0.36	3.30
07 71 23 00-0310 Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0311 Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0310)		
07 71 23 00-0312 EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	338.37	4.95
07 71 23 00-0313 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	441.13	4.95
07 71 23 00-0314 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	526.58	4.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0315			Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0310)		
07 71 23 00-0316	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	584.79	4.95
07 71 23 00-0317	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	714.47	4.95
07 71 23 00-0318	EA		5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,296.85	4.95
07 71 23 00-0319			Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		
07 71 23 00-0320	EA		3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	1,168.63	30.75
			For Polished Brass Finish (-PB), Add	110.71	
			For Chrome Plated Finish (-CP), Add	166.07	
			For Vandal Proof (-U), Add	55.36	
07 71 23 00-0321	EA		4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	1,189.13	41.00
			For Polished Brass Finish (-PB), Add	110.71	
			For Chrome Plated Finish (-CP), Add	166.07	
			For Vandal Proof (-U), Add	55.36	
07 71 23 00-0322	EA		6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,275.50	53.09
			For Polished Brass Finish (-PB), Add	116.93	
			For Chrome Plated Finish (-CP), Add	175.40	
			For Vandal Proof (-U), Add	58.47	
07 71 23 00-0323	EA		8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,359.65	67.04
			For Polished Brass Finish (-PB), Add	122.56	
			For Chrome Plated Finish (-CP), Add	183.83	
			For Vandal Proof (-U), Add	61.28	
07 71 23 00-0324	EA		10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,462.03	82.59
			For Polished Brass Finish (-PB), Add	129.68	
			For Chrome Plated Finish (-CP), Add	194.53	
			For Vandal Proof (-U), Add	64.84	
07 71 23 00-0325	EA		12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,606.23	115.32
			For Polished Brass Finish (-PB), Add	137.56	
			For Chrome Plated Finish (-CP), Add	206.34	
			For Vandal Proof (-U), Add	68.78	
07 71 23 00-0326	EA		15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,774.04	160.36
			For Polished Brass Finish (-PB), Add	145.33	
			For Chrome Plated Finish (-CP), Add	218.00	
			For Vandal Proof (-U), Add	72.67	
07 71 23 00-0327			Wall Mounted Downspout Nozzle (07 71 23)		
07 71 23 00-0328	EA		3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	300.50	30.75
			For Nickel Bronze Finish (-NB), Add	167.30	
			For Polished Bronze Finish (-PB), Add	131.45	
			For Chrome Plated Finish (-CP), Add	212.71	
07 71 23 00-0329	EA		4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	321.00	41.00
			For Nickel Bronze Finish (-NB), Add	167.30	
			For Polished Bronze Finish (-PB), Add	131.45	
			For Chrome Plated Finish (-CP), Add	212.71	
07 71 23 00-0330	EA		6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	673.16	53.09
			For Nickel Bronze Finish (-NB), Add	170.09	
			For Polished Bronze Finish (-PB), Add	96.38	
			For Chrome Plated Finish (-CP), Add	249.46	
07 71 23 00-0331	EA		8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	994.72	67.04
			For Nickel Bronze Finish (-NB), Add	146.31	
			For Polished Bronze Finish (-PB), Add	111.88	
			For Chrome Plated Finish (-CP), Add	249.58	
07 71 23 00-0332	EA		10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,282.51	82.59
			For Nickel Bronze Finish (-NB), Add	189.94	
			For Polished Bronze Finish (-PB), Add	145.25	
			For Chrome Plated Finish (-CP), Add	324.02	
07 71 23 00-0333	EA		12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,636.24	115.32
			For Nickel Bronze Finish (-NB), Add	238.96	
			For Polished Bronze Finish (-PB), Add	182.73	
			For Chrome Plated Finish (-CP), Add	407.63	
07 71 23 00-0334			Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0335	LF		Aluminum Mesh Gutter Leaf Guard	4.19	1.02
			For Up To 100', Add	0.72	
			For >100' To 250', Add	0.31	
			For >1,000', Deduct	-0.20	
07 71 23 00-0336	LF		Vinyl Mesh Gutter Leaf Guard	3.23	1.02
			For Up To 100', Add	0.63	
			For >100' To 250', Add	0.26	
			For >1,000', Deduct	-0.20	
07 71 23 00-0337	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.06	1.27
			For Up To 100', Add	2.09	
			For >100' To 250', Add	0.98	
			For >1,000', Deduct	-0.26	
07 71 23 00-0338	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.33	1.27
			For Up To 100', Add	2.82	
			For >100' To 250', Add	1.35	
			For >1,000', Deduct	-0.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0339 LF 6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	12.99	1.27
For Up To 100', Add	1.60	
For >100' To 250', Add	0.75	
For >1,000', Deduct	-0.20	
07 71 23 00-0340 LF 9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	19.96	1.27
For Up To 100', Add	2.30	
For >100' To 250', Add	1.10	
For >1,000', Deduct	-0.20	
07 71 23 00-0341 EA Cleanout Roof Drain.....	179.97	
Note: Includes removing dome and flushing.		
07 71 23 00-0342 LF Cleanout Roof Gutters And Downspouts.....	2.11	
 07 71 26 Reglets (07 71)		
07 71 26 00-0001 Counter Flashing With Reglet (07 71 26)		
Note: Includes reglet cut.		
07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004 LF 28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	17.28	5.91
07 71 26 00-0005 LF 26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	17.43	5.91
07 71 26 00-0006 LF 24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	17.69	5.91
07 71 26 00-0007 LF 22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	18.68	5.91
07 71 26 00-0008 LF 20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	19.24	5.91
07 71 26 00-0009 LF 18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	19.89	5.91
07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011 LF 28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.73	5.91
07 71 26 00-0012 LF 26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.95	5.91
07 71 26 00-0013 LF 24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.33	5.91
07 71 26 00-0014 LF 22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	21.77	5.91
07 71 26 00-0015 LF 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	22.59	5.91
07 71 26 00-0016 LF 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	23.53	5.91
07 71 26 00-0017 Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019 LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.71	5.91
07 71 26 00-0020 LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.48	5.91
07 71 26 00-0021 LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.26	5.91
07 71 26 00-0022 LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.81	5.91
07 71 26 00-0023 LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	20.06	5.91
07 71 26 00-0024 LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	21.87	5.91
07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026 LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.94	5.91
07 71 26 00-0027 LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	15.43	5.91
07 71 26 00-0028 LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	15.93	5.91
07 71 26 00-0029 LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	16.28	5.91
07 71 26 00-0030 LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	17.08	5.91
07 71 26 00-0031 LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	18.23	5.91
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	16.35	5.91
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	17.06	5.91
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	17.78	5.91
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	18.30	5.91
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	19.45	5.91
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	21.12	5.91
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	21.56	5.91
07 71 26 00-0042 LF 22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	22.86	5.91
07 71 26 00-0043 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	23.29	5.91
07 71 26 00-0044 Copper Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0045 Copper Counter Flashing With Reglet (07 71 26 00-0044)		
07 71 26 00-0046 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	54.82	5.91



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 Roof Accessories ^(07 70)

07 72 13 Manufactured Curbs ^(07 72)

07 72 13 00-0001	Insulated Galvanized Steel, Prefabricated Roof Curbs ^(07 72 13)		
	Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002	Insulated Galvanized Steel, Prefabricated Roof Curbs ^(07 72 13 00-0001)		
	Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003	18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs ^(07 72 13 00-0002)		
07 72 13 00-0004	9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs ^(07 72 13 00-0003)		
07 72 13 00-0005	EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,042.81	270.88
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.42	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	174.70	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-33.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.38	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.02	
07 72 13 00-0006	EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,058.37	270.88
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.98	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	177.81	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-41.40	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	18.76	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.24	
07 72 13 00-0007	EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,150.79	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.99	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	192.07	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-50.60	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.60	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	39.64	
07 72 13 00-0008	EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,210.42	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.95	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	203.99	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-67.45	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.21	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.25	
07 72 13 00-0009	EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,254.50	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.36	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	212.81	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.66	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.94	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.83	
07 72 13 00-0010	EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,515.48	338.60
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	109.22	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	260.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-111.92	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-15.25	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	25.57	
07 72 13 00-0011	EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,063.55	270.88
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.49	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	178.85	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.28	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.22	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.89	
07 72 13 00-0012	EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,153.38	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.25	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	192.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-64.40	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	25.84	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	62.36	
07 72 13 00-0013	EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,187.09	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.62	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	199.33	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-79.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.80	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.88	
07 72 13 00-0014	EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,200.05	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.91	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	201.92	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.98	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	123.11	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.04	
07 72 13 00-0015	EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,473.99	338.60
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	105.07	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	252.47	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.78	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.65	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,613.09 114.75 276.06 31.58 162.64 214.21	372.46
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,272.65 89.17 216.44 -82.80 11.73 35.37	304.74
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,391.02 96.78 235.88 -99.65 -11.56 31.39	338.60
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,419.54 99.63 241.58 -118.05 -42.87 30.18	338.60
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,558.64 109.31 265.17 -138.00 -41.30 27.43	372.46
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,674.40 116.65 284.09 33.19 153.51 207.22	406.32
07 72 13 00-0022 EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,810.91 126.07 307.16 -190.12 -54.78 18.27	440.18
07 72 13 00-0023 EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,419.54 99.63 241.58 26.43 97.33 178.97	338.60
07 72 13 00-0024 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,530.12 106.45 259.47 -144.12 -38.84 27.74	372.46
07 72 13 00-0025 EA 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,671.80 116.39 283.57 -187.05 -81.79 -19.47	406.32
07 72 13 00-0026 EA 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,697.73 118.98 288.76 39.32 144.59 252.02	406.32
07 72 13 00-0027 EA 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,839.44 128.92 312.87 -236.12 -128.71 8.79	440.18
07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0029 EA 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,076.52 73.79 181.44 -33.73 11.38 35.02	270.88

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0030	EA		26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,084.30 74.57 183.00 -41.40 18.76 40.24	270.88
07 72 13 00-0031	EA		26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,176.71 79.58 197.25 -50.60 24.60 39.64	304.74
07 72 13 00-0032	EA		26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,244.13 86.32 210.73 -67.45 29.21 44.25	304.74
07 72 13 00-0033	EA		26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,293.39 91.25 220.59 19.66 124.94 137.83	304.74
07 72 13 00-0034	EA		26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,546.59 112.33 266.99 -111.92 -15.25 25.57	338.60
07 72 13 00-0035	EA		38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,086.89 74.83 183.52 11.28 97.22 135.89	270.88
07 72 13 00-0036	EA		38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,223.39 84.25 206.59 -64.40 25.84 62.36	304.74
07 72 13 00-0037	EA		38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,275.24 89.43 216.96 -79.73 14.80 44.88	304.74
07 72 13 00-0038	EA		38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,334.88 95.40 228.88 19.98 123.11 151.04	304.74
07 72 13 00-0039	EA		38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,515.48 109.22 260.77 25.78 139.65 182.62	338.60
07 72 13 00-0040	EA		38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,664.95 119.94 286.43 31.58 162.64 214.21	372.46
07 72 13 00-0041	EA		50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,303.77 92.28 222.66 -82.80 11.73 35.37	304.74
07 72 13 00-0042	EA		50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,416.95 99.37 241.06 -99.65 -11.56 31.39	338.60
07 72 13 00-0043	EA		50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,458.43 103.52 249.36 -118.05 -42.87 30.18	338.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,600.13	372.46
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.46	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	273.47	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-138.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-41.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.43	
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,723.66	406.32
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.58	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	293.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.19	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	153.51	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	207.22	
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,867.96	440.18
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	131.77	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	318.57	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-190.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-54.78	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	18.27	
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,458.43	338.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.52	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	249.36	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.33	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	178.97	
07 72 13 00-0048 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,571.61	372.46
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	110.60	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	267.76	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-144.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-38.84	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.74	
07 72 13 00-0049 EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,715.88	406.32
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	120.80	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	292.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-187.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-81.79	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-19.47	
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,749.59	406.32
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.17	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	299.13	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	144.59	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	252.02	
07 72 13 00-0051 EA 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,896.48	440.18
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	134.63	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	324.27	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-236.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-128.71	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	8.79	
07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053 EA 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,094.67	270.88
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.61	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	185.07	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-33.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.38	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.02	
07 72 13 00-0054 EA 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,102.45	270.88
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.38	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	186.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-41.40	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	18.76	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.24	
07 72 13 00-0055 EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,189.68	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.88	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	199.84	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-50.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	39.64	
07 72 13 00-0056 EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,264.87	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.39	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	214.88	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-67.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.21	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.25	
07 72 13 00-0057 EA 26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,321.92	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	94.10	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	226.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.83	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0058	EA		26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,582.89	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	115.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	274.25	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-111.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-15.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	25.57	
07 72 13 00-0059	EA		38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,102.45	270.88
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	76.38	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	186.63	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.22	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.89	
07 72 13 00-0060	EA		38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,189.68	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.88	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	199.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-64.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	25.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	62.36	
07 72 13 00-0061	EA		38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,321.92	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	94.10	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	226.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-79.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.88	
07 72 13 00-0062	EA		38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,384.15	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	100.32	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	238.74	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	123.11	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.04	
07 72 13 00-0063	EA		38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,546.59	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.33	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	266.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.65	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.62	
07 72 13 00-0064	EA		38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,698.66	372.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	123.31	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	293.17	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	162.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.21	
07 72 13 00-0065	EA		50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,324.51	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	94.36	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	226.81	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-82.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.73	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.37	
07 72 13 00-0066	EA		50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,342.81	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	91.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	226.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-99.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-11.56	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.39	
07 72 13 00-0067	EA		50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,484.36	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.11	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	254.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-118.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-42.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	30.18	
07 72 13 00-0068	EA		50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,631.24	372.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	116.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	279.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-138.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-41.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.43	
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,754.78	406.32
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.69	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	300.17	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	153.51	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	207.22	
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,904.26	440.18
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	135.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	325.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-190.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-54.78	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	18.27	
07 72 13 00-0071	EA		62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,484.36	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.11	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	254.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.33	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	178.97	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0072	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,600.13	372.46
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.46	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	273.47	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-144.12	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-38.84	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.74	
07 72 13 00-0073	EA			62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,749.59	406.32
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	124.17	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	299.13	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-187.05	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-81.79	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-19.47	
07 72 13 00-0074	EA			62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,783.30	406.32
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	127.54	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	305.87	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.32	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	144.59	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	252.02	
07 72 13 00-0075	EA			62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,935.37	440.18
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	138.51	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	332.05	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-236.12	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-128.71	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	8.79	
07 72 13 00-0076				14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077				9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA			26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,014.29	270.88
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.57	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	169.00	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-33.73	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.38	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.02	
07 72 13 00-0079	EA			26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,047.99	270.88
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.94	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	175.74	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-41.40	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	18.76	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.24	
07 72 13 00-0080	EA			26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,197.46	304.74
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	81.65	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	201.40	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-50.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.60	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	39.64	
07 72 13 00-0081	EA			26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,275.24	304.74
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	89.43	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	216.96	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-67.45	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.21	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.25	
07 72 13 00-0082	EA			26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,332.29	304.74
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	95.14	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	228.37	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.66	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.94	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.83	
07 72 13 00-0083	EA			26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,624.38	338.60
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	120.11	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	282.55	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-111.92	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-15.25	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	25.57	
07 72 13 00-0084	EA			38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,110.22	270.88
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.16	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	188.18	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.28	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.22	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.89	
07 72 13 00-0085	EA			38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,218.20	304.74
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.73	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	205.55	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-64.40	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	25.84	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	62.36	
07 72 13 00-0086	EA			38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,244.13	304.74
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.32	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	210.73	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-79.73	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.80	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.88	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0087	EA		38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,267.47	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.65	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	215.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	123.11	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.04	
07 72 13 00-0088	EA		38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,562.15	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.89	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	270.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.65	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.62	
07 72 13 00-0089	EA		38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,716.81	372.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	125.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	296.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	162.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.21	
07 72 13 00-0090	EA		50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,334.88	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	95.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	228.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-82.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.73	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.37	
07 72 13 00-0091	EA		50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,455.84	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	248.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-99.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-11.56	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.39	
07 72 13 00-0092	EA		50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,497.33	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	107.41	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	257.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-118.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-42.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	30.18	
07 72 13 00-0093	EA		50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,646.80	372.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	118.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	282.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-138.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-41.30	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.43	
07 72 13 00-0094	EA		51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,770.33	406.32
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	126.24	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	303.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	153.51	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	207.22	
07 72 13 00-0095	EA		51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,922.41	440.18
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	137.22	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	329.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-190.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-54.78	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	18.27	
07 72 13 00-0096	EA		62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,497.33	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	107.41	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	257.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.33	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	178.97	
07 72 13 00-0097	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,613.09	372.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	114.75	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	276.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-144.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-38.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.74	
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,765.15	406.32
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	125.73	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	302.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-187.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-81.79	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-19.47	
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,801.45	406.32
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	129.36	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	309.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	144.59	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	252.02	
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,956.12	440.18
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	140.59	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	336.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-236.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-128.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	8.79	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 13 00-0101	12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102	EA 26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,037.62	270.88
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.90	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	173.66	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-33.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.38	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.02	
07 72 13 00-0103	EA 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,076.52	270.88
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.79	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	181.44	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-41.40	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	18.76	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.24	
07 72 13 00-0104	EA 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,236.35	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.54	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	209.18	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-50.60	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.60	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	39.64	
07 72 13 00-0105	EA 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,321.92	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	94.10	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	226.29	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-67.45	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.21	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.25	
07 72 13 00-0106	EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,391.92	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	101.10	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	240.29	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.66	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.94	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.83	
07 72 13 00-0107	EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,634.75	338.60
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.15	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	284.62	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-111.92	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-15.25	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	25.57	
07 72 13 00-0108	EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,143.93	270.88
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.53	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	194.93	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.28	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.22	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.89	
07 72 13 00-0109	EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,259.69	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.88	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	213.85	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-64.40	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	25.84	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	62.36	
07 72 13 00-0110	EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,293.39	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	91.25	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	220.59	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-79.73	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.80	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.88	
07 72 13 00-0111	EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,324.51	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	94.36	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	226.81	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.98	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	123.11	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.04	
07 72 13 00-0112	EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,624.38	338.60
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	120.11	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	282.55	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.78	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.65	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.62	
07 72 13 00-0113	EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,792.00	372.46
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	132.64	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	311.84	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	31.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	162.64	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.21	
07 72 13 00-0114	EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,381.55	304.74
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	100.06	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	238.22	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-82.80	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.73	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.37	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0115	EA		50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,507.70 108.44 259.21 -99.65 -11.56 31.39	338.60
07 72 13 00-0116	EA		50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,556.96 113.37 269.07 -118.05 -42.87 30.18	338.60
07 72 13 00-0117	EA		50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,709.03 124.35 295.25 -138.00 -41.30 27.43	372.46
07 72 13 00-0118	EA		51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,842.94 133.50 317.80 33.19 153.51 207.22	406.32
07 72 13 00-0119	EA		51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	2,005.38 145.52 346.05 -190.12 -54.78 18.27	440.18
07 72 13 00-0120	EA		62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,556.96 113.37 269.07 26.43 97.33 178.97	338.60
07 72 13 00-0121	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,680.51 121.49 289.54 -144.12 -38.84 27.74	372.46
07 72 13 00-0122	EA		62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,837.75 132.99 316.76 -187.05 -81.79 -19.47	406.32
07 72 13 00-0123	EA		62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,876.64 136.87 324.54 39.32 144.59 252.02	406.32
07 72 13 00-0124	EA		62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	2,044.28 149.41 353.83 -236.12 -128.71 8.79	440.18
07 72 13 00-0125			14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0126	EA		26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,055.77 71.72 177.29 -33.73 11.38 35.02	270.88
07 72 13 00-0127	EA		26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,097.26 75.87 185.59 -41.40 18.76 40.24	270.88
07 72 13 00-0128	EA		26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,259.69 87.88 213.85 -50.60 24.60 39.64	304.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0129 EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,353.03	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	97.21	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	232.51	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-67.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	29.21	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.25	
07 72 13 00-0130 EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,430.82	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	104.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	248.07	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.83	
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,717.72	338.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	129.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	301.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-111.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-15.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	25.57	
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,169.86	270.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	83.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	200.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.28	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	97.22	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	135.89	
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,303.77	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	92.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	222.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-64.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	25.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	62.36	
07 72 13 00-0134 EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,350.44	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	96.95	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	232.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-79.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	14.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	44.88	
07 72 13 00-0135 EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,360.81	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	97.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	234.07	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.11	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	151.04	
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,671.05	338.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	124.78	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	291.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	182.62	
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,843.86	372.46
For Sloped Roofs Up To 1 In 12 Pitch, Add	137.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	322.21	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	31.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	162.64	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	214.21	
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,412.67	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	103.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	244.44	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-82.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	11.73	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.37	
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,422.31	338.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	99.91	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	242.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-99.65	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-11.56	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	31.39	
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,595.86	338.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	117.26	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	276.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-118.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-42.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.18	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,755.70	372.46
For Sloped Roofs Up To 1 In 12 Pitch, Add	129.01	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	304.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-138.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-41.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	27.43	
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,889.61	406.32
For Sloped Roofs Up To 1 In 12 Pitch, Add	138.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	327.13	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	33.19	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	153.51	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	207.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0143	EA		51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,062.43	440.18
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	151.22	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	357.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-190.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-54.78	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	18.27	
07 72 13 00-0144	EA		62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,595.86	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	117.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	276.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	97.33	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	178.97	
07 72 13 00-0145	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,727.18	372.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	126.16	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	298.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-144.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-38.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.74	
07 72 13 00-0146	EA		62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,881.83	406.32
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	137.39	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	325.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-187.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-81.79	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-19.47	
07 72 13 00-0147	EA		62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,928.50	406.32
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	142.06	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	334.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	144.59	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	252.02	
07 72 13 00-0148	EA		62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,101.32	440.18
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	155.11	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	365.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-236.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-128.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	8.79	
07 72 13 00-0149			Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
			Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150			6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151	EA		14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	998.20	270.88
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	165.78	
07 72 13 00-0152	EA		23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,140.70	270.88
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.21	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	194.28	
07 72 13 00-0153	EA		32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,304.59	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.37	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	222.83	
07 72 13 00-0154	EA		41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,418.37	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.74	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	245.58	
07 72 13 00-0155	EA		50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,569.20	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	114.59	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	271.51	
07 72 13 00-0156			12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0157	EA		14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,206.86	270.88
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.83	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	207.51	
07 72 13 00-0158	EA		23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,400.26	270.88
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.17	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	246.19	
07 72 13 00-0159	EA		32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,490.35	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	110.94	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	259.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0160 EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,563.06	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	118.21	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	274.52	
07 72 13 00-0161 EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,749.50	338.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	132.62	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	307.57	
07 72 13 00-0162 EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	2,724.09	372.46
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	225.85	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	498.26	
07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0164 EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,549.67	270.88
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.11	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	276.07	
07 72 13 00-0165 EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,747.42	270.88
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	140.88	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	315.62	
07 72 13 00-0166 EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	2,066.90	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	168.60	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	375.29	
07 72 13 00-0167 Wood, Prefabricated Roof Curbs <small>(07 72 13)</small>		
<small>Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.</small>		
07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0169)</small>		
07 72 13 00-0170 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	851.24	270.88
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.26	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	136.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-33.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.38	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.02	
07 72 13 00-0171 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	948.77	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.78	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	151.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-50.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	39.64	
07 72 13 00-0172 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	1,004.63	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.37	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	162.83	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.94	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.83	
07 72 13 00-0173 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	998.19	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.73	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	161.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-79.73	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	14.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	44.88	
07 72 13 00-0174 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	1,013.22	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.23	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	164.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.98	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	123.11	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.04	
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	1,134.41	338.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.12	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	184.56	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	25.78	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	139.65	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.62	
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	1,008.93	304.74
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.80	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	163.69	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-82.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.73	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.37	
07 72 13 00-0177 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	1,153.75	338.60
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.05	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	188.42	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-118.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-42.87	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	30.18	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0178	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,323.04 81.51 213.82 33.19 153.51 207.22	406.32
07 72 13 00-0179	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,115.07 69.18 180.69 26.43 97.33 178.97	338.60
07 72 13 00-0180	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,225.50 75.99 198.54 -144.12 -38.84 27.74	372.46
07 72 13 00-0181	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,366.01 85.81 222.41 39.32 144.59 252.02	406.32
07 72 13 00-0182			2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0183	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	864.13 52.55 138.97 -33.73 11.38 35.02	270.88
07 72 13 00-0184	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	963.81 58.29 154.67 -50.60 24.60 39.64	304.74
07 72 13 00-0185	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,045.45 66.45 171.00 19.66 124.94 137.83	304.74
07 72 13 00-0186	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,023.97 64.30 166.70 -79.73 14.80 44.88	304.74
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,045.45 66.45 171.00 19.98 123.11 151.04	304.74
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,166.64 74.34 191.00 25.78 139.65 182.62	338.60
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,032.56 65.16 168.42 -82.80 11.73 35.37	304.74
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,183.82 76.06 194.44 -118.05 -42.87 30.18	338.60
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,353.11 84.52 219.83 33.19 153.51 207.22	406.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0192 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,138.71 71.55 185.42 26.43 97.33 178.97	338.60
07 72 13 00-0193 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,253.44 78.79 204.13 -144.12 -38.84 27.74	372.46
07 72 13 00-0194 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,396.08 88.82 228.43 39.32 144.59 252.02	406.32
07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0196 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	872.72 53.41 140.68 -33.73 11.38 35.02	270.88
07 72 13 00-0197 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	978.85 59.79 157.68 -50.60 24.60 39.64	304.74
07 72 13 00-0198 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,049.75 66.88 171.86 19.66 124.94 137.83	304.74
07 72 13 00-0199 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,039.01 65.81 169.71 -79.73 14.80 44.88	304.74
07 72 13 00-0200 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,064.79 68.39 174.87 19.98 123.11 151.04	304.74
07 72 13 00-0201 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,188.12 76.49 195.30 25.78 139.65 182.62	338.60
07 72 13 00-0202 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,047.60 66.67 171.43 -82.80 11.73 35.37	304.74
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,203.16 77.99 198.31 -118.05 -42.87 30.18	338.60
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,372.45 86.46 223.70 33.19 153.51 207.22	406.32
07 72 13 00-0205 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,153.75 73.05 188.42 26.43 97.33 178.97	338.60

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0206 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	1,270.62	372.46
For Sloped Roofs Up To 1 In 12 Pitch, Add	80.50	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	207.57	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-144.12	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-38.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	27.74	
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,417.57	406.32
For Sloped Roofs Up To 1 In 12 Pitch, Add	90.97	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	232.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.32	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	144.59	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	252.02	
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	883.47	270.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	54.49	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	142.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-33.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	11.38	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.02	
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	987.44	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	60.65	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	159.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-50.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.64	
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,069.09	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	124.94	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.83	
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,086.27	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	70.53	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	19.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	123.11	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	151.04	
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,211.75	338.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	78.85	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	200.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	25.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	139.65	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	182.62	
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,066.94	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	68.60	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-82.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	11.73	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.37	
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,224.65	338.60
For Sloped Roofs Up To 1 In 12 Pitch, Add	80.14	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	202.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-118.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-42.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.18	
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,398.23	406.32
For Sloped Roofs Up To 1 In 12 Pitch, Add	89.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	228.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	33.19	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	153.51	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	207.22	
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	1,287.81	372.46
For Sloped Roofs Up To 1 In 12 Pitch, Add	82.22	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	211.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-144.12	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-38.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	27.74	
07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	868.43	270.88
For Sloped Roofs Up To 1 In 12 Pitch, Add	52.98	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	139.83	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-33.73	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	11.38	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.02	
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	963.81	304.74
For Sloped Roofs Up To 1 In 12 Pitch, Add	58.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	154.67	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-50.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	39.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,032.56 65.16 168.42 19.66 124.94 137.83	304.74
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,017.52 63.66 165.41 -79.73 14.80 44.88	304.74
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,036.86 65.59 169.28 19.98 123.11 151.04	304.74
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,160.19 73.69 189.71 25.78 139.65 182.62	338.60
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,028.26 64.73 167.56 -82.80 11.73 35.37	304.74
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,177.38 75.41 193.15 -118.05 -42.87 30.18	338.60
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,346.67 83.88 218.54 33.19 153.51 207.22	406.32
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,140.85 71.76 185.84 26.43 97.33 178.97	338.60
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,249.14 78.36 203.27 -144.12 -38.84 27.74	372.46
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,396.08 88.82 228.43 39.32 144.59 252.02	406.32
07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	883.47 54.49 142.83 -33.73 11.38 35.02	270.88
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	981.00 60.01 158.11 -50.60 24.60 39.64	304.74
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,058.34 67.74 173.58 19.66 124.94 137.83	304.74

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0236	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,043.30 66.24 170.57 -79.73 14.80 44.88	304.74
07 72 13 00-0237	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,071.23 69.03 176.15 19.98 123.11 151.04	304.74
07 72 13 00-0238	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,198.86 77.56 197.45 25.78 139.65 182.62	338.60
07 72 13 00-0239	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,058.34 67.74 173.58 -82.80 11.73 35.37	304.74
07 72 13 00-0240	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,213.90 79.06 200.45 -118.05 -42.87 30.18	338.60
07 72 13 00-0241	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,387.49 87.96 226.71 33.19 153.51 207.22	406.32
07 72 13 00-0242	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,168.79 74.55 191.43 26.43 97.33 178.97	338.60
07 72 13 00-0243	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,281.37 81.58 209.72 -144.12 -38.84 27.74	372.46
07 72 13 00-0244	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,432.61 92.47 235.73 39.32 144.59 252.02	406.32
07 72 13 00-0245			2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0246	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	896.36 55.78 145.41 -33.73 11.38 35.02	270.88
07 72 13 00-0247	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	998.19 61.73 161.55 -50.60 24.60 39.64	304.74
07 72 13 00-0248	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,084.13 70.32 178.73 19.66 124.94 137.83	304.74
07 72 13 00-0249	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,062.64 68.17 174.44 -79.73 14.80 44.88	304.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0250 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,097.02 71.61 181.31 19.98 123.11 151.04	304.74
07 72 13 00-0251 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,226.79 80.35 203.03 25.78 139.65 182.62	338.60
07 72 13 00-0252 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,077.68 69.68 177.44 -82.80 11.73 35.37	304.74
07 72 13 00-0253 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,237.54 81.43 205.18 -118.05 -42.87 30.18	338.60
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,413.27 90.54 231.86 33.19 153.51 207.22	406.32
07 72 13 00-0255 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,190.27 76.70 195.73 26.43 97.33 178.97	338.60
07 72 13 00-0256 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,305.00 83.94 214.44 -144.12 -38.84 27.74	372.46
07 72 13 00-0257 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,460.54 95.26 241.32 39.32 144.59 252.02	406.32
07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0259 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	922.14 58.35 150.57 -33.73 11.38 35.02	270.88
07 72 13 00-0260 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,011.08 63.02 164.12 -50.60 24.60 39.64	304.74
07 72 13 00-0261 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,103.46 72.25 182.60 19.66 124.94 137.83	304.74
07 72 13 00-0262 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,118.50 73.76 185.61 19.98 123.11 151.04	304.74
07 72 13 00-0263 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,308.44 88.52 219.36 25.78 139.65 182.62	338.60

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,139.99	304.74
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	75.91	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	189.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-82.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	11.73	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.37	
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,312.73	338.60
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	88.95	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	220.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-118.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-42.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	30.18	
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,499.21	406.32
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	99.13	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	249.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	153.51	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	207.22	
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,384.49	372.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	91.89	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	230.34	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-144.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-38.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.74	

07 72 23 Relief Vents (07 72)

07 72 23 00-0001 Wind Driven Turbine Ventilators (07 72 23)
Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	194.36	38.45
			<i>For Curb Or Flange Base, Add</i>	215.83	
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	233.48	42.57
			<i>For Curb Or Flange Base, Add</i>	237.17	
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	251.72	50.80
			<i>For Curb Or Flange Base, Add</i>	263.73	
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	486.02	56.29
			<i>For Curb Or Flange Base, Add</i>	425.59	
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	670.34	63.16
			<i>For Curb Or Flange Base, Add</i>	460.91	
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	809.28	68.65
			<i>For Curb Or Flange Base, Add</i>	500.34	
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,034.43	76.89
			<i>For Curb Or Flange Base, Add</i>	613.07	
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,710.42	102.97
			<i>For Curb Or Flange Base, Add</i>	1,006.57	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	187.30	38.45
			<i>For Curb Or Flange Base, Add</i>	222.97	
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	233.84	42.57
			<i>For Curb Or Flange Base, Add</i>	245.48	
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	261.65	50.80
			<i>For Curb Or Flange Base, Add</i>	271.94	
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	468.56	56.29
			<i>For Curb Or Flange Base, Add</i>	468.00	
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	605.35	63.16
			<i>For Curb Or Flange Base, Add</i>	499.90	
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	766.64	68.65
			<i>For Curb Or Flange Base, Add</i>	563.58	
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,036.32	76.89
			<i>For Curb Or Flange Base, Add</i>	681.25	
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,544.48	102.97
			<i>For Curb Or Flange Base, Add</i>	1,025.42	

07 72 23 00-0020 Stationary Siphon Ventilators (07 72 23)

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)

07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	163.74	38.45
			<i>For Curb Or Flange Base, Add</i>	215.83	
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	215.97	42.57
			<i>For Curb Or Flange Base, Add</i>	237.17	
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	237.37	50.80
			<i>For Curb Or Flange Base, Add</i>	263.73	
07 72 23 00-0025	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	407.46	56.29
			<i>For Curb Or Flange Base, Add</i>	425.59	
07 72 23 00-0026	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	471.52	63.16
			<i>For Curb Or Flange Base, Add</i>	460.91	
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	668.77	68.65
			<i>For Curb Or Flange Base, Add</i>	500.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0028 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	871.58 <i>613.07</i>	76.89
07 72 23 00-0029 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,263.70 <i>1,006.57</i>	102.97
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	179.95 <i>222.97</i>	38.45
07 72 23 00-0032 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	238.24 <i>245.48</i>	42.57
07 72 23 00-0033 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	265.34 <i>271.94</i>	50.80
07 72 23 00-0034 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	433.94 <i>468.00</i>	56.29
07 72 23 00-0035 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	546.53 <i>499.90</i>	63.16
07 72 23 00-0036 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	671.05 <i>563.58</i>	68.65
07 72 23 00-0037 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	962.82 <i>681.25</i>	76.89
07 72 23 00-0038 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,450.52 <i>1,025.42</i>	102.97
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040 EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	364.19 <i>199.65</i> <i>288.27</i>	61.79
07 72 23 00-0041 EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	451.13 <i>218.44</i> <i>315.23</i>	68.65
07 72 23 00-0042 EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	508.95 <i>298.30</i> <i>400.35</i>	82.38
07 72 23 00-0043 EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	623.50 <i>340.58</i> <i>464.58</i>	90.62
07 72 23 00-0044 EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,692.40 <i>427.49</i> <i>611.10</i>	123.57
07 72 23 00-0045 EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,069.29 <i>505.00</i> <i>731.21</i>	142.79
07 72 23 00-0046 EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,828.87 <i>505.00</i> <i>758.42</i>	164.76
07 72 23 00-0047 EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	3,992.99 <i>528.49</i> <i>784.82</i>	178.49
07 72 23 00-0048 EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	5,765.46 <i>587.21</i> <i>884.03</i>	192.22
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050 EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	684.06	68.65
07 72 23 00-0051 EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	799.38	90.62
07 72 23 00-0052 EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,153.05	123.57
07 72 23 00-0053 EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,804.08	142.79
07 72 26 Ridge Vents (07 72)		
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	16.47	3.98
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	63.27	24.75
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	58.67	24.75
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	15.11	4.27
07 72 29 Rafter Vent (07 72)		
07 72 29 00-0001 Rafter Vent (07 72 29)		
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002 EA 22" x 4' Rafter Vent.....	11.29	
07 72 29 00-0003 EA 14" x 4' Rafter Vent.....	10.22	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 33 Roof Hatches (07 72)

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,528.44	171.80
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,253.98	190.89
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	3,994.04	260.33
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,223.52	190.89
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,509.96	212.13
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,128.18	289.32

07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,292.02	171.80
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,671.86	190.89
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	3,018.84	260.33
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,633.55	190.89
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,884.44	212.13
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	3,180.09	289.32
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,825.61	190.89

07 72 33 00-0016 Steel, Plain, Primed (07 72 33)

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,464.40	171.80
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,987.86	190.89
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	2,723.64	260.33
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,845.37	190.89
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	2,265.99	212.13
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	3,079.11	289.32

07 72 33 00-0023 Stainless Steel (07 72 33)

07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,074.18	171.80
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,879.61	190.89
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,841.01	260.33
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,719.23	190.89
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	9,969.92	212.13
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,167.74	289.32

07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch (07 72 33)

Note: Includes storage, cleaning and supply materials.

07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	528.43	
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07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)

07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,252.79	190.89
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,632.62	212.13
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,916.83	289.20
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,602.16	196.86
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,798.12	218.09

07 72 33 00-0038 Roof Hatch Accessories (07 72 33)

07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	957.33	89.48
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07 72 33 00-0040 Roof Hatch Safety Railing (07 72 33)

Note: Included mounting bracket to attach to roof hatch

07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,062.82	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,141.73	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,194.95	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,387.66	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,610.17	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,332.78	

07 72 36 Smoke Vents (07 72)

07 72 36 00-0001 Fire Vent (07 72 36)

07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)

07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,044.54	159.16
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,646.36	218.81
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,298.30	238.74
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,401.59	250.66
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,280.95	218.81
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,676.73	238.74
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,048.09	258.65
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	8,029.39	278.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0011 EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	9,974.38	298.39
07 72 36 00-0012 EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,669.94	258.65
07 72 36 00-0013 EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	14,078.50	318.32
07 72 36 00-0014 EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,679.73	338.23
07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0016 EA 4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,781.00	159.16
07 72 36 00-0017 EA 4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,192.21	218.81
07 72 36 00-0018 EA 4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,590.83	238.74
07 72 36 00-0019 EA 4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,718.59	250.66
07 72 36 00-0020 EA 5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,608.09	218.81
07 72 36 00-0021 EA 5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,603.08	238.74
07 72 36 00-0022 EA 5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,923.22	258.65
07 72 36 00-0023 EA 5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,796.10	278.58
07 72 36 00-0024 EA 5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,724.87	298.39
07 72 36 00-0025 EA 5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,648.58	258.65
07 72 36 00-0026 EA 5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,810.58	318.32
07 72 36 00-0027 EA 6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,571.71	338.23
07 72 36 00-0028 Aluminum Covers And Curb <small>(07 72 36 00-0001)</small>		
07 72 36 00-0029 EA 4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,032.10	159.16
07 72 36 00-0030 EA 4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,608.09	218.81
07 72 36 00-0031 EA 4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,959.63	238.74
07 72 36 00-0032 EA 4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,189.40	250.66
07 72 36 00-0033 EA 5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,796.42	218.81
07 72 36 00-0034 EA 5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,799.25	238.74
07 72 36 00-0035 EA 5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,095.85	258.65
07 72 36 00-0036 EA 5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,266.91	278.58
07 72 36 00-0037 EA 5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,387.46	298.39
07 72 36 00-0038 EA 5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,868.29	258.65
07 72 36 00-0039 EA 5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,618.81	318.32
07 72 36 00-0040 EA 6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,042.52	338.23
07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb <small>(07 72 36)</small>		
07 72 36 00-0042 EA 4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,000.71	158.68
07 72 36 00-0043 EA 4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,804.25	218.81
07 72 36 00-0044 EA 4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,024.60	250.66
07 72 36 00-0045 EA 5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,314.31	218.81
07 72 36 00-0046 EA 5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,560.72	278.58
07 72 38 Roof Dormers <small>(07 72)</small>		
07 72 38 13 Roof Dormer Vent <small>(07 72 38)</small>		
07 72 38 13-0001 Copper Roof Dormer Vent <small>(07 72 38 13)</small>		
Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.		
07 72 38 13-0002 Half Round Copper Roof Dormer Vent <small>(07 72 38 13-0001)</small>		
07 72 38 13-0003 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	465.18	78.38
07 72 38 13-0004 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	579.94	78.38
07 72 38 13-0005 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	710.10	78.38
07 72 38 13-0006 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	807.72	78.38
07 72 38 13-0007 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	924.19	78.38
07 72 38 13-0008 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,037.23	78.38
07 72 38 13-0009 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,151.98	78.38
07 72 38 13-0010 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,266.73	78.38
07 72 38 13-0011 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,381.48	78.38
07 72 38 13-0012 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,494.52	78.38
07 72 38 13-0013 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,609.27	78.38
07 72 38 13-0014 EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,724.02	78.38
07 72 38 13-0015 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	835.13	78.38
07 72 38 13-0016 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	949.88	78.38
07 72 38 13-0017 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,080.04	78.38
07 72 38 13-0018 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,177.67	78.38
07 72 38 13-0019 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,294.13	78.38
07 72 38 13-0020 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,407.17	78.38
07 72 38 13-0021 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,521.92	78.38
07 72 38 13-0022 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,636.67	78.38
07 72 38 13-0023 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,751.42	78.38
07 72 38 13-0024 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,864.46	78.38
07 72 38 13-0025 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,979.21	78.38
07 72 38 13-0026 EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,093.96	78.38
07 72 38 13-0027 EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	549.56	94.88
07 72 38 13-0028 EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	664.31	94.88
07 72 38 13-0029 EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	794.48	94.88
07 72 38 13-0030 EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	892.10	94.88

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

07 72 38 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,008.57	94.88
07 72 38 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,121.61	94.88
07 72 38 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,236.36	94.88
07 72 38 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,351.11	94.88
07 72 38 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,465.86	94.88
07 72 38 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,578.90	94.88
07 72 38 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,693.65	94.88
07 72 38 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,808.40	94.88
07 72 38 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	919.51	94.88
07 72 38 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,034.26	94.88
07 72 38 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,164.42	94.88
07 72 38 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,262.05	94.88
07 72 38 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,378.51	94.88
07 72 38 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,491.55	94.88
07 72 38 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,606.30	94.88
07 72 38 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,721.05	94.88
07 72 38 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,835.80	94.88
07 72 38 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,948.84	94.88
07 72 38 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,063.59	94.88
07 72 38 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,178.34	94.88
07 72 38 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	639.18	105.88
07 72 38 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	753.93	105.88
07 72 38 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	884.09	105.88
07 72 38 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	981.72	105.88
07 72 38 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,098.18	105.88
07 72 38 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,211.22	105.88
07 72 38 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,325.97	105.88
07 72 38 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,440.72	105.88
07 72 38 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,555.47	105.88
07 72 38 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,668.51	105.88
07 72 38 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,783.26	105.88
07 72 38 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,898.01	105.88
07 72 38 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,009.12	105.88
07 72 38 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,123.87	105.88
07 72 38 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,254.04	105.88
07 72 38 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,351.66	105.88
07 72 38 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,468.13	105.88
07 72 38 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,581.16	105.88
07 72 38 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,695.91	105.88
07 72 38 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,810.67	105.88
07 72 38 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,925.42	105.88
07 72 38 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,038.45	105.88
07 72 38 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,153.21	105.88
07 72 38 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,267.96	105.88
07 72 38 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	745.58	121.02
07 72 38 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	860.33	121.02
07 72 38 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	990.50	121.02
07 72 38 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,088.12	121.02
07 72 38 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,204.58	121.02
07 72 38 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,317.62	121.02
07 72 38 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,432.37	121.02
07 72 38 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,547.12	121.02
07 72 38 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,661.87	121.02
07 72 38 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,774.91	121.02
07 72 38 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,889.66	121.02
07 72 38 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,004.41	121.02
07 72 38 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,115.52	121.02
07 72 38 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,230.27	121.02
07 72 38 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,360.44	121.02
07 72 38 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,458.06	121.02
07 72 38 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,574.53	121.02
07 72 38 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,687.57	121.02
07 72 38 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,802.32	121.02
07 72 38 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,917.07	121.02
07 72 38 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,031.82	121.02
07 72 38 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,144.86	121.02
07 72 38 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,259.61	121.02
07 72 38 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,374.36	121.02
07 72 38 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,054.70	134.76
07 72 38 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,169.45	134.76
07 72 38 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,299.61	134.76
07 72 38 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,397.24	134.76
07 72 38 13-0103	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,513.70	134.76
07 72 38 13-0104	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,626.74	134.76
07 72 38 13-0105	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,741.49	134.76
07 72 38 13-0106	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,856.24	134.76
07 72 38 13-0107	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,970.99	134.76
07 72 38 13-0108	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,084.03	134.76
07 72 38 13-0109	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,198.78	134.76
07 72 38 13-0110	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,313.53	134.76
07 72 38 13-0111	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,424.64	134.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0112 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,539.39	134.76
07 72 38 13-0113 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,669.56	134.76
07 72 38 13-0114 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,767.18	134.76
07 72 38 13-0115 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,883.64	134.76
07 72 38 13-0116 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,996.68	134.76
07 72 38 13-0117 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,111.43	134.76
07 72 38 13-0118 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,226.18	134.76
07 72 38 13-0119 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,340.94	134.76
07 72 38 13-0120 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,453.97	134.76
07 72 38 13-0121 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,568.72	134.76
07 72 38 13-0122 EA 42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,683.48	134.76
07 72 38 13-0123 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,421.64	134.76
07 72 38 13-0124 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,554.26	145.76
07 72 38 13-0125 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,684.43	145.76
07 72 38 13-0126 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,782.05	145.76
07 72 38 13-0127 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,898.52	145.76
07 72 38 13-0128 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,011.56	145.76
07 72 38 13-0129 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,126.31	145.76
07 72 38 13-0130 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,241.06	145.76
07 72 38 13-0131 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,355.81	145.76
07 72 38 13-0132 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,468.85	145.76
07 72 38 13-0133 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,583.60	145.76
07 72 38 13-0134 EA 48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,698.35	145.76
07 72 38 13-0135 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,809.46	145.76
07 72 38 13-0136 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,924.21	145.76
07 72 38 13-0137 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,054.37	145.76
07 72 38 13-0138 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,152.00	145.76
07 72 38 13-0139 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,268.46	145.76
07 72 38 13-0140 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,381.50	145.76
07 72 38 13-0141 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,496.25	145.76
07 72 38 13-0142 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,611.00	145.76
07 72 38 13-0143 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,725.75	145.76
07 72 38 13-0144 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,838.79	145.76
07 72 38 13-0145 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,953.54	145.76
07 72 38 13-0146 EA 48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,068.29	145.76
07 72 38 13-0147	Third Round Copper Roof Dormer Vent (07 72 38 13-0001)	
07 72 38 13-0148 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	701.07	121.02
07 72 38 13-0149 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	815.82	121.02
07 72 38 13-0150 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	945.98	121.02
07 72 38 13-0151 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,043.61	121.02
07 72 38 13-0152 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,160.07	121.02
07 72 38 13-0153 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,273.11	121.02
07 72 38 13-0154 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,387.86	121.02
07 72 38 13-0155 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,502.61	121.02
07 72 38 13-0156 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,617.36	121.02
07 72 38 13-0157 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,730.40	121.02
07 72 38 13-0158 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,845.15	121.02
07 72 38 13-0159 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,959.90	121.02
07 72 38 13-0160 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	916.87	121.02
07 72 38 13-0161 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,031.62	121.02
07 72 38 13-0162 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,161.78	121.02
07 72 38 13-0163 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,259.41	121.02
07 72 38 13-0164 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,375.87	121.02
07 72 38 13-0165 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,488.91	121.02
07 72 38 13-0166 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,603.66	121.02
07 72 38 13-0167 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,718.41	121.02
07 72 38 13-0168 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,833.16	121.02
07 72 38 13-0169 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,946.20	121.02
07 72 38 13-0170 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,060.95	121.02
07 72 38 13-0171 EA 36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,175.70	121.02
07 72 38 13-0172 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	798.07	134.76
07 72 38 13-0173 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	912.82	134.76
07 72 38 13-0174 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,042.98	134.76
07 72 38 13-0175 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,140.61	134.76
07 72 38 13-0176 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,257.07	134.76
07 72 38 13-0177 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,370.11	134.76
07 72 38 13-0178 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,484.86	134.76
07 72 38 13-0179 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,599.61	134.76
07 72 38 13-0180 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,714.36	134.76
07 72 38 13-0181 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,827.40	134.76
07 72 38 13-0182 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,942.15	134.76
07 72 38 13-0183 EA 42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,056.90	134.76
07 72 38 13-0184 EA 42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,013.87	134.76
07 72 38 13-0185 EA 42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,128.62	134.76
07 72 38 13-0186 EA 42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,258.78	134.76
07 72 38 13-0187 EA 42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,356.41	134.76
07 72 38 13-0188 EA 42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,472.87	134.76
07 72 38 13-0189 EA 42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,585.91	134.76
07 72 38 13-0190 EA 42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,700.66	134.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0191	EA		42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,815.41	134.76
07 72 38 13-0192	EA		42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,930.16	134.76
07 72 38 13-0193	EA		42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,043.20	134.76
07 72 38 13-0194	EA		42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,157.95	134.76
07 72 38 13-0195	EA		42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,272.70	134.76
07 72 38 13-0196	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,014.88	134.76
07 72 38 13-0197	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,147.50	145.76
07 72 38 13-0198	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,277.66	145.76
07 72 38 13-0199	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,375.29	145.76
07 72 38 13-0200	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,491.75	145.76
07 72 38 13-0201	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,604.79	145.76
07 72 38 13-0202	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,719.54	145.76
07 72 38 13-0203	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,834.29	145.76
07 72 38 13-0204	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,949.04	145.76
07 72 38 13-0205	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,062.08	145.76
07 72 38 13-0206	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,176.83	145.76
07 72 38 13-0207	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,291.58	145.76
07 72 38 13-0208	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,248.55	145.76
07 72 38 13-0209	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,363.30	145.76
07 72 38 13-0210	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,493.46	145.76
07 72 38 13-0211	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,591.09	145.76
07 72 38 13-0212	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,707.55	145.76
07 72 38 13-0213	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,820.59	145.76
07 72 38 13-0214	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,935.34	145.76
07 72 38 13-0215	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,050.09	145.76
07 72 38 13-0216	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,164.84	145.76
07 72 38 13-0217	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,277.88	145.76
07 72 38 13-0218	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,392.63	145.76
07 72 38 13-0219	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,507.38	145.76
07 72 46			Roof Walkways (07 72)		
07 72 46 00-0001			Recycled Rubber Walkway Pads (07 72 46)		
07 72 46 00-0002	SF		3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	13.13	3.21
			<i>For Diamond Surface, Add</i>	1.13	
07 72 46 00-0003	SF		1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	14.61	3.85
			<i>For Diamond Surface, Add</i>	1.32	
07 72 46 00-0004	SF		3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	16.12	3.85
			<i>For Diamond Surface, Add</i>	1.47	
07 72 53			Snow Guards (07 72)		
07 72 53 00-0001			Snow Guards For Shingle And Tile Roofs (07 72 53)		
07 72 53 00-0002	EA		6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	25.32	3.31
07 72 53 00-0003	EA		6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	27.67	3.31
07 72 53 00-0004	EA		6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	26.12	3.31
07 72 53 00-0005	EA		6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	15.25	3.31
07 72 53 00-0006			Snow Guards For Metal Roofs (07 72 53)		
			Note: Aluminum construction.		
07 72 53 00-0007	EA		Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	31.12	4.91
07 72 53 00-0008	EA		Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	34.88	4.91
07 72 53 00-0009	EA		Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	52.64	4.91
07 72 53 00-0010	EA		Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	51.84	4.91
07 72 53 00-0011	EA		Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	48.15	5.73
07 72 53 00-0012	EA		Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	52.87	5.73
07 72 53 00-0013	EA		Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	66.75	5.73
07 72 53 00-0014	EA		Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	27.19	4.31
			<i>For Mechanically Fastened, Add</i>	8.59	
07 72 53 00-0015	EA		Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	31.09	4.31
			<i>For Mechanically Fastened, Add</i>	8.59	
07 72 53 00-0016	EA		Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	44.34	4.31
			<i>For Mechanically Fastened, Add</i>	8.59	
07 72 53 00-0017	EA		Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	14.34	4.31
			Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
			<i>For Mechanically Fastened, Add</i>	11.46	
07 72 53 00-0018			Snow Breaker For Roofs (07 72 53)		
07 72 53 00-0019	EA		Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	18.39	5.73
07 72 53 00-0020	EA		>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	17.27	5.73
07 72 53 00-0021	EA		>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount.....	16.70	5.73
07 72 53 00-0022	EA		>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.03	5.73
07 72 53 00-0023			Ice Breaker For Vents (07 72 53)		
07 72 53 00-0024	EA		Ice Breaker For Vents Up to 4", Mechanically Fastened.....	149.24	
07 72 53 00-0025	EA		Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	171.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 72 53 00-0026			Pipe Style, Snow Guards For Metal Roofs <small>(07 72 53)</small>		
	07 72 53 00-0027			Pipe Style, Standing Seam Metal Roof Snow Guard Clamps <small>(07 72 53 00-0026)</small> Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
	07 72 53 00-0028	EA		Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	70.22	17.19
	07 72 53 00-0029	EA		Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	84.04	17.19
	07 72 53 00-0030	EA		Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	95.06	17.19
	07 72 53 00-0031	EA		Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	118.79	17.19
	07 72 53 00-0032	EA		Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	122.09	20.63
	07 72 53 00-0033			Tubing For Snow Guard Clamps <small>(07 72 53 00-0026)</small>		
	07 72 53 00-0034	LF		1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	14.48	4.13
	07 72 53 00-0035	LF		1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	29.13	4.13
				Note: Includes end caps, collars and couplings.		
	07 72 56			Snow/Ice Melt Cable <small>(07 72)</small>		
	07 72 56 00-0001			Self Regulating Heating Cable For Roofs And Gutters <small>(07 72 56)</small>		
	07 72 56 00-0002	LF		12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	17.06	1.23
				Note: Nickel-coated copper braided cable with weatherproof jacket.		
	07 72 56 00-0003	LF		12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	18.35	1.23
				Note: Nickel-coated copper braided cable with weatherproof jacket.		
	07 72 56 00-0004	EA		Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	258.07	92.05
	07 72 56 00-0005	EA		Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	197.24	67.50
	07 72 56 00-0006	EA		Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	9.59	3.68
				<i>For >5, Deduct</i>	-0.74	
	07 72 56 00-0007	EA		Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	9.00	3.68
				<i>For >5, Deduct</i>	-0.68	
	07 72 56 00-0008	EA		Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	65.72	9.20
	07 72 56 00-0009	EA		120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	1,074.67	73.65
	07 72 56 00-0010	EA		Automatic Gutter Ice Melting Control.....	1,475.40	92.05
	07 72 63			Waste Containment Assemblies <small>(07 72)</small>		
	07 72 63 00-0001			Rooftop Oil And Grease Containment System <small>(07 72 63)</small>		
	07 72 63 00-0002			Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) <small>(07 72 63 00-0001)</small>		
	07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	3,197.84	265.42
	07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,565.58	265.42
	07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,360.71	276.04
	07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	4,339.69	276.04
	07 72 63 00-0007	EA		72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,651.47	298.60
	07 72 63 00-0008	EA		72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,427.07	298.60
	07 72 63 00-0009	EA		90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	4,939.80	353.80
	07 72 63 00-0010	EA		108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	7,254.63	442.32
	07 72 63 00-0011	EA		120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	8,978.23	442.32
	07 72 63 00-0012	EA		144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	11,342.94	442.32
	07 72 63 00-0013			Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) <small>(07 72 63 00-0001)</small>		
	07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,917.66	265.42
	07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,395.87	265.42
	07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,416.96	276.04
	07 72 63 00-0017	EA		72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,511.57	276.04
	07 72 63 00-0018	EA		72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	7,842.77	298.60
	07 72 63 00-0019	EA		72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	8,594.23	298.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0020 EA 90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	8,008.66	353.80
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	9,030.78	442.32
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	11,274.62	442.32
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	14,348.74	442.32
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63)</small> Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0025)</small>		
07 72 63 00-0027 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	261.90	
07 72 63 00-0028 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	367.01	
07 72 63 00-0029 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	524.64	
07 72 63 00-0030 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	485.37	
07 72 63 00-0031 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	905.76	
07 72 63 00-0032 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	916.26	
07 72 63 00-0033 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	708.84	
07 72 63 00-0034 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	919.03	
07 72 63 00-0035 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,344.68	
07 72 63 00-0036 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,770.33	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0039 SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	544.55	
07 72 63 00-0040 SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	723.23	
07 72 63 00-0041 SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	1,049.04	
07 72 63 00-0042 SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	978.21	
07 72 63 00-0043 SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,876.80	
07 72 63 00-0044 SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,887.30	
07 72 63 00-0045 SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	1,401.35	
07 72 63 00-0046 SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,890.07	
07 72 63 00-0047 SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	2,767.63	
07 72 63 00-0048 SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	3,681.99	
07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0050 SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	675.93	
07 72 63 00-0051 SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	838.84	
07 72 63 00-0052 SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	1,227.69	
07 72 63 00-0053 SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	1,162.13	
07 72 63 00-0054 SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	2,260.40	
07 72 63 00-0055 SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	2,249.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0056 SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	1,643.10	
07 72 63 00-0057 SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	2,273.67	
07 72 63 00-0058 SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	3,188.03	
07 72 63 00-0059 SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	4,433.45	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001	Roof Protection Board <small>(07 73)</small> Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 73 00 00-0002	Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) <small>(07 73 00 00-0001)</small>		
07 73 00 00-0003	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	4.34	0.67
	<i>For No Adhesive, Deduct</i>	-0.95	
07 73 00 00-0004	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	4.89	0.73
	<i>For No Adhesive, Deduct</i>	-0.97	
07 73 00 00-0005	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®).....	5.17	0.80
	<i>For No Adhesive, Deduct</i>	-1.00	
07 73 00 00-0006	SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	4.40	0.67
	<i>For No Adhesive, Deduct</i>	-0.95	
07 73 00 00-0007	SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	4.98	0.73
	<i>For No Adhesive, Deduct</i>	-0.97	
07 73 00 00-0008	SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime).....	5.26	0.80
	<i>For No Adhesive, Deduct</i>	-1.00	
07 73 00 00-0009	Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) <small>(07 73 00 00-0001)</small>		
07 73 00 00-0010	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.20	0.67
07 73 00 00-0011	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.78	0.73
07 73 00 00-0012	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	5.08	0.80
07 73 00 00-0013	SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	4.26	0.67
07 73 00 00-0014	SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	4.87	0.73
07 73 00 00-0015	SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	5.17	0.80
07 73 00 00-0016	Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) <small>(07 73 00 00-0001)</small> Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.17	0.67
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.16	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.31	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 73 00 00-0018	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.73	0.73
	<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.26	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.41	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	

07	Thermal And Moisture Protection
07 70	Roof and Wall Specialties and Accessories
07 73	Roof Protection Board



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	5.01	0.80
		<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.33	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.48	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.23	0.67
		<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.16	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.31	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.82	0.73
		<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.26	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.41	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	5.09	0.80
		<i>For Mechanically Fastened To Concrete, Add</i>	1.77	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.32	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.79	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.33	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.85	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.19	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.48	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.26	

07 76 Roof Pavers (07 70)**07 76 16 Roof Decking Pavers** (07 76)**07 76 16 00-0001 Roof Pavers** (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	13.51	8.34
		<i>For 1-1/2" Thickness, Deduct</i>	-1.35	
		<i>For 2-1/2" Thickness, Add</i>	1.48	
		<i>For 3" Thickness, Add</i>	2.96	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	12.08	6.28
		<i>For 1-1/2" Thickness, Deduct</i>	-1.21	
		<i>For 2-1/2" Thickness, Add</i>	1.33	
		<i>For 3" Thickness, Add</i>	2.66	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	11.30	5.00
		<i>For 1-1/2" Thickness, Deduct</i>	-1.13	
		<i>For 2-1/2" Thickness, Add</i>	1.25	
		<i>For 3" Thickness, Add</i>	2.49	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	10.86	4.36
		<i>For 1-1/2" Thickness, Deduct</i>	-1.09	
		<i>For 2-1/2" Thickness, Add</i>	1.20	
		<i>For 3" Thickness, Add</i>	2.39	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	10.26	3.98
		<i>For 1-1/2" Thickness, Deduct</i>	-1.03	
		<i>For 2-1/2" Thickness, Add</i>	1.13	
		<i>For 3" Thickness, Add</i>	2.26	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	26.62	1.33
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	27.94	1.33
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	29.27	1.33
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	14.71	1.33
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator).....	13.37	1.33
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	13.68	1.33
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	7.67	1.33
		Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	10.37	1.33
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001	Composite Insulation Concrete Protection Board <small>(07 76 19)</small> Note: Manufactured by T. Clear Corp. 25 year warranty.		
07 76 19 00-0002	SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	6.30	
	<i>For 20 Year Warranty, Deduct</i>	-0.36	
	<i>For 15 Year Warranty, Deduct</i>	-0.73	
	<i>For 10 Year Warranty, Deduct</i>	-0.99	
	<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003	SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	8.19	
	<i>For 20 Year Warranty, Deduct</i>	-0.52	
	<i>For 15 Year Warranty, Deduct</i>	-1.04	
	<i>For 10 Year Warranty, Deduct</i>	-1.40	
	<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004	SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	9.63	
	<i>For 20 Year Warranty, Deduct</i>	-0.60	
	<i>For 15 Year Warranty, Deduct</i>	-1.20	
	<i>For 10 Year Warranty, Deduct</i>	-1.63	
	<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005	SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	11.61	
	<i>For 20 Year Warranty, Deduct</i>	-0.75	
	<i>For 15 Year Warranty, Deduct</i>	-1.51	
	<i>For 10 Year Warranty, Deduct</i>	-2.04	
	<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	

07 80 Fire and Smoke Protection (07)

07 81 Applied Fireproofing (07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)

07 81 16 00-0001	Monokote Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0002	SF Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	2.33	0.80
07 81 16 00-0003	SF Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	3.23	1.20

07 81 16 00-0004 Gunite Fireproofing (07 81 16)

07 81 16 00-0005	SF 1" Thick, Non-Reinforced, Gunite Fireproofing.....	3.23	0.81
07 81 16 00-0006	SF 1" Thick, Reinforced, Gunite Fireproofing.....	4.52	0.81

07 81 23 Intumescent Fireproofing (07 81)

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003	SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	17.58	
	<i>For >10,000, Deduct</i>	-1.68	
07 81 23 00-0004	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	28.23	
	<i>For >10,000, Deduct</i>	-2.74	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006	SF 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	11.43	
	<i>For >10,000, Deduct</i>	-1.06	
07 81 23 00-0007	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	25.30	
	<i>For >10,000, Deduct</i>	-2.45	
07 81 23 00-0008	SF 2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	57.22	
	<i>For >10,000, Deduct</i>	-5.63	
07 81 23 00-0009	SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	78.75	
	<i>For >10,000, Deduct</i>	-7.78	
07 81 23 00-0010	SF 3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	100.31	
	<i>For >10,000, Deduct</i>	-9.93	
07 81 23 00-0011	SF 3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	121.88	
	<i>For >10,000, Deduct</i>	-12.08	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013	SF 1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	23.05	
	<i>For >10,000, Deduct</i>	-2.23	
07 81 23 00-0014	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	42.81	
	<i>For >10,000, Deduct</i>	-4.20	
07 81 23 00-0015	SF 2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	67.95	
	<i>For >10,000, Deduct</i>	-6.70	
07 81 23 00-0016	SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	94.86	
	<i>For >10,000, Deduct</i>	-9.39	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0017 SF 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)..... <i>For >10,000, Deduct</i>	120.00 -11.90	
07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)		
07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)		
Note: Excludes primer.		
07 81 23 00-0020 SF 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For >10,000, Deduct</i>	11.17 -1.06	
07 81 23 00-0021 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For >10,000, Deduct</i>	25.44 -2.49	
07 81 23 00-0022 SF 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For >10,000, Deduct</i>	58.27 -5.76	
07 81 23 00-0023 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For >10,000, Deduct</i>	80.42 -7.97	
07 81 23 00-0024 SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <i>For >10,000, Deduct</i>	102.59 -10.18	
07 81 33 Mineral-Fiber Fireproofing (07 81)		
07 81 33 00-0001 Cellulose Fireproofing (07 81 33)		
07 81 33 00-0002 SF Cellulose Fireproofing, Per Inch Of Thickness.....	2.80	0.81
07 84 Firestopping (07 80)		
07 84 13 Penetration Firestopping (07 84)		
07 84 13 16 Penetration Firestopping Devices (07 84 13)		
07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)		
07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)		
Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003 EA 1" Diameter Intumescent Firestop Sleeve (STI FS100)	71.94	
07 84 13 16-0004 EA 2" Diameter Intumescent Firestop Sleeve (STI FS201)	96.83	
07 84 13 16-0005 EA 4" Diameter Intumescent Firestop Sleeve (STI FS401)	157.40	
07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)		
Note: Includes pathway, putty and wall/floor mounting plates.		
07 84 13 16-0007 EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	131.68	
07 84 13 16-0008 EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	231.21	
07 84 13 16-0009 EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	423.62	
07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)		
07 84 13 16-0011 EA 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	297.37	
07 84 13 16-0012 EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	275.37	
07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	283.73	
07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)		
07 84 13 16-0015 EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	43.86	12.37
07 84 13 16-0016 EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	53.08	12.37
07 84 13 16-0017 EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	61.80	13.60
07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	97.17	15.46
07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	481.70	18.55
07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	622.59	20.41
07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)		
Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022 EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	179.03	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023 EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	189.59	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024 EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	370.26	
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025 EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	236.03	
Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 84 13 16-0026	Intumescent Firestopping Wrap Strips <small>(07 84 13 16)</small>		
07 84 13 16-0027	LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....	7.12	

07 84 13 19 Penetration Firestopping Caulk (07 84 13)

07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) (07 84 13 19)

Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.

07 84 13 19-0002	EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	25.71	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.08	
07 84 13 19-0003	EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	31.66	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.42	
07 84 13 19-0004	EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	31.39	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.31	
07 84 13 19-0005	EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	30.95	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.14	
07 84 13 19-0006	EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	36.66	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.89	
07 84 13 19-0007	EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	36.40	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.79	
07 84 13 19-0008	EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	35.96	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.61	
07 84 13 19-0009	EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	35.28	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.34	
07 84 13 19-0010	EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	34.69	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.10	
07 84 13 19-0011	EA 2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	44.57	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.50	
07 84 13 19-0012	EA 2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	44.31	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.40	
07 84 13 19-0013	EA 2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	43.87	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.22	
07 84 13 19-0014	EA 2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	43.18	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.94	
07 84 13 19-0015	EA 2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	42.61	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.72	
07 84 13 19-0016	EA 2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	41.23	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.16	
07 84 13 19-0017	EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	61.12	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.04	
07 84 13 19-0018	EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	56.37	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.14	
07 84 13 19-0019	EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	55.93	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.97	
07 84 13 19-0020	EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	55.24	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.69	
07 84 13 19-0021	EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	54.66	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.46	
07 84 13 19-0022	EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	53.29	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.91	
07 84 13 19-0023	EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	51.51	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	0.20	
07 84 13 19-0024	EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	82.43	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.46	
07 84 13 19-0025	EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	81.94	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	7.27	
07 84 13 19-0026	EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	81.16	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.96	
07 84 13 19-0027	EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	79.93	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.46	
07 84 13 19-0028	EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	78.88	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.04	
07 84 13 19-0029	EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	70.79	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.81	
07 84 13 19-0030	EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	69.01	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.10	
07 84 13 19-0031	EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	66.31	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.02	
07 84 13 19-0032	EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	132.32	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	17.22	
07 84 13 19-0033	EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	131.84	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	17.02	
07 84 13 19-0034	EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	131.06	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.71	
07 84 13 19-0035	EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	129.83	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.22	
07 84 13 19-0036	EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	128.79	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.80	
07 84 13 19-0037	EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	126.31	
	<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.81	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0038 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	123.11	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.53	
07 84 13 19-0039 EA 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	118.25	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.59	
07 84 13 19-0040 EA 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	99.96	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.27	
07 84 13 19-0041 EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	176.39	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	27.19	
07 84 13 19-0042 EA 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	171.52	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	25.24	
07 84 13 19-0043 EA 8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	161.77	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	21.34	
07 84 13 19-0044 EA 8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	121.99	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.43	
07 84 13 19-0045 EA 10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	224.82	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	38.91	
07 84 13 19-0046 EA 10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	195.89	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	27.34	
07 84 13 19-0047 EA 10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	144.84	
<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.92	
07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations ^(07 84 13 19)		
Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.		
07 84 13 19-0049 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.97	
07 84 13 19-0050 EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.87	
07 84 13 19-0051 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.73	
07 84 13 19-0052 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.18	
07 84 13 19-0053 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	35.07	
07 84 13 19-0054 EA 2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.93	
07 84 13 19-0055 EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.73	
07 84 13 19-0056 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.53	
07 84 13 19-0057 EA 2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.11	
07 84 13 19-0058 EA 2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.02	
07 84 13 19-0059 EA 2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.87	
07 84 13 19-0060 EA 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.66	
07 84 13 19-0061 EA 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.48	
07 84 13 19-0062 EA 2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.00	
07 84 13 19-0063 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.92	
07 84 13 19-0064 EA 3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.83	
07 84 13 19-0065 EA 3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.69	
07 84 13 19-0066 EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.47	
07 84 13 19-0067 EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	52.29	
07 84 13 19-0068 EA 3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	51.81	
07 84 13 19-0069 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	51.16	
07 84 13 19-0070 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.33	
07 84 13 19-0071 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.23	
07 84 13 19-0072 EA 4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.09	
07 84 13 19-0073 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.86	
07 84 13 19-0074 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.64	
07 84 13 19-0075 EA 4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.16	
07 84 13 19-0076 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.57	
07 84 13 19-0077 EA 4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	64.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0078 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.48	
07 84 13 19-0079 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.38	
07 84 13 19-0080 EA 6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.24	
07 84 13 19-0081 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	97.04	
07 84 13 19-0082 EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.85	
07 84 13 19-0083 EA 6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	96.37	
07 84 13 19-0084 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	95.72	
07 84 13 19-0085 EA 6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	94.83	
07 84 13 19-0086 EA 6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	92.91	
07 84 13 19-0087 EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	121.37	
07 84 13 19-0088 EA 8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	120.48	
07 84 13 19-0089 EA 8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	118.56	
07 84 13 19-0090 EA 8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	113.11	
07 84 13 19-0091 EA 10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	146.10	
07 84 13 19-0092 EA 10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	140.64	
07 84 13 19-0093 EA 10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	133.43	
 07 84 16 Annular Space Firestopping Protection (07 84)		
07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003 EA 1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	40.14	
07 84 16 00-0004 EA 2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	57.32	
07 84 16 00-0005 EA 3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	59.87	
07 84 16 00-0006 EA 4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	62.42	
07 84 16 00-0007 EA 5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	64.97	
07 84 16 00-0008 EA 6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	82.14	
 07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010 EA Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	16.29	
07 84 16 00-0011 EA Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	16.91	
07 84 16 00-0012 EA Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	15.77	
07 84 16 00-0013 EA Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	16.95	
07 84 16 00-0014 EA Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	16.49	
07 84 16 00-0015 EA Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	15.84	
 07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017 EA 2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	41.32	
07 84 16 00-0018 EA 2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	44.33	
07 84 16 00-0019 EA 3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	48.03	
 07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021 EA 16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	379.89	
07 84 16 00-0022 EA 36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	533.74	
07 84 16 00-0023 EA 36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	720.83	
 07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier (07 84 16)		
Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025 SF 0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	56.79	
 07 84 16 00-0026 Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027 GAL Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	157.48	
 07 84 16 00-0028 Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029 CF Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	189.29	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 84 23 Silicone Firestopping Foams** (07 84)

07 84 23 00-0001	Silicone RTV Foam Seal For Blank Openings (07 84 23)		
	Note: Includes 7" depth of silicone foam barrier and 1" depth backer board		
07 84 23 00-0002	EA 2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	48.38	
07 84 23 00-0003	EA 4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	105.52	
07 84 23 00-0004	EA 6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	188.44	
07 84 23 00-0005	EA 8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	280.98	
07 84 23 00-0006	EA 10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	399.15	
07 84 23 00-0007	EA 12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	539.80	

07 84 43 Joint Firestopping (07 84)

07 84 43 00-0001	Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)		
07 84 43 00-0002	CLF 1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	447.92	114.79
	For Up To 6 CLF, Add	24.99	
	For >30 CLF, Deduct	-27.57	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	15.53	
07 84 43 00-0003	CLF 1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	499.74	114.79
	For Up To 4 CLF, Add	28.87	
	For >20 CLF, Deduct	-32.76	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	23.31	
07 84 43 00-0004	CLF 1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	564.26	118.61
	For Up To 3 CLF, Add	33.39	
	For >15 CLF, Deduct	-38.57	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	31.07	
07 84 43 00-0005	CLF 3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	590.16	118.61
	For Up To 2.5 CLF, Add	35.33	
	For >13 CLF, Deduct	-41.16	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	34.96	
07 84 43 00-0006	CLF 3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	667.85	118.61
	For Up To 2 CLF, Add	41.16	
	For >10 CLF, Deduct	-48.93	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	46.61	
07 84 43 00-0007	CLF 3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	745.53	118.61
	For Up To 1.5 CLF, Add	46.99	
	For >8 CLF, Deduct	-56.70	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	58.26	
07 84 43 00-0008	CLF 3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	835.98	123.71
	For Up To 1.3 CLF, Add	53.45	
	For >7 CLF, Deduct	-65.11	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	69.92	
07 84 43 00-0009	CLF 1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	784.19	123.71
	For Up To 1.4 CLF, Add	49.57	
	For >7.5 CLF, Deduct	-59.93	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	62.15	
07 84 43 00-0010	CLF 1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	900.53	127.54
	For Up To 1.15 CLF, Add	57.97	
	For >6 CLF, Deduct	-70.92	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	77.69	
07 84 43 00-0011	CLF 1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,004.11	127.54
	For Up To 1 CLF, Add	65.74	
	For >5 CLF, Deduct	-81.28	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	93.22	
07 84 43 00-0012	CLF 1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,120.45	131.37
	For Up To 0.8 CLF, Add	74.15	
	For >4.5 CLF, Deduct	-92.28	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	108.76	
07 84 43 00-0013	CLF 1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,236.79	136.47
	For Up To 0.75 CLF, Add	82.56	
	For >4 CLF, Deduct	-103.27	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	124.30	
07 84 43 00-0014	CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,353.12	140.29
	For Up To 0.65 CLF, Add	90.96	
	For >3.5 CLF, Deduct	-114.27	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	139.84	
07 84 43 00-0015	CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,702.12	153.05
	For Up To 0.5 CLF, Add	116.18	
	For >2.5 CLF, Deduct	-147.26	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	186.45	
07 84 43 00-0016	CLF 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,167.46	169.63
	For Up To 0.4 CLF, Add	149.81	
	For >2 CLF, Deduct	-191.24	
	For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	248.60	
07 84 43 00-0017	Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) (07 84 43)		
07 84 43 00-0018	CLF 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	462.34	114.79
	For Up To 6 CLF, Add	26.07	
	For >30 CLF, Deduct	-29.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0019 CLF 1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	521.34 30.49 -34.92	114.79
07 84 43 00-0020 CLF 1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	593.07 35.55 -41.45	118.61
07 84 43 00-0021 CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	622.56 37.76 -44.40	118.61
07 84 43 00-0022 CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	711.05 44.40 -53.25	118.61
07 84 43 00-0023 CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	799.54 51.04 -62.10	118.61
07 84 43 00-0024 CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	900.79 58.31 -71.59	123.71
07 84 43 00-0025 CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	841.80 53.89 -65.69	123.71
07 84 43 00-0026 CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	972.54 63.38 -78.12	127.54
07 84 43 00-0027 CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	1,090.52 72.22 -89.92	127.54
07 84 43 00-0028 CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	1,221.26 81.71 -102.36	131.37
07 84 43 00-0029 CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	1,352.00 91.20 -114.79	136.47
07 84 43 00-0030 CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	1,482.73 100.68 -127.23	140.29
07 84 43 00-0031 CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,874.95 129.14 -164.54	153.05
07 84 43 00-0032 CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	2,397.89 167.09 -214.28	169.63
07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) ^(07 84 43)		
07 84 43 00-0034 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	405.39 21.80 -23.32	114.79
07 84 43 00-0035 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	435.90 24.08 -26.37	114.79
07 84 43 00-0036 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	479.15 27.01 -30.06	118.61
07 84 43 00-0037 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	494.41 28.15 -31.59	118.61
07 84 43 00-0038 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	540.18 31.59 -36.16	118.61
07 84 43 00-0039 CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	585.95 35.02 -40.74	118.61
07 84 43 00-0040 CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	644.48 39.09 -45.96	123.71
07 84 43 00-0041 CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	613.96 36.80 -42.90	123.71
07 84 43 00-0042 CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	687.75 42.02 -49.64	127.54
07 84 43 00-0043 CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	748.78 46.59 -55.75	127.54

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0044	CLF		1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	822.55	131.37
			<i>For Up To 0.8 CLF, Add</i>	51.81	
			<i>For >4.5 CLF, Deduct</i>	-62.49	
07 84 43 00-0045	CLF		1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	896.34	136.47
			<i>For Up To 0.75 CLF, Add</i>	57.02	
			<i>For >4 CLF, Deduct</i>	-69.23	
07 84 43 00-0046	CLF		3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	970.11	140.29
			<i>For Up To 0.65 CLF, Add</i>	62.24	
			<i>For >3.5 CLF, Deduct</i>	-75.97	
07 84 43 00-0047	CLF		3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,191.45	153.05
			<i>For Up To 0.5 CLF, Add</i>	77.88	
			<i>For >2.5 CLF, Deduct</i>	-96.19	
07 84 43 00-0048	CLF		1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,486.57	169.63
			<i>For Up To 0.4 CLF, Add</i>	98.74	
			<i>For >2 CLF, Deduct</i>	-123.15	

07 84 56 Fire Safing (07 84)**07 84 56 13 Fibrous Fire Safing (07 84 56)****07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)**

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF		1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	11.69	
			<i>For Work In Restricted Working Space, Add</i>	1.55	
07 84 56 13-0003	SF		1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	18.74	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.55	
07 84 56 13-0004	SF		2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	20.44	
			Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
			<i>For Work In Restricted Working Space, Add</i>	1.55	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006	SF		1/2" Thermal Ceramics FireMaster Blanket Wrap.....	21.93	12.97
			<i>For Work In Restricted Working Space, Add</i>	5.21	
			<i>For >500 To 5,000, Deduct</i>	-1.92	
			<i>For >5,000, Deduct</i>	-3.42	
07 84 56 13-0007	SF		1" Thermal Ceramics FireMaster Blanket Wrap.....	25.69	12.97
			<i>For Work In Restricted Working Space, Add</i>	5.21	
			<i>For >500 To 5,000, Deduct</i>	-2.78	
			<i>For >5,000, Deduct</i>	-4.81	
07 84 56 13-0008	SF		1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	29.82	12.97
			<i>For Work In Restricted Working Space, Add</i>	5.21	
			<i>For >500 To 5,000, Deduct</i>	-3.73	
			<i>For >5,000, Deduct</i>	-6.34	
07 84 56 13-0009	SF		2" Thermal Ceramics FireMaster Blanket Wrap.....	33.95	12.97
			<i>For Work In Restricted Working Space, Add</i>	5.21	
			<i>For >500 To 5,000, Deduct</i>	-4.68	
			<i>For >5,000, Deduct</i>	-7.87	

07 90 Joint Protection (07)**07 91 Preformed Joint Seals (07 91)****07 91 23 Backer Rods (07 91)****07 91 23 00-0001 Backer Rods (07 91 23)**

07 91 23 00-0002	LF		1/4" Polyethylene Or Polyurethane Backer Rod.....	2.43	0.66
07 91 23 00-0003	LF		3/8" Polyethylene Or Polyurethane Backer Rod.....	2.62	0.66
07 91 23 00-0004	LF		1/2" Polyethylene Or Polyurethane Backer Rod.....	2.92	0.66
07 91 23 00-0005	LF		5/8" Polyethylene Or Polyurethane Backer Rod.....	3.43	0.66
07 91 23 00-0006	LF		3/4" Polyethylene Or Polyurethane Backer Rod.....	3.58	0.79
07 91 23 00-0007	LF		7/8" Polyethylene Or Polyurethane Backer Rod.....	4.00	0.79
07 91 23 00-0008	LF		1" Polyethylene Or Polyurethane Backer Rod.....	5.12	0.79
07 91 23 00-0009	LF		1-1/4" Polyethylene Or Polyurethane Backer Rod.....	6.19	0.92
07 91 23 00-0010	LF		1-1/2" Polyethylene Or Polyurethane Backer Rod.....	7.37	1.06
07 91 23 00-0011	LF		2" Polyethylene Or Polyurethane Backer Rod.....	10.18	1.19
07 91 23 00-0012	LF		3" Polyethylene Or Polyurethane Backer Rod.....	21.25	1.46

07 91 26 Joint Fillers (07 91)**07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)**

07 91 26 00-0002	LF		1/4" x 1/4" Butyl Rubber Filler.....	3.02	0.79
			<i>For Custom Match Coloring, Add</i>	0.05	
07 91 26 00-0003	LF		1/2" x 1/2" Butyl Rubber Filler.....	9.10	2.25
			<i>For Custom Match Coloring, Add</i>	0.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0004 LF 1/2" x 3/4" Butyl Rubber Filler..... <i>For Custom Match Coloring, Add</i>	11.01 0.33	2.38
07 91 26 00-0005 LF 3/4" x 3/4" Butyl Rubber Filler.....	11.99	2.51
07 91 26 00-0006 LF 1" x 1" Butyl Rubber Filler.....	16.07	4.63
07 91 26 00-0007 Closed Cell Neoprene (07 91 26)		
07 91 26 00-0008 CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	522.29	152.67
07 91 26 00-0009 CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	815.82	220.53
07 91 26 00-0010 CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	663.20	189.04
07 91 26 00-0011 CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	746.81	198.44
07 91 26 00-0012 CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	1,141.05	305.32
07 91 26 00-0013 CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	1,289.64	330.73
07 91 26 00-0014 CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	1,113.52	240.50
07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)		
07 91 26 00-0016 CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell.....	534.11	189.04
07 91 26 00-0017 CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell.....	886.73	305.32
07 91 26 00-0018 CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell.....	693.40	260.61
07 91 26 00-0019 CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	821.66	275.16
07 91 26 00-0020 CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	1,252.01	422.00
07 91 26 00-0021 CLF 1/2" x 9" Polyethylene Joint Backing, Closed Cell.....	1,453.78	457.99
07 91 26 00-0022 CLF 1/2" x 12" Polyethylene Joint Backing, Closed Cell.....	1,906.17	549.00
07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)		
07 91 26 00-0024 CLF 1/4" x 1/2" Silicon RTV Foam Seal.....	172.06	30.29
07 91 26 00-0025 CLF 1/2" x 1/2" Silicon RTV Foam Seal.....	344.13	60.46
07 91 26 00-0026 CLF 1/2" x 3/4" Silicon RTV Foam Seal.....	512.78	89.82
07 91 26 00-0027 CLF 3/4" x 3/4" Silicon RTV Foam Seal.....	723.92	121.05
07 91 26 00-0028 CLF 1/8" x 1" Silicon RTV Foam Seal.....	172.06	30.29
07 91 26 00-0029 CLF 1/8" x 3" Silicon RTV Foam Seal.....	512.24	89.56
07 91 26 00-0030 CLF 1/4" x 3" Silicon RTV Foam Seal.....	875.58	134.54
07 91 26 00-0031 CLF 1/4" x 6" Silicon RTV Foam Seal.....	1,748.79	268.15
07 91 26 00-0032 CLF 1/2" x 6" Silicon RTV Foam Seal.....	3,315.33	484.05
07 91 26 00-0033 CLF 1/2" x 9" Silicon RTV Foam Seal.....	5,070.31	756.17
07 91 26 00-0034 CLF 1/2" x 12" Silicon RTV Foam Seal.....	7,452.93	1,209.92
07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036 LF 1/4" Seals O-Ring Cord, J-Seal.....	5.66	1.72
07 91 26 00-0037 LF 1/2" Seals O-Ring Cord, J-Seal.....	5.99	1.72
07 91 26 00-0038 LF 3/4" Seals O-Ring Cord, J-Seal.....	6.28	1.86
07 91 26 00-0039 LF 1" Seals O-Ring Cord, J-Seal.....	6.61	1.99
07 91 26 00-0040 LF 1-1/4" Seals O-Ring Cord, J-Seal.....	7.06	2.13
07 91 26 00-0041 LF 1-1/2" Seals O-Ring Cord, J-Seal.....	7.37	2.13
07 91 26 00-0042 LF 1-3/4" Seals O-Ring Cord, J-Seal.....	7.76	2.26
07 91 26 00-0043 LF 2" Seals O-Ring Cord, J-Seal.....	7.99	2.26
07 91 33 Expansion Joint Seal Systems (07 91)		
07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)		
07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)		
<i>Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.</i>		
07 91 33 00-0003 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH).....	96.04	8.09
07 91 33 00-0004 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH).....	128.64	8.48
07 91 33 00-0005 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	163.04	8.86
07 91 33 00-0006 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	201.31	9.25
07 91 33 00-0007 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	261.33	9.63
07 91 33 00-0008 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	300.24	10.02
07 91 33 00-0009 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	348.51	10.40
07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
<i>Note: Includes preformed neoprene joint seal and lubricant adhesive.</i>		
07 91 33 00-0011 LF 0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	48.80	8.09
07 91 33 00-0012 LF 0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	53.33	8.21

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Prefomed Joint Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	64.59	8.32
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	68.57	8.48
07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	73.31	8.59
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	90.02	8.71
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	111.20	8.86
07 91 33 00-0018	LF		1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	131.63	9.25
07 91 33 00-0019	LF		1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	149.09	9.63
07 91 33 00-0020			Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001) Note: Includes prefomed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF		0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	40.75	8.09
07 91 33 00-0022	LF		0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	53.13	8.48
07 91 33 00-0023	LF		1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	65.30	8.86
07 91 33 00-0024	LF		1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	68.98	9.06
07 91 33 00-0025	LF		1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	76.59	9.25
07 91 33 00-0026	LF		1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	110.15	9.63
07 91 33 00-0027	LF		1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	151.67	10.02
07 91 33 00-0028			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001) Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	35.57	3.22
07 91 33 00-0030	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	59.75	3.34
07 91 33 00-0031	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	90.04	3.47
07 91 33 00-0032	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	113.57	3.59
07 91 33 00-0033	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	149.50	3.72
07 91 33 00-0034	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	197.83	3.86
07 91 33 00-0035	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	242.69	3.98
07 91 33 00-0036	LF		2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	327.35	4.11
07 91 33 00-0037	LF		3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	382.21	4.24
07 91 33 00-0038			Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001) Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039	LF		0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	34.70	3.22
07 91 33 00-0040	LF		1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	45.83	3.34
07 91 33 00-0041	LF		1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	61.54	3.47
07 91 33 00-0042	LF		1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	83.55	3.59
07 91 33 00-0043	LF		2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	95.34	3.72
07 91 33 00-0044	LF		2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	132.35	3.86
07 91 33 00-0045	LF		3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	177.87	3.98
07 91 33 00-0046	LF		3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Prefomed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	192.04	4.11

07 92 Joint Sealants (07 90)**07 92 13 Elastomeric Joint Sealants** (07 92)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0001 Silicone Sealant And Caulking <small>(07 92 13)</small>		
07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking	402.83	114.79
For Custom Match Coloring, Add	14.03	
For Up To 6 CLF, Add	21.60	
For >30 CLF, Deduct	-23.07	
For 1 Part Mildew Resistant, Add	20.46	
For High-Modulus Non-Acid Curing, Add	11.69	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking	432.06	114.79
For Custom Match Coloring, Add	21.05	
For Up To 4 CLF, Add	23.80	
For >20 CLF, Deduct	-25.99	
For 1 Part Mildew Resistant, Add	30.70	
For High-Modulus Non-Acid Curing, Add	17.54	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking	474.04	118.61
For Custom Match Coloring, Add	28.07	
For Up To 3 CLF, Add	26.63	
For >15 CLF, Deduct	-29.55	
For 1 Part Mildew Resistant, Add	40.93	
For High-Modulus Non-Acid Curing, Add	23.39	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking	488.65	118.61
For Custom Match Coloring, Add	31.57	
For Up To 2.5 CLF, Add	27.72	
For >13 CLF, Deduct	-31.01	
For 1 Part Mildew Resistant, Add	46.04	
For High-Modulus Non-Acid Curing, Add	26.31	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking	532.50	118.61
For Custom Match Coloring, Add	42.10	
For Up To 2 CLF, Add	31.01	
For >10 CLF, Deduct	-35.40	
For 1 Part Mildew Resistant, Add	61.39	
For High-Modulus Non-Acid Curing, Add	35.08	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking	576.36	118.61
For Custom Match Coloring, Add	52.62	
For Up To 1.5 CLF, Add	34.30	
For >8 CLF, Deduct	-39.78	
For 1 Part Mildew Resistant, Add	76.74	
For High-Modulus Non-Acid Curing, Add	43.85	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking	632.97	123.71
For Custom Match Coloring, Add	63.15	
For Up To 1.3 CLF, Add	38.23	
For >7 CLF, Deduct	-44.80	
For 1 Part Mildew Resistant, Add	92.09	
For High-Modulus Non-Acid Curing, Add	52.62	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking	603.73	123.71
For Custom Match Coloring, Add	56.13	
For Up To 1.4 CLF, Add	36.03	
For >7.5 CLF, Deduct	-41.88	
For 1 Part Mildew Resistant, Add	81.85	
For High-Modulus Non-Acid Curing, Add	46.77	
07 92 13 00-0010 CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking	674.96	127.54
For Custom Match Coloring, Add	70.16	
For Up To 1.15 CLF, Add	41.06	
For >6 CLF, Deduct	-48.37	
For 1 Part Mildew Resistant, Add	102.32	
For High-Modulus Non-Acid Curing, Add	58.47	
07 92 13 00-0011 CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking	733.43	127.54
For Custom Match Coloring, Add	84.19	
For Up To 1 CLF, Add	45.44	
For >5 CLF, Deduct	-54.21	
For 1 Part Mildew Resistant, Add	122.78	
For High-Modulus Non-Acid Curing, Add	70.16	
07 92 13 00-0012 CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking	804.65	131.37
For Custom Match Coloring, Add	98.23	
For Up To 0.8 CLF, Add	50.46	
For >4.5 CLF, Deduct	-60.70	
For 1 Part Mildew Resistant, Add	143.25	
For High-Modulus Non-Acid Curing, Add	81.86	
07 92 13 00-0013 CLF 1/2" x 1" Joint, Silicone Sealant And Caulking	875.88	136.47
For Custom Match Coloring, Add	112.26	
For Up To 0.75 CLF, Add	55.49	
For >4 CLF, Deduct	-67.18	
For 1 Part Mildew Resistant, Add	163.71	
For High-Modulus Non-Acid Curing, Add	93.55	
07 92 13 00-0014 CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking	947.09	140.29
For Custom Match Coloring, Add	126.29	
For Up To 0.65 CLF, Add	60.51	
For >3.5 CLF, Deduct	-73.67	
For 1 Part Mildew Resistant, Add	184.17	
For High-Modulus Non-Acid Curing, Add	105.24	
07 92 13 00-0015 CLF 3/4" x 1" Joint, Silicone Sealant And Caulking	1,160.76	153.05
For Custom Match Coloring, Add	168.39	
For Up To 0.5 CLF, Add	75.58	
For >2.5 CLF, Deduct	-93.12	
For 1 Part Mildew Resistant, Add	245.57	
For High-Modulus Non-Acid Curing, Add	140.32	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0016	CLF		1" x 1" Joint, Silicone Sealant And Caulking	1,445.64	169.63
			<i>For Custom Match Coloring, Add</i>	224.52	
			<i>For Up To 0.4 CLF, Add</i>	95.67	
			<i>For >2 CLF, Deduct</i>	-119.06	
			<i>For 1 Part Mildew Resistant, Add</i>	327.42	
			<i>For High-Modulus Non-Acid Curing, Add</i>	187.10	
07 92 13 00-0017	Acrylic/Latex Sealant And Caulking <small>(07 92 13)</small>				
07 92 13 00-0018	CLF		1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	364.87	114.79
			<i>For Up To 6 CLF, Add</i>	18.76	
			<i>For >30 CLF, Deduct</i>	-19.27	
07 92 13 00-0019	CLF		1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	375.13	114.79
			<i>For Up To 4 CLF, Add</i>	19.53	
			<i>For >20 CLF, Deduct</i>	-20.30	
07 92 13 00-0020	CLF		1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	398.13	118.61
			<i>For Up To 3 CLF, Add</i>	20.93	
			<i>For >15 CLF, Deduct</i>	-21.96	
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	403.25	118.61
			<i>For Up To 2.5 CLF, Add</i>	21.32	
			<i>For >13 CLF, Deduct</i>	-22.47	
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	418.64	118.61
			<i>For Up To 2 CLF, Add</i>	22.47	
			<i>For >10 CLF, Deduct</i>	-24.01	
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	434.02	118.61
			<i>For Up To 1.5 CLF, Add</i>	23.62	
			<i>For >8 CLF, Deduct</i>	-25.55	
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	462.17	123.71
			<i>For Up To 1.3 CLF, Add</i>	25.42	
			<i>For >7 CLF, Deduct</i>	-27.72	
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	451.91	123.71
			<i>For Up To 1.4 CLF, Add</i>	24.65	
			<i>For >7.5 CLF, Deduct</i>	-26.70	
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	485.18	127.54
			<i>For Up To 1.15 CLF, Add</i>	26.82	
			<i>For >6 CLF, Deduct</i>	-29.39	
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	505.70	127.54
			<i>For Up To 1 CLF, Add</i>	28.36	
			<i>For >5 CLF, Deduct</i>	-31.44	
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	538.96	131.37
			<i>For Up To 0.8 CLF, Add</i>	30.54	
			<i>For >4.5 CLF, Deduct</i>	-34.13	
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	572.23	136.47
			<i>For Up To 0.75 CLF, Add</i>	32.71	
			<i>For >4 CLF, Deduct</i>	-36.82	
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	605.49	140.29
			<i>For Up To 0.65 CLF, Add</i>	34.89	
			<i>For >3.5 CLF, Deduct</i>	-39.51	
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	705.29	153.05
			<i>For Up To 0.5 CLF, Add</i>	41.42	
			<i>For >2.5 CLF, Deduct</i>	-47.57	
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking	838.35	169.63
			<i>For Up To 0.4 CLF, Add</i>	50.12	
			<i>For >2 CLF, Deduct</i>	-58.33	
07 92 13 00-0033	Polyurethane Sealant And Caulking <small>(07 92 13)</small>				
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking.....	389.20	114.79
			<i>For Up To 6 CLF, Add</i>	20.58	
			<i>For >30 CLF, Deduct</i>	-21.70	
07 92 13 00-0035	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking.....	411.63	114.79
			<i>For Up To 4 CLF, Add</i>	22.26	
			<i>For >20 CLF, Deduct</i>	-23.95	
07 92 13 00-0036	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking.....	446.79	118.61
			<i>For Up To 3 CLF, Add</i>	24.58	
			<i>For >15 CLF, Deduct</i>	-26.82	
07 92 13 00-0037	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking.....	458.00	118.61
			<i>For Up To 2.5 CLF, Add</i>	25.42	
			<i>For >13 CLF, Deduct</i>	-27.95	
07 92 13 00-0038	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking.....	491.63	118.61
			<i>For Up To 2 CLF, Add</i>	27.94	
			<i>For >10 CLF, Deduct</i>	-31.31	
07 92 13 00-0039	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking.....	525.26	118.61
			<i>For Up To 1.5 CLF, Add</i>	30.47	
			<i>For >8 CLF, Deduct</i>	-34.67	
07 92 13 00-0040	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking.....	571.65	123.71
			<i>For Up To 1.3 CLF, Add</i>	33.63	
			<i>For >7 CLF, Deduct</i>	-38.67	
07 92 13 00-0041	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking.....	549.23	123.71
			<i>For Up To 1.4 CLF, Add</i>	31.95	
			<i>For >7.5 CLF, Deduct</i>	-36.43	
07 92 13 00-0042	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking.....	606.84	127.54
			<i>For Up To 1.15 CLF, Add</i>	35.95	
			<i>For >6 CLF, Deduct</i>	-41.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0043 CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	651.68	127.54
<i>For Up To 1 CLF, Add</i>	39.31	
<i>For >5 CLF, Deduct</i>	-46.04	
07 92 13 00-0044 CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	709.27	131.37
<i>For Up To 0.8 CLF, Add</i>	43.31	
<i>For >4.5 CLF, Deduct</i>	-51.16	
07 92 13 00-0045 CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking	766.88	136.47
<i>For Up To 0.75 CLF, Add</i>	47.31	
<i>For >4 CLF, Deduct</i>	-56.28	
07 92 13 00-0046 CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	824.47	140.29
<i>For Up To 0.65 CLF, Add</i>	51.31	
<i>For >3.5 CLF, Deduct</i>	-61.40	
07 92 13 00-0047 CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking	997.26	153.05
<i>For Up To 0.5 CLF, Add</i>	63.32	
<i>For >2.5 CLF, Deduct</i>	-76.77	
07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)		
Note: 1 or 2 part, non-sag.		
07 92 13 00-0049 CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	393.46	114.79
<i>For Up To 6 CLF, Add</i>	20.90	
<i>For >30 CLF, Deduct</i>	-22.13	
07 92 13 00-0050 CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	418.03	114.79
<i>For Up To 4 CLF, Add</i>	22.74	
<i>For >20 CLF, Deduct</i>	-24.59	
07 92 13 00-0051 CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	455.32	118.61
<i>For Up To 3 CLF, Add</i>	25.22	
<i>For >15 CLF, Deduct</i>	-27.68	
07 92 13 00-0052 CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	467.59	118.61
<i>For Up To 2.5 CLF, Add</i>	26.14	
<i>For >13 CLF, Deduct</i>	-28.90	
07 92 13 00-0053 CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	504.44	118.61
<i>For Up To 2 CLF, Add</i>	28.91	
<i>For >10 CLF, Deduct</i>	-32.59	
07 92 13 00-0054 CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	541.26	118.61
<i>For Up To 1.5 CLF, Add</i>	31.67	
<i>For >8 CLF, Deduct</i>	-36.27	
07 92 13 00-0055 CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	590.85	123.71
<i>For Up To 1.3 CLF, Add</i>	35.07	
<i>For >7 CLF, Deduct</i>	-40.59	
07 92 13 00-0056 CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	566.30	123.71
<i>For Up To 1.4 CLF, Add</i>	33.23	
<i>For >7.5 CLF, Deduct</i>	-38.14	
07 92 13 00-0057 CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	628.18	127.54
<i>For Up To 1.15 CLF, Add</i>	37.55	
<i>For >6 CLF, Deduct</i>	-43.69	
07 92 13 00-0058 CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	677.28	127.54
<i>For Up To 1 CLF, Add</i>	41.23	
<i>For >5 CLF, Deduct</i>	-48.60	
07 92 13 00-0059 CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	739.15	131.37
<i>For Up To 0.8 CLF, Add</i>	45.55	
<i>For >4.5 CLF, Deduct</i>	-54.15	
07 92 13 00-0060 CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking	801.01	136.47
<i>For Up To 0.75 CLF, Add</i>	49.87	
<i>For >4 CLF, Deduct</i>	-59.69	
07 92 13 00-0061 CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	862.88	140.29
<i>For Up To 0.65 CLF, Add</i>	54.19	
<i>For >3.5 CLF, Deduct</i>	-65.24	
07 92 13 00-0062 CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking	1,048.45	153.05
<i>For Up To 0.5 CLF, Add</i>	67.16	
<i>For >2.5 CLF, Deduct</i>	-81.89	
07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking (07 92 13)		
Note: 1 or 2 part, non-sag.		
07 92 13 00-0064 CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	403.88	114.79
<i>For Up To 6 CLF, Add</i>	21.68	
<i>For >30 CLF, Deduct</i>	-23.17	
07 92 13 00-0065 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	433.64	114.79
<i>For Up To 4 CLF, Add</i>	23.91	
<i>For >20 CLF, Deduct</i>	-26.15	
07 92 13 00-0066 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	476.13	118.61
<i>For Up To 3 CLF, Add</i>	26.78	
<i>For >15 CLF, Deduct</i>	-29.76	
07 92 13 00-0067 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	491.01	118.61
<i>For Up To 2.5 CLF, Add</i>	27.90	
<i>For >13 CLF, Deduct</i>	-31.25	
07 92 13 00-0068 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	535.65	118.61
<i>For Up To 2 CLF, Add</i>	31.25	
<i>For >10 CLF, Deduct</i>	-35.71	
07 92 13 00-0069 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	580.29	118.61
<i>For Up To 1.5 CLF, Add</i>	34.59	
<i>For >8 CLF, Deduct</i>	-40.17	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0070	CLF		3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	637.68	123.71
			<i>For Up To 1.3 CLF, Add</i>	38.58	
			<i>For >7 CLF, Deduct</i>	-45.28	
07 92 13 00-0071	CLF		1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	607.93	123.71
			<i>For Up To 1.4 CLF, Add</i>	36.35	
			<i>For >7.5 CLF, Deduct</i>	-42.30	
07 92 13 00-0072	CLF		1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	680.20	127.54
			<i>For Up To 1.15 CLF, Add</i>	41.45	
			<i>For >6 CLF, Deduct</i>	-48.89	
07 92 13 00-0073	CLF		1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	739.72	127.54
			<i>For Up To 1 CLF, Add</i>	45.91	
			<i>For >5 CLF, Deduct</i>	-54.84	
07 92 13 00-0074	CLF		1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	811.98	131.37
			<i>For Up To 0.8 CLF, Add</i>	51.01	
			<i>For >4.5 CLF, Deduct</i>	-61.43	
07 92 13 00-0075	CLF		1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	884.26	136.47
			<i>For Up To 0.75 CLF, Add</i>	56.12	
			<i>For >4 CLF, Deduct</i>	-68.02	
07 92 13 00-0076	CLF		3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	956.53	140.29
			<i>For Up To 0.65 CLF, Add</i>	61.22	
			<i>For >3.5 CLF, Deduct</i>	-74.61	
07 92 13 00-0077	CLF		3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,173.34	153.05
			<i>For Up To 0.5 CLF, Add</i>	76.52	
			<i>For >2.5 CLF, Deduct</i>	-94.38	

07 92 19 Acoustical Joint Sealants (07 92)**07 92 19 00-0001 Acoustical Sealant (07 92 19)**

07 92 19 00-0002	CLF		1/4" x 1/4" Joint, Acoustical Sealant.....	395.45	114.79
			<i>For Custom Match Coloring, Add</i>	12.26	
			<i>For Up To 6 CLF, Add</i>	21.05	
			<i>For >30 CLF, Deduct</i>	-22.33	
			<i>For 1 Part Mildew Resistant, Add</i>	17.88	
			<i>For High-Modulus Non-Acid Curing, Add</i>	10.22	
07 92 19 00-0003	CLF		1/4" x 3/8" Joint, Acoustical Sealant.....	414.86	114.79
			<i>For Custom Match Coloring, Add</i>	16.92	
			<i>For Up To 4 CLF, Add</i>	22.51	
			<i>For >20 CLF, Deduct</i>	-24.27	
			<i>For 1 Part Mildew Resistant, Add</i>	24.68	
			<i>For High-Modulus Non-Acid Curing, Add</i>	14.10	
07 92 19 00-0004	CLF		1/4" x 1/2" Joint, Acoustical Sealant.....	439.04	118.61
			<i>For Custom Match Coloring, Add</i>	19.67	
			<i>For Up To 3 CLF, Add</i>	24.00	
			<i>For >15 CLF, Deduct</i>	-26.05	
			<i>For 1 Part Mildew Resistant, Add</i>	28.68	
			<i>For High-Modulus Non-Acid Curing, Add</i>	16.39	
07 92 19 00-0005	CLF		3/8" x 3/8" Joint, Acoustical Sealant.....	470.79	118.61
			<i>For Custom Match Coloring, Add</i>	27.29	
			<i>For Up To 2.5 CLF, Add</i>	26.38	
			<i>For >13 CLF, Deduct</i>	-29.22	
			<i>For 1 Part Mildew Resistant, Add</i>	39.79	
			<i>For High-Modulus Non-Acid Curing, Add</i>	22.74	
07 92 19 00-0006	CLF		3/8" x 1/2" Joint, Acoustical Sealant.....	503.79	118.61
			<i>For Custom Match Coloring, Add</i>	35.21	
			<i>For Up To 2 CLF, Add</i>	28.86	
			<i>For >10 CLF, Deduct</i>	-32.52	
			<i>For 1 Part Mildew Resistant, Add</i>	51.34	
			<i>For High-Modulus Non-Acid Curing, Add</i>	29.34	
07 92 19 00-0007	CLF		1/2" x 1/2" Joint, Acoustical Sealant.....	576.56	123.71
			<i>For Custom Match Coloring, Add</i>	49.61	
			<i>For Up To 1.4 CLF, Add</i>	34.00	
			<i>For >7.5 CLF, Deduct</i>	-39.16	
			<i>For 1 Part Mildew Resistant, Add</i>	72.35	
			<i>For High-Modulus Non-Acid Curing, Add</i>	41.34	

07 95 Expansion Control (07 90)**07 95 13 Expansion Joint Cover Assemblies (07 95)**

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 13-0001			Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)		
07 95 13 13-0002			With 1" Space (07 95 13 13-0001)		
07 95 13 13-0003	LF		1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	76.88	6.52
07 95 13 13-0004	LF		1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	63.61	6.52
07 95 13 13-0005	LF		1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	95.23	6.52
07 95 13 13-0006			With 2" Space (07 95 13 13-0001)		
07 95 13 13-0007	LF		2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	103.84	6.52
07 95 13 13-0008	LF		2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	77.16	6.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 13-0009 LF 2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover.....	131.38	6.52
07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)		
07 95 13 13-0011 With 1" Space (07 95 13 13-0010)		
07 95 13 13-0012 LF 1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	55.58	6.52
07 95 13 13-0013 LF 1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	55.73	6.52
07 95 13 13-0014 LF 1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	82.83	6.52
07 95 13 13-0015 With 2" Space (07 95 13 13-0010)		
07 95 13 13-0016 LF 2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	71.76	6.52
07 95 13 13-0017 LF 2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	62.50	6.52
07 95 13 13-0018 LF 2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	100.90	6.52
07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)		
07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)		
07 95 13 16-0002 Roof To Roof (07 95 13 16-0001)		
07 95 13 16-0003 LF 1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	106.16	4.35
07 95 13 16-0004 LF 2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	128.86	4.35
07 95 13 16-0005 LF 3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	144.49	4.35
07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)		
07 95 13 16-0007 LF 1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	77.68	4.35
07 95 13 16-0008 LF 2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	105.46	4.35
07 95 13 16-0009 Flat Wall To Wall (07 95 13 16-0001)		
07 95 13 16-0010 LF 1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	57.01	4.35
07 95 13 16-0011 LF 2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	73.68	4.35
07 95 13 16-0012 LF 3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	93.80	4.35
07 95 13 16-0013 Corner To Flat Wall (07 95 13 16-0001)		
07 95 13 16-0014 LF 1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	53.11	4.35
07 95 13 16-0015 LF 2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	64.22	4.35
07 95 13 16-0016 LF 3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	95.45	4.35

END OF SECTION 07

07	07 Thermal And Moisture Protection
	07 90 Joint Protection
	07 95 Expansion Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Openings	08	08
Operation and Maintenance of Openings	08 01	
Operation and Maintenance of Doors and Frames	08 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 01 Operation and Maintenance of Openings ⁽⁰⁸⁾

08 01 10 Operation and Maintenance of Doors and Frames ^(08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames ^(08 01 10)

08 01 11 61 Metal Doors and Frames Repair ^(08 01 11)

08 01 11 61-0001		Hollow Metal Door Repair ^(08 01 11 61)	
		Note: Repairs are based on holes or damage of less than 1/2 of a square foot.	
08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	22.53
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes.....	45.24
		Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors.....	54.48

08 01 50 Operation and Maintenance of Windows ^(08 01)

08 01 52 Operation and Maintenance of Wood Windows ^(08 01 50)

08 01 52 61 Wood Window Repairs ^(08 01 52)

08 01 52 61-0001		Window Restoration And Replacement ^(08 01 52 61)	
08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	14.10
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	39.35
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	45.31
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	27.31
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	24.80
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	31.00
		Note: Channel, spiral or coil balance.	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	94.80
		Note: Channel, spiral or coil balance.	
		For Replacing Two Balances In One Window, Deduct	-35.22

08 01 80 Maintenance of Glazing ^(08 01)

08 01 81 Maintenance of Glass Glazing ^(08 01 80)

08 01 81 10 Maintenance of Glass Glazing ^(08 01 81)

08 01 81 10-0001		Glazing Compound Repair ^(08 01 81 10)	
08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing (For Glazing Compound Repair)	9.66

08 05 Common Work Results for Openings ⁽⁰⁸⁾

08 05 13 Door Options and Modifications ^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001		Door Vision Panels (Pemko LT-S1) ^(08 05 13)	
		Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.	
08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	146.78
		For 9/16" To 1-1/16" Glazing Pocket, Add	73.39
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	185.80
		For 9/16" To 1-1/16" Glazing Pocket, Add	92.90
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	215.53
		For 9/16" To 1-1/16" Glazing Pocket, Add	107.77
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	274.98
		For 9/16" To 1-1/16" Glazing Pocket, Add	137.49
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	356.73
		For 9/16" To 1-1/16" Glazing Pocket, Add	178.37
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	455.21
		For 9/16" To 1-1/16" Glazing Pocket, Add	227.61
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	483.08
		For 9/16" To 1-1/16" Glazing Pocket, Add	241.54
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	261.05
		For 9/16" To 1-1/16" Glazing Pocket, Add	66.72

08 Openings**08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0010	EA		For >1 To 2 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	309.28	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	84.46	
08 05 13 00-0011	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	349.06	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	97.97	
08 05 13 00-0012	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	415.87	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	124.99	
08 05 13 00-0013	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	502.95	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	162.15	
08 05 13 00-0014	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	605.23	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	206.91	
08 05 13 00-0015	EA		For >10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	643.34	
			<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	219.58	
08 05 13 00-0016			Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) <small>(08 05 13)</small>		
			Note: Factory primed or powder coated.		
08 05 13 00-0017	EA		For Up To 1 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	139.96	
08 05 13 00-0018	EA		For >1 To 2 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	158.99	
08 05 13 00-0019	EA		For >2 To 4 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	216.09	
08 05 13 00-0020	EA		For >4 To 6 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	402.96	
08 05 13 00-0021	EA		For >6 To 8 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	498.32	
08 05 13 00-0022	EA		For >8 To 10 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	595.22	
08 05 13 00-0023	EA		For >10 To 14 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	776.71	
08 05 13 00-0024	EA		For >14 To 18 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	914.30	
			<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	109.72	
08 05 13 00-0025	EA		For Up To 1 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	235.66	
08 05 13 00-0026	EA		For >1 To 2 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	264.27	
08 05 13 00-0027	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	330.94	
08 05 13 00-0028	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	527.37	
08 05 13 00-0029	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	632.31	
08 05 13 00-0030	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	738.78	
08 05 13 00-0031	EA		For >10 To 14 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	929.84	
08 05 13 00-0032	EA		For >14 To 18 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add.....	1,073.81	
			<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	109.72	
08 05 13 00-0033			Fire Rated Fusible Link Louvers (Pemko LV-FL) <small>(08 05 13)</small>		
			Note: Factory primed or powder coated.		
08 05 13 00-0034	EA		For Up To 1 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	283.42	
08 05 13 00-0035	EA		For >1 To 2 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	324.32	
08 05 13 00-0036	EA		For >2 To 4 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	380.94	
08 05 13 00-0037	EA		For Up To 1 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	398.27	
08 05 13 00-0038	EA		For >1 To 2 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	451.93	
08 05 13 00-0039	EA		For >2 To 4 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add.....	518.76	
08 05 13 00-0040			Door Hardware Preparation <small>(08 05 13)</small>		
08 05 13 00-0041	EA		Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....	95.65	
08 05 13 00-0042	EA		Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	235.93	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0043	EA		Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....	108.41	
08 05 13 00-0044	EA		Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware.....	191.32	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0045	EA		Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware.....	31.88	
08 05 13 00-0046	EA		Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	350.77	
			Note: Requires door to be taken off site for UL certification.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0047 EA Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	223.19	
08 05 13 00-0048 EA Prepare Existing Wood Door (Rated) For Electric Hardware..... Note: Requires door to be taken off site for UL certification.	235.93	
08 05 13 00-0049 EA Prepare Existing Door (Non-Rated) For Electric Hardware	108.41	
08 05 13 00-0050 Door Modifications <small>(08 05 13)</small>		
08 05 13 00-0051 EA Factory Installed Sound Proofing (STC 28) In Metal Door.....	123.92	
08 05 13 00-0052 SF For 16 Gauge Steel Metal Plate Bolted On Door	27.00	
<small>Note: Includes mounting hardware.</small>		
08 05 13 00-0053 EA Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	114.85	
<small>Note: Excludes removal and reinstallation of door.</small>		
08 05 13 00-0054 EA Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	57.79	
<small>Note: Excludes removal and reinstallation of door.</small>		
08 05 13 00-0055 EA Modify Metal Door Frame For Door Swing	1,414.76	
<small>Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.</small>		
08 05 13 00-0056 EA Removal And Reinstallation Of Door	108.47	
08 05 13 00-0057 EA Removal And Reinstallation Of Metal Door Frame	212.68	
08 05 13 00-0058 EA Removal And Reinstallation Of Wood Door Frame.....	128.43	
08 05 13 00-0059 EA Factory Trim Wood Door Edge For Custom Width	83.48	

08 10 Doors and Frames (08)

08 11 Metal Doors and Frames (08 10)

08 11 63 Metal Screen and Storm Doors and Frames (08 11)

08 11 63 13 Steel Screen and Storm Doors and Frames (08 11 63)

08 11 63 13-0001 Steel Screen Door (08 11 63 13)

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002 EA 2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	944.86	175.47
08 11 63 13-0003 EA 3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware.....	957.67	181.84
08 11 63 13-0004 EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	1,454.12	181.84

08 11 63 23 Aluminum Screen and Storm Doors and Frames (08 11 63)

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,135.47	102.08
<small>For Special Finished, Add 105.63</small>		
08 11 63 23-0003 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,194.84	102.08
08 11 63 23-0004 EA Aluminum Screen Door.....	329.31	63.77
08 11 63 23-0005 SF Repair Screen Door.....	14.22	

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link (08 11 73)

Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002 EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,493.90	543.75
08 11 73 00-0003 EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,795.03	543.75
08 11 73 00-0004 EA 4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,299.54	543.75
08 11 73 00-0005 EA 5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,847.63	543.75

08 12 Metal Frames (08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 12 13 13-0003 EA 2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	611.86	95.70
<small>For Auxiliary Frame Reinforcement For Hinges, Add 63.07</small>		
<small>For Welded Frames, Add 245.10</small>		
<small>For Galvanized Frames, Add 50.45</small>		
<small>For Type 304 Stainless Steel Frame, Add 766.38</small>		
<small>For Type 316 Stainless Steel Frame, Add 892.52</small>		
<small>For Baked Enamel Finish, Add 154.85</small>		
<small>For 18 Gauge Frame, Deduct -42.05</small>		
<small>For 14 Gauge Frame, Add 105.11</small>		
<small>For 12 Gauge Frame, Add 159.77</small>		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	711.09	105.28
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	75.08	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	60.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	911.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,061.66	
			<i>For Baked Enamel Finish, Add</i>	181.74	
			<i>For 18 Gauge Frame, Deduct</i>	-50.05	
			<i>For 14 Gauge Frame, Add</i>	125.14	
			<i>For 12 Gauge Frame, Add</i>	190.21	
08 12 13	13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	731.87	111.66
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	76.28	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	61.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	926.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,079.12	
			<i>For Baked Enamel Finish, Add</i>	186.06	
			<i>For 18 Gauge Frame, Deduct</i>	-50.86	
			<i>For 14 Gauge Frame, Add</i>	127.14	
			<i>For 12 Gauge Frame, Add</i>	193.25	
08 12 13	13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	751.00	121.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	76.28	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	61.03	
			<i>For Type 304 Stainless Steel Frame, Add</i>	927.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,080.08	
			<i>For Baked Enamel Finish, Add</i>	188.93	
			<i>For 18 Gauge Frame, Deduct</i>	-50.86	
			<i>For 14 Gauge Frame, Add</i>	127.14	
			<i>For 12 Gauge Frame, Add</i>	193.25	
08 12 13	13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	765.40	124.41
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	77.48	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	61.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	942.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,097.22	
			<i>For Baked Enamel Finish, Add</i>	192.29	
			<i>For 18 Gauge Frame, Deduct</i>	-51.66	
			<i>For 14 Gauge Frame, Add</i>	129.14	
			<i>For 12 Gauge Frame, Add</i>	196.29	
08 12 13	13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	779.79	127.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.69	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	62.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	956.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,114.36	
			<i>For Baked Enamel Finish, Add</i>	195.65	
			<i>For 18 Gauge Frame, Deduct</i>	-52.46	
			<i>For 14 Gauge Frame, Add</i>	131.14	
			<i>For 12 Gauge Frame, Add</i>	199.34	
08 12 13	13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	828.58	133.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	67.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,022.48	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,190.66	
			<i>For Baked Enamel Finish, Add</i>	208.38	
			<i>For 18 Gauge Frame, Deduct</i>	-56.06	
			<i>For 14 Gauge Frame, Add</i>	140.15	
			<i>For 12 Gauge Frame, Add</i>	213.03	
08 12 13	13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	841.34	140.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	67.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,023.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,191.30	
			<i>For Baked Enamel Finish, Add</i>	210.29	
			<i>For 18 Gauge Frame, Deduct</i>	-56.06	
			<i>For 14 Gauge Frame, Add</i>	140.15	
			<i>For 12 Gauge Frame, Add</i>	213.03	
08 12 13	13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	874.13	146.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	87.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	69.68	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,059.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,234.00	
			<i>For Baked Enamel Finish, Add</i>	218.21	
			<i>For 18 Gauge Frame, Deduct</i>	-58.06	
			<i>For 14 Gauge Frame, Add</i>	145.16	
			<i>For 12 Gauge Frame, Add</i>	220.64	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012 EA 5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	906.91	153.13
For Auxiliary Frame Reinforcement For Hinges, Add	90.10	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	72.08	
For Type 304 Stainless Steel Frame, Add	1,096.48	
For Type 316 Stainless Steel Frame, Add	1,276.68	
For Baked Enamel Finish, Add	226.13	
For 18 Gauge Frame, Deduct	-60.07	
For 14 Gauge Frame, Add	150.16	
For 12 Gauge Frame, Add	228.25	
08 12 13 13-0013 EA 5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	919.67	159.51
For Auxiliary Frame Reinforcement For Hinges, Add	90.10	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	72.08	
For Type 304 Stainless Steel Frame, Add	1,097.12	
For Type 316 Stainless Steel Frame, Add	1,277.32	
For Baked Enamel Finish, Add	228.05	
For 18 Gauge Frame, Deduct	-60.07	
For 14 Gauge Frame, Add	150.16	
For 12 Gauge Frame, Add	228.25	
08 12 13 13-0014 EA 5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	936.60	162.70
For Auxiliary Frame Reinforcement For Hinges, Add	91.60	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	73.28	
For Type 304 Stainless Steel Frame, Add	1,115.46	
For Type 316 Stainless Steel Frame, Add	1,298.66	
For Baked Enamel Finish, Add	232.01	
For 18 Gauge Frame, Deduct	-61.07	
For 14 Gauge Frame, Add	152.67	
For 12 Gauge Frame, Add	232.05	
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	952.45	165.89
For Auxiliary Frame Reinforcement For Hinges, Add	93.10	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	74.48	
For Type 304 Stainless Steel Frame, Add	1,133.80	
For Type 316 Stainless Steel Frame, Add	1,320.00	
For Baked Enamel Finish, Add	235.97	
For 18 Gauge Frame, Deduct	-62.07	
For 14 Gauge Frame, Add	155.17	
For 12 Gauge Frame, Add	235.85	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	998.88	169.08
For Auxiliary Frame Reinforcement For Hinges, Add	99.11	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	79.29	
For Type 304 Stainless Steel Frame, Add	1,206.19	
For Type 316 Stainless Steel Frame, Add	1,404.40	
For Baked Enamel Finish, Add	248.94	
For 18 Gauge Frame, Deduct	-66.07	
For 14 Gauge Frame, Add	165.18	
For 12 Gauge Frame, Add	251.07	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,045.30	172.27
For Auxiliary Frame Reinforcement For Hinges, Add	105.11	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	84.09	
For Type 304 Stainless Steel Frame, Add	1,278.60	
For Type 316 Stainless Steel Frame, Add	1,488.82	
For Baked Enamel Finish, Add	261.91	
For 18 Gauge Frame, Deduct	-70.08	
For 14 Gauge Frame, Add	175.19	
For 12 Gauge Frame, Add	266.29	
08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0001)</small>		
08 12 13 13-0019 EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	658.58	95.70
For Auxiliary Frame Reinforcement For Hinges, Add	70.08	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	56.06	
For Type 304 Stainless Steel Frame, Add	850.48	
For Type 316 Stainless Steel Frame, Add	990.63	
For Baked Enamel Finish, Add	168.86	
For 18 Gauge Frame, Deduct	-46.72	
For 14 Gauge Frame, Add	116.79	
For 12 Gauge Frame, Add	177.52	
08 12 13 13-0020 EA 2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	766.71	105.28
For Auxiliary Frame Reinforcement For Hinges, Add	83.42	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	66.74	
For Type 304 Stainless Steel Frame, Add	1,011.62	
For Type 316 Stainless Steel Frame, Add	1,178.46	
For Baked Enamel Finish, Add	198.43	
For 18 Gauge Frame, Deduct	-55.62	
For 14 Gauge Frame, Add	139.04	
For 12 Gauge Frame, Add	211.34	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	788.37	111.66
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.76	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	67.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,028.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,197.77	
			<i>For Baked Enamel Finish, Add</i>	203.01	
			<i>For 18 Gauge Frame, Deduct</i>	-56.51	
			<i>For 14 Gauge Frame, Add</i>	141.26	
			<i>For 12 Gauge Frame, Add</i>	214.72	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	807.50	121.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.76	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	67.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,029.21	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,198.73	
			<i>For Baked Enamel Finish, Add</i>	205.88	
			<i>For 18 Gauge Frame, Deduct</i>	-56.51	
			<i>For 14 Gauge Frame, Add</i>	141.26	
			<i>For 12 Gauge Frame, Add</i>	214.72	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	822.79	124.41
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	86.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	68.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,045.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,217.74	
			<i>For Baked Enamel Finish, Add</i>	209.51	
			<i>For 18 Gauge Frame, Deduct</i>	-57.40	
			<i>For 14 Gauge Frame, Add</i>	143.49	
			<i>For 12 Gauge Frame, Add</i>	218.10	
08 12 13 13-0024	EA		3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	838.07	127.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	87.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	69.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,061.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,236.75	
			<i>For Baked Enamel Finish, Add</i>	213.14	
			<i>For 18 Gauge Frame, Deduct</i>	-58.29	
			<i>For 14 Gauge Frame, Add</i>	145.71	
			<i>For 12 Gauge Frame, Add</i>	221.48	
08 12 13 13-0025	EA		3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	890.87	133.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	93.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	74.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,134.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,321.47	
			<i>For Baked Enamel Finish, Add</i>	227.06	
			<i>For 18 Gauge Frame, Deduct</i>	-62.29	
			<i>For 14 Gauge Frame, Add</i>	155.72	
			<i>For 12 Gauge Frame, Add</i>	236.70	
08 12 13 13-0026	EA		3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	903.63	140.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	93.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	74.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,135.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,322.11	
			<i>For Baked Enamel Finish, Add</i>	228.98	
			<i>For 18 Gauge Frame, Deduct</i>	-62.29	
			<i>For 14 Gauge Frame, Add</i>	155.72	
			<i>For 12 Gauge Frame, Add</i>	236.70	
08 12 13 13-0027	EA		4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	938.64	146.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	96.77	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	77.42	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,175.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,369.47	
			<i>For Baked Enamel Finish, Add</i>	237.57	
			<i>For 18 Gauge Frame, Deduct</i>	-64.51	
			<i>For 14 Gauge Frame, Add</i>	161.29	
			<i>For 12 Gauge Frame, Add</i>	245.15	
08 12 13 13-0028	EA		5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	973.65	153.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	100.11	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	80.09	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,216.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,416.83	
			<i>For Baked Enamel Finish, Add</i>	246.16	
			<i>For 18 Gauge Frame, Deduct</i>	-66.74	
			<i>For 14 Gauge Frame, Add</i>	166.85	
			<i>For 12 Gauge Frame, Add</i>	253.61	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	986.41 100.11 245.10 80.09 1,217.25 1,417.47 248.07 -66.74 166.85 253.61	159.51
08 12 13	13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	1,003.91 101.78 245.10 81.42 1,237.59 1,441.14 252.36 -67.85 169.63 257.83	162.70
08 12 13	13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	1,021.41 103.44 245.10 82.76 1,257.92 1,464.81 256.66 -68.96 172.41 262.06	165.89
08 12 13	13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	1,072.29 110.12 245.10 88.09 1,338.32 1,558.56 270.96 -73.41 183.53 278.97	169.08
08 12 13	13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	1,123.16 116.79 245.10 93.43 1,418.74 1,652.33 285.27 -77.86 194.66 295.88	172.27
08 12 13	13-0034		5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13) Note: For non-rated or fire rated frame assemblies		
08 12 13	13-0035		6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13-0034)		
08 12 13	13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	658.58 70.08 245.10 56.06 850.48 990.63 168.86 -46.72 116.79 177.52	95.70
08 12 13	13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	766.70 83.42 245.10 66.74 1,011.60 1,178.44 198.43 -55.62 139.04 211.34	105.28
08 12 13	13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame For Auxiliary Frame Reinforcement For Hinges, Add For Welded Frames, Add For Galvanized Frames, Add For Type 304 Stainless Steel Frame, Add For Type 316 Stainless Steel Frame, Add For Baked Enamel Finish, Add For 18 Gauge Frame, Deduct For 14 Gauge Frame, Add For 12 Gauge Frame, Add	788.37 84.76 245.10 67.81 1,028.26 1,197.77 203.01 -56.51 141.26 214.72	111.66

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0039	EA		2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	807.50	121.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.76	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	67.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,029.21	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,198.73	
			<i>For Baked Enamel Finish, Add</i>	205.88	
			<i>For 18 Gauge Frame, Deduct</i>	-56.51	
			<i>For 14 Gauge Frame, Add</i>	141.26	
			<i>For 12 Gauge Frame, Add</i>	214.72	
08 12 13 13-0040	EA		2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	822.79	124.41
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	86.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	68.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,045.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,217.74	
			<i>For Baked Enamel Finish, Add</i>	209.51	
			<i>For 18 Gauge Frame, Deduct</i>	-57.40	
			<i>For 14 Gauge Frame, Add</i>	143.49	
			<i>For 12 Gauge Frame, Add</i>	218.10	
08 12 13 13-0041	EA		3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	838.07	127.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	87.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	69.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,061.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,236.75	
			<i>For Baked Enamel Finish, Add</i>	213.14	
			<i>For 18 Gauge Frame, Deduct</i>	-58.29	
			<i>For 14 Gauge Frame, Add</i>	145.71	
			<i>For 12 Gauge Frame, Add</i>	221.48	
08 12 13 13-0042	EA		3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	890.87	133.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	93.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	74.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,134.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,321.47	
			<i>For Baked Enamel Finish, Add</i>	227.06	
			<i>For 18 Gauge Frame, Deduct</i>	-62.29	
			<i>For 14 Gauge Frame, Add</i>	155.72	
			<i>For 12 Gauge Frame, Add</i>	236.70	
08 12 13 13-0043	EA		3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	903.63	140.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	93.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	74.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,135.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,322.11	
			<i>For Baked Enamel Finish, Add</i>	228.98	
			<i>For 18 Gauge Frame, Deduct</i>	-62.29	
			<i>For 14 Gauge Frame, Add</i>	155.72	
			<i>For 12 Gauge Frame, Add</i>	236.70	
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	938.64	146.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	96.77	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	77.42	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,175.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,369.47	
			<i>For Baked Enamel Finish, Add</i>	237.57	
			<i>For 18 Gauge Frame, Deduct</i>	-64.51	
			<i>For 14 Gauge Frame, Add</i>	161.29	
			<i>For 12 Gauge Frame, Add</i>	245.15	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	973.65	153.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	100.11	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	80.09	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,216.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,416.83	
			<i>For Baked Enamel Finish, Add</i>	246.16	
			<i>For 18 Gauge Frame, Deduct</i>	-66.74	
			<i>For 14 Gauge Frame, Add</i>	166.85	
			<i>For 12 Gauge Frame, Add</i>	253.61	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	986.41	159.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	100.11	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	80.09	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,217.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,417.47	
			<i>For Baked Enamel Finish, Add</i>	248.07	
			<i>For 18 Gauge Frame, Deduct</i>	-66.74	
			<i>For 14 Gauge Frame, Add</i>	166.85	
			<i>For 12 Gauge Frame, Add</i>	253.61	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0047 EA 5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,003.91	162.70
For Auxiliary Frame Reinforcement For Hinges, Add	101.78	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	81.42	
For Type 304 Stainless Steel Frame, Add	1,237.59	
For Type 316 Stainless Steel Frame, Add	1,441.14	
For Baked Enamel Finish, Add	252.36	
For 18 Gauge Frame, Deduct	-67.85	
For 14 Gauge Frame, Add	169.63	
For 12 Gauge Frame, Add	257.83	
08 12 13 13-0048 EA 6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,021.41	165.89
For Auxiliary Frame Reinforcement For Hinges, Add	103.44	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	82.76	
For Type 304 Stainless Steel Frame, Add	1,257.92	
For Type 316 Stainless Steel Frame, Add	1,464.81	
For Baked Enamel Finish, Add	256.66	
For 18 Gauge Frame, Deduct	-68.96	
For 14 Gauge Frame, Add	172.41	
For 12 Gauge Frame, Add	262.06	
08 12 13 13-0049 EA 7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,072.29	169.08
For Auxiliary Frame Reinforcement For Hinges, Add	110.12	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	88.09	
For Type 304 Stainless Steel Frame, Add	1,338.32	
For Type 316 Stainless Steel Frame, Add	1,558.56	
For Baked Enamel Finish, Add	270.96	
For 18 Gauge Frame, Deduct	-73.41	
For 14 Gauge Frame, Add	183.53	
For 12 Gauge Frame, Add	278.97	
08 12 13 13-0050 EA 8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,123.16	172.27
For Auxiliary Frame Reinforcement For Hinges, Add	116.79	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	93.43	
For Type 304 Stainless Steel Frame, Add	1,418.74	
For Type 316 Stainless Steel Frame, Add	1,652.33	
For Baked Enamel Finish, Add	285.27	
For 18 Gauge Frame, Deduct	-77.86	
For 14 Gauge Frame, Add	194.66	
For 12 Gauge Frame, Add	295.88	
08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	710.49	95.70
For Auxiliary Frame Reinforcement For Hinges, Add	77.86	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	62.29	
For Type 304 Stainless Steel Frame, Add	943.91	
For Type 316 Stainless Steel Frame, Add	1,099.64	
For Baked Enamel Finish, Add	184.44	
For 18 Gauge Frame, Deduct	-51.91	
For 14 Gauge Frame, Add	129.77	
For 12 Gauge Frame, Add	197.25	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	828.50	105.28
For Auxiliary Frame Reinforcement For Hinges, Add	92.69	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	74.15	
For Type 304 Stainless Steel Frame, Add	1,122.84	
For Type 316 Stainless Steel Frame, Add	1,308.22	
For Baked Enamel Finish, Add	216.97	
For 18 Gauge Frame, Deduct	-61.80	
For 14 Gauge Frame, Add	154.49	
For 12 Gauge Frame, Add	234.82	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	851.16	111.66
For Auxiliary Frame Reinforcement For Hinges, Add	94.18	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	75.34	
For Type 304 Stainless Steel Frame, Add	1,141.28	
For Type 316 Stainless Steel Frame, Add	1,329.63	
For Baked Enamel Finish, Add	221.85	
For 18 Gauge Frame, Deduct	-62.78	
For 14 Gauge Frame, Add	156.96	
For 12 Gauge Frame, Add	238.58	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	870.29	121.23
For Auxiliary Frame Reinforcement For Hinges, Add	94.18	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	75.34	
For Type 304 Stainless Steel Frame, Add	1,142.23	
For Type 316 Stainless Steel Frame, Add	1,330.59	
For Baked Enamel Finish, Add	224.72	
For 18 Gauge Frame, Deduct	-62.78	
For 14 Gauge Frame, Add	156.96	
For 12 Gauge Frame, Add	238.58	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	886.56	124.41
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	95.66	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	76.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,160.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,351.65	
			<i>For Baked Enamel Finish, Add</i>	228.64	
			<i>For 18 Gauge Frame, Deduct</i>	-63.77	
			<i>For 14 Gauge Frame, Add</i>	159.43	
			<i>For 12 Gauge Frame, Add</i>	242.33	
08 12 13	13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	902.83	127.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	97.14	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	77.71	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,178.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,372.74	
			<i>For Baked Enamel Finish, Add</i>	232.57	
			<i>For 18 Gauge Frame, Deduct</i>	-64.76	
			<i>For 14 Gauge Frame, Add</i>	161.90	
			<i>For 12 Gauge Frame, Add</i>	246.09	
08 12 13	13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	960.08	133.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	103.82	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	83.05	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,259.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,466.81	
			<i>For Baked Enamel Finish, Add</i>	247.83	
			<i>For 18 Gauge Frame, Deduct</i>	-69.21	
			<i>For 14 Gauge Frame, Add</i>	173.03	
			<i>For 12 Gauge Frame, Add</i>	263.00	
08 12 13	13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	972.84	140.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	103.82	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	83.05	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,259.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,467.45	
			<i>For Baked Enamel Finish, Add</i>	249.74	
			<i>For 18 Gauge Frame, Deduct</i>	-69.21	
			<i>For 14 Gauge Frame, Add</i>	173.03	
			<i>For 12 Gauge Frame, Add</i>	263.00	
08 12 13	13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,010.32	146.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	107.52	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	86.02	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,304.95	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,520.00	
			<i>For Baked Enamel Finish, Add</i>	259.07	
			<i>For 18 Gauge Frame, Deduct</i>	-71.68	
			<i>For 14 Gauge Frame, Add</i>	179.21	
			<i>For 12 Gauge Frame, Add</i>	272.39	
08 12 13	13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,047.80	153.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	111.23	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	88.98	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,350.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,572.55	
			<i>For Baked Enamel Finish, Add</i>	268.40	
			<i>For 18 Gauge Frame, Deduct</i>	-74.15	
			<i>For 14 Gauge Frame, Add</i>	185.39	
			<i>For 12 Gauge Frame, Add</i>	281.79	
08 12 13	13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,060.56	159.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	111.23	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	88.98	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,350.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,573.19	
			<i>For Baked Enamel Finish, Add</i>	270.32	
			<i>For 18 Gauge Frame, Deduct</i>	-74.15	
			<i>For 14 Gauge Frame, Add</i>	185.39	
			<i>For 12 Gauge Frame, Add</i>	281.79	
08 12 13	13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,079.30	162.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	113.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	90.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,373.29	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,599.46	
			<i>For Baked Enamel Finish, Add</i>	274.98	
			<i>For 18 Gauge Frame, Deduct</i>	-75.39	
			<i>For 14 Gauge Frame, Add</i>	188.48	
			<i>For 12 Gauge Frame, Add</i>	286.48	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0064 EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Hollow Metal Door Frame.....	1,098.04	165.89
For Auxiliary Frame Reinforcement For Hinges, Add	114.94	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	91.95	
For Type 304 Stainless Steel Frame, Add	1,395.86	
For Type 316 Stainless Steel Frame, Add	1,625.74	
For Baked Enamel Finish, Add	279.65	
For 18 Gauge Frame, Deduct	-76.63	
For 14 Gauge Frame, Add	191.57	
For 12 Gauge Frame, Add	291.18	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Hollow Metal Door Frame.....	1,153.86	169.08
For Auxiliary Frame Reinforcement For Hinges, Add	122.35	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	97.88	
For Type 304 Stainless Steel Frame, Add	1,485.15	
For Type 316 Stainless Steel Frame, Add	1,729.86	
For Baked Enamel Finish, Add	295.43	
For 18 Gauge Frame, Deduct	-81.57	
For 14 Gauge Frame, Add	203.92	
For 12 Gauge Frame, Add	309.96	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Hollow Metal Door Frame.....	1,209.67	172.27
For Auxiliary Frame Reinforcement For Hinges, Add	129.77	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	103.82	
For Type 304 Stainless Steel Frame, Add	1,574.46	
For Type 316 Stainless Steel Frame, Add	1,834.00	
For Baked Enamel Finish, Add	311.22	
For 18 Gauge Frame, Deduct	-86.51	
For 14 Gauge Frame, Add	216.28	
For 12 Gauge Frame, Add	328.75	
08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	930.99	95.70
For Auxiliary Frame Reinforcement For Hinges, Add	110.94	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	88.75	
For Type 304 Stainless Steel Frame, Add	1,340.81	
For Type 316 Stainless Steel Frame, Add	1,562.69	
For Baked Enamel Finish, Add	250.59	
For 18 Gauge Frame, Deduct	-73.96	
For 14 Gauge Frame, Add	184.90	
For 12 Gauge Frame, Add	281.04	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,091.00	105.28
For Auxiliary Frame Reinforcement For Hinges, Add	132.07	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	105.65	
For Type 304 Stainless Steel Frame, Add	1,595.34	
For Type 316 Stainless Steel Frame, Add	1,859.47	
For Baked Enamel Finish, Add	295.72	
For 18 Gauge Frame, Deduct	-88.05	
For 14 Gauge Frame, Add	220.11	
For 12 Gauge Frame, Add	334.57	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,117.86	111.66
For Auxiliary Frame Reinforcement For Hinges, Add	134.18	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	107.34	
For Type 304 Stainless Steel Frame, Add	1,621.34	
For Type 316 Stainless Steel Frame, Add	1,889.70	
For Baked Enamel Finish, Add	301.86	
For 18 Gauge Frame, Deduct	-89.45	
For 14 Gauge Frame, Add	223.64	
For 12 Gauge Frame, Add	339.93	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,136.99	121.23
For Auxiliary Frame Reinforcement For Hinges, Add	134.18	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	107.34	
For Type 304 Stainless Steel Frame, Add	1,622.29	
For Type 316 Stainless Steel Frame, Add	1,890.66	
For Baked Enamel Finish, Add	304.73	
For 18 Gauge Frame, Deduct	-89.45	
For 14 Gauge Frame, Add	223.64	
For 12 Gauge Frame, Add	339.93	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,157.47	124.41
For Auxiliary Frame Reinforcement For Hinges, Add	136.29	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	109.04	
For Type 304 Stainless Steel Frame, Add	1,647.98	
For Type 316 Stainless Steel Frame, Add	1,920.57	
For Baked Enamel Finish, Add	309.92	
For 18 Gauge Frame, Deduct	-90.86	
For 14 Gauge Frame, Add	227.16	
For 12 Gauge Frame, Add	345.28	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,177.94	127.61
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	138.41	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	110.73	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,673.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,950.47	
			<i>For Baked Enamel Finish, Add</i>	315.10	
			<i>For 18 Gauge Frame, Deduct</i>	-92.27	
			<i>For 14 Gauge Frame, Add</i>	230.68	
			<i>For 12 Gauge Frame, Add</i>	350.63	
08 12 13	13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,254.09	133.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	147.92	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	118.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,788.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,084.23	
			<i>For Baked Enamel Finish, Add</i>	336.03	
			<i>For 18 Gauge Frame, Deduct</i>	-98.61	
			<i>For 14 Gauge Frame, Add</i>	246.53	
			<i>For 12 Gauge Frame, Add</i>	374.72	
08 12 13	13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,266.85	140.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	147.92	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	118.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,789.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,084.87	
			<i>For Baked Enamel Finish, Add</i>	337.94	
			<i>For 18 Gauge Frame, Deduct</i>	-98.61	
			<i>For 14 Gauge Frame, Add</i>	246.53	
			<i>For 12 Gauge Frame, Add</i>	374.72	
08 12 13	13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,314.83	146.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	153.20	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	122.56	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,853.07	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,159.47	
			<i>For Baked Enamel Finish, Add</i>	350.42	
			<i>For 18 Gauge Frame, Deduct</i>	-102.13	
			<i>For 14 Gauge Frame, Add</i>	255.33	
			<i>For 12 Gauge Frame, Add</i>	388.11	
08 12 13	13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,362.80	153.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	158.48	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	126.78	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,917.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,234.05	
			<i>For Baked Enamel Finish, Add</i>	362.90	
			<i>For 18 Gauge Frame, Deduct</i>	-105.65	
			<i>For 14 Gauge Frame, Add</i>	264.14	
			<i>For 12 Gauge Frame, Add</i>	401.49	
08 12 13	13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,375.56	159.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	158.48	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	126.78	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,917.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,234.69	
			<i>For Baked Enamel Finish, Add</i>	364.82	
			<i>For 18 Gauge Frame, Deduct</i>	-105.65	
			<i>For 14 Gauge Frame, Add</i>	264.14	
			<i>For 12 Gauge Frame, Add</i>	401.49	
08 12 13	13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,399.55	162.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	161.12	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	128.90	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,949.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,271.99	
			<i>For Baked Enamel Finish, Add</i>	371.06	
			<i>For 18 Gauge Frame, Deduct</i>	-107.42	
			<i>For 14 Gauge Frame, Add</i>	268.54	
			<i>For 12 Gauge Frame, Add</i>	408.18	
08 12 13	13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,423.54	165.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	163.76	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	131.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,981.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,309.29	
			<i>For Baked Enamel Finish, Add</i>	377.30	
			<i>For 18 Gauge Frame, Deduct</i>	-109.18	
			<i>For 14 Gauge Frame, Add</i>	272.94	
			<i>For 12 Gauge Frame, Add</i>	414.87	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0082 EA 7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,500.36	169.08
For Auxiliary Frame Reinforcement For Hinges, Add	174.33	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	139.46	
For Type 304 Stainless Steel Frame, Add	2,108.85	
For Type 316 Stainless Steel Frame, Add	2,457.51	
For Baked Enamel Finish, Add	399.38	
For 18 Gauge Frame, Deduct	-116.22	
For 14 Gauge Frame, Add	290.55	
For 12 Gauge Frame, Add	441.63	
08 12 13 13-0083 EA 8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,577.18	172.27
For Auxiliary Frame Reinforcement For Hinges, Add	184.90	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	147.92	
For Type 304 Stainless Steel Frame, Add	2,235.98	
For Type 316 Stainless Steel Frame, Add	2,605.77	
For Baked Enamel Finish, Add	421.47	
For 18 Gauge Frame, Deduct	-123.26	
For 14 Gauge Frame, Add	308.16	
For 12 Gauge Frame, Add	468.40	
08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0085 EA 2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,013.17	95.70
For Auxiliary Frame Reinforcement For Hinges, Add	123.26	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	98.61	
For Type 304 Stainless Steel Frame, Add	1,488.74	
For Type 316 Stainless Steel Frame, Add	1,735.27	
For Baked Enamel Finish, Add	275.24	
For 18 Gauge Frame, Deduct	-82.18	
For 14 Gauge Frame, Add	205.44	
For 12 Gauge Frame, Add	312.27	
08 12 13 13-0086 EA 2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,188.83	105.28
For Auxiliary Frame Reinforcement For Hinges, Add	146.74	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	117.39	
For Type 304 Stainless Steel Frame, Add	1,771.43	
For Type 316 Stainless Steel Frame, Add	2,064.92	
For Baked Enamel Finish, Add	325.07	
For 18 Gauge Frame, Deduct	-97.83	
For 14 Gauge Frame, Add	244.57	
For 12 Gauge Frame, Add	371.75	
08 12 13 13-0087 EA 2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,217.25	111.66
For Auxiliary Frame Reinforcement For Hinges, Add	149.09	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	119.27	
For Type 304 Stainless Steel Frame, Add	1,800.24	
For Type 316 Stainless Steel Frame, Add	2,098.42	
For Baked Enamel Finish, Add	331.68	
For 18 Gauge Frame, Deduct	-99.39	
For 14 Gauge Frame, Add	248.48	
For 12 Gauge Frame, Add	377.69	
08 12 13 13-0088 EA 2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,236.38	121.23
For Auxiliary Frame Reinforcement For Hinges, Add	149.09	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	119.27	
For Type 304 Stainless Steel Frame, Add	1,801.20	
For Type 316 Stainless Steel Frame, Add	2,099.38	
For Baked Enamel Finish, Add	334.55	
For 18 Gauge Frame, Deduct	-99.39	
For 14 Gauge Frame, Add	248.48	
For 12 Gauge Frame, Add	377.69	
08 12 13 13-0089 EA 2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,258.43	124.41
For Auxiliary Frame Reinforcement For Hinges, Add	151.44	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	121.15	
For Type 304 Stainless Steel Frame, Add	1,829.70	
For Type 316 Stainless Steel Frame, Add	2,132.58	
For Baked Enamel Finish, Add	340.20	
For 18 Gauge Frame, Deduct	-100.96	
For 14 Gauge Frame, Add	252.40	
For 12 Gauge Frame, Add	383.64	
08 12 13 13-0090 EA 3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,280.46	127.61
For Auxiliary Frame Reinforcement For Hinges, Add	153.79	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	123.03	
For Type 304 Stainless Steel Frame, Add	1,858.19	
For Type 316 Stainless Steel Frame, Add	2,165.77	
For Baked Enamel Finish, Add	345.86	
For 18 Gauge Frame, Deduct	-102.52	
For 14 Gauge Frame, Add	256.31	
For 12 Gauge Frame, Add	389.59	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0091	EA		3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,363.66	133.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	164.35	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	131.48	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,985.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,314.33	
			<i>For Baked Enamel Finish, Add</i>	368.90	
			<i>For 18 Gauge Frame, Deduct</i>	-109.57	
			<i>For 14 Gauge Frame, Add</i>	273.92	
			<i>For 12 Gauge Frame, Add</i>	416.36	
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,376.42	140.37
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	164.35	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	131.48	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,986.26	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,314.97	
			<i>For Baked Enamel Finish, Add</i>	370.82	
			<i>For 18 Gauge Frame, Deduct</i>	-109.57	
			<i>For 14 Gauge Frame, Add</i>	273.92	
			<i>For 12 Gauge Frame, Add</i>	416.36	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,428.31	146.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	170.22	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	136.18	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,057.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,397.78	
			<i>For Baked Enamel Finish, Add</i>	384.47	
			<i>For 18 Gauge Frame, Deduct</i>	-113.48	
			<i>For 14 Gauge Frame, Add</i>	283.70	
			<i>For 12 Gauge Frame, Add</i>	431.23	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,480.20	153.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	176.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	140.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,128.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,480.59	
			<i>For Baked Enamel Finish, Add</i>	398.12	
			<i>For 18 Gauge Frame, Deduct</i>	-117.39	
			<i>For 14 Gauge Frame, Add</i>	293.49	
			<i>For 12 Gauge Frame, Add</i>	446.10	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,492.96	159.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	176.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	140.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,129.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,481.23	
			<i>For Baked Enamel Finish, Add</i>	400.04	
			<i>For 18 Gauge Frame, Deduct</i>	-117.39	
			<i>For 14 Gauge Frame, Add</i>	293.49	
			<i>For 12 Gauge Frame, Add</i>	446.10	
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,518.90	162.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	179.03	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	143.22	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,164.57	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,522.62	
			<i>For Baked Enamel Finish, Add</i>	406.86	
			<i>For 18 Gauge Frame, Deduct</i>	-119.35	
			<i>For 14 Gauge Frame, Add</i>	298.38	
			<i>For 12 Gauge Frame, Add</i>	453.53	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,544.85	165.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	181.96	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	145.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,200.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,564.04	
			<i>For Baked Enamel Finish, Add</i>	413.69	
			<i>For 18 Gauge Frame, Deduct</i>	-121.31	
			<i>For 14 Gauge Frame, Add</i>	303.27	
			<i>For 12 Gauge Frame, Add</i>	460.97	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,629.49	169.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	193.70	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	154.96	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,341.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,728.68	
			<i>For Baked Enamel Finish, Add</i>	438.12	
			<i>For 18 Gauge Frame, Deduct</i>	-129.13	
			<i>For 14 Gauge Frame, Add</i>	322.83	
			<i>For 12 Gauge Frame, Add</i>	490.70	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0099 EA 8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,714.13	172.27
For Auxiliary Frame Reinforcement For Hinges, Add	205.44	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	164.35	
For Type 304 Stainless Steel Frame, Add	2,482.49	
For Type 316 Stainless Steel Frame, Add	2,893.37	
For Baked Enamel Finish, Add	462.56	
For 18 Gauge Frame, Deduct	-136.96	
For 14 Gauge Frame, Add	342.40	
For 12 Gauge Frame, Add	520.44	
08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)		
08 12 13 13-0102 EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	986.46	95.70
For Auxiliary Frame Reinforcement For Hinges, Add	119.26	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	95.41	
For Type 304 Stainless Steel Frame, Add	1,440.66	
For Type 316 Stainless Steel Frame, Add	1,679.18	
For Baked Enamel Finish, Add	267.23	
For 18 Gauge Frame, Deduct	-79.51	
For 14 Gauge Frame, Add	198.76	
For 12 Gauge Frame, Add	302.12	
08 12 13 13-0103 EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,157.04	105.28
For Auxiliary Frame Reinforcement For Hinges, Add	141.97	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	113.58	
For Type 304 Stainless Steel Frame, Add	1,714.21	
For Type 316 Stainless Steel Frame, Add	1,998.16	
For Baked Enamel Finish, Add	315.53	
For 18 Gauge Frame, Deduct	-94.65	
For 14 Gauge Frame, Add	236.62	
For 12 Gauge Frame, Add	359.67	
08 12 13 13-0104 EA 2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,184.95	111.66
For Auxiliary Frame Reinforcement For Hinges, Add	144.24	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	115.40	
For Type 304 Stainless Steel Frame, Add	1,742.10	
For Type 316 Stainless Steel Frame, Add	2,030.59	
For Baked Enamel Finish, Add	321.99	
For 18 Gauge Frame, Deduct	-96.16	
For 14 Gauge Frame, Add	240.41	
For 12 Gauge Frame, Add	365.42	
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,204.08	121.23
For Auxiliary Frame Reinforcement For Hinges, Add	144.24	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	115.40	
For Type 304 Stainless Steel Frame, Add	1,743.06	
For Type 316 Stainless Steel Frame, Add	2,031.55	
For Baked Enamel Finish, Add	324.86	
For 18 Gauge Frame, Deduct	-96.16	
For 14 Gauge Frame, Add	240.41	
For 12 Gauge Frame, Add	365.42	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,225.62	124.41
For Auxiliary Frame Reinforcement For Hinges, Add	146.52	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	117.21	
For Type 304 Stainless Steel Frame, Add	1,770.65	
For Type 316 Stainless Steel Frame, Add	2,063.68	
For Baked Enamel Finish, Add	330.36	
For 18 Gauge Frame, Deduct	-97.68	
For 14 Gauge Frame, Add	244.20	
For 12 Gauge Frame, Add	371.18	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,247.14	127.61
For Auxiliary Frame Reinforcement For Hinges, Add	148.79	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	119.03	
For Type 304 Stainless Steel Frame, Add	1,798.22	
For Type 316 Stainless Steel Frame, Add	2,095.79	
For Baked Enamel Finish, Add	335.86	
For 18 Gauge Frame, Deduct	-99.19	
For 14 Gauge Frame, Add	247.98	
For 12 Gauge Frame, Add	376.93	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,328.05 159.01 245.10 127.21 1,921.53 2,239.55 358.22 -106.01 265.02 402.83	133.99
08 12 13	13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,340.81 159.01 245.10 127.21 1,922.16 2,240.18 360.13 -106.01 265.02 402.83	140.37
08 12 13	13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,391.43 164.69 245.10 131.75 1,990.95 2,320.33 373.40 -109.79 274.48 417.21	146.75
08 12 13	13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,442.05 170.37 245.10 136.29 2,059.74 2,400.47 386.68 -113.58 283.95 431.60	153.13
08 12 13	13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,454.81 170.37 245.10 136.29 2,060.37 2,401.11 388.59 -113.58 283.95 431.60	159.51
08 12 13	13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,480.12 173.21 245.10 138.57 2,094.77 2,441.18 395.23 -115.47 288.68 438.79	162.70
08 12 13	13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,505.43 176.05 245.10 140.84 2,129.16 2,481.25 401.86 -117.37 293.41 445.99	165.89
08 12 13	13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,587.53 187.40 245.10 149.92 2,265.76 2,640.56 425.53 -124.94 312.34 474.76	169.08



Openings	08
Doors and Frames	08 10
Metal Frames	08 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0116 EA 8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,669.62	172.27
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	198.76	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	159.01	
<i>For Type 304 Stainless Steel Frame, Add</i>	2,402.37	
<i>For Type 316 Stainless Steel Frame, Add</i>	2,799.90	
<i>For Baked Enamel Finish, Add</i>	449.21	
<i>For 18 Gauge Frame, Deduct</i>	-132.51	
<i>For 14 Gauge Frame, Add</i>	331.27	
<i>For 12 Gauge Frame, Add</i>	503.53	
 08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0118 EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,074.80	95.70
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	132.51	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	106.01	
<i>For Type 304 Stainless Steel Frame, Add</i>	1,599.67	
<i>For Type 316 Stainless Steel Frame, Add</i>	1,864.69	
<i>For Baked Enamel Finish, Add</i>	293.73	
<i>For 18 Gauge Frame, Deduct</i>	-88.34	
<i>For 14 Gauge Frame, Add</i>	220.85	
<i>For 12 Gauge Frame, Add</i>	335.69	
08 12 13 13-0119 EA 2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,262.20	105.28
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	157.75	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	126.20	
<i>For Type 304 Stainless Steel Frame, Add</i>	1,903.50	
<i>For Type 316 Stainless Steel Frame, Add</i>	2,218.99	
<i>For Baked Enamel Finish, Add</i>	347.08	
<i>For 18 Gauge Frame, Deduct</i>	-105.17	
<i>For 14 Gauge Frame, Add</i>	262.91	
<i>For 12 Gauge Frame, Add</i>	399.63	
08 12 13 13-0120 EA 2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,291.80	111.66
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	160.27	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	128.22	
<i>For Type 304 Stainless Steel Frame, Add</i>	1,934.43	
<i>For Type 316 Stainless Steel Frame, Add</i>	2,254.97	
<i>For Baked Enamel Finish, Add</i>	354.04	
<i>For 18 Gauge Frame, Deduct</i>	-106.85	
<i>For 14 Gauge Frame, Add</i>	267.12	
<i>For 12 Gauge Frame, Add</i>	406.02	
08 12 13 13-0121 EA 2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,310.93	121.23
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	160.27	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	128.22	
<i>For Type 304 Stainless Steel Frame, Add</i>	1,935.39	
<i>For Type 316 Stainless Steel Frame, Add</i>	2,255.93	
<i>For Baked Enamel Finish, Add</i>	356.91	
<i>For 18 Gauge Frame, Deduct</i>	-106.85	
<i>For 14 Gauge Frame, Add</i>	267.12	
<i>For 12 Gauge Frame, Add</i>	406.02	
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,334.15	124.41
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	162.80	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	130.24	
<i>For Type 304 Stainless Steel Frame, Add</i>	1,966.00	
<i>For Type 316 Stainless Steel Frame, Add</i>	2,291.59	
<i>For Baked Enamel Finish, Add</i>	362.92	
<i>For 18 Gauge Frame, Deduct</i>	-108.53	
<i>For 14 Gauge Frame, Add</i>	271.33	
<i>For 12 Gauge Frame, Add</i>	412.42	
08 12 13 13-0123 EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,357.35	127.61
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	165.32	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	132.26	
<i>For Type 304 Stainless Steel Frame, Add</i>	1,996.60	
<i>For Type 316 Stainless Steel Frame, Add</i>	2,327.23	
<i>For Baked Enamel Finish, Add</i>	368.92	
<i>For 18 Gauge Frame, Deduct</i>	-110.21	
<i>For 14 Gauge Frame, Add</i>	275.53	
<i>For 12 Gauge Frame, Add</i>	418.81	
08 12 13 13-0124 EA 3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,445.83	133.99
<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	176.68	
<i>For Welded Frames, Add</i>	245.10	
<i>For Galvanized Frames, Add</i>	141.34	
<i>For Type 304 Stainless Steel Frame, Add</i>	2,133.53	
<i>For Type 316 Stainless Steel Frame, Add</i>	2,486.88	
<i>For Baked Enamel Finish, Add</i>	393.55	
<i>For 18 Gauge Frame, Deduct</i>	-117.79	
<i>For 14 Gauge Frame, Add</i>	294.46	
<i>For 12 Gauge Frame, Add</i>	447.58	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,458.59 176.68 245.10 141.34 2,134.17 2,487.52 395.47 -117.79 294.46 447.58	140.37
08 12 13	13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,513.42 182.99 245.10 146.39 2,210.53 2,576.51 410.00 -121.99 304.98 463.57	146.75
08 12 13	13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,568.24 189.30 245.10 151.44 2,286.88 2,665.47 424.53 -126.20 315.50 479.55	153.13
08 12 13	13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,581.00 189.30 245.10 151.44 2,287.52 2,666.11 426.45 -126.20 315.50 479.55	159.51
08 12 13	13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,608.42 192.45 245.10 153.96 2,325.71 2,710.61 433.72 -128.30 320.76 487.55	162.70
08 12 13	13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,635.83 195.61 245.10 156.49 2,363.88 2,755.09 440.98 -130.41 326.01 495.54	165.89
08 12 13	13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,726.34 208.23 245.10 166.58 2,515.61 2,932.07 467.18 -138.82 347.04 527.50	169.08
08 12 13	13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,816.85 220.85 245.10 176.68 2,667.39 3,109.08 493.37 -147.23 368.08 559.48	172.27

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door
Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,023.44	95.70
For Auxiliary Frame Reinforcement For Hinges, Add	124.80	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	99.84	
For Type 304 Stainless Steel Frame, Add	1,507.22	
For Type 316 Stainless Steel Frame, Add	1,756.83	
For Baked Enamel Finish, Add	278.32	
For 18 Gauge Frame, Deduct	-83.20	
For 14 Gauge Frame, Add	208.01	
For 12 Gauge Frame, Add	316.17	
08 12 13 13-0136 EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,201.06	105.28
For Auxiliary Frame Reinforcement For Hinges, Add	148.58	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	118.86	
For Type 304 Stainless Steel Frame, Add	1,793.45	
For Type 316 Stainless Steel Frame, Add	2,090.60	
For Baked Enamel Finish, Add	328.74	
For 18 Gauge Frame, Deduct	-99.05	
For 14 Gauge Frame, Add	247.63	
For 12 Gauge Frame, Add	376.39	
08 12 13 13-0137 EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,229.68	111.66
For Auxiliary Frame Reinforcement For Hinges, Add	150.95	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	120.76	
For Type 304 Stainless Steel Frame, Add	1,822.61	
For Type 316 Stainless Steel Frame, Add	2,124.52	
For Baked Enamel Finish, Add	335.41	
For 18 Gauge Frame, Deduct	-100.64	
For 14 Gauge Frame, Add	251.59	
For 12 Gauge Frame, Add	382.42	
08 12 13 13-0138 EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,248.81	121.23
For Auxiliary Frame Reinforcement For Hinges, Add	150.95	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	120.76	
For Type 304 Stainless Steel Frame, Add	1,823.57	
For Type 316 Stainless Steel Frame, Add	2,125.48	
For Baked Enamel Finish, Add	338.28	
For 18 Gauge Frame, Deduct	-100.64	
For 14 Gauge Frame, Add	251.59	
For 12 Gauge Frame, Add	382.42	
08 12 13 13-0139 EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,271.05	124.41
For Auxiliary Frame Reinforcement For Hinges, Add	153.33	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	122.67	
For Type 304 Stainless Steel Frame, Add	1,852.42	
For Type 316 Stainless Steel Frame, Add	2,159.08	
For Baked Enamel Finish, Add	343.99	
For 18 Gauge Frame, Deduct	-102.22	
For 14 Gauge Frame, Add	255.55	
For 12 Gauge Frame, Add	388.44	
08 12 13 13-0140 EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,293.28	127.61
For Auxiliary Frame Reinforcement For Hinges, Add	155.71	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	124.57	
For Type 304 Stainless Steel Frame, Add	1,881.27	
For Type 316 Stainless Steel Frame, Add	2,192.69	
For Baked Enamel Finish, Add	349.70	
For 18 Gauge Frame, Deduct	-103.81	
For 14 Gauge Frame, Add	259.52	
For 12 Gauge Frame, Add	394.46	
08 12 13 13-0141 EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,377.35	133.99
For Auxiliary Frame Reinforcement For Hinges, Add	166.41	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	133.12	
For Type 304 Stainless Steel Frame, Add	2,010.27	
For Type 316 Stainless Steel Frame, Add	2,343.08	
For Baked Enamel Finish, Add	373.01	
For 18 Gauge Frame, Deduct	-110.94	
For 14 Gauge Frame, Add	277.34	
For 12 Gauge Frame, Add	421.56	
08 12 13 13-0142 EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,390.11	140.37
For Auxiliary Frame Reinforcement For Hinges, Add	166.41	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	133.12	
For Type 304 Stainless Steel Frame, Add	2,010.90	
For Type 316 Stainless Steel Frame, Add	2,343.71	
For Baked Enamel Finish, Add	374.92	
For 18 Gauge Frame, Deduct	-110.94	
For 14 Gauge Frame, Add	277.34	
For 12 Gauge Frame, Add	421.56	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,442.49	146.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	172.35	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	137.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,082.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,427.55	
			<i>For Baked Enamel Finish, Add</i>	388.72	
			<i>For 18 Gauge Frame, Deduct</i>	-114.90	
			<i>For 14 Gauge Frame, Add</i>	287.25	
			<i>For 12 Gauge Frame, Add</i>	436.62	
08 12 13	13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,494.87	153.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	178.29	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	142.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,154.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,511.39	
			<i>For Baked Enamel Finish, Add</i>	402.52	
			<i>For 18 Gauge Frame, Deduct</i>	-118.86	
			<i>For 14 Gauge Frame, Add</i>	297.15	
			<i>For 12 Gauge Frame, Add</i>	451.67	
08 12 13	13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,507.63	159.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	178.29	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	142.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,155.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,512.03	
			<i>For Baked Enamel Finish, Add</i>	404.44	
			<i>For 18 Gauge Frame, Deduct</i>	-118.86	
			<i>For 14 Gauge Frame, Add</i>	297.15	
			<i>For 12 Gauge Frame, Add</i>	451.67	
08 12 13	13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,533.82	162.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	181.26	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	145.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,191.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,553.95	
			<i>For Baked Enamel Finish, Add</i>	411.34	
			<i>For 18 Gauge Frame, Deduct</i>	-120.84	
			<i>For 14 Gauge Frame, Add</i>	302.11	
			<i>For 12 Gauge Frame, Add</i>	459.20	
08 12 13	13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,560.01	165.89
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	184.23	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	147.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,227.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,595.87	
			<i>For Baked Enamel Finish, Add</i>	418.24	
			<i>For 18 Gauge Frame, Deduct</i>	-122.82	
			<i>For 14 Gauge Frame, Add</i>	307.06	
			<i>For 12 Gauge Frame, Add</i>	466.73	
08 12 13	13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,645.63	169.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	196.12	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	156.90	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,370.34	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,762.57	
			<i>For Baked Enamel Finish, Add</i>	442.96	
			<i>For 18 Gauge Frame, Deduct</i>	-130.75	
			<i>For 14 Gauge Frame, Add</i>	326.87	
			<i>For 12 Gauge Frame, Add</i>	496.83	
08 12 13	13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,731.26	172.27
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	208.01	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	166.41	
			<i>For Type 304 Stainless Steel Frame, Add</i>	2,513.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	2,929.34	
			<i>For Baked Enamel Finish, Add</i>	467.70	
			<i>For 18 Gauge Frame, Deduct</i>	-138.67	
			<i>For 14 Gauge Frame, Add</i>	346.68	
			<i>For 12 Gauge Frame, Add</i>	526.95	
08 12 13	13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13	13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,115.89	95.70
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	138.67	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	110.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,673.63	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,950.98	
			<i>For Baked Enamel Finish, Add</i>	306.06	
			<i>For 18 Gauge Frame, Deduct</i>	-92.45	
			<i>For 14 Gauge Frame, Add</i>	231.12	
			<i>For 12 Gauge Frame, Add</i>	351.30	



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0152 EA 2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,311.12	105.28
For Auxiliary Frame Reinforcement For Hinges, Add	165.09	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	132.07	
For Type 304 Stainless Steel Frame, Add	1,991.55	
For Type 316 Stainless Steel Frame, Add	2,321.72	
For Baked Enamel Finish, Add	361.75	
For 18 Gauge Frame, Deduct	-110.06	
For 14 Gauge Frame, Add	275.14	
For 12 Gauge Frame, Add	418.22	
08 12 13 13-0153 EA 2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,341.50	111.66
For Auxiliary Frame Reinforcement For Hinges, Add	167.73	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	134.18	
For Type 304 Stainless Steel Frame, Add	2,023.89	
For Type 316 Stainless Steel Frame, Add	2,359.34	
For Baked Enamel Finish, Add	368.95	
For 18 Gauge Frame, Deduct	-111.82	
For 14 Gauge Frame, Add	279.55	
For 12 Gauge Frame, Add	424.91	
08 12 13 13-0154 EA 2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,360.63	121.23
For Auxiliary Frame Reinforcement For Hinges, Add	167.73	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	134.18	
For Type 304 Stainless Steel Frame, Add	2,024.85	
For Type 316 Stainless Steel Frame, Add	2,360.30	
For Baked Enamel Finish, Add	371.82	
For 18 Gauge Frame, Deduct	-111.82	
For 14 Gauge Frame, Add	279.55	
For 12 Gauge Frame, Add	424.91	
08 12 13 13-0155 EA 2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,384.63	124.41
For Auxiliary Frame Reinforcement For Hinges, Add	170.37	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	136.29	
For Type 304 Stainless Steel Frame, Add	2,056.86	
For Type 316 Stainless Steel Frame, Add	2,397.60	
For Baked Enamel Finish, Add	378.06	
For 18 Gauge Frame, Deduct	-113.58	
For 14 Gauge Frame, Add	283.95	
For 12 Gauge Frame, Add	431.60	
08 12 13 13-0156 EA 3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,408.61	127.61
For Auxiliary Frame Reinforcement For Hinges, Add	173.01	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	138.41	
For Type 304 Stainless Steel Frame, Add	2,088.86	
For Type 316 Stainless Steel Frame, Add	2,434.88	
For Baked Enamel Finish, Add	384.30	
For 18 Gauge Frame, Deduct	-115.34	
For 14 Gauge Frame, Add	288.35	
For 12 Gauge Frame, Add	438.29	
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,500.62	133.99
For Auxiliary Frame Reinforcement For Hinges, Add	184.90	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	147.92	
For Type 304 Stainless Steel Frame, Add	2,232.15	
For Type 316 Stainless Steel Frame, Add	2,601.94	
For Baked Enamel Finish, Add	409.99	
For 18 Gauge Frame, Deduct	-123.26	
For 14 Gauge Frame, Add	308.16	
For 12 Gauge Frame, Add	468.40	
08 12 13 13-0158 EA 3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,513.38	140.37
For Auxiliary Frame Reinforcement For Hinges, Add	184.90	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	147.92	
For Type 304 Stainless Steel Frame, Add	2,232.79	
For Type 316 Stainless Steel Frame, Add	2,602.58	
For Baked Enamel Finish, Add	411.90	
For 18 Gauge Frame, Deduct	-123.26	
For 14 Gauge Frame, Add	308.16	
For 12 Gauge Frame, Add	468.40	
08 12 13 13-0159 EA 4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,570.16	146.75
For Auxiliary Frame Reinforcement For Hinges, Add	191.50	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	153.20	
For Type 304 Stainless Steel Frame, Add	2,312.66	
For Type 316 Stainless Steel Frame, Add	2,695.66	
For Baked Enamel Finish, Add	427.02	
For 18 Gauge Frame, Deduct	-127.67	
For 14 Gauge Frame, Add	319.17	
For 12 Gauge Frame, Add	485.13	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,626.94 198.10 245.10 158.48 2,392.54 2,788.74 442.14 -132.07 330.17 501.86	153.13
08 12 13	13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,639.70 198.10 245.10 158.48 2,393.18 2,789.38 444.06 -132.07 330.17 501.86	159.51
08 12 13	13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,668.09 201.40 245.10 161.12 2,433.11 2,835.92 451.62 -134.27 335.67 510.22	162.70
08 12 13	13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,696.48 204.71 245.10 163.76 2,473.05 2,882.46 459.18 -136.47 341.18 518.59	165.89
08 12 13	13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,790.90 217.91 245.10 174.33 2,631.82 3,067.64 486.54 -145.27 363.18 552.04	169.08
08 12 13	13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,885.33 231.12 245.10 184.89 2,790.65 3,252.89 513.92 -154.08 385.20 585.50	172.27
08 12 13	13-0166		Sidelights And Transoms <small>(08 12 13 13)</small> Note: For non-rated or fire rated frame assemblies		
08 12 13	13-0167		Fixed Steel Transoms <small>(08 12 13 13-0166)</small> Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13	13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom <i>For Movable Frame, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	110.56 22.11 -7.48 18.71 28.44	17.86
08 12 13	13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom..... <i>For Movable Frame, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	115.50 23.10 -7.85 19.63 29.83	18.51
08 12 13	13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom..... <i>For Movable Frame, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	120.75 24.15 -8.25 20.62 31.33	19.14
08 12 13	13-0171		Operable Steel Transom Sash <small>(08 12 13 13-0166)</small> Note: Includes hardware.		



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	161.10 -12.54 31.34 47.64	17.86
08 12 13	13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	168.66 -13.17 32.92 50.03	18.51
08 12 13	13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	176.51 -13.82 34.56 52.52	19.14
08 12 13 13-0175 Sidelights, Steel Frame <small>(08 12 13 13-0166)</small>					
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.					
08 12 13	13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	116.13 -8.04 20.10 30.55	17.86
08 12 13	13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	121.44 -8.44 21.11 32.09	18.51
08 12 13	13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	126.92 -8.86 22.16 33.68	19.14
08 12 13 13-0179 Sundry Hollow Metal Frame Sections <small>(08 12 13 13)</small>					
Note: For non-rated or fire rated frame assemblies					
08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions <small>(08 12 13 13-0179)</small>					
08 12 13	13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	37.84 -1.99 4.97 7.55 8.00 5.00 4.00	7.14
08 12 13	13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	38.65 -2.07 5.17 7.86 8.00 5.00 4.00	7.14
08 12 13	13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	38.37 -1.99 4.97 7.55 8.00 5.00 4.00	7.40
08 12 13	13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	39.61 -2.11 5.28 8.02 8.00 5.00 4.00	7.40
08 12 13	13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	39.77 -2.09 5.22 7.93 8.00 5.00 4.00	7.53
08 12 13	13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion..... <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	40.24 -2.13 5.34 8.11 8.00 5.00 4.00	7.53
08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails <small>(08 12 13 13-0179)</small>					
08 12 13	13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For 3 Hour Frame, Add</i> <i>For 1-1/2 Hour Frame, Add</i> <i>For 3/4 Hour Frame, Add</i>	27.91 -0.99 2.49 3.78 8.00 5.00 4.00	7.14

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	28.92		7.14
		<i>For 18 Gauge Frame, Deduct</i>	-1.10		
		<i>For 14 Gauge Frame, Add</i>	2.74		
		<i>For 12 Gauge Frame, Add</i>	4.16		
		<i>For 3 Hour Frame, Add</i>	8.00		
		<i>For 1-1/2 Hour Frame, Add</i>	5.00		
		<i>For 3/4 Hour Frame, Add</i>	4.00		
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	28.44		7.40
		<i>For 18 Gauge Frame, Deduct</i>	-0.99		
		<i>For 14 Gauge Frame, Add</i>	2.49		
		<i>For 12 Gauge Frame, Add</i>	3.78		
		<i>For 3 Hour Frame, Add</i>	8.00		
		<i>For 1-1/2 Hour Frame, Add</i>	5.00		
		<i>For 3/4 Hour Frame, Add</i>	4.00		
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	29.45		7.40
		<i>For 18 Gauge Frame, Deduct</i>	-1.10		
		<i>For 14 Gauge Frame, Add</i>	2.74		
		<i>For 12 Gauge Frame, Add</i>	4.16		
		<i>For 3 Hour Frame, Add</i>	8.00		
		<i>For 1-1/2 Hour Frame, Add</i>	5.00		
		<i>For 3/4 Hour Frame, Add</i>	4.00		
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.33		7.53
		<i>For 18 Gauge Frame, Deduct</i>	-1.04		
		<i>For 14 Gauge Frame, Add</i>	2.61		
		<i>For 12 Gauge Frame, Add</i>	3.96		
		<i>For 3 Hour Frame, Add</i>	8.00		
		<i>For 1-1/2 Hour Frame, Add</i>	5.00		
		<i>For 3/4 Hour Frame, Add</i>	4.00		
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	30.21		7.53
		<i>For 18 Gauge Frame, Deduct</i>	-1.13		
		<i>For 14 Gauge Frame, Add</i>	2.83		
		<i>For 12 Gauge Frame, Add</i>	4.30		
		<i>For 3 Hour Frame, Add</i>	8.00		
		<i>For 1-1/2 Hour Frame, Add</i>	5.00		
		<i>For 3/4 Hour Frame, Add</i>	4.00		
08 12 13 13-0194		16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions <small>(08 12 13 13-0179)</small>			
08 12 13 13-0195	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	913.67		50.02
		<i>For 18 Gauge Frame, Deduct</i>	-78.86		
		<i>For 14 Gauge Frame, Add</i>	197.15		
		<i>For 12 Gauge Frame, Add</i>	299.67		
08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	945.13		50.02
		<i>For 18 Gauge Frame, Deduct</i>	-82.01		
		<i>For 14 Gauge Frame, Add</i>	205.02		
		<i>For 12 Gauge Frame, Add</i>	311.63		
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,044.43		52.32
		<i>For 18 Gauge Frame, Deduct</i>	-91.56		
		<i>For 14 Gauge Frame, Add</i>	228.89		
		<i>For 12 Gauge Frame, Add</i>	347.91		
		<i>For 3 Hour Frame, Add</i>	56.00		
		<i>For 1-1/2 Hour Frame, Add</i>	36.00		
		<i>For 3/4 Hour Frame, Add</i>	28.00		
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,072.52		52.32
		<i>For 18 Gauge Frame, Deduct</i>	-94.36		
		<i>For 14 Gauge Frame, Add</i>	235.91		
		<i>For 12 Gauge Frame, Add</i>	358.58		
		<i>For 3 Hour Frame, Add</i>	56.00		
		<i>For 1-1/2 Hour Frame, Add</i>	36.00		
		<i>For 3/4 Hour Frame, Add</i>	28.00		
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,210.19		53.59
		<i>For 18 Gauge Frame, Deduct</i>	-107.62		
		<i>For 14 Gauge Frame, Add</i>	269.05		
		<i>For 12 Gauge Frame, Add</i>	408.96		
		<i>For 3 Hour Frame, Add</i>	56.00		
		<i>For 1-1/2 Hour Frame, Add</i>	36.00		
		<i>For 3/4 Hour Frame, Add</i>	28.00		
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,229.28		53.59
		<i>For 18 Gauge Frame, Deduct</i>	-109.53		
		<i>For 14 Gauge Frame, Add</i>	273.82		
		<i>For 12 Gauge Frame, Add</i>	416.21		
		<i>For 3 Hour Frame, Add</i>	56.00		
		<i>For 1-1/2 Hour Frame, Add</i>	36.00		
		<i>For 3/4 Hour Frame, Add</i>	28.00		
08 12 13 13-0201		Metal Frames Accessories <small>(08 12 13 13)</small>			
08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	35.67		
08 12 16		Aluminum Frames <small>(08 12)</small>			
08 12 16 00-0001		Two Piece Aluminum Door Frames <small>(08 12 16)</small>			
08 12 16 00-0002		4-1/8" x 3/8" Two Piece Aluminum Door Frames <small>(08 12 16 00-0001)</small>			



Openings	08	08
Doors and Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 16 00-0003	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	3,045.30	70.18
08 12 16 00-0004	EA		Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	3,045.30	70.18
08 12 16 00-0005			4-3/4" x 1-3/8" Two Piece Aluminum Door Frames <small>(08 12 16 00-0001)</small>		
08 12 16 00-0006	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	3,045.30	70.18
08 12 16 00-0007	EA		Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	3,045.30	70.18

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)

08 13 13 13-0003	EA		2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	598.49	70.18
			<i>For Galvanized Steel Door, Add</i>	91.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	366.50	
			<i>For Type 316 Stainless Steel Door, Add</i>	595.56	
			<i>For Embossed Panel Door, Add</i>	109.95	
			<i>For Baked Enamel Finish, Add</i>	158.49	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-33.43	
			<i>For >100, Deduct</i>	-48.40	
			<i>For Polystyrene Core, Add</i>	45.81	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	114.53	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	57.27	
08 13 13 13-0004	EA		2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	598.49	70.18
			<i>For Galvanized Steel Door, Add</i>	91.62	
			<i>For Type 304 Stainless Steel Door, Add</i>	366.50	
			<i>For Type 316 Stainless Steel Door, Add</i>	595.56	
			<i>For Embossed Panel Door, Add</i>	109.95	
			<i>For Baked Enamel Finish, Add</i>	158.49	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-33.43	
			<i>For >100, Deduct</i>	-48.40	
			<i>For Polystyrene Core, Add</i>	45.81	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	114.53	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	57.27	
08 13 13 13-0005	EA		2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	614.24	73.37
			<i>For Galvanized Steel Door, Add</i>	93.50	
			<i>For Type 304 Stainless Steel Door, Add</i>	373.99	
			<i>For Type 316 Stainless Steel Door, Add</i>	607.74	
			<i>For Embossed Panel Door, Add</i>	112.20	
			<i>For Baked Enamel Finish, Add</i>	162.26	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.38	
			<i>For >100, Deduct</i>	-49.74	
			<i>For Polystyrene Core, Add</i>	46.75	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	116.87	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	58.44	

08	Openings
08 10	Doors and Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0006	EA		2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	621.22	73.37
			<i>For Galvanized Steel Door, Add</i>	94.89	
			<i>For Type 304 Stainless Steel Door, Add</i>	379.58	
			<i>For Type 316 Stainless Steel Door, Add</i>	616.81	
			<i>For Embossed Panel Door, Add</i>	113.87	
			<i>For Baked Enamel Finish, Add</i>	164.35	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.73	
			<i>For >100, Deduct</i>	-50.26	
			<i>For Polystyrene Core, Add</i>	47.45	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	118.62	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	59.31	
08 13 13-0007	EA		2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	627.20	74.97
			<i>For Galvanized Steel Door, Add</i>	95.45	
			<i>For Type 304 Stainless Steel Door, Add</i>	381.81	
			<i>For Type 316 Stainless Steel Door, Add</i>	620.44	
			<i>For Embossed Panel Door, Add</i>	114.54	
			<i>For Baked Enamel Finish, Add</i>	165.67	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-35.11	
			<i>For >100, Deduct</i>	-50.79	
			<i>For Polystyrene Core, Add</i>	47.73	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	119.32	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	59.66	
08 13 13-0008	EA		3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	633.18	76.56
			<i>For Galvanized Steel Door, Add</i>	96.01	
			<i>For Type 304 Stainless Steel Door, Add</i>	384.04	
			<i>For Type 316 Stainless Steel Door, Add</i>	624.07	
			<i>For Embossed Panel Door, Add</i>	115.21	
			<i>For Baked Enamel Finish, Add</i>	166.98	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-35.49	
			<i>For >100, Deduct</i>	-51.32	
			<i>For Polystyrene Core, Add</i>	48.01	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	120.01	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	60.01	
08 13 13-0009	EA		3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	669.47	76.56
			<i>For Galvanized Steel Door, Add</i>	103.27	
			<i>For Type 304 Stainless Steel Door, Add</i>	413.07	
			<i>For Type 316 Stainless Steel Door, Add</i>	671.24	
			<i>For Embossed Panel Door, Add</i>	123.92	
			<i>For Baked Enamel Finish, Add</i>	177.87	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-37.30	
			<i>For >100, Deduct</i>	-54.04	
			<i>For Polystyrene Core, Add</i>	51.63	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	129.09	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	64.54	
08 13 13-0010	EA		3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	689.80	79.75
			<i>For Galvanized Steel Door, Add</i>	106.06	
			<i>For Type 304 Stainless Steel Door, Add</i>	424.23	
			<i>For Type 316 Stainless Steel Door, Add</i>	689.38	
			<i>For Embossed Panel Door, Add</i>	127.27	
			<i>For Baked Enamel Finish, Add</i>	183.01	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-38.48	
			<i>For >100, Deduct</i>	-55.72	
			<i>For Polystyrene Core, Add</i>	53.03	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	132.57	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	66.29	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0011 EA 4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	758.38	86.14
For Galvanized Steel Door, Add	117.22	
For Type 304 Stainless Steel Door, Add	468.89	
For Type 316 Stainless Steel Door, Add	761.94	
For Embossed Panel Door, Add	140.67	
For Baked Enamel Finish, Add	201.67	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.23	
For >100, Deduct	-61.19	
For Polystyrene Core, Add	58.61	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.53	
For Continuously Welded And Filled Vertical Edge Seam, Add	73.26	
 08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13 13-0013 EA 2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	610.50	70.18
For Galvanized Steel Door, Add	94.03	
For Type 304 Stainless Steel Door, Add	376.10	
For Type 316 Stainless Steel Door, Add	611.17	
For Embossed Panel Door, Add	112.83	
For Baked Enamel Finish, Add	162.09	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.03	
For >100, Deduct	-49.30	
For Polystyrene Core, Add	47.01	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.53	
For Continuously Welded And Filled Vertical Edge Seam, Add	58.77	
08 13 13 13-0014 EA 2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	610.50	70.18
For Galvanized Steel Door, Add	94.03	
For Type 304 Stainless Steel Door, Add	376.10	
For Type 316 Stainless Steel Door, Add	611.17	
For Embossed Panel Door, Add	112.83	
For Baked Enamel Finish, Add	162.09	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.03	
For >100, Deduct	-49.30	
For Polystyrene Core, Add	47.01	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.53	
For Continuously Welded And Filled Vertical Edge Seam, Add	58.77	
08 13 13 13-0015 EA 2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	626.49	73.37
For Galvanized Steel Door, Add	95.95	
For Type 304 Stainless Steel Door, Add	383.79	
For Type 316 Stainless Steel Door, Add	623.66	
For Embossed Panel Door, Add	115.14	
For Baked Enamel Finish, Add	165.93	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.99	
For >100, Deduct	-50.66	
For Polystyrene Core, Add	47.97	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.94	
For Continuously Welded And Filled Vertical Edge Seam, Add	59.97	
08 13 13 13-0016 EA 2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	633.65	73.37
For Galvanized Steel Door, Add	97.38	
For Type 304 Stainless Steel Door, Add	389.52	
For Type 316 Stainless Steel Door, Add	632.97	
For Embossed Panel Door, Add	116.86	
For Baked Enamel Finish, Add	168.08	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.35	
For >100, Deduct	-51.19	
For Polystyrene Core, Add	48.69	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	121.73	
For Continuously Welded And Filled Vertical Edge Seam, Add	60.86	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0017	EA 2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	639.70	74.97
	<i>For Galvanized Steel Door, Add</i>	97.95	
	<i>For Type 304 Stainless Steel Door, Add</i>	391.81	
	<i>For Type 316 Stainless Steel Door, Add</i>	636.69	
	<i>For Embossed Panel Door, Add</i>	117.54	
	<i>For Baked Enamel Finish, Add</i>	169.42	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-35.73	
	<i>For >100, Deduct</i>	-51.73	
	<i>For Polystyrene Core, Add</i>	48.98	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	122.44	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	61.22	
08 13 13 13-0018	EA 3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	645.76	76.56
	<i>For Galvanized Steel Door, Add</i>	98.53	
	<i>For Type 304 Stainless Steel Door, Add</i>	394.10	
	<i>For Type 316 Stainless Steel Door, Add</i>	640.42	
	<i>For Embossed Panel Door, Add</i>	118.23	
	<i>For Baked Enamel Finish, Add</i>	170.76	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-36.12	
	<i>For >100, Deduct</i>	-52.26	
	<i>For Polystyrene Core, Add</i>	49.26	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	123.16	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	61.58	
08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	682.99	76.56
	<i>For Galvanized Steel Door, Add</i>	105.97	
	<i>For Type 304 Stainless Steel Door, Add</i>	423.89	
	<i>For Type 316 Stainless Steel Door, Add</i>	688.82	
	<i>For Embossed Panel Door, Add</i>	127.17	
	<i>For Baked Enamel Finish, Add</i>	181.93	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-37.98	
	<i>For >100, Deduct</i>	-55.05	
	<i>For Polystyrene Core, Add</i>	52.99	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	132.47	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	66.23	
08 13 13 13-0020	EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	703.69	79.75
	<i>For Galvanized Steel Door, Add</i>	108.84	
	<i>For Type 304 Stainless Steel Door, Add</i>	435.34	
	<i>For Type 316 Stainless Steel Door, Add</i>	707.43	
	<i>For Embossed Panel Door, Add</i>	130.60	
	<i>For Baked Enamel Finish, Add</i>	187.18	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-39.17	
	<i>For >100, Deduct</i>	-56.76	
	<i>For Polystyrene Core, Add</i>	54.42	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	136.05	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	68.02	
08 13 13 13-0021	EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	773.74	86.14
	<i>For Galvanized Steel Door, Add</i>	120.29	
	<i>For Type 304 Stainless Steel Door, Add</i>	481.18	
	<i>For Type 316 Stainless Steel Door, Add</i>	781.91	
	<i>For Embossed Panel Door, Add</i>	144.35	
	<i>For Baked Enamel Finish, Add</i>	206.28	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-42.99	
	<i>For >100, Deduct</i>	-62.34	
	<i>For Polystyrene Core, Add</i>	60.15	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	150.37	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	75.18	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0023 EA 2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	622.16	70.18
For Galvanized Steel Door, Add	96.36	
For Type 304 Stainless Steel Door, Add	385.43	
For Type 316 Stainless Steel Door, Add	626.33	
For Embossed Panel Door, Add	115.63	
For Baked Enamel Finish, Add	165.59	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.62	
For >100, Deduct	-50.17	
For Polystyrene Core, Add	48.18	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.45	
For Continuously Welded And Filled Vertical Edge Seam, Add	60.22	
08 13 13 13-0024 EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	622.16	70.18
For Galvanized Steel Door, Add	96.36	
For Type 304 Stainless Steel Door, Add	385.43	
For Type 316 Stainless Steel Door, Add	626.33	
For Embossed Panel Door, Add	115.63	
For Baked Enamel Finish, Add	165.59	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-34.62	
For >100, Deduct	-50.17	
For Polystyrene Core, Add	48.18	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.45	
For Continuously Welded And Filled Vertical Edge Seam, Add	60.22	
08 13 13 13-0025 EA 2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	638.39	73.37
For Galvanized Steel Door, Add	98.33	
For Type 304 Stainless Steel Door, Add	393.31	
For Type 316 Stainless Steel Door, Add	639.13	
For Embossed Panel Door, Add	117.99	
For Baked Enamel Finish, Add	169.50	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.59	
For >100, Deduct	-51.55	
For Polystyrene Core, Add	49.16	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	61.46	
08 13 13 13-0026 EA 2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	645.73	73.37
For Galvanized Steel Door, Add	99.80	
For Type 304 Stainless Steel Door, Add	399.18	
For Type 316 Stainless Steel Door, Add	648.67	
For Embossed Panel Door, Add	119.76	
For Baked Enamel Finish, Add	171.71	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.96	
For >100, Deduct	-52.10	
For Polystyrene Core, Add	49.90	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.75	
For Continuously Welded And Filled Vertical Edge Seam, Add	62.37	
08 13 13 13-0027 EA 2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	651.85	74.97
For Galvanized Steel Door, Add	100.38	
For Type 304 Stainless Steel Door, Add	401.53	
For Type 316 Stainless Steel Door, Add	652.48	
For Embossed Panel Door, Add	120.46	
For Baked Enamel Finish, Add	173.06	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.34	
For >100, Deduct	-52.64	
For Polystyrene Core, Add	50.19	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.48	
For Continuously Welded And Filled Vertical Edge Seam, Add	62.74	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0028	EA 3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	657.98	76.56
	<i>For Galvanized Steel Door, Add</i>	100.97	
	<i>For Type 304 Stainless Steel Door, Add</i>	403.88	
	<i>For Type 316 Stainless Steel Door, Add</i>	656.31	
	<i>For Embossed Panel Door, Add</i>	121.16	
	<i>For Baked Enamel Finish, Add</i>	174.42	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-36.73	
	<i>For >100, Deduct</i>	-53.18	
	<i>For Polystyrene Core, Add</i>	50.49	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	126.21	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	63.11	
08 13 13 13-0029	EA 3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	696.13	76.56
	<i>For Galvanized Steel Door, Add</i>	108.60	
	<i>For Type 304 Stainless Steel Door, Add</i>	434.40	
	<i>For Type 316 Stainless Steel Door, Add</i>	705.90	
	<i>For Embossed Panel Door, Add</i>	130.32	
	<i>For Baked Enamel Finish, Add</i>	185.87	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-38.63	
	<i>For >100, Deduct</i>	-56.04	
	<i>For Polystyrene Core, Add</i>	54.30	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	135.75	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	67.88	
08 13 13 13-0030	EA 3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	717.19	79.75
	<i>For Galvanized Steel Door, Add</i>	111.54	
	<i>For Type 304 Stainless Steel Door, Add</i>	446.14	
	<i>For Type 316 Stainless Steel Door, Add</i>	724.98	
	<i>For Embossed Panel Door, Add</i>	133.84	
	<i>For Baked Enamel Finish, Add</i>	191.23	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-39.85	
	<i>For >100, Deduct</i>	-57.78	
	<i>For Polystyrene Core, Add</i>	55.77	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	139.42	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	69.71	
08 13 13 13-0031	EA 4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	788.65	86.14
	<i>For Galvanized Steel Door, Add</i>	123.28	
	<i>For Type 304 Stainless Steel Door, Add</i>	493.10	
	<i>For Type 316 Stainless Steel Door, Add</i>	801.29	
	<i>For Embossed Panel Door, Add</i>	147.93	
	<i>For Baked Enamel Finish, Add</i>	210.75	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-43.74	
	<i>For >100, Deduct</i>	-63.46	
	<i>For Polystyrene Core, Add</i>	61.64	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	154.10	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	77.05	
08 13 13 13-0032	18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13		
	¹³⁾		
08 13 13 13-0033	6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13-0032)		



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0034 EA 2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	635.56	70.18
For Galvanized Steel Door, Add	99.04	
For Type 304 Stainless Steel Door, Add	396.15	
For Type 316 Stainless Steel Door, Add	643.75	
For Embossed Panel Door, Add	118.85	
For Baked Enamel Finish, Add	169.61	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.29	
For >100, Deduct	-51.18	
For 2" Thick Door, Add	39.41	
For Polystyrene Core, Add	49.52	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.80	
For Continuously Welded And Filled Vertical Edge Seam, Add	61.90	
For Steel Stiffened, Add	123.80	
08 13 13 13-0035 EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	635.56	70.18
For Galvanized Steel Door, Add	99.04	
For Type 304 Stainless Steel Door, Add	396.15	
For Type 316 Stainless Steel Door, Add	643.75	
For Embossed Panel Door, Add	118.85	
For Baked Enamel Finish, Add	169.61	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.29	
For >100, Deduct	-51.18	
For 2" Thick Door, Add	39.41	
For Polystyrene Core, Add	49.52	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.80	
For Continuously Welded And Filled Vertical Edge Seam, Add	61.90	
For Steel Stiffened, Add	123.80	
08 13 13 13-0036 EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	652.06	73.37
For Galvanized Steel Door, Add	101.06	
For Type 304 Stainless Steel Door, Add	404.25	
For Type 316 Stainless Steel Door, Add	656.90	
For Embossed Panel Door, Add	121.27	
For Baked Enamel Finish, Add	173.61	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.27	
For >100, Deduct	-52.57	
For 2" Thick Door, Add	40.30	
For Polystyrene Core, Add	50.53	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.33	
For Continuously Welded And Filled Vertical Edge Seam, Add	63.16	
For Steel Stiffened, Add	126.33	
08 13 13 13-0037 EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	659.60	73.37
For Galvanized Steel Door, Add	102.57	
For Type 304 Stainless Steel Door, Add	410.28	
For Type 316 Stainless Steel Door, Add	666.71	
For Embossed Panel Door, Add	123.08	
For Baked Enamel Finish, Add	175.87	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.65	
For >100, Deduct	-53.14	
For 2" Thick Door, Add	40.85	
For Polystyrene Core, Add	51.29	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.21	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.11	
For Steel Stiffened, Add	128.21	

08	08	Openings
	08 10	Doors and Frames
	08 13	Metal Doors



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	665.80	74.97
		<i>For Galvanized Steel Door, Add</i>	103.17	
		<i>For Type 304 Stainless Steel Door, Add</i>	412.69	
		<i>For Type 316 Stainless Steel Door, Add</i>	670.62	
		<i>For Embossed Panel Door, Add</i>	123.81	
		<i>For Baked Enamel Finish, Add</i>	177.25	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-37.04	
		<i>For >100, Deduct</i>	-53.68	
		<i>For 2" Thick Door, Add</i>	41.15	
		<i>For Polystyrene Core, Add</i>	51.59	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	128.97	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	64.48	
		<i>For Steel Stiffened, Add</i>	128.97	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	672.02	76.56
		<i>For Galvanized Steel Door, Add</i>	103.78	
		<i>For Type 304 Stainless Steel Door, Add</i>	415.11	
		<i>For Type 316 Stainless Steel Door, Add</i>	674.56	
		<i>For Embossed Panel Door, Add</i>	124.53	
		<i>For Baked Enamel Finish, Add</i>	178.64	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-37.43	
		<i>For >100, Deduct</i>	-54.23	
		<i>For 2" Thick Door, Add</i>	41.45	
		<i>For Polystyrene Core, Add</i>	51.89	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	129.72	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	64.86	
		<i>For Steel Stiffened, Add</i>	129.72	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	711.24	76.56
		<i>For Galvanized Steel Door, Add</i>	111.62	
		<i>For Type 304 Stainless Steel Door, Add</i>	446.49	
		<i>For Type 316 Stainless Steel Door, Add</i>	725.54	
		<i>For Embossed Panel Door, Add</i>	133.95	
		<i>For Baked Enamel Finish, Add</i>	190.40	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-39.39	
		<i>For >100, Deduct</i>	-57.17	
		<i>For 2" Thick Door, Add</i>	44.29	
		<i>For Polystyrene Core, Add</i>	55.81	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	139.53	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	69.76	
		<i>For Steel Stiffened, Add</i>	139.53	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	732.70	79.75
		<i>For Galvanized Steel Door, Add</i>	114.64	
		<i>For Type 304 Stainless Steel Door, Add</i>	458.55	
		<i>For Type 316 Stainless Steel Door, Add</i>	745.15	
		<i>For Embossed Panel Door, Add</i>	137.57	
		<i>For Baked Enamel Finish, Add</i>	195.88	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-40.62	
		<i>For >100, Deduct</i>	-58.94	
		<i>For 2" Thick Door, Add</i>	45.54	
		<i>For Polystyrene Core, Add</i>	57.32	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	143.30	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	71.65	
		<i>For Steel Stiffened, Add</i>	143.30	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0042 EA 4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	805.80	86.14
For Galvanized Steel Door, Add	126.71	
For Type 304 Stainless Steel Door, Add	506.82	
For Type 316 Stainless Steel Door, Add	823.59	
For Embossed Panel Door, Add	152.05	
For Baked Enamel Finish, Add	215.90	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.60	
For >100, Deduct	-64.74	
For 2" Thick Door, Add	50.24	
For Polystyrene Core, Add	63.35	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	158.38	
For Continuously Welded And Filled Vertical Edge Seam, Add	79.19	
For Steel Stiffened, Add	158.38	
08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0044 EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	647.31	70.18
For Galvanized Steel Door, Add	101.39	
For Type 304 Stainless Steel Door, Add	405.55	
For Type 316 Stainless Steel Door, Add	659.02	
For Embossed Panel Door, Add	121.67	
For Baked Enamel Finish, Add	173.14	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.87	
For >100, Deduct	-52.06	
For 2" Thick Door, Add	40.26	
For Polystyrene Core, Add	50.69	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.74	
For Continuously Welded And Filled Vertical Edge Seam, Add	63.37	
For Steel Stiffened, Add	126.74	
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	647.31	70.18
For Galvanized Steel Door, Add	101.39	
For Type 304 Stainless Steel Door, Add	405.55	
For Type 316 Stainless Steel Door, Add	659.02	
For Embossed Panel Door, Add	121.67	
For Baked Enamel Finish, Add	173.14	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.87	
For >100, Deduct	-52.06	
For 2" Thick Door, Add	40.26	
For Polystyrene Core, Add	50.69	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.74	
For Continuously Welded And Filled Vertical Edge Seam, Add	63.37	
For Steel Stiffened, Add	126.74	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	664.06	73.37
For Galvanized Steel Door, Add	103.46	
For Type 304 Stainless Steel Door, Add	413.85	
For Type 316 Stainless Steel Door, Add	672.50	
For Embossed Panel Door, Add	124.15	
For Baked Enamel Finish, Add	177.21	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.87	
For >100, Deduct	-53.47	
For 2" Thick Door, Add	41.17	
For Polystyrene Core, Add	51.73	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.33	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.66	
For Steel Stiffened, Add	129.33	

08	08	Openings
	08 10	Doors and Frames
	08 13	Metal Doors



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0047 EA 2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	671.78	73.37
For Galvanized Steel Door, Add	105.01	
For Type 304 Stainless Steel Door, Add	420.02	
For Type 316 Stainless Steel Door, Add	682.54	
For Embossed Panel Door, Add	126.01	
For Baked Enamel Finish, Add	179.52	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-37.26	
For >100, Deduct	-54.05	
For 2" Thick Door, Add	41.73	
For Polystyrene Core, Add	52.50	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	131.26	
For Continuously Welded And Filled Vertical Edge Seam, Add	65.63	
For Steel Stiffened, Add	131.26	
08 13 13 13-0048 EA 2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	678.05	74.97
For Galvanized Steel Door, Add	105.62	
For Type 304 Stainless Steel Door, Add	422.49	
For Type 316 Stainless Steel Door, Add	686.54	
For Embossed Panel Door, Add	126.75	
For Baked Enamel Finish, Add	180.92	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-37.65	
For >100, Deduct	-54.60	
For 2" Thick Door, Add	42.04	
For Polystyrene Core, Add	52.81	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.03	
For Continuously Welded And Filled Vertical Edge Seam, Add	66.01	
For Steel Stiffened, Add	132.03	
08 13 13 13-0049 EA 3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	684.33	76.56
For Galvanized Steel Door, Add	106.24	
For Type 304 Stainless Steel Door, Add	424.96	
For Type 316 Stainless Steel Door, Add	690.56	
For Embossed Panel Door, Add	127.49	
For Baked Enamel Finish, Add	182.33	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-38.04	
For >100, Deduct	-55.15	
For 2" Thick Door, Add	42.34	
For Polystyrene Core, Add	53.12	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.80	
For Continuously Welded And Filled Vertical Edge Seam, Add	66.40	
For Steel Stiffened, Add	132.80	
08 13 13 13-0050 EA 3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	724.48	76.56
For Galvanized Steel Door, Add	114.27	
For Type 304 Stainless Steel Door, Add	457.08	
For Type 316 Stainless Steel Door, Add	742.76	
For Embossed Panel Door, Add	137.12	
For Baked Enamel Finish, Add	194.37	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-40.05	
For >100, Deduct	-58.16	
For 2" Thick Door, Add	45.25	
For Polystyrene Core, Add	57.14	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	142.84	
For Continuously Welded And Filled Vertical Edge Seam, Add	71.42	
For Steel Stiffened, Add	142.84	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051 EA 3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	746.30	79.75
For Galvanized Steel Door, Add	117.36	
For Type 304 Stainless Steel Door, Add	469.43	
For Type 316 Stainless Steel Door, Add	762.83	
For Embossed Panel Door, Add	140.83	
For Baked Enamel Finish, Add	199.96	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.30	
For >100, Deduct	-59.96	
For 2" Thick Door, Add	46.53	
For Polystyrene Core, Add	58.68	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.70	
For Continuously Welded And Filled Vertical Edge Seam, Add	73.35	
For Steel Stiffened, Add	146.70	
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	820.83	86.14
For Galvanized Steel Door, Add	129.71	
For Type 304 Stainless Steel Door, Add	518.85	
For Type 316 Stainless Steel Door, Add	843.13	
For Embossed Panel Door, Add	155.65	
For Baked Enamel Finish, Add	220.41	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-45.35	
For >100, Deduct	-65.87	
For 2" Thick Door, Add	51.33	
For Polystyrene Core, Add	64.86	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.14	
For Continuously Welded And Filled Vertical Edge Seam, Add	81.07	
For Steel Stiffened, Add	162.14	
08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	659.06	70.18
For Galvanized Steel Door, Add	103.74	
For Type 304 Stainless Steel Door, Add	414.95	
For Type 316 Stainless Steel Door, Add	674.30	
For Embossed Panel Door, Add	124.49	
For Baked Enamel Finish, Add	176.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.46	
For >100, Deduct	-52.94	
For 2" Thick Door, Add	41.11	
For Polystyrene Core, Add	51.87	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.84	
For Steel Stiffened, Add	129.67	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	659.06	70.18
For Galvanized Steel Door, Add	103.74	
For Type 304 Stainless Steel Door, Add	414.95	
For Type 316 Stainless Steel Door, Add	674.30	
For Embossed Panel Door, Add	124.49	
For Baked Enamel Finish, Add	176.66	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.46	
For >100, Deduct	-52.94	
For 2" Thick Door, Add	41.11	
For Polystyrene Core, Add	51.87	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.84	
For Steel Stiffened, Add	129.67	

08	08	Openings
	08 10	Doors and Frames
	08 13	Metal Doors



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	676.05		73.37
		<i>For Galvanized Steel Door, Add</i>		105.86	
		<i>For Type 304 Stainless Steel Door, Add</i>		423.44	
		<i>For Type 316 Stainless Steel Door, Add</i>		688.09	
		<i>For Embossed Panel Door, Add</i>		127.03	
		<i>For Baked Enamel Finish, Add</i>		180.80	
		<i>For 20 Minute Fire Rated Door, Add</i>		27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>		41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>		55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>		93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>		131.50	
		<i>For >50 To 100, Deduct</i>		-37.47	
		<i>For >100, Deduct</i>		-54.37	
		<i>For 2" Thick Door, Add</i>		42.04	
		<i>For Polystyrene Core, Add</i>		52.93	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>		132.33	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>		66.16	
		<i>For Steel Stiffened, Add</i>		132.33	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	683.95		73.37
		<i>For Galvanized Steel Door, Add</i>		107.44	
		<i>For Type 304 Stainless Steel Door, Add</i>		429.76	
		<i>For Type 316 Stainless Steel Door, Add</i>		698.36	
		<i>For Embossed Panel Door, Add</i>		128.93	
		<i>For Baked Enamel Finish, Add</i>		183.17	
		<i>For 20 Minute Fire Rated Door, Add</i>		27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>		41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>		55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>		93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>		131.50	
		<i>For >50 To 100, Deduct</i>		-37.87	
		<i>For >100, Deduct</i>		-54.97	
		<i>For 2" Thick Door, Add</i>		42.62	
		<i>For Polystyrene Core, Add</i>		53.72	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>		134.30	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>		67.15	
		<i>For Steel Stiffened, Add</i>		134.30	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	696.65		76.56
		<i>For Galvanized Steel Door, Add</i>		108.70	
		<i>For Type 304 Stainless Steel Door, Add</i>		434.82	
		<i>For Type 316 Stainless Steel Door, Add</i>		706.58	
		<i>For Embossed Panel Door, Add</i>		130.44	
		<i>For Baked Enamel Finish, Add</i>		186.03	
		<i>For 20 Minute Fire Rated Door, Add</i>		27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>		41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>		55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>		93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>		131.50	
		<i>For >50 To 100, Deduct</i>		-38.66	
		<i>For >100, Deduct</i>		-56.08	
		<i>For 2" Thick Door, Add</i>		43.23	
		<i>For Polystyrene Core, Add</i>		54.35	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>		135.88	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>		67.94	
		<i>For Steel Stiffened, Add</i>		135.88	
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	737.73		76.56
		<i>For Galvanized Steel Door, Add</i>		116.92	
		<i>For Type 304 Stainless Steel Door, Add</i>		467.68	
		<i>For Type 316 Stainless Steel Door, Add</i>		759.98	
		<i>For Embossed Panel Door, Add</i>		140.30	
		<i>For Baked Enamel Finish, Add</i>		198.35	
		<i>For 20 Minute Fire Rated Door, Add</i>		27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>		41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>		55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>		93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>		131.50	
		<i>For >50 To 100, Deduct</i>		-40.71	
		<i>For >100, Deduct</i>		-59.16	
		<i>For 2" Thick Door, Add</i>		46.21	
		<i>For Polystyrene Core, Add</i>		58.46	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>		146.15	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>		73.08	
		<i>For Steel Stiffened, Add</i>		146.15	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060 EA 3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	759.91	79.75
For Galvanized Steel Door, Add	120.08	
For Type 304 Stainless Steel Door, Add	480.32	
For Type 316 Stainless Steel Door, Add	780.52	
For Embossed Panel Door, Add	144.10	
For Baked Enamel Finish, Add	204.05	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.98	
For >100, Deduct	-60.98	
For 2" Thick Door, Add	47.52	
For Polystyrene Core, Add	60.04	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.10	
For Continuously Welded And Filled Vertical Edge Seam, Add	75.05	
For Steel Stiffened, Add	150.10	
08 13 13 13-0061 EA 4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	835.87	86.14
For Galvanized Steel Door, Add	132.72	
For Type 304 Stainless Steel Door, Add	530.88	
For Type 316 Stainless Steel Door, Add	862.68	
For Embossed Panel Door, Add	159.26	
For Baked Enamel Finish, Add	224.92	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.10	
For >100, Deduct	-67.00	
For 2" Thick Door, Add	52.42	
For Polystyrene Core, Add	66.36	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	165.90	
For Continuously Welded And Filled Vertical Edge Seam, Add	82.95	
For Steel Stiffened, Add	165.90	
08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0063 EA 2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	756.00	70.18
For Up To 1' Extra Height, Add	170.34	
For 1' To 1'-6" Extra Height, Add	324.99	
For Galvanized Steel Door, Add	123.13	
For Type 304 Stainless Steel Door, Add	492.50	
For Type 316 Stainless Steel Door, Add	800.32	
For Embossed Panel Door, Add	147.75	
For Baked Enamel Finish, Add	205.74	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.31	
For >100, Deduct	-60.21	
For 2" Thick Door, Add	48.14	
For Polystyrene Core, Add	61.56	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	153.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	76.95	
For Steel Stiffened, Add	153.91	
08 13 13 13-0064 EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	756.00	70.18
For Up To 1' Extra Height, Add	170.34	
For 1' To 1'-6" Extra Height, Add	324.99	
For Galvanized Steel Door, Add	123.13	
For Type 304 Stainless Steel Door, Add	492.50	
For Type 316 Stainless Steel Door, Add	800.32	
For Embossed Panel Door, Add	147.75	
For Baked Enamel Finish, Add	205.74	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.31	
For >100, Deduct	-60.21	
For 2" Thick Door, Add	48.14	
For Polystyrene Core, Add	61.56	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	153.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	76.95	
For Steel Stiffened, Add	153.91	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 13 13-0065	EA 2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	774.97	73.37
	For Up To 1' Extra Height, Add	173.83	
	For 1' To 1'-6" Extra Height, Add	331.64	
	For Galvanized Steel Door, Add	125.64	
	For Type 304 Stainless Steel Door, Add	502.58	
	For Type 316 Stainless Steel Door, Add	816.69	
	For Embossed Panel Door, Add	150.77	
	For Baked Enamel Finish, Add	210.48	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.42	
	For >100, Deduct	-61.79	
	For 2" Thick Door, Add	49.21	
	For Polystyrene Core, Add	62.82	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.06	
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.53	
	For Steel Stiffened, Add	157.06	
08 13 13-0066	EA 2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	784.35	73.37
	For Up To 1' Extra Height, Add	176.42	
	For 1' To 1'-6" Extra Height, Add	336.59	
	For Galvanized Steel Door, Add	127.52	
	For Type 304 Stainless Steel Door, Add	510.08	
	For Type 316 Stainless Steel Door, Add	828.88	
	For Embossed Panel Door, Add	153.02	
	For Baked Enamel Finish, Add	213.29	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.89	
	For >100, Deduct	-62.50	
	For 2" Thick Door, Add	49.89	
	For Polystyrene Core, Add	63.76	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.40	
	For Continuously Welded And Filled Vertical Edge Seam, Add	79.70	
	For Steel Stiffened, Add	159.40	
08 13 13-0067	EA 2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	791.28	74.97
	For Up To 1' Extra Height, Add	177.46	
	For 1' To 1'-6" Extra Height, Add	338.56	
	For Galvanized Steel Door, Add	128.27	
	For Type 304 Stainless Steel Door, Add	513.07	
	For Type 316 Stainless Steel Door, Add	833.74	
	For Embossed Panel Door, Add	153.92	
	For Baked Enamel Finish, Add	214.89	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.31	
	For >100, Deduct	-63.09	
	For 2" Thick Door, Add	50.25	
	For Polystyrene Core, Add	64.13	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.34	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.17	
	For Steel Stiffened, Add	160.34	
08 13 13-0068	EA 3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	798.22	76.56
	For Up To 1' Extra Height, Add	178.50	
	For 1' To 1'-6" Extra Height, Add	340.54	
	For Galvanized Steel Door, Add	129.02	
	For Type 304 Stainless Steel Door, Add	516.07	
	For Type 316 Stainless Steel Door, Add	838.62	
	For Embossed Panel Door, Add	154.82	
	For Baked Enamel Finish, Add	216.50	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.74	
	For >100, Deduct	-63.69	
	For 2" Thick Door, Add	50.60	
	For Polystyrene Core, Add	64.51	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.27	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.64	
	For Steel Stiffened, Add	161.27	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0069 EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	846.98	76.56
For Up To 1' Extra Height, Add	191.99	
For 1' To 1'-6" Extra Height, Add	366.28	
For Galvanized Steel Door, Add	138.77	
For Type 304 Stainless Steel Door, Add	555.08	
For Type 316 Stainless Steel Door, Add	902.01	
For Embossed Panel Door, Add	166.52	
For Baked Enamel Finish, Add	231.12	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.18	
For >100, Deduct	-67.35	
For 2" Thick Door, Add	54.13	
For Polystyrene Core, Add	69.39	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	173.46	
For Continuously Welded And Filled Vertical Edge Seam, Add	86.73	
For Steel Stiffened, Add	173.46	
08 13 13 13-0070 EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	872.12	79.75
For Up To 1' Extra Height, Add	197.18	
For 1' To 1'-6" Extra Height, Add	376.19	
For Galvanized Steel Door, Add	142.52	
For Type 304 Stainless Steel Door, Add	570.09	
For Type 316 Stainless Steel Door, Add	926.39	
For Embossed Panel Door, Add	171.03	
For Baked Enamel Finish, Add	237.71	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.59	
For >100, Deduct	-69.40	
For 2" Thick Door, Add	55.65	
For Polystyrene Core, Add	71.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.15	
For Continuously Welded And Filled Vertical Edge Seam, Add	89.08	
For Steel Stiffened, Add	178.15	
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	959.89	86.14
For Up To 1' Extra Height, Add	217.93	
For 1' To 1'-6" Extra Height, Add	415.78	
For Galvanized Steel Door, Add	157.52	
For Type 304 Stainless Steel Door, Add	630.10	
For Type 316 Stainless Steel Door, Add	1,023.91	
For Embossed Panel Door, Add	189.03	
For Baked Enamel Finish, Add	262.13	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-52.30	
For >100, Deduct	-76.30	
For 2" Thick Door, Add	61.41	
For Polystyrene Core, Add	78.76	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.91	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.45	
For Steel Stiffened, Add	196.91	
08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	826.20	70.18
For 14 Gauge, Level 4 Maximum Duty, Add	274.33	
For Galvanized Steel Door, Add	137.17	
For Type 304 Stainless Steel Door, Add	548.66	
For Type 316 Stainless Steel Door, Add	891.58	
For Embossed Panel Door, Add	164.60	
For Baked Enamel Finish, Add	226.80	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-44.82	
For >100, Deduct	-65.47	
For 2" Thick Door, Add	53.23	
For Polystyrene Core, Add	68.58	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.46	
For Continuously Welded And Filled Vertical Edge Seam, Add	85.73	
For Steel Stiffened, Add	171.46	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13-0075	EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	826.20	70.18
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	274.33	
	<i>For Galvanized Steel Door, Add</i>	137.17	
	<i>For Type 304 Stainless Steel Door, Add</i>	548.66	
	<i>For Type 316 Stainless Steel Door, Add</i>	891.58	
	<i>For Embossed Panel Door, Add</i>	164.60	
	<i>For Baked Enamel Finish, Add</i>	226.80	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-44.82	
	<i>For >100, Deduct</i>	-65.47	
	<i>For 2" Thick Door, Add</i>	53.23	
	<i>For Polystyrene Core, Add</i>	68.58	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	171.46	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	85.73	
	<i>For Steel Stiffened, Add</i>	171.46	
08 13 13-0076	EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	846.61	73.37
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	279.94	
	<i>For Galvanized Steel Door, Add</i>	139.97	
	<i>For Type 304 Stainless Steel Door, Add</i>	559.89	
	<i>For Type 316 Stainless Steel Door, Add</i>	909.82	
	<i>For Embossed Panel Door, Add</i>	167.97	
	<i>For Baked Enamel Finish, Add</i>	231.97	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-46.00	
	<i>For >100, Deduct</i>	-67.16	
	<i>For 2" Thick Door, Add</i>	54.41	
	<i>For Polystyrene Core, Add</i>	69.99	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	174.97	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	87.48	
	<i>For Steel Stiffened, Add</i>	174.97	
08 13 13-0077	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	857.05	73.37
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	284.12	
	<i>For Galvanized Steel Door, Add</i>	142.06	
	<i>For Type 304 Stainless Steel Door, Add</i>	568.24	
	<i>For Type 316 Stainless Steel Door, Add</i>	923.39	
	<i>For Embossed Panel Door, Add</i>	170.47	
	<i>For Baked Enamel Finish, Add</i>	235.10	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-46.52	
	<i>For >100, Deduct</i>	-67.95	
	<i>For 2" Thick Door, Add</i>	55.17	
	<i>For Polystyrene Core, Add</i>	71.03	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	177.58	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	88.79	
	<i>For Steel Stiffened, Add</i>	177.58	
08 13 13-0078	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	864.44	74.97
	<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	285.80	
	<i>For Galvanized Steel Door, Add</i>	142.90	
	<i>For Type 304 Stainless Steel Door, Add</i>	571.60	
	<i>For Type 316 Stainless Steel Door, Add</i>	928.85	
	<i>For Embossed Panel Door, Add</i>	171.48	
	<i>For Baked Enamel Finish, Add</i>	236.84	
	<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
	<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
	<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
	<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
	<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
	<i>For >50 To 100, Deduct</i>	-46.97	
	<i>For >100, Deduct</i>	-68.58	
	<i>For 2" Thick Door, Add</i>	55.55	
	<i>For Polystyrene Core, Add</i>	71.45	
	<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	178.63	
	<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	89.31	
	<i>For Steel Stiffened, Add</i>	178.63	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0079 EA 3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	871.79	76.56
For 14 Gauge, Level 4 Maximum Duty, Add	287.46	
For Galvanized Steel Door, Add	143.73	
For Type 304 Stainless Steel Door, Add	574.93	
For Type 316 Stainless Steel Door, Add	934.26	
For Embossed Panel Door, Add	172.48	
For Baked Enamel Finish, Add	238.57	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.42	
For >100, Deduct	-69.21	
For 2" Thick Door, Add	55.93	
For Polystyrene Core, Add	71.87	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.67	
For Continuously Welded And Filled Vertical Edge Seam, Add	89.83	
For Steel Stiffened, Add	179.67	
08 13 13 13-0080 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	926.11	76.56
For 14 Gauge, Level 4 Maximum Duty, Add	309.19	
For Galvanized Steel Door, Add	154.60	
For Type 304 Stainless Steel Door, Add	618.38	
For Type 316 Stainless Steel Door, Add	1,004.87	
For Embossed Panel Door, Add	185.52	
For Baked Enamel Finish, Add	254.86	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-50.13	
For >100, Deduct	-73.29	
For 2" Thick Door, Add	59.87	
For Polystyrene Core, Add	77.30	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	193.25	
For Continuously Welded And Filled Vertical Edge Seam, Add	96.62	
For Steel Stiffened, Add	193.25	
08 13 13 13-0081 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	953.38	79.75
For 14 Gauge, Level 4 Maximum Duty, Add	317.55	
For Galvanized Steel Door, Add	158.77	
For Type 304 Stainless Steel Door, Add	635.10	
For Type 316 Stainless Steel Door, Add	1,032.03	
For Embossed Panel Door, Add	190.53	
For Baked Enamel Finish, Add	262.09	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-51.66	
For >100, Deduct	-75.49	
For 2" Thick Door, Add	61.54	
For Polystyrene Core, Add	79.39	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	198.47	
For Continuously Welded And Filled Vertical Edge Seam, Add	99.23	
For Steel Stiffened, Add	198.47	
08 13 13 13-0082 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,049.70	86.14
For 14 Gauge, Level 4 Maximum Duty, Add	350.97	
For Galvanized Steel Door, Add	175.49	
For Type 304 Stainless Steel Door, Add	701.94	
For Type 316 Stainless Steel Door, Add	1,140.66	
For Embossed Panel Door, Add	210.58	
For Baked Enamel Finish, Add	289.07	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-56.79	
For >100, Deduct	-83.03	
For 2" Thick Door, Add	67.92	
For Polystyrene Core, Add	87.74	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	219.36	
For Continuously Welded And Filled Vertical Edge Seam, Add	109.68	
For Steel Stiffened, Add	219.36	

08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0084	EA		2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	842.48	70.18
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	280.84	
			<i>For Galvanized Steel Door, Add</i>	140.42	
			<i>For Type 304 Stainless Steel Door, Add</i>	561.69	
			<i>For Type 316 Stainless Steel Door, Add</i>	912.74	
			<i>For Embossed Panel Door, Add</i>	168.51	
			<i>For Baked Enamel Finish, Add</i>	231.69	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.63	
			<i>For >100, Deduct</i>	-66.70	
			<i>For 2" Thick Door, Add</i>	54.41	
			<i>For Polystyrene Core, Add</i>	70.21	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	175.53	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	87.76	
			<i>For Steel Stiffened, Add</i>	175.53	
08 13 13-0085	EA		2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	842.48	70.18
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	280.84	
			<i>For Galvanized Steel Door, Add</i>	140.42	
			<i>For Type 304 Stainless Steel Door, Add</i>	561.69	
			<i>For Type 316 Stainless Steel Door, Add</i>	912.74	
			<i>For Embossed Panel Door, Add</i>	168.51	
			<i>For Baked Enamel Finish, Add</i>	231.69	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-45.63	
			<i>For >100, Deduct</i>	-66.70	
			<i>For 2" Thick Door, Add</i>	54.41	
			<i>For Polystyrene Core, Add</i>	70.21	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	175.53	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	87.76	
			<i>For Steel Stiffened, Add</i>	175.53	
08 13 13-0086	EA		2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	863.22	73.37
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	286.59	
			<i>For Galvanized Steel Door, Add</i>	143.29	
			<i>For Type 304 Stainless Steel Door, Add</i>	573.18	
			<i>For Type 316 Stainless Steel Door, Add</i>	931.41	
			<i>For Embossed Panel Door, Add</i>	171.95	
			<i>For Baked Enamel Finish, Add</i>	236.95	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-46.83	
			<i>For >100, Deduct</i>	-68.41	
			<i>For 2" Thick Door, Add</i>	55.61	
			<i>For Polystyrene Core, Add</i>	71.65	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	179.12	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	89.56	
			<i>For Steel Stiffened, Add</i>	179.12	
08 13 13-0087	EA		2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	873.91	73.37
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	290.86	
			<i>For Galvanized Steel Door, Add</i>	145.43	
			<i>For Type 304 Stainless Steel Door, Add</i>	581.73	
			<i>For Type 316 Stainless Steel Door, Add</i>	945.31	
			<i>For Embossed Panel Door, Add</i>	174.52	
			<i>For Baked Enamel Finish, Add</i>	240.16	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-47.36	
			<i>For >100, Deduct</i>	-69.21	
			<i>For 2" Thick Door, Add</i>	56.39	
			<i>For Polystyrene Core, Add</i>	72.72	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	181.79	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	90.90	
			<i>For Steel Stiffened, Add</i>	181.79	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0088 EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	881.38	74.97
For 14 Gauge, Level 4 Maximum Duty, Add	292.58	
For Galvanized Steel Door, Add	146.29	
For Type 304 Stainless Steel Door, Add	585.15	
For Type 316 Stainless Steel Door, Add	950.87	
For Embossed Panel Door, Add	175.55	
For Baked Enamel Finish, Add	241.92	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.82	
For >100, Deduct	-69.85	
For 2" Thick Door, Add	56.78	
For Polystyrene Core, Add	73.14	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	182.86	
For Continuously Welded And Filled Vertical Edge Seam, Add	91.43	
For Steel Stiffened, Add	182.86	
08 13 13 13-0089 EA 3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	888.84	76.56
For 14 Gauge, Level 4 Maximum Duty, Add	294.28	
For Galvanized Steel Door, Add	147.14	
For Type 304 Stainless Steel Door, Add	588.57	
For Type 316 Stainless Steel Door, Add	956.42	
For Embossed Panel Door, Add	176.57	
For Baked Enamel Finish, Add	243.68	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.27	
For >100, Deduct	-70.49	
For 2" Thick Door, Add	57.17	
For Polystyrene Core, Add	73.57	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.93	
For Continuously Welded And Filled Vertical Edge Seam, Add	91.96	
For Steel Stiffened, Add	183.93	
08 13 13 13-0090 EA 3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	944.45	76.56
For 14 Gauge, Level 4 Maximum Duty, Add	316.53	
For Galvanized Steel Door, Add	158.26	
For Type 304 Stainless Steel Door, Add	633.06	
For Type 316 Stainless Steel Door, Add	1,028.72	
For Embossed Panel Door, Add	189.92	
For Baked Enamel Finish, Add	260.37	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-51.05	
For >100, Deduct	-74.66	
For 2" Thick Door, Add	61.20	
For Polystyrene Core, Add	79.13	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	197.83	
For Continuously Welded And Filled Vertical Edge Seam, Add	98.92	
For Steel Stiffened, Add	197.83	
08 13 13 13-0091 EA 3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	972.22	79.75
For 14 Gauge, Level 4 Maximum Duty, Add	325.08	
For Galvanized Steel Door, Add	162.54	
For Type 304 Stainless Steel Door, Add	650.17	
For Type 316 Stainless Steel Door, Add	1,056.52	
For Embossed Panel Door, Add	195.05	
For Baked Enamel Finish, Add	267.74	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-52.60	
For >100, Deduct	-76.90	
For 2" Thick Door, Add	62.91	
For Polystyrene Core, Add	81.27	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	203.18	
For Continuously Welded And Filled Vertical Edge Seam, Add	101.59	
For Steel Stiffened, Add	203.18	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0092	EA 4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,070.53	86.14
	For 14 Gauge, Level 4 Maximum Duty, Add	359.30	
	For Galvanized Steel Door, Add	179.65	
	For Type 304 Stainless Steel Door, Add	718.61	
	For Type 316 Stainless Steel Door, Add	1,167.74	
	For Embossed Panel Door, Add	215.58	
	For Baked Enamel Finish, Add	295.32	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-57.83	
	For >100, Deduct	-84.60	
	For 2" Thick Door, Add	69.43	
	For Polystyrene Core, Add	89.83	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	224.57	
	For Continuously Welded And Filled Vertical Edge Seam, Add	112.28	
	For Steel Stiffened, Add	224.57	
08 13 13 13-0093	7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0094	EA 2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	858.76	70.18
	For 14 Gauge, Level 4 Maximum Duty, Add	287.36	
	For Galvanized Steel Door, Add	143.68	
	For Type 304 Stainless Steel Door, Add	574.71	
	For Type 316 Stainless Steel Door, Add	933.91	
	For Embossed Panel Door, Add	172.41	
	For Baked Enamel Finish, Add	236.57	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-46.45	
	For >100, Deduct	-67.92	
	For 2" Thick Door, Add	55.59	
	For Polystyrene Core, Add	71.84	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.60	
	For Continuously Welded And Filled Vertical Edge Seam, Add	89.80	
	For Steel Stiffened, Add	179.60	
08 13 13 13-0095	EA 2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	858.76	70.18
	For 14 Gauge, Level 4 Maximum Duty, Add	287.36	
	For Galvanized Steel Door, Add	143.68	
	For Type 304 Stainless Steel Door, Add	574.71	
	For Type 316 Stainless Steel Door, Add	933.91	
	For Embossed Panel Door, Add	172.41	
	For Baked Enamel Finish, Add	236.57	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-46.45	
	For >100, Deduct	-67.92	
	For 2" Thick Door, Add	55.59	
	For Polystyrene Core, Add	71.84	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.60	
	For Continuously Welded And Filled Vertical Edge Seam, Add	89.80	
	For Steel Stiffened, Add	179.60	
08 13 13 13-0096	EA 2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	879.83	73.37
	For 14 Gauge, Level 4 Maximum Duty, Add	293.23	
	For Galvanized Steel Door, Add	146.62	
	For Type 304 Stainless Steel Door, Add	586.46	
	For Type 316 Stainless Steel Door, Add	953.00	
	For Embossed Panel Door, Add	175.94	
	For Baked Enamel Finish, Add	241.94	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.66	
	For >100, Deduct	-69.66	
	For 2" Thick Door, Add	56.82	
	For Polystyrene Core, Add	73.31	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.27	
	For Continuously Welded And Filled Vertical Edge Seam, Add	91.64	
	For Steel Stiffened, Add	183.27	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0097 EA 2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	890.77	73.37
For 14 Gauge, Level 4 Maximum Duty, Add	297.61	
For Galvanized Steel Door, Add	148.80	
For Type 304 Stainless Steel Door, Add	595.22	
For Type 316 Stainless Steel Door, Add	967.23	
For Embossed Panel Door, Add	178.56	
For Baked Enamel Finish, Add	245.22	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.21	
For >100, Deduct	-70.48	
For 2" Thick Door, Add	57.61	
For Polystyrene Core, Add	74.40	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	186.01	
For Continuously Welded And Filled Vertical Edge Seam, Add	93.00	
For Steel Stiffened, Add	186.01	
08 13 13 13-0098 EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	898.35	74.97
For 14 Gauge, Level 4 Maximum Duty, Add	299.36	
For Galvanized Steel Door, Add	149.68	
For Type 304 Stainless Steel Door, Add	598.73	
For Type 316 Stainless Steel Door, Add	972.93	
For Embossed Panel Door, Add	179.62	
For Baked Enamel Finish, Add	247.01	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.67	
For >100, Deduct	-71.12	
For 2" Thick Door, Add	58.01	
For Polystyrene Core, Add	74.84	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.10	
For Continuously Welded And Filled Vertical Edge Seam, Add	93.55	
For Steel Stiffened, Add	187.10	
08 13 13 13-0099 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	905.90	76.56
For 14 Gauge, Level 4 Maximum Duty, Add	301.11	
For Galvanized Steel Door, Add	150.55	
For Type 304 Stainless Steel Door, Add	602.22	
For Type 316 Stainless Steel Door, Add	978.60	
For Embossed Panel Door, Add	180.66	
For Baked Enamel Finish, Add	248.80	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.12	
For >100, Deduct	-71.77	
For 2" Thick Door, Add	58.40	
For Polystyrene Core, Add	75.28	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	188.19	
For Continuously Welded And Filled Vertical Edge Seam, Add	94.10	
For Steel Stiffened, Add	188.19	
08 13 13 13-0100 EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	962.80	76.56
For 14 Gauge, Level 4 Maximum Duty, Add	323.87	
For Galvanized Steel Door, Add	161.93	
For Type 304 Stainless Steel Door, Add	647.74	
For Type 316 Stainless Steel Door, Add	1,052.57	
For Embossed Panel Door, Add	194.32	
For Baked Enamel Finish, Add	265.87	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-51.97	
For >100, Deduct	-76.04	
For 2" Thick Door, Add	62.53	
For Polystyrene Core, Add	80.97	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.42	
For Continuously Welded And Filled Vertical Edge Seam, Add	101.21	
For Steel Stiffened, Add	202.42	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	991.06	79.75
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	332.62	
			<i>For Galvanized Steel Door, Add</i>	166.31	
			<i>For Type 304 Stainless Steel Door, Add</i>	665.24	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,081.02	
			<i>For Embossed Panel Door, Add</i>	199.57	
			<i>For Baked Enamel Finish, Add</i>	273.39	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-53.54	
			<i>For >100, Deduct</i>	-78.32	
			<i>For 2" Thick Door, Add</i>	64.28	
			<i>For Polystyrene Core, Add</i>	83.16	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	207.89	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	103.94	
			<i>For Steel Stiffened, Add</i>	207.89	
08 13 13	13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,091.35	86.14
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	367.63	
			<i>For Galvanized Steel Door, Add</i>	183.82	
			<i>For Type 304 Stainless Steel Door, Add</i>	735.26	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,194.80	
			<i>For Embossed Panel Door, Add</i>	220.58	
			<i>For Baked Enamel Finish, Add</i>	301.56	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-58.87	
			<i>For >100, Deduct</i>	-86.16	
			<i>For 2" Thick Door, Add</i>	70.94	
			<i>For Polystyrene Core, Add</i>	91.91	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	229.77	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	114.89	
			<i>For Steel Stiffened, Add</i>	229.77	
08 13 13	13-0103		8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13	13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	993.02	70.18
			<i>For Up To 1' Extra Height, Add</i>	235.93	
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	341.06	
			<i>For Galvanized Steel Door, Add</i>	170.53	
			<i>For Type 304 Stainless Steel Door, Add</i>	682.12	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,108.45	
			<i>For Embossed Panel Door, Add</i>	204.64	
			<i>For Baked Enamel Finish, Add</i>	276.85	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-53.16	
			<i>For >100, Deduct</i>	-77.99	
			<i>For 2" Thick Door, Add</i>	65.33	
			<i>For Polystyrene Core, Add</i>	85.27	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	213.16	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	106.58	
			<i>For Steel Stiffened, Add</i>	213.16	
08 13 13	13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	993.02	70.18
			<i>For Up To 1' Extra Height, Add</i>	235.93	
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	341.06	
			<i>For Galvanized Steel Door, Add</i>	170.53	
			<i>For Type 304 Stainless Steel Door, Add</i>	682.12	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,108.45	
			<i>For Embossed Panel Door, Add</i>	204.64	
			<i>For Baked Enamel Finish, Add</i>	276.85	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-53.16	
			<i>For >100, Deduct</i>	-77.99	
			<i>For 2" Thick Door, Add</i>	65.33	
			<i>For Polystyrene Core, Add</i>	85.27	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	213.16	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	106.58	
			<i>For Steel Stiffened, Add</i>	213.16	



Openings	08	08
Doors and Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0106 EA 2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,016.84	73.37
For Up To 1' Extra Height, Add	240.75	
For 14 Gauge, Level 4 Maximum Duty, Add	348.04	
For Galvanized Steel Door, Add	174.02	
For Type 304 Stainless Steel Door, Add	696.07	
For Type 316 Stainless Steel Door, Add	1,131.12	
For Embossed Panel Door, Add	208.82	
For Baked Enamel Finish, Add	283.04	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-54.51	
For >100, Deduct	-79.93	
For 2" Thick Door, Add	66.75	
For Polystyrene Core, Add	87.01	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.52	
For Continuously Welded And Filled Vertical Edge Seam, Add	108.76	
For Steel Stiffened, Add	217.52	
08 13 13 13-0107 EA 2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,029.82	73.37
For Up To 1' Extra Height, Add	244.35	
For 14 Gauge, Level 4 Maximum Duty, Add	353.23	
For Galvanized Steel Door, Add	176.61	
For Type 304 Stainless Steel Door, Add	706.46	
For Type 316 Stainless Steel Door, Add	1,147.99	
For Embossed Panel Door, Add	211.94	
For Baked Enamel Finish, Add	286.93	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.16	
For >100, Deduct	-80.91	
For 2" Thick Door, Add	67.69	
For Polystyrene Core, Add	88.31	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	220.77	
For Continuously Welded And Filled Vertical Edge Seam, Add	110.38	
For Steel Stiffened, Add	220.77	
08 13 13 13-0108 EA 2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,038.20	74.97
For Up To 1' Extra Height, Add	245.78	
For 14 Gauge, Level 4 Maximum Duty, Add	355.30	
For Galvanized Steel Door, Add	177.65	
For Type 304 Stainless Steel Door, Add	710.61	
For Type 316 Stainless Steel Door, Add	1,154.74	
For Embossed Panel Door, Add	213.18	
For Baked Enamel Finish, Add	288.97	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.66	
For >100, Deduct	-81.61	
For 2" Thick Door, Add	68.15	
For Polystyrene Core, Add	88.83	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	222.07	
For Continuously Welded And Filled Vertical Edge Seam, Add	111.03	
For Steel Stiffened, Add	222.07	
08 13 13 13-0109 EA 3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,046.59	76.56
For Up To 1' Extra Height, Add	247.22	
For 14 Gauge, Level 4 Maximum Duty, Add	357.38	
For Galvanized Steel Door, Add	178.69	
For Type 304 Stainless Steel Door, Add	714.77	
For Type 316 Stainless Steel Door, Add	1,161.50	
For Embossed Panel Door, Add	214.43	
For Baked Enamel Finish, Add	291.01	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-56.16	
For >100, Deduct	-82.32	
For 2" Thick Door, Add	68.60	
For Polystyrene Core, Add	89.35	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	223.37	
For Continuously Welded And Filled Vertical Edge Seam, Add	111.68	
For Steel Stiffened, Add	223.37	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0110	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,114.12	76.56
			<i>For Up To 1' Extra Height, Add</i>	265.91	
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	384.40	
			<i>For Galvanized Steel Door, Add</i>	192.20	
			<i>For Type 304 Stainless Steel Door, Add</i>	768.79	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,249.29	
			<i>For Embossed Panel Door, Add</i>	230.64	
			<i>For Baked Enamel Finish, Add</i>	311.27	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-59.53	
			<i>For >100, Deduct</i>	-87.39	
			<i>For 2" Thick Door, Add</i>	73.50	
			<i>For Polystyrene Core, Add</i>	96.10	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	240.25	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	120.12	
			<i>For Steel Stiffened, Add</i>	240.25	
08 13 13	13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,146.47	79.75
			<i>For Up To 1' Extra Height, Add</i>	273.09	
			<i>For 1' To 1'-6" Extra Height, Add</i>	521.02	
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	394.78	
			<i>For Galvanized Steel Door, Add</i>	197.39	
			<i>For Type 304 Stainless Steel Door, Add</i>	789.57	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,283.05	
			<i>For Embossed Panel Door, Add</i>	236.87	
			<i>For Baked Enamel Finish, Add</i>	320.01	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-61.31	
			<i>For >100, Deduct</i>	-89.97	
			<i>For 2" Thick Door, Add</i>	75.54	
			<i>For Polystyrene Core, Add</i>	98.70	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	246.74	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	123.37	
			<i>For Steel Stiffened, Add</i>	246.74	
08 13 13	13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,263.12	86.14
			<i>For Up To 1' Extra Height, Add</i>	301.84	
			<i>For 1' To 1'-6" Extra Height, Add</i>	575.86	
			<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	436.34	
			<i>For Galvanized Steel Door, Add</i>	218.17	
			<i>For Type 304 Stainless Steel Door, Add</i>	872.68	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,418.11	
			<i>For Embossed Panel Door, Add</i>	261.80	
			<i>For Baked Enamel Finish, Add</i>	353.10	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-67.46	
			<i>For >100, Deduct</i>	-99.04	
			<i>For 2" Thick Door, Add</i>	83.39	
			<i>For Polystyrene Core, Add</i>	109.09	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	272.71	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	136.36	
			<i>For Steel Stiffened, Add</i>	272.71	
08 13 13 53	Custom Hollow Metal Doors <small>(08 13 13)</small>				
08 13 13 53-0001	Steel 18 Gauge 1-3/4" Unrated Door <small>(08 13 13 53)</small>				
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,839.05	159.51	
		<i>For 16 Gauge Door, Add</i>	20.30		
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,930.06	191.41	
		<i>For 16 Gauge Door, Add</i>	20.30		
08 13 73	Sliding Metal Doors <small>(08 13)</small>				
08 13 73 00-0001	Sliding Bypass Mirror Doors <small>(08 13 73)</small>				
	Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.				
08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	593.44	95.70	
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	676.13	102.08	
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	758.80	108.47	
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	911.40	114.85	
08 14	Wood Doors <small>(08 10)</small>				
	Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.				



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)

08 14 16 00-0002 Birch Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0003 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.29	70.18
For >50 To 100, Deduct	-16.52	
For >100, Deduct	-23.03	
08 14 16 00-0004 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	260.29	70.18
For >50 To 100, Deduct	-16.52	
For >100, Deduct	-23.03	
08 14 16 00-0005 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	275.18	73.37
For >50 To 100, Deduct	-17.43	
For >100, Deduct	-24.31	
08 14 16 00-0006 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	281.43	73.37
For >50 To 100, Deduct	-17.74	
For >100, Deduct	-24.78	
08 14 16 00-0007 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	282.89	73.37
For >50 To 100, Deduct	-17.81	
For >100, Deduct	-24.89	
08 14 16 00-0008 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	290.01	76.56
For >50 To 100, Deduct	-18.33	
For >100, Deduct	-25.58	
08 14 16 00-0009 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	303.38	76.56
For >50 To 100, Deduct	-19.00	
For >100, Deduct	-26.58	
08 14 16 00-0010 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.38	79.75
For >50 To 100, Deduct	-19.96	
For >100, Deduct	-27.94	
08 14 16 00-0011 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	267.29	70.18
For >50 To 100, Deduct	-16.87	
For >100, Deduct	-23.56	
08 14 16 00-0012 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	267.29	70.18
For >50 To 100, Deduct	-16.87	
For >100, Deduct	-23.56	
08 14 16 00-0013 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	282.66	73.37
For >50 To 100, Deduct	-17.80	
For >100, Deduct	-24.87	
08 14 16 00-0014 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	289.27	73.37
For >50 To 100, Deduct	-18.13	
For >100, Deduct	-25.36	
08 14 16 00-0015 EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	290.82	73.37
For >50 To 100, Deduct	-18.21	
For >100, Deduct	-25.48	
08 14 16 00-0016 EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	297.97	76.56
For >50 To 100, Deduct	-18.73	
For >100, Deduct	-26.18	
08 14 16 00-0017 EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	312.12	76.56
For >50 To 100, Deduct	-19.43	
For >100, Deduct	-27.24	
08 14 16 00-0018 EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.67	79.75
For >50 To 100, Deduct	-20.42	
For >100, Deduct	-28.64	
08 14 16 00-0019 EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	292.03	70.18
For >50 To 100, Deduct	-18.11	
For >100, Deduct	-25.41	
For 9' Door Height, Add	31.85	
08 14 16 00-0020 EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	292.03	70.18
For >50 To 100, Deduct	-18.11	
For >100, Deduct	-25.41	
For 9' Door Height, Add	31.85	
08 14 16 00-0021 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	309.17	73.37
For >50 To 100, Deduct	-19.13	
For >100, Deduct	-26.86	
For 9' Door Height, Add	34.11	
08 14 16 00-0022 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	317.05	73.37
For >50 To 100, Deduct	-19.52	
For >100, Deduct	-27.45	
For 9' Door Height, Add	35.76	
08 14 16 00-0023 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	318.91	73.37
For >50 To 100, Deduct	-19.61	
For >100, Deduct	-27.59	
For 9' Door Height, Add	36.15	
08 14 16 00-0024 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	326.21	76.56
For >50 To 100, Deduct	-20.14	
For >100, Deduct	-28.29	
For 9' Door Height, Add	36.35	
08 14 16 00-0025 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	343.12	76.56
For >50 To 100, Deduct	-20.98	
For >100, Deduct	-29.56	
For 9' Door Height, Add	39.90	
08 14 16 00-0026 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	361.65	79.75
For >50 To 100, Deduct	-22.07	
For >100, Deduct	-31.11	
For 9' Door Height, Add	42.45	

08 Openings

08 10 Doors and Frames

08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0027			Oak Faced Wood Door <small>(08 14 16 00-0001)</small>		
08 14 16 00-0028	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	317.91	70.18
			<i>For >50 To 100, Deduct</i>	-19.40	
			<i>For >100, Deduct</i>	-27.35	
08 14 16 00-0029	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	317.91	70.18
			<i>For >50 To 100, Deduct</i>	-19.40	
			<i>For >100, Deduct</i>	-27.35	
08 14 16 00-0030	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	336.87	73.37
			<i>For >50 To 100, Deduct</i>	-20.51	
			<i>For >100, Deduct</i>	-28.93	
08 14 16 00-0031	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	346.13	73.37
			<i>For >50 To 100, Deduct</i>	-20.98	
			<i>For >100, Deduct</i>	-29.63	
08 14 16 00-0032	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	347.76	73.37
			<i>For >50 To 100, Deduct</i>	-21.06	
			<i>For >100, Deduct</i>	-29.75	
08 14 16 00-0033	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	355.77	76.56
			<i>For >50 To 100, Deduct</i>	-21.62	
			<i>For >100, Deduct</i>	-30.51	
08 14 16 00-0034	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	375.54	76.56
			<i>For >50 To 100, Deduct</i>	-22.61	
			<i>For >100, Deduct</i>	-31.99	
08 14 16 00-0035	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	396.16	79.75
			<i>For >50 To 100, Deduct</i>	-23.80	
			<i>For >100, Deduct</i>	-33.70	
08 14 16 00-0036	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	328.24	70.18
			<i>For >50 To 100, Deduct</i>	-19.92	
			<i>For >100, Deduct</i>	-28.13	
08 14 16 00-0037	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	328.24	70.18
			<i>For >50 To 100, Deduct</i>	-19.92	
			<i>For >100, Deduct</i>	-28.13	
08 14 16 00-0038	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	347.94	73.37
			<i>For >50 To 100, Deduct</i>	-21.07	
			<i>For >100, Deduct</i>	-29.76	
08 14 16 00-0039	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	357.73	73.37
			<i>For >50 To 100, Deduct</i>	-21.56	
			<i>For >100, Deduct</i>	-30.50	
08 14 16 00-0040	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	359.45	73.37
			<i>For >50 To 100, Deduct</i>	-21.64	
			<i>For >100, Deduct</i>	-30.63	
08 14 16 00-0041	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	367.55	76.56
			<i>For >50 To 100, Deduct</i>	-22.21	
			<i>For >100, Deduct</i>	-31.39	
08 14 16 00-0042	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	388.47	76.56
			<i>For >50 To 100, Deduct</i>	-23.25	
			<i>For >100, Deduct</i>	-32.96	
08 14 16 00-0043	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	409.93	79.75
			<i>For >50 To 100, Deduct</i>	-24.48	
			<i>For >100, Deduct</i>	-34.73	
08 14 16 00-0044	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	364.88	70.18
			<i>For >50 To 100, Deduct</i>	-21.75	
			<i>For >100, Deduct</i>	-30.88	
			<i>For 9' Door Height, Add</i>	47.15	
08 14 16 00-0045	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	364.88	70.18
			<i>For >50 To 100, Deduct</i>	-21.75	
			<i>For >100, Deduct</i>	-30.88	
			<i>For 9' Door Height, Add</i>	47.15	
08 14 16 00-0046	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	387.17	73.37
			<i>For >50 To 100, Deduct</i>	-23.03	
			<i>For >100, Deduct</i>	-32.71	
			<i>For 9' Door Height, Add</i>	50.49	
08 14 16 00-0047	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	398.86	73.37
			<i>For >50 To 100, Deduct</i>	-23.61	
			<i>For >100, Deduct</i>	-33.58	
			<i>For 9' Door Height, Add</i>	52.94	
08 14 16 00-0048	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	400.94	73.37
			<i>For >50 To 100, Deduct</i>	-23.72	
			<i>For >100, Deduct</i>	-33.74	
			<i>For 9' Door Height, Add</i>	53.38	
08 14 16 00-0049	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	409.37	76.56
			<i>For >50 To 100, Deduct</i>	-24.30	
			<i>For >100, Deduct</i>	-34.53	
			<i>For 9' Door Height, Add</i>	53.81	
08 14 16 00-0050	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	434.38	76.56
			<i>For >50 To 100, Deduct</i>	-25.55	
			<i>For >100, Deduct</i>	-36.41	
			<i>For 9' Door Height, Add</i>	59.06	
08 14 16 00-0051	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	458.77	79.75
			<i>For >50 To 100, Deduct</i>	-26.93	
			<i>For >100, Deduct</i>	-38.40	
			<i>For 9' Door Height, Add</i>	62.84	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0052 Maple Faced Wood Door <small>(08 14 16 00-0001)</small>						
08 14 16 00-0053	EA	2'-0"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	318.38	70.18
				<i>For >50 To 100, Deduct</i>	-19.43	
				<i>For >100, Deduct</i>	-27.39	
08 14 16 00-0054	EA	2'-4"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	318.38	70.18
				<i>For >50 To 100, Deduct</i>	-19.43	
				<i>For >100, Deduct</i>	-27.39	
08 14 16 00-0055	EA	2'-6"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	337.36	73.37
				<i>For >50 To 100, Deduct</i>	-20.54	
				<i>For >100, Deduct</i>	-28.97	
08 14 16 00-0056	EA	2'-8"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	346.66	73.37
				<i>For >50 To 100, Deduct</i>	-21.00	
				<i>For >100, Deduct</i>	-29.67	
08 14 16 00-0057	EA	2'-10"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.29	73.37
				<i>For >50 To 100, Deduct</i>	-21.08	
				<i>For >100, Deduct</i>	-29.79	
08 14 16 00-0058	EA	3'-0"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	356.31	76.56
				<i>For >50 To 100, Deduct</i>	-21.64	
				<i>For >100, Deduct</i>	-30.55	
08 14 16 00-0059	EA	3'-4"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	376.12	76.56
				<i>For >50 To 100, Deduct</i>	-22.63	
				<i>For >100, Deduct</i>	-32.04	
08 14 16 00-0060	EA	3'-6"	x 6'-8"	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	396.78	79.75
				<i>For >50 To 100, Deduct</i>	-23.83	
				<i>For >100, Deduct</i>	-33.75	
08 14 16 00-0061	EA	2'-0"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.72	70.18
				<i>For >50 To 100, Deduct</i>	-19.95	
				<i>For >100, Deduct</i>	-28.16	
08 14 16 00-0062	EA	2'-4"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.72	70.18
				<i>For >50 To 100, Deduct</i>	-19.95	
				<i>For >100, Deduct</i>	-28.16	
08 14 16 00-0063	EA	2'-6"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.47	73.37
				<i>For >50 To 100, Deduct</i>	-21.09	
				<i>For >100, Deduct</i>	-29.80	
08 14 16 00-0064	EA	2'-8"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	358.28	73.37
				<i>For >50 To 100, Deduct</i>	-21.58	
				<i>For >100, Deduct</i>	-30.54	
08 14 16 00-0065	EA	2'-10"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	360.02	73.37
				<i>For >50 To 100, Deduct</i>	-21.67	
				<i>For >100, Deduct</i>	-30.67	
08 14 16 00-0066	EA	3'-0"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	368.11	76.56
				<i>For >50 To 100, Deduct</i>	-22.23	
				<i>For >100, Deduct</i>	-31.44	
08 14 16 00-0067	EA	3'-4"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	389.09	76.56
				<i>For >50 To 100, Deduct</i>	-23.28	
				<i>For >100, Deduct</i>	-33.01	
08 14 16 00-0068	EA	3'-6"	x 7'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	410.59	79.75
				<i>For >50 To 100, Deduct</i>	-24.52	
				<i>For >100, Deduct</i>	-34.78	
08 14 16 00-0069	EA	2'-0"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	365.47	70.18
				<i>For >50 To 100, Deduct</i>	-21.78	
				<i>For >100, Deduct</i>	-30.92	
				<i>For 9' Door Height, Add</i>	47.27	
08 14 16 00-0070	EA	2'-4"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	365.47	70.18
				<i>For >50 To 100, Deduct</i>	-21.78	
				<i>For >100, Deduct</i>	-30.92	
				<i>For 9' Door Height, Add</i>	47.27	
08 14 16 00-0071	EA	2'-6"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.79	73.37
				<i>For >50 To 100, Deduct</i>	-23.06	
				<i>For >100, Deduct</i>	-32.75	
				<i>For 9' Door Height, Add</i>	50.62	
08 14 16 00-0072	EA	2'-8"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	399.51	73.37
				<i>For >50 To 100, Deduct</i>	-23.64	
				<i>For >100, Deduct</i>	-33.63	
				<i>For 9' Door Height, Add</i>	53.08	
08 14 16 00-0073	EA	2'-10"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.60	73.37
				<i>For >50 To 100, Deduct</i>	-23.75	
				<i>For >100, Deduct</i>	-33.79	
				<i>For 9' Door Height, Add</i>	53.52	
08 14 16 00-0074	EA	3'-0"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	410.04	76.56
				<i>For >50 To 100, Deduct</i>	-24.33	
				<i>For >100, Deduct</i>	-34.58	
				<i>For 9' Door Height, Add</i>	53.95	
08 14 16 00-0075	EA	3'-4"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.13	76.56
				<i>For >50 To 100, Deduct</i>	-25.58	
				<i>For >100, Deduct</i>	-36.46	
				<i>For 9' Door Height, Add</i>	59.22	
08 14 16 00-0076	EA	3'-6"	x 8'	x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	459.55	79.75
				<i>For >50 To 100, Deduct</i>	-26.97	
				<i>For >100, Deduct</i>	-38.45	
				<i>For 9' Door Height, Add</i>	63.01	

08 14 16 00-0077 Lauan Faced Wood Doors (08 14 16 00-0001)

08 Openings

08 10 Doors and Frames

08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	231.55 -15.09 -20.88	70.18
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	231.55 -15.09 -20.88	70.18
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	244.11 -15.87 -21.98	73.37
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	249.33 -16.14 -22.37	73.37
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	251.17 -16.23 -22.51	73.37
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	259.39 -16.80 -23.28	76.56
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	269.55 -17.31 -24.04	76.56
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	283.39 -18.16 -25.24	79.75
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	236.85 -15.35 -21.27	70.18
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	235.25 -15.27 -21.15	70.18
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	249.78 -16.16 -22.40	73.37
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	255.29 -16.43 -22.82	73.37
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	255.42 -16.44 -22.83	73.37
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	265.57 -17.11 -23.75	76.56
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	276.32 -17.64 -24.55	76.56
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	288.42 -18.41 -25.62	79.75
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	255.68 -16.29 -22.69	70.18
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For 9' Door Height, Add</i>	255.65 -16.29 -22.68 24.21	70.18
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For 9' Door Height, Add</i>	269.87 -17.16 -23.91 25.86	73.37
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For 9' Door Height, Add</i>	276.45 -17.49 -24.40 27.24	73.37
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For 9' Door Height, Add</i>	278.79 -17.61 -24.58 27.73	73.37
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For 9' Door Height, Add</i>	287.49 -18.20 -25.39 28.22	76.56
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For 9' Door Height, Add</i>	300.35 -18.85 -26.35 30.92	76.56
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For 9' Door Height, Add</i>	316.13 -19.79 -27.70 32.89	79.75

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0103	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	247.82 -15.90 -22.10	70.18
08 14 16 00-0104	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	247.82 -15.90 -22.10	70.18
08 14 16 00-0105	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	262.04 -16.77 -23.32	73.37
08 14 16 00-0106	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	265.74 -16.96 -23.60	73.37
08 14 16 00-0107	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	269.47 -17.14 -23.88	73.37
08 14 16 00-0108	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	279.55 -17.81 -24.79	76.56
08 14 16 00-0109	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	293.46 -18.50 -25.84	76.56
08 14 16 00-0110	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	308.81 -19.43 -27.15	79.75
08 14 16 00-0111	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	254.06 -16.21 -22.56	70.18
08 14 16 00-0112	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	254.07 -16.21 -22.56	70.18
08 14 16 00-0113	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	268.74 -17.11 -23.82	73.37
08 14 16 00-0114	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	272.67 -17.30 -24.12	73.37
08 14 16 00-0115	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	276.61 -17.50 -24.41	73.37
08 14 16 00-0116	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	286.92 -18.17 -25.35	76.56
08 14 16 00-0117	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	301.63 -18.91 -26.45	76.56
08 14 16 00-0118	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	317.51 -19.86 -27.80	79.75
08 14 16 00-0119	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	276.22 -17.32 -24.23	70.18
08 14 16 00-0120	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	276.25 -17.32 -24.23	70.18
08 14 16 00-0121	EA			2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	292.52 -18.29 -25.61	73.37
08 14 16 00-0122	EA			2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	297.24 -18.53 -25.96	73.37
08 14 16 00-0123	EA			2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	301.95 -18.77 -26.32	73.37
08 14 16 00-0124	EA			3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	313.02 -19.48 -27.30	76.56
08 14 16 00-0125	EA			3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	330.60 -20.36 -28.62	76.56
08 14 16 00-0126	EA			3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door <i>For >50 To 100, Deduct</i>	348.32 -21.40 -30.11	79.75

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors (08 14 16)

08 14 16 00-0128 Birch Faced Wood Doors (08 14 16 00-0127)

08 Openings

08 10 Doors and Frames

08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	290.27	70.18
			<i>For >50 To 100, Deduct</i>	-18.02	
			<i>For >100, Deduct</i>	-25.28	
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	290.27	70.18
			<i>For >50 To 100, Deduct</i>	-18.02	
			<i>For >100, Deduct</i>	-25.28	
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	302.30	73.37
			<i>For >50 To 100, Deduct</i>	-18.78	
			<i>For >100, Deduct</i>	-26.34	
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	304.41	73.37
			<i>For >50 To 100, Deduct</i>	-18.89	
			<i>For >100, Deduct</i>	-26.50	
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	309.02	73.37
			<i>For >50 To 100, Deduct</i>	-19.12	
			<i>For >100, Deduct</i>	-26.85	
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	320.01	76.56
			<i>For >50 To 100, Deduct</i>	-19.83	
			<i>For >100, Deduct</i>	-27.83	
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	344.48	76.56
			<i>For >50 To 100, Deduct</i>	-21.05	
			<i>For >100, Deduct</i>	-29.66	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	400.52	79.75
			<i>For >50 To 100, Deduct</i>	-24.01	
			<i>For >100, Deduct</i>	-34.03	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	412.57	79.75
			<i>For >50 To 100, Deduct</i>	-24.62	
			<i>For >100, Deduct</i>	-34.93	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	436.67	79.75
			<i>For >50 To 100, Deduct</i>	-25.82	
			<i>For >100, Deduct</i>	-36.74	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	299.00	70.18
			<i>For >50 To 100, Deduct</i>	-18.46	
			<i>For >100, Deduct</i>	-25.93	
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	299.00	70.18
			<i>For >50 To 100, Deduct</i>	-18.46	
			<i>For >100, Deduct</i>	-25.93	
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	311.35	73.37
			<i>For >50 To 100, Deduct</i>	-19.24	
			<i>For >100, Deduct</i>	-27.02	
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	313.59	73.37
			<i>For >50 To 100, Deduct</i>	-19.35	
			<i>For >100, Deduct</i>	-27.19	
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	318.47	73.37
			<i>For >50 To 100, Deduct</i>	-19.59	
			<i>For >100, Deduct</i>	-27.55	
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	329.71	76.56
			<i>For >50 To 100, Deduct</i>	-20.31	
			<i>For >100, Deduct</i>	-28.56	
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	355.62	76.56
			<i>For >50 To 100, Deduct</i>	-21.61	
			<i>For >100, Deduct</i>	-30.50	
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	414.56	79.75
			<i>For >50 To 100, Deduct</i>	-24.72	
			<i>For >100, Deduct</i>	-35.08	
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	427.30	79.75
			<i>For >50 To 100, Deduct</i>	-25.35	
			<i>For >100, Deduct</i>	-36.04	
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	452.81	79.75
			<i>For >50 To 100, Deduct</i>	-26.63	
			<i>For >100, Deduct</i>	-37.95	
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	329.94	70.18
			<i>For >50 To 100, Deduct</i>	-20.01	
			<i>For >100, Deduct</i>	-28.25	
			<i>For 9' Door Height, Add</i>	39.81	
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	329.94	70.18
			<i>For >50 To 100, Deduct</i>	-20.01	
			<i>For >100, Deduct</i>	-28.25	
			<i>For 9' Door Height, Add</i>	39.81	
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	343.46	73.37
			<i>For >50 To 100, Deduct</i>	-20.84	
			<i>For >100, Deduct</i>	-29.43	
			<i>For 9' Door Height, Add</i>	41.31	
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	346.11	73.37
			<i>For >50 To 100, Deduct</i>	-20.97	
			<i>For >100, Deduct</i>	-29.63	
			<i>For 9' Door Height, Add</i>	41.87	
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	351.96	73.37
			<i>For >50 To 100, Deduct</i>	-21.27	
			<i>For >100, Deduct</i>	-30.07	
			<i>For 9' Door Height, Add</i>	43.09	
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	364.14	76.56
			<i>For >50 To 100, Deduct</i>	-22.04	
			<i>For >100, Deduct</i>	-31.14	
			<i>For 9' Door Height, Add</i>	44.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0155	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	395.11 -23.58 -33.46 50.82	76.56
08 14 16 00-0156	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	464.29 -27.20 -38.81 64.00	79.75
08 14 16 00-0157	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	479.51 -27.96 -39.95 67.20	79.75
08 14 16 00-0158	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	510.01 -29.49 -42.24 73.61	79.75
08 14 16 00-0159 Oak Faced Wood Doors <small>(08 14 16 00-0127)</small>						
08 14 16 00-0160	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	376.46 -22.33 -31.74	70.18
08 14 16 00-0161	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	376.46 -22.33 -31.74	70.18
08 14 16 00-0162	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	391.71 -23.25 -33.05	73.37
08 14 16 00-0163	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	395.03 -23.42 -33.30	73.37
08 14 16 00-0164	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	402.30 -23.78 -33.84	73.37
08 14 16 00-0165	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.92 -24.62 -35.02	76.56
08 14 16 00-0166	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	454.47 -26.55 -37.91	76.56
08 14 16 00-0167	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	539.07 -30.94 -44.42	79.75
08 14 16 00-0168	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	558.06 -31.89 -45.84	79.75
08 14 16 00-0169	EA			4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	596.04 -33.79 -48.69	79.75
08 14 16 00-0170	EA			2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	390.19 -23.02 -32.77	70.18
08 14 16 00-0171	EA			2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	390.20 -23.02 -32.77	70.18
08 14 16 00-0172	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	405.96 -23.97 -34.12	73.37
08 14 16 00-0173	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	409.48 -24.14 -34.38	73.37
08 14 16 00-0174	EA			2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	417.17 -24.53 -34.96	73.37
08 14 16 00-0175	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	431.22 -25.39 -36.17	76.56
08 14 16 00-0176	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	472.01 -27.43 -39.23	76.56
08 14 16 00-0177	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	561.16 -32.05 -46.07	79.75
08 14 16 00-0178	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	581.27 -33.05 -47.58	79.75
08 14 16 00-0179	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	621.45 -35.06 -50.60	79.75
08 14 16 00-0180	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	438.89 -25.45 -36.43 62.69	70.18

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	438.92	70.18
		<i>For >50 To 100, Deduct</i>		-25.46	
		<i>For >100, Deduct</i>		-36.43	
		<i>For 9' Door Height, Add</i>		62.70	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	456.52	73.37
		<i>For >50 To 100, Deduct</i>		-26.49	
		<i>For >100, Deduct</i>		-37.91	
		<i>For 9' Door Height, Add</i>		65.05	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	460.70	73.37
		<i>For >50 To 100, Deduct</i>		-26.70	
		<i>For >100, Deduct</i>		-38.22	
		<i>For 9' Door Height, Add</i>		65.93	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	469.90	73.37
		<i>For >50 To 100, Deduct</i>		-27.16	
		<i>For >100, Deduct</i>		-38.91	
		<i>For 9' Door Height, Add</i>		67.86	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	485.45	76.56
		<i>For >50 To 100, Deduct</i>		-28.10	
		<i>For >100, Deduct</i>		-40.24	
		<i>For 9' Door Height, Add</i>		69.79	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	534.20	76.56
		<i>For >50 To 100, Deduct</i>		-30.54	
		<i>For >100, Deduct</i>		-43.89	
		<i>For 9' Door Height, Add</i>		80.02	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	639.49	79.75
		<i>For >50 To 100, Deduct</i>		-35.96	
		<i>For >100, Deduct</i>		-51.95	
		<i>For 9' Door Height, Add</i>		100.80	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	663.52	79.75
		<i>For >50 To 100, Deduct</i>		-37.16	
		<i>For >100, Deduct</i>		-53.75	
		<i>For 9' Door Height, Add</i>		105.84	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	711.54	79.75
		<i>For >50 To 100, Deduct</i>		-39.56	
		<i>For >100, Deduct</i>		-57.35	
		<i>For 9' Door Height, Add</i>		115.93	
08 14 16 00-0190		Maple Faced Wood Doors <small>(08 14 16 00-0127)</small>			
08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	377.07	70.18
		<i>For >50 To 100, Deduct</i>		-22.36	
		<i>For >100, Deduct</i>		-31.79	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	377.07	70.18
		<i>For >50 To 100, Deduct</i>		-22.36	
		<i>For >100, Deduct</i>		-31.79	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	392.35	73.37
		<i>For >50 To 100, Deduct</i>		-23.29	
		<i>For >100, Deduct</i>		-33.10	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	395.82	73.37
		<i>For >50 To 100, Deduct</i>		-23.46	
		<i>For >100, Deduct</i>		-33.36	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	403.04	73.37
		<i>For >50 To 100, Deduct</i>		-23.82	
		<i>For >100, Deduct</i>		-33.90	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	416.61	76.56
		<i>For >50 To 100, Deduct</i>		-24.66	
		<i>For >100, Deduct</i>		-35.07	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	455.26	76.56
		<i>For >50 To 100, Deduct</i>		-26.59	
		<i>For >100, Deduct</i>		-37.97	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	521.14	79.75
		<i>For >50 To 100, Deduct</i>		-30.04	
		<i>For >100, Deduct</i>		-43.07	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	559.10	79.75
		<i>For >50 To 100, Deduct</i>		-31.94	
		<i>For >100, Deduct</i>		-45.92	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	597.18	79.75
		<i>For >50 To 100, Deduct</i>		-33.85	
		<i>For >100, Deduct</i>		-48.78	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	390.85	70.18
		<i>For >50 To 100, Deduct</i>		-23.05	
		<i>For >100, Deduct</i>		-32.82	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	390.85	70.18
		<i>For >50 To 100, Deduct</i>		-23.05	
		<i>For >100, Deduct</i>		-32.82	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	406.63	73.37
		<i>For >50 To 100, Deduct</i>		-24.00	
		<i>For >100, Deduct</i>		-34.17	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	410.32	73.37
		<i>For >50 To 100, Deduct</i>		-24.18	
		<i>For >100, Deduct</i>		-34.44	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	417.94	73.37
		<i>For >50 To 100, Deduct</i>		-24.57	
		<i>For >100, Deduct</i>		-35.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0206	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	431.93	76.56
				<i>For >50 To 100, Deduct</i>	-25.42	
				<i>For >100, Deduct</i>	-36.22	
08 14 16 00-0207	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	472.84	76.56
				<i>For >50 To 100, Deduct</i>	-27.47	
				<i>For >100, Deduct</i>	-39.29	
08 14 16 00-0208	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	542.09	79.75
				<i>For >50 To 100, Deduct</i>	-31.09	
				<i>For >100, Deduct</i>	-44.64	
08 14 16 00-0209	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	582.38	79.75
				<i>For >50 To 100, Deduct</i>	-33.11	
				<i>For >100, Deduct</i>	-47.67	
08 14 16 00-0210	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	622.64	79.75
				<i>For >50 To 100, Deduct</i>	-35.12	
				<i>For >100, Deduct</i>	-50.69	
08 14 16 00-0211	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	439.70	70.18
				<i>For >50 To 100, Deduct</i>	-25.49	
				<i>For >100, Deduct</i>	-36.49	
				<i>For 9' Door Height, Add</i>	62.86	
08 14 16 00-0212	EA			2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	439.70	70.18
				<i>For >50 To 100, Deduct</i>	-25.49	
				<i>For >100, Deduct</i>	-36.49	
				<i>For 9' Door Height, Add</i>	62.86	
08 14 16 00-0213	EA			2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	457.31	73.37
				<i>For >50 To 100, Deduct</i>	-26.53	
				<i>For >100, Deduct</i>	-37.97	
				<i>For 9' Door Height, Add</i>	65.22	
08 14 16 00-0214	EA			2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	461.72	73.37
				<i>For >50 To 100, Deduct</i>	-26.75	
				<i>For >100, Deduct</i>	-38.30	
				<i>For 9' Door Height, Add</i>	66.14	
08 14 16 00-0215	EA			2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	470.79	73.37
				<i>For >50 To 100, Deduct</i>	-27.21	
				<i>For >100, Deduct</i>	-38.98	
				<i>For 9' Door Height, Add</i>	68.05	
08 14 16 00-0216	EA			3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	486.30	76.56
				<i>For >50 To 100, Deduct</i>	-28.14	
				<i>For >100, Deduct</i>	-40.30	
				<i>For 9' Door Height, Add</i>	69.97	
08 14 16 00-0217	EA			3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	535.17	76.56
				<i>For >50 To 100, Deduct</i>	-30.59	
				<i>For >100, Deduct</i>	-43.97	
				<i>For 9' Door Height, Add</i>	80.23	
08 14 16 00-0218	EA			3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	616.72	79.75
				<i>For >50 To 100, Deduct</i>	-34.82	
				<i>For >100, Deduct</i>	-50.24	
				<i>For 9' Door Height, Add</i>	96.01	
08 14 16 00-0219	EA			3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	664.84	79.75
				<i>For >50 To 100, Deduct</i>	-37.23	
				<i>For >100, Deduct</i>	-53.85	
				<i>For 9' Door Height, Add</i>	106.12	
08 14 16 00-0220	EA			4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	712.99	79.75
				<i>For >50 To 100, Deduct</i>	-39.64	
				<i>For >100, Deduct</i>	-57.46	
				<i>For 9' Door Height, Add</i>	116.23	
08 14 16 00-0221				Walnut Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0222	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	460.20	70.18
				<i>For >50 To 100, Deduct</i>	-26.52	
				<i>For >100, Deduct</i>	-38.02	
08 14 16 00-0223	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	460.20	70.18
				<i>For >50 To 100, Deduct</i>	-26.52	
				<i>For >100, Deduct</i>	-38.02	
08 14 16 00-0224	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	468.80	73.37
				<i>For >50 To 100, Deduct</i>	-27.11	
				<i>For >100, Deduct</i>	-38.83	
08 14 16 00-0225	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	482.99	73.37
				<i>For >50 To 100, Deduct</i>	-27.82	
				<i>For >100, Deduct</i>	-39.89	
08 14 16 00-0226	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	485.15	73.37
				<i>For >50 To 100, Deduct</i>	-27.93	
				<i>For >100, Deduct</i>	-40.06	
08 14 16 00-0227	EA			3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	493.70	76.56
				<i>For >50 To 100, Deduct</i>	-28.51	
				<i>For >100, Deduct</i>	-40.86	
08 14 16 00-0228	EA			3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	531.71	76.56
				<i>For >50 To 100, Deduct</i>	-30.41	
				<i>For >100, Deduct</i>	-43.71	
08 14 16 00-0229	EA			3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	636.22	79.75
				<i>For >50 To 100, Deduct</i>	-35.80	
				<i>For >100, Deduct</i>	-51.70	
08 14 16 00-0230	EA			3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	660.05	79.75
				<i>For >50 To 100, Deduct</i>	-36.99	
				<i>For >100, Deduct</i>	-53.49	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	707.77 -39.38 -57.07	79.75
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	478.80 -27.45 -39.42	70.18
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	478.80 -27.45 -39.42	70.18
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	487.56 -28.05 -40.24	73.37
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	502.54 -28.80 -41.36	73.37
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	504.86 -28.91 -41.53	73.37
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	513.52 -29.50 -42.34	76.56
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	553.73 -31.51 -45.36	76.56
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	663.97 -37.19 -53.79	79.75
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	689.19 -38.45 -55.68	79.75
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	739.67 -40.97 -59.46	79.75
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	544.80 -30.75 -44.37	70.18
			<i>For 9' Door Height, Add</i>	84.93	
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	544.80 -30.75 -44.37	70.18
			<i>For 9' Door Height, Add</i>	84.93	
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	554.03 -31.37 -45.22	73.37
			<i>For 9' Door Height, Add</i>	85.53	
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	571.92 -32.26 -46.56	73.37
			<i>For 9' Door Height, Add</i>	89.29	
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	574.68 -32.40 -46.77	73.37
			<i>For 9' Door Height, Add</i>	89.87	
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	583.79 -33.02 -47.61	76.56
			<i>For 9' Door Height, Add</i>	90.44	
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	631.86 -35.42 -51.22	76.56
			<i>For 9' Door Height, Add</i>	100.53	
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	762.34 -42.10 -61.16	79.75
			<i>For 9' Door Height, Add</i>	126.59	
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	792.49 -43.61 -63.42	79.75
			<i>For 9' Door Height, Add</i>	132.93	
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door <i>For >50 To 100, Deduct</i>	852.78 -46.63 -67.95	79.75
			<i>For 9' Door Height, Add</i>	145.59	
08 14 16 00-0252			Lauan Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	256.21 -16.32 -22.73	70.18
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	256.21 -16.32 -22.73	70.18
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door <i>For >50 To 100, Deduct</i>	270.55 -17.20 -23.96	73.37



		Openings	08
		Doors and Frames	08 10
		Wood Doors	08 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	277.03	73.37
			<i>For >50 To 100, Deduct</i>	-17.52	
			<i>For >100, Deduct</i>	-24.45	
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	278.32	73.37
			<i>For >50 To 100, Deduct</i>	-17.58	
			<i>For >100, Deduct</i>	-24.54	
08 14 16 00-0258	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.98	76.56
			<i>For >50 To 100, Deduct</i>	-18.13	
			<i>For >100, Deduct</i>	-25.28	
08 14 16 00-0259	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	300.58	76.56
			<i>For >50 To 100, Deduct</i>	-18.86	
			<i>For >100, Deduct</i>	-26.37	
08 14 16 00-0260	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	325.79	79.75
			<i>For >50 To 100, Deduct</i>	-20.28	
			<i>For >100, Deduct</i>	-28.42	
08 14 16 00-0261	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	334.08	79.75
			<i>For >50 To 100, Deduct</i>	-20.69	
			<i>For >100, Deduct</i>	-29.04	
08 14 16 00-0262	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	350.72	79.75
			<i>For >50 To 100, Deduct</i>	-21.52	
			<i>For >100, Deduct</i>	-30.29	
08 14 16 00-0263	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.94	70.18
			<i>For >50 To 100, Deduct</i>	-16.66	
			<i>For >100, Deduct</i>	-23.23	
08 14 16 00-0264	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.94	70.18
			<i>For >50 To 100, Deduct</i>	-16.66	
			<i>For >100, Deduct</i>	-23.23	
08 14 16 00-0265	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	277.76	73.37
			<i>For >50 To 100, Deduct</i>	-17.56	
			<i>For >100, Deduct</i>	-24.50	
08 14 16 00-0266	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	284.62	73.37
			<i>For >50 To 100, Deduct</i>	-17.90	
			<i>For >100, Deduct</i>	-25.02	
08 14 16 00-0267	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.98	73.37
			<i>For >50 To 100, Deduct</i>	-17.97	
			<i>For >100, Deduct</i>	-25.12	
08 14 16 00-0268	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	293.71	76.56
			<i>For >50 To 100, Deduct</i>	-18.51	
			<i>For >100, Deduct</i>	-25.86	
08 14 16 00-0269	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	309.17	76.56
			<i>For >50 To 100, Deduct</i>	-19.29	
			<i>For >100, Deduct</i>	-27.02	
08 14 16 00-0270	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	335.45	79.75
			<i>For >50 To 100, Deduct</i>	-20.76	
			<i>For >100, Deduct</i>	-29.15	
08 14 16 00-0271	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	344.24	79.75
			<i>For >50 To 100, Deduct</i>	-21.20	
			<i>For >100, Deduct</i>	-29.81	
08 14 16 00-0272	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	361.84	79.75
			<i>For >50 To 100, Deduct</i>	-22.08	
			<i>For >100, Deduct</i>	-31.13	
08 14 16 00-0273	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.83	70.18
			<i>For >50 To 100, Deduct</i>	-17.85	
			<i>For >100, Deduct</i>	-25.02	
			<i>For 9' Door Height, Add</i>	30.76	
08 14 16 00-0274	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.83	70.18
			<i>For >50 To 100, Deduct</i>	-17.85	
			<i>For >100, Deduct</i>	-25.02	
			<i>For 9' Door Height, Add</i>	30.76	
08 14 16 00-0275	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	303.30	73.37
			<i>For >50 To 100, Deduct</i>	-18.83	
			<i>For >100, Deduct</i>	-26.42	
			<i>For 9' Door Height, Add</i>	32.88	
08 14 16 00-0276	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	311.49	73.37
			<i>For >50 To 100, Deduct</i>	-19.24	
			<i>For >100, Deduct</i>	-27.03	
			<i>For 9' Door Height, Add</i>	34.60	
08 14 16 00-0277	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	313.13	73.37
			<i>For >50 To 100, Deduct</i>	-19.33	
			<i>For >100, Deduct</i>	-27.15	
			<i>For 9' Door Height, Add</i>	34.94	
08 14 16 00-0278	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	321.12	76.56
			<i>For >50 To 100, Deduct</i>	-19.88	
			<i>For >100, Deduct</i>	-27.91	
			<i>For 9' Door Height, Add</i>	35.28	
08 14 16 00-0279	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	339.60	76.56
			<i>For >50 To 100, Deduct</i>	-20.81	
			<i>For >100, Deduct</i>	-29.30	
			<i>For 9' Door Height, Add</i>	39.16	
08 14 16 00-0280	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	369.75	79.75
			<i>For >50 To 100, Deduct</i>	-22.48	
			<i>For >100, Deduct</i>	-31.72	
			<i>For 9' Door Height, Add</i>	44.15	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0281	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	380.27	79.75
			<i>For >50 To 100, Deduct</i>	-23.00	
			<i>For >100, Deduct</i>	-32.51	
			<i>For 9' Door Height, Add</i>	46.36	
08 14 16 00-0282	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	401.29	79.75
			<i>For >50 To 100, Deduct</i>	-24.05	
			<i>For >100, Deduct</i>	-34.08	
			<i>For 9' Door Height, Add</i>	50.77	
08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0127)					
08 14 16 00-0284	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	274.23	70.18
			<i>For >50 To 100, Deduct</i>	-17.22	
			<i>For >100, Deduct</i>	-24.08	
08 14 16 00-0285	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	274.25	70.18
			<i>For >50 To 100, Deduct</i>	-17.22	
			<i>For >100, Deduct</i>	-24.08	
08 14 16 00-0286	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	284.34	73.37
			<i>For >50 To 100, Deduct</i>	-17.89	
			<i>For >100, Deduct</i>	-24.99	
08 14 16 00-0287	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	291.80	73.37
			<i>For >50 To 100, Deduct</i>	-18.26	
			<i>For >100, Deduct</i>	-25.55	
08 14 16 00-0288	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	295.53	73.37
			<i>For >50 To 100, Deduct</i>	-18.45	
			<i>For >100, Deduct</i>	-25.83	
08 14 16 00-0289	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	305.58	76.56
			<i>For >50 To 100, Deduct</i>	-19.11	
			<i>For >100, Deduct</i>	-26.75	
08 14 16 00-0290	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	314.09	76.56
			<i>For >50 To 100, Deduct</i>	-19.53	
			<i>For >100, Deduct</i>	-27.39	
08 14 16 00-0291	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	348.12	79.75
			<i>For >50 To 100, Deduct</i>	-21.39	
			<i>For >100, Deduct</i>	-30.10	
08 14 16 00-0292	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	357.55	79.75
			<i>For >50 To 100, Deduct</i>	-21.87	
			<i>For >100, Deduct</i>	-30.80	
08 14 16 00-0293	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	376.43	79.75
			<i>For >50 To 100, Deduct</i>	-22.81	
			<i>For >100, Deduct</i>	-32.22	
08 14 16 00-0294	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	282.03	70.18
			<i>For >50 To 100, Deduct</i>	-17.61	
			<i>For >100, Deduct</i>	-24.66	
08 14 16 00-0295	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	282.03	70.18
			<i>For >50 To 100, Deduct</i>	-17.61	
			<i>For >100, Deduct</i>	-24.66	
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	292.34	73.37
			<i>For >50 To 100, Deduct</i>	-18.29	
			<i>For >100, Deduct</i>	-25.59	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	300.23	73.37
			<i>For >50 To 100, Deduct</i>	-18.68	
			<i>For >100, Deduct</i>	-26.19	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	304.18	73.37
			<i>For >50 To 100, Deduct</i>	-18.88	
			<i>For >100, Deduct</i>	-26.48	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	314.47	76.56
			<i>For >50 To 100, Deduct</i>	-19.55	
			<i>For >100, Deduct</i>	-27.41	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	323.46	76.56
			<i>For >50 To 100, Deduct</i>	-20.00	
			<i>For >100, Deduct</i>	-28.09	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	359.11	79.75
			<i>For >50 To 100, Deduct</i>	-21.94	
			<i>For >100, Deduct</i>	-30.92	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	369.09	79.75
			<i>For >50 To 100, Deduct</i>	-22.44	
			<i>For >100, Deduct</i>	-31.67	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	389.04	79.75
			<i>For >50 To 100, Deduct</i>	-23.44	
			<i>For >100, Deduct</i>	-33.17	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	309.66	70.18
			<i>For >50 To 100, Deduct</i>	-18.99	
			<i>For >100, Deduct</i>	-26.73	
			<i>For 9' Door Height, Add</i>	35.55	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	309.66	70.18
			<i>For >50 To 100, Deduct</i>	-18.99	
			<i>For >100, Deduct</i>	-26.73	
			<i>For 9' Door Height, Add</i>	35.55	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	320.72	73.37
			<i>For >50 To 100, Deduct</i>	-19.70	
			<i>For >100, Deduct</i>	-27.72	
			<i>For 9' Door Height, Add</i>	36.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 14 16 00-0307	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	330.15	73.37
				<i>For >50 To 100, Deduct</i>	-20.18	
				<i>For >100, Deduct</i>	-28.43	
				<i>For 9' Door Height, Add</i>	38.51	
	08 14 16 00-0308	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	334.87	73.37
				<i>For >50 To 100, Deduct</i>	-20.41	
				<i>For >100, Deduct</i>	-28.78	
				<i>For 9' Door Height, Add</i>	39.51	
	08 14 16 00-0309	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	345.93	76.56
				<i>For >50 To 100, Deduct</i>	-21.12	
				<i>For >100, Deduct</i>	-29.77	
				<i>For 9' Door Height, Add</i>	40.49	
	08 14 16 00-0310	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	356.69	76.56
				<i>For >50 To 100, Deduct</i>	-21.66	
				<i>For >100, Deduct</i>	-30.58	
				<i>For 9' Door Height, Add</i>	42.75	
	08 14 16 00-0311	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	398.04	79.75
				<i>For >50 To 100, Deduct</i>	-23.89	
				<i>For >100, Deduct</i>	-33.84	
				<i>For 9' Door Height, Add</i>	50.09	
	08 14 16 00-0312	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	409.95	79.75
				<i>For >50 To 100, Deduct</i>	-24.49	
				<i>For >100, Deduct</i>	-34.73	
				<i>For 9' Door Height, Add</i>	52.59	
	08 14 16 00-0313	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	433.82	79.75
				<i>For >50 To 100, Deduct</i>	-25.68	
				<i>For >100, Deduct</i>	-36.52	
				<i>For 9' Door Height, Add</i>	57.61	
	08 14 16 00-0314			1-3/8" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
				Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
	08 14 16 00-0315			Birch Faced Wood Doors <small>(08 14 16 00-0314)</small>		
	08 14 16 00-0316	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	295.94	70.18
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.11	
				<i>For Stave Lumber Core (SLC), Add</i>	116.68	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.01	
				<i>For >50 To 100, Deduct</i>	-18.31	
				<i>For >100, Deduct</i>	-25.70	
	08 14 16 00-0317	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	295.97	70.18
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.11	
				<i>For Stave Lumber Core (SLC), Add</i>	116.70	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.02	
				<i>For >50 To 100, Deduct</i>	-18.31	
				<i>For >100, Deduct</i>	-25.71	
	08 14 16 00-0318	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	310.50	73.37
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.28	
				<i>For Stave Lumber Core (SLC), Add</i>	122.81	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.69	
				<i>For >50 To 100, Deduct</i>	-19.19	
				<i>For >100, Deduct</i>	-26.96	
	08 14 16 00-0319	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	318.66	73.37
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.44	
				<i>For Stave Lumber Core (SLC), Add</i>	128.93	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.36	
				<i>For >50 To 100, Deduct</i>	-19.60	
				<i>For >100, Deduct</i>	-27.57	
	08 14 16 00-0320	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	323.64	73.37
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.54	
				<i>For Stave Lumber Core (SLC), Add</i>	132.67	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	79.60	
				<i>For >50 To 100, Deduct</i>	-19.85	
				<i>For >100, Deduct</i>	-27.94	
	08 14 16 00-0321	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	335.02	76.56
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.64	
				<i>For Stave Lumber Core (SLC), Add</i>	136.42	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.85	
				<i>For >50 To 100, Deduct</i>	-20.58	
				<i>For >100, Deduct</i>	-28.95	
	08 14 16 00-0322	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	354.97	76.56
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.04	
				<i>For Stave Lumber Core (SLC), Add</i>	151.38	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.83	
				<i>For >50 To 100, Deduct</i>	-21.58	
				<i>For >100, Deduct</i>	-30.45	
	08 14 16 00-0323	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	374.26	79.75
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.30	
				<i>For Stave Lumber Core (SLC), Add</i>	161.06	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.64	
				<i>For >50 To 100, Deduct</i>	-22.70	
				<i>For >100, Deduct</i>	-32.06	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0324	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	305.00 -3.29 123.47 74.08 -18.76 -26.38	70.18
08 14 16 00-0325	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	305.01 -3.29 123.48 74.09 -18.76 -26.39	70.18
08 14 16 00-0326	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	320.03 -3.47 129.96 77.98 -19.67 -27.67	73.37
08 14 16 00-0327	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	328.68 -3.64 136.45 81.87 -20.10 -28.32	73.37
08 14 16 00-0328	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	333.94 -3.74 140.39 84.24 -20.37 -28.71	73.37
08 14 16 00-0329	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.60 -3.85 144.35 86.61 -21.11 -29.75	76.56
08 14 16 00-0330	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	366.73 -4.27 160.20 96.12 -22.16 -31.33	76.56
08 14 16 00-0331	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	386.76 -4.55 170.44 102.26 -23.33 -32.99	79.75
08 14 16 00-0332	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	337.11 -3.93 147.56 88.53 -20.36 -28.79 41.32	70.18
08 14 16 00-0333	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	337.11 -3.93 147.56 88.53 -20.36 -28.79 41.32	70.18
08 14 16 00-0334	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	353.82 -4.14 155.30 93.18 -21.36 -30.21 43.48	73.37
08 14 16 00-0335	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	364.15 -4.35 163.05 97.83 -21.88 -30.98 45.65	73.37
08 14 16 00-0336	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	370.44 -4.47 167.77 100.66 -22.19 -31.45 46.97	73.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 14 16 00-0337	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	383.14 -4.60 172.51 103.50 -22.99 -32.56 48.30	76.56
	08 14 16 00-0338	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	408.37 -5.10 191.43 114.86 -24.25 -34.46 53.60	76.56
	08 14 16 00-0339	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	431.07 -5.43 203.67 122.20 -25.54 -36.32 57.03	79.75
	08 14 16 00-0340			Oak Faced Wood Doors <small>(08 14 16 00-0314)</small>		
	08 14 16 00-0341	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	412.62 -5.45 204.19 122.51 -24.14 -34.46	70.18
	08 14 16 00-0342	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	412.62 -5.45 204.19 122.51 -24.14 -34.46	70.18
	08 14 16 00-0343	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	433.33 -5.73 214.94 128.96 -25.34 -36.17	73.37
	08 14 16 00-0344	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	447.62 -6.02 225.65 135.39 -26.05 -37.24	73.37
	08 14 16 00-0345	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	456.32 -6.19 232.18 139.31 -26.48 -37.89	73.37
	08 14 16 00-0346	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	471.44 -6.37 238.73 143.24 -27.40 -39.19	76.56
	08 14 16 00-0347	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	506.37 -7.06 264.93 158.96 -29.15 -41.81	76.56
	08 14 16 00-0348	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	535.32 -7.52 281.86 169.11 -30.75 -44.14	79.75
	08 14 16 00-0349	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	428.45 -5.76 216.06 129.64 -24.93 -35.64	70.18
	08 14 16 00-0350	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	428.45 -5.76 216.06 129.64 -24.93 -35.64	70.18

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0351	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	450.02	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.07	
			<i>For Stave Lumber Core (SLC), Add</i>	227.45	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.47	
			<i>For >50 To 100, Deduct</i>	-26.17	
			<i>For >100, Deduct</i>	-37.42	
08 14 16 00-0352	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	465.14	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.37	
			<i>For Stave Lumber Core (SLC), Add</i>	238.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.28	
			<i>For >50 To 100, Deduct</i>	-26.93	
			<i>For >100, Deduct</i>	-38.55	
08 14 16 00-0353	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	474.34	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.55	
			<i>For Stave Lumber Core (SLC), Add</i>	245.69	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.42	
			<i>For >50 To 100, Deduct</i>	-27.39	
			<i>For >100, Deduct</i>	-39.24	
08 14 16 00-0354	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	489.96	76.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.74	
			<i>For Stave Lumber Core (SLC), Add</i>	252.62	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	151.57	
			<i>For >50 To 100, Deduct</i>	-28.33	
			<i>For >100, Deduct</i>	-40.58	
08 14 16 00-0355	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	526.93	76.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.48	
			<i>For Stave Lumber Core (SLC), Add</i>	280.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.21	
			<i>For >50 To 100, Deduct</i>	-30.17	
			<i>For >100, Deduct</i>	-43.35	
08 14 16 00-0356	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	557.21	79.75
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.95	
			<i>For Stave Lumber Core (SLC), Add</i>	298.28	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	178.97	
			<i>For >50 To 100, Deduct</i>	-31.85	
			<i>For >100, Deduct</i>	-45.78	
08 14 16 00-0357	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	484.62	70.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.89	
			<i>For Stave Lumber Core (SLC), Add</i>	258.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.91	
			<i>For >50 To 100, Deduct</i>	-27.74	
			<i>For >100, Deduct</i>	-39.86	
			<i>For 9' Door Height, Add</i>	72.29	
08 14 16 00-0358	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	484.62	70.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.89	
			<i>For Stave Lumber Core (SLC), Add</i>	258.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.91	
			<i>For >50 To 100, Deduct</i>	-27.74	
			<i>For >100, Deduct</i>	-39.86	
			<i>For 9' Door Height, Add</i>	72.29	
08 14 16 00-0359	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	509.16	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.25	
			<i>For Stave Lumber Core (SLC), Add</i>	271.81	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.08	
			<i>For >50 To 100, Deduct</i>	-29.13	
			<i>For >100, Deduct</i>	-41.86	
			<i>For 9' Door Height, Add</i>	76.11	
08 14 16 00-0360	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	527.22	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.61	
			<i>For Stave Lumber Core (SLC), Add</i>	285.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	171.21	
			<i>For >50 To 100, Deduct</i>	-30.03	
			<i>For >100, Deduct</i>	-43.21	
			<i>For 9' Door Height, Add</i>	79.90	
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	538.21	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.83	
			<i>For Stave Lumber Core (SLC), Add</i>	293.60	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.16	
			<i>For >50 To 100, Deduct</i>	-30.58	
			<i>For >100, Deduct</i>	-44.03	
			<i>For 9' Door Height, Add</i>	82.21	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	555.66	76.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.05	
			<i>For Stave Lumber Core (SLC), Add</i>	301.90	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	181.14	
			<i>For >50 To 100, Deduct</i>	-31.61	
			<i>For >100, Deduct</i>	-45.50	
			<i>For 9' Door Height, Add</i>	84.53	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	599.83	76.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.93	
			<i>For Stave Lumber Core (SLC), Add</i>	335.03	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	201.02	
			<i>For >50 To 100, Deduct</i>	-33.82	
			<i>For >100, Deduct</i>	-48.82	
			<i>For 9' Door Height, Add</i>	93.81	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0364 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	634.76	79.75
For 7 Ply Cold Press Construction, Deduct	-9.51	
For Stave Lumber Core (SLC), Add	356.44	
For Structural Composite Lumber Core (SCLC), Add	213.86	
For >50 To 100, Deduct	-35.73	
For >100, Deduct	-51.59	
For 9' Door Height, Add	99.80	
08 14 16 00-0365 Maple Faced Wood Doors <small>(08 14 16 00-0314)</small>		
08 14 16 00-0366 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	370.73	70.18
For 7 Ply Cold Press Construction, Deduct	-4.61	
For Stave Lumber Core (SLC), Add	172.77	
For Structural Composite Lumber Core (SCLC), Add	103.66	
For >50 To 100, Deduct	-22.05	
For >100, Deduct	-31.31	
08 14 16 00-0367 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	370.73	70.18
For 7 Ply Cold Press Construction, Deduct	-4.61	
For Stave Lumber Core (SLC), Add	172.77	
For Structural Composite Lumber Core (SCLC), Add	103.66	
For >50 To 100, Deduct	-22.05	
For >100, Deduct	-31.31	
08 14 16 00-0368 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	389.24	73.37
For 7 Ply Cold Press Construction, Deduct	-4.85	
For Stave Lumber Core (SLC), Add	181.87	
For Structural Composite Lumber Core (SCLC), Add	109.12	
For >50 To 100, Deduct	-23.13	
For >100, Deduct	-32.86	
08 14 16 00-0369 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	401.34	73.37
For 7 Ply Cold Press Construction, Deduct	-5.09	
For Stave Lumber Core (SLC), Add	190.94	
For Structural Composite Lumber Core (SCLC), Add	114.57	
For >50 To 100, Deduct	-23.74	
For >100, Deduct	-33.77	
08 14 16 00-0370 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	408.69	73.37
For 7 Ply Cold Press Construction, Deduct	-5.24	
For Stave Lumber Core (SLC), Add	196.46	
For Structural Composite Lumber Core (SCLC), Add	117.87	
For >50 To 100, Deduct	-24.10	
For >100, Deduct	-34.32	
08 14 16 00-0371 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	422.47	76.56
For 7 Ply Cold Press Construction, Deduct	-5.39	
For Stave Lumber Core (SLC), Add	202.01	
For Structural Composite Lumber Core (SCLC), Add	121.20	
For >50 To 100, Deduct	-24.95	
For >100, Deduct	-35.51	
08 14 16 00-0372 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	452.02	76.56
For 7 Ply Cold Press Construction, Deduct	-5.98	
For Stave Lumber Core (SLC), Add	224.17	
For Structural Composite Lumber Core (SCLC), Add	134.50	
For >50 To 100, Deduct	-26.43	
For >100, Deduct	-37.73	
08 14 16 00-0373 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.50	79.75
For 7 Ply Cold Press Construction, Deduct	-6.36	
For Stave Lumber Core (SLC), Add	238.49	
For Structural Composite Lumber Core (SCLC), Add	143.10	
For >50 To 100, Deduct	-27.86	
For >100, Deduct	-39.80	
08 14 16 00-0374 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	384.12	70.18
For 7 Ply Cold Press Construction, Deduct	-4.88	
For Stave Lumber Core (SLC), Add	182.81	
For Structural Composite Lumber Core (SCLC), Add	109.69	
For >50 To 100, Deduct	-22.72	
For >100, Deduct	-32.32	
08 14 16 00-0375 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	384.12	70.18
For 7 Ply Cold Press Construction, Deduct	-4.88	
For Stave Lumber Core (SLC), Add	182.81	
For Structural Composite Lumber Core (SCLC), Add	109.69	
For >50 To 100, Deduct	-22.72	
For >100, Deduct	-32.32	
08 14 16 00-0376 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	403.36	73.37
For 7 Ply Cold Press Construction, Deduct	-5.13	
For Stave Lumber Core (SLC), Add	192.46	
For Structural Composite Lumber Core (SCLC), Add	115.47	
For >50 To 100, Deduct	-23.84	
For >100, Deduct	-33.92	
08 14 16 00-0377 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	416.16	73.37
For 7 Ply Cold Press Construction, Deduct	-5.39	
For Stave Lumber Core (SLC), Add	202.06	
For Structural Composite Lumber Core (SCLC), Add	121.23	
For >50 To 100, Deduct	-24.48	
For >100, Deduct	-34.88	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0378	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	423.94	73.37
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.54	
	<i>For Stave Lumber Core (SLC), Add</i>	207.89	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	124.74	
	<i>For >50 To 100, Deduct</i>	-24.87	
	<i>For >100, Deduct</i>	-35.46	
08 14 16 00-0379	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	438.15	76.56
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.70	
	<i>For Stave Lumber Core (SLC), Add</i>	213.77	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	128.26	
	<i>For >50 To 100, Deduct</i>	-25.74	
	<i>For >100, Deduct</i>	-36.69	
08 14 16 00-0380	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	469.42	76.56
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.33	
	<i>For Stave Lumber Core (SLC), Add</i>	237.22	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	142.33	
	<i>For >50 To 100, Deduct</i>	-27.30	
	<i>For >100, Deduct</i>	-39.03	
08 14 16 00-0381	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	496.01	79.75
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.73	
	<i>For Stave Lumber Core (SLC), Add</i>	252.38	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	151.43	
	<i>For >50 To 100, Deduct</i>	-28.79	
	<i>For >100, Deduct</i>	-41.19	
08 14 16 00-0382	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	431.66	70.18
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.83	
	<i>For Stave Lumber Core (SLC), Add</i>	218.47	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	131.08	
	<i>For >50 To 100, Deduct</i>	-25.09	
	<i>For >100, Deduct</i>	-35.88	
	<i>For 9' Door Height, Add</i>	61.17	
08 14 16 00-0383	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	431.66	70.18
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.83	
	<i>For Stave Lumber Core (SLC), Add</i>	218.47	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	131.08	
	<i>For >50 To 100, Deduct</i>	-25.09	
	<i>For >100, Deduct</i>	-35.88	
	<i>For 9' Door Height, Add</i>	61.17	
08 14 16 00-0384	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	453.39	73.37
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.13	
	<i>For Stave Lumber Core (SLC), Add</i>	229.98	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.99	
	<i>For >50 To 100, Deduct</i>	-26.34	
	<i>For >100, Deduct</i>	-37.67	
	<i>For 9' Door Height, Add</i>	64.39	
08 14 16 00-0385	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	468.68	73.37
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.44	
	<i>For Stave Lumber Core (SLC), Add</i>	241.45	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.87	
	<i>For >50 To 100, Deduct</i>	-27.10	
	<i>For >100, Deduct</i>	-38.82	
	<i>For 9' Door Height, Add</i>	67.61	
08 14 16 00-0386	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	478.00	73.37
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.63	
	<i>For Stave Lumber Core (SLC), Add</i>	248.44	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.06	
	<i>For >50 To 100, Deduct</i>	-27.57	
	<i>For >100, Deduct</i>	-39.52	
	<i>For 9' Door Height, Add</i>	69.56	
08 14 16 00-0387	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	493.72	76.56
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.81	
	<i>For Stave Lumber Core (SLC), Add</i>	255.44	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	153.27	
	<i>For >50 To 100, Deduct</i>	-28.51	
	<i>For >100, Deduct</i>	-40.86	
	<i>For 9' Door Height, Add</i>	71.52	
08 14 16 00-0388	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	531.11	76.56
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.56	
	<i>For Stave Lumber Core (SLC), Add</i>	283.49	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	170.09	
	<i>For >50 To 100, Deduct</i>	-30.38	
	<i>For >100, Deduct</i>	-43.66	
	<i>For 9' Door Height, Add</i>	79.38	
08 14 16 00-0389	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	561.63	79.75
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.04	
	<i>For Stave Lumber Core (SLC), Add</i>	301.59	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	180.95	
	<i>For >50 To 100, Deduct</i>	-32.07	
	<i>For >100, Deduct</i>	-46.11	
	<i>For 9' Door Height, Add</i>	84.45	
08 14 16 00-0390	Lauan Faced Wood Doors (08 14 16 00-0314)		
08 14 16 00-0391	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	361.76	70.18
	<i>For >50 To 100, Deduct</i>	-21.60	
	<i>For >100, Deduct</i>	-30.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0392	EA			2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	361.76	70.18
				<i>For >50 To 100, Deduct</i>	-21.60	
				<i>For >100, Deduct</i>	-30.64	
08 14 16 00-0393	EA			2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	380.26	73.37
				<i>For >50 To 100, Deduct</i>	-22.68	
				<i>For >100, Deduct</i>	-32.19	
08 14 16 00-0394	EA			2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	392.47	73.37
				<i>For >50 To 100, Deduct</i>	-23.29	
				<i>For >100, Deduct</i>	-33.10	
08 14 16 00-0395	EA			2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	398.60	73.37
				<i>For >50 To 100, Deduct</i>	-23.60	
				<i>For >100, Deduct</i>	-33.56	
08 14 16 00-0396	EA			3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	411.15	76.56
				<i>For >50 To 100, Deduct</i>	-24.39	
				<i>For >100, Deduct</i>	-34.66	
08 14 16 00-0397	EA			3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	439.49	76.56
				<i>For >50 To 100, Deduct</i>	-25.80	
				<i>For >100, Deduct</i>	-36.79	
08 14 16 00-0398	EA			3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	468.31	79.75
				<i>For >50 To 100, Deduct</i>	-27.40	
				<i>For >100, Deduct</i>	-39.11	
08 14 16 00-0399	EA			2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	374.65	70.18
				<i>For >50 To 100, Deduct</i>	-22.24	
				<i>For >100, Deduct</i>	-31.61	
08 14 16 00-0400	EA			2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	374.65	70.18
				<i>For >50 To 100, Deduct</i>	-22.24	
				<i>For >100, Deduct</i>	-31.61	
08 14 16 00-0401	EA			2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	393.87	73.37
				<i>For >50 To 100, Deduct</i>	-23.36	
				<i>For >100, Deduct</i>	-33.21	
08 14 16 00-0402	EA			2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	406.77	73.37
				<i>For >50 To 100, Deduct</i>	-24.01	
				<i>For >100, Deduct</i>	-34.18	
08 14 16 00-0403	EA			2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	413.27	73.37
				<i>For >50 To 100, Deduct</i>	-24.33	
				<i>For >100, Deduct</i>	-34.66	
08 14 16 00-0404	EA			3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	426.15	76.56
				<i>For >50 To 100, Deduct</i>	-25.14	
				<i>For >100, Deduct</i>	-35.79	
08 14 16 00-0405	EA			3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	456.18	76.56
				<i>For >50 To 100, Deduct</i>	-26.64	
				<i>For >100, Deduct</i>	-38.04	
08 14 16 00-0406	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	486.26	79.75
				<i>For >50 To 100, Deduct</i>	-28.30	
				<i>For >100, Deduct</i>	-40.46	
08 14 16 00-0407	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	420.36	70.18
				<i>For >50 To 100, Deduct</i>	-24.53	
				<i>For >100, Deduct</i>	-35.04	
				<i>For 9' Door Height, Add</i>	58.80	
08 14 16 00-0408	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	420.36	70.18
				<i>For >50 To 100, Deduct</i>	-24.53	
				<i>For >100, Deduct</i>	-35.04	
				<i>For 9' Door Height, Add</i>	58.80	
08 14 16 00-0409	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	442.04	73.37
				<i>For >50 To 100, Deduct</i>	-25.77	
				<i>For >100, Deduct</i>	-36.82	
				<i>For 9' Door Height, Add</i>	62.01	
08 14 16 00-0410	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	457.48	73.37
				<i>For >50 To 100, Deduct</i>	-26.54	
				<i>For >100, Deduct</i>	-37.98	
				<i>For 9' Door Height, Add</i>	65.25	
08 14 16 00-0411	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	465.25	73.37
				<i>For >50 To 100, Deduct</i>	-26.93	
				<i>For >100, Deduct</i>	-38.56	
				<i>For 9' Door Height, Add</i>	66.89	
08 14 16 00-0412	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	479.40	76.56
				<i>For >50 To 100, Deduct</i>	-27.80	
				<i>For >100, Deduct</i>	-39.78	
				<i>For 9' Door Height, Add</i>	68.52	
08 14 16 00-0413	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	515.26	76.56
				<i>For >50 To 100, Deduct</i>	-29.59	
				<i>For >100, Deduct</i>	-42.47	
				<i>For 9' Door Height, Add</i>	76.05	
08 14 16 00-0414	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	549.97	79.75
				<i>For >50 To 100, Deduct</i>	-31.49	
				<i>For >100, Deduct</i>	-45.24	
				<i>For 9' Door Height, Add</i>	82.00	
08 14 16 00-0415	Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0314)</small>					
08 14 16 00-0416	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	322.11	70.18
				<i>For Stave Lumber Core (SLC), Add</i>	136.31	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.78	
				<i>For >50 To 100, Deduct</i>	-19.61	
				<i>For >100, Deduct</i>	-27.67	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0417	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	322.11 136.31 81.78 -19.61 -27.67	70.18
08 14 16 00-0418	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	339.05 144.23 86.54 -20.62 -29.10	73.37
08 14 16 00-0419	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	349.57 152.12 91.27 -21.15 -29.89	73.37
08 14 16 00-0420	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	351.50 153.56 92.14 -21.24 -30.03	73.37
08 14 16 00-0421	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	359.84 155.03 93.02 -21.82 -30.82	76.56
08 14 16 00-0422	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	382.65 172.14 103.28 -22.96 -32.53	76.56
08 14 16 00-0423	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	430.60 203.32 121.99 -25.52 -36.28	79.75
08 14 16 00-0424	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	332.69 144.24 86.54 -20.14 -28.46	70.18
08 14 16 00-0425	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	332.70 144.25 86.55 -20.14 -28.46	70.18
08 14 16 00-0426	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	350.24 152.62 91.57 -21.18 -29.94	73.37
08 14 16 00-0427	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	361.37 160.97 96.58 -21.74 -30.77	73.37
08 14 16 00-0428	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	363.43 162.51 97.51 -21.84 -30.93	73.37
08 14 16 00-0429	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.88 164.06 98.44 -22.42 -31.72	76.56
08 14 16 00-0430	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	396.00 182.15 109.29 -23.63 -33.53	76.56
08 14 16 00-0431	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	446.40 215.17 129.10 -26.31 -37.47	79.75
08 14 16 00-0432	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	370.17 172.35 103.41 -22.02 -31.27 48.26	70.18
08 14 16 00-0433	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	370.21 172.38 103.43 -22.02 -31.28 48.27	70.18



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0434 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	389.92	73.37
For Stave Lumber Core (SLC), Add	182.38	
For Structural Composite Lumber Core (SCLC), Add	109.43	
For >50 To 100, Deduct	-23.16	
For >100, Deduct	-32.91	
For 9' Door Height, Add	51.07	
08 14 16 00-0435 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	403.21	73.37
For Stave Lumber Core (SLC), Add	192.35	
For Structural Composite Lumber Core (SCLC), Add	115.41	
For >50 To 100, Deduct	-23.83	
For >100, Deduct	-33.91	
For 9' Door Height, Add	53.86	
08 14 16 00-0436 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	405.67	73.37
For Stave Lumber Core (SLC), Add	194.19	
For Structural Composite Lumber Core (SCLC), Add	116.51	
For >50 To 100, Deduct	-23.95	
For >100, Deduct	-34.09	
For 9' Door Height, Add	54.37	
08 14 16 00-0437 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	414.54	76.56
For Stave Lumber Core (SLC), Add	196.06	
For Structural Composite Lumber Core (SCLC), Add	117.63	
For >50 To 100, Deduct	-24.56	
For >100, Deduct	-34.92	
For 9' Door Height, Add	54.90	
08 14 16 00-0438 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	443.38	76.56
For Stave Lumber Core (SLC), Add	217.69	
For Structural Composite Lumber Core (SCLC), Add	130.61	
For >50 To 100, Deduct	-26.00	
For >100, Deduct	-37.08	
For 9' Door Height, Add	60.95	
08 14 16 00-0439 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	502.35	79.75
For Stave Lumber Core (SLC), Add	257.13	
For Structural Composite Lumber Core (SCLC), Add	154.28	
For >50 To 100, Deduct	-29.11	
For >100, Deduct	-41.66	
For 9' Door Height, Add	72.00	
08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0441 Birch Faced Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0442 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	329.74	70.18
For 7 Ply Cold Press Construction, Deduct	-3.79	
For Stave Lumber Core (SLC), Add	142.03	
For Structural Composite Lumber Core (SCLC), Add	85.22	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.72	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.26	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.03	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	227.24	
For >50 To 100, Deduct	-20.00	
For >100, Deduct	-28.24	
08 14 16 00-0443 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	329.74	70.18
For 7 Ply Cold Press Construction, Deduct	-3.79	
For Stave Lumber Core (SLC), Add	142.03	
For Structural Composite Lumber Core (SCLC), Add	85.22	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.72	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.26	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.03	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	227.24	
For >50 To 100, Deduct	-20.00	
For >100, Deduct	-28.24	
08 14 16 00-0444 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	326.14	73.37
For 7 Ply Cold Press Construction, Deduct	-3.59	
For Stave Lumber Core (SLC), Add	134.54	
For Structural Composite Lumber Core (SCLC), Add	80.73	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.53	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	96.87	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	134.54	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	215.27	
For >50 To 100, Deduct	-19.98	
For >100, Deduct	-28.13	
08 14 16 00-0445 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	333.62	73.37
For 7 Ply Cold Press Construction, Deduct	-3.74	
For Stave Lumber Core (SLC), Add	140.15	
For Structural Composite Lumber Core (SCLC), Add	84.09	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.42	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.91	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.15	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	224.24	
For >50 To 100, Deduct	-20.35	
For >100, Deduct	-28.69	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0446	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	338.62	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.84	
			<i>For Stave Lumber Core (SLC), Add</i>	143.90	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.34	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.02	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.61	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.90	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	230.24	
			<i>For >50 To 100, Deduct</i>	-20.60	
			<i>For >100, Deduct</i>	-29.07	
08 14 16 00-0447	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	349.97	76.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.94	
			<i>For Stave Lumber Core (SLC), Add</i>	147.63	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.58	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.62	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.29	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.63	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	236.21	
			<i>For >50 To 100, Deduct</i>	-21.33	
			<i>For >100, Deduct</i>	-30.08	
08 14 16 00-0448	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	371.62	76.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.37	
			<i>For Stave Lumber Core (SLC), Add</i>	163.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	98.32	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	117.98	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	163.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	262.19	
			<i>For >50 To 100, Deduct</i>	-22.41	
			<i>For >100, Deduct</i>	-31.70	
08 14 16 00-0449	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	424.78	79.75
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.31	
			<i>For Stave Lumber Core (SLC), Add</i>	198.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.83	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.25	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	318.32	
			<i>For >50 To 100, Deduct</i>	-25.23	
			<i>For >100, Deduct</i>	-35.85	
08 14 16 00-0450	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	438.04	79.75
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.57	
			<i>For Stave Lumber Core (SLC), Add</i>	208.90	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	125.34	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.42	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	150.41	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	208.90	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	334.24	
			<i>For >50 To 100, Deduct</i>	-25.89	
			<i>For >100, Deduct</i>	-36.84	
08 14 16 00-0451	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	477.32	86.14
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.10	
			<i>For Stave Lumber Core (SLC), Add</i>	228.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.27	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.61	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	164.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	228.79	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	366.06	
			<i>For >50 To 100, Deduct</i>	-28.17	
			<i>For >100, Deduct</i>	-40.11	
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	320.78	70.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.61	
			<i>For Stave Lumber Core (SLC), Add</i>	135.31	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.18	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.65	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	97.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	135.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	216.49	
			<i>For >50 To 100, Deduct</i>	-19.55	
			<i>For >100, Deduct</i>	-27.57	
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	320.78	70.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.61	
			<i>For Stave Lumber Core (SLC), Add</i>	135.31	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.18	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.65	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	97.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	135.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	216.49	
			<i>For >50 To 100, Deduct</i>	-19.55	
			<i>For >100, Deduct</i>	-27.57	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0454 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	336.59 -3.80 142.38 85.43 22.78 102.51 142.38 227.81 -20.50 -28.91	73.37
08 14 16 00-0455 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	344.49 -3.95 148.31 88.98 23.73 106.78 148.31 237.29 -20.89 -29.51	73.37
08 14 16 00-0456 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	349.78 -4.06 152.27 91.36 24.36 109.64 152.27 243.64 -21.16 -29.90	73.37
08 14 16 00-0457 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	361.42 -4.17 156.22 93.73 24.99 112.48 156.22 249.95 -21.90 -30.93	76.56
08 14 16 00-0458 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	384.33 -4.62 173.40 104.04 27.74 124.85 173.40 277.44 -23.04 -32.65	76.56
08 14 16 00-0459 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	440.22 -5.61 210.53 126.32 33.69 151.58 210.53 336.85 -26.00 -37.00	79.75
08 14 16 00-0460 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	454.26 -5.90 221.06 132.64 35.37 159.17 221.06 353.70 -26.70 -38.06	79.75
08 14 16 00-0461 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	495.08 -6.46 242.11 145.26 38.74 174.32 242.11 387.37 -29.06 -41.44	86.14

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.83		70.18
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.79		
		<i>For Stave Lumber Core (SLC), Add</i>	179.60		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.76		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.74		
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	129.31		
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	179.60		
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	287.35		
		<i>For >50 To 100, Deduct</i>	-22.50		
		<i>For >100, Deduct</i>	-32.00		
		<i>For 9' Door Height, Add</i>	50.29		
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.83		70.18
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.79		
		<i>For Stave Lumber Core (SLC), Add</i>	179.60		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.76		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.74		
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	129.31		
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	179.60		
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	287.35		
		<i>For >50 To 100, Deduct</i>	-22.50		
		<i>For >100, Deduct</i>	-32.00		
		<i>For 9' Door Height, Add</i>	50.29		
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	373.60		73.37
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.54		
		<i>For Stave Lumber Core (SLC), Add</i>	170.14		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.08		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.22		
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.50		
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.14		
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	272.22		
		<i>For >50 To 100, Deduct</i>	-22.35		
		<i>For >100, Deduct</i>	-31.69		
		<i>For 9' Door Height, Add</i>	47.64		
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	383.05		73.37
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.73		
		<i>For Stave Lumber Core (SLC), Add</i>	177.23		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	106.34		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.36		
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.60		
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	177.23		
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	283.56		
		<i>For >50 To 100, Deduct</i>	-22.82		
		<i>For >100, Deduct</i>	-32.40		
		<i>For 9' Door Height, Add</i>	49.62		
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	389.36		73.37
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.85		
		<i>For Stave Lumber Core (SLC), Add</i>	181.96		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	109.17		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.11		
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.01		
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.96		
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	291.13		
		<i>For >50 To 100, Deduct</i>	-23.14		
		<i>For >100, Deduct</i>	-32.87		
		<i>For 9' Door Height, Add</i>	50.95		
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	402.03		76.56
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.98		
		<i>For Stave Lumber Core (SLC), Add</i>	186.68		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	112.01		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.87		
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	134.41		
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	186.68		
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	298.68		
		<i>For >50 To 100, Deduct</i>	-23.93		
		<i>For >100, Deduct</i>	-33.98		
		<i>For 9' Door Height, Add</i>	52.27		
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	429.41		76.56
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.53		
		<i>For Stave Lumber Core (SLC), Add</i>	207.21		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	124.33		
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.15		
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.19		
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.21		
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	331.54		
		<i>For >50 To 100, Deduct</i>	-25.30		
		<i>For >100, Deduct</i>	-36.03		
		<i>For 9' Door Height, Add</i>	58.02		



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0469 EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	494.95 -6.71 251.58 150.95 40.25 181.14 251.58 402.53 -28.74 -41.11 70.44	79.75
08 14 16 00-0470 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	511.72 -7.04 264.16 158.49 42.27 190.19 264.16 422.65 -29.57 -42.37 73.96	79.75
08 14 16 00-0471 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	558.03 -7.72 289.32 173.59 46.29 208.31 289.32 462.91 -32.21 -46.16 81.01	86.14
08 14 16 00-0472 Oak Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0473 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	503.10 -7.25 272.05 163.23 43.53 195.87 272.05 435.28 -28.66 -41.24	70.18
08 14 16 00-0474 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	503.10 -7.25 272.05 163.23 43.53 195.87 272.05 435.28 -28.66 -41.24	70.18
08 14 16 00-0475 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	509.48 -7.25 272.05 163.23 43.53 195.87 272.05 435.28 -29.14 -41.88	73.37
08 14 16 00-0476 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	513.21 -7.33 274.85 164.91 43.98 197.89 274.85 439.75 -29.33 -42.16	73.37
08 14 16 00-0477 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	514.89 -7.36 276.11 165.66 44.18 198.80 276.11 441.77 -29.41 -42.29	73.37

08 Openings

08 10 Doors and Frames

08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0478	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....522.96	76.56	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.40	
			<i>For Stave Lumber Core (SLC), Add</i>	277.37	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.42	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.38	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	199.71	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	277.37	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	443.80	
			<i>For >50 To 100, Deduct</i>	-29.98	
			<i>For >100, Deduct</i>	-43.05	
08 14 16 00-0479	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....563.58	76.56	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.21	
			<i>For Stave Lumber Core (SLC), Add</i>	307.84	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	184.70	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.25	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	221.64	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	307.84	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	492.54	
			<i>For >50 To 100, Deduct</i>	-32.01	
			<i>For >100, Deduct</i>	-46.10	
08 14 16 00-0480	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....674.56	79.75	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.30	
			<i>For Stave Lumber Core (SLC), Add</i>	386.29	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	231.77	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	61.81	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	278.13	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	386.29	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	618.06	
			<i>For >50 To 100, Deduct</i>	-37.72	
			<i>For >100, Deduct</i>	-54.58	
08 14 16 00-0481	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....700.67	79.75	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.82	
			<i>For Stave Lumber Core (SLC), Add</i>	405.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	243.52	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	64.94	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	292.23	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	405.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	649.39	
			<i>For >50 To 100, Deduct</i>	-39.02	
			<i>For >100, Deduct</i>	-56.54	
08 14 16 00-0482	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....764.59	86.14	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.85	
			<i>For Stave Lumber Core (SLC), Add</i>	444.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	266.54	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	71.08	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	319.85	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	444.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	710.78	
			<i>For >50 To 100, Deduct</i>	-42.54	
			<i>For >100, Deduct</i>	-61.65	
08 14 16 00-0483	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....524.20	70.18	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.68	
			<i>For Stave Lumber Core (SLC), Add</i>	287.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.72	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.06	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.27	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	287.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	460.60	
			<i>For >50 To 100, Deduct</i>	-29.72	
			<i>For >100, Deduct</i>	-42.82	
08 14 16 00-0484	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....524.20	70.18	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.68	
			<i>For Stave Lumber Core (SLC), Add</i>	287.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.72	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.06	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.27	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	287.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	460.60	
			<i>For >50 To 100, Deduct</i>	-29.72	
			<i>For >100, Deduct</i>	-42.82	
08 14 16 00-0485	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....530.58	73.37	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.68	
			<i>For Stave Lumber Core (SLC), Add</i>	287.87	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.72	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.06	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	207.27	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	287.87	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	460.60	
			<i>For >50 To 100, Deduct</i>	-30.20	
			<i>For >100, Deduct</i>	-43.46	



Openings	08
Doors and Frames	08 10
Wood Doors	08 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0486 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	534.52	73.37
For 7 Ply Cold Press Construction, Deduct	-7.76	
For Stave Lumber Core (SLC), Add	290.83	
For Structural Composite Lumber Core (SCLC), Add	174.50	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.53	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	209.40	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	290.83	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	465.32	
For >50 To 100, Deduct	-30.39	
For >100, Deduct	-43.76	
08 14 16 00-0487 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	536.31	73.37
For 7 Ply Cold Press Construction, Deduct	-7.79	
For Stave Lumber Core (SLC), Add	292.17	
For Structural Composite Lumber Core (SCLC), Add	175.30	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.75	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	210.36	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	292.17	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	467.47	
For >50 To 100, Deduct	-30.48	
For >100, Deduct	-43.89	
08 14 16 00-0488 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	544.49	76.56
For 7 Ply Cold Press Construction, Deduct	-7.83	
For Stave Lumber Core (SLC), Add	293.52	
For Structural Composite Lumber Core (SCLC), Add	176.11	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.96	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.33	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	293.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	469.63	
For >50 To 100, Deduct	-31.05	
For >100, Deduct	-44.67	
08 14 16 00-0489 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	587.47	76.56
For 7 Ply Cold Press Construction, Deduct	-8.69	
For Stave Lumber Core (SLC), Add	325.76	
For Structural Composite Lumber Core (SCLC), Add	195.45	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.12	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	234.54	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	325.76	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	521.21	
For >50 To 100, Deduct	-33.20	
For >100, Deduct	-47.89	
08 14 16 00-0490 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	704.54	79.75
For 7 Ply Cold Press Construction, Deduct	-10.90	
For Stave Lumber Core (SLC), Add	408.77	
For Structural Composite Lumber Core (SCLC), Add	245.26	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.40	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	294.32	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	408.77	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	654.04	
For >50 To 100, Deduct	-39.21	
For >100, Deduct	-56.83	
08 14 16 00-0491 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	732.16	79.75
For 7 Ply Cold Press Construction, Deduct	-11.45	
For Stave Lumber Core (SLC), Add	429.49	
For Structural Composite Lumber Core (SCLC), Add	257.69	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.72	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	309.23	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	429.49	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	687.18	
For >50 To 100, Deduct	-40.60	
For >100, Deduct	-58.90	
08 14 16 00-0492 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	799.05	86.14
For 7 Ply Cold Press Construction, Deduct	-12.54	
For Stave Lumber Core (SLC), Add	470.09	
For Structural Composite Lumber Core (SCLC), Add	282.05	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	75.21	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	338.46	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	470.09	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	752.14	
For >50 To 100, Deduct	-44.26	
For >100, Deduct	-64.24	
08 14 16 00-0493 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	599.03	70.18
For 7 Ply Cold Press Construction, Deduct	-9.17	
For Stave Lumber Core (SLC), Add	344.00	
For Structural Composite Lumber Core (SCLC), Add	206.40	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.04	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.68	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	344.00	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	550.39	
For >50 To 100, Deduct	-33.46	
For >100, Deduct	-48.44	
For 9' Door Height, Add	96.32	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0494	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	599.03	70.18
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.17	
	<i>For Stave Lumber Core (SLC), Add</i>	344.00	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	206.40	
	<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.04	
	<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	247.68	
	<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	344.00	
	<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	550.39	
	<i>For >50 To 100, Deduct</i>	-33.46	
	<i>For >100, Deduct</i>	-48.44	
	<i>For 9' Door Height, Add</i>	96.32	
08 14 16 00-0495	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	605.41	73.37
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.17	
	<i>For Stave Lumber Core (SLC), Add</i>	344.00	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	206.40	
	<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.04	
	<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	247.68	
	<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	344.00	
	<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	550.39	
	<i>For >50 To 100, Deduct</i>	-33.94	
	<i>For >100, Deduct</i>	-49.07	
	<i>For 9' Door Height, Add</i>	96.32	
08 14 16 00-0496	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	610.14	73.37
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.27	
	<i>For Stave Lumber Core (SLC), Add</i>	347.54	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	208.53	
	<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.61	
	<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	250.23	
	<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	347.54	
	<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	556.07	
	<i>For >50 To 100, Deduct</i>	-34.18	
	<i>For >100, Deduct</i>	-49.43	
	<i>For 9' Door Height, Add</i>	97.31	
08 14 16 00-0497	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	612.29	73.37
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.31	
	<i>For Stave Lumber Core (SLC), Add</i>	349.16	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	209.49	
	<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.86	
	<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	251.39	
	<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	349.16	
	<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	558.65	
	<i>For >50 To 100, Deduct</i>	-34.28	
	<i>For >100, Deduct</i>	-49.59	
	<i>For 9' Door Height, Add</i>	97.76	
08 14 16 00-0498	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	620.79	76.56
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.35	
	<i>For Stave Lumber Core (SLC), Add</i>	350.75	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	210.45	
	<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.12	
	<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	252.54	
	<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	350.75	
	<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	561.19	
	<i>For >50 To 100, Deduct</i>	-34.87	
	<i>For >100, Deduct</i>	-50.39	
	<i>For 9' Door Height, Add</i>	98.21	
08 14 16 00-0499	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	672.15	76.56
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.38	
	<i>For Stave Lumber Core (SLC), Add</i>	389.27	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	233.56	
	<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	62.28	
	<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	280.27	
	<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	389.27	
	<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	622.82	
	<i>For >50 To 100, Deduct</i>	-37.44	
	<i>For >100, Deduct</i>	-54.24	
	<i>For 9' Door Height, Add</i>	108.99	
08 14 16 00-0500	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	810.83	79.75
	<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.03	
	<i>For Stave Lumber Core (SLC), Add</i>	488.49	
	<i>For Structural Composite Lumber Core (SCLC), Add</i>	293.09	
	<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	78.16	
	<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	351.71	
	<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	488.49	
	<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	781.58	
	<i>For >50 To 100, Deduct</i>	-44.53	
	<i>For >100, Deduct</i>	-64.80	
	<i>For 9' Door Height, Add</i>	136.78	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0501 EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	843.82	79.75
For 7 Ply Cold Press Construction, Deduct	-13.69	
For Stave Lumber Core (SLC), Add	513.23	
For Structural Composite Lumber Core (SCLC), Add	307.94	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	82.12	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	369.53	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	513.23	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	821.17	
For >50 To 100, Deduct	-46.18	
For >100, Deduct	-67.27	
For 9' Door Height, Add	143.71	
08 14 16 00-0502 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	921.27	86.14
For 7 Ply Cold Press Construction, Deduct	-14.98	
For Stave Lumber Core (SLC), Add	561.75	
For Structural Composite Lumber Core (SCLC), Add	337.05	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	89.88	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	404.46	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	561.75	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	898.80	
For >50 To 100, Deduct	-50.37	
For >100, Deduct	-73.40	
For 9' Door Height, Add	157.29	
08 14 16 00-0503 Maple Faced Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0504 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	447.29	70.18
For 7 Ply Cold Press Construction, Deduct	-6.14	
For Stave Lumber Core (SLC), Add	230.19	
For Structural Composite Lumber Core (SCLC), Add	138.11	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.83	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.74	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.19	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.30	
For >50 To 100, Deduct	-25.87	
For >100, Deduct	-37.06	
08 14 16 00-0505 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	447.29	70.18
For 7 Ply Cold Press Construction, Deduct	-6.14	
For Stave Lumber Core (SLC), Add	230.19	
For Structural Composite Lumber Core (SCLC), Add	138.11	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.83	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.74	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.19	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.30	
For >50 To 100, Deduct	-25.87	
For >100, Deduct	-37.06	
08 14 16 00-0506 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	453.67	73.37
For 7 Ply Cold Press Construction, Deduct	-6.14	
For Stave Lumber Core (SLC), Add	230.19	
For Structural Composite Lumber Core (SCLC), Add	138.11	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.83	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.74	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.19	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.30	
For >50 To 100, Deduct	-26.35	
For >100, Deduct	-37.69	
08 14 16 00-0507 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	456.83	73.37
For 7 Ply Cold Press Construction, Deduct	-6.20	
For Stave Lumber Core (SLC), Add	232.56	
For Structural Composite Lumber Core (SCLC), Add	139.54	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.21	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.44	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	232.56	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	372.10	
For >50 To 100, Deduct	-26.51	
For >100, Deduct	-37.93	
08 14 16 00-0508 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	458.24	73.37
For 7 Ply Cold Press Construction, Deduct	-6.23	
For Stave Lumber Core (SLC), Add	233.62	
For Structural Composite Lumber Core (SCLC), Add	140.17	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.38	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	168.20	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.62	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.79	
For >50 To 100, Deduct	-26.58	
For >100, Deduct	-38.04	
08 14 16 00-0509 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	466.06	76.56
For 7 Ply Cold Press Construction, Deduct	-6.26	
For Stave Lumber Core (SLC), Add	234.70	
For Structural Composite Lumber Core (SCLC), Add	140.82	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.55	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	168.98	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	234.70	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	375.52	
For >50 To 100, Deduct	-27.13	
For >100, Deduct	-38.78	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0510	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....500.44	500.44	76.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.95	
			<i>For Stave Lumber Core (SLC), Add</i>	260.48	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	156.29	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.68	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	187.55	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	260.48	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	416.77	
			<i>For >50 To 100, Deduct</i>	-28.85	
			<i>For >100, Deduct</i>	-41.36	
08 14 16 00-0511	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....573.53	573.53	79.75
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.28	
			<i>For Stave Lumber Core (SLC), Add</i>	310.52	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	186.31	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.68	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.57	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	310.52	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	496.82	
			<i>For >50 To 100, Deduct</i>	-32.66	
			<i>For >100, Deduct</i>	-47.00	
08 14 16 00-0512	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....617.10	617.10	79.75
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.15	
			<i>For Stave Lumber Core (SLC), Add</i>	343.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	205.92	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.91	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	247.10	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	343.19	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	549.11	
			<i>For >50 To 100, Deduct</i>	-34.84	
			<i>For >100, Deduct</i>	-50.27	
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door .....660.72	660.72	79.75
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.02	
			<i>For Stave Lumber Core (SLC), Add</i>	375.91	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	225.54	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	60.15	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	270.65	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	375.91	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	601.45	
			<i>For >50 To 100, Deduct</i>	-37.02	
			<i>For >100, Deduct</i>	-53.54	
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....465.15	465.15	70.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.50	
			<i>For Stave Lumber Core (SLC), Add</i>	243.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	243.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	389.74	
			<i>For >50 To 100, Deduct</i>	-26.77	
			<i>For >100, Deduct</i>	-38.40	
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....465.15	465.15	70.18
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.50	
			<i>For Stave Lumber Core (SLC), Add</i>	243.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	243.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	389.74	
			<i>For >50 To 100, Deduct</i>	-26.77	
			<i>For >100, Deduct</i>	-38.40	
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....471.53	471.53	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.50	
			<i>For Stave Lumber Core (SLC), Add</i>	243.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.15	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	243.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	389.74	
			<i>For >50 To 100, Deduct</i>	-27.25	
			<i>For >100, Deduct</i>	-39.03	
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....474.86	474.86	73.37
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.56	
			<i>For Stave Lumber Core (SLC), Add</i>	246.08	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.65	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.37	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	177.18	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	246.08	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	393.73	
			<i>For >50 To 100, Deduct</i>	-27.41	
			<i>For >100, Deduct</i>	-39.28	



Openings	08
Doors and Frames	08 10
Wood Doors	08 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0518 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	476.38	73.37
For 7 Ply Cold Press Construction, Deduct	-6.59	
For Stave Lumber Core (SLC), Add	247.22	
For Structural Composite Lumber Core (SCLC), Add	148.33	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.56	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.00	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	247.22	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	395.56	
For >50 To 100, Deduct	-27.49	
For >100, Deduct	-39.40	
08 14 16 00-0519 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	484.28	76.56
For 7 Ply Cold Press Construction, Deduct	-6.62	
For Stave Lumber Core (SLC), Add	248.36	
For Structural Composite Lumber Core (SCLC), Add	149.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.74	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.82	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.36	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.38	
For >50 To 100, Deduct	-28.04	
For >100, Deduct	-40.15	
08 14 16 00-0520 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	520.65	76.56
For 7 Ply Cold Press Construction, Deduct	-7.35	
For Stave Lumber Core (SLC), Add	275.64	
For Structural Composite Lumber Core (SCLC), Add	165.38	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.10	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.46	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.64	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	441.02	
For >50 To 100, Deduct	-29.86	
For >100, Deduct	-42.88	
08 14 16 00-0521 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	597.63	79.75
For 7 Ply Cold Press Construction, Deduct	-8.76	
For Stave Lumber Core (SLC), Add	328.59	
For Structural Composite Lumber Core (SCLC), Add	197.15	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.57	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.58	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.59	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	525.74	
For >50 To 100, Deduct	-33.87	
For >100, Deduct	-48.81	
08 14 16 00-0522 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	643.75	79.75
For 7 Ply Cold Press Construction, Deduct	-9.68	
For Stave Lumber Core (SLC), Add	363.18	
For Structural Composite Lumber Core (SCLC), Add	217.91	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.11	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	261.49	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	363.18	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	581.09	
For >50 To 100, Deduct	-36.18	
For >100, Deduct	-52.27	
08 14 16 00-0523 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	689.90	79.75
For 7 Ply Cold Press Construction, Deduct	-10.61	
For Stave Lumber Core (SLC), Add	397.79	
For Structural Composite Lumber Core (SCLC), Add	238.68	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	63.65	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	286.41	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	397.79	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	636.47	
For >50 To 100, Deduct	-38.48	
For >100, Deduct	-55.73	
08 14 16 00-0524 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	528.47	70.18
For 7 Ply Cold Press Construction, Deduct	-7.76	
For Stave Lumber Core (SLC), Add	291.08	
For Structural Composite Lumber Core (SCLC), Add	174.65	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.57	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	209.57	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.08	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	465.72	
For >50 To 100, Deduct	-29.93	
For >100, Deduct	-43.14	
For 9' Door Height, Add	81.50	
08 14 16 00-0525 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	528.47	70.18
For 7 Ply Cold Press Construction, Deduct	-7.76	
For Stave Lumber Core (SLC), Add	291.08	
For Structural Composite Lumber Core (SCLC), Add	174.65	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.57	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	209.57	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.08	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	465.72	
For >50 To 100, Deduct	-29.93	
For >100, Deduct	-43.14	
For 9' Door Height, Add	81.50	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	534.85	73.37
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.76	
		<i>For Stave Lumber Core (SLC), Add</i>	291.08	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	174.65	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.57	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	209.57	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	291.08	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	465.72	
		<i>For >50 To 100, Deduct</i>	-30.41	
		<i>For >100, Deduct</i>	-43.78	
		<i>For 9' Door Height, Add</i>	81.50	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	538.85	73.37
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.84	
		<i>For Stave Lumber Core (SLC), Add</i>	294.08	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.45	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.05	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	211.73	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	294.08	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	470.52	
		<i>For >50 To 100, Deduct</i>	-30.61	
		<i>For >100, Deduct</i>	-44.08	
		<i>For 9' Door Height, Add</i>	82.34	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	540.66	73.37
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.88	
		<i>For Stave Lumber Core (SLC), Add</i>	295.43	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	177.26	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.27	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	212.71	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	295.43	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	472.69	
		<i>For >50 To 100, Deduct</i>	-30.70	
		<i>For >100, Deduct</i>	-44.22	
		<i>For 9' Door Height, Add</i>	82.72	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	548.84	76.56
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.91	
		<i>For Stave Lumber Core (SLC), Add</i>	296.78	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	178.07	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.49	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	213.68	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	296.78	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	474.85	
		<i>For >50 To 100, Deduct</i>	-31.27	
		<i>For >100, Deduct</i>	-44.99	
		<i>For 9' Door Height, Add</i>	83.10	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	592.31	76.56
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.78	
		<i>For Stave Lumber Core (SLC), Add</i>	329.39	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	197.63	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	52.70	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	237.16	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	329.39	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	527.02	
		<i>For >50 To 100, Deduct</i>	-33.44	
		<i>For >100, Deduct</i>	-48.25	
		<i>For 9' Door Height, Add</i>	92.23	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	683.05	79.75
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.47	
		<i>For Stave Lumber Core (SLC), Add</i>	392.66	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	235.59	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	62.82	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	282.71	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	392.66	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	628.25	
		<i>For >50 To 100, Deduct</i>	-38.14	
		<i>For >100, Deduct</i>	-55.22	
		<i>For 9' Door Height, Add</i>	109.94	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	738.17	79.75
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.57	
		<i>For Stave Lumber Core (SLC), Add</i>	434.00	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	260.40	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	69.44	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	312.48	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	434.00	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	694.39	
		<i>For >50 To 100, Deduct</i>	-40.90	
		<i>For >100, Deduct</i>	-59.35	
		<i>For 9' Door Height, Add</i>	121.52	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0533 EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	793.31	79.75
For 7 Ply Cold Press Construction, Deduct	-12.68	
For Stave Lumber Core (SLC), Add	475.35	
For Structural Composite Lumber Core (SCLC), Add	285.21	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	76.06	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	342.25	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	475.35	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	760.56	
For >50 To 100, Deduct	-43.65	
For >100, Deduct	-63.49	
For 9' Door Height, Add	133.10	
08 14 16 00-0534 Walnut Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0535 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	696.90	70.18
For 7 Ply Cold Press Construction, Deduct	-11.13	
For Stave Lumber Core (SLC), Add	417.40	
For Structural Composite Lumber Core (SCLC), Add	250.44	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.78	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	300.53	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	417.40	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	667.84	
For >50 To 100, Deduct	-38.35	
For >100, Deduct	-55.78	
08 14 16 00-0536 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	696.90	70.18
For 7 Ply Cold Press Construction, Deduct	-11.13	
For Stave Lumber Core (SLC), Add	417.40	
For Structural Composite Lumber Core (SCLC), Add	250.44	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.78	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	300.53	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	417.40	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	667.84	
For >50 To 100, Deduct	-38.35	
For >100, Deduct	-55.78	
08 14 16 00-0537 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	703.46	73.37
For 7 Ply Cold Press Construction, Deduct	-11.13	
For Stave Lumber Core (SLC), Add	417.53	
For Structural Composite Lumber Core (SCLC), Add	250.52	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.81	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	300.62	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	417.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	668.05	
For >50 To 100, Deduct	-38.84	
For >100, Deduct	-56.43	
08 14 16 00-0538 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	709.19	73.37
For 7 Ply Cold Press Construction, Deduct	-11.25	
For Stave Lumber Core (SLC), Add	421.83	
For Structural Composite Lumber Core (SCLC), Add	253.10	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.49	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	303.72	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	421.83	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	674.93	
For >50 To 100, Deduct	-39.13	
For >100, Deduct	-56.86	
08 14 16 00-0539 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	724.20	73.37
For 7 Ply Cold Press Construction, Deduct	-11.55	
For Stave Lumber Core (SLC), Add	433.09	
For Structural Composite Lumber Core (SCLC), Add	259.85	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	69.29	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	311.82	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	433.09	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	692.94	
For >50 To 100, Deduct	-39.88	
For >100, Deduct	-57.98	
08 14 16 00-0540 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	745.55	76.56
For 7 Ply Cold Press Construction, Deduct	-11.85	
For Stave Lumber Core (SLC), Add	444.32	
For Structural Composite Lumber Core (SCLC), Add	266.59	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	71.09	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	319.91	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	444.32	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	710.90	
For >50 To 100, Deduct	-41.11	
For >100, Deduct	-59.74	
08 14 16 00-0541 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	784.46	76.56
For 7 Ply Cold Press Construction, Deduct	-12.63	
For Stave Lumber Core (SLC), Add	473.50	
For Structural Composite Lumber Core (SCLC), Add	284.10	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	75.76	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	340.92	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	473.50	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	757.60	
For >50 To 100, Deduct	-43.05	
For >100, Deduct	-62.66	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0542	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	955.05 -15.91 596.66 357.99 95.46 429.59 596.66 954.65 -51.74 -75.62	79.75
08 14 16 00-0543	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	994.81 -16.71 626.48 375.89 100.24 451.06 626.48 1,002.36 -53.73 -78.60	79.75
08 14 16 00-0544	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,074.40 -18.30 686.17 411.70 109.79 494.04 686.17 1,097.87 -57.71 -84.57	79.75
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	729.28 -11.78 441.68 265.01 70.67 318.01 441.68 706.69 -39.97 -58.21	70.18
08 14 16 00-0546	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	729.28 -11.78 441.68 265.01 70.67 318.01 441.68 706.69 -39.97 -58.21	70.18
08 14 16 00-0547	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	735.84 -11.78 441.82 265.09 70.69 318.11 441.82 706.91 -40.46 -58.86	73.37
08 14 16 00-0548	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	741.93 -11.90 446.39 267.83 71.42 321.40 446.39 714.22 -40.77 -59.31	73.37
08 14 16 00-0549	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	757.80 -12.22 458.29 274.97 73.33 329.97 458.29 733.26 -41.56 -60.50	73.37



Openings	08
Doors and Frames	08 10
Wood Doors	08 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0550 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	780.01 -12.54 470.16 282.10 75.23 338.52 470.16 752.26 -42.83 -62.33	76.56
08 14 16 00-0551 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	821.21 -13.36 501.06 300.64 80.17 360.76 501.06 801.70 -44.89 -65.42	76.56
08 14 16 00-0552 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,001.33 -16.84 631.37 378.82 101.02 454.58 631.37 1,010.18 -54.05 -79.09	79.75
08 14 16 00-0553 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,043.42 -17.68 662.93 397.76 106.07 477.31 662.93 1,060.69 -56.16 -82.24	79.75
08 14 16 00-0554 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	1,127.64 -19.36 726.10 435.66 116.18 522.79 726.10 1,161.76 -60.37 -88.56	79.75
08 14 16 00-0555 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	844.13 -14.08 527.82 316.69 84.45 380.03 527.82 844.51 -45.72 -66.82 147.79	70.18
08 14 16 00-0556 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	844.13 -14.08 527.82 316.69 84.45 380.03 527.82 844.51 -45.72 -66.82 147.79	70.18
08 14 16 00-0557 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	850.72 -14.08 527.98 316.79 84.48 380.14 527.98 844.76 -46.20 -67.47 147.83	73.37

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0558	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	858.00 -14.23 533.44 320.06 85.35 384.08 533.44 853.50 -46.57 -68.02 149.36	73.37
08 14 16 00-0559	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	876.95 -14.60 547.65 328.59 87.62 394.31 547.65 876.24 -47.52 -69.44 153.34	73.37
08 14 16 00-0560	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	902.28 -14.98 561.86 337.12 89.90 404.54 561.86 898.98 -48.94 -71.50 157.32	76.56
08 14 16 00-0561	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	951.49 -15.97 598.77 359.26 95.80 431.11 598.77 958.03 -51.40 -75.19 167.66	76.56
08 14 16 00-0562	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	1,165.50 -20.12 754.49 452.70 120.72 543.23 754.49 1,207.19 -62.26 -91.40 211.26	79.75
08 14 16 00-0563	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	1,215.79 -21.13 792.21 475.33 126.75 570.39 792.21 1,267.54 -64.78 -95.17 221.82	79.75
08 14 16 00-0564	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	1,316.42 -23.14 867.68 520.61 138.83 624.73 867.68 1,388.29 -69.81 -102.72 242.95	79.75
08 14 16 00-0565	Lauan Faced Wood Doors (08 14 16 00-0440)		
08 14 16 00-0566	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	441.74 36.16 162.74 226.03 361.64 -25.60 -36.64	70.18



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0567 EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	441.74	70.18
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.16	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.74	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.03	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.64	
For >50 To 100, Deduct	-25.60	
For >100, Deduct	-36.64	
08 14 16 00-0568 EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	448.99	73.37
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.27	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	163.21	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.68	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	362.69	
For >50 To 100, Deduct	-26.12	
For >100, Deduct	-37.34	
08 14 16 00-0569 EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	457.67	73.37
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.31	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.90	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.19	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.10	
For >50 To 100, Deduct	-26.55	
For >100, Deduct	-37.99	
08 14 16 00-0570 EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	460.81	73.37
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.69	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.59	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.55	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.87	
For >50 To 100, Deduct	-26.71	
For >100, Deduct	-38.23	
08 14 16 00-0571 EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	470.33	76.56
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.06	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.29	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.90	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	380.64	
For >50 To 100, Deduct	-27.34	
For >100, Deduct	-39.10	
08 14 16 00-0572 EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	499.00	76.56
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.50	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.77	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	259.40	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	415.04	
For >50 To 100, Deduct	-28.78	
For >100, Deduct	-41.25	
08 14 16 00-0573 EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	530.04	79.75
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.46	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.09	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	277.90	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	444.64	
For >50 To 100, Deduct	-30.49	
For >100, Deduct	-43.74	
08 14 16 00-0574 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	548.57	79.75
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.69	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	210.09	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.80	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	466.87	
For >50 To 100, Deduct	-31.42	
For >100, Deduct	-45.13	
08 14 16 00-0575 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	585.64	79.75
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.14	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	230.11	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	319.60	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	511.36	
For >50 To 100, Deduct	-33.27	
For >100, Deduct	-47.91	
08 14 16 00-0576 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	459.26	70.18
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.27	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.20	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.17	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.67	
For >50 To 100, Deduct	-26.47	
For >100, Deduct	-37.95	
08 14 16 00-0577 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	459.26	70.18
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.27	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.20	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.17	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.67	
For >50 To 100, Deduct	-26.47	
For >100, Deduct	-37.95	
08 14 16 00-0578 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	466.57	73.37
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.38	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.70	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.87	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	383.78	
For >50 To 100, Deduct	-27.00	
For >100, Deduct	-38.66	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0579	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....475.75	73.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.48	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	177.66	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	246.75	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	394.80	
			<i>For >50 To 100, Deduct</i>	-27.46	
			<i>For >100, Deduct</i>	-39.35	
08 14 16 00-0580	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....479.10	73.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.88	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	179.47	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	249.26	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	398.82	
			<i>For >50 To 100, Deduct</i>	-27.62	
			<i>For >100, Deduct</i>	-39.60	
08 14 16 00-0581	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....488.79	76.56	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.28	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.26	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	251.75	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	402.79	
			<i>For >50 To 100, Deduct</i>	-28.27	
			<i>For >100, Deduct</i>	-40.49	
08 14 16 00-0582	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....519.12	76.56	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.92	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	197.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.49	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	439.19	
			<i>For >50 To 100, Deduct</i>	-29.78	
			<i>For >100, Deduct</i>	-42.76	
08 14 16 00-0583	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....551.61	79.75	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.05	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	211.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	294.08	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	470.52	
			<i>For >50 To 100, Deduct</i>	-31.57	
			<i>For >100, Deduct</i>	-45.36	
08 14 16 00-0584	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....571.21	79.75	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.40	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	222.32	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	308.78	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	494.04	
			<i>For >50 To 100, Deduct</i>	-32.55	
			<i>For >100, Deduct</i>	-46.83	
08 14 16 00-0585	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....610.45	79.75	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	243.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	338.21	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	541.13	
			<i>For >50 To 100, Deduct</i>	-34.51	
			<i>For >100, Deduct</i>	-49.77	
08 14 16 00-0586	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....521.42	70.18	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.77	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	285.79	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	457.26	
			<i>For >50 To 100, Deduct</i>	-29.58	
			<i>For >100, Deduct</i>	-42.62	
			<i>For 9' Door Height, Add</i>	80.02	
08 14 16 00-0587	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....521.42	70.18	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.77	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	285.79	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	457.26	
			<i>For >50 To 100, Deduct</i>	-29.58	
			<i>For >100, Deduct</i>	-42.62	
			<i>For 9' Door Height, Add</i>	80.02	
08 14 16 00-0588	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....528.91	73.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.86	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	206.37	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	286.62	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	458.59	
			<i>For >50 To 100, Deduct</i>	-30.11	
			<i>For >100, Deduct</i>	-43.34	
			<i>For 9' Door Height, Add</i>	80.25	
08 14 16 00-0589	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....539.92	73.37	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	47.18	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	212.31	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	294.88	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	471.80	
			<i>For >50 To 100, Deduct</i>	-30.66	
			<i>For >100, Deduct</i>	-44.16	
			<i>For 9' Door Height, Add</i>	82.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0590	EA			2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	543.92 47.66 214.47 297.88 476.60 -30.86 -44.46 83.41	73.37
08 14 16 00-0591	EA			3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	554.26 48.14 216.61 300.85 481.36 -31.54 -45.40 84.24	76.56
08 14 16 00-0592	EA			3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	590.51 52.49 236.19 328.04 524.66 -33.35 -48.12 91.85	76.56
08 14 16 00-0593	EA			3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	628.07 56.23 253.02 351.42 562.27 -35.39 -51.09 98.40	79.75
08 14 16 00-0594	EA			3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	651.48 59.04 265.66 368.98 590.36 -36.56 -52.85 103.31	79.75
08 14 16 00-0595	EA			4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 9' Door Height, Add</i>	698.39 64.67 291.00 404.16 646.66 -38.91 -56.37 113.16	79.75
08 14 16 00-0596				Medium Density Overlay (MDO) Wood Doors <small>(08 14 16 00-0440)</small>		
08 14 16 00-0597	EA			2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	368.73 171.27 102.76 27.40 -21.95 -31.16	70.18
08 14 16 00-0598	EA			2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	368.73 171.27 102.76 27.40 -21.95 -31.16	70.18
08 14 16 00-0599	EA			2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	388.34 181.19 108.72 28.99 -23.09 -32.79	73.37
08 14 16 00-0600	EA			2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	401.53 191.09 114.65 30.57 -23.75 -33.78	73.37
08 14 16 00-0601	EA			2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	403.99 192.93 115.76 30.87 -23.87 -33.97	73.37

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0602	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....412.86 <i>For Stave Lumber Core (SLC), Add</i> 194.80 <i>For Structural Composite Lumber Core (SCLC), Add</i> 116.88 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 31.17 <i>For >50 To 100, Deduct</i> -24.47 <i>For >100, Deduct</i> -34.79		76.56
08 14 16 00-0603	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....441.49 <i>For Stave Lumber Core (SLC), Add</i> 216.27 <i>For Structural Composite Lumber Core (SCLC), Add</i> 129.76 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 34.60 <i>For >50 To 100, Deduct</i> -25.90 <i>For >100, Deduct</i> -36.94		76.56
08 14 16 00-0604	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....500.14 <i>For Stave Lumber Core (SLC), Add</i> 255.47 <i>For Structural Composite Lumber Core (SCLC), Add</i> 153.28 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 40.88 <i>For >50 To 100, Deduct</i> -28.99 <i>For >100, Deduct</i> -41.50		79.75
08 14 16 00-0605	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....517.19 <i>For Stave Lumber Core (SLC), Add</i> 268.26 <i>For Structural Composite Lumber Core (SCLC), Add</i> 160.96 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 42.92 <i>For >50 To 100, Deduct</i> -29.85 <i>For >100, Deduct</i> -42.78		79.75
08 14 16 00-0606	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....551.22 <i>For Stave Lumber Core (SLC), Add</i> 293.78 <i>For Structural Composite Lumber Core (SCLC), Add</i> 176.27 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 47.01 <i>For >50 To 100, Deduct</i> -31.55 <i>For >100, Deduct</i> -45.33		79.75
08 14 16 00-0607	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....382.03 <i>For Stave Lumber Core (SLC), Add</i> 181.25 <i>For Structural Composite Lumber Core (SCLC), Add</i> 108.75 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 29.00 <i>For >50 To 100, Deduct</i> -22.61 <i>For >100, Deduct</i> -32.16		70.18
08 14 16 00-0608	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....382.03 <i>For Stave Lumber Core (SLC), Add</i> 181.25 <i>For Structural Composite Lumber Core (SCLC), Add</i> 108.75 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 29.00 <i>For >50 To 100, Deduct</i> -22.61 <i>For >100, Deduct</i> -32.16		70.18
08 14 16 00-0609	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....402.41 <i>For Stave Lumber Core (SLC), Add</i> 191.75 <i>For Structural Composite Lumber Core (SCLC), Add</i> 115.05 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 30.68 <i>For >50 To 100, Deduct</i> -23.79 <i>For >100, Deduct</i> -33.85		73.37
08 14 16 00-0610	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....416.37 <i>For Stave Lumber Core (SLC), Add</i> 202.22 <i>For Structural Composite Lumber Core (SCLC), Add</i> 121.33 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 32.35 <i>For >50 To 100, Deduct</i> -24.49 <i>For >100, Deduct</i> -34.90		73.37
08 14 16 00-0611	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....418.97 <i>For Stave Lumber Core (SLC), Add</i> 204.17 <i>For Structural Composite Lumber Core (SCLC), Add</i> 122.50 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 32.67 <i>For >50 To 100, Deduct</i> -24.62 <i>For >100, Deduct</i> -35.09		73.37
08 14 16 00-0612	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....427.98 <i>For Stave Lumber Core (SLC), Add</i> 206.14 <i>For Structural Composite Lumber Core (SCLC), Add</i> 123.68 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 32.98 <i>For >50 To 100, Deduct</i> -25.23 <i>For >100, Deduct</i> -35.93		76.56
08 14 16 00-0613	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....458.26 <i>For Stave Lumber Core (SLC), Add</i> 228.85 <i>For Structural Composite Lumber Core (SCLC), Add</i> 137.31 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 36.62 <i>For >50 To 100, Deduct</i> -26.74 <i>For >100, Deduct</i> -38.20		76.56
08 14 16 00-0614	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....519.96 <i>For Stave Lumber Core (SLC), Add</i> 270.34 <i>For Structural Composite Lumber Core (SCLC), Add</i> 162.20 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 43.25 <i>For >50 To 100, Deduct</i> -29.99 <i>For >100, Deduct</i> -42.98		79.75
08 14 16 00-0615	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....538.00 <i>For Stave Lumber Core (SLC), Add</i> 283.87 <i>For Structural Composite Lumber Core (SCLC), Add</i> 170.32 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 45.42 <i>For >50 To 100, Deduct</i> -30.89 <i>For >100, Deduct</i> -44.34		79.75



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0616	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	574.03	79.75
			<i>For Stave Lumber Core (SLC), Add</i>	310.89	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	186.53	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.74	
			<i>For >50 To 100, Deduct</i>	-32.69	
			<i>For >100, Deduct</i>	-47.04	
08 14 16 00-0617	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	429.15	70.18
			<i>For Stave Lumber Core (SLC), Add</i>	216.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.95	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.65	
			<i>For >50 To 100, Deduct</i>	-24.97	
			<i>For >100, Deduct</i>	-35.70	
			<i>For 9' Door Height, Add</i>	60.64	
08 14 16 00-0618	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	429.15	70.18
			<i>For Stave Lumber Core (SLC), Add</i>	216.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	129.95	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.65	
			<i>For >50 To 100, Deduct</i>	-24.97	
			<i>For >100, Deduct</i>	-35.70	
			<i>For 9' Door Height, Add</i>	60.64	
08 14 16 00-0619	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	452.26	73.37
			<i>For Stave Lumber Core (SLC), Add</i>	229.13	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.66	
			<i>For >50 To 100, Deduct</i>	-26.28	
			<i>For >100, Deduct</i>	-37.59	
			<i>For 9' Door Height, Add</i>	64.16	
08 14 16 00-0620	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	468.96	73.37
			<i>For Stave Lumber Core (SLC), Add</i>	241.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.67	
			<i>For >50 To 100, Deduct</i>	-27.12	
			<i>For >100, Deduct</i>	-38.84	
			<i>For 9' Door Height, Add</i>	67.66	
08 14 16 00-0621	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	472.05	73.37
			<i>For Stave Lumber Core (SLC), Add</i>	243.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.39	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.04	
			<i>For >50 To 100, Deduct</i>	-27.27	
			<i>For >100, Deduct</i>	-39.07	
			<i>For 9' Door Height, Add</i>	68.31	
08 14 16 00-0622	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	481.59	76.56
			<i>For Stave Lumber Core (SLC), Add</i>	246.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.81	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.42	
			<i>For >50 To 100, Deduct</i>	-27.91	
			<i>For >100, Deduct</i>	-39.95	
			<i>For 9' Door Height, Add</i>	68.98	
08 14 16 00-0623	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	517.76	76.56
			<i>For Stave Lumber Core (SLC), Add</i>	273.47	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.08	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.76	
			<i>For >50 To 100, Deduct</i>	-29.72	
			<i>For >100, Deduct</i>	-42.66	
			<i>For 9' Door Height, Add</i>	76.57	
08 14 16 00-0624	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	590.24	79.75
			<i>For Stave Lumber Core (SLC), Add</i>	323.05	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.83	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.69	
			<i>For >50 To 100, Deduct</i>	-33.50	
			<i>For >100, Deduct</i>	-48.26	
			<i>For 9' Door Height, Add</i>	90.45	
08 14 16 00-0625	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	611.81	79.75
			<i>For Stave Lumber Core (SLC), Add</i>	339.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	203.54	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.28	
			<i>For >50 To 100, Deduct</i>	-34.58	
			<i>For >100, Deduct</i>	-49.87	
			<i>For 9' Door Height, Add</i>	94.98	
08 14 16 00-0626	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	654.86	79.75
			<i>For Stave Lumber Core (SLC), Add</i>	371.51	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	222.91	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.44	
			<i>For >50 To 100, Deduct</i>	-36.73	
			<i>For >100, Deduct</i>	-53.10	
			<i>For 9' Door Height, Add</i>	104.02	
08 14 16 00-0627			2-1/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
08 14 16 00-0628			Birch Faced Wood Doors <small>(08 14 16 00-0627)</small>		
08 14 16 00-0629	EA		2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	359.57	70.18
08 14 16 00-0630	EA		2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	359.57	70.18
08 14 16 00-0631	EA		2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	377.42	73.37
08 14 16 00-0632	EA		2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	387.01	73.37
08 14 16 00-0633	EA		2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	393.45	73.37



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0634	EA		3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	406.20	76.56
08 14 16 00-0635	EA		3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	434.04	76.56
08 14 16 00-0636	EA		3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	500.56	79.75
08 14 16 00-0637	EA		3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	517.63	79.75
08 14 16 00-0638	EA		4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	564.47	86.14
08 14 16 00-0639	EA		2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	372.32	70.18
08 14 16 00-0640	EA		2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	372.32	70.18
08 14 16 00-0641	EA		2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	390.83	73.37
08 14 16 00-0642	EA		2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	401.01	73.37
08 14 16 00-0643	EA		2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	407.80	73.37
08 14 16 00-0644	EA		3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	420.93	76.56
08 14 16 00-0645	EA		3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	450.38	76.56
08 14 16 00-0646	EA		3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	520.41	79.75
08 14 16 00-0647	EA		3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	538.47	79.75
08 14 16 00-0648	EA		4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	587.30	86.14
08 14 16 00-0649	EA		2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	418.72	70.18
08 14 16 00-0650	EA		2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	418.72	70.18
08 14 16 00-0651	EA		2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	439.65	73.37
08 14 16 00-0652	EA		2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	451.85	73.37
08 14 16 00-0653	EA		2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	460.01	73.37
08 14 16 00-0654	EA		3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	474.47	76.56
08 14 16 00-0655	EA		3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	509.84	76.56
08 14 16 00-0656	EA		3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	592.60	79.75
08 14 16 00-0657	EA		3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	614.27	79.75
08 14 16 00-0658	EA		4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	670.30	86.14

08 14 16 00-0659 Oak Faced Wood Doors (08 14 16 00-0627)

08 14 16 00-0660	EA		2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	606.70	70.18
08 14 16 00-0661	EA		2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	606.70	70.18
08 14 16 00-0662	EA		2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	613.08	73.37
08 14 16 00-0663	EA		2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	617.92	73.37
08 14 16 00-0664	EA		2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	620.07	73.37
08 14 16 00-0665	EA		3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	628.60	76.56
08 14 16 00-0666	EA		3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	680.86	76.56
08 14 16 00-0667	EA		3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	821.72	79.75
08 14 16 00-0668	EA		3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	855.28	79.75
08 14 16 00-0669	EA		4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	933.81	86.14
08 14 16 00-0670	EA		2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	633.85	70.18
08 14 16 00-0671	EA		2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	633.85	70.18
08 14 16 00-0672	EA		2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	640.23	73.37
08 14 16 00-0673	EA		2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	645.32	73.37
08 14 16 00-0674	EA		2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	647.61	73.37
08 14 16 00-0675	EA		3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	656.29	76.56
08 14 16 00-0676	EA		3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	711.56	76.56
08 14 16 00-0677	EA		3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	860.26	79.75
08 14 16 00-0678	EA		3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	895.76	79.75
08 14 16 00-0679	EA		4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	978.12	86.14
08 14 16 00-0680	EA		2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	732.54	70.18
08 14 16 00-0681	EA		2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	732.54	70.18
08 14 16 00-0682	EA		2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	738.92	73.37
08 14 16 00-0683	EA		2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	745.05	73.37
08 14 16 00-0684	EA		2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	747.77	73.37
08 14 16 00-0685	EA		3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	756.91	76.56
08 14 16 00-0686	EA		3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	823.25	76.56
08 14 16 00-0687	EA		3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	1,000.40	79.75
08 14 16 00-0688	EA		3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	1,043.02	79.75
08 14 16 00-0689	EA		4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	1,139.28	86.14

08 14 16 00-0690 Maple Faced Wood Doors (08 14 16 00-0627)

08 14 16 00-0691	EA		2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	534.97	70.18
08 14 16 00-0692	EA		2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	534.97	70.18
08 14 16 00-0693	EA		2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	541.35	73.37
08 14 16 00-0694	EA		2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	545.44	73.37
08 14 16 00-0695	EA		2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	547.26	73.37
08 14 16 00-0696	EA		3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	555.46	76.56
08 14 16 00-0697	EA		3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	599.66	76.56
08 14 16 00-0698	EA		3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	691.82	79.75
08 14 16 00-0699	EA		3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	747.87	79.75
08 14 16 00-0700	EA		4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	803.92	79.75
08 14 16 00-0701	EA		2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	557.93	70.18
08 14 16 00-0702	EA		2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	557.93	70.18
08 14 16 00-0703	EA		2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	564.31	73.37
08 14 16 00-0704	EA		2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	568.63	73.37
08 14 16 00-0705	EA		2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	570.55	73.37
08 14 16 00-0706	EA		3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	578.87	76.56
08 14 16 00-0707	EA		3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	625.65	76.56
08 14 16 00-0708	EA		3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	722.81	79.75
08 14 16 00-0709	EA		3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	782.62	79.75
08 14 16 00-0710	EA		4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	841.40	79.75



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0711	EA			2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	641.43	70.18
08 14 16 00-0712	EA			2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	641.43	70.18
08 14 16 00-0713	EA			2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	647.81	73.37
08 14 16 00-0714	EA			2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	652.99	73.37
08 14 16 00-0715	EA			2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	655.31	73.37
08 14 16 00-0716	EA			3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	664.02	76.56
08 14 16 00-0717	EA			3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	720.14	76.56
08 14 16 00-0718	EA			3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	835.44	79.75
08 14 16 00-0719	EA			3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	906.65	79.75
08 14 16 00-0720	EA			4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	977.78	79.75
08 14 16 00-0721 1-3/8" Thick, Wood French Doors (08 14 16)						
08 14 16 00-0722	EA			2'-0" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door.....	315.10	67.00
08 14 16 00-0723	EA			2'-6" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door.....	336.78	70.18
08 14 16 00-0724	EA			3'-0" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door.....	364.85	76.56
08 14 16 00-0725	EA			3'-6" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door.....	409.47	79.75
08 14 16 00-0726 1-3/4" Thick, Particleboard Core (PC), Wood Dutch Doors (08 14 16)						
08 14 16 00-0727 Birch Faced Dutch Door With Single Shelf (08 14 16 00-0726)						
08 14 16 00-0728	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	398.15	73.37
08 14 16 00-0729	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	410.18	73.37
08 14 16 00-0730	EA			2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	415.46	73.37
08 14 16 00-0731	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	435.30	76.56
08 14 16 00-0732	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	466.42	76.56
08 14 16 00-0733	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	526.42	79.75
08 14 16 00-0734	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	540.45	79.75
08 14 16 00-0735	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf.....	568.52	79.75
08 14 16 00-0736 Birch Faced Dutch Door With Double Shelf (08 14 16 00-0726)						
08 14 16 00-0737	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	459.72	73.37
08 14 16 00-0738	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	475.83	73.37
08 14 16 00-0739	EA			2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	481.12	73.37
08 14 16 00-0740	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	509.19	76.56
08 14 16 00-0741	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	548.53	76.56
08 14 16 00-0742	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	612.62	79.75
08 14 16 00-0743	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	626.65	79.75
08 14 16 00-0744	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf.....	654.71	79.75
08 14 16 00-0745 Oak Faced Dutch Door With Single Shelf (08 14 16 00-0726)						
08 14 16 00-0746	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf.....	592.15	73.37
08 14 16 00-0747	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf.....	600.20	73.37
08 14 16 00-0748	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf.....	618.37	76.56
08 14 16 00-0749	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf.....	669.56	76.56
08 14 16 00-0750	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf.....	790.74	79.75
08 14 16 00-0751 Oak Faced Dutch Door With Double Shelf (08 14 16 00-0726)						
08 14 16 00-0752	EA			2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf.....	653.72	73.37
08 14 16 00-0753	EA			2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf.....	665.86	73.37
08 14 16 00-0754	EA			3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf.....	692.25	76.56
08 14 16 00-0755	EA			3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf.....	751.66	76.56
08 14 16 00-0756	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf.....	876.93	79.75
08 14 16 00-0757 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)						
08 14 16 00-0758	EA			Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	74.13	
				Note: Includes (2) coats any standard manufacturer color on six sides.		
				For Custom Color To Match Non-Standard Manufacturer Finish, Add	24.69	
08 14 16 00-0759	EA			Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	111.20	
				Note: Includes (3) coats any standard manufacturer color on six sides.		
				For Custom Color To Match Non-Standard Manufacturer Finish, Add	24.69	
08 14 23 Clad Wood Doors (08 14)						
08 14 23 13 Metal-Faced Wood Doors (08 14 23)						
				See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)						
08 14 23 13-0002	EA			2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	673.20	156.96
08 14 23 13-0003	EA			2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	722.06	172.27
08 14 23 13-0004	EA			2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	778.77	190.14
08 14 23 13-0005	EA			3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	812.38	196.52
08 14 23 13-0006	EA			3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	872.76	216.29
08 14 23 13-0007	EA			3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door.....	939.17	223.32

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)

08 14 23 16-0001		1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors		(08 14 23 16)	
Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.					
08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	311.72		70.18
		For Structural Composite Lumber Core (SCLC), Add	77.11		
		For 5 Ply Construction, Add	6.00		
		For >50 To 100, Deduct	-19.10		
		For >100, Deduct	-26.89		
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	311.72		70.18
		For Structural Composite Lumber Core (SCLC), Add	77.11		
		For 5 Ply Construction, Add	6.00		
		For >50 To 100, Deduct	-19.10		
		For >100, Deduct	-26.89		
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	327.53		73.37
		For Structural Composite Lumber Core (SCLC), Add	81.35		
		For 5 Ply Construction, Add	6.33		
		For >50 To 100, Deduct	-20.05		
		For >100, Deduct	-28.23		
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	336.95		73.37
		For Structural Composite Lumber Core (SCLC), Add	85.59		
		For 5 Ply Construction, Add	6.66		
		For >50 To 100, Deduct	-20.52		
		For >100, Deduct	-28.94		
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	341.71		73.37
		For Structural Composite Lumber Core (SCLC), Add	87.73		
		For 5 Ply Construction, Add	6.82		
		For >50 To 100, Deduct	-20.75		
		For >100, Deduct	-29.30		
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	352.82		76.56
		For Structural Composite Lumber Core (SCLC), Add	89.86		
		For 5 Ply Construction, Add	6.99		
		For >50 To 100, Deduct	-21.47		
		For >100, Deduct	-30.29		
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	374.78		76.56
		For Structural Composite Lumber Core (SCLC), Add	99.74		
		For 5 Ply Construction, Add	7.76		
		For >50 To 100, Deduct	-22.57		
		For >100, Deduct	-31.94		
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	395.34		79.75
		For Structural Composite Lumber Core (SCLC), Add	106.12		
		For 5 Ply Construction, Add	8.25		
		For >50 To 100, Deduct	-23.75		
		For >100, Deduct	-33.64		
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	321.69		70.18
		For Structural Composite Lumber Core (SCLC), Add	81.59		
		For 5 Ply Construction, Add	6.35		
		For >50 To 100, Deduct	-19.59		
		For >100, Deduct	-27.64		
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	321.69		70.18
		For Structural Composite Lumber Core (SCLC), Add	81.59		
		For 5 Ply Construction, Add	6.35		
		For >50 To 100, Deduct	-19.59		
		For >100, Deduct	-27.64		
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	338.05		73.37
		For Structural Composite Lumber Core (SCLC), Add	86.09		
		For 5 Ply Construction, Add	6.70		
		For >50 To 100, Deduct	-20.57		
		For >100, Deduct	-29.02		
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	348.02		73.37
		For Structural Composite Lumber Core (SCLC), Add	90.57		
		For 5 Ply Construction, Add	7.04		
		For >50 To 100, Deduct	-21.07		
		For >100, Deduct	-29.77		
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	353.05		73.37
		For Structural Composite Lumber Core (SCLC), Add	92.84		
		For 5 Ply Construction, Add	7.22		
		For >50 To 100, Deduct	-21.32		
		For >100, Deduct	-30.15		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0015	EA			3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	364.44	76.56
				For Structural Composite Lumber Core (SCLC), Add	95.09	
				For 5 Ply Construction, Add	7.40	
				For >50 To 100, Deduct	-22.05	
				For >100, Deduct	-31.16	
08 14 23 16-0016	EA			3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	387.67	76.56
				For Structural Composite Lumber Core (SCLC), Add	105.54	
				For 5 Ply Construction, Add	8.21	
				For >50 To 100, Deduct	-23.21	
				For >100, Deduct	-32.90	
08 14 23 16-0017	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	409.06	79.75
				For Structural Composite Lumber Core (SCLC), Add	112.30	
				For 5 Ply Construction, Add	8.73	
				For >50 To 100, Deduct	-24.44	
				For >100, Deduct	-34.67	
08 14 23 16-0018	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	357.05	70.18
				For Structural Composite Lumber Core (SCLC), Add	97.51	
				For 5 Ply Construction, Add	7.58	
				For >50 To 100, Deduct	-21.36	
				For >100, Deduct	-30.29	
08 14 23 16-0019	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	357.05	70.18
				For Structural Composite Lumber Core (SCLC), Add	97.51	
				For 5 Ply Construction, Add	7.58	
				For >50 To 100, Deduct	-21.36	
				For >100, Deduct	-30.29	
08 14 23 16-0020	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	375.36	73.37
				For Structural Composite Lumber Core (SCLC), Add	102.87	
				For 5 Ply Construction, Add	8.00	
				For >50 To 100, Deduct	-22.44	
				For >100, Deduct	-31.82	
08 14 23 16-0021	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	387.27	73.37
				For Structural Composite Lumber Core (SCLC), Add	108.23	
				For 5 Ply Construction, Add	8.42	
				For >50 To 100, Deduct	-23.03	
				For >100, Deduct	-32.71	
08 14 23 16-0022	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	393.28	73.37
				For Structural Composite Lumber Core (SCLC), Add	110.94	
				For 5 Ply Construction, Add	8.63	
				For >50 To 100, Deduct	-23.33	
				For >100, Deduct	-33.16	
08 14 23 16-0023	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	405.65	76.56
				For Structural Composite Lumber Core (SCLC), Add	113.63	
				For 5 Ply Construction, Add	8.84	
				For >50 To 100, Deduct	-24.11	
				For >100, Deduct	-34.25	
08 14 23 16-0024	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	433.41	76.56
				For Structural Composite Lumber Core (SCLC), Add	126.13	
				For 5 Ply Construction, Add	9.81	
				For >50 To 100, Deduct	-25.50	
				For >100, Deduct	-36.33	
08 14 23 16-0025	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	457.72	79.75
				For Structural Composite Lumber Core (SCLC), Add	134.19	
				For 5 Ply Construction, Add	10.44	
				For >50 To 100, Deduct	-26.87	
				For >100, Deduct	-38.32	
08 14 23 16-0026				1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors <small>(08 14 23 16)</small>		
				Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA			2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	432.30	70.18
				For 5 Ply Construction, Add	10.22	
				For Stave Lumber Core (SLC), Add	218.95	
				For Structural Composite Lumber Core (SCLC), Add	131.37	
				For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.03	
				For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	157.64	
				For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	218.95	
				For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	350.32	
				For >50 To 100, Deduct	-25.12	
				For >100, Deduct	-35.93	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		432.29	70.18
		<i>For 5 Ply Construction, Add</i>		10.22	
		<i>For Stave Lumber Core (SLC), Add</i>		218.94	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		131.36	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>		35.03	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>		157.64	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>		218.94	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>		350.30	
		<i>For >50 To 100, Deduct</i>		-25.12	
		<i>For >100, Deduct</i>		-35.93	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		447.80	73.37
		<i>For 5 Ply Construction, Add</i>		10.54	
		<i>For Stave Lumber Core (SLC), Add</i>		225.79	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		135.47	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>		36.13	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>		162.57	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>		225.79	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>		361.26	
		<i>For >50 To 100, Deduct</i>		-26.06	
		<i>For >100, Deduct</i>		-37.25	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		447.80	73.37
		<i>For 5 Ply Construction, Add</i>		10.54	
		<i>For Stave Lumber Core (SLC), Add</i>		225.79	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		135.47	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>		36.13	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>		162.57	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>		225.79	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>		361.26	
		<i>For >50 To 100, Deduct</i>		-26.06	
		<i>For >100, Deduct</i>		-37.25	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		465.88	73.37
		<i>For 5 Ply Construction, Add</i>		11.17	
		<i>For Stave Lumber Core (SLC), Add</i>		239.35	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		143.61	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>		38.30	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>		172.33	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>		239.35	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>		382.96	
		<i>For >50 To 100, Deduct</i>		-26.96	
		<i>For >100, Deduct</i>		-38.61	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		490.34	76.56
		<i>For 5 Ply Construction, Add</i>		11.80	
		<i>For Stave Lumber Core (SLC), Add</i>		252.91	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		151.74	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>		40.47	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>		182.09	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>		252.91	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>		404.65	
		<i>For >50 To 100, Deduct</i>		-28.35	
		<i>For >100, Deduct</i>		-40.60	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		508.82	76.56
		<i>For 5 Ply Construction, Add</i>		12.45	
		<i>For Stave Lumber Core (SLC), Add</i>		266.77	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		160.06	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>		42.68	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>		192.07	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>		266.77	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>		426.83	
		<i>For >50 To 100, Deduct</i>		-29.27	
		<i>For >100, Deduct</i>		-41.99	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		524.43	79.75
		<i>For 5 Ply Construction, Add</i>		12.77	
		<i>For Stave Lumber Core (SLC), Add</i>		273.69	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		164.21	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>		43.79	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>		197.06	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>		273.69	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>		437.90	
		<i>For >50 To 100, Deduct</i>		-30.21	
		<i>For >100, Deduct</i>		-43.32	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0035 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	542.67	79.75
<i>For 5 Ply Construction, Add</i>	13.41	
<i>For Stave Lumber Core (SLC), Add</i>	287.37	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	172.42	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.98	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	206.91	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	287.37	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	459.79	
<i>For >50 To 100, Deduct</i>	-31.12	
<i>For >100, Deduct</i>	-44.69	
08 14 23 16-0036 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	591.92	86.14
<i>For 5 Ply Construction, Add</i>	14.69	
<i>For Stave Lumber Core (SLC), Add</i>	314.74	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	188.84	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	50.36	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	226.61	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	314.74	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	503.58	
<i>For >50 To 100, Deduct</i>	-33.90	
<i>For >100, Deduct</i>	-48.70	
08 14 23 16-0037 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	449.29	70.18
<i>For 5 Ply Construction, Add</i>	10.81	
<i>For Stave Lumber Core (SLC), Add</i>	231.69	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	139.01	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.07	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.82	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	231.69	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	370.70	
<i>For >50 To 100, Deduct</i>	-25.97	
<i>For >100, Deduct</i>	-37.21	
08 14 23 16-0038 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	449.28	70.18
<i>For 5 Ply Construction, Add</i>	10.81	
<i>For Stave Lumber Core (SLC), Add</i>	231.68	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	139.01	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.07	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.81	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	231.68	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	370.69	
<i>For >50 To 100, Deduct</i>	-25.97	
<i>For >100, Deduct</i>	-37.21	
08 14 23 16-0039 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	465.33	73.37
<i>For 5 Ply Construction, Add</i>	11.15	
<i>For Stave Lumber Core (SLC), Add</i>	238.94	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.36	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.23	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.03	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.94	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	382.30	
<i>For >50 To 100, Deduct</i>	-26.94	
<i>For >100, Deduct</i>	-38.57	
08 14 23 16-0040 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	465.33	73.37
<i>For 5 Ply Construction, Add</i>	11.15	
<i>For Stave Lumber Core (SLC), Add</i>	238.94	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.36	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.23	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.03	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.94	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	382.30	
<i>For >50 To 100, Deduct</i>	-26.94	
<i>For >100, Deduct</i>	-38.57	
08 14 23 16-0041 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	484.46	73.37
<i>For 5 Ply Construction, Add</i>	11.82	
<i>For Stave Lumber Core (SLC), Add</i>	253.28	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	151.97	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.53	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	182.36	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	253.28	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	405.25	
<i>For >50 To 100, Deduct</i>	-27.89	
<i>For >100, Deduct</i>	-40.00	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	509.97	76.56
		<i>For 5 Ply Construction, Add</i>	12.49	
		<i>For Stave Lumber Core (SLC), Add</i>	267.63	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.58	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.82	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.69	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	267.63	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	428.21	
		<i>For >50 To 100, Deduct</i>	-29.33	
		<i>For >100, Deduct</i>	-42.08	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	529.51	76.56
		<i>For 5 Ply Construction, Add</i>	13.17	
		<i>For Stave Lumber Core (SLC), Add</i>	282.29	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	169.37	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	45.17	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	203.25	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	282.29	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	451.66	
		<i>For >50 To 100, Deduct</i>	-30.30	
		<i>For >100, Deduct</i>	-43.54	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	545.66	79.75
		<i>For 5 Ply Construction, Add</i>	13.52	
		<i>For Stave Lumber Core (SLC), Add</i>	289.61	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.77	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.34	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	208.52	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	289.61	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	463.38	
		<i>For >50 To 100, Deduct</i>	-31.27	
		<i>For >100, Deduct</i>	-44.91	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	564.97	79.75
		<i>For 5 Ply Construction, Add</i>	14.19	
		<i>For Stave Lumber Core (SLC), Add</i>	304.10	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	182.46	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	48.66	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.95	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	304.10	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	486.55	
		<i>For >50 To 100, Deduct</i>	-32.24	
		<i>For >100, Deduct</i>	-46.36	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	616.34	86.14
		<i>For 5 Ply Construction, Add</i>	15.54	
		<i>For Stave Lumber Core (SLC), Add</i>	333.05	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	199.83	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.29	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	239.80	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	333.05	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	532.88	
		<i>For >50 To 100, Deduct</i>	-35.12	
		<i>For >100, Deduct</i>	-50.53	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	509.54	70.18
		<i>For 5 Ply Construction, Add</i>	12.92	
		<i>For Stave Lumber Core (SLC), Add</i>	276.88	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.13	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.30	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	199.35	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	276.88	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	443.00	
		<i>For >50 To 100, Deduct</i>	-28.99	
		<i>For >100, Deduct</i>	-41.72	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	509.52	70.18
		<i>For 5 Ply Construction, Add</i>	12.92	
		<i>For Stave Lumber Core (SLC), Add</i>	276.86	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.12	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.30	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	199.34	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	276.86	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	442.98	
		<i>For >50 To 100, Deduct</i>	-28.99	
		<i>For >100, Deduct</i>	-41.72	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0049 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood		
Door.....	527.45	73.37
For 5 Ply Construction, Add	13.32	
For Stave Lumber Core (SLC), Add	285.53	
For Structural Composite Lumber Core (SCLC), Add	171.32	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.68	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.58	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.84	
For >50 To 100, Deduct	-30.04	
For >100, Deduct	-43.23	
08 14 23 16-0050 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood		
Door.....	527.45	73.37
For 5 Ply Construction, Add	13.32	
For Stave Lumber Core (SLC), Add	285.53	
For Structural Composite Lumber Core (SCLC), Add	171.32	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.68	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.58	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.53	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.84	
For >50 To 100, Deduct	-30.04	
For >100, Deduct	-43.23	
08 14 23 16-0051 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door		
Door.....	550.31	73.37
For 5 Ply Construction, Add	14.12	
For Stave Lumber Core (SLC), Add	302.67	
For Structural Composite Lumber Core (SCLC), Add	181.60	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.43	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	217.92	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	302.67	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	484.27	
For >50 To 100, Deduct	-31.18	
For >100, Deduct	-44.94	
08 14 23 16-0052 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood		
Door.....	579.56	76.56
For 5 Ply Construction, Add	14.93	
For Stave Lumber Core (SLC), Add	319.82	
For Structural Composite Lumber Core (SCLC), Add	191.89	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.17	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	230.27	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	319.82	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	511.72	
For >50 To 100, Deduct	-32.81	
For >100, Deduct	-47.30	
08 14 23 16-0053 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood		
Door.....	602.91	76.56
For 5 Ply Construction, Add	15.74	
For Stave Lumber Core (SLC), Add	337.34	
For Structural Composite Lumber Core (SCLC), Add	202.40	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	53.97	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	242.88	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	337.34	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	539.74	
For >50 To 100, Deduct	-33.97	
For >100, Deduct	-49.05	
08 14 23 16-0054 EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood		
Door.....	620.96	79.75
For 5 Ply Construction, Add	16.15	
For Stave Lumber Core (SLC), Add	346.09	
For Structural Composite Lumber Core (SCLC), Add	207.65	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.37	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.18	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	346.09	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.74	
For >50 To 100, Deduct	-35.04	
For >100, Deduct	-50.56	
08 14 23 16-0055 EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood		
Door.....	644.02	79.75
For 5 Ply Construction, Add	16.96	
For Stave Lumber Core (SLC), Add	363.38	
For Structural Composite Lumber Core (SCLC), Add	218.03	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.14	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	261.64	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	363.38	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	581.41	
For >50 To 100, Deduct	-36.19	
For >100, Deduct	-52.29	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	702.94	86.14
		<i>For 5 Ply Construction, Add</i>	18.57	
		<i>For Stave Lumber Core (SLC), Add</i>	398.00	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	238.80	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	63.68	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	286.56	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	398.00	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	636.80	
		<i>For >50 To 100, Deduct</i>	-39.45	
		<i>For >100, Deduct</i>	-57.03	
08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)				
08 14 23 19-0001		1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)		
08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	232.48	70.18
		<i>For >50 To 100, Deduct</i>	-15.13	
		<i>For >100, Deduct</i>	-20.95	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	232.48	70.18
		<i>For >50 To 100, Deduct</i>	-15.13	
		<i>For >100, Deduct</i>	-20.95	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	245.57	73.37
		<i>For >50 To 100, Deduct</i>	-15.95	
		<i>For >100, Deduct</i>	-22.09	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	248.77	73.37
		<i>For >50 To 100, Deduct</i>	-16.11	
		<i>For >100, Deduct</i>	-22.33	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.95	73.37
		<i>For >50 To 100, Deduct</i>	-16.27	
		<i>For >100, Deduct</i>	-22.57	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	261.53	76.56
		<i>For >50 To 100, Deduct</i>	-16.90	
		<i>For >100, Deduct</i>	-23.44	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	273.43	76.56
		<i>For >50 To 100, Deduct</i>	-17.50	
		<i>For >100, Deduct</i>	-24.34	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	287.52	79.75
		<i>For >50 To 100, Deduct</i>	-18.36	
		<i>For >100, Deduct</i>	-25.55	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	237.83	70.18
		<i>For >50 To 100, Deduct</i>	-15.40	
		<i>For >100, Deduct</i>	-21.35	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	237.83	70.18
		<i>For >50 To 100, Deduct</i>	-15.40	
		<i>For >100, Deduct</i>	-21.35	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	251.33	73.37
		<i>For >50 To 100, Deduct</i>	-16.24	
		<i>For >100, Deduct</i>	-22.52	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	254.70	73.37
		<i>For >50 To 100, Deduct</i>	-16.40	
		<i>For >100, Deduct</i>	-22.77	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	258.07	73.37
		<i>For >50 To 100, Deduct</i>	-16.57	
		<i>For >100, Deduct</i>	-23.02	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	267.82	76.56
		<i>For >50 To 100, Deduct</i>	-17.22	
		<i>For >100, Deduct</i>	-23.91	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	280.42	76.56
		<i>For >50 To 100, Deduct</i>	-17.85	
		<i>For >100, Deduct</i>	-24.86	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	294.95	79.75
		<i>For >50 To 100, Deduct</i>	-18.74	
		<i>For >100, Deduct</i>	-26.11	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	256.85	70.18
		<i>For >50 To 100, Deduct</i>	-16.35	
		<i>For >100, Deduct</i>	-22.77	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	256.85	70.18
		<i>For >50 To 100, Deduct</i>	-16.35	
		<i>For >100, Deduct</i>	-22.77	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	271.73	73.37
		<i>For >50 To 100, Deduct</i>	-17.26	
		<i>For >100, Deduct</i>	-24.05	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	275.75	73.37
		<i>For >50 To 100, Deduct</i>	-17.46	
		<i>For >100, Deduct</i>	-24.35	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	279.79	73.37
		<i>For >50 To 100, Deduct</i>	-17.66	
		<i>For >100, Deduct</i>	-24.65	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	290.19	76.56
		<i>For >50 To 100, Deduct</i>	-18.34	
		<i>For >100, Deduct</i>	-25.59	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0024 EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	305.24 -19.09 -26.72	76.56
08 14 23 19-0025 EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	321.36 -20.06 -28.09	79.75
08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
08 14 23 19-0027 EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	255.14 -16.27 -22.64	70.18
08 14 23 19-0028 EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	255.14 -16.27 -22.64	70.18
08 14 23 19-0029 EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	264.69 -16.90 -23.52	73.37
08 14 23 19-0030 EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.09 -17.22 -24.00	73.37
08 14 23 19-0031 EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	274.29 -17.38 -24.24	73.37
08 14 23 19-0032 EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	283.81 -18.02 -25.11	76.56
08 14 23 19-0033 EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	291.10 -18.38 -25.66	76.56
08 14 23 19-0034 EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	321.19 -20.05 -28.08	79.75
08 14 23 19-0035 EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	329.27 -20.45 -28.68	79.75
08 14 23 19-0036 EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	345.46 -21.26 -29.90	79.75
08 14 23 19-0037 EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	261.81 -16.60 -23.15	70.18
08 14 23 19-0038 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	261.81 -16.60 -23.15	70.18
08 14 23 19-0039 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.56 -17.25 -24.04	73.37
08 14 23 19-0040 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	278.33 -17.59 -24.54	73.37
08 14 23 19-0041 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	281.70 -17.75 -24.80	73.37
08 14 23 19-0042 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	291.43 -18.40 -25.69	76.56
08 14 23 19-0043 EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	299.14 -18.79 -26.26	76.56
08 14 23 19-0044 EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	330.61 -20.52 -28.78	79.75
08 14 23 19-0045 EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	339.16 -20.95 -29.42	79.75
08 14 23 19-0046 EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	356.27 -21.80 -30.71	79.75
08 14 23 19-0047 EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	285.48 -17.78 -24.92	70.18
08 14 23 19-0048 EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	285.48 -17.78 -24.92	70.18
08 14 23 19-0049 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	285.90 -18.46 -25.86	73.37
08 14 23 19-0050 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	303.99 -18.87 -26.47	73.37

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	308.00 -19.07 -26.77	73.37
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	318.40 -19.75 -27.71	76.56
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	327.60 -20.21 -28.40	76.56
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	363.98 -22.19 -31.29	79.75
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	374.19 -22.70 -32.05	79.75
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	394.65 -23.72 -33.59	79.75
08 14 23 19-0057			1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.21 -17.07 -23.85	70.18
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	271.21 -17.07 -23.85	70.18
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	285.19 -17.93 -25.06	73.37
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	292.77 -18.31 -25.63	73.37
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	294.16 -18.38 -25.73	73.37
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	301.96 -18.93 -26.48	76.56
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	318.37 -19.75 -27.71	76.56
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	354.69 -21.72 -30.59	79.75
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	278.84 -17.45 -24.42	70.18
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	278.84 -17.45 -24.42	70.18
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	293.25 -18.33 -25.66	73.37
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	301.26 -18.73 -26.26	73.37
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	302.75 -18.81 -26.38	73.37
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	310.62 -19.36 -27.12	76.56
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	328.00 -20.23 -28.43	76.56



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23	19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	366.05	79.75
			<i>For >50 To 100, Deduct</i>	-22.29	
			<i>For >100, Deduct</i>	-31.44	
08 14 23	19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.84	70.18
			<i>For >50 To 100, Deduct</i>	-18.80	
			<i>For >100, Deduct</i>	-26.45	
08 14 23	19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.84	70.18
			<i>For >50 To 100, Deduct</i>	-18.80	
			<i>For >100, Deduct</i>	-26.45	
08 14 23	19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	321.82	73.37
			<i>For >50 To 100, Deduct</i>	-19.76	
			<i>For >100, Deduct</i>	-27.81	
08 14 23	19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	331.39	73.37
			<i>For >50 To 100, Deduct</i>	-20.24	
			<i>For >100, Deduct</i>	-28.52	
08 14 23	19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	333.16	73.37
			<i>For >50 To 100, Deduct</i>	-20.33	
			<i>For >100, Deduct</i>	-28.66	
08 14 23	19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.33	76.56
			<i>For >50 To 100, Deduct</i>	-20.89	
			<i>For >100, Deduct</i>	-29.43	
08 14 23	19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	362.10	76.56
			<i>For >50 To 100, Deduct</i>	-21.93	
			<i>For >100, Deduct</i>	-30.99	
08 14 23	19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	406.34	79.75
			<i>For >50 To 100, Deduct</i>	-24.30	
			<i>For >100, Deduct</i>	-34.46	
08 14 23	19-0082		1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23	19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	304.78	70.18
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.78	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	197.29	
			<i>For >50 To 100, Deduct</i>	-18.75	
			<i>For >100, Deduct</i>	-26.37	
08 14 23	19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	304.78	70.18
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.78	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	197.29	
			<i>For >50 To 100, Deduct</i>	-18.75	
			<i>For >100, Deduct</i>	-26.37	
08 14 23	19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	320.68	73.37
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.87	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.92	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.45	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	208.72	
			<i>For >50 To 100, Deduct</i>	-19.70	
			<i>For >100, Deduct</i>	-27.72	
08 14 23	19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.18	73.37
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.01	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	99.05	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	137.57	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	220.12	
			<i>For >50 To 100, Deduct</i>	-20.18	
			<i>For >100, Deduct</i>	-28.43	
08 14 23	19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	331.95	73.37
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.22	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	100.01	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.90	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	222.24	
			<i>For >50 To 100, Deduct</i>	-20.27	
			<i>For >100, Deduct</i>	-28.57	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0088	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.12	76.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.44	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	100.97	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	140.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	224.39	
			<i>For >50 To 100, Deduct</i>	-20.83	
			<i>For >100, Deduct</i>	-29.34	
08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	360.73	76.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.91	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	112.10	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.70	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	249.12	
			<i>For >50 To 100, Deduct</i>	-21.86	
			<i>For >100, Deduct</i>	-30.88	
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	404.75	79.75
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.43	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	132.43	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	183.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	294.29	
			<i>For >50 To 100, Deduct</i>	-24.23	
			<i>For >100, Deduct</i>	-34.34	
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	417.03	79.75
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.90	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.06	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	193.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	309.02	
			<i>For >50 To 100, Deduct</i>	-24.84	
			<i>For >100, Deduct</i>	-35.27	
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	441.53	79.75
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	33.84	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	152.29	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	211.52	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	338.42	
			<i>For >50 To 100, Deduct</i>	-26.06	
			<i>For >100, Deduct</i>	-37.10	
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.35	70.18
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.88	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.95	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.49	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	208.78	
			<i>For >50 To 100, Deduct</i>	-19.23	
			<i>For >100, Deduct</i>	-27.09	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.35	70.18
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.88	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.95	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.49	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	208.78	
			<i>For >50 To 100, Deduct</i>	-19.23	
			<i>For >100, Deduct</i>	-27.09	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	330.81	73.37
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	99.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.05	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	220.87	
			<i>For >50 To 100, Deduct</i>	-20.21	
			<i>For >100, Deduct</i>	-28.48	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.87	73.37
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.29	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.82	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.94	
			<i>For >50 To 100, Deduct</i>	-20.71	
			<i>For >100, Deduct</i>	-29.23	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	342.73	73.37
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.52	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	105.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.99	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	235.18	
			<i>For >50 To 100, Deduct</i>	-20.81	
			<i>For >100, Deduct</i>	-29.37	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0098 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.01	76.56
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.75	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.86	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.41	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	237.46	
For >50 To 100, Deduct	-21.38	
For >100, Deduct	-30.15	
08 14 23 19-0099 EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	372.81	76.56
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.36	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.63	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.76	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	263.62	
For >50 To 100, Deduct	-22.47	
For >100, Deduct	-31.79	
08 14 23 19-0100 EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	419.02	79.75
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.14	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	140.14	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	194.63	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	311.41	
For >50 To 100, Deduct	-24.94	
For >100, Deduct	-35.41	
08 14 23 19-0101 EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	432.00	79.75
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.70	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	147.14	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	204.37	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	326.99	
For >50 To 100, Deduct	-25.59	
For >100, Deduct	-36.39	
08 14 23 19-0102 EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	457.95	79.75
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.81	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	161.16	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	223.83	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	358.13	
For >50 To 100, Deduct	-26.89	
For >100, Deduct	-38.33	
08 14 23 19-0103 EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	348.28	70.18
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.95	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.27	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.93	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.49	
For >50 To 100, Deduct	-20.92	
For >100, Deduct	-29.63	
08 14 23 19-0104 EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	348.28	70.18
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.95	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.27	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.93	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.49	
For >50 To 100, Deduct	-20.92	
For >100, Deduct	-29.63	
08 14 23 19-0105 EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	366.71	73.37
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.40	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.78	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.97	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	263.95	
For >50 To 100, Deduct	-22.00	
For >100, Deduct	-31.17	
08 14 23 19-0106 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	378.73	73.37
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.84	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	125.27	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	173.99	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	278.38	
For >50 To 100, Deduct	-22.61	
For >100, Deduct	-32.07	
08 14 23 19-0107 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	380.95	73.37
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.10	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.47	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	175.65	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	281.04	
For >50 To 100, Deduct	-22.72	
For >100, Deduct	-32.24	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	389.60	76.56
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.38	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.69	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	177.35	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	283.76	
		<i>For >50 To 100, Deduct</i>	-23.31	
		<i>For >100, Deduct</i>	-33.05	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	415.65	76.56
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.50	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.76	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.89	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	315.02	
		<i>For >50 To 100, Deduct</i>	-24.61	
		<i>For >100, Deduct</i>	-35.00	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	469.61	79.75
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.21	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	167.45	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	232.58	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	372.12	
		<i>For >50 To 100, Deduct</i>	-27.47	
		<i>For >100, Deduct</i>	-39.21	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	485.15	79.75
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.08	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.85	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	244.23	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	390.77	
		<i>For >50 To 100, Deduct</i>	-28.25	
		<i>For >100, Deduct</i>	-40.37	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	516.14	79.75
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.80	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.58	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	267.47	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	427.96	
		<i>For >50 To 100, Deduct</i>	-29.79	
		<i>For >100, Deduct</i>	-42.70	
08 14 66		Wood Screen Doors <small>(08 14)</small>		
08 14 66 00-0001		Wood Screen Storm Door, Residential Grade <small>(08 14 66)</small> Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	504.78	183.76
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	533.13	204.18
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	504.78	183.76
08 14 66 00-0005	EA	3' x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	533.13	204.18
08 14 73		Sliding Wood Doors <small>(08 14)</small>		
08 14 73 00-0001		Sliding Pocket Door <small>(08 14 73)</small> Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002		Birch Faced Pocket Door <small>(08 14 73 00-0001)</small> Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003		1-3/8" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0002)</small> See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0004		6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0003)</small>		
08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	498.39	44.66
		<i>For Oak, Add</i>	112.91	
		<i>For Ash/Hickory, Add</i>	164.45	
		<i>For Walnut, Add</i>	239.72	
		<i>For Cherry, Add</i>	389.85	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	514.68	47.85
		<i>For Oak, Add</i>	115.64	
		<i>For Ash/Hickory, Add</i>	168.44	
		<i>For Walnut, Add</i>	245.53	
		<i>For Cherry, Add</i>	399.31	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	533.45	51.04
		<i>For Oak, Add</i>	119.07	
		<i>For Ash/Hickory, Add</i>	173.42	
		<i>For Walnut, Add</i>	252.80	
		<i>For Cherry, Add</i>	411.12	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	547.28	54.23
		<i>For Oak, Add</i>	121.12	
		<i>For Ash/Hickory, Add</i>	176.41	
		<i>For Walnut, Add</i>	257.16	
		<i>For Cherry, Add</i>	418.21	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0009	EA		2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	566.07 124.54 181.39 264.42 430.02	57.42
08 14 73 00-0010	EA		3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	582.36 127.28 185.38 270.23 439.48	60.62
08 14 73 00-0011	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	977.68 225.81 328.90 479.45 779.72	79.75
08 14 73 00-0012	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,035.06 238.13 346.85 505.60 822.25	86.14
08 14 73 00-0013	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,107.34 254.55 370.76 540.47 878.95	92.52
08 14 73 00-0014			7' High, 1-3/8" Thick Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0015	EA		2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	585.17 116.03 116.03 190.91 358.51	44.66
08 14 73 00-0016	EA		2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	613.85 121.25 121.25 199.50 374.64	47.85
08 14 73 00-0017	EA		2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	635.10 124.73 124.73 205.22 385.40	51.04
08 14 73 00-0018	EA		2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	653.89 127.64 127.64 210.00 394.36	54.23
08 14 73 00-0019	EA		2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	670.20 129.95 129.95 213.81 401.53	57.42
08 14 73 00-0020	EA		3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	691.45 133.44 133.44 219.54 412.28	60.62
08 14 73 00-0021	EA		4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,151.23 232.06 232.06 381.81 717.01	79.75
08 14 73 00-0022	EA		5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,238.36 249.47 249.47 410.45 770.79	86.14
08 14 73 00-0023	EA		6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,325.52 266.87 266.87 439.08 824.57	92.52
08 14 73 00-0024			1-3/4" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002) See CSI section 08 14 73 00-0055 for all jamba and track hardware.		
08 14 73 00-0025			6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)		
08 14 73 00-0026	EA		2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	733.93 150.84 150.84 248.18 466.06	44.66

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0027	EA		2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	770.05	47.85
			<i>For Oak, Add</i>	157.80	
			<i>For Ash/Hickory, Add</i>	157.80	
			<i>For Walnut, Add</i>	259.63	
			<i>For Cherry, Add</i>	487.57	
08 14 73 00-0028	EA		2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	791.30	51.04
			<i>For Oak, Add</i>	161.28	
			<i>For Ash/Hickory, Add</i>	161.28	
			<i>For Walnut, Add</i>	265.36	
			<i>For Cherry, Add</i>	498.33	
08 14 73 00-0029	EA		2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	815.04	54.23
			<i>For Oak, Add</i>	165.34	
			<i>For Ash/Hickory, Add</i>	165.34	
			<i>For Walnut, Add</i>	272.04	
			<i>For Cherry, Add</i>	510.87	
08 14 73 00-0030	EA		2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	836.32	57.42
			<i>For Oak, Add</i>	168.83	
			<i>For Ash/Hickory, Add</i>	168.83	
			<i>For Walnut, Add</i>	277.77	
			<i>For Cherry, Add</i>	521.63	
08 14 73 00-0031	EA		3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	857.56	60.62
			<i>For Oak, Add</i>	172.31	
			<i>For Ash/Hickory, Add</i>	172.31	
			<i>For Walnut, Add</i>	283.49	
			<i>For Cherry, Add</i>	532.38	
08 14 73 00-0032	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,448.75	79.75
			<i>For Oak, Add</i>	301.68	
			<i>For Ash/Hickory, Add</i>	301.68	
			<i>For Walnut, Add</i>	496.36	
			<i>For Cherry, Add</i>	932.12	
08 14 73 00-0033	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,550.75	86.14
			<i>For Oak, Add</i>	322.57	
			<i>For Ash/Hickory, Add</i>	322.57	
			<i>For Walnut, Add</i>	530.72	
			<i>For Cherry, Add</i>	996.65	
08 14 73 00-0034	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,657.74	92.52
			<i>For Oak, Add</i>	344.61	
			<i>For Ash/Hickory, Add</i>	344.61	
			<i>For Walnut, Add</i>	566.99	
			<i>For Cherry, Add</i>	1,064.76	
08 14 73 00-0035			7' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)		
08 14 73 00-0036	EA		2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	783.51	44.66
			<i>For Oak, Add</i>	162.44	
			<i>For Ash/Hickory, Add</i>	162.44	
			<i>For Walnut, Add</i>	267.27	
			<i>For Cherry, Add</i>	501.91	
08 14 73 00-0037	EA		2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	824.59	47.85
			<i>For Oak, Add</i>	170.56	
			<i>For Ash/Hickory, Add</i>	170.56	
			<i>For Walnut, Add</i>	280.63	
			<i>For Cherry, Add</i>	527.00	
08 14 73 00-0038	EA		2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	848.32	51.04
			<i>For Oak, Add</i>	174.63	
			<i>For Ash/Hickory, Add</i>	174.63	
			<i>For Walnut, Add</i>	287.31	
			<i>For Cherry, Add</i>	539.55	
08 14 73 00-0039	EA		2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	872.06	54.23
			<i>For Oak, Add</i>	178.69	
			<i>For Ash/Hickory, Add</i>	178.69	
			<i>For Walnut, Add</i>	293.99	
			<i>For Cherry, Add</i>	552.10	
08 14 73 00-0040	EA		2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	893.34	57.42
			<i>For Oak, Add</i>	182.17	
			<i>For Ash/Hickory, Add</i>	182.17	
			<i>For Walnut, Add</i>	299.72	
			<i>For Cherry, Add</i>	562.86	
08 14 73 00-0041	EA		3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	917.07	60.62
			<i>For Oak, Add</i>	186.23	
			<i>For Ash/Hickory, Add</i>	186.23	
			<i>For Walnut, Add</i>	306.41	
			<i>For Cherry, Add</i>	575.41	
08 14 73 00-0042	EA		4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,547.92	79.75
			<i>For Oak, Add</i>	324.89	
			<i>For Ash/Hickory, Add</i>	324.89	
			<i>For Walnut, Add</i>	534.54	
			<i>For Cherry, Add</i>	1,003.82	
08 14 73 00-0043	EA		5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,664.80	86.14
			<i>For Oak, Add</i>	349.25	
			<i>For Ash/Hickory, Add</i>	349.25	
			<i>For Walnut, Add</i>	574.63	
			<i>For Cherry, Add</i>	1,079.11	



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0044	EA		6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,776.75	92.52
			<i>For Oak, Add</i>	372.46	
			<i>For Ash/Hickory, Add</i>	372.46	
			<i>For Walnut, Add</i>	612.81	
			<i>For Cherry, Add</i>	1,150.81	
08 14 73 00-0045			8' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)		
08 14 73 00-0046	EA		2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	833.10	44.66
			<i>For Oak, Add</i>	174.05	
			<i>For Ash/Hickory, Add</i>	174.05	
			<i>For Walnut, Add</i>	286.36	
			<i>For Cherry, Add</i>	537.76	
08 14 73 00-0047	EA		2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	874.18	47.85
			<i>For Oak, Add</i>	182.17	
			<i>For Ash/Hickory, Add</i>	182.17	
			<i>For Walnut, Add</i>	299.72	
			<i>For Cherry, Add</i>	562.86	
08 14 73 00-0048	EA		2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	900.38	51.04
			<i>For Oak, Add</i>	186.81	
			<i>For Ash/Hickory, Add</i>	186.81	
			<i>For Walnut, Add</i>	307.36	
			<i>For Cherry, Add</i>	577.19	
08 14 73 00-0049	EA		2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	926.61	54.23
			<i>For Oak, Add</i>	191.45	
			<i>For Ash/Hickory, Add</i>	191.45	
			<i>For Walnut, Add</i>	315.00	
			<i>For Cherry, Add</i>	591.54	
08 14 73 00-0050	EA		2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	947.88	57.42
			<i>For Oak, Add</i>	194.93	
			<i>For Ash/Hickory, Add</i>	194.93	
			<i>For Walnut, Add</i>	320.72	
			<i>For Cherry, Add</i>	602.29	
08 14 73 00-0051	EA		3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	974.09	60.62
			<i>For Oak, Add</i>	199.57	
			<i>For Ash/Hickory, Add</i>	199.57	
			<i>For Walnut, Add</i>	328.36	
			<i>For Cherry, Add</i>	616.63	
08 14 73 00-0052	EA		4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,647.09	79.75
			<i>For Oak, Add</i>	348.09	
			<i>For Ash/Hickory, Add</i>	348.09	
			<i>For Walnut, Add</i>	572.72	
			<i>For Cherry, Add</i>	1,075.52	
08 14 73 00-0053	EA		5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,768.93	86.14
			<i>For Oak, Add</i>	373.62	
			<i>For Ash/Hickory, Add</i>	373.62	
			<i>For Walnut, Add</i>	614.72	
			<i>For Cherry, Add</i>	1,154.39	
08 14 73 00-0054	EA		6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,890.80	92.52
			<i>For Oak, Add</i>	399.15	
			<i>For Ash/Hickory, Add</i>	399.15	
			<i>For Walnut, Add</i>	656.72	
			<i>For Cherry, Add</i>	1,233.26	
08 14 73 00-0055			Accessories (08 14 73 00-0001)		
08 14 73 00-0056			Jamb Replacement (08 14 73 00-0055)		
08 14 73 00-0057	EA		4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	130.21	
			<i>For Oak, Add</i>	7.50	
			<i>For Ash/Hickory, Add</i>	11.75	
			<i>For Walnut, Add</i>	25.70	
			<i>For Cherry, Add</i>	40.70	
08 14 73 00-0058	EA		5-1/4" Birch Jamb Replacement For Pocket Doors	132.35	
			<i>For Oak, Add</i>	7.75	
			<i>For Ash/Hickory, Add</i>	12.13	
			<i>For Walnut, Add</i>	26.52	
			<i>For Cherry, Add</i>	42.02	
08 14 73 00-0059	EA		6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	146.27	
			<i>For Oak, Add</i>	9.32	
			<i>For Ash/Hickory, Add</i>	14.60	
			<i>For Walnut, Add</i>	31.91	
			<i>For Cherry, Add</i>	50.55	
08 14 73 00-0060			Track And Hardware Replacement Kits (08 14 73 00-0055)		
			Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA		Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	318.98	
08 14 73 00-0062	EA		2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	321.77	
08 14 73 00-0063	EA		3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	327.35	
08 14 73 00-0064	EA		Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door.....	380.38	
08 14 73 00-0065	EA		2'-8" x 7' Door Track And Hardware Replacement For Pocket Door.....	383.17	
08 14 73 00-0066	EA		3'-0" x 7' Door Track And Hardware Replacement For Pocket Door.....	388.76	
08 14 73 00-0067	EA		Up To 2'-6" x 8' Door Track And Hardware.....	408.29	
08 14 73 00-0068	EA		2'-8" x 8' Door Track And Hardware Replacement For Pocket Door.....	411.08	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0069 EA 3'-0" x 8' Door Track And Hardware Replacement For Pocket Door.....	416.66	
08 14 73 00-0070 EA Double Door Converging Kit For Pocket Door	47.05	
08 14 73 00-0071 Bi-Pass Doors (08 14 73) Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 LB maximum door weight (each opening).		
08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0073 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	470.09	102.03
08 14 73 00-0074 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	516.10	108.41
08 14 73 00-0075 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	562.66	114.79
08 14 73 00-0076 EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	769.13	121.16
08 14 73 00-0077 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0078 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	439.27	102.03
08 14 73 00-0079 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	468.05	108.41
08 14 73 00-0080 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	509.78	114.79
08 14 73 00-0081 EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	707.50	121.16
08 14 73 00-0082 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0083 EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	470.95	102.03
08 14 73 00-0084 EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	513.95	108.41
08 14 73 00-0085 EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	559.10	114.79
08 14 73 00-0086 EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	770.87	121.16
08 14 76 Bifolding Wood Doors (08 14)		
08 14 76 00-0001 Bi-Fold Wood Doors (08 14 76) Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.		
08 14 76 00-0002 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0003 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	228.48	76.52
08 14 76 00-0004 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	241.23	82.90
08 14 76 00-0005 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	259.02	89.28
08 14 76 00-0006 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	271.76	95.65
08 14 76 00-0007 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	348.82	102.03
08 14 76 00-0008 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	361.57	108.41
08 14 76 00-0009 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	385.00	114.79
08 14 76 00-0010 Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0011 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	240.78	76.52
08 14 76 00-0012 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	257.57	82.90
08 14 76 00-0013 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	278.08	89.28
08 14 76 00-0014 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	290.82	95.65
08 14 76 00-0015 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	375.17	102.03
08 14 76 00-0016 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	402.65	108.41
08 14 76 00-0017 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	431.68	114.79
08 14 76 00-0018 Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0019 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	241.35	76.52
08 14 76 00-0020 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	265.46	82.90
08 14 76 00-0021 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	285.35	89.28
08 14 76 00-0022 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	298.09	95.65
08 14 76 00-0023 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	381.53	102.03
08 14 76 00-0024 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	396.84	108.41
08 14 76 00-0025 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	431.68	114.79
08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0027 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	607.17	76.52
08 14 76 00-0028 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	693.30	82.90
08 14 76 00-0029 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	791.33	89.28
08 14 76 00-0030 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	804.07	95.65
08 14 76 00-0031 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,112.31	102.03
08 14 76 00-0032 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,271.81	108.41
08 14 76 00-0033 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,455.11	114.79
08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)		



Openings	08	08
Doors and Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0035 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	775.74	76.52
08 14 76 00-0036 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	842.03	82.90
08 14 76 00-0037 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	920.23	89.28
08 14 76 00-0038 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	932.97	95.65
08 14 76 00-0039 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,449.43	102.03
08 14 76 00-0040 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,569.27	108.41
08 14 76 00-0041 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,712.91	114.79

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0043 EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	232.81	76.52
08 14 76 00-0044 EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	250.62	82.90
08 14 76 00-0045 EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	274.09	89.28
08 14 76 00-0046 EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	277.80	95.65
08 14 76 00-0047 EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	341.69	102.03
08 14 76 00-0048 EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	368.60	108.41
08 14 76 00-0049 EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	411.94	114.79

08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors <small>(08 16 13)</small>		
08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0002)</small>		
08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small>		
Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0006 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,241.82	76.56
<i>For Custom Color Finish, Add</i> 168.10		
<i>For Stainless Steel Continuous Hinge, Add</i> 374.17		
08 16 13 00-0007 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,460.34	79.75
<i>For Custom Color Finish, Add</i> 168.10		
<i>For Stainless Steel Continuous Hinge, Add</i> 374.17		
08 16 13 00-0008 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,793.12	86.14
<i>For Custom Color Finish, Add</i> 168.10		
<i>For Stainless Steel Continuous Hinge, Add</i> 374.17		
08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0010 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,241.82	76.56
<i>For Custom Color Finish, Add</i> 168.10		
<i>For Stainless Steel Continuous Hinge, Add</i> 374.17		
08 16 13 00-0011 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,546.64	79.75
<i>For Custom Color Finish, Add</i> 168.10		
<i>For Stainless Steel Continuous Hinge, Add</i> 374.17		
08 16 13 00-0012 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,884.81	86.14
<i>For Custom Color Finish, Add</i> 168.10		
<i>For Stainless Steel Continuous Hinge, Add</i> 374.17		
08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small>		
Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 16 13 00-0014		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0015		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0014)</small>		
08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,845.89	76.56
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,925.98	79.75
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,476.30	86.14
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0019		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0014)</small>		
08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,845.89	76.56
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,206.45	79.75
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,580.57	86.14
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0023		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0024		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0023)</small>		
08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,845.89	76.56
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,925.98	79.75
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,476.30	86.14
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0028		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0023)</small>		
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,845.89	76.56
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,206.45	79.75
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,580.57	86.14
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0032)</small>		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,845.89	76.56
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	



Openings	08	08
Doors and Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0035	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,925.98	79.75
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0036	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,476.30	86.14
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0037			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0038	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,845.89	76.56
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0039	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,206.45	79.75
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0040	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,580.57	86.14
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0041			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0043	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,427.00	76.56
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0044			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0045	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,427.00	76.56
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0046			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0047	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.46	
08 16 13 00-0048	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.47	
08 16 13 00-0049	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.62	
08 16 13 00-0050	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.59	
08 16 13 00-0051	SI		Factory Installed Molded Louver (Chem-Pruf).....	1.18	
08 16 13 00-0052	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	1.32	
08 16 13 00-0053	LF		Weather Strip (Chem-Pruf).....	12.58	
08 16 13 00-0054	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	16.18	
08 16 13 00-0055	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	34.16	
08 16 13 00-0056	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	37.75	
08 16 13 00-0057	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	73.71	
08 16 13 00-0058			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)		
08 16 13 00-0059			Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058) Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060			Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061			6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)		
08 16 13 00-0062	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,480.58	76.56
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0063	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,515.24	79.75
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,636.77 168.10 374.17	86.14
08 16 13 00-0065		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,480.58 168.10 374.17	76.56
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,624.01 168.10 374.17	79.75
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,636.77 168.10 374.17	86.14
08 16 13 00-0069		Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071		6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,112.12 168.10 374.17	76.56
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,196.81 168.10 374.17	79.75
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,396.65 168.10 374.17	86.14
08 16 13 00-0075		7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,112.12 168.10 374.17	76.56
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,227.27 168.10 374.17	79.75
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,490.20 168.10 374.17	86.14
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,112.12 168.10 374.17	76.56
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,196.81 168.10 374.17	79.75
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,396.65 168.10 374.17	86.14
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		



Openings	08	08
Doors and Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,112.12 168.10 374.17	76.56
08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,227.27 168.10 374.17	79.75
08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,490.20 168.10 374.17	86.14
08 16 13 00-0088			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0089)</small>		
08 16 13 00-0089			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0090)</small>		
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,112.12 168.10 374.17	76.56
08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,196.81 168.10 374.17	79.75
08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,396.65 168.10 374.17	86.14
08 16 13 00-0093			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0094)</small>		
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,112.12 168.10 374.17	76.56
08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,227.27 168.10 374.17	79.75
08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,490.20 168.10 374.17	86.14
08 16 13 00-0097			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small> Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0097)</small>		
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,806.89 168.10 374.17	76.56
08 16 13 00-0100			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0097)</small>		
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,806.89 168.10 374.17	76.56
08 16 13 00-0102			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) <small>(08 16 13 00-0088)</small>		
08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	1.03	
08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	1.06	
08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door).....	1.12	
08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.60	
08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door).....	0.63	
08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door).....	1.01	
08 16 13 00-0109	LF		Weather Strip (Skule Door).....	8.70	
08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	10.88	
08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	34.81	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	124.00	
08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	47.86	

08	08	Openings
	08 10	Doors and Frames
	08 16	Composite Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0114	Galvanized Insulated Poly Core Composite Doors <small>(08 16 13)</small>		
08 16 13 00-0115	EA 3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,363.46	76.56

08 17 Integrated Door Opening Assemblies (08 10)

08 17 23	Integrated Metal Door Opening Assemblies <small>(08 17)</small>		
08 17 23 00-0001	Pre-Hung Interior Door Units <small>(08 17 23)</small> Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.		
08 17 23 00-0002	Hollow Core Doors, 1-3/8" Thick <small>(08 17 23 00-0001)</small>		

08 17 23 00-0003	Birch Faced <small>(08 17 23 00-0002)</small>		
08 17 23 00-0004	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	391.08	79.75
	<i>For 8' Door Height, Add</i>	55.58	
08 17 23 00-0005	EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	405.30	79.75
	<i>For 8' Door Height, Add</i>	58.99	
08 17 23 00-0006	EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	425.93	82.95
	<i>For 8' Door Height, Add</i>	62.41	
08 17 23 00-0007	EA 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	436.55	86.14
	<i>For 8' Door Height, Add</i>	63.42	
08 17 23 00-0008	EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	462.36	86.14
	<i>For 8' Door Height, Add</i>	69.62	
08 17 23 00-0009	EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	487.30	89.33
	<i>For 8' Door Height, Add</i>	74.08	
08 17 23 00-0010	EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	724.72	130.80
	<i>For 8' Door Height, Add</i>	111.15	
08 17 23 00-0011	EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	772.35	140.37
	<i>For 8' Door Height, Add</i>	117.99	
08 17 23 00-0012	EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	828.42	149.94
	<i>For 8' Door Height, Add</i>	126.85	

08 17 23 00-0013	Lauan Faced <small>(08 17 23 00-0002)</small>		
08 17 23 00-0014	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	364.16	79.75
	<i>For 8' Door Height, Add</i>	49.12	
08 17 23 00-0015	EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	378.04	79.75
	<i>For 8' Door Height, Add</i>	52.45	
08 17 23 00-0016	EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	396.12	82.95
	<i>For 8' Door Height, Add</i>	55.26	
08 17 23 00-0017	EA 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	410.77	86.14
	<i>For 8' Door Height, Add</i>	57.24	
08 17 23 00-0018	EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	433.58	86.14
	<i>For 8' Door Height, Add</i>	62.71	
08 17 23 00-0019	EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	452.06	89.33
	<i>For 8' Door Height, Add</i>	65.62	
08 17 23 00-0020	EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	670.91	130.80
	<i>For 8' Door Height, Add</i>	98.23	
08 17 23 00-0021	EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	717.74	140.37
	<i>For 8' Door Height, Add</i>	104.88	
08 17 23 00-0022	EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	776.94	149.94
	<i>For 8' Door Height, Add</i>	114.49	

08 17 23 00-0023	Tempered Hardboard Faced <small>(08 17 23 00-0002)</small>		
08 17 23 00-0024	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	317.29	79.75
	<i>For 8' Door Height, Add</i>	37.87	
08 17 23 00-0025	EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	328.80	79.75
	<i>For 8' Door Height, Add</i>	40.63	
08 17 23 00-0026	EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	340.64	82.95
	<i>For 8' Door Height, Add</i>	41.94	
08 17 23 00-0027	EA 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	357.94	86.14
	<i>For 8' Door Height, Add</i>	44.56	
08 17 23 00-0028	EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	378.35	86.14
	<i>For 8' Door Height, Add</i>	49.46	
08 17 23 00-0029	EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	401.60	89.33
	<i>For 8' Door Height, Add</i>	53.51	
08 17 23 00-0030	EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	582.46	130.80
	<i>For 8' Door Height, Add</i>	77.01	
08 17 23 00-0031	EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	619.30	140.37
	<i>For 8' Door Height, Add</i>	81.26	
08 17 23 00-0032	EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	671.20	149.94
	<i>For 8' Door Height, Add</i>	89.12	

08 17 23 00-0033	Solid Core Doors, 1-3/8" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0034	Birch Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0035	EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	506.90	79.75
	<i>For 8' Door Height, Add</i>	83.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0036 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	525.17 87.76	79.75
08 17 23 00-0037 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	549.78 92.13	82.95
08 17 23 00-0038 EA 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	578.40 97.47	86.14
08 17 23 00-0039 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	622.99 108.17	86.14
08 17 23 00-0040 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	668.77 117.63	89.33
08 17 23 00-0041 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	956.37 166.74	130.80
08 17 23 00-0042 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,012.05 175.52	140.37
08 17 23 00-0043 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	1,112.12 194.94	149.94
08 17 23 00-0044 Lauan Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0045 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	734.20 137.93	79.75
08 17 23 00-0046 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	765.80 145.51	79.75
08 17 23 00-0047 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	803.74 153.08	82.95
08 17 23 00-0048 EA 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	842.01 160.74	86.14
08 17 23 00-0049 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	915.67 178.42	86.14
08 17 23 00-0050 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	969.62 189.83	89.33
08 17 23 00-0051 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	1,410.96 275.85	130.80
08 17 23 00-0052 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	1,493.35 291.03	140.37
08 17 23 00-0053 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door..... <i>For 8' Door Height, Add</i>	1,639.34 321.48	149.94
08 17 23 00-0054 Tempered Hardboard Faced <small>(08 17 23 00-0033)</small>		
08 17 23 00-0055 EA 2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	418.75 62.22	79.75
08 17 23 00-0056 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	433.75 65.82	79.75
08 17 23 00-0057 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	455.19 69.43	82.95
08 17 23 00-0058 EA 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	467.14 70.77	86.14
08 17 23 00-0059 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	499.66 78.57	86.14
08 17 23 00-0060 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	527.00 83.60	89.33
08 17 23 00-0061 PR Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	780.06 124.43	130.80
08 17 23 00-0062 PR Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	829.21 131.64	140.37
08 17 23 00-0063 PR Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	889.59 141.54	149.94
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0065 Birch Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0066 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	448.93 69.46	79.75
08 17 23 00-0067 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	459.86 72.08	79.75
08 17 23 00-0068 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	470.28 73.05	82.95
08 17 23 00-0069 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	494.46 77.33	86.14
08 17 23 00-0070 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	541.73 88.67	86.14
08 17 23 00-0071 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	603.32 101.92	89.33
08 17 23 00-0072 EA Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	840.48 138.93	130.80
08 17 23 00-0073 EA Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	881.42 144.17	140.37
08 17 23 00-0074 EA Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	944.29 154.66	149.94

08 Openings**08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0075			Lauan Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	419.49 62.40	79.75
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	437.40 66.69	79.75
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	458.32 70.18	82.95
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	470.45 71.56	86.14
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	503.24 79.43	86.14
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	530.79 84.51	89.33
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	781.56 124.79	130.80
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	836.52 133.39	140.37
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	896.26 143.13	149.94
08 17 23 00-0085			Tempered Hardboard Faced <small>(08 17 23 00-0064)</small>		
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	356.09 47.18	79.75
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	361.57 48.49	79.75
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	378.87 51.12	82.95
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	396.18 53.74	86.14
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	408.65 56.73	86.14
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	434.39 61.38	89.33
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	661.32 95.94	130.80
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	684.85 96.99	140.37
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	747.71 107.48	149.94
08 17 23 00-0095			Solid Core Doors, 1-3/4" Thick <small>(08 17 23 00-0001)</small>		
08 17 23 00-0096			Birch Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	560.09 96.14	79.75
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	576.77 100.14	79.75
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	588.73 101.48	82.95
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	611.79 105.48	86.14
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	660.14 117.09	86.14
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	715.33 128.81	89.33
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,062.75 192.28	130.80
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,115.25 200.28	140.37
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door <i>For 8' Door Height, Add</i>	1,178.93 210.97	149.94
08 17 23 00-0106			Lauan Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	941.76 187.74	79.75
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	944.03 188.28	79.75
08 17 23 00-0109	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	972.95 193.69	82.95
08 17 23 00-0110	EA		3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	995.65 197.61	86.14
08 17 23 00-0111	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,070.07 215.47	86.14
08 17 23 00-0112	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,133.88 229.26	89.33
08 17 23 00-0113	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,826.14 375.49	130.80
08 17 23 00-0114	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door <i>For 8' Door Height, Add</i>	1,849.78 376.57	140.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0115 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door <i>For 8' Door Height, Add</i>	1,946.64 395.22	149.94
08 17 23 00-0116 Tempered Hardboard Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0117 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	476.63 76.11	79.75
08 17 23 00-0118 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	482.18 77.44	79.75
08 17 23 00-0119 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	494.14 78.78	82.95
08 17 23 00-0120 EA 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	511.66 81.45	86.14
08 17 23 00-0121 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	536.56 87.43	86.14
08 17 23 00-0122 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	566.25 93.02	89.33
08 17 23 00-0123 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	895.83 152.22	130.80
08 17 23 00-0124 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	926.08 154.88	140.37
08 17 23 00-0125 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	978.65 162.90	149.94
08 17 23 00-0126 Oak Or Maple Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0127 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	873.82 171.44	79.75
08 17 23 00-0128 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	878.18 172.48	79.75
08 17 23 00-0129 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	921.49 181.34	82.95
08 17 23 00-0130 EA 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	937.51 183.66	86.14
08 17 23 00-0131 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,020.47 203.57	86.14
08 17 23 00-0132 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,125.13 227.16	89.33
08 17 23 00-0133 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,690.22 342.88	130.80
08 17 23 00-0134 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,718.12 344.97	140.37
08 17 23 00-0135 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,830.36 367.31	149.94
08 17 23 00-0136 Walnut Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0137 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,096.90 224.97	79.75
08 17 23 00-0138 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,135.88 234.33	79.75
08 17 23 00-0139 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,155.32 237.46	82.95
08 17 23 00-0140 EA 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,200.74 246.83	86.14
08 17 23 00-0141 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,313.88 273.99	86.14
08 17 23 00-0142 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,434.51 301.41	89.33
08 17 23 00-0143 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,136.39 449.95	130.80
08 17 23 00-0144 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,233.47 468.66	140.37
08 17 23 00-0145 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,356.82 493.66	149.94
08 18 Glass Doors <small>(08 10)</small>		
08 18 16 Sliding Glass Doors <small>(08 18)</small>		
08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors <small>(08 18 16)</small>		
08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors <small>(08 18 16 00-0001)</small>		
08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors <small>(08 18 16 00-0002)</small>		
08 18 16 00-0004 SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	45.66 7.62 1.42 5.48	5.74
08 18 16 00-0005 SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	37.98 7.28 1.42 5.24	3.57

08 Openings**08 10 Doors and Frames****08 18 Glass Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 18 16 00-0006		1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)		
08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	51.12	5.74
		<i>For Custom Quality, Add</i>	8.98	
		<i>For Tempered Glass, Add</i>	1.42	
		<i>For Anodized Or Colored Aluminum Frames, Add</i>	6.47	
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	43.36	3.57
		<i>For Custom Quality, Add</i>	8.63	
		<i>For Tempered Glass, Add</i>	1.42	
		<i>For Anodized Or Colored Aluminum Frames, Add</i>	6.21	
08 18 16 00-0009		Sliding Wood-Framed Glass Doors (08 18 16)		
08 18 16 00-0010		Residential Wood Sliding Doors With 5/8" Glass (08 18 16 00-0009)		
08 18 16 00-0011	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	1,957.66	172.27
08 18 16 00-0012	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,390.00	210.55
08 18 16 00-0013	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,761.36	242.45
08 18 16 00-0014	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,145.36	172.27
08 18 16 00-0015	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	2,632.42	210.55
08 18 16 00-0016	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware.....	3,061.37	242.45
08 30 Specialty Doors and Frames (08)				
		Note: Includes caulk, sealant and mounting anchors.		
08 31 Access Doors and Panels (08 30)				
		See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.		
08 31 13 Access Doors and Frames (08 31)				
08 31 13 00-0001		Stainless Steel Access Doors (08 31 13)		
08 31 13 00-0002		Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	473.26	67.14
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	550.11	71.54
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	641.54	75.65
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	739.76	79.50
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	756.62	79.91
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....	978.53	82.38
08 31 13 00-0009		Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch.....	193.72	51.49
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch.....	230.58	67.14
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch.....	325.41	71.54
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch.....	349.14	75.65
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch.....	404.32	79.50
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch.....	459.48	79.91
08 31 13 00-0016		Steel Access Doors (08 31 13)		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0017		Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	322.34	67.55
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	399.41	71.54
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	399.03	75.65
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	474.19	79.91
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	495.75	79.91
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	653.44	82.38
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	753.72	85.82
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	932.17	85.82
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	1,196.42	102.97
08 31 13 00-0027		Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch.....	164.51	51.76
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch.....	176.20	67.55
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch.....	202.99	71.54
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch.....	208.60	75.65
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch.....	247.83	79.91
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch.....	253.78	79.91
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch.....	328.84	82.38
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch.....	434.93	85.82
08 31 13 00-0036		Fiberglass Reinforced Polyester (FRP) Access Doors (08 31 13)		
08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	196.55	51.49
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock.....	217.23	54.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0039 EA 12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	266.78	58.35
08 31 13 00-0040 EA 18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	316.11	61.79
08 31 13 00-0041 EA 24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	368.75	64.95
08 31 13 00-0042 EA 24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	394.84	65.22
08 31 13 00-0043 Steel Recessed Access Doors For Drywall Application (08 31 13)		
Note: Includes paintable powder coated finish.		
08 31 13 00-0044 EA 8" x 8" Recessed Steel Access Door With Cam Latch.....	235.91	51.49
For Recessed Doors In Acoustical Tile, Add	21.25	
08 31 13 00-0045 EA 12" x 12" Recessed Steel Access Door With Cam Latch.....	246.86	55.20
For Recessed Doors In Acoustical Tile, Add	23.65	
08 31 13 00-0046 EA 12" x 18" Recessed Steel Access Door With Cam Latch.....	265.36	58.35
For Recessed Doors In Acoustical Tile, Add	24.41	
08 31 13 00-0047 EA 18" x 18" Recessed Steel Access Door With Cam Latch.....	311.60	61.79
For Recessed Doors In Acoustical Tile, Add	21.22	
08 31 13 00-0048 EA 24" x 18" Recessed Steel Access Door With Cam Latch.....	327.85	65.22
For Recessed Doors In Acoustical Tile, Add	22.58	
08 31 13 00-0049 EA 24" x 24" Recessed Steel Access Door With Cam Latch.....	359.21	65.22
For Recessed Doors In Acoustical Tile, Add	17.87	
08 31 13 00-0050 EA 24" x 36" Recessed Steel Access Door With Cam Latch.....	447.41	82.38
For Recessed Doors In Acoustical Tile, Add	23.51	
08 31 13 00-0051 EA 36" x 36" Recessed Steel Access Door With Cam Latch.....	640.48	85.82
For Recessed Doors In Acoustical Tile, Add	-1.68	
08 31 13 00-0052 Steel Crawl Space Doors And Frames (08 31 13)		
Note: Includes paintable powder coated finish.		
08 31 13 00-0053 EA 24" x 24" Steel Crawl Space Door With Cam Latch.....	271.09	86.91
08 31 13 00-0054 EA 30" x 24" Steel Crawl Space Door With Cam Latch.....	381.50	105.31
08 31 13 00-0055 EA 30" x 30" Steel Crawl Space Door With Cam Latch.....	427.67	114.38
08 33 Coiling Doors and Grilles (08 33)		
08 33 13 Coiling Counter Doors (08 33)		
08 33 13 00-0001 Overhead Rolling Counter Doors (08 33 13)		
08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001)		
Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003 EA 4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,055.73	435.00
For Motor Operator (With Safety Reverse), Add	758.75	
08 33 13 00-0004 EA 6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,356.83	435.00
For Motor Operator (With Safety Reverse), Add	758.75	
08 33 13 00-0005 EA 8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	6,863.31	462.19
For Motor Operator (With Safety Reverse), Add	764.23	
08 33 13 00-0006 EA 10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,374.70	543.75
For Motor Operator (With Safety Reverse), Add	785.26	
08 33 13 00-0007 EA 4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,410.69	435.00
For Motor Operator (With Safety Reverse), Add	758.75	
08 33 13 00-0008 EA 6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,757.35	483.29
For Motor Operator (With Safety Reverse), Add	770.83	
08 33 13 00-0009 EA 8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	7,956.22	502.64
For Motor Operator (With Safety Reverse), Add	775.67	
08 33 13 00-0010 EA 10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	8,435.32	543.75
For Motor Operator (With Safety Reverse), Add	785.94	
08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001)		
Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012 EA 4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,808.49	435.00
For Motor Operator (With Safety Reverse), Add	758.75	
08 33 13 00-0013 EA 6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,636.52	435.00
For Motor Operator (With Safety Reverse), Add	758.75	
08 33 13 00-0014 EA 8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,841.89	462.19
For Motor Operator (With Safety Reverse), Add	764.23	
08 33 13 00-0015 EA 10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	9,557.70	543.75
For Motor Operator (With Safety Reverse), Add	785.26	
08 33 13 00-0016 EA 4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,163.45	435.00
For Motor Operator (With Safety Reverse), Add	758.75	
08 33 13 00-0017 EA 6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,434.84	483.29
For Motor Operator (With Safety Reverse), Add	770.83	
08 33 13 00-0018 EA 8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,633.71	502.64
For Motor Operator (With Safety Reverse), Add	775.67	
08 33 13 00-0019 EA 10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	10,994.71	543.75
For Motor Operator (With Safety Reverse), Add	785.94	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0020			Aluminum Overhead Rolling Counter Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA		4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 6,657.93 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	6,657.93	435.00
08 33 13 00-0022	EA		6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 6,959.04 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	6,959.04	435.00
08 33 13 00-0023	EA		8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 7,766.62 <i>For Motor Operator (With Safety Reverse), Add</i> 764.23	7,766.62	462.19
08 33 13 00-0024	EA		10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 9,181.32 <i>For Motor Operator (With Safety Reverse), Add</i> 785.26	9,181.32	543.75
08 33 13 00-0025	EA		4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 8,012.90 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	8,012.90	435.00
08 33 13 00-0026	EA		6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 8,359.56 <i>For Motor Operator (With Safety Reverse), Add</i> 770.83	8,359.56	483.29
08 33 13 00-0027	EA		8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 8,596.07 <i>For Motor Operator (With Safety Reverse), Add</i> 775.67	8,596.07	502.64
08 33 13 00-0028	EA		10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) 10,844.16 <i>For Motor Operator (With Safety Reverse), Add</i> 785.94	10,844.16	543.75
08 33 13 00-0029			Galvanized Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA		4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 7,862.35 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	7,862.35	435.00
08 33 13 00-0031	EA		6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 8,314.01 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	8,314.01	435.00
08 33 13 00-0032	EA		8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 8,971.03 <i>For Motor Operator (With Safety Reverse), Add</i> 764.23	8,971.03	462.19
08 33 13 00-0033	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 9,632.98 <i>For Motor Operator (With Safety Reverse), Add</i> 785.26	9,632.98	543.75
08 33 13 00-0034	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 8,765.66 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	8,765.66	435.00
08 33 13 00-0035	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 9,187.60 <i>For Motor Operator (With Safety Reverse), Add</i> 770.83	9,187.60	483.29
08 33 13 00-0036	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 9,537.02 <i>For Motor Operator (With Safety Reverse), Add</i> 775.67	9,537.02	502.64
08 33 13 00-0037	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) 9,790.29 <i>For Motor Operator (With Safety Reverse), Add</i> 785.94	9,790.29	543.75
08 33 13 00-0038			Stainless Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA		4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 8,916.21 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	8,916.21	435.00
08 33 13 00-0040	EA		6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 10,120.63 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	10,120.63	435.00
08 33 13 00-0041	EA		8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 10,326.00 <i>For Motor Operator (With Safety Reverse), Add</i> 764.23	10,326.00	462.19
08 33 13 00-0042	EA		10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 12,644.02 <i>For Motor Operator (With Safety Reverse), Add</i> 785.26	12,644.02	543.75
08 33 13 00-0043	EA		4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 9,668.97 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	9,668.97	435.00
08 33 13 00-0044	EA		6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 10,015.63 <i>For Motor Operator (With Safety Reverse), Add</i> 770.83	10,015.63	483.29
08 33 13 00-0045	EA		8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 10,365.06 <i>For Motor Operator (With Safety Reverse), Add</i> 775.67	10,365.06	502.64
08 33 13 00-0046	EA		10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) 12,801.33 <i>For Motor Operator (With Safety Reverse), Add</i> 785.94	12,801.33	543.75
08 33 13 00-0047			Integral Frame And Sill, Overhead Rolling Counter Doors (08 33 13)		
08 33 13 00-0048			Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill (08 33 13 00-0047) Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) 12,830.57 <i>For Motor Operator (With Safety Reverse), Add</i> 758.75	12,830.57	435.00



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 13 00-0050	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,131.67	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0051	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	20,334.27	462.19
				<i>For Motor Operator (With Safety Reverse), Add</i>	764.23	
	08 33 13 00-0052	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,998.99	543.75
				<i>For Motor Operator (With Safety Reverse), Add</i>	785.26	
	08 33 13 00-0053	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,282.22	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0054	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,704.16	483.29
				<i>For Motor Operator (With Safety Reverse), Add</i>	770.83	
	08 33 13 00-0055	EA		8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	14,053.58	502.64
				<i>For Motor Operator (With Safety Reverse), Add</i>	775.67	
	08 33 13 00-0056	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	15,661.82	543.75
				<i>For Motor Operator (With Safety Reverse), Add</i>	785.94	
	08 33 13 00-0057			Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>		
				Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0058	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	11,325.05	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0059	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	11,626.15	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0060	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	11,982.07	462.19
				<i>For Motor Operator (With Safety Reverse), Add</i>	764.23	
	08 33 13 00-0061	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	12,493.47	543.75
				<i>For Motor Operator (With Safety Reverse), Add</i>	785.26	
	08 33 13 00-0062	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	12,680.01	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0063	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	13,101.95	483.29
				<i>For Motor Operator (With Safety Reverse), Add</i>	770.83	
	08 33 13 00-0064	EA		8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	13,601.92	502.64
				<i>For Motor Operator (With Safety Reverse), Add</i>	775.67	
	08 33 13 00-0065	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	14,005.75	543.75
				<i>For Motor Operator (With Safety Reverse), Add</i>	785.94	
	08 33 13 00-0066			Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small>		
				Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
	08 33 13 00-0067	EA		4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,648.23	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0068	EA		6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,153.75	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0069	EA		8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	22,219.61	462.19
				<i>For Motor Operator (With Safety Reverse), Add</i>	764.23	
	08 33 13 00-0070	EA		10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	23,935.42	543.75
				<i>For Motor Operator (With Safety Reverse), Add</i>	785.26	
	08 33 13 00-0071	EA		4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,906.51	435.00
				<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
	08 33 13 00-0072	EA		6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	21,532.86	483.29
				<i>For Motor Operator (With Safety Reverse), Add</i>	770.83	
	08 33 13 00-0073	EA		8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	23,839.46	502.64
				<i>For Motor Operator (With Safety Reverse), Add</i>	775.67	
	08 33 13 00-0074	EA		10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	26,953.22	543.75
				<i>For Motor Operator (With Safety Reverse), Add</i>	785.94	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 13 00-0075	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>		
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	14,938.29	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0077	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	15,239.40	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0078	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	15,896.43	462.19
	<i>For Motor Operator (With Safety Reverse), Add</i>	764.23	
08 33 13 00-0079	EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	17,160.58	543.75
	<i>For Motor Operator (With Safety Reverse), Add</i>	785.26	
08 33 13 00-0080	EA 4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	15,841.61	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0081	EA 6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	16,865.75	483.29
	<i>For Motor Operator (With Safety Reverse), Add</i>	770.83	
08 33 13 00-0082	EA 8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	17,817.38	502.64
	<i>For Motor Operator (With Safety Reverse), Add</i>	775.67	
08 33 13 00-0083	EA 10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	20,931.14	543.75
	<i>For Motor Operator (With Safety Reverse), Add</i>	785.94	
08 33 13 00-0084	Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>		
	Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085	EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	21,412.03	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0086	EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	22,164.79	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0087	EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	25,230.65	462.19
	<i>For Motor Operator (With Safety Reverse), Add</i>	764.23	
08 33 13 00-0088	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood <small>(08 33 13 00-0047)</small>		
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	16,142.71	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0090	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	22,164.79	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0091	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	25,230.65	462.19
	<i>For Motor Operator (With Safety Reverse), Add</i>	764.23	
08 33 13 00-0092	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>		
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	14,034.98	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0094	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	15,841.61	435.00
	<i>For Motor Operator (With Safety Reverse), Add</i>	758.75	
08 33 13 00-0095	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	16,950.29	462.19
	<i>For Motor Operator (With Safety Reverse), Add</i>	764.23	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33	13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)..... <i>For Motor Operator (With Safety Reverse), Add</i>	18,666.10 785.26	543.75
08 33 16 Coiling Counter Grilles <small>(08 33)</small>						
08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) <small>(08 33 16)</small>						
	08 33	16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,732.19 178.27 103.71 184.63	190.31
	08 33	16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,884.18 201.06 142.71 250.47	190.31
	08 33	16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,218.83 224.07 181.73 316.31	253.71
	08 33	16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,584.61 278.94 259.74 448.00	253.71
	08 33	16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,546.33 368.82 389.12 590.74	380.63
	08 33	16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,026.47 413.77 389.12 590.74	435.00
	08 33	16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,508.05 458.71 518.49 733.48	507.32
	08 33	16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,597.38 578.19 622.20 758.46	609.00
	08 33	16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,886.56 706.73 728.26 870.63	761.25
	08 33	16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,848.21 195.67 155.54 214.50	190.31
	08 33	16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,066.50 228.41 233.29 291.73	190.31
	08 33	16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,376.52 247.73 311.03 368.96	253.82
	08 33	16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,797.95 310.94 466.64 523.40	253.82
	08 33	16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,845.58 413.71 622.20 720.53	380.63
	08 33	16 00-0016	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,368.66 465.09 622.20 720.53	435.00
	08 33	16 00-0017	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,889.33 516.48 777.75 917.65	507.32
	08 33	16 00-0018	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,096.48 653.05 933.29 1,057.87	609.00
	08 33	16 00-0019	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,383.66 781.30 1,086.60 1,185.94	761.25

08 33 23 Overhead Coiling Doors (08 33)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1034 for forklift.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 11 Overhead Coiling Doors (08 33 23)

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,468.01	642.28
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,568.85	680.06
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,565.90	680.06
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,670.57	717.85
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,701.55	736.76
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,843.69	793.40
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,959.40	831.18
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,930.24	831.18
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,989.15	850.08
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,057.44	868.97
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,192.02	906.75
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,053.37	868.97
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,172.61	906.75
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,306.41	944.53
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,412.06	982.31

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,305.35	955.86
		<i>For 3/4" Insulated Slats, Add</i>	1,284.19	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,397.04	977.59
		<i>For 3/4" Insulated Slats, Add</i>	1,325.75	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,668.60	1,042.76
		<i>For 3/4" Insulated Slats, Add</i>	1,448.00	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,902.46	1,086.21
		<i>For 3/4" Insulated Slats, Add</i>	1,569.08	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,526.74	999.31
		<i>For 3/4" Insulated Slats, Add</i>	1,395.92	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,810.40	1,086.21
		<i>For 3/4" Insulated Slats, Add</i>	1,500.04	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,007.14	1,129.66
		<i>For 3/4" Insulated Slats, Add</i>	1,593.29	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,252.35	1,173.10
		<i>For 3/4" Insulated Slats, Add</i>	1,722.89	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,757.57	1,042.76
		<i>For 3/4" Insulated Slats, Add</i>	1,514.73	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,971.74	1,086.21
		<i>For 3/4" Insulated Slats, Add</i>	1,621.04	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,272.81	1,173.10
		<i>For 3/4" Insulated Slats, Add</i>	1,738.23	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,579.64	1,210.88
		<i>For 3/4" Insulated Slats, Add</i>	1,921.12	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,706.68	1,286.45
		<i>For 3/4" Insulated Slats, Add</i>	1,921.95	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,122.73	1,362.01
		<i>For 3/4" Insulated Slats, Add</i>	2,139.54	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,554.83	1,437.57
		<i>For 3/4" Insulated Slats, Add</i>	2,369.15	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,921.35	860.28
		<i>For 3/4" Insulated Slats, Add</i>	1,115.67	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,137.10	908.08
		<i>For 3/4" Insulated Slats, Add</i>	1,217.69	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,291.95	945.86
		<i>For 3/4" Insulated Slats, Add</i>	1,286.61	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,342.49	1,003.66
		<i>For 3/4" Insulated Slats, Add</i>	1,252.25	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,667.16	1,099.25
		<i>For 3/4" Insulated Slats, Add</i>	1,376.28	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,865.41	1,137.03
		<i>For 3/4" Insulated Slats, Add</i>	1,477.73	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,318.56	1,174.81
		<i>For 3/4" Insulated Slats, Add</i>	1,770.36	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,809.48	1,231.49
		<i>For 3/4" Insulated Slats, Add</i>	2,067.72	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,627.19	1,075.34
		<i>For 3/4" Insulated Slats, Add</i>	1,376.24	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,918.25	1,147.04
		<i>For 3/4" Insulated Slats, Add</i>	1,504.89	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,148.24 <i>1,677.60</i>	1,194.83
	08 33 23	11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,584.49 <i>1,897.56</i>	1,232.61
	08 33 23	11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,058.51 <i>2,182.23</i>	1,289.29
	08 33 23	11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,269.82 <i>1,649.09</i>	1,242.62
	08 33 23	11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,564.44 <i>1,810.27</i>	1,290.43
	08 33 23	11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,093.05 <i>2,112.27</i>	1,365.98
	08 33 23	11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,697.23 <i>2,423.72</i>	1,479.33
	08 33 23	11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,331.51 <i>2,710.53</i>	1,630.45
	08 33 23	11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,041.37 <i>3,006.80</i>	1,819.36
	08 33 23	11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,826.79 <i>3,312.50</i>	2,046.04
	08 33 23	11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,686.37 <i>3,626.60</i>	2,310.51
	08 33 23	11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,577.78 <i>1,820.27</i>	1,290.43
	08 33 23	11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	4,867.27 <i>1,985.44</i>	1,331.98
	08 33 23	11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,518.28 <i>2,379.25</i>	1,407.55
	08 33 23	11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,244.84 <i>2,782.49</i>	1,520.89
	08 33 23	11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,977.61 <i>3,143.16</i>	1,672.01
	08 33 23	11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,785.93 <i>3,513.27</i>	1,860.92
	08 33 23	11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,669.83 <i>3,892.83</i>	2,087.60
	08 33 23	11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,704.83 <i>4,291.27</i>	2,389.85
08 33 23	11-0064	20 Gauge Galvanized Steel Overhead Coiling Doors <small>(08 33 23 11-0001)</small>				
				Note: With curtain hood (barrel cover)		
	08 33 23	11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	5,557.04 <i>2,289.59</i>	1,502.57
	08 33 23	11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,054.65 <i>2,568.34</i>	1,578.13
	08 33 23	11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,644.44 <i>2,916.23</i>	1,653.70
	08 33 23	11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,252.16 <i>3,230.35</i>	1,767.04
	08 33 23	11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,966.94 <i>3,577.52</i>	1,918.16
	08 33 23	11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,681.13 <i>3,924.25</i>	2,069.29
	08 33 23	11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	10,093.40 <i>4,747.33</i>	2,258.20
	08 33 23	11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,581.23 <i>5,579.84</i>	2,484.88
	08 33 23	11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	6,647.36 <i>2,825.58</i>	1,727.96
	08 33 23	11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,206.96 <i>3,150.82</i>	1,803.52
	08 33 23	11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,710.50 <i>3,434.02</i>	1,879.08
	08 33 23	11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,305.81 <i>3,738.82</i>	1,992.42
	08 33 23	11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,023.39 <i>4,088.11</i>	2,143.55
	08 33 23	11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,829.27 <i>4,503.61</i>	2,294.68
	08 33 23	11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	11,026.05 <i>5,165.06</i>	2,483.58
	08 33 23	11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	12,306.90 <i>5,842.34</i>	2,710.27
	08 33 23	11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,229.76 <i>2,992.33</i>	1,943.96
	08 33 23	11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	7,735.55 <i>3,277.23</i>	2,019.53
	08 33 23	11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	8,538.38 <i>3,737.67</i>	2,132.86
	08 33 23	11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	9,308.23 <i>4,126.15</i>	2,283.99
	08 33 23	11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 3/4" Insulated Slats, Add</i>	10,158.00 <i>4,527.34</i>	2,472.90

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,083.89 4,938.40	2,699.58
08 33 23	11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,589.90 5,737.33	2,964.05
08 33 23	11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,197.32 6,565.07	3,266.30
08 33 23	11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,271.92 3,409.46	2,235.56
08 33 23	11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,194.23 4,006.74	2,311.11
08 33 23	11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,472.77 4,437.93	2,733.34
08 33 23	11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,475.88 5,048.59	2,846.69
08 33 23	11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,690.82 5,770.89	2,997.81
08 33 23	11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,035.11 6,590.20	3,148.94
08 33 23	11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,461.05 7,423.53	3,337.85
08 33 23	11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	16,983.96 8,282.35	3,564.53
08 33 23	11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,168.81 3,568.59	2,646.45
08 33 23	11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,219.34 4,214.81	2,759.80
08 33 23	11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,684.50 5,005.00	3,006.67
08 33 23	11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,969.89 5,827.37	3,120.01
08 33 23	11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,334.90 6,662.22	3,271.14
08 33 23	11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,828.80 7,593.74	3,422.26
08 33 23	11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	17,402.50 8,537.88	3,611.17
08 33 23	11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	19,043.18 9,485.03	3,837.85
08 33 23	11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,102.41 3,937.92	2,911.08
08 33 23	11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,816.71 4,379.19	2,986.64
08 33 23	11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,310.74 5,405.26	3,062.21
08 33 23	11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	13,736.77 6,333.10	3,175.54
08 33 23	11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,185.57 7,230.80	3,326.68
08 33 23	11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	16,762.29 8,224.43	3,477.80
08 33 23	11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	18,690.40 9,410.77	3,685.59
08 33 23	11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	20,661.67 10,629.48	3,893.39
08 33 23	11-0113		18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23	11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	6,090.04 2,595.46	1,577.74
08 33 23	11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	6,647.20 2,914.14	1,657.08
08 33 23	11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,310.33 3,312.32	1,736.42
08 33 23	11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,986.55 3,670.72	1,855.36
08 33 23	11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,778.31 4,066.19	2,014.03
08 33 23	11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,569.41 4,461.16	2,172.72
08 33 23	11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,155.74 5,402.97	2,371.14
08 33 23	11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,821.41 6,354.70	2,609.17
08 33 23	11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,298.82 3,206.20	1,814.40
08 33 23	11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,927.24 3,578.35	1,893.74
08 33 23	11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,491.19 3,902.14	1,973.09
08 33 23	11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,153.12 4,249.82	2,092.02
08 33 23	11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,948.13 4,647.72	2,250.70



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	11-0127	EA		16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,844.67	2,409.38
				<i>For 3/4" Insulated Slats, Add</i>	5,121.78	
08 33 23	11-0128	EA		16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,183.18	2,607.80
				<i>For 3/4" Insulated Slats, Add</i>	5,877.72	
08 33 23	11-0129	EA		16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,610.81	2,845.83
				<i>For 3/4" Insulated Slats, Add</i>	6,650.92	
08 33 23	11-0130	EA		18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,925.38	2,041.09
				<i>For 3/4" Insulated Slats, Add</i>	3,392.58	
08 33 23	11-0131	EA		18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,491.92	2,120.43
				<i>For 3/4" Insulated Slats, Add</i>	3,718.31	
08 33 23	11-0132	EA		18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,392.51	2,239.51
				<i>For 3/4" Insulated Slats, Add</i>	4,244.99	
08 33 23	11-0133	EA		18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,247.62	2,398.20
				<i>For 3/4" Insulated Slats, Add</i>	4,687.97	
08 33 23	11-0134	EA		18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,187.05	2,596.47
				<i>For 3/4" Insulated Slats, Add</i>	5,144.61	
08 33 23	11-0135	EA		18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,206.49	2,834.49
				<i>For 3/4" Insulated Slats, Add</i>	5,611.66	
08 33 23	11-0136	EA		18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,885.52	3,112.26
				<i>For 3/4" Insulated Slats, Add</i>	6,523.82	
08 33 23	11-0137	EA		18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,673.59	3,429.62
				<i>For 3/4" Insulated Slats, Add</i>	7,468.17	
08 33 23	11-0138	EA		20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,065.54	2,347.27
				<i>For 3/4" Insulated Slats, Add</i>	3,864.98	
08 33 23	11-0139	EA		20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,111.08	2,426.61
				<i>For 3/4" Insulated Slats, Add</i>	4,549.95	
08 33 23	11-0140	EA		20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,302.38	2,870.01
				<i>For 3/4" Insulated Slats, Add</i>	4,889.28	
08 33 23	11-0141	EA		20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,403.10	2,989.09
				<i>For 3/4" Insulated Slats, Add</i>	5,566.06	
08 33 23	11-0142	EA		20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,734.57	3,147.77
				<i>For 3/4" Insulated Slats, Add</i>	6,366.30	
08 33 23	11-0143	EA		20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,209.76	3,306.46
				<i>For 3/4" Insulated Slats, Add</i>	7,274.35	
08 33 23	11-0144	EA		20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,771.06	3,504.72
				<i>For 3/4" Insulated Slats, Add</i>	8,197.38	
08 33 23	11-0145	EA		20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,435.45	3,742.75
				<i>For 3/4" Insulated Slats, Add</i>	9,148.15	
08 33 23	11-0146	EA		22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,864.10	2,778.72
				<i>For 3/4" Insulated Slats, Add</i>	3,924.66	
08 33 23	11-0147	EA		22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,017.49	2,897.81
				<i>For 3/4" Insulated Slats, Add</i>	4,640.95	
08 33 23	11-0148	EA		22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,615.36	3,156.99
				<i>For 3/4" Insulated Slats, Add</i>	5,515.19	
08 33 23	11-0149	EA		22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,029.72	3,276.07
				<i>For 3/4" Insulated Slats, Add</i>	6,427.19	
08 33 23	11-0150	EA		22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,527.94	3,434.76
				<i>For 3/4" Insulated Slats, Add</i>	7,352.51	
08 33 23	11-0151	EA		22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,169.34	3,593.44
				<i>For 3/4" Insulated Slats, Add</i>	8,385.21	
08 33 23	11-0152	EA		22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,894.81	3,791.71
				<i>For 3/4" Insulated Slats, Add</i>	9,431.37	
08 33 23	11-0153	EA		22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,690.08	4,029.74
				<i>For 3/4" Insulated Slats, Add</i>	10,480.30	
08 33 23	11-0154	EA		24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,869.06	3,056.64
				<i>For 3/4" Insulated Slats, Add</i>	4,330.99	
08 33 23	11-0155	EA		24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,653.49	3,135.99
				<i>For 3/4" Insulated Slats, Add</i>	4,820.14	
08 33 23	11-0156	EA		24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,304.28	3,215.33
				<i>For 3/4" Insulated Slats, Add</i>	5,959.05	
08 33 23	11-0157	EA		24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,874.90	3,334.26
				<i>For 3/4" Insulated Slats, Add</i>	6,988.26	
08 33 23	11-0158	EA		24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,466.22	3,492.94
				<i>For 3/4" Insulated Slats, Add</i>	7,983.40	
08 33 23	11-0159	EA		24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,199.65	3,651.62
				<i>For 3/4" Insulated Slats, Add</i>	9,085.12	
08 33 23	11-0160	EA		24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,316.67	3,869.84
				<i>For 3/4" Insulated Slats, Add</i>	10,400.10	
08 33 23	11-0161	EA		24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,481.50	4,088.07
				<i>For 3/4" Insulated Slats, Add</i>	11,751.04	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0162)

08 33 23	11-0164	EA		4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,937.02	860.28
08 33 23	11-0165	EA		4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,151.94	908.08
08 33 23	11-0166	EA		4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,672.50	945.86
08 33 23	11-0167	EA		6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,584.14	1,003.66
08 33 23	11-0168	EA		6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,922.83	1,099.25
08 33 23	11-0169	EA		6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,146.00	1,137.03

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 11-0170	EA	6' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,413.41	1,174.81
08 33 23 11-0171	EA	6' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,721.81	1,231.49
08 33 23 11-0172	EA	8' x 8', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	3,909.51	1,075.34
08 33 23 11-0173	EA	8' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,252.64	1,147.04
08 33 23 11-0174	EA	8' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,551.13	1,194.83
08 33 23 11-0175	EA	8' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,818.76	1,232.61
08 33 23 11-0176	EA	8' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	5,125.21	1,289.29
08 33 23 11-0177	EA	10' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,662.30	1,242.62
08 33 23 11-0178	EA	10' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,956.19	1,290.43
08 33 23 11-0179	EA	10' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	5,351.81	1,365.98
08 33 23 11-0180	EA	10' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	5,824.36	1,479.33
08 33 23 11-0181	EA	10' x 18', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	6,547.02	1,630.45
08 33 23 11-0182	EA	10' x 20', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	7,345.15	1,819.36
08 33 23 11-0183	EA	10' x 22', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	8,214.84	2,046.04
08 33 23 11-0184	EA	10' x 24', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	9,161.26	2,310.51
08 33 23 11-0185	EA	12' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	4,951.21	1,290.43
08 33 23 11-0186	EA	12' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	5,513.15	1,331.98
08 33 23 11-0187	EA	12' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	6,037.43	1,407.55
08 33 23 11-0188	EA	12' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	6,639.53	1,520.89
08 33 23 11-0189	EA	12' x 18', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	7,450.31	1,672.01
08 33 23 11-0190	EA	12' x 20', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	8,338.57	1,860.92
08 33 23 11-0191	EA	12' x 22', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	9,021.48	2,087.60
08 33 23 11-0192	EA	12' x 24', 0.04"	Aluminum Overhead Coiling Door, Chain Lift	9,858.11	2,389.85

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0162)

08 33 23 11-0194	EA	14' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	5,669.38	1,502.57
08 33 23 11-0195	EA	14' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	6,353.35	1,578.13
08 33 23 11-0196	EA	14' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	7,024.74	1,653.70
08 33 23 11-0197	EA	14' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	7,721.20	1,767.04
08 33 23 11-0198	EA	14' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	8,534.26	1,918.16
08 33 23 11-0199	EA	14' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	9,347.27	2,069.29
08 33 23 11-0200	EA	14' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	10,246.90	2,258.20
08 33 23 11-0201	EA	14' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	11,222.21	2,484.88
08 33 23 11-0202	EA	16' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	6,601.02	1,727.96
08 33 23 11-0203	EA	16' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	7,314.96	1,803.52
08 33 23 11-0204	EA	16' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	8,000.51	1,879.08
08 33 23 11-0205	EA	16' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	8,782.13	1,992.42
08 33 23 11-0206	EA	16' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	9,696.06	2,143.55
08 33 23 11-0207	EA	16' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	10,657.27	2,294.68
08 33 23 11-0208	EA	16' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	11,656.19	2,483.58
08 33 23 11-0209	EA	16' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	12,681.84	2,710.27
08 33 23 11-0210	EA	18' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	7,381.49	1,943.96
08 33 23 11-0211	EA	18' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	8,144.29	2,019.53
08 33 23 11-0212	EA	18' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	8,954.20	2,132.86
08 33 23 11-0213	EA	18' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	9,807.42	2,283.99
08 33 23 11-0214	EA	18' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	10,706.28	2,472.90
08 33 23 11-0215	EA	18' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	11,644.41	2,699.58
08 33 23 11-0216	EA	18' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	12,618.50	2,964.05
08 33 23 11-0217	EA	18' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	13,630.47	3,266.30
08 33 23 11-0218	EA	20' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	8,437.63	2,235.56
08 33 23 11-0219	EA	20' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	9,214.62	2,311.11
08 33 23 11-0220	EA	20' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	10,034.51	2,424.46
08 33 23 11-0221	EA	20' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	10,907.77	2,575.58
08 33 23 11-0222	EA	20' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	11,825.05	2,764.49
08 33 23 11-0223	EA	20' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	12,788.66	2,991.18
08 33 23 11-0224	EA	20' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	13,797.69	3,255.65
08 33 23 11-0225	EA	20' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	14,843.41	3,557.89
08 33 23 11-0226	EA	22' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	9,963.98	2,646.45
08 33 23 11-0227	EA	22' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	10,991.52	2,759.80
08 33 23 11-0228	EA	22' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	12,059.78	3,006.67
08 33 23 11-0229	EA	22' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	13,170.31	3,120.01
08 33 23 11-0230	EA	22' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	14,314.87	3,271.14
08 33 23 11-0231	EA	22' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	15,492.44	3,422.26
08 33 23 11-0232	EA	22' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	16,711.67	3,611.17
08 33 23 11-0233	EA	22' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	17,972.34	3,837.85
08 33 23 11-0234	EA	24' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	10,980.49	2,911.08
08 33 23 11-0235	EA	24' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	11,612.44	2,986.64
08 33 23 11-0236	EA	24' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	12,284.00	3,062.21
08 33 23 11-0237	EA	24' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	13,000.31	3,175.54
08 33 23 11-0238	EA	24' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	13,758.56	3,326.68
08 33 23 11-0239	EA	24' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	14,554.34	3,477.80
08 33 23 11-0240	EA	24' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	15,390.59	3,666.70
08 33 23 11-0241	EA	24' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift	16,268.74	3,893.39

08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.44	1.59
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	34.48	1.92
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	32.89	1.92
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	308.11	79.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0247 EA Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,873.92	255.22
08 33 23 11-0248 EA Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,360.28	255.22
08 33 23 11-0249 EA >12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,217.47	287.11
08 33 23 11-0250 EA >12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,616.79	287.11
08 33 23 11-0251 EA >18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,852.84	319.02
08 33 23 11-0252 EA >18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,095.09	319.02
08 33 23 11-0253 LF Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	86.50	
08 33 23 11-0254 EA Remote Transmitter Kit For Coiling Door Operators	408.03	127.61
08 33 23 11-0255 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11) Note: Includes storage, cleaning and supply materials.		
08 33 23 11-0256 SF Removal And Reinstallation Of Metal Roll-up Door And Supports	27.17	
08 33 23 13 Overhead Rapid Coiling Doors (08 33 23) Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1034 for forklift.		
08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13) Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)		
08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0004 EA 5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,078.61	467.05
08 33 23 13-0005 EA 5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,353.65	488.74
08 33 23 13-0006 EA 5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,626.89	510.43
08 33 23 13-0007 EA 5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,898.32	532.13
08 33 23 13-0008 EA 5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,173.36	553.82
08 33 23 13-0009 EA 5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,446.59	575.51
08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0011 EA 6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,353.65	488.74
08 33 23 13-0012 EA 6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,626.89	510.43
08 33 23 13-0013 EA 6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,898.32	532.13
08 33 23 13-0014 EA 6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,173.36	553.82
08 33 23 13-0015 EA 6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,446.59	575.51
08 33 23 13-0016 EA 6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,719.83	597.21
08 33 23 13-0017 7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0018 EA 7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,626.89	510.43
08 33 23 13-0019 EA 7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,898.32	532.13
08 33 23 13-0020 EA 7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,173.36	553.82
08 33 23 13-0021 EA 7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,446.59	575.51
08 33 23 13-0022 EA 7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,719.83	597.21
08 33 23 13-0023 EA 7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,994.87	618.90
08 33 23 13-0024 8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0025 EA 8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,898.32	532.13
08 33 23 13-0026 EA 8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,173.36	553.82
08 33 23 13-0027 EA 8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,446.59	575.51
08 33 23 13-0028 EA 8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,719.83	597.21
08 33 23 13-0029 EA 8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,994.87	618.90
08 33 23 13-0030 EA 8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,266.32	640.59
08 33 23 13-0031 9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0032 EA 9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,173.36	553.82
08 33 23 13-0033 EA 9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,446.59	575.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0034 EA 9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,719.83	597.21
08 33 23 13-0035 EA 9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,994.87	618.90
08 33 23 13-0036 EA 9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,266.32	640.59
08 33 23 13-0037 EA 9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,541.35	662.29
08 33 23 13-0038 10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0039 EA 10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,446.59	575.51
08 33 23 13-0040 EA 10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,719.83	597.21
08 33 23 13-0041 EA 10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,994.87	618.90
08 33 23 13-0042 EA 10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,266.32	640.59
08 33 23 13-0043 EA 10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,541.35	662.29
08 33 23 13-0044 EA 10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,814.59	683.98
08 33 23 13-0045 Rytec® Bantam® Door Options (08 33 23 13-0001)		
08 33 23 13-0046 SF Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	11.22	
08 33 23 13-0047 SF Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	24.69	
08 33 23 13-0048 LF 31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	35.91	
08 33 23 13-0049 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	341.19	
08 33 23 13-0050 EA Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	666.33	63.81
08 33 23 13-0051 EA Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	666.33	63.81
08 33 23 13-0052 EA Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	2,814.12	127.61
08 33 23 13-0053 EA Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	361.05	63.81
08 33 23 13-0054 EA Auto Close Feature For Rytec® Bantam® Motor Operator	352.07	63.81
08 33 23 13-0055 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055) Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)		
08 33 23 13-0057 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0058 EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,459.77	510.43
08 33 23 13-0059 EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,712.65	532.13
08 33 23 13-0060 EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,003.79	553.82
08 33 23 13-0061 EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,407.97	575.51
08 33 23 13-0062 EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,820.48	597.21
08 33 23 13-0063 EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,512.33	618.90
08 33 23 13-0064 EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,004.65	640.59
08 33 23 13-0065 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0066 EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,767.52	532.13
08 33 23 13-0067 EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,088.58	553.82
08 33 23 13-0068 EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,491.11	575.51
08 33 23 13-0069 EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,916.92	597.21
08 33 23 13-0070 EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,477.41	618.90
08 33 23 13-0071 EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,152.63	640.59
08 33 23 13-0072 EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,686.50	662.29
08 33 23 13-0073 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0074 EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,141.79	553.82
08 33 23 13-0075 EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,542.65	575.51
08 33 23 13-0076 EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,985.09	597.21
08 33 23 13-0077 EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,562.21	618.90
08 33 23 13-0078 EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,082.79	640.59
08 33 23 13-0079 EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,817.86	662.29
08 33 23 13-0080 EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,421.58	683.98
08 33 23 13-0081 9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0082 EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,597.52	575.51
08 33 23 13-0083 EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,036.63	597.21
08 33 23 13-0084 EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,613.75	618.90
08 33 23 13-0085 EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,150.96	640.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0086 EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,714.77	662.29
08 33 23 13-0087 EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,300.20	683.98
08 33 23 13-0088 EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,942.15	705.68
08 33 23 13-0089 10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0090 EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,079.86	597.21
08 33 23 13-0091 EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,668.62	618.90
08 33 23 13-0092 EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,200.85	640.59
08 33 23 13-0093 EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,769.64	662.29
08 33 23 13-0094 EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,399.96	683.98
08 33 23 13-0095 EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,529.80	705.68
08 33 23 13-0096 EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,599.09	727.36
08 33 23 13-0097 11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0098 EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,700.21	618.90
08 33 23 13-0099 EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,245.74	640.59
08 33 23 13-0100 EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,821.18	662.29
08 33 23 13-0101 EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,453.17	683.98
08 33 23 13-0102 EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,868.99	705.68
08 33 23 13-0103 EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,688.88	727.36
08 33 23 13-0104 EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,360.76	749.06
08 33 23 13-0105 12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)		
08 33 23 13-0106 EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,260.70	640.59
08 33 23 13-0107 EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,851.11	662.29
08 33 23 13-0108 EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,494.74	683.98
08 33 23 13-0109 EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,925.53	705.68
08 33 23 13-0110 EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,491.02	727.36
08 33 23 13-0111 EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,437.24	749.06
08 33 23 13-0112 EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	22,095.83	770.76
08 33 23 13-0113 Rytec® PredaDoor® Door Options (08 33 23 13-0055)		
08 33 23 13-0114 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	795.60	127.61
08 33 23 13-0115 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	1,153.08	127.61
08 33 23 13-0116 SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	13.47	
08 33 23 13-0117 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
08 33 23 13-0119 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0120 EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,509.70	1,148.48
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0121 EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,574.07	1,181.01
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0122 EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,502.08	1,213.56
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0123 EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,499.94	1,246.09
For NEMA 4X Control Box, Add	675.00	
For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
For AC Variable Speed Motor And Controls, Add	2,750.00	
For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,630.82 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,278.64
08 33 23	13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,226.30 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,311.18
08 33 23	13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,154.32 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,343.71
08 33 23	13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,982.18 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,378.65
08 33 23	13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,298.32 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,414.49
08 33 23	13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,363.10 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,451.28
08 33 23	13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,681.20 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,489.01
08 33 23	13-0131		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,574.07 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,181.01
08 33 23	13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,502.08 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,213.56
08 33 23	13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,499.94 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,246.09
08 33 23	13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,630.82 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,278.64
08 33 23	13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,226.30 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,311.18
08 33 23	13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,154.32 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,343.71



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0138	EA		9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,350.04 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,376.26
08 33 23	13-0139	EA		9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,298.32 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,414.49
08 33 23	13-0140	EA		9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,363.10 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,451.28
08 33 23	13-0141	EA		9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,681.20 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,489.01
08 33 23	13-0142	EA		9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,250.87 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,527.72
08 33 23	13-0143			10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0144	EA		10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,502.08 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,213.56
08 33 23	13-0145	EA		10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,499.94 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,246.09
08 33 23	13-0146	EA		10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,630.82 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,278.64
08 33 23	13-0147	EA		10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,226.30 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,311.18
08 33 23	13-0148	EA		10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,154.32 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,343.71
08 33 23	13-0149	EA		10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,350.04 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,376.26
08 33 23	13-0150	EA		10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,479.25 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,408.79
08 33 23	13-0151	EA		10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,361.68 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,450.57

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,679.75 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,488.28
08 33 23	13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,249.38 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,526.98
08 33 23	13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,573.22 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,566.68
08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23	13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,499.94 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,246.09
08 33 23	13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,630.82 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,278.64
08 33 23	13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,226.30 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,311.18
08 33 23	13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,154.32 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,343.71
08 33 23	13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,350.04 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,376.26
08 33 23	13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,479.25 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,408.79
08 33 23	13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,741.47 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,441.34
08 33 23	13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,676.27 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,486.54
08 33 23	13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,245.81 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,525.19
08 33 23	13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,569.55 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,564.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,141.37 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,605.53
08 33 23	13-0167		12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,630.82 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,278.64
08 33 23	13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,226.30 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,311.18
08 33 23	13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,154.32 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,343.71
08 33 23	13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,350.04 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,376.26
08 33 23	13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,479.25 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,408.79
08 33 23	13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,741.47 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,441.34
08 33 23	13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,649.54 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,473.88
08 33 23	13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,240.46 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,522.51
08 33 23	13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,564.05 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,562.10
08 33 23	13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,135.74 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,602.71
08 33 23	13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,709.53 675.00 1,100.00 2,750.00 4,400.00 6,600.00	1,644.38

08 33 23 13-0179 **13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,911.33 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,311.18
08 33 23	13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,097.07 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,343.71
08 33 23	13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,221.29 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,376.26
08 33 23	13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,526.75 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,408.79
08 33 23	13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,827.22 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,441.34
08 33 23	13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,793.48 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,473.88
08 33 23	13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,528.63 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,506.41
08 33 23	13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,659.41 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,558.60
08 33 23	13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	38,232.70 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,599.12
08 33 23	13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	39,813.49 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,640.70
08 33 23	13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	41,206.09 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,683.35
08 33 23	13-0191		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,097.07 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,343.71
08 33 23	13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,221.29 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,376.26



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0194	EA		14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,526.75 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,408.79
08 33 23	13-0195	EA		14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,827.22 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,441.34
08 33 23	13-0196	EA		14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,793.48 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,473.88
08 33 23	13-0197	EA		14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,528.63 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,506.41
08 33 23	13-0198	EA		14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,619.60 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,538.96
08 33 23	13-0199	EA		14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	38,223.66 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,594.60
08 33 23	13-0200	EA		14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	39,804.21 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,636.07
08 33 23	13-0201	EA		14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	41,196.57 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,678.60
08 33 23	13-0202	EA		14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	44,223.45 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,722.24
08 33 23	13-0203			15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23	13-0204	EA		15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	31,156.75 675.00 1,100.00 2,750.00	1,343.71
08 33 23	13-0205	EA		15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	32,462.67 675.00 1,100.00 2,750.00	1,376.26
08 33 23	13-0206	EA		15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	33,763.20 675.00 1,100.00 2,750.00	1,408.79
08 33 23	13-0207	EA		15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	34,729.73 675.00 1,100.00 2,750.00	1,441.34
08 33 23	13-0208	EA		15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	35,464.61 675.00 1,100.00 2,750.00	1,473.88
08 33 23	13-0209	EA		15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	36,555.05 675.00 1,100.00 2,750.00	1,506.41
08 33 23	13-0210	EA		15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	38,183.17 675.00 1,100.00 2,750.00	1,574.35

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,794.64 675.00 1,100.00 2,750.00	1,631.27
08 33 23	13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,186.75 675.00 1,100.00 2,750.00	1,673.69
08 33 23	13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,213.37 675.00 1,100.00 2,750.00	1,717.21
08 33 23	13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,344.40 675.00 1,100.00 2,750.00	1,761.85
08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23	13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,522.64 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,406.24
08 33 23	13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	33,826.19 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,440.29
08 33 23	13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	34,795.75 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,474.34
08 33 23	13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,533.65 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,508.40
08 33 23	13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	36,627.12 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,542.45
08 33 23	13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	38,187.47 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,576.51
08 33 23	13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	39,753.21 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,610.57
08 33 23	13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	41,176.96 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,668.80
08 33 23	13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	44,203.33 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,712.18
08 33 23	13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	46,334.10 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,756.71
08 33 23	13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	48,477.96 675.00 1,100.00 2,750.00 6,070.00 7,790.00	1,802.38



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,704.25	1,438.58
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,793.89	1,473.42
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,111.60	1,508.25
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,558.58	1,543.10
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,887.06	1,577.93
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,860.19	1,612.77
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,761.50	1,647.60
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,193.32	1,707.18
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,323.83	1,751.57
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	48,467.41	1,797.11
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	50,546.94	1,843.83
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,138.77	1,471.67
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,576.58	1,507.30
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,141.90	1,542.94
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,701.82	1,578.59
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,328.20	1,614.22
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	43,636.94 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,649.86
08 33 23	13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	46,010.32 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,685.50
08 33 23	13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	47,184.51 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,746.44
08 33 23	13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	48,456.91 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,791.85
08 33 23	13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	50,476.89 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,838.44
08 33 23	13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	52,562.14 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,886.24
08 33 23	13-0251		19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23	13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	36,573.00 675.00 1,100.00 2,750.00	1,505.52
08 33 23	13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	38,139.96 675.00 1,100.00 2,750.00	1,541.98
08 33 23	13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,701.52 675.00 1,100.00 2,750.00	1,578.43
08 33 23	13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,329.53 675.00 1,100.00 2,750.00	1,614.89
08 33 23	13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	43,639.92 675.00 1,100.00 2,750.00	1,651.35
08 33 23	13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,014.95 675.00 1,100.00 2,750.00	1,687.80
08 33 23	13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	47,140.16 675.00 1,100.00 2,750.00	1,724.26
08 33 23	13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,446.42 675.00 1,100.00 2,750.00	1,786.62
08 33 23	13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	50,466.14 675.00 1,100.00 2,750.00	1,833.07
08 33 23	13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	52,551.10 675.00 1,100.00 2,750.00	1,880.73
08 33 23	13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,638.57 675.00 1,100.00 2,750.00	1,929.62



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0263		20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
	08 33 23	13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,136.30	1,540.14
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,699.54	1,577.44
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,329.23	1,614.73
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	43,641.29	1,652.03
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,017.99	1,689.33
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,144.88	1,726.62
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	48,401.05	1,763.92
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	50,455.42	1,827.71
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	52,540.11	1,875.23
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	54,627.29	1,923.98
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	56,465.58	1,974.00
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0275		21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
	08 33 23	13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,654.40	1,651.88
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,968.17	1,690.03
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	52,344.80	1,728.19
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	53,476.99	1,766.34
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	54,733.09	1,804.50
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	56,790.39	1,869.74
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	58,877.27	1,918.36
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
	08 33 23	13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	60,966.68	1,968.23
				<i>For NEMA 4X Control Box, Add</i>	675.00	
				<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
				<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

08	Openings
08 30	Specialty Doors and Frames
08 33	Coiling Doors and Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	62,807.28 675.00 1,100.00 2,750.00	2,019.41
08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23	13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,468.63 675.00 1,100.00 2,750.00	1,689.87
08 33 23	13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	51,785.96 675.00 1,100.00 2,750.00	1,728.90
08 33 23	13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,162.54 675.00 1,100.00 2,750.00	1,767.94
08 33 23	13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	55,294.70 675.00 1,100.00 2,750.00	1,806.97
08 33 23	13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	56,556.15 675.00 1,100.00 2,750.00	1,845.99
08 33 23	13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	58,616.44 675.00 1,100.00 2,750.00	1,912.75
08 33 23	13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	60,705.56 675.00 1,100.00 2,750.00	1,962.48
08 33 23	13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	62,795.47 675.00 1,100.00 2,750.00	2,013.50
08 33 23	13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	64,640.23 675.00 1,100.00 2,750.00	2,065.85
08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23	13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	51,286.42 675.00 1,100.00 2,750.00	1,728.73
08 33 23	13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	53,603.75 675.00 1,100.00 2,750.00	1,768.66
08 33 23	13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	55,983.92 675.00 1,100.00 2,750.00	1,808.59
08 33 23	13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	57,117.87 675.00 1,100.00 2,750.00	1,848.53
08 33 23	13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	58,379.31 675.00 1,100.00 2,750.00	1,888.46
08 33 23	13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	60,444.48 675.00 1,100.00 2,750.00	1,956.74
08 33 23	13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	62,534.09 675.00 1,100.00 2,750.00	2,007.61
08 33 23	13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	64,628.14 675.00 1,100.00 2,750.00	2,059.82
08 33 23	13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	66,475.31 675.00 1,100.00 2,750.00	2,113.37



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23	13-0305	24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>	
08 33 23	13-0306	EA 24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	53,104.20
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0307	EA 24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	55,423.36
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0308	EA 24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	57,807.16
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0309	EA 24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	58,942.95
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0310	EA 24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	60,204.44
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0311	EA 24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	62,270.95
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0312	EA 24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	64,364.70
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0313	EA 24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	66,462.95
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0314	EA 24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	68,308.98
		For NEMA 4X Control Box, Add	675.00
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00
		For AC Variable Speed Motor And Controls, Add	2,750.00
08 33 23	13-0315	Rytec® Fast-Seal® Door Options <small>(08 33 23 13-0117)</small>	
08 33 23	13-0316	LF Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors	49.88
		Note: Multiply linear foot price x width of door.	
08 33 23	13-0317	EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	540.38
08 33 23	13-0318	EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	897.86
08 33 23	13-0319	EA >15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	1,320.38
08 33 23	13-0320	EA >20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	1,975.29
08 33 23	13-0321	EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	315.91
08 33 23	13-0322	EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	623.51
		Note: Door must be at least 90" wide.	
08 33 23	13-0323	EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	789.78
		Note: Door must be at least 102" wide.	
08 33 23	13-0324	EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,247.03
		Note: Door must be at least 136" wide.	
08 33 23	13-0325	EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	365.79
08 33 23	13-0326	EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	723.28
		Note: Door must be at least 108" wide.	
08 33 23	13-0327	EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	897.86
		Note: Door must be at least 144" wide.	
08 33 23	13-0328	EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,446.55
		Note: Door must be at least 192" wide.	
08 33 23	13-0329	EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'.....	752.35
		For 304 Stainless Steel, Add	120.38
		For 316 Stainless Steel, Add	526.65
08 33 23	13-0330	EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'.....	978.06
		For 304 Stainless Steel, Add	156.49
		For 316 Stainless Steel, Add	684.64
08 33 23	13-0331	EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'.....	1,279.00
		For 304 Stainless Steel, Add	204.64
		For 316 Stainless Steel, Add	895.30
08 33 23	13-0332	EA Through Wall Brake Release	185.83
08 33 23	13-0333	EA Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	21,592.44
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	-6,200.00



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0334		High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13)</small>		
		Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
08 33 23 13-0335		High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0334)</small>		
08 33 23 13-0336		8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,028.44	1,148.48
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,305.42	1,181.01
08 33 23 13-0339	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,792.48	1,213.56
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,279.56	1,246.09
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,768.43	1,278.64
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,255.51	1,311.18
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,530.69	1,343.71
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,024.35	1,378.65
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,940.03	1,414.50
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,225.48	1,451.28
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,934.82	1,489.01
08 33 23 13-0348		9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,305.42	1,181.01
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,580.58	1,213.56
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,069.46	1,246.09
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,768.43	1,278.64
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,043.61	1,311.18
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,530.69	1,343.71
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,019.55	1,376.26
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,518.04	1,414.50
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,647.47	1,451.28
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,780.60	1,489.01
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,913.92	1,527.73
08 33 23 13-0360		10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,848.36	1,213.56
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,125.35	1,246.09
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,612.42	1,278.64
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,311.39	1,311.18
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,798.46	1,343.71
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,287.33	1,376.26
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,774.41	1,408.79
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,491.84	1,450.56
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,411.25	1,488.28
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,756.42	1,526.97
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,893.51	1,566.67
08 33 23 13-0372		11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,913.45	1,246.09
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,400.53	1,278.64
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,889.39	1,311.18
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,588.36	1,343.71
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,075.44	1,376.26
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,562.51	1,408.79
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,685.27	1,441.34
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,041.66	1,486.53
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,386.75	1,525.18
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,733.82	1,564.84
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,871.08	1,605.53
08 33 23 13-0384		12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,190.43	1,278.64
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,677.50	1,311.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,164.57	1,343.71
08 33 23	13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,863.54	1,376.26
08 33 23	13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,562.51	1,408.79
08 33 23	13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,895.37	1,441.34
08 33 23	13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,228.22	1,473.88
08 33 23	13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,593.28	1,522.52
08 33 23	13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,150.32	1,562.11
08 33 23	13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,499.33	1,602.70
08 33 23	13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,850.45	1,644.38
08 33 23 13-0396 13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23	13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,677.50	1,311.18
08 33 23	13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,954.47	1,343.71
08 33 23	13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,441.55	1,376.26
08 33 23	13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,352.41	1,408.79
08 33 23	13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,261.48	1,441.34
08 33 23	13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,440.12	1,473.88
08 33 23	13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,772.98	1,506.41
08 33 23	13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,355.22	1,558.60
08 33 23	13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,915.93	1,599.12
08 33 23	13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,476.97	1,640.70
08 33 23	13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,830.07	1,683.35
08 33 23 13-0408 14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23	13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,954.47	1,343.71
08 33 23	13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,229.65	1,376.26
08 33 23	13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,928.62	1,408.79
08 33 23	13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,261.48	1,441.34
08 33 23	13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,228.22	1,473.88
08 33 23	13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,772.98	1,506.41
08 33 23	13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,527.83	1,538.96
08 33 23	13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,116.99	1,594.60
08 33 23	13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,679.59	1,636.07
08 33 23	13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,242.53	1,678.60
08 33 23	13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,021.39	1,722.23
08 33 23 13-0420 15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23	13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,284.07	1,374.62
08 33 23	13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,772.64	1,407.91
08 33 23	13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,473.09	1,441.19
08 33 23	13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,383.66	1,474.49
08 33 23	13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,563.80	1,507.78
08 33 23	13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,320.14	1,541.06
08 33 23	13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,076.50	1,574.36
08 33 23	13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,670.03	1,631.28
08 33 23	13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,444.62	1,673.69
08 33 23	13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,221.42	1,717.21
08 33 23	13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,000.49	1,761.85
08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23	13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,557.40	1,406.24
08 33 23	13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,259.38	1,440.29
08 33 23	13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,961.40	1,474.34
08 33 23	13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,719.27	1,508.39
08 33 23	13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,111.03	1,542.45
08 33 23	13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,870.69	1,576.51
08 33 23	13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,628.60	1,610.56
08 33 23	13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,434.83	1,668.80
08 33 23	13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,211.38	1,712.18
08 33 23	13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,990.18	1,756.71
08 33 23	13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,983.20	1,802.38
08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23	13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,045.87	1,438.58
08 33 23	13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,537.53	1,473.42
08 33 23	13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,296.97	1,508.25
08 33 23	13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,056.43	1,543.09
08 33 23	13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,449.75	1,577.93
08 33 23	13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,421.10	1,612.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0451	EA		17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,180.55	1,647.60
08 33 23 13-0452	EA		17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,201.38	1,707.18
08 33 23 13-0453	EA		17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,979.91	1,751.56
08 33 23 13-0454	EA		17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,972.65	1,797.11
08 33 23 13-0455	EA		17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,967.77	1,843.83
08 33 23 13-0456			18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0457	EA		18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,534.04	1,471.67
08 33 23 13-0458	EA		18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,027.31	1,507.31
08 33 23 13-0459	EA		18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,422.25	1,542.95
08 33 23 13-0460	EA		18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,395.19	1,578.58
08 33 23 13-0461	EA		18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,790.13	1,614.22
08 33 23 13-0462	EA		18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,763.07	1,649.86
08 33 23 13-0463	EA		18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,947.91	1,685.50
08 33 23 13-0464	EA		18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,969.68	1,746.44
08 33 23 13-0465	EA		18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,962.14	1,791.85
08 33 23 13-0466	EA		18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,956.99	1,838.43
08 33 23 13-0467	EA		18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,954.25	1,886.24
08 33 23 13-0468			19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0469	EA		19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,445.72	1,505.51
08 33 23 13-0470	EA		19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,152.53	1,541.98
08 33 23 13-0471	EA		19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,760.99	1,578.43
08 33 23 13-0472	EA		19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,735.58	1,614.89
08 33 23 13-0473	EA		19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,344.05	1,651.35
08 33 23 13-0474	EA		19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,318.64	1,687.81
08 33 23 13-0475	EA		19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,503.32	1,724.27
08 33 23 13-0476	EA		19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,529.67	1,786.62
08 33 23 13-0477	EA		19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,734.34	1,833.07
08 33 23 13-0478	EA		19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,731.32	1,880.73
08 33 23 13-0479	EA		19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,942.69	1,929.63
08 33 23 13-0480			20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0481	EA		20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,782.76	1,540.14
08 33 23 13-0482	EA		20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,491.24	1,577.45
08 33 23 13-0483	EA		20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,889.50	1,614.74
08 33 23 13-0484	EA		20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,077.65	1,652.03
08 33 23 13-0485	EA		20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,687.78	1,689.33
08 33 23 13-0486	EA		20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,874.16	1,726.62
08 33 23 13-0487	EA		20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,062.30	1,763.93
08 33 23 13-0488	EA		20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,301.64	1,827.71
08 33 23 13-0489	EA		20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,510.22	1,875.23
08 33 23 13-0490	EA		20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,719.51	1,923.98
08 33 23 13-0491	EA		20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	59,931.32	1,974.01
08 33 23 13-0492			21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0493	EA		21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,065.49	1,575.57
08 33 23 13-0494	EA		21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,043.47	1,613.72
08 33 23 13-0495	EA		21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,021.44	1,651.88
08 33 23 13-0496	EA		21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,421.41	1,690.03
08 33 23 13-0497	EA		21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,033.28	1,728.19
08 33 23 13-0498	EA		21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,433.25	1,766.34
08 33 23 13-0499	EA		21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,621.33	1,804.50
08 33 23 13-0500	EA		21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,075.48	1,869.74
08 33 23 13-0501	EA		21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,286.25	1,918.36
08 33 23 13-0502	EA		21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	59,497.78	1,968.23
08 33 23 13-0503	EA		21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	61,923.78	2,019.40
08 33 23 13-0504			22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0505	EA		22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,559.97	1,611.81
08 33 23 13-0506	EA		22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,327.80	1,650.84
08 33 23 13-0507	EA		22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,365.21	1,689.86
08 33 23 13-0508	EA		22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,766.93	1,728.90
08 33 23 13-0509	EA		22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,590.65	1,767.94
08 33 23 13-0510	EA		22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,992.37	1,806.97
08 33 23 13-0511	EA		22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	54,184.00	1,845.99
08 33 23 13-0512	EA		22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	56,641.15	1,912.75
08 33 23 13-0513	EA		22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	59,064.27	1,962.48
08 33 23 13-0514	EA		22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	61,489.97	2,013.51



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0515	EA			22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	63,918.34	2,065.85
08 33 23 13-0516				23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0517	EA			23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,113.78	1,648.88
08 33 23 13-0518	EA			23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,671.51	1,688.80
08 33 23 13-0519	EA			23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,498.82	1,728.73
08 33 23 13-0520	EA			23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,114.24	1,768.66
08 33 23 13-0521	EA			23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,939.76	1,808.59
08 33 23 13-0522	EA			23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,343.27	1,848.52
08 33 23 13-0523	EA			23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,958.68	1,888.46
08 33 23 13-0524	EA			23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,418.91	1,956.74
08 33 23 13-0525	EA			23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,844.32	2,007.61
08 33 23 13-0526	EA			23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	63,484.28	2,059.82
08 33 23 13-0527	EA			23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	65,915.04	2,113.37
08 33 23 13-0528				24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		
08 33 23 13-0529	EA			24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,457.42	1,686.80
08 33 23 13-0530	EA			24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,594.99	1,727.65
08 33 23 13-0531	EA			24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,846.12	1,768.49
08 33 23 13-0532	EA			24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,251.48	1,809.34
08 33 23 13-0533	EA			24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,290.72	1,850.19
08 33 23 13-0534	EA			24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	54,907.97	1,891.04
08 33 23 13-0535	EA			24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,523.44	1,931.89
08 33 23 13-0536	EA			24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,198.69	2,001.74
08 33 23 13-0537	EA			24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	62,626.44	2,053.79
08 33 23 13-0538	EA			24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	65,268.80	2,107.18
08 33 23 13-0539	EA			24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	67,913.93	2,161.98
08 33 23 13-0540				Rytec® Powerhouse™ Door Options <small>(08 33 23 13-0334)</small>		
08 33 23 13-0541	EA			Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,747.45	
08 33 23 13-0542	EA			9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,801.32	
08 33 23 13-0543	EA			10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,855.19	
08 33 23 13-0544	EA			11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,909.06	
08 33 23 13-0545	EA			12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,962.94	
08 33 23 13-0546	EA			13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,016.81	
08 33 23 13-0547	EA			14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,070.68	
08 33 23 13-0548	EA			15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,124.55	
08 33 23 13-0549	EA			16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,178.42	
08 33 23 13-0550	EA			17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,232.29	
08 33 23 13-0551	EA			18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,286.16	
08 33 23 13-0552	EA			19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,340.04	
08 33 23 13-0553	EA			20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,393.91	
08 33 23 13-0554	EA			21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,447.78	
08 33 23 13-0555	EA			22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,501.65	
08 33 23 13-0556	EA			23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,555.52	
08 33 23 13-0557	EA			24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,609.39	
08 33 23 13-0558	EA			11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	628.50	
08 33 23 13-0559	EA			208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,544.32	
				Note: Includes System 4 Controller In NEMA 4 Enclosure		
08 33 23 13-0560				Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 23 13)</small>		
				Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0561				Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 23 13-0560)</small>		
08 33 23 13-0562				8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23 13-0563	EA			8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,448.48	1,531.30
08 33 23 13-0564	EA			8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,413.08	1,563.84
08 33 23 13-0565	EA			8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,377.67	1,596.38
08 33 23 13-0566	EA			8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,343.95	1,628.92
08 33 23 13-0567	EA			8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,308.55	1,661.46
08 33 23 13-0568	EA			8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,273.15	1,694.00
08 33 23 13-0569	EA			8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,035.13	1,726.54
08 33 23 13-0570	EA			8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,995.40	1,761.07
08 33 23 13-0571	EA			8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,956.52	1,796.29
08 33 23 13-0572	EA			8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,919.05	1,832.21
08 33 23 13-0573	EA			8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,883.01	1,868.86



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0574	9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0575	EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,413.08	1,563.84
08 33 23 13-0576	EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,377.67	1,596.38
08 33 23 13-0577	EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,343.95	1,628.92
08 33 23 13-0578	EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,308.55	1,661.46
08 33 23 13-0579	EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,273.15	1,694.00
08 33 23 13-0580	EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,237.75	1,726.54
08 33 23 13-0581	EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,999.73	1,759.08
08 33 23 13-0582	EA 9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,946.61	1,794.27
08 33 23 13-0583	EA 9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,925.68	1,830.14
08 33 23 13-0584	EA 9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,889.56	1,866.75
08 33 23 13-0585	EA 9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,854.92	1,904.08
08 33 23 13-0586	10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0587	EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,377.67	1,596.38
08 33 23 13-0588	EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,343.95	1,628.92
08 33 23 13-0589	EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,308.55	1,661.46
08 33 23 13-0590	EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,273.15	1,694.00
08 33 23 13-0591	EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,237.75	1,726.54
08 33 23 13-0592	EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,202.34	1,759.08
08 33 23 13-0593	EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,964.34	1,791.62
08 33 23 13-0594	EA 10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,927.47	1,827.46
08 33 23 13-0595	EA 10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,891.25	1,864.00
08 33 23 13-0596	EA 10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,856.48	1,901.28
08 33 23 13-0597	EA 10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,823.21	1,939.30
08 33 23 13-0598	11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0599	EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,343.95	1,628.92
08 33 23 13-0600	EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,308.55	1,661.46
08 33 23 13-0601	EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,273.15	1,694.00
08 33 23 13-0602	EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,237.75	1,726.54
08 33 23 13-0603	EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,202.34	1,759.08
08 33 23 13-0604	EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,166.96	1,791.62
08 33 23 13-0605	EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,927.28	1,824.16
08 33 23 13-0606	EA 11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,893.52	1,860.65
08 33 23 13-0607	EA 11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,858.60	1,897.85
08 33 23 13-0608	EA 11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,825.20	1,935.81
08 33 23 13-0609	EA 11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,793.30	1,974.53
08 33 23 13-0610	12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0611	EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,308.55	1,661.46
08 33 23 13-0612	EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,273.15	1,694.00
08 33 23 13-0613	EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,237.75	1,726.54
08 33 23 13-0614	EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,202.34	1,759.08
08 33 23 13-0615	EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,166.96	1,791.62
08 33 23 13-0616	EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,131.56	1,824.16
08 33 23 13-0617	EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,893.54	1,856.70
08 33 23 13-0618	EA 12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,859.55	1,893.84
08 33 23 13-0619	EA 12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,825.98	1,931.71
08 33 23 13-0620	EA 12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,793.92	1,970.35
08 33 23 13-0621	EA 12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,765.22	2,009.75
08 33 23 13-0622	13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0623	EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,273.15	1,694.00
08 33 23 13-0624	EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,237.75	1,726.54
08 33 23 13-0625	EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,202.34	1,759.08
08 33 23 13-0626	EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,166.96	1,791.62
08 33 23 13-0627	EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,131.56	1,824.16
08 33 23 13-0628	EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,096.16	1,856.70
08 33 23 13-0629	EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,858.14	1,889.24
08 33 23 13-0630	EA 13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,825.59	1,927.03
08 33 23 13-0631	EA 13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,793.34	1,965.56
08 33 23 13-0632	EA 13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,762.65	2,004.88
08 33 23 13-0633	EA 13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,733.50	2,044.97
08 33 23 13-0634	14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0635	EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,035.13	1,726.54



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 33 23 13-0636 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,999.73	1,759.08
				08 33 23 13-0637 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,964.34	1,791.62
				08 33 23 13-0638 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,927.28	1,824.16
				08 33 23 13-0639 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,893.54	1,856.70
				08 33 23 13-0640 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,858.14	1,889.24
				08 33 23 13-0641 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,814.43	1,921.78
				08 33 23 13-0642 EA 14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,782.64	1,960.22
				08 33 23 13-0643 EA 14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,751.73	1,999.42
				08 33 23 13-0644 EA 14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,722.38	2,039.41
				08 33 23 13-0645 EA 14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,694.64	2,080.19
08 33 23 13-0646 15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)						
<i>(08 33 23 13-0561)</i>						
				08 33 23 13-0647 EA 15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,995.40	1,761.07
				08 33 23 13-0648 EA 15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,963.23	1,794.27
				08 33 23 13-0649 EA 15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,927.47	1,827.46
				08 33 23 13-0650 EA 15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,893.52	1,860.65
				08 33 23 13-0651 EA 15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,859.55	1,893.84
				08 33 23 13-0652 EA 15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,825.59	1,927.03
				08 33 23 13-0653 EA 15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,782.64	1,960.22
				08 33 23 13-0654 EA 15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,751.73	1,999.42
				08 33 23 13-0655 EA 15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,722.38	2,039.41
				08 33 23 13-0656 EA 15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,694.64	2,080.19
				08 33 23 13-0657 EA 15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,668.52	2,121.81
08 33 23 13-0658 16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)						
<i>(08 33 23 13-0561)</i>						
				08 33 23 13-0659 EA 16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,956.52	1,796.29
				08 33 23 13-0660 EA 16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,925.68	1,830.14
				08 33 23 13-0661 EA 16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,891.25	1,864.00
				08 33 23 13-0662 EA 16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,858.60	1,897.85
				08 33 23 13-0663 EA 16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,825.98	1,931.71
				08 33 23 13-0664 EA 16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,793.34	1,965.56
				08 33 23 13-0665 EA 16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,751.73	1,999.42
				08 33 23 13-0666 EA 16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,722.38	2,039.41
				08 33 23 13-0667 EA 16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,694.64	2,080.19
				08 33 23 13-0668 EA 16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,668.52	2,121.81
				08 33 23 13-0669 EA 16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,645.86	2,164.24
08 33 23 13-0670 17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)						
<i>(08 33 23 13-0561)</i>						
				08 33 23 13-0671 EA 17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,919.05	1,832.21
				08 33 23 13-0672 EA 17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,889.56	1,866.75
				08 33 23 13-0673 EA 17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,856.48	1,901.28
				08 33 23 13-0674 EA 17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,825.20	1,935.81
				08 33 23 13-0675 EA 17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,793.92	1,970.35
				08 33 23 13-0676 EA 17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,762.65	2,004.88
				08 33 23 13-0677 EA 17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,722.38	2,039.41
				08 33 23 13-0678 EA 17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,694.64	2,080.19
				08 33 23 13-0679 EA 17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,668.52	2,121.81
				08 33 23 13-0680 EA 17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,645.86	2,164.24
				08 33 23 13-0681 EA 17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,623.10	2,207.52
08 33 23 13-0682 18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)						
<i>(08 33 23 13-0561)</i>						
				08 33 23 13-0683 EA 18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,082.33	1,868.86
				08 33 23 13-0684 EA 18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,052.45	1,904.08
				08 33 23 13-0685 EA 18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,022.53	1,939.30
				08 33 23 13-0686 EA 18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,992.83	1,974.53
				08 33 23 13-0687 EA 18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,962.74	2,009.75
				08 33 23 13-0688 EA 18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,931.03	2,044.97
				08 33 23 13-0689 EA 18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,893.97	2,080.19
				08 33 23 13-0690 EA 18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,867.84	2,121.81
				08 33 23 13-0691 EA 18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,843.39	2,164.24
				08 33 23 13-0692 EA 18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,820.63	2,207.52
				08 33 23 13-0693 EA 18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,799.62	2,251.67
08 33 23 13-0694 19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)						
<i>(08 33 23 13-0561)</i>						
				08 33 23 13-0695 EA 19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,344.05	1,906.24
				08 33 23 13-0696 EA 19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,317.37	1,942.17
				08 33 23 13-0697 EA 19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,287.07	1,978.10
				08 33 23 13-0698 EA 19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,258.59	2,014.01
				08 33 23 13-0699 EA 19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,230.10	2,049.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,201.60	2,085.87
08 33 23	13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,164.13	2,121.81
08 33 23	13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,139.68	2,164.24
08 33 23	13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,116.93	2,207.52
08 33 23	13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,095.91	2,251.67
08 33 23	13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,078.45	2,296.71
08 33 23	13-0706		20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0561)</small>		
08 33 23	13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,904.86	1,944.75
08 33 23	13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,880.33	1,980.48
08 33 23	13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,850.93	2,017.48
08 33 23	13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,824.59	2,054.50
08 33 23	13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,796.98	2,091.50
08 33 23	13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,769.38	2,127.22
08 33 23	13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,734.06	2,164.24
08 33 23	13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,711.51	2,207.62
08 33 23	13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,690.25	2,252.28
08 33 23	13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,671.52	2,296.95
08 33 23	13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,654.08	2,342.88
08 33 23	13-0718		Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0560)</small>		
08 33 23	13-0719		8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,520.00	1,020.87
08 33 23	13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,256.73	1,042.56
08 33 23	13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,993.48	1,064.25
08 33 23	13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,726.88	1,085.94
08 33 23	13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,463.62	1,107.64
08 33 23	13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,200.34	1,129.34
08 33 23	13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,867.22	1,151.02
08 33 23	13-0727		9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,256.73	1,042.56
08 33 23	13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,993.48	1,064.25
08 33 23	13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,726.88	1,085.94
08 33 23	13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,463.62	1,107.64
08 33 23	13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,200.34	1,129.34
08 33 23	13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,937.08	1,151.02
08 33 23	13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,603.96	1,172.72
08 33 23	13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,993.48	1,064.25
08 33 23	13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,726.88	1,085.94
08 33 23	13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,463.62	1,107.64
08 33 23	13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,200.34	1,129.34
08 33 23	13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,937.08	1,151.02
08 33 23	13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,673.82	1,172.72
08 33 23	13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,340.69	1,194.41
08 33 23	13-0743		11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,726.88	1,085.94
08 33 23	13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,463.62	1,107.64
08 33 23	13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,200.34	1,129.34
08 33 23	13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,937.08	1,151.02
08 33 23	13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,673.82	1,172.72
08 33 23	13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,410.55	1,194.41
08 33 23	13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	47,074.10	1,216.11
08 33 23	13-0751		12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) <small>(08 33 23 13-0718)</small>		
08 33 23	13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,463.62	1,107.64
08 33 23	13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,200.34	1,129.34
08 33 23	13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,937.08	1,151.02
08 33 23	13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,673.82	1,172.72
08 33 23	13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,410.55	1,194.41
08 33 23	13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,147.28	1,216.11



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23 13-0758 EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	47,810.83	1,237.80
08 33 23 13-0759		13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
	08 33 23 13-0760 EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,200.34	1,129.34
	08 33 23 13-0761 EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,937.08	1,151.02
	08 33 23 13-0762 EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,673.82	1,172.72
	08 33 23 13-0763 EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,410.55	1,194.41
	08 33 23 13-0764 EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,147.28	1,216.11
	08 33 23 13-0765 EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,884.02	1,237.80
	08 33 23 13-0766 EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	48,547.56	1,259.49
08 33 23 13-0767		14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
	08 33 23 13-0768 EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	44,867.22	1,151.02
	08 33 23 13-0769 EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	45,603.96	1,172.72
	08 33 23 13-0770 EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	46,340.69	1,194.41
	08 33 23 13-0771 EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	47,074.10	1,216.11
	08 33 23 13-0772 EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	47,810.83	1,237.80
	08 33 23 13-0773 EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	48,547.56	1,259.49
	08 33 23 13-0774 EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	49,284.31	1,281.19
08 33 23 13-0775		Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)		
08 33 23 13-0776		8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
	08 33 23 13-0777 EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,144.00	1,020.87
	08 33 23 13-0778 EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,880.73	1,042.56
	08 33 23 13-0779 EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,617.48	1,064.25
	08 33 23 13-0780 EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,352.54	1,085.94
	08 33 23 13-0781 EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,089.28	1,107.64
	08 33 23 13-0782 EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,824.34	1,129.34
	08 33 23 13-0783 EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,840.71	1,129.34
08 33 23 13-0784		9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
	08 33 23 13-0785 EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,880.73	1,042.56
	08 33 23 13-0786 EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,617.48	1,064.25
	08 33 23 13-0787 EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,352.54	1,085.94
	08 33 23 13-0788 EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,089.28	1,107.64
	08 33 23 13-0789 EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,824.34	1,129.34
	08 33 23 13-0790 EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,544.49	1,142.73
	08 33 23 13-0791 EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,086.72	1,151.02
08 33 23 13-0792		10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
	08 33 23 13-0793 EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,617.48	1,064.25
	08 33 23 13-0794 EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,352.54	1,085.94
	08 33 23 13-0795 EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,089.28	1,107.64
	08 33 23 13-0796 EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,824.34	1,129.34
	08 33 23 13-0797 EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,561.08	1,151.02
	08 33 23 13-0798 EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,286.32	1,166.98
	08 33 23 13-0799 EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,029.63	1,172.72
08 33 23 13-0800		11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
	08 33 23 13-0801 EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,352.54	1,085.94
	08 33 23 13-0802 EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,089.28	1,107.64
	08 33 23 13-0803 EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,824.34	1,129.34
	08 33 23 13-0804 EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,561.08	1,151.02
	08 33 23 13-0805 EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,297.81	1,172.72
	08 33 23 13-0806 EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,023.06	1,188.67
	08 33 23 13-0807 EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,972.55	1,194.41
08 33 23 13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
	08 33 23 13-0809 EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,089.28	1,107.64
	08 33 23 13-0810 EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,824.34	1,129.34
	08 33 23 13-0811 EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,561.08	1,151.02
	08 33 23 13-0812 EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,297.81	1,172.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0813	EA		12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,034.55	1,194.41
08 33 23 13-0814	EA		12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,757.24	1,209.09
08 33 23 13-0815	EA		12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,915.45	1,216.11
08 33 23 13-0816			13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0817	EA		13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,824.34	1,129.34
08 33 23 13-0818	EA		13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,561.08	1,151.02
08 33 23 13-0819	EA		13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,297.81	1,172.72
08 33 23 13-0820	EA		13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,034.55	1,194.41
08 33 23 13-0821	EA		13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,771.28	1,216.11
08 33 23 13-0822	EA		13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,495.26	1,231.42
08 33 23 13-0823	EA		13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	41,858.36	1,237.80
08 33 23 13-0824			14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0825	EA		14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,884.10	1,151.02
08 33 23 13-0826	EA		14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,827.02	1,172.72
08 33 23 13-0827	EA		14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	41,769.93	1,194.41
08 33 23 13-0828	EA		14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	42,711.17	1,216.11
08 33 23 13-0829	EA		14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	43,655.74	1,237.80
08 33 23 13-0830	EA		14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	44,587.16	1,253.75
08 33 23 13-0831	EA		14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	44,598.64	1,259.49
08 33 23 13-0832			Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)		
08 33 23 13-0833			8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0834	EA		8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	41,701.96	1,020.87
08 33 23 13-0835	EA		8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	42,637.81	1,042.56
08 33 23 13-0836	EA		8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,571.89	1,064.25
08 33 23 13-0837	EA		8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,999.77	1,085.94
08 33 23 13-0838	EA		8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,429.45	1,107.64
08 33 23 13-0839	EA		8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,859.13	1,129.34
08 33 23 13-0840	EA		8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,288.81	1,151.02
08 33 23 13-0841			9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0842	EA		9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	42,637.81	1,042.56
08 33 23 13-0843	EA		9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,571.89	1,064.25
08 33 23 13-0844	EA		9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,505.95	1,085.94
08 33 23 13-0845	EA		9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,935.63	1,107.64
08 33 23 13-0846	EA		9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,365.31	1,129.34
08 33 23 13-0847	EA		9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,793.19	1,151.02
08 33 23 13-0848	EA		9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,231.86	1,172.72
08 33 23 13-0849			10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0850	EA		10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,571.89	1,064.25
08 33 23 13-0851	EA		10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,505.95	1,085.94
08 33 23 13-0852	EA		10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,440.01	1,107.64
08 33 23 13-0853	EA		10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,869.69	1,129.34
08 33 23 13-0854	EA		10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,297.57	1,151.02
08 33 23 13-0855	EA		10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,727.26	1,172.72
08 33 23 13-0856	EA		10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,174.90	1,194.41
08 33 23 13-0857			11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0858	EA		11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,505.95	1,085.94
08 33 23 13-0859	EA		11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,440.01	1,107.64
08 33 23 13-0860	EA		11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,374.07	1,129.34
08 33 23 13-0861	EA		11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,303.75	1,151.02
08 33 23 13-0862	EA		11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,233.44	1,172.72
08 33 23 13-0863	EA		11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,661.33	1,194.41
08 33 23 13-0864	EA		11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,116.14	1,216.11
08 33 23 13-0865			12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0866	EA		12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,440.01	1,107.64
08 33 23 13-0867	EA		12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,374.07	1,129.34



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	08 33 23	13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,308.13	1,151.02	
	08 33 23	13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,737.82	1,172.72	
	08 33 23	13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,167.50	1,194.41	
	08 33 23	13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,595.38	1,216.11	
	08 33 23	13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	53,060.98	1,237.80	
08 33 23	13-0873	13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)					
	08 33 23	13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,374.07	1,129.34	
	08 33 23	13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,308.13	1,151.02	
	08 33 23	13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,242.20	1,172.72	
	08 33 23	13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,671.88	1,194.41	
	08 33 23	13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,101.56	1,216.11	
	08 33 23	13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,531.24	1,237.80	
	08 33 23	13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	54,004.02	1,259.49	
08 33 23	13-0881	14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)					
	08 33 23	13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,308.13	1,151.02	
	08 33 23	13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,242.20	1,172.72	
	08 33 23	13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,176.27	1,194.41	
	08 33 23	13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,605.94	1,216.11	
	08 33 23	13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,035.63	1,237.80	
	08 33 23	13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	53,465.30	1,259.49	
	08 33 23	13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	54,938.09	1,281.19	
08 33 23	13-0889	Rytec® Spiral® Door Options (08 33 23 13-0560)					
	08 33 23	13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	540.38		
				Note: Per door price.			
	08 33 23	13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	365.79		
				Note: Maximum of 4 per door.			
	08 33 23	13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	540.38		
				Note: Maximum of 4 per door.			
	08 33 23	13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	365.79		
				Note: Maximum of 4 per door.			
	08 33 23	13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	540.38		
				Note: Maximum of 4 per door.			
	08 33 23	13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	1,025.47	63.81	
	08 33 23	13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	2,948.80	127.61	
	08 33 23	13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	5,284.89	127.61	
	08 33 23	13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	6,008.17	127.61	
	08 33 23	13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	628.50		
08 33 23	13-0900	Activation And Control Box Options For High Speed Doors (08 33 23 13)					
	08 33 23	13-0901	EA	Pull Cord For High-Speed Rolling Doors.....	260.63	63.81	
	08 33 23	13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	196.83	31.90	
	08 33 23	13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	246.71	31.90	
	08 33 23	13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	171.89	31.90	
	08 33 23	13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	263.33	31.90	
	08 33 23	13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	429.60	31.90	
	08 33 23	13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	471.17	31.90	
	08 33 23	13-0908	EA	Radio Control For High-Speed Rolling Doors.....	731.79	57.42	
				Note: Includes one receiver and two transmitters.			
	08 33 23	13-0909	EA	Floor Loop For High-Speed Rolling Doors.....	987.01		
				Note: Excludes sealant.			
	08 33 23	13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors.....	631.54	57.42	
	08 33 23	13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	823.24	57.42	
	08 33 23	13-0912	EA	Motion Detector For High-Speed Rolling Doors.....	708.39	38.29	
	08 33 23	13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors.....	493.40	63.81	
				Note: Includes wall box and mounting hardware.			
	08 33 23	13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors.....	667.99	63.81	
				Note: Includes wall box and mounting hardware.			
	08 33 23	13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	759.44	63.81	
				Note: Includes wall box and mounting hardware.			
	08 33 23	13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors.....	942.33	63.81	
				Note: Includes mounting hardware.			
08 33 26	Overhead Coiling Grilles (08 33)						
	Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1034 for forklift.						
08 33 26	00-0001	Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)					
	08 33 26	00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,129.98	228.37	
				For Lexan Lattice Pattern, Add	221.70		
				For Aluminum With Clear Or Anodized Bronze Finish, Add	207.40		
				For Staggered Brick Pattern, Add	280.75		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0003	EA		6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,393.70	228.37
			<i>For Lexan Lattice Pattern, Add</i>	261.26	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	311.11	
			<i>For Staggered Brick Pattern, Add</i>	380.22	
08 33 26 00-0004	EA		8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,888.26	285.46
			<i>For Lexan Lattice Pattern, Add</i>	310.77	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	414.80	
			<i>For Staggered Brick Pattern, Add</i>	479.69	
08 33 26 00-0005	EA		12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,268.58	285.46
			<i>For Lexan Lattice Pattern, Add</i>	367.82	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	436.11	
			<i>For Staggered Brick Pattern, Add</i>	678.62	
08 33 26 00-0006	EA		16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,542.08	456.75
			<i>For Lexan Lattice Pattern, Add</i>	485.25	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	829.60	
			<i>For Staggered Brick Pattern, Add</i>	957.02	
08 33 26 00-0007	EA		20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,645.84	570.94
			<i>For Lexan Lattice Pattern, Add</i>	602.68	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,037.00	
			<i>For Staggered Brick Pattern, Add</i>	1,235.39	
08 33 26 00-0008	EA		24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,094.39	685.13
			<i>For Lexan Lattice Pattern, Add</i>	770.77	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,244.40	
			<i>For Staggered Brick Pattern, Add</i>	1,389.66	
08 33 26 00-0009	EA		30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,649.44	837.37
			<i>For Lexan Lattice Pattern, Add</i>	939.68	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,441.30	
			<i>For Staggered Brick Pattern, Add</i>	1,515.61	
08 33 26 00-0010	EA		4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,321.13	228.37
			<i>For Lexan Lattice Pattern, Add</i>	250.37	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	259.25	
			<i>For Staggered Brick Pattern, Add</i>	333.53	
08 33 26 00-0011	EA		6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,670.64	228.37
			<i>For Lexan Lattice Pattern, Add</i>	302.80	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	388.86	
			<i>For Staggered Brick Pattern, Add</i>	473.64	
08 33 26 00-0012	EA		8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,194.72	285.46
			<i>For Lexan Lattice Pattern, Add</i>	357.11	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	518.51	
			<i>For Staggered Brick Pattern, Add</i>	613.74	
08 33 26 00-0013	EA		12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,671.02	285.46
			<i>For Lexan Lattice Pattern, Add</i>	428.55	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	777.75	
			<i>For Staggered Brick Pattern, Add</i>	893.94	
08 33 26 00-0014	EA		16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,071.46	456.75
			<i>For Lexan Lattice Pattern, Add</i>	564.66	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,037.00	
			<i>For Staggered Brick Pattern, Add</i>	1,232.63	
08 33 26 00-0015	EA		20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,299.69	570.94
			<i>For Lexan Lattice Pattern, Add</i>	700.75	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,296.24	
			<i>For Staggered Brick Pattern, Add</i>	1,571.30	
08 33 26 00-0016	EA		24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,884.38	685.13
			<i>For Lexan Lattice Pattern, Add</i>	889.27	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,555.69	
			<i>For Staggered Brick Pattern, Add</i>	1,819.68	
08 33 26 00-0017	EA		30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,869.28	837.37
			<i>For Lexan Lattice Pattern, Add</i>	1,122.66	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,821.48	
			<i>For Staggered Brick Pattern, Add</i>	2,038.45	
08 33 26 00-0018	EA		4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,540.02	228.37
			<i>For Lexan Lattice Pattern, Add</i>	283.21	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	311.11	
			<i>For Staggered Brick Pattern, Add</i>	385.55	
08 33 26 00-0019	EA		6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,603.38	228.37
			<i>For Lexan Lattice Pattern, Add</i>	292.71	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	466.64	
			<i>For Staggered Brick Pattern, Add</i>	565.49	
08 33 26 00-0020	EA		8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,176.00	285.46
			<i>For Lexan Lattice Pattern, Add</i>	353.93	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	622.18	
			<i>For Staggered Brick Pattern, Add</i>	745.42	
08 33 26 00-0021	EA		12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,128.45	285.46
			<i>For Lexan Lattice Pattern, Add</i>	496.80	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	933.26	
			<i>For Staggered Brick Pattern, Add</i>	1,105.29	
08 33 26 00-0022	EA		16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,819.80	456.75
			<i>For Lexan Lattice Pattern, Add</i>	676.91	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,244.38	
			<i>For Staggered Brick Pattern, Add</i>	1,536.68	
08 33 26 00-0023	EA		20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,341.39	570.94
			<i>For Lexan Lattice Pattern, Add</i>	857.01	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,555.49	
			<i>For Staggered Brick Pattern, Add</i>	1,968.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0024 EA 24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,896.73 1,041.12 1,866.59 2,080.96	685.13
08 33 26 00-0025 EA 30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,074.50 1,303.44 2,163.11 2,267.23	837.37
08 33 26 00-0026 EA 4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,931.52 341.93 362.81 713.12	228.37
08 33 26 00-0027 EA 6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,358.97 406.05 544.33 875.62	228.37
08 33 26 00-0028 EA 8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,953.14 470.87 725.83 1,019.59	285.46
08 33 26 00-0029 EA 12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,851.07 605.56 1,088.84 1,292.92	285.46
08 33 26 00-0030 EA 16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,566.43 788.90 1,451.80 1,729.69	456.75
08 33 26 00-0031 EA 20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,109.62 972.24 1,814.73 2,166.46	570.94
08 33 26 00-0032 EA 24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,694.35 1,160.76 2,177.69 2,457.01	685.13
08 33 26 00-0033 EA 30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,373.91 1,498.35 2,570.78 2,807.25	837.37
08 33 26 00-0034 Coiling Grilles Accessories <small>(08 33 26)</small>		
08 33 26 00-0035 LF For Overhead Framed Rolling Grille Supports.....	104.81	
08 33 36 Side Coiling Grilles <small>(08 33)</small>		
08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) <small>(08 33 36)</small>		
08 33 36 00-0002 EA 12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,846.79 303.32 622.20 678.62	638.58
08 33 36 00-0003 EA 18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,312.75 445.35 954.39 1,086.93	820.30
08 33 36 00-0004 EA 24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,854.76 584.94 1,244.40 1,389.66	1,034.33
08 33 36 00-0005 EA 30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,138.29 731.17 1,441.30 1,515.61	1,141.88
08 33 36 00-0006 EA 12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,606.02 378.88 777.75 893.94	728.08
08 33 36 00-0007 EA 18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,386.79 557.02 1,145.43 1,357.43	935.15
08 33 36 00-0008 EA 24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,154.83 717.88 1,555.69 1,819.68	1,178.75
08 33 36 00-0009 EA 30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,825.89 913.70 1,821.48 2,038.45	1,301.74
08 33 36 00-0010 EA 12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,375.68 454.79 933.26 1,105.29	820.30

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0011 EA 18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,469.92 667.36 1,377.98 1,685.29	1,053.57
08 33 36 00-0012 EA 24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,625.43 877.41 1,866.59 2,080.96	1,328.39
08 33 36 00-0013 EA 30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,500.88 1,096.76 2,163.11 2,267.23	1,465.42
08 33 36 00-0014 EA 12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,134.38 531.76 1,088.84 1,292.92	906.98
08 33 36 00-0015 EA 18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,550.03 779.03 1,574.86 1,872.47	1,164.71
08 33 36 00-0016 EA 24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,006.99 1,023.64 2,177.69 2,457.01	1,468.46
08 33 36 00-0017 EA 30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,157.54 1,278.89 2,570.78 2,807.25	1,621.47

08 33 43 Overhead Coiling Smoke Curtains (08 33)

08 33 43 00-0001 Elevator Smoke Guard (08 33 43)		
08 33 43 00-0002 EA Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	15,124.58	638.58
08 33 43 00-0003 EA Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	15,687.61	638.58
08 33 43 00-0004 EA Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	16,250.63	638.58

08 34 Special Function Doors (08 30)**08 34 13 Cold Storage Doors (08 34)**

08 34 13 00-0001 Vertical Sliding Cold Storage Doors (08 34 13) Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0002 EA 7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane <i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	7,612.56 486.33	974.57
08 34 13 00-0003 EA 7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane <i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	9,765.09 618.62	1,237.23
08 34 13 00-0004 Horizontal Sliding Cold Storage Doors (08 34 13) Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0005 EA 6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,114.82	778.34
08 34 13 00-0006 EA 7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,891.68	877.69
08 34 13 00-0007 EA 7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,909.44	1,156.69
08 34 13 00-0008 EA 5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,332.32	707.20
08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors (08 34 13) Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0010 EA 3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane.....	3,065.53	460.01

08 34 16 Hangar Doors (08 34)

08 34 16 00-0001 SF 70' To 120' Wide X To 20' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	62.59	18.26
08 34 16 00-0002 SF 120' To 180' Wide X To 20' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	56.80	18.26
08 34 16 00-0003 SF 120' To 180' Wide X 20-40' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	56.21	3.91
08 34 16 00-0004 SF 120' To 180' Wide X 40-60' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	57.38	2.61
08 34 16 00-0005 SF 120' To 180' Wide X 60-80' High Hangar Door 25' Panels..... Note: Includes motorized opener and special hardware.	60.10	2.61
08 34 16 00-0006 SF 120' To 180' Wide x >80' High Hangar Door 25' Panels Note: Includes motorized opener and special hardware.	93.10	2.61

08 34 23 Sidewalk and Basement Doors (08 34)

08 34 23 00-0001 Drainage Doors (08 34 23)		
08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0003 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,274.51	227.27
08 34 23 00-0004 EA 2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,556.62	237.48
08 34 23 00-0005 EA 3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,650.56	242.58
08 34 23 00-0006 EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,815.17	247.69
08 34 23 00-0007 EA 3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,108.94	260.44
08 34 23 00-0008 EA 2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,147.10	254.45
08 34 23 00-0009 EA 3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,383.58	260.44
08 34 23 00-0010 EA 2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,486.69	266.45
08 34 23 00-0011 EA 3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,723.19	272.44
08 34 23 00-0012 EA 3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,154.20	287.76
08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD Series.		
08 34 23 00-0014 EA 4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,539.44	254.45
08 34 23 00-0015 EA 4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,668.26	272.44
08 34 23 00-0016 EA 4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,373.35	303.07
08 34 23 00-0017 EA 5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,467.51	303.07
08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - J H2O Series.		
08 34 23 00-0019 EA 2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,004.26	227.27
08 34 23 00-0020 EA 2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,333.46	237.48
08 34 23 00-0021 EA 3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,537.31	242.58
08 34 23 00-0022 EA 3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,866.69	247.69
08 34 23 00-0023 EA 3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,309.56	260.44
08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD H2O Series.		
08 34 23 00-0025 EA 4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,308.44	254.45
08 34 23 00-0026 EA 4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,410.26	272.44
08 34 23 00-0027 EA 4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,253.14	303.07
08 34 23 00-0028 EA 5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,892.19	303.07
08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001)		
Note: Bilco - J Series.		
08 34 23 00-0030 EA 2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,987.52	227.27
08 34 23 00-0031 EA 2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,088.23	237.48
08 34 23 00-0032 EA 3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,327.63	242.58
08 34 23 00-0033 EA 3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,579.27	247.69
08 34 23 00-0034 EA 3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,000.95	260.44
08 34 23 00-0035 EA 2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,857.85	254.45
08 34 23 00-0036 EA 3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,257.12	260.44
08 34 23 00-0037 EA 2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,241.67	266.45
08 34 23 00-0038 EA 3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,616.56	272.44
08 34 23 00-0039 EA 3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,859.10	287.76
08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD Series.		
08 34 23 00-0041 EA 4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,516.56	254.45
08 34 23 00-0042 EA 4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,689.75	272.44
08 34 23 00-0043 EA 4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,601.79	303.07
08 34 23 00-0044 EA 5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,735.98	303.07
08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - J H2O Series.		
08 34 23 00-0046 EA 2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,402.54	227.27
08 34 23 00-0047 EA 2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,600.84	237.48
08 34 23 00-0048 EA 3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,730.50	242.58
08 34 23 00-0049 EA 3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,396.88	247.69
08 34 23 00-0050 EA 3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,184.52	260.44
08 34 23 00-0051 Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD H2O Series.		
08 34 23 00-0052 EA 4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,712.28	254.45
08 34 23 00-0053 EA 4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,385.61	272.44
08 34 23 00-0054 EA 4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,493.37	303.07
08 34 23 00-0055 EA 5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,249.40	303.07
08 34 23 00-0056 Single Leaf Aluminum Drainage Door (08 34 23 00-0001)		
Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,192.17	227.27
08 34 23 00-0058 EA 2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,834.53	237.48
08 34 23 00-0059 EA 3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,080.16	242.58

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0060	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,330.41	247.69
08 34 23 00-0061	EA		3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,926.24	260.44
08 34 23 00-0062			Custom Size, Single Leaf, Aluminum (08 34 23 00-0001) Note: Dimensions are inside of frame. Second dimension is hinge side dimension. For custom sizes, if dimension falls within the six inch increments, use the next larger size.		
08 34 23 00-0063			Single Leaf Aluminum Drainage Door (08 34 23 00-0062) Note: 300 LB/SF live load, Bilco J series		
08 34 23 00-0064	EA		Approx. 2' x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	2,387.30	170.36
08 34 23 00-0065	EA		Approx. 2'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	2,624.44	174.18
08 34 23 00-0066	EA		Approx. 3' x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	2,861.62	178.01
08 34 23 00-0067	EA		Approx. 3'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,014.11	181.84
08 34 23 00-0068	EA		Approx. 2' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	2,567.06	174.18
08 34 23 00-0069	EA		Approx. 2'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	2,834.30	178.01
08 34 23 00-0070	EA		Approx. 3' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,071.49	181.84
08 34 23 00-0071	EA		Approx. 3'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,193.92	185.67
08 34 23 00-0072	EA		Approx. 2' x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	2,776.92	178.01
08 34 23 00-0073	EA		Approx. 2'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,014.11	181.84
08 34 23 00-0074	EA		Approx. 3' x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,221.24	185.67
08 34 23 00-0075	EA		Approx. 3'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,575.74	190.77
08 34 23 00-0076	EA		Approx. 2' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	2,984.05	181.84
08 34 23 00-0077	EA		Approx. 2'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,163.86	185.67
08 34 23 00-0078	EA		Approx. 3' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,376.27	190.77
08 34 23 00-0079	EA		Approx. 3'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,786.85	195.24
08 34 23 00-0080	EA		Approx. 2' x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,136.54	185.67
08 34 23 00-0081	EA		Approx. 2'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,376.27	190.77
08 34 23 00-0082	EA		Approx. 3' x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,729.47	195.24
08 34 23 00-0083	EA		Approx. 3'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,140.09	199.70
08 34 23 00-0084	EA		Approx. 2' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,288.83	190.77
08 34 23 00-0085	EA		Approx. 2'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,584.66	195.24
08 34 23 00-0086	EA		Approx. 3' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,025.32	199.70
08 34 23 00-0087	EA		Approx. 3'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,608.07	204.18
08 34 23 00-0088	EA		Approx. 2' x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,469.94	195.24
08 34 23 00-0089	EA		Approx. 2'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,853.22	199.70
08 34 23 00-0090	EA		Approx. 3' x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,263.84	204.18
08 34 23 00-0091	EA		Approx. 3'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,906.53	209.92
08 34 23 00-0092	EA		Approx. 2' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,651.08	199.70
08 34 23 00-0093	EA		Approx. 2'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,004.32	204.30
08 34 23 00-0094	EA		Approx. 3' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,474.87	210.04
08 34 23 00-0095	EA		Approx. 3'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	5,147.58	215.79
08 34 23 00-0096	EA		Approx. 2' x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	3,804.85	204.30
08 34 23 00-0097	EA		Approx. 2'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,390.17	210.04
08 34 23 00-0098	EA		Approx. 3' x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	4,830.62	215.79
08 34 23 00-0099	EA		Approx. 3'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lbs/SF LL	5,377.67	221.53
08 34 23 00-0100			Single Leaf Aluminum H2O Drainage Door (08 34 23 00-0062) Note: AASHTO H-20 wheel loading, Bilco J H2O series		
08 34 23 00-0101	EA		Approx. 2' x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,196.15	170.36
08 34 23 00-0102	EA		Approx. 2'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,605.43	174.18
08 34 23 00-0103	EA		Approx. 3' x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,072.13	178.01
08 34 23 00-0104	EA		Approx. 3'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,768.37	181.84
08 34 23 00-0105	EA		Approx. 2' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,375.91	174.18
08 34 23 00-0106	EA		Approx. 2'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,869.93	178.01
08 34 23 00-0107	EA		Approx. 3' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,451.41	181.84
08 34 23 00-0108	EA		Approx. 3'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,975.50	185.67
08 34 23 00-0109	EA		Approx. 2' x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,640.41	178.01
08 34 23 00-0110	EA		Approx. 2'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,309.32	181.84
08 34 23 00-0111	EA		Approx. 3' x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,975.50	185.67
08 34 23 00-0112	EA		Approx. 3'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,589.57	190.77
08 34 23 00-0113	EA		Approx. 2' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,396.76	181.84
08 34 23 00-0114	EA		Approx. 2'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,516.46	185.67
08 34 23 00-0115	EA		Approx. 3' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,187.91	190.77
08 34 23 00-0116	EA		Approx. 3'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,904.52	195.24
08 34 23 00-0117	EA		Approx. 2' x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,202.23	185.67
08 34 23 00-0118	EA		Approx. 2'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,958.39	190.77
08 34 23 00-0119	EA		Approx. 3' x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,713.25	195.24
08 34 23 00-0120	EA		Approx. 3'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,522.80	199.70
08 34 23 00-0121	EA		Approx. 2' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,614.11	190.77
08 34 23 00-0122	EA		Approx. 2'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,109.39	195.24
08 34 23 00-0123	EA		Approx. 3' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,142.99	199.70
08 34 23 00-0124	EA		Approx. 3'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,105.54	204.18
08 34 23 00-0125	EA		Approx. 2' x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,967.36	195.24
08 34 23 00-0126	EA		Approx. 2'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,913.51	199.70
08 34 23 00-0127	EA		Approx. 3' x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,908.92	204.18
08 34 23 00-0128	EA		Approx. 3'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,581.73	209.92
08 34 23 00-0129	EA		Approx. 2' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,607.53	199.70
08 34 23 00-0130	EA		Approx. 2'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,217.62	204.30
08 34 23 00-0131	EA		Approx. 3' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,636.38	210.04
08 34 23 00-0132	EA		Approx. 3'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,279.09	215.79



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0133	EA		Approx. 2' x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	6,930.72	204.30
08 34 23 00-0134	EA		Approx. 2'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,628.06	210.04
08 34 23 00-0135	EA		Approx. 3' x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	10,065.90	215.79
08 34 23 00-0136	EA		Approx. 3'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	11,935.43	221.53

08 34 23 00-0137

Custom Size, Double Leaf, Aluminum (08 34 23 00-0001)

Note: Dimensions are inside of frame. Second dimension is hinge side dimension. For custom sizes, if dimension falls within the six inch increments, use the next larger size.

08 34 23 00-0138

Double Leaf Aluminum Drainage Door (08 34 23 00-0137)

Note: 300 LB/SF live load, Bilco J series

08 34 23 00-0139	EA		Approx. 4' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	3,737.67	185.67
08 34 23 00-0140	EA		Approx. 4'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	3,920.02	190.77
08 34 23 00-0141	EA		Approx. 5' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,073.76	195.24
08 34 23 00-0142	EA		Approx. 5'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,369.61	199.70
08 34 23 00-0143	EA		Approx. 6' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,635.39	204.18
08 34 23 00-0144	EA		Approx. 4' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	3,892.69	190.77
08 34 23 00-0145	EA		Approx. 4'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,158.46	195.24
08 34 23 00-0146	EA		Approx. 5' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,426.99	199.70
08 34 23 00-0147	EA		Approx. 5'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,635.39	204.18
08 34 23 00-0148	EA		Approx. 6' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,906.47	209.92
08 34 23 00-0149	EA		Approx. 4' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,131.19	195.24
08 34 23 00-0150	EA		Approx. 4'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,541.79	199.70
08 34 23 00-0151	EA		Approx. 5' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,692.82	204.18
08 34 23 00-0152	EA		Approx. 5'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,991.24	209.92
08 34 23 00-0153	EA		Approx. 6' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,262.28	215.66
08 34 23 00-0154	EA		Approx. 4' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,541.79	199.70
08 34 23 00-0155	EA		Approx. 4'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,780.26	204.18
08 34 23 00-0156	EA		Approx. 5' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,791.77	209.92
08 34 23 00-0157	EA		Approx. 5'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,319.66	215.66
08 34 23 00-0158	EA		Approx. 6' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,579.81	221.40
08 34 23 00-0159	EA		Approx. 4' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,722.88	204.18
08 34 23 00-0160	EA		Approx. 4'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,048.62	209.92
08 34 23 00-0161	EA		Approx. 5' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,319.66	215.66
08 34 23 00-0162	EA		Approx. 5'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,637.19	221.40
08 34 23 00-0163	EA		Approx. 6' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,200.62	227.14
08 34 23 00-0164	EA		Approx. 4' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	4,963.91	209.92
08 34 23 00-0165	EA		Approx. 4'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,377.04	215.66
08 34 23 00-0166	EA		Approx. 5' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,694.57	221.40
08 34 23 00-0167	EA		Approx. 5'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,058.53	227.14
08 34 23 00-0168	EA		Approx. 6' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,986.66	233.52
08 34 23 00-0169	EA		Approx. 4' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,453.55	215.66
08 34 23 00-0170	EA		Approx. 4'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,874.91	221.40
08 34 23 00-0171	EA		Approx. 5' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,115.91	227.14
08 34 23 00-0172	EA		Approx. 5'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,757.13	233.52
08 34 23 00-0173	EA		Approx. 6' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	7,760.29	240.54
08 34 23 00-0174	EA		Approx. 4' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	5,760.15	221.40
08 34 23 00-0175	EA		Approx. 4'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,115.91	227.14
08 34 23 00-0176	EA		Approx. 5' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,442.91	233.52
08 34 23 00-0177	EA		Approx. 5'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	7,172.83	240.54
08 34 23 00-0178	EA		Approx. 6' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	8,331.74	247.56
08 34 23 00-0179	EA		Approx. 4' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,001.15	227.14
08 34 23 00-0180	EA		Approx. 4'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	6,858.23	233.52
08 34 23 00-0181	EA		Approx. 5' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	7,142.77	240.54
08 34 23 00-0182	EA		Approx. 5'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	7,520.22	247.56
08 34 23 00-0183	EA		Approx. 6' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lbs/SF LL.....	8,977.00	254.70

08 34 23 00-0184

Double Leaf Aluminum H2O Drainage Door (08 34 23 00-0137)

Note: AASHTO H-20 wheel loading, Bilco J H2O series

08 34 23 00-0185	EA		Approx. 3' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	5,473.80	178.01
08 34 23 00-0186	EA		Approx. 3'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	6,112.65	181.84
08 34 23 00-0187	EA		Approx. 4' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	6,521.98	185.67
08 34 23 00-0188	EA		Approx. 4'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	6,674.28	190.77
08 34 23 00-0189	EA		Approx. 5' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,429.14	195.24
08 34 23 00-0190	EA		Approx. 5'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,610.23	199.70
08 34 23 00-0191	EA		Approx. 6' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	8,335.06	204.18
08 34 23 00-0192	EA		Approx. 3' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	5,711.04	181.84
08 34 23 00-0193	EA		Approx. 3'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	6,606.73	185.67
08 34 23 00-0194	EA		Approx. 4' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	6,903.84	190.77
08 34 23 00-0195	EA		Approx. 4'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,333.56	195.24
08 34 23 00-0196	EA		Approx. 5' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,973.68	199.70
08 34 23 00-0197	EA		Approx. 5'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	8,378.83	204.18
08 34 23 00-0198	EA		Approx. 6' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	9,264.71	209.92
08 34 23 00-0199	EA		Approx. 3' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	6,289.81	185.67
08 34 23 00-0200	EA		Approx. 3'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,106.09	190.77
08 34 23 00-0201	EA		Approx. 4' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,601.37	195.24
08 34 23 00-0202	EA		Approx. 4'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	7,839.85	199.70
08 34 23 00-0203	EA		Approx. 5' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	9,021.00	204.30
08 34 23 00-0204	EA		Approx. 5'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	9,349.47	210.04
08 34 23 00-0205	EA		Approx. 6' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	10,248.97	215.79



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0206	EA		Approx. 3' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,789.18	190.91
08 34 23 00-0207	EA		Approx. 3'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,686.13	195.37
08 34 23 00-0208	EA		Approx. 4' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,083.08	199.84
08 34 23 00-0209	EA		Approx. 4'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,693.17	204.30
08 34 23 00-0210	EA		Approx. 5' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,540.79	210.04
08 34 23 00-0211	EA		Approx. 5'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,249.03	215.79
08 34 23 00-0212	EA		Approx. 6' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,954.56	221.53
08 34 23 00-0213	EA		Approx. 3'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,096.79	199.84
08 34 23 00-0214	EA		Approx. 4' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	9,097.61	204.30
08 34 23 00-0215	EA		Approx. 4'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,549.05	210.04
08 34 23 00-0216	EA		Approx. 5' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	10,372.05	215.79
08 34 23 00-0217	EA		Approx. 5'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,744.23	221.53
08 34 23 00-0218	EA		Approx. 6' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	11,687.48	227.27
08 34 23 00-0219	EA		Approx. 3'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,764.26	204.30
08 34 23 00-0220	EA		Approx. 4' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,748.51	210.04
08 34 23 00-0221	EA		Approx. 4'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,631.63	215.79
08 34 23 00-0222	EA		Approx. 5' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,902.71	221.53
08 34 23 00-0223	EA		Approx. 5'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,974.38	227.27
08 34 23 00-0224	EA		Approx. 6' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,331.44	233.65
08 34 23 00-0225	EA		Approx. 3'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,404.23	210.04
08 34 23 00-0226	EA		Approx. 4' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	11,082.48	215.79
08 34 23 00-0227	EA		Approx. 4'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,331.69	221.53
08 34 23 00-0228	EA		Approx. 5' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	12,403.37	227.27
08 34 23 00-0229	EA		Approx. 5'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,989.95	233.65
08 34 23 00-0230	EA		Approx. 6' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	15,556.04	240.67
08 34 23 00-0231	EA		Approx. 3'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,347.46	215.79
08 34 23 00-0232	EA		Approx. 4' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,790.74	221.53
08 34 23 00-0233	EA		Approx. 4'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,917.00	227.27
08 34 23 00-0234	EA		Approx. 5' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,060.99	233.65
08 34 23 00-0235	EA		Approx. 5'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,667.95	240.67
08 34 23 00-0236	EA		Approx. 6' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	16,657.60	247.69
08 34 23 00-0237	EA		Approx. 3'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,561.22	221.53
08 34 23 00-0238	EA		Approx. 4' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	12,059.08	227.27
08 34 23 00-0239	EA		Approx. 4'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,039.13	233.65
08 34 23 00-0240	EA		Approx. 5' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	13,591.45	240.67
08 34 23 00-0241	EA		Approx. 5'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	15,236.75	247.69
08 34 23 00-0242	EA		Approx. 6' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading.....	17,617.09	254.70
08 34 23 00-0243			Non-Drainage Doors (08 34 23)		
08 34 23 00-0244			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0243)		
			Note: Bilco - Q Series.		
08 34 23 00-0245	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,227.52	227.27
08 34 23 00-0246	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,478.15	237.48
08 34 23 00-0247	EA		2'-6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,580.03	242.58
08 34 23 00-0248	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,642.58	247.69
08 34 23 00-0249	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,054.01	260.44
08 34 23 00-0250	EA		2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,856.81	254.45
08 34 23 00-0251	EA		3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,069.71	260.44
08 34 23 00-0252	EA		2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,313.91	266.45
08 34 23 00-0253	EA		3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,448.66	272.44
08 34 23 00-0254	EA		3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,777.90	287.76
08 34 23 00-0255			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0243)		
			Note: Bilco - K Series.		
08 34 23 00-0256	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,015.66	227.27
08 34 23 00-0257	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,211.36	237.48
08 34 23 00-0258	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,336.78	242.58
08 34 23 00-0259	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,422.87	247.69
08 34 23 00-0260	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,645.98	260.44
08 34 23 00-0261			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0243)		
			Note: Bilco - QD Series.		
08 34 23 00-0262	EA		4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,343.31	254.45
08 34 23 00-0263			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0243)		
			Note: Bilco - KD Series.		
08 34 23 00-0264	EA		4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,252.49	272.44
08 34 23 00-0265	EA		4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,145.92	303.07
08 34 23 00-0266	EA		5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,208.69	303.07
08 34 23 00-0267			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0243)		
			Note: Bilco - T Series.		
08 34 23 00-0268	EA		2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,109.82	227.27
08 34 23 00-0269	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,289.83	237.48
08 34 23 00-0270	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,376.01	242.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 34 23 00-0271	EA		3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,501.34	247.69
	08 34 23 00-0272	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,747.99	260.44
08 34 23 00-0273	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0243)					
	Note: Bilco - TD Series.					
	08 34 23 00-0274	EA		4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	2,385.89	272.44
	08 34 23 00-0275	EA		4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,310.70	303.07
	08 34 23 00-0276	EA		5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,357.78	303.07
08 34 23 00-0277	Single Leaf Steel Non-Drainage Doors (08 34 23 00-0243)					
	Note: Bilco - Q Series.					
	08 34 23 00-0278	EA		2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,353.30	227.27
	08 34 23 00-0279	EA		2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,514.90	237.48
	08 34 23 00-0280	EA		3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,705.60	242.58
	08 34 23 00-0281	EA		3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,810.81	247.69
	08 34 23 00-0282	EA		3'-6" x 3'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	2,561.91	260.44
	08 34 23 00-0283	EA		2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	2,066.97	247.69
08 34 23 00-0284	Double Leaf Steel Non-Drainage Doors (08 34 23 00-0243)					
	Note: Bilco - QD Series.					
	08 34 23 00-0285	EA		4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,748.06	254.45
08 34 23 00-0286	Basement Doors (08 34 23)					
	Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.					
	08 34 23 00-0287	EA		45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal.....	1,845.84	287.11
	08 34 23 00-0288	EA		30" High x 47" Wide x 58" Long, Basement Door.....	1,545.19	217.58
	08 34 23 00-0289	EA		22" High x 51" Wide x 64" Long, Basement Door.....	1,605.69	239.26
	08 34 23 00-0290	EA		19-1/2" High x 55" Wide x 72" Long, Basement Door.....	1,715.69	255.22
	08 34 23 00-0291	EA		52" High x 51" Wide x 43-1/4" Long, Basement Door.....	1,899.02	287.11
08 34 49	Radiation Shielding Doors and Frames (08 34)					
08 34 49 13	Neutron Shielding Doors and Frames (08 34 49)					
08 34 49 13-0001	Lead Lined Doors And Frames (08 34 49 13)					
	08 34 49 13-0002	SF		1/16" Thick Laminated Lead In Wood Door.....	151.80	12.77
	08 34 49 13-0003	SF		1/8" Thick Laminated Lead In Wood Door.....	187.77	12.77
	08 34 49 13-0004	LF		1/16" Thick Lead Lined Door Frame.....	166.58	12.77
	08 34 49 13-0005	LF		1/8" Thick Lead Lined Door Frame.....	178.57	12.77
08 34 53	Security Doors and Frames (08 34)					
08 34 53 00-0001	Metal Security Doors, Bullet Resistant (08 34 53)					
	Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.					
	08 34 53 00-0002	SF		Metal Security Door.....	78.12	8.92
	08 34 53 00-0003	EA		Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door.....	3,203.54	445.34
	08 34 53 00-0004	EA		Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	3,801.98	472.74
08 34 53 00-0005	Metal Security Doors (08 34 53)					
	Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.					
	08 34 53 00-0006	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	1,138.97	81.56
	Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.					
	08 34 53 00-0007	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	1,138.97	81.56
	Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.					
	08 34 53 00-0008	EA		Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,626.90	81.56
	Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.					
08 34 56	Security Gates (08 34)					
08 34 56 00-0001	Pivoting Double Folding Gate (08 34 56)					
	Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.					
	08 34 56 00-0002	EA		6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,291.21	243.05
	08 34 56 00-0003	EA		8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,449.55	273.44
	08 34 56 00-0004	EA		8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,559.11	303.82
	08 34 56 00-0005	EA		8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,717.45	334.20
	08 34 56 00-0006	EA		10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,467.89	246.09
	08 34 56 00-0007	EA		10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,577.70	276.47
	08 34 56 00-0008	EA		10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,729.89	306.85
	08 34 56 00-0009	EA		10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,846.20	337.23
	08 34 56 00-0010	EA		12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,547.13	249.13
	08 34 56 00-0011	EA		12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,656.60	279.51
	08 34 56 00-0012	EA		12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,748.08	294.70
	08 34 56 00-0013	EA		12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,839.87	309.89

08	Openings
08 30	Specialty Doors and Frames
08 34	Special Function Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,961.66	340.28
	08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,699.72	252.17
	08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,808.82	282.55
	08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,912.43	297.74
	08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,041.45	312.94
	08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,223.59	343.32
	08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,931.61	258.25
	08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,071.07	291.67
	08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,229.44	309.89
	08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	2,322.16	319.01
08 34 56 00-0024			Pivoting Single Folding Gate <small>(08 34 56)</small>		
			Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
	08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	877.03	170.14
	08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	937.96	176.22
	08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	998.92	182.29
	08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,072.02	194.44
	08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,120.72	206.60
	08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	937.78	176.22
	08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	999.00	182.29
	08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,059.94	188.37
	08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,132.99	200.52
	08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,181.96	212.67
	08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,023.12	182.29
	08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,084.34	188.37
	08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,145.18	194.44
	08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,218.45	206.60
	08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,291.83	218.75
08 34 56 00-0040			Window Gates, Expands From 2' To 4' <small>(08 34 56)</small>		
			Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
	08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	356.38	66.84
	08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	368.53	72.92
	08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	368.53	72.92
	08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	381.66	78.99
	08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	381.66	78.99
	08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	393.81	85.07
	08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	393.81	85.07
	08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	405.96	91.14
	08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	405.96	91.14
	08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	418.11	97.23
	08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	418.11	97.23
08 34 56 00-0052			Pivoting Door Gate, Expands From 2' To 4' <small>(08 34 56)</small>		
			Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
	08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	430.27	103.30
	08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	433.25	103.30
	08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	449.35	109.37
	08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	465.45	115.45
	08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	469.40	115.45
	08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	485.51	121.52
	08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	489.46	121.52
	08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	504.34	127.61
	08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	509.51	127.61
08 34 73			Sound Control Door Assemblies <small>(08 34)</small>		
08 34 73 13			Metal Sound Control Door Assemblies <small>(08 34 73)</small>		
08 34 73 13-0001			Steel Acoustical Door Assembly <small>(08 34 73 13)</small>		
			Note: Includes seal.		
08 34 73 13-0002			Steel Acoustical Doors <small>(08 34 73 13-0001)</small>		
			Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc.		
	08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	4,704.03	229.70
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,685.16	
			For Half Window Vision Lite, Add	1,744.23	
			For Full Window Vision Lite, Add	1,803.30	
			For 8' Height, Add	572.13	
			For 45 Minutes Fire Rated, Add	240.90	
			For 60 Minutes Fire Rated, Add	361.34	
			For 90 Minutes Fire Rated, Add	602.24	
			For 120 Minutes Fire Rated, Add	843.14	
			For 45 STC Rating, Deduct	-1,007.75	
			For 48 STC Rating, Deduct	-722.69	
			For 52 STC Rating, Add	562.09	
			For 55 STC Rating, Add	1,525.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73	13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	4,975.26	239.26
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,685.16	
			For Half Window Vision Lite, Add	1,744.23	
			For Full Window Vision Lite, Add	1,803.30	
			For 8' Height, Add	606.69	
			For 45 Minutes Fire Rated, Add	255.45	
			For 60 Minutes Fire Rated, Add	383.17	
			For 90 Minutes Fire Rated, Add	638.62	
			For 120 Minutes Fire Rated, Add	894.07	
			For 45 STC Rating, Deduct	-1,068.62	
			For 48 STC Rating, Deduct	-766.34	
			For 52 STC Rating, Add	596.04	
			For 55 STC Rating, Add	1,617.83	
08 34 73	13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,275.19	258.41
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,685.16	
			For Half Window Vision Lite, Add	1,744.23	
			For Full Window Vision Lite, Add	1,803.30	
			For 8' Height, Add	641.25	
			For 45 Minutes Fire Rated, Add	270.00	
			For 60 Minutes Fire Rated, Add	405.00	
			For 90 Minutes Fire Rated, Add	675.00	
			For 120 Minutes Fire Rated, Add	944.99	
			For 45 STC Rating, Deduct	-1,129.49	
			For 48 STC Rating, Deduct	-809.99	
			For 52 STC Rating, Add	630.00	
			For 55 STC Rating, Add	1,709.99	
08 34 73	13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated)	9,339.14	436.42
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Pair Accent Window Vision Lites, Add	3,370.31	
			For Pair Half Window Vision Lites, Add	3,488.46	
			For Pair Full Window Vision Lites, Add	3,606.61	
			For 8' Height, Add	1,144.26	
			For 45 Minutes Fire Rated, Add	481.79	
			For 60 Minutes Fire Rated, Add	722.69	
			For 90 Minutes Fire Rated, Add	1,204.48	
			For 120 Minutes Fire Rated, Add	1,686.27	
			For 45 STC Rating, Deduct	-2,015.50	
			For 48 STC Rating, Deduct	-1,445.38	
			For 52 STC Rating, Add	1,124.18	
			For 55 STC Rating, Add	3,051.35	
08 34 73	13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	9,835.66	440.25
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Pair Accent Window Vision Lites, Add	3,370.31	
			For Pair Half Window Vision Lites, Add	3,488.46	
			For Pair Full Window Vision Lites, Add	3,606.61	
			For 8' Height, Add	1,213.37	
			For 45 Minutes Fire Rated, Add	510.89	
			For 60 Minutes Fire Rated, Add	766.34	
			For 90 Minutes Fire Rated, Add	1,277.24	
			For 120 Minutes Fire Rated, Add	1,788.13	
			For 45 STC Rating, Deduct	-2,137.24	
			For 48 STC Rating, Deduct	-1,532.68	
			For 52 STC Rating, Add	1,192.09	
			For 55 STC Rating, Add	3,235.67	
08 34 73	13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,280.50	144.19
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,685.16	
			For Half Window Vision Lite, Add	1,744.23	
			For Full Window Vision Lite, Add	1,803.30	
			For 8' Height, Add	649.37	
			For 45 Minutes Fire Rated, Add	273.42	
			For 60 Minutes Fire Rated, Add	410.13	
			For 90 Minutes Fire Rated, Add	683.54	
			For 120 Minutes Fire Rated, Add	956.96	
			For 45 STC Rating, Deduct	-1,143.80	
			For 48 STC Rating, Deduct	-820.25	
			For 52 STC Rating, Add	637.97	
			For 55 STC Rating, Add	1,731.64	
08 34 73	13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	5,585.09	251.39
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,685.16	
			For Half Window Vision Lite, Add	1,744.23	
			For Full Window Vision Lite, Add	1,803.30	
			For 8' Height, Add	688.59	
			For 45 Minutes Fire Rated, Add	289.93	
			For 60 Minutes Fire Rated, Add	434.90	
			For 90 Minutes Fire Rated, Add	724.83	
			For 120 Minutes Fire Rated, Add	1,014.76	
			For 45 STC Rating, Deduct	-1,212.88	
			For 48 STC Rating, Deduct	-869.80	
			For 52 STC Rating, Add	676.51	
			For 55 STC Rating, Add	1,836.24	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0010	EA		4' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	5,921.60	271.81
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Accent Window Vision Lite, Add	1,685.16	
			For Half Window Vision Lite, Add	1,744.23	
			For Full Window Vision Lite, Add	1,803.30	
			For 8' Height, Add	727.81	
			For 45 Minutes Fire Rated, Add	306.45	
			For 60 Minutes Fire Rated, Add	459.67	
			For 90 Minutes Fire Rated, Add	766.12	
			For 120 Minutes Fire Rated, Add	1,072.57	
			For 45 STC Rating, Deduct	-1,281.97	
			For 48 STC Rating, Deduct	-919.34	
			For 52 STC Rating, Add	715.04	
			For 55 STC Rating, Add	1,940.83	
08 34 73 13-0011	PR		Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated).....	9,946.24	458.11
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Pair Accent Window Vision Lites, Add	3,370.31	
			For Pair Half Window Vision Lites, Add	3,488.46	
			For Pair Full Window Vision Lites, Add	3,606.61	
			For 8' Height, Add	1,221.50	
			For 45 Minutes Fire Rated, Add	514.31	
			For 60 Minutes Fire Rated, Add	771.47	
			For 90 Minutes Fire Rated, Add	1,285.79	
			For 120 Minutes Fire Rated, Add	1,800.10	
			For 45 STC Rating, Deduct	-2,151.55	
			For 48 STC Rating, Deduct	-1,542.94	
			For 52 STC Rating, Add	1,200.07	
			For 55 STC Rating, Add	3,257.32	
08 34 73 13-0012	PR		Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	10,476.78	461.94
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Pair Accent Window Vision Lites, Add	3,370.31	
			For Pair Half Window Vision Lites, Add	3,488.46	
			For Pair Full Window Vision Lites, Add	3,606.61	
			For 8' Height, Add	1,295.28	
			For 45 Minutes Fire Rated, Add	545.38	
			For 60 Minutes Fire Rated, Add	818.07	
			For 90 Minutes Fire Rated, Add	1,363.45	
			For 120 Minutes Fire Rated, Add	1,908.83	
			For 45 STC Rating, Deduct	-2,281.51	
			For 48 STC Rating, Deduct	-1,636.14	
			For 52 STC Rating, Add	1,272.55	
			For 55 STC Rating, Add	3,454.07	
08 34 73 13-0013			Steel Acoustical Door Frames <small>(08 34 73 13-0001)</small>		
			Note: Includes threshold and rating up to STC 55.		
08 34 73 13-0014	EA		3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,342.24	127.61
			For 8' Height, Add	325.66	
			For 45 Minutes Fire Rated, Add	198.23	
			For 60 Minutes Fire Rated, Add	339.82	
			For 90 Minutes Fire Rated, Add	481.41	
			For 120 Minutes Fire Rated, Add	679.63	
08 34 73 13-0015	EA		3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,422.45	127.61
			For 8' Height, Add	334.88	
			For 45 Minutes Fire Rated, Add	203.84	
			For 60 Minutes Fire Rated, Add	349.44	
			For 90 Minutes Fire Rated, Add	495.04	
			For 120 Minutes Fire Rated, Add	698.88	
08 34 73 13-0016	EA		3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,502.67	127.61
			For 8' Height, Add	344.11	
			For 45 Minutes Fire Rated, Add	209.46	
			For 60 Minutes Fire Rated, Add	359.07	
			For 90 Minutes Fire Rated, Add	508.68	
			For 120 Minutes Fire Rated, Add	718.14	
08 34 73 13-0017	EA		3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,582.89	127.61
			For 8' Height, Add	353.33	
			For 45 Minutes Fire Rated, Add	215.07	
			For 60 Minutes Fire Rated, Add	368.70	
			For 90 Minutes Fire Rated, Add	522.32	
			For 120 Minutes Fire Rated, Add	737.39	
08 34 73 13-0018	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,811.15	140.37
			For 8' Height, Add	373.71	
			For 45 Minutes Fire Rated, Add	227.48	
			For 60 Minutes Fire Rated, Add	389.96	
			For 90 Minutes Fire Rated, Add	552.45	
			For 120 Minutes Fire Rated, Add	779.92	
08 34 73 13-0019	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,900.69	140.37
			For 8' Height, Add	384.01	
			For 45 Minutes Fire Rated, Add	233.75	
			For 60 Minutes Fire Rated, Add	400.71	
			For 90 Minutes Fire Rated, Add	567.67	
			For 120 Minutes Fire Rated, Add	801.41	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0020	EA			3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,980.91	140.37
				<i>For 8' Height, Add</i>	393.24	
				<i>For 45 Minutes Fire Rated, Add</i>	239.36	
				<i>For 60 Minutes Fire Rated, Add</i>	410.33	
				<i>For 90 Minutes Fire Rated, Add</i>	581.30	
				<i>For 120 Minutes Fire Rated, Add</i>	820.67	
08 34 73 13-0021	EA			3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,080.40	140.37
				<i>For 8' Height, Add</i>	404.68	
				<i>For 45 Minutes Fire Rated, Add</i>	246.33	
				<i>For 60 Minutes Fire Rated, Add</i>	422.27	
				<i>For 90 Minutes Fire Rated, Add</i>	598.22	
				<i>For 120 Minutes Fire Rated, Add</i>	844.54	
08 34 73 13-0022	EA			4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,275.06	146.75
				<i>For 8' Height, Add</i>	424.13	
				<i>For 45 Minutes Fire Rated, Add</i>	258.16	
				<i>For 60 Minutes Fire Rated, Add</i>	442.57	
				<i>For 90 Minutes Fire Rated, Add</i>	626.97	
				<i>For 120 Minutes Fire Rated, Add</i>	885.14	
08 34 73 13-0023	EA			4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,355.27	146.75
				<i>For 8' Height, Add</i>	433.35	
				<i>For 45 Minutes Fire Rated, Add</i>	263.78	
				<i>For 60 Minutes Fire Rated, Add</i>	452.19	
				<i>For 90 Minutes Fire Rated, Add</i>	640.61	
				<i>For 120 Minutes Fire Rated, Add</i>	904.39	
08 34 73 13-0024	EA			4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,435.49	146.75
				<i>For 8' Height, Add</i>	442.58	
				<i>For 45 Minutes Fire Rated, Add</i>	269.40	
				<i>For 60 Minutes Fire Rated, Add</i>	461.82	
				<i>For 90 Minutes Fire Rated, Add</i>	654.25	
				<i>For 120 Minutes Fire Rated, Add</i>	923.64	
08 34 73 13-0025	EA			4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,525.03	146.75
				<i>For 8' Height, Add</i>	452.87	
				<i>For 45 Minutes Fire Rated, Add</i>	275.66	
				<i>For 60 Minutes Fire Rated, Add</i>	472.56	
				<i>For 90 Minutes Fire Rated, Add</i>	669.47	
				<i>For 120 Minutes Fire Rated, Add</i>	945.13	
08 34 73 13-0026	EA			6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,375.59	165.89
				<i>For 8' Height, Add</i>	771.88	
				<i>For 45 Minutes Fire Rated, Add</i>	469.84	
				<i>For 60 Minutes Fire Rated, Add</i>	805.44	
				<i>For 90 Minutes Fire Rated, Add</i>	1,141.04	
				<i>For 120 Minutes Fire Rated, Add</i>	1,610.88	
08 34 73 13-0027	EA			6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,452.08	165.89
				<i>For 8' Height, Add</i>	780.68	
				<i>For 45 Minutes Fire Rated, Add</i>	475.20	
				<i>For 60 Minutes Fire Rated, Add</i>	814.62	
				<i>For 90 Minutes Fire Rated, Add</i>	1,154.05	
				<i>For 120 Minutes Fire Rated, Add</i>	1,629.24	
08 34 73 13-0028	EA			6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,534.16	165.89
				<i>For 8' Height, Add</i>	790.12	
				<i>For 45 Minutes Fire Rated, Add</i>	480.94	
				<i>For 60 Minutes Fire Rated, Add</i>	824.47	
				<i>For 90 Minutes Fire Rated, Add</i>	1,168.00	
				<i>For 120 Minutes Fire Rated, Add</i>	1,648.94	
08 34 73 13-0029	EA			6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,618.10	165.89
				<i>For 8' Height, Add</i>	799.77	
				<i>For 45 Minutes Fire Rated, Add</i>	486.82	
				<i>For 60 Minutes Fire Rated, Add</i>	834.54	
				<i>For 90 Minutes Fire Rated, Add</i>	1,182.27	
				<i>For 120 Minutes Fire Rated, Add</i>	1,669.09	
08 34 73 13-0030	EA			7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,904.51	172.27
				<i>For 8' Height, Add</i>	829.77	
				<i>For 45 Minutes Fire Rated, Add</i>	505.08	
				<i>For 60 Minutes Fire Rated, Add</i>	865.85	
				<i>For 90 Minutes Fire Rated, Add</i>	1,226.62	
				<i>For 120 Minutes Fire Rated, Add</i>	1,731.70	
08 34 73 13-0031	EA			7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,986.73	172.27
				<i>For 8' Height, Add</i>	839.23	
				<i>For 45 Minutes Fire Rated, Add</i>	510.83	
				<i>For 60 Minutes Fire Rated, Add</i>	875.72	
				<i>For 90 Minutes Fire Rated, Add</i>	1,240.60	
				<i>For 120 Minutes Fire Rated, Add</i>	1,751.43	
08 34 73 13-0032	EA			7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,074.97	172.27
				<i>For 8' Height, Add</i>	849.38	
				<i>For 45 Minutes Fire Rated, Add</i>	517.01	
				<i>For 60 Minutes Fire Rated, Add</i>	886.31	
				<i>For 90 Minutes Fire Rated, Add</i>	1,255.60	
				<i>For 120 Minutes Fire Rated, Add</i>	1,772.61	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0033	EA		7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,165.21	172.27
			For 8' Height, Add	859.75	
			For 45 Minutes Fire Rated, Add	523.33	
			For 60 Minutes Fire Rated, Add	897.13	
			For 90 Minutes Fire Rated, Add	1,270.94	
			For 120 Minutes Fire Rated, Add	1,794.27	
08 34 73 13-0034	EA		3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,656.88	127.61
			For 8' Height, Add	361.84	
			For 45 Minutes Fire Rated, Add	220.25	
			For 60 Minutes Fire Rated, Add	377.57	
			For 90 Minutes Fire Rated, Add	534.90	
			For 120 Minutes Fire Rated, Add	755.15	
08 34 73 13-0035	EA		3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,746.01	127.61
			For 8' Height, Add	372.09	
			For 45 Minutes Fire Rated, Add	226.49	
			For 60 Minutes Fire Rated, Add	388.27	
			For 90 Minutes Fire Rated, Add	550.05	
			For 120 Minutes Fire Rated, Add	776.54	
08 34 73 13-0036	EA		3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,835.14	127.61
			For 8' Height, Add	382.34	
			For 45 Minutes Fire Rated, Add	232.73	
			For 60 Minutes Fire Rated, Add	398.97	
			For 90 Minutes Fire Rated, Add	565.20	
			For 120 Minutes Fire Rated, Add	797.93	
08 34 73 13-0037	EA		3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,924.27	127.61
			For 8' Height, Add	392.59	
			For 45 Minutes Fire Rated, Add	238.97	
			For 60 Minutes Fire Rated, Add	409.66	
			For 90 Minutes Fire Rated, Add	580.35	
			For 120 Minutes Fire Rated, Add	819.32	
08 34 73 13-0038	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,172.22	140.37
			For 8' Height, Add	415.24	
			For 45 Minutes Fire Rated, Add	252.75	
			For 60 Minutes Fire Rated, Add	433.29	
			For 90 Minutes Fire Rated, Add	613.83	
			For 120 Minutes Fire Rated, Add	866.58	
08 34 73 13-0039	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,271.72	140.37
			For 8' Height, Add	426.68	
			For 45 Minutes Fire Rated, Add	259.72	
			For 60 Minutes Fire Rated, Add	445.23	
			For 90 Minutes Fire Rated, Add	630.74	
			For 120 Minutes Fire Rated, Add	890.46	
08 34 73 13-0040	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,360.84	140.37
			For 8' Height, Add	436.93	
			For 45 Minutes Fire Rated, Add	265.96	
			For 60 Minutes Fire Rated, Add	455.92	
			For 90 Minutes Fire Rated, Add	645.89	
			For 120 Minutes Fire Rated, Add	911.85	
08 34 73 13-0041	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,471.39	140.37
			For 8' Height, Add	449.64	
			For 45 Minutes Fire Rated, Add	273.69	
			For 60 Minutes Fire Rated, Add	469.19	
			For 90 Minutes Fire Rated, Add	664.69	
			For 120 Minutes Fire Rated, Add	938.38	
08 34 73 13-0042	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,684.84	146.75
			For 8' Height, Add	471.25	
			For 45 Minutes Fire Rated, Add	286.85	
			For 60 Minutes Fire Rated, Add	491.74	
			For 90 Minutes Fire Rated, Add	696.63	
			For 120 Minutes Fire Rated, Add	983.48	
08 34 73 13-0043	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,773.97	146.75
			For 8' Height, Add	481.50	
			For 45 Minutes Fire Rated, Add	293.09	
			For 60 Minutes Fire Rated, Add	502.44	
			For 90 Minutes Fire Rated, Add	711.79	
			For 120 Minutes Fire Rated, Add	1,004.88	
08 34 73 13-0044	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,863.10	146.75
			For 8' Height, Add	491.75	
			For 45 Minutes Fire Rated, Add	299.33	
			For 60 Minutes Fire Rated, Add	513.13	
			For 90 Minutes Fire Rated, Add	726.94	
			For 120 Minutes Fire Rated, Add	1,026.27	
08 34 73 13-0045	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,962.59	146.75
			For 8' Height, Add	503.19	
			For 45 Minutes Fire Rated, Add	306.29	
			For 60 Minutes Fire Rated, Add	525.07	
			For 90 Minutes Fire Rated, Add	743.85	
			For 120 Minutes Fire Rated, Add	1,050.14	
08 34 73 13-0046	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,121.37	165.89
			For 8' Height, Add	857.65	
			For 45 Minutes Fire Rated, Add	522.05	
			For 60 Minutes Fire Rated, Add	894.94	
			For 90 Minutes Fire Rated, Add	1,267.83	
			For 120 Minutes Fire Rated, Add	1,789.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0047	EA			6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,206.35	165.89
				<i>For 8' Height, Add</i>	867.42	
				<i>For 45 Minutes Fire Rated, Add</i>	527.99	
				<i>For 60 Minutes Fire Rated, Add</i>	905.13	
				<i>For 90 Minutes Fire Rated, Add</i>	1,282.27	
				<i>For 120 Minutes Fire Rated, Add</i>	1,810.27	
08 34 73 13-0048	EA			6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,297.56	165.89
				<i>For 8' Height, Add</i>	877.91	
				<i>For 45 Minutes Fire Rated, Add</i>	534.38	
				<i>For 60 Minutes Fire Rated, Add</i>	916.08	
				<i>For 90 Minutes Fire Rated, Add</i>	1,297.78	
				<i>For 120 Minutes Fire Rated, Add</i>	1,832.16	
08 34 73 13-0049	EA			6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,390.83	165.89
				<i>For 8' Height, Add</i>	888.63	
				<i>For 45 Minutes Fire Rated, Add</i>	540.91	
				<i>For 60 Minutes Fire Rated, Add</i>	927.27	
				<i>For 90 Minutes Fire Rated, Add</i>	1,313.63	
				<i>For 120 Minutes Fire Rated, Add</i>	1,854.54	
08 34 73 13-0050	EA			7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,706.23	172.27
				<i>For 8' Height, Add</i>	921.97	
				<i>For 45 Minutes Fire Rated, Add</i>	561.20	
				<i>For 60 Minutes Fire Rated, Add</i>	962.06	
				<i>For 90 Minutes Fire Rated, Add</i>	1,362.91	
				<i>For 120 Minutes Fire Rated, Add</i>	1,924.11	
08 34 73 13-0051	EA			7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,797.58	172.27
				<i>For 8' Height, Add</i>	932.48	
				<i>For 45 Minutes Fire Rated, Add</i>	567.59	
				<i>For 60 Minutes Fire Rated, Add</i>	973.02	
				<i>For 90 Minutes Fire Rated, Add</i>	1,378.44	
				<i>For 120 Minutes Fire Rated, Add</i>	1,946.04	
08 34 73 13-0052	EA			7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,895.63	172.27
				<i>For 8' Height, Add</i>	943.75	
				<i>For 45 Minutes Fire Rated, Add</i>	574.46	
				<i>For 60 Minutes Fire Rated, Add</i>	984.78	
				<i>For 90 Minutes Fire Rated, Add</i>	1,395.11	
				<i>For 120 Minutes Fire Rated, Add</i>	1,969.57	
08 34 73 13-0053	EA			7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,995.89	172.27
				<i>For 8' Height, Add</i>	955.28	
				<i>For 45 Minutes Fire Rated, Add</i>	581.48	
				<i>For 60 Minutes Fire Rated, Add</i>	996.82	
				<i>For 90 Minutes Fire Rated, Add</i>	1,412.16	
				<i>For 120 Minutes Fire Rated, Add</i>	1,993.63	

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001				Wood Acoustical Door Assembly (08 34 73 16) Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.		
08 34 73 16-0002	EA			3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated)	2,614.95	357.30
				Note: Includes the prefinished door, frame, hinges and seals.		
				<i>For 20 Minutes Fire Rated, Add</i>	50.00	
				<i>For 45 Minutes Fire Rated, Add</i>	80.00	
				<i>For 60 Minutes Fire Rated, Add</i>	115.00	
				<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0003	EA			3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated)	2,811.54	357.30
				Note: Includes the prefinished door, frame, hinges and seals.		
				<i>For 20 Minutes Fire Rated, Add</i>	50.00	
				<i>For 45 Minutes Fire Rated, Add</i>	80.00	
				<i>For 60 Minutes Fire Rated, Add</i>	115.00	
				<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0004	EA			3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated)	2,920.75	357.30
				Note: Includes the prefinished door, frame, hinges and seals.		
				<i>For 20 Minutes Fire Rated, Add</i>	50.00	
				<i>For 45 Minutes Fire Rated, Add</i>	80.00	
				<i>For 60 Minutes Fire Rated, Add</i>	115.00	
				<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0005	EA			3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated)	3,029.97	357.30
				Note: Includes the prefinished door, frame, hinges and seals.		
				<i>For 20 Minutes Fire Rated, Add</i>	50.00	
				<i>For 45 Minutes Fire Rated, Add</i>	80.00	
				<i>For 60 Minutes Fire Rated, Add</i>	115.00	
				<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0006	EA			3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated)	3,510.51	357.30
				Note: Includes the prefinished door, frame, hinges and seals.		
				<i>For 20 Minutes Fire Rated, Add</i>	50.00	
				<i>For 45 Minutes Fire Rated, Add</i>	80.00	
				<i>For 60 Minutes Fire Rated, Add</i>	115.00	
				<i>For 90 Minutes Fire Rated, Add</i>	145.00	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0007	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated) Note: Includes the prefinished door, frame, hinges and seals.	4,558.98	357.30
08 34 73 16-0008	EA		3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated) Note: Includes the prefinished door, frame, hinges and seals.	4,762.12	357.30
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0009	EA		3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated) Note: Includes the prefinished door, frame, hinges and seals.	5,574.68	357.30
			<i>For 20 Minutes Fire Rated, Add</i>	50.00	
			<i>For 45 Minutes Fire Rated, Add</i>	80.00	
			<i>For 60 Minutes Fire Rated, Add</i>	115.00	
			<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0010	EA		3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated) Note: Includes the prefinished door, frame, hinges and seals.	6,180.82	357.30

08 35 Folding Doors and Grilles (08 30)**08 35 13 Folding Doors** (08 35)**08 35 13 13 Accordion Folding Doors** (08 35 13)

08 35 13 13-0001			Accordion Folding Doors (08 35 13 13) Note: Includes track, fittings and hardware, complete.		
08 35 13 13-0002	SF		Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door <i>For Fire Retardant, Add</i>	97.61 21.53	12.77
08 35 13 13-0003	SF		1/32" Thick, Single Ply Vinyl, Accordion Folding Door <i>For Fire Retardant, Add</i>	21.26 2.44	12.77
08 35 13 13-0004	SF		0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door <i>For Fire Retardant, Add</i>	45.17 8.42	12.77
08 35 13 13-0005	SF		3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High Density Engineered Wood Core Panel, Accordion Folding Door <i>For Fire Retardant, Add</i>	63.21 12.93	12.77

08 36 Panel Doors (08 30)**08 36 13 Sectional Doors** (08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1034 for forklift.

08 36 13 00-0001			Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002			Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA		8' x 8', Wood Sectional Door, Manual Lift	2,912.26	510.43
08 36 13 00-0004	EA		10' x 10', Wood Sectional Door, Manual Lift	3,587.30	566.58
08 36 13 00-0005	EA		12' x 12', Wood Sectional Door, Manual Lift	4,554.60	678.88
08 36 13 00-0006	EA		14' x 14', Wood Sectional Door, Manual Lift	6,465.78	786.06
08 36 13 00-0007	EA		12' x 16', Wood Sectional Door, Manual Lift	7,039.39	1,020.87
08 36 13 00-0008	EA		20' x 8', Wood Sectional Door, Manual Lift	6,858.36	1,276.08
08 36 13 00-0009	EA		20' x 16', Wood Sectional Door, Manual Lift	12,202.65	1,701.02
08 36 13 00-0010			Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA		9' x 7', Residential Grade, Wood Sectional Door, Manual Lift..... <i>For Hardboard Face, Add</i> <i>For Insulation, Add</i> <i>For Motor Operator With Remote Controls, Add</i> <i>For Each Glass Vision Panel In Door, Add</i>	1,499.20 115.00 117.00 486.57 50.00	255.22
08 36 13 00-0012	EA		16' x 7', Residential Grade, Wood Sectional Door, Manual Lift..... <i>For Hardboard Face, Add</i> <i>For Insulation, Add</i> <i>For Motor Operator With Remote Controls, Add</i> <i>For Each Glass Vision Panel In Door, Add</i>	2,308.23 115.00 117.00 524.50 50.00	255.22
08 36 13 00-0013			Sectional Metal Overhead Doors (Width x Height) (08 36 13) Note: Includes tracks and all hardware.		
08 36 13 00-0014			Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
08 36 13 00-0015			Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA		8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	1,969.33 156.03 269.02 122.67 343.27	446.63
08 36 13 00-0017	EA		8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,319.95 188.37 324.77 148.10 414.41	510.43



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0018	EA		8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,864.39	638.05
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	230.30	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	397.08	
			<i>For Aluminum, Mill Finish, Add</i>	181.07	
			<i>For Aluminum, Anodized Finish, Add</i>	506.67	
08 36 13 00-0019	EA		10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,220.63	510.43
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	173.97	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	299.94	
			<i>For Aluminum, Mill Finish, Add</i>	136.77	
			<i>For Aluminum, Anodized Finish, Add</i>	382.72	
08 36 13 00-0020	EA		10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,737.19	638.05
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	211.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	365.28	
			<i>For Aluminum, Mill Finish, Add</i>	166.57	
			<i>For Aluminum, Anodized Finish, Add</i>	466.09	
08 36 13 00-0021	EA		10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,445.84	829.46
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	259.11	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	446.74	
			<i>For Aluminum, Mill Finish, Add</i>	203.71	
			<i>For Aluminum, Anodized Finish, Add</i>	570.03	
08 36 13 00-0022	EA		10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,076.09	1,020.87
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	294.98	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	508.59	
			<i>For Aluminum, Mill Finish, Add</i>	231.92	
			<i>For Aluminum, Anodized Finish, Add</i>	648.96	
08 36 13 00-0023	EA		12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,653.59	638.05
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	199.74	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	344.38	
			<i>For Aluminum, Mill Finish, Add</i>	157.04	
			<i>For Aluminum, Anodized Finish, Add</i>	439.43	
08 36 13 00-0024	EA		12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,320.40	829.46
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	240.92	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	415.38	
			<i>For Aluminum, Mill Finish, Add</i>	189.41	
			<i>For Aluminum, Anodized Finish, Add</i>	530.02	
08 36 13 00-0025	EA		12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,053.42	1,020.87
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	291.70	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	502.92	
			<i>For Aluminum, Mill Finish, Add</i>	229.33	
			<i>For Aluminum, Anodized Finish, Add</i>	641.73	
08 36 13 00-0026	EA		12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,782.98	1,212.28
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	341.97	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	589.61	
			<i>For Aluminum, Mill Finish, Add</i>	268.86	
			<i>For Aluminum, Anodized Finish, Add</i>	752.34	
08 36 13 00-0027	EA		12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,709.83	1,467.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	402.35	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	693.71	
			<i>For Aluminum, Mill Finish, Add</i>	316.33	
			<i>For Aluminum, Anodized Finish, Add</i>	885.18	
08 36 13 00-0028	EA		14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,154.88	829.46
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	216.92	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	374.00	
			<i>For Aluminum, Mill Finish, Add</i>	170.54	
			<i>For Aluminum, Anodized Finish, Add</i>	477.22	
08 36 13 00-0029	EA		14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,880.94	1,020.87
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	266.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	459.80	
			<i>For Aluminum, Mill Finish, Add</i>	209.67	
			<i>For Aluminum, Anodized Finish, Add</i>	586.71	
08 36 13 00-0030	EA		14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,790.36	1,276.08
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	324.54	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	559.55	
			<i>For Aluminum, Mill Finish, Add</i>	255.15	
			<i>For Aluminum, Anodized Finish, Add</i>	713.99	
08 36 13 00-0031	EA		14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,523.40	1,467.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	375.32	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	647.11	
			<i>For Aluminum, Mill Finish, Add</i>	295.08	
			<i>For Aluminum, Anodized Finish, Add</i>	825.71	
08 36 13 00-0032	EA		14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,348.77	1,658.91
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	439.49	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	757.74	
			<i>For Aluminum, Mill Finish, Add</i>	345.53	
			<i>For Aluminum, Anodized Finish, Add</i>	966.88	
08 36 13 00-0033	EA		16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,819.95	1,020.87
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	257.84	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	444.56	
			<i>For Aluminum, Mill Finish, Add</i>	202.72	
			<i>For Aluminum, Anodized Finish, Add</i>	567.25	
08 36 13 00-0034	EA		16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,725.89	1,276.08
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	315.19	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	543.43	
			<i>For Aluminum, Mill Finish, Add</i>	247.81	
			<i>For Aluminum, Anodized Finish, Add</i>	693.42	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0035	EA		16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,556.49	1,467.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	380.12	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	655.38	
			<i>For Aluminum, Mill Finish, Add</i>	298.85	
			<i>For Aluminum, Anodized Finish, Add</i>	836.26	
08 36 13 00-0036	EA		16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,610.12	1,658.91
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	477.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	823.08	
			<i>For Aluminum, Mill Finish, Add</i>	375.32	
			<i>For Aluminum, Anodized Finish, Add</i>	1,050.25	
08 36 13 00-0037	EA		16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,697.29	1,914.12
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	561.01	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	967.26	
			<i>For Aluminum, Mill Finish, Add</i>	441.07	
			<i>For Aluminum, Anodized Finish, Add</i>	1,234.22	
08 36 13 00-0038	EA		18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,860.07	1,276.08
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	334.65	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	576.98	
			<i>For Aluminum, Mill Finish, Add</i>	263.10	
			<i>For Aluminum, Anodized Finish, Add</i>	736.22	
08 36 13 00-0039	EA		18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,796.95	1,467.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	414.99	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	715.49	
			<i>For Aluminum, Mill Finish, Add</i>	326.26	
			<i>For Aluminum, Anodized Finish, Add</i>	912.97	
08 36 13 00-0040	EA		18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,993.43	1,658.91
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	532.97	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	918.91	
			<i>For Aluminum, Mill Finish, Add</i>	419.02	
			<i>For Aluminum, Anodized Finish, Add</i>	1,172.53	
08 36 13 00-0041	EA		18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,082.35	1,914.12
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	616.84	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,063.52	
			<i>For Aluminum, Mill Finish, Add</i>	484.97	
			<i>For Aluminum, Anodized Finish, Add</i>	1,357.05	
08 36 13 00-0042	EA		18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,279.27	2,169.35
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	716.38	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,235.14	
			<i>For Aluminum, Mill Finish, Add</i>	563.22	
			<i>For Aluminum, Anodized Finish, Add</i>	1,576.04	
08 36 13 00-0043	EA		20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,523.40	1,467.49
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	375.32	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	647.11	
			<i>For Aluminum, Mill Finish, Add</i>	295.08	
			<i>For Aluminum, Anodized Finish, Add</i>	825.71	
08 36 13 00-0044	EA		20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,460.28	1,658.91
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	455.66	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	785.62	
			<i>For Aluminum, Mill Finish, Add</i>	358.24	
			<i>For Aluminum, Anodized Finish, Add</i>	1,002.45	
08 36 13 00-0045	EA		20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,948.20	1,914.12
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	597.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,029.98	
			<i>For Aluminum, Mill Finish, Add</i>	469.67	
			<i>For Aluminum, Anodized Finish, Add</i>	1,314.26	
08 36 13 00-0046	EA		20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,037.08	2,169.35
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	681.27	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,174.60	
			<i>For Aluminum, Mill Finish, Add</i>	535.62	
			<i>For Aluminum, Anodized Finish, Add</i>	1,498.78	
08 36 13 00-0047	EA		20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,112.14	2,424.55
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	908.14	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,565.75	
			<i>For Aluminum, Mill Finish, Add</i>	713.98	
			<i>For Aluminum, Anodized Finish, Add</i>	1,997.90	
08 36 13 00-0048	EA		22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,153.62	1,658.91
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	411.19	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	708.96	
			<i>For Aluminum, Mill Finish, Add</i>	323.28	
			<i>For Aluminum, Anodized Finish, Add</i>	904.63	
08 36 13 00-0049	EA		22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,573.61	1,914.12
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	543.07	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	936.34	
			<i>For Aluminum, Mill Finish, Add</i>	426.97	
			<i>For Aluminum, Anodized Finish, Add</i>	1,194.76	
08 36 13 00-0050	EA		22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,958.68	2,169.35
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	669.90	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,155.00	
			<i>For Aluminum, Mill Finish, Add</i>	526.68	
			<i>For Aluminum, Anodized Finish, Add</i>	1,473.77	
08 36 13 00-0051	EA		22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,549.36	2,424.55
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	826.53	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,425.06	
			<i>For Aluminum, Mill Finish, Add</i>	649.83	
			<i>For Aluminum, Anodized Finish, Add</i>	1,818.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0052	EA			22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	11,887.36 946.54 1,631.96 744.17 2,082.38	2,679.78
08 36 13 00-0053	EA			24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,833.11 435.70 751.21 342.55 958.54	1,914.12
08 36 13 00-0054	EA			24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	8,307.04 575.41 992.09 452.39 1,265.90	2,169.35
08 36 13 00-0055	EA			24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	10,082.42 758.83 1,308.32 596.59 1,669.42	2,424.55
08 36 13 00-0056	EA			24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	11,267.10 856.60 1,476.89 673.46 1,884.51	2,679.78
08 36 13 00-0057	EA			24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	12,636.50 981.15 1,691.64 771.39 2,158.53	2,934.98

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA			8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,482.07 181.13 506.83 198.60 397.21 1,032.73 1,986.03	446.63
08 36 13 00-0060	EA			8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,956.37 220.65 617.42 241.94 483.88 1,258.08 2,419.38	510.43
08 36 13 00-0061	EA			8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,632.16 268.59 751.59 294.51 589.02 1,531.45 2,945.10	638.05
08 36 13 00-0062	EA			10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,885.70 212.59 594.88 233.10 466.21 1,212.14 2,331.04	510.43
08 36 13 00-0063	EA			10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,545.10 258.67 723.82 283.63 567.26 1,474.86 2,836.28	638.05
08 36 13 00-0064	EA			10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,507.88 324.78 908.82 356.12 712.25 1,851.84 3,561.23	829.46
08 36 13 00-0065	EA			10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,235.75 364.12 1,018.89 399.25 798.51 2,076.11 3,992.53	1,020.87

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,412.02	638.05
			<i>For Aluminum, Mill Finish, Add</i>	243.50	
			<i>For Aluminum, Anodized Finish, Add</i>	681.36	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	266.99	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	533.99	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,388.36	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,669.93	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,256.52	829.46
			<i>For Aluminum, Mill Finish, Add</i>	296.13	
			<i>For Aluminum, Anodized Finish, Add</i>	828.64	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	324.70	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	649.41	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,688.45	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,247.03	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,191.40	1,020.87
			<i>For Aluminum, Mill Finish, Add</i>	359.06	
			<i>For Aluminum, Anodized Finish, Add</i>	1,004.74	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	393.71	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	787.42	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,047.29	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,937.09	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,072.04	1,212.28
			<i>For Aluminum, Mill Finish, Add</i>	415.81	
			<i>For Aluminum, Anodized Finish, Add</i>	1,163.55	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	455.94	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	911.87	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,370.87	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,559.36	
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,371.11	1,467.49
			<i>For Aluminum, Mill Finish, Add</i>	505.72	
			<i>For Aluminum, Anodized Finish, Add</i>	1,415.13	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	554.52	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,109.03	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,883.48	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,545.16	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,061.00	829.46
			<i>For Aluminum, Mill Finish, Add</i>	273.84	
			<i>For Aluminum, Anodized Finish, Add</i>	766.27	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	300.26	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	600.53	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,561.37	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,002.63	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,035.31	1,020.87
			<i>For Aluminum, Mill Finish, Add</i>	341.27	
			<i>For Aluminum, Anodized Finish, Add</i>	954.95	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	374.20	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	748.40	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,945.83	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,741.98	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,129.01	1,276.08
			<i>For Aluminum, Mill Finish, Add</i>	407.76	
			<i>For Aluminum, Anodized Finish, Add</i>	1,141.02	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	447.11	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	894.21	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,324.95	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,471.06	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,219.94	1,467.49
			<i>For Aluminum, Mill Finish, Add</i>	488.49	
			<i>For Aluminum, Anodized Finish, Add</i>	1,366.90	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	535.62	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,071.24	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,785.22	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,356.20	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,284.61	1,658.91
			<i>For Aluminum, Mill Finish, Add</i>	566.22	
			<i>For Aluminum, Anodized Finish, Add</i>	1,584.41	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	620.85	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,241.70	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,228.43	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,208.51	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,866.09	1,020.87
			<i>For Aluminum, Mill Finish, Add</i>	321.98	
			<i>For Aluminum, Anodized Finish, Add</i>	900.97	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	353.05	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	706.09	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,835.83	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,530.45	
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,260.45	1,276.08
			<i>For Aluminum, Mill Finish, Add</i>	422.75	
			<i>For Aluminum, Anodized Finish, Add</i>	1,182.94	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	463.54	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	927.07	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,410.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,635.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0078 EA 16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,308.67	1,467.49
For Aluminum, Mill Finish, Add	498.60	
For Aluminum, Anodized Finish, Add	1,395.21	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	546.71	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,093.42	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,842.90	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,467.11	
08 36 13 00-0079 EA 16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,363.46	1,658.91
For Aluminum, Mill Finish, Add	575.21	
For Aluminum, Anodized Finish, Add	1,609.57	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	630.71	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,261.42	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,279.68	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,307.08	
08 36 13 00-0080 EA 16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,886.02	1,914.12
For Aluminum, Mill Finish, Add	690.58	
For Aluminum, Anodized Finish, Add	1,932.42	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	757.22	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,514.44	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,937.54	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,572.19	
08 36 13 00-0081 EA 18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,622.95	1,276.08
For Aluminum, Mill Finish, Add	350.07	
For Aluminum, Anodized Finish, Add	979.58	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	383.85	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	767.70	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,996.01	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,838.49	
08 36 13 00-0082 EA 18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,958.70	1,467.49
For Aluminum, Mill Finish, Add	458.70	
For Aluminum, Anodized Finish, Add	1,283.57	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	502.97	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,005.93	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,615.42	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,029.65	
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,074.29	1,658.91
For Aluminum, Mill Finish, Add	542.24	
For Aluminum, Anodized Finish, Add	1,517.32	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	594.56	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,189.12	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,091.72	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,945.61	
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,053.60	1,914.12
For Aluminum, Mill Finish, Add	709.69	
For Aluminum, Anodized Finish, Add	1,985.88	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	778.17	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,556.33	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,046.46	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,781.66	
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,022.43	2,169.35
For Aluminum, Mill Finish, Add	761.95	
For Aluminum, Anodized Finish, Add	2,132.11	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	835.47	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,670.93	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,344.42	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,354.66	
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,927.49	1,467.49
For Aluminum, Mill Finish, Add	455.15	
For Aluminum, Anodized Finish, Add	1,273.61	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	499.06	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	998.13	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,595.13	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,990.64	
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,146.60	1,658.91
For Aluminum, Mill Finish, Add	550.48	
For Aluminum, Anodized Finish, Add	1,540.39	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	603.60	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,207.20	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,138.72	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,036.00	
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,390.41	1,914.12
For Aluminum, Mill Finish, Add	748.08	
For Aluminum, Anodized Finish, Add	2,093.32	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	820.27	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,640.54	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,265.39	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,202.68	
08 36 13 00-0089 EA 20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,323.09	2,169.35
For Aluminum, Mill Finish, Add	796.22	
For Aluminum, Anodized Finish, Add	2,228.02	
For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	873.05	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,746.10	
For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,539.85	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,730.49	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0090	EA		20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,142.99	2,424.55
			<i>For Aluminum, Mill Finish, Add</i>	945.50	
			<i>For Aluminum, Anodized Finish, Add</i>	2,645.74	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,036.73	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,073.46	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,391.00	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	10,367.31	
08 36 13 00-0091	EA		22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,606.04	1,658.91
			<i>For Aluminum, Mill Finish, Add</i>	488.86	
			<i>For Aluminum, Anodized Finish, Add</i>	1,367.95	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	536.03	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,072.06	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,787.36	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,360.30	
08 36 13 00-0092	EA		22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,388.20	1,914.12
			<i>For Aluminum, Mill Finish, Add</i>	633.83	
			<i>For Aluminum, Anodized Finish, Add</i>	1,773.62	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	694.99	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,389.98	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,613.95	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,949.91	
08 36 13 00-0093	EA		22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,142.37	2,169.35
			<i>For Aluminum, Mill Finish, Add</i>	775.62	
			<i>For Aluminum, Anodized Finish, Add</i>	2,170.37	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	850.46	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,700.92	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,422.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,504.59	
08 36 13 00-0094	EA		22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,520.30	2,424.55
			<i>For Aluminum, Mill Finish, Add</i>	874.51	
			<i>For Aluminum, Anodized Finish, Add</i>	2,447.10	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	958.90	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,917.79	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,986.25	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,588.95	
08 36 13 00-0095	EA		22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	14,274.44	2,679.78
			<i>For Aluminum, Mill Finish, Add</i>	1,016.30	
			<i>For Aluminum, Anodized Finish, Add</i>	2,843.86	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,114.36	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,228.73	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,794.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	11,143.64	
08 36 13 00-0096	EA		24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,479.61	1,914.12
			<i>For Aluminum, Mill Finish, Add</i>	530.25	
			<i>For Aluminum, Anodized Finish, Add</i>	1,483.78	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	581.42	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,162.84	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,023.37	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,814.18	
08 36 13 00-0097	EA		24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,444.11	2,169.35
			<i>For Aluminum, Mill Finish, Add</i>	696.02	
			<i>For Aluminum, Anodized Finish, Add</i>	1,947.63	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	763.18	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,526.35	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,968.52	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,631.76	
08 36 13 00-0098	EA		24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,104.64	2,424.55
			<i>For Aluminum, Mill Finish, Add</i>	827.13	
			<i>For Aluminum, Anodized Finish, Add</i>	2,314.50	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	906.94	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,813.88	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,716.08	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,069.38	
08 36 13 00-0099	EA		24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,862.06	2,679.78
			<i>For Aluminum, Mill Finish, Add</i>	969.29	
			<i>For Aluminum, Anodized Finish, Add</i>	2,712.31	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,062.82	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,125.63	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,526.64	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	10,628.16	
08 36 13 00-0100	EA		24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	15,591.59	2,934.98
			<i>For Aluminum, Mill Finish, Add</i>	1,108.27	
			<i>For Aluminum, Anodized Finish, Add</i>	3,101.20	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,215.20	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,430.41	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,319.06	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	12,152.04	
08 36 13 00-0101			Residential Grade, Galvanized Steel Sectional Overhead Doors <small>(08 36 13 00-0013)</small>		
			Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA		9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,116.78	255.22
			<i>For Aluminum And Fiberglass, Add</i>	148.41	
			<i>For Each Glass Vision Panel In Door, Add</i>	27.00	
			<i>For Insulated Door, Add</i>	253.73	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 36 13 00-0103	EA		9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,202.69 175.04 27.00 299.26	255.22
	08 36 13 00-0104	EA		16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,520.06 245.43 27.00 419.60	291.97
	08 36 13 00-0105	EA		16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,655.06 287.28 27.00 491.15	291.97
	08 36 13 00-0106			Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports <small>(08 36 13 00-0013)</small> Note: Includes storage, cleaning and supply materials.		
	08 36 13 00-0107	SF		Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	18.17	
	08 36 13 00-0108			Sectional Fiberglass Overhead Doors (Width x Height) <small>(08 36 13)</small>		
	08 36 13 00-0109			Fiberglass Sectional Overhead Doors <small>(08 36 13 00-0108)</small>		
	08 36 13 00-0110			Non-Insulated, Fiberglass Sectional Doors <small>(08 36 13 00-0109)</small> Note: Includes 2" door, tracks and hardware. Excludes frame.		
	08 36 13 00-0111	EA		8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,333.29	446.63
	08 36 13 00-0112	EA		8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,756.83	510.43
	08 36 13 00-0113	EA		8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,284.40	638.05
	08 36 13 00-0114	EA		10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,728.41	510.43
	08 36 13 00-0115	EA		10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,232.48	574.24
	08 36 13 00-0116	EA		10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,084.19	797.55
	08 36 13 00-0117	EA		10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,939.88	1,020.87
	08 36 13 00-0118	EA		12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,244.14	638.05
	08 36 13 00-0119	EA		12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,067.62	797.55
	08 36 13 00-0120	EA		12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,881.23	957.06
	08 36 13 00-0121	EA		12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,012.25	1,276.08
	08 36 13 00-0122	EA		12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,021.42	1,531.30
	08 36 13 00-0123	EA		14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,014.80	893.25
	08 36 13 00-0124	EA		14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,840.41	1,020.87
	08 36 13 00-0125	EA		14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,926.99	1,276.08
	08 36 13 00-0126	EA		14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,011.94	1,531.30
	08 36 13 00-0127	EA		14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,844.41	1,658.91
	08 36 13 00-0128	EA		16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,563.32	1,020.87
	08 36 13 00-0129	EA		16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,444.24	1,148.48
	08 36 13 00-0130	EA		16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,595.19	1,403.69
	08 36 13 00-0131	EA		16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,733.10	1,658.91
	08 36 13 00-0132	EA		16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	8,616.94	1,786.52
	08 36 13 00-0133			Insulated, Fiberglass Sectional Doors <small>(08 36 13 00-0109)</small> Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
	08 36 13 00-0134	EA		8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,808.46	446.63
	08 36 13 00-0135	EA		8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,329.70	510.43
	08 36 13 00-0136	EA		8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,947.14	638.05
	08 36 13 00-0137	EA		10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,291.90	510.43
	08 36 13 00-0138	EA		10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,920.24	574.24
	08 36 13 00-0139	EA		10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,905.59	797.55
	08 36 13 00-0140	EA		10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,896.48	1,020.87
	08 36 13 00-0141	EA		12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,893.60	638.05
	08 36 13 00-0142	EA		12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,883.54	797.55
	08 36 13 00-0143	EA		12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,860.50	957.06
	08 36 13 00-0144	EA		12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,154.07	1,276.08
	08 36 13 00-0145	EA		12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,328.15	1,531.30
	08 36 13 00-0146	EA		14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,750.23	893.25
	08 36 13 00-0147	EA		14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,764.19	1,020.87
	08 36 13 00-0148	EA		14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,040.68	1,276.08
	08 36 13 00-0149	EA		14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,315.55	1,531.30
	08 36 13 00-0150	EA		14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,338.71	1,658.91
	08 36 13 00-0151	EA		16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,395.66	1,020.87
	08 36 13 00-0152	EA		16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,482.91	1,148.48
	08 36 13 00-0153	EA		16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,844.87	1,403.69
	08 36 13 00-0154	EA		16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,190.67	1,658.91
	08 36 13 00-0155	EA		16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,281.62	1,786.52
	08 36 13 00-0156			Sectional Overhead Door Accessories <small>(08 36 13)</small>		
	08 36 13 00-0157			Sectional Overhead Door Accessories <small>(08 36 13 00-0156)</small>		
	08 36 13 00-0158	LF		Flap Seal For Sectional Overhead Doors	4.33	
	08 36 13 00-0159	LF		Weather Seal At Top Of Door For Sectional Overhead Doors.....	6.11	
	08 36 13 00-0160	LF		Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors.....	3.66	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0161	EA		Cylinder Lock For Sectional Overhead Doors.....	346.51	
08 36 13 00-0162	EA		Manual Chain Hoist For Sectional Overhead Doors.....	684.97	
08 36 13 00-0163	EA		3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....	2,666.76	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA		1/2 HP Trolley Operator For Sectional Overhead Doors.....	1,265.37	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	EA		3/4 HP Trolley Operator For Sectional Overhead Doors.....	1,616.63	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
			<i>For Door Height >12', Add</i>	10.00	
			<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 36 13 00-0166	SF		Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	38.13	
			Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF		>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	23.78	
			Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF		Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	39.86	
			Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF		>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	27.18	
			Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF		Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	64.13	
			Note: Additional cost for factory supplied.		
08 36 13 00-0171	SF		>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	43.28	
			Note: Additional cost for factory supplied.		
08 36 13 00-0172	EA		Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door.....	628.30	
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA		Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door.....	977.09	
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	EA		Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door.....	1,452.66	
			Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0175	SF		25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.80	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF		50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	2.32	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0177	SF		100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	3.06	
			Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors (08 30)**08 38 13 Flexible Strip Doors** (08 38)**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors** (08 38 13)

08 38 13 00-0002	SF		8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	24.21	7.66
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	0.76	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	1.60	
08 38 13 00-0003	SF		8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	33.72	10.21
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.08	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	2.26	
08 38 13 00-0004	SF		12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	21.08	6.38
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	0.96	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	2.02	
08 38 13 00-0005	SF		12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	27.37	7.02
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.21	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	2.53	
08 38 13 00-0006	SF		16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	22.42	6.38
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.22	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	2.56	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)

08 38 13 00-0008	EA		8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip.....	73.73	35.99
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.50	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	3.16	
08 38 13 00-0009	EA		8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip.....	75.84	35.99
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	1.71	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	3.60	
08 38 13 00-0010	EA		12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip.....	107.88	44.53
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	3.51	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	7.38	
08 38 13 00-0011	EA		12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip.....	115.01	44.53
			<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	4.23	
			<i>Note: Low temperature to -40 degree F.</i>		
			<i>For Ribbed Strip Material, Add</i>	8.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0012 EA 12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	121.71 4.90	44.53
08 38 13 00-0013 EA 16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	205.62 11.47 24.09	45.43
08 38 16 Flexible Traffic Doors (08 38)		
Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004 EA 72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,743.01	127.61
08 38 16 00-0005 EA 72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,300.70	127.61
08 38 16 00-0006 EA 96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	15,339.48	146.75
08 38 16 00-0007 EA 96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	17,219.91	159.51
08 38 16 00-0008 EA 108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	26,871.13	159.51
08 38 16 00-0009 EA 108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	28,119.65	159.51
08 38 16 00-0010 EA 120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	31,281.71	191.41
08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0012 EA 72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,519.39	127.61
08 38 16 00-0013 EA 72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,140.44	127.61
08 38 16 00-0014 EA 96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	18,199.23	146.75
08 38 16 00-0015 EA 96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	20,066.96	159.51
08 38 16 00-0016 EA 108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	30,136.31	159.51
08 38 16 00-0017 EA 108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	31,406.32	159.51
08 38 16 00-0018 EA 120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	34,938.22	191.41
08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliaison FMP) (08 38 16) Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0022 EA 24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,912.16	70.18
08 38 16 00-0023 EA 40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,145.64	70.18
08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0025 EA 24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,145.64	70.18
08 38 16 00-0026 EA 40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,211.50	70.18
08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0029 EA 48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	5,786.05	121.23
08 38 16 00-0030 EA 80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,253.01	121.23
08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0032 EA 48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,253.01	121.23
08 38 16 00-0033 EA 80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,384.71	121.23

08 38 19 Rigid Traffic Doors (08 38)

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001	EA	0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) <small>(08 38 19)</small>		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,385.57	70.18
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,493.33	70.18
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,541.64	73.37
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,607.49	73.37
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,679.74	76.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,823.42	76.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,884.44	86.14
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,571.16	70.18
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,654.97	70.18
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,709.26	73.37
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,757.16	73.37
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,925.20	76.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,961.12	76.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,016.15	86.14
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,732.86	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,948.38	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,032.19	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,163.90	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,308.41	127.61
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,595.77	127.61
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,679.58	127.61
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,104.03	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,271.66	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,367.45	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,463.23	121.23
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,799.31	127.61
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,871.15	127.61
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,942.99	127.61
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036		3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison P-11 Plus) <small>(08 38 19)</small> Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0037		Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038		84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,487.11	70.18
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,768.49	70.18
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,888.63	73.37
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,008.36	73.37
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,050.68	76.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,296.14	76.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,536.75	86.14
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,578.66	86.14
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047		96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,726.58	70.18
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,019.92	70.18
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,140.07	73.37
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,289.74	73.37
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,403.90	76.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,643.36	76.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,758.26	86.14
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,907.92	86.14
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0056		Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0057		84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,935.95	121.23
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,498.69	121.23
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,726.18	121.23
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,965.65	121.23
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,050.29	127.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,541.19	127.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,984.20	127.61
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,068.02 6.00 19.00	127.61
08 38 19 00-0066				96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0066)</small>		
	08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	5,414.88 6.00 19.00	121.23
	08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,001.57 6.00 19.00	121.23
	08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,229.06 6.00 19.00	121.23
	08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,528.39 6.00 19.00	121.23
	08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,756.71 6.00 19.00	127.61
	08 38 19 00-0072	EA		80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,235.64 6.00 19.00	127.61
	08 38 19 00-0073	EA		84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,427.21 6.00 19.00	127.61
	08 38 19 00-0074	EA		88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,726.55 6.00 19.00	127.61
08 38 19 00-0075				3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small> Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076				Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0077				84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
	08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,043.23 6.00 19.00	70.18
	08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,461.91 6.00 19.00	70.18
	08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,579.96 6.00 19.00	73.37
	08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,621.83 6.00 19.00	73.37
	08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,670.10 6.00 19.00	76.56
	08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,060.87 6.00 19.00	76.56
	08 38 19 00-0084	EA		42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,400.97 6.00 19.00	86.14
	08 38 19 00-0085	EA		44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,449.82 6.00 19.00	86.14
08 38 19 00-0086				96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
	08 38 19 00-0087	EA		24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,133.94 6.00 19.00	70.18
	08 38 19 00-0088	EA		28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,650.32 6.00 19.00	70.18
	08 38 19 00-0089	EA		30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,775.35 6.00 19.00	73.37
	08 38 19 00-0090	EA		32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,831.17 6.00 19.00	73.37

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0091	EA		36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,851.53	76.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0092	EA		40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,137.63	76.56
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0093	EA		42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,470.75	86.14
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,526.58	86.14
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0095			Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS)		
			Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096			84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene		
			Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	6,048.17	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	6,885.54	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	7,108.84	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	7,192.58	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	7,289.11	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	8,070.66	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	8,712.64	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	8,810.33	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0105			96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene		
			Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	6,229.60	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	7,262.36	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	7,499.61	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	7,611.26	121.23
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	7,651.97	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	8,224.18	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	8,852.20	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	8,963.85	127.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0114			1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason		
			SCP-2) <small>(08 38 19)</small>		
			Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115			Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic		
			Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116			84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact		
			Traffic Doors <small>(08 38 19 00-0115)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0117	EA			24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,349.19 22.00 28.00 41.00	70.18
08 38 19 00-0118	EA			28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,666.48 22.00 28.00 41.00	70.18
08 38 19 00-0119	EA			30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,756.69 22.00 28.00 41.00	73.37
08 38 19 00-0120	EA			32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,834.52 22.00 28.00 41.00	73.37
08 38 19 00-0121	EA			36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,972.63 22.00 28.00 41.00	76.56
08 38 19 00-0122	EA			40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,122.29 22.00 28.00 41.00	76.56
08 38 19 00-0123	EA			42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,261.14 22.00 28.00 41.00	86.14
08 38 19 00-0124	EA			44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,362.91 22.00 28.00 41.00	86.14
08 38 19 00-0125				96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA			24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,618.59 22.00 28.00 41.00	70.18
08 38 19 00-0127	EA			28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,953.84 22.00 28.00 41.00	70.18
08 38 19 00-0128	EA			30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,050.04 22.00 28.00 41.00	73.37
08 38 19 00-0129	EA			32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,091.95 22.00 28.00 41.00	73.37
08 38 19 00-0130	EA			36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,218.08 22.00 28.00 41.00	76.56
08 38 19 00-0131	EA			40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,415.64 22.00 28.00 41.00	76.56
08 38 19 00-0132	EA			42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,530.53 22.00 28.00 41.00	86.14
08 38 19 00-0133	EA			44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,632.31 22.00 28.00 41.00	86.14
08 38 19 00-0134				Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135				84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA			48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,660.10 22.00 28.00 41.00	121.23
08 38 19 00-0137	EA			56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,294.68 22.00 28.00 41.00	121.23

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,462.31	121.23
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,617.96	121.23
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,894.17	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,193.50	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,432.97	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,636.52	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0144		96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,198.90	121.23
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	7,869.40	121.23
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,049.00	121.23
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,132.81	121.23
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,385.08	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,780.20	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	8,971.77	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	9,175.31	127.61
		<i>For Each 14" x 16" Window, Add</i>	22.00	
		<i>For Each 15" x 20" Window, Add</i>	28.00	
		<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0153		1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) <small>(08 38 19 00-0153)</small>		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154		Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
08 38 19 00-0155		84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,289.32	70.18
		<i>For Each 15" x 20" Window, Add</i>	6.00	
		<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,462.94	70.18
		<i>For Each 15" x 20" Window, Add</i>	6.00	
		<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,624.99	73.37
		<i>For Each 15" x 20" Window, Add</i>	6.00	
		<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,726.76	73.37
		<i>For Each 15" x 20" Window, Add</i>	6.00	
		<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,984.60	76.56
		<i>For Each 15" x 20" Window, Add</i>	6.00	
		<i>For Each 18" x 30" Window, Add</i>	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,188.15 6.00 19.00	76.56
	08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,368.89 6.00 19.00	86.14
	08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,560.47 6.00 19.00	86.14
	08 38 19 00-0164			90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
	08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,409.06 6.00 19.00	70.18
	08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,618.59 6.00 19.00	70.18
	08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,726.76 6.00 19.00	73.37
	08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,870.44 6.00 19.00	73.37
	08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,146.24 6.00 19.00	76.56
	08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,391.69 6.00 19.00	76.56
	08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,560.47 6.00 19.00	86.14
	08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,740.07 6.00 19.00	86.14
	08 38 19 00-0173			96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
	08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,714.37 6.00 19.00	70.18
	08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,756.28 6.00 19.00	70.18
	08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,936.29 6.00 19.00	73.37
	08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,068.00 6.00 19.00	73.37
	08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,349.78 6.00 19.00	76.56
	08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,643.13 6.00 19.00	76.56
	08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,799.93 6.00 19.00	86.14
	08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,979.53 6.00 19.00	86.14
	08 38 19 00-0182			Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
	08 38 19 00-0183			84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,540.37 6.00 19.00	121.23
	08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,887.59 6.00 19.00	121.23
	08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,198.90 6.00 19.00	121.23
	08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,402.44 6.00 19.00	121.23

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,918.12 6.00 19.00	127.61
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,325.21 6.00 19.00	127.61
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,648.49 6.00 19.00	127.61
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,031.63 6.00 19.00	127.61
08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,779.83 6.00 19.00	121.23
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,198.90 6.00 19.00	121.23
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,402.44 6.00 19.00	121.23
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,689.80 6.00 19.00	121.23
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,241.40 6.00 19.00	127.61
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,732.30 6.00 19.00	127.61
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,031.63 6.00 19.00	127.61
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,390.83 6.00 19.00	127.61
08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,390.47 6.00 19.00	121.23
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,474.28 6.00 19.00	121.23
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,821.51 6.00 19.00	121.23
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,084.92 6.00 19.00	121.23
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,648.49 6.00 19.00	127.61
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,235.18 6.00 19.00	127.61
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,510.57 6.00 19.00	127.61
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,869.76 6.00 19.00	127.61
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliaison HFG-10) <small>(08 38 19 00-0210)</small> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,289.32 6.00 19.00	70.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,462.94 6.00 19.00	70.18
	08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,624.99 6.00 19.00	73.37
	08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,726.76 6.00 19.00	73.37
	08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,984.60 6.00 19.00	76.56
	08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,188.15 6.00 19.00	76.56
	08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,368.89 6.00 19.00	86.14
	08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,560.47 6.00 19.00	86.14
	08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
	08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,409.06 6.00 19.00	70.18
	08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,618.59 6.00 19.00	70.18
	08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,726.76 6.00 19.00	73.37
	08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,870.44 6.00 19.00	73.37
	08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,146.24 6.00 19.00	76.56
	08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,391.69 6.00 19.00	76.56
	08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,560.47 6.00 19.00	86.14
	08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,740.07 6.00 19.00	86.14
	08 38 19 00-0230			96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
	08 38 19 00-0231	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,714.37 6.00 19.00	70.18
	08 38 19 00-0232	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,756.28 6.00 19.00	70.18
	08 38 19 00-0233	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,936.29 6.00 19.00	73.37
	08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,068.00 6.00 19.00	73.37
	08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,349.78 6.00 19.00	76.56
	08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,643.13 6.00 19.00	76.56
	08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,799.93 6.00 19.00	86.14
	08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	4,979.53 6.00 19.00	86.14
	08 38 19 00-0239			Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
	08 38 19 00-0240			84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,540.37 6.00 19.00	121.23
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,887.59 6.00 19.00	121.23
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,198.90 6.00 19.00	121.23
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,402.44 6.00 19.00	121.23
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,918.12 6.00 19.00	127.61
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,325.21 6.00 19.00	127.61
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,648.49 6.00 19.00	127.61
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,031.63 6.00 19.00	127.61
08 38 19 00-0249			90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	6,779.83 6.00 19.00	121.23
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,198.90 6.00 19.00	121.23
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,402.44 6.00 19.00	121.23
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,689.80 6.00 19.00	121.23
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,241.40 6.00 19.00	127.61
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,732.30 6.00 19.00	127.61
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,031.63 6.00 19.00	127.61
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,390.83 6.00 19.00	127.61
08 38 19 00-0258			96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,390.47 6.00 19.00	121.23
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,474.28 6.00 19.00	121.23
08 38 19 00-0261	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	7,821.51 6.00 19.00	121.23
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,084.92 6.00 19.00	121.23
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	8,648.49 6.00 19.00	127.61
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,235.18 6.00 19.00	127.61
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,510.57 6.00 19.00	127.61
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	9,869.76 6.00 19.00	127.61
08 38 19 00-0267			Rigid Impact Traffic Door Accessories <small>(08 38 19)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0268 Bumper Strips For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two bumpers per set.</small>		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors	272.55	51.04
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors	302.48	51.04
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors	326.43	51.04
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors	368.33	51.04
08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two bumpers per set.</small>		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors	757.46	51.04
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,008.90	51.04
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,493.82	51.04
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors	1,727.30	51.04
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors	1,966.76	51.04
08 38 19 00-0279 Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two 0.090" thermoplastic plates per set.</small>		
08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0281 SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates	326.43	51.04
08 38 19 00-0282 SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates	350.37	51.04
08 38 19 00-0283 SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates	380.31	51.04
08 38 19 00-0284 SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates	422.21	51.04
08 38 19 00-0285 SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates	446.16	51.04
08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0287 SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates	446.16	51.04
08 38 19 00-0288 SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates	553.92	51.04
08 38 19 00-0289 SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates	613.78	51.04
08 38 19 00-0290 SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates	697.60	51.04
08 38 19 00-0291 SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates	751.48	51.04
08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0293 SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates	553.92	51.04
08 38 19 00-0294 SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates	649.70	51.04
08 38 19 00-0295 SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates	721.54	51.04
08 38 19 00-0296 SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates	853.25	51.04
08 38 19 00-0297 SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates	943.05	51.04
08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0299 SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates	613.78	51.04
08 38 19 00-0300 SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates	721.54	51.04
08 38 19 00-0301 SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	841.28	51.04
08 38 19 00-0302 SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	907.13	51.04
08 38 19 00-0303 SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,008.90	51.04
08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0305 SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	751.48	51.04
08 38 19 00-0306 SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	943.05	51.04
08 38 19 00-0307 SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,008.90	51.04
08 38 19 00-0308 SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,134.62	51.04
08 38 19 00-0309 SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,272.31	51.04
08 38 19 00-0310 Base Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two base plates per set.</small>		
08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0313 SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	314.45	51.04
08 38 19 00-0314 SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	338.40	51.04
08 38 19 00-0315 SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	350.37	51.04
08 38 19 00-0316 SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	404.25	51.04
08 38 19 00-0317 SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	428.20	51.04
08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0319 SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	404.25	51.04
08 38 19 00-0320 SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	440.17	51.04
08 38 19 00-0321 SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	476.09	51.04
08 38 19 00-0322 SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	506.02	51.04
08 38 19 00-0323 SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	553.92	51.04

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0324 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0325 SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	464.12	51.04
08 38 19 00-0326 SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	494.05	51.04
08 38 19 00-0327 SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	565.89	51.04
08 38 19 00-0328 SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	643.72	51.04
08 38 19 00-0329 SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	679.64	51.04
08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0331 SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	494.05	51.04
08 38 19 00-0332 SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	553.92	51.04
08 38 19 00-0333 SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	643.72	51.04
08 38 19 00-0334 SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	715.56	51.04
08 38 19 00-0335 SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	757.46	51.04
08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0337 SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	631.74	51.04
08 38 19 00-0338 SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	715.56	51.04
08 38 19 00-0339 SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	829.30	51.04
08 38 19 00-0340 SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	883.18	51.04
08 38 19 00-0341 SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	955.02	51.04
08 38 19 00-0342 Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0343 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>		
08 38 19 00-0344 SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	422.21	51.04
08 38 19 00-0345 SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	446.16	51.04
08 38 19 00-0346 SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	518.00	51.04
08 38 19 00-0347 SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	553.92	51.04
08 38 19 00-0348 SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	655.69	51.04
08 38 19 00-0349 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>		
08 38 19 00-0350 SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	589.84	51.04
08 38 19 00-0351 SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	697.60	51.04
08 38 19 00-0352 SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	805.36	51.04
08 38 19 00-0353 SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	937.06	51.04
08 38 19 00-0354 SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,056.80	51.04
08 38 19 00-0355 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>		
08 38 19 00-0356 SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	673.65	51.04
08 38 19 00-0357 SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	817.33	51.04
08 38 19 00-0358 SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	949.04	51.04
08 38 19 00-0359 SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,086.73	51.04
08 38 19 00-0360 SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,248.37	51.04
08 38 19 00-0361 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>		
08 38 19 00-0362 SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	781.41	51.04
08 38 19 00-0363 SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	937.06	51.04
08 38 19 00-0364 SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,116.66	51.04
08 38 19 00-0365 SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,290.27	51.04
08 38 19 00-0366 SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,439.94	51.04
08 38 19 00-0367 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>		
08 38 19 00-0368 SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	972.98	51.04
08 38 19 00-0369 SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,344.15	51.04
08 38 19 00-0370 SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,439.94	51.04
08 38 19 00-0371 SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,727.30	51.04
08 38 19 00-0372 SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,894.93	51.04
08 38 19 00-0373 One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0374 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
08 38 19 00-0375 SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	374.32	51.04
08 38 19 00-0376 SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	404.25	51.04
08 38 19 00-0377 SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	440.17	51.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0378 SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	482.08	51.04
08 38 19 00-0379 SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	547.93	51.04
08 38 19 00-0380 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381 SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	506.02	51.04
08 38 19 00-0382 SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	577.86	51.04
08 38 19 00-0383 SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	649.70	51.04
08 38 19 00-0384 SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	727.53	51.04
08 38 19 00-0385 SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	817.33	51.04
08 38 19 00-0386 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387 SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	577.86	51.04
08 38 19 00-0388 SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	667.66	51.04
08 38 19 00-0389 SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	769.44	51.04
08 38 19 00-0390 SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	895.16	51.04
08 38 19 00-0391 SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	978.97	51.04
08 38 19 00-0392 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393 SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	649.70	51.04
08 38 19 00-0394 SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	769.44	51.04
08 38 19 00-0395 SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	895.16	51.04
08 38 19 00-0396 SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,020.88	51.04
08 38 19 00-0397 SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,110.68	51.04
08 38 19 00-0398 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399 SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	817.33	51.04
08 38 19 00-0400 SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,002.92	51.04
08 38 19 00-0401 SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,110.68	51.04
08 38 19 00-0402 SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,326.19	51.04
08 38 19 00-0403 SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,386.06	51.04
08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)		
08 38 19 00-0405 EA 3" x 9", Jamb Guard For Impact Traffic Doors	512.81	63.81
08 38 19 00-0406 EA 5" x 18", Jamb Guard For Impact Traffic Doors	692.41	63.81
08 38 19 00-0407 EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,350.94	63.81
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409 EA Push Plate For Impact Traffic Doors	127.69	31.90
08 38 19 00-0410 EA Pull Handle For Impact Traffic Doors	169.59	31.90
08 38 19 00-0411 EA Deadbolt Lock For Impact Traffic Doors	427.02	31.90
08 38 19 00-0412 PR Lock Hole Reinforcements For Impact Traffic Doors	534.78	31.90
08 38 19 00-0413 PR Padlock Brackets For Impact Traffic Doors	211.50	31.90
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0417 EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,260.68	95.70
08 38 19 00-0418 EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,483.49	105.28
08 38 19 00-0419 EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,516.60	111.66
08 38 19 00-0420 EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,553.52	121.23
08 38 19 00-0421 EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,589.22	127.61
08 38 19 00-0422 EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,656.88	133.99
08 38 19 00-0423 EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,706.40	140.37
08 38 19 00-0424 EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,739.27	146.75
08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0426 EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,287.38	95.70
08 38 19 00-0427 EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,515.28	105.28
08 38 19 00-0428 EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,548.94	111.66
08 38 19 00-0429 EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,586.30	121.23
08 38 19 00-0430 EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,622.57	127.61
08 38 19 00-0431 EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,691.60	133.99
08 38 19 00-0432 EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,742.02	140.37
08 38 19 00-0433 EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,775.43	146.75

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 19 00-0434	96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0435	EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,322.89	95.70
08 38 19 00-0436	EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,557.54	105.28
08 38 19 00-0437	EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,591.87	111.66
08 38 19 00-0438	EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,619.32	121.23
08 38 19 00-0439	EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,666.87	127.61
08 38 19 00-0440	EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,726.33	133.99
08 38 19 00-0441	EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,789.37	140.37
08 38 19 00-0442	EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,826.08	143.56
08 38 19 00-0443	Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0444	84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0445	EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,770.10	146.75
08 38 19 00-0446	EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,798.49	149.30
08 38 19 00-0447	EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,833.75	153.13
08 38 19 00-0448	EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,880.93	159.51
08 38 19 00-0449	EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,910.16	165.89
08 38 19 00-0450	EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,974.97	167.17
08 38 19 00-0451	EA 84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,018.41	169.08
08 38 19 00-0452	EA 88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,070.67	172.27
08 38 19 00-0453	90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0454	EA 48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,806.98	146.75
08 38 19 00-0455	EA 56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,835.91	149.30
08 38 19 00-0456	EA 60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,871.95	153.13
08 38 19 00-0457	EA 64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,919.97	159.51
08 38 19 00-0458	EA 72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,949.67	165.89
08 38 19 00-0459	EA 80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,015.98	167.17
08 38 19 00-0460	EA 84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,060.41	169.08
08 38 19 00-0461	EA 88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,113.83	172.27
08 38 19 00-0462	96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0463	EA 48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,850.03	146.75
08 38 19 00-0464	EA 56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,873.26	149.30
08 38 19 00-0465	EA 60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,922.65	153.13
08 38 19 00-0466	EA 64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,959.00	159.51
08 38 19 00-0467	EA 72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,002.05	165.89
08 38 19 00-0468	EA 80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,076.44	167.17
08 38 19 00-0469	EA 84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,116.20	169.08
08 38 19 00-0470	EA 88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	2,161.28	172.27

08 40 Entrances, Storefronts, and Curtain Walls (08)**08 42 Entrances** (08 40)**08 42 13 Aluminum-Framed Entrances** (08 42)**08 42 13 00-0001 Aluminum Framed Entrance Doors** (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2087 for exit device, 08 71 11 00-2236 for closer.

08 42 13 00-0002	EA 3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	7,086.54	725.36
	Note: Including Glazing, Trim And Hardware		
	For Bronze Finish, Add	665.89	
	For Black Finish, Add	1,912.49	
	For 8' High Door, Add	689.89	
	For 10' High Door, Add	1,499.76	
	For 1" Insulated Glazing, Add	166.25	
08 42 13 00-0003	EA 3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	7,234.15	797.14
	Note: Including Glazing, Trim And Hardware		
	For Bronze Finish, Add	670.21	
	For Black Finish, Add	1,924.88	
	For 8' High Door, Add	694.36	
	For 10' High Door, Add	1,509.48	
	For 1" Insulated Glazing, Add	166.25	
08 42 13 00-0004	PR 6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	12,022.42	1,087.83
	Note: Including Glazing, Trim And Hardware		
	For Bronze Finish, Add	1,153.78	
	For Black Finish, Add	3,313.74	
	For 8' High Door, Add	1,195.36	
	For 10' High Door, Add	2,598.61	
	For 1" Insulated Glazing, Add	332.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0005 PR 7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	14,090.48	1,185.38
Note: Including Glazing, Trim And Hardware		
For Bronze Finish, Add	1,366.07	
For Black Finish, Add	3,923.47	
For 8' High Door, Add	1,415.30	
For 10' High Door, Add	3,076.75	
For 1" Insulated Glazing, Add	332.50	
08 42 13 00-0006 EA 3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	7,902.87	725.36
Note: Including Glazing, Trim And Hardware		
For Bronze Finish, Add	756.50	
For Black Finish, Add	2,172.74	
For 8' High Door, Add	783.77	
For 10' High Door, Add	1,703.84	
For 1" Insulated Glazing, Add	166.25	
08 42 13 00-0007 EA 3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	8,101.02	797.14
Note: Including Glazing, Trim And Hardware		
For Bronze Finish, Add	766.43	
For Black Finish, Add	2,201.24	
For 8' High Door, Add	794.05	
For 10' High Door, Add	1,726.19	
For 1" Insulated Glazing, Add	166.25	
08 42 13 00-0008 PR 6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	13,565.68	1,087.83
Note: Including Glazing, Trim And Hardware		
For Bronze Finish, Add	1,325.08	
For Black Finish, Add	3,805.73	
For 8' High Door, Add	1,372.83	
For 10' High Door, Add	2,984.42	
For 1" Insulated Glazing, Add	332.50	
08 42 13 00-0009 PR 7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	15,588.69	1,185.38
Note: Including Glazing, Trim And Hardware		
For Bronze Finish, Add	1,532.38	
For Black Finish, Add	4,401.09	
For 8' High Door, Add	1,587.60	
For 10' High Door, Add	3,451.30	
For 1" Insulated Glazing, Add	332.50	

08 42 26 All-Glass Entrances (08 42)

08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002 EA 3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door.....	5,709.35	271.87
Note: Including Trim And Hardware		
For Anodized Color, Add	831.93	
For Stainless Steel, Add	3,004.20	
For 8' High Door, Add	531.51	
For 10' High Door, Add	1,155.46	
For 1" Insulated Glazing, Add	166.25	
08 42 26 00-0003 PR 6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2").....	10,280.18	326.25
Note: Including Trim And Hardware		
For Anodized Color, Add	1,570.79	
For Stainless Steel, Add	5,672.30	
For 8' High Door, Add	1,003.56	
For 10' High Door, Add	2,181.65	
For 1" Insulated Glazing, Add	332.50	
08 42 26 00-0004 EA 3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door.....	6,541.99	271.87
Note: Including Trim And Hardware		
For Anodized Color, Add	981.81	
For Stainless Steel, Add	3,545.41	
For 8' High Door, Add	627.27	
For 10' High Door, Add	1,363.62	
For 1" Insulated Glazing, Add	166.25	
08 42 26 00-0005 PR 6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8").....	12,072.93	326.25
Note: Including Trim And Hardware		
For Anodized Color, Add	1,893.48	
For Stainless Steel, Add	6,837.58	
For 8' High Door, Add	1,209.73	
For 10' High Door, Add	2,629.84	
For 1" Insulated Glazing, Add	332.50	
08 42 26 00-0006 EA 3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door.....	7,371.38	271.87
Note: Including Trim And Hardware		
For Anodized Color, Add	1,131.10	
For Stainless Steel, Add	4,084.52	
For 8' High Door, Add	722.65	
For 10' High Door, Add	1,570.97	
For 1" Insulated Glazing, Add	166.25	
08 42 26 00-0007 PR 6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4").....	13,862.75	326.25
Note: Including Trim And Hardware		
For Anodized Color, Add	2,215.65	
For Stainless Steel, Add	8,000.97	
For 8' High Door, Add	1,415.56	
For 10' High Door, Add	3,077.30	
For 1" Insulated Glazing, Add	332.50	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0008 EA 3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware	9,033.38	271.87
For Anodized Color, Add	1,430.26	
For Stainless Steel, Add	5,164.82	
For 8' High Door, Add	913.78	
For 10' High Door, Add	1,986.47	
For 1" Insulated Glazing, Add	166.25	
08 42 26 00-0009 PR 6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1")..... Note: Including Trim And Hardware	17,445.31	326.25
For Anodized Color, Add	2,860.51	
For Stainless Steel, Add	10,329.63	
For 8' High Door, Add	1,827.55	
For 10' High Door, Add	3,972.94	
For 1" Insulated Glazing, Add	332.50	
08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)		
08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head.....	28.28	3.27
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head.....	36.54	4.35
08 42 29 Automatic Entrances (08 42)		
08 42 29 23 Sliding Automatic Entrances (08 42 29)		
Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Single sliding.		
08 42 29 23-0003 EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,635.29 256.33 683.56	108.75
08 42 29 23-0004 EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,017.29 279.27 744.73	146.82
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,367.13 303.07 808.18	163.13
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	4,706.76 326.09 869.58	179.44
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,200.24 432.39 1,153.05	217.50
08 42 29 23-0008 EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,412.46 442.60 1,180.27	255.56
08 42 29 23-0009 EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,614.19 602.02 1,605.39	293.63
08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Bi-parting.		
08 42 29 23-0011 EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,232.48 501.65 1,337.75	271.87
08 42 29 23-0012 EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,929.22 549.83 1,466.22	299.07
08 42 29 23-0013 EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,625.95 598.01 1,594.69	326.25
08 42 29 23-0014 EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,465.44 731.89 1,951.71	353.44
08 42 29 23-0015 EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	12,304.93 865.78 2,308.74	380.52
08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016)		
Note: Single sliding.		
08 42 29 23-0018 EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,313.29 232.18 619.16	108.75
08 42 29 23-0019 EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,666.51 252.97 674.58	146.82
08 42 29 23-0020 EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	3,980.54 274.07 730.86	163.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0021 EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,297.14 295.37 787.65	179.44
08 42 29 23-0022 EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,657.14 391.66 1,044.43	217.50
08 42 29 23-0023 EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,856.50 400.90 1,069.07	255.56
08 42 29 23-0024 EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,858.06 545.31 1,454.16	293.63
08 42 29 23-0025 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0026 EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,602.39 454.40 1,211.73	271.87
08 42 29 23-0027 EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,238.58 498.03 1,328.09	299.07
08 42 29 23-0028 EA 16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,874.77 541.67 1,444.45	326.25
08 42 29 23-0029 EA 18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	9,546.13 662.94 1,767.85	353.44
08 42 29 23-0030 EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	11,217.48 784.22 2,091.25	380.52
08 42 29 23-0031 Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0032 2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Single sliding.		
08 42 29 23-0033 EA 5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,179.49 297.15 792.40	108.75
08 42 29 23-0034 EA 6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,610.24 323.75 863.32	146.82
08 42 29 23-0035 EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,366.44 378.01 1,008.04	163.13
08 42 29 23-0036 EA 8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	6,166.57 435.58 1,161.54	179.44
08 42 29 23-0037 EA 10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,118.29 501.25 1,336.66	217.50
08 42 29 23-0038 EA 12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	7,352.14 513.08 1,368.20	255.56
08 42 29 23-0039 EA 15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	9,892.44 697.89 1,861.04	293.63
08 42 29 23-0040 4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Bi-parting.		
08 42 29 23-0041 EA 12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	8,297.59 581.54 1,550.77	271.87
08 42 29 23-0042 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	9,096.58 637.38 1,699.69	299.07
08 42 29 23-0043 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	9,895.56 693.23 1,848.61	326.25
08 42 29 23-0044 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	12,019.35 848.44 2,262.49	353.44
08 42 29 23-0045 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	14,143.13 1,003.64 2,676.38	380.63
08 42 29 23-0046 Accessories For Sliding Automatic Entrances (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (2 panels).	8,500.28	1,276.08
08 42 29 23-0048 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (4 panel).	14,381.37	1,914.12

08	08	Openings
	08 40	Entrances, Storefronts, and Curtain Walls
	08 42	Entrances



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 42 29 33 Swinging Automatic Entrances (08 42 29)

Note: Excludes glazing.

08 42 29 33-0001	Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33)		
	Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	4,444.93	612.22
08 42 29 33-0003	EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	7,666.14	816.34
08 42 29 33-0004	EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel	3,697.86	489.78
08 42 29 33-0005	EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	6,660.42	734.67
08 42 29 33-0006	Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007	EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	385.05	48.98
08 42 29 33-0008	EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	344.35	48.98
08 42 29 33-0009	EA Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	347.59	48.98
08 42 29 33-0010	EA 4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	203.31	48.98
08 42 29 33-0011	EA 1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	218.61	48.98
08 42 29 33-0012	EA 1-1/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	133.70	48.98
08 42 29 33-0013	EA Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	640.70	122.44
	<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct -64.00</i>		
08 42 29 33-0014	EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	809.94	61.22
08 42 29 33-0015	EA Guard Rail For Door With Operator	260.32	61.22

08 42 33 Revolving Door Entrances (08 42)

08 42 33 00-0001	Aluminum Revolving Doors (08 42 33)		
	Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware <i>For Automatic Controls, Add 8,495.20</i> <i>For Powder Coated, Add 1,411.37</i>	38,282.44	6,627.56
08 42 33 00-0003	EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware <i>For Automatic Controls, Add 10,317.79</i> <i>For Powder Coated, Add 1,773.55</i>	52,138.91	9,941.49
08 42 33 00-0004	EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware <i>For Automatic Controls, Add 11,411.35</i> <i>For Powder Coated, Add 3,136.37</i>	78,076.24	11,929.73
08 42 33 00-0005	EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware <i>For Automatic Controls, Add 8,867.15</i> <i>For Powder Coated, Add 1,580.58</i>	42,576.37	7,290.25
08 42 33 00-0006	EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware <i>For Automatic Controls, Add 10,814.86</i> <i>For Powder Coated, Add 1,986.18</i>	57,669.56	10,935.98
08 42 33 00-0007	EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware <i>For Automatic Controls, Add 12,140.39</i> <i>For Powder Coated, Add 3,512.39</i>	87,174.97	13,122.70
08 42 33 00-0008	Stainless Steel Revolving Doors (08 42 33)		
	Note: Includes 3/4" tempered glass.		
08 42 33 00-0009	EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware <i>For Automatic Controls, Add 8,495.20</i>	39,218.02	6,627.56
08 42 33 00-0010	EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware <i>For Automatic Controls, Add 10,317.79</i>	53,314.58	9,941.49
08 42 33 00-0011	EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware <i>For Automatic Controls, Add 11,411.35</i>	80,155.32	11,929.73
08 42 33 00-0012	EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware <i>For Automatic Controls, Add 8,867.15</i>	43,626.61	7,290.25
08 42 33 00-0013	EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware <i>For Automatic Controls, Add 10,814.86</i>	58,989.32	10,935.98
08 42 33 00-0014	EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware <i>For Automatic Controls, Add 12,140.39</i>	89,508.85	13,122.70
08 42 33 00-0015	Bronze Revolving Doors (08 42 33)		
	Note: Includes 3/4" tempered glass.		
08 42 33 00-0016	EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add 8,495.20</i>	35,918.57	6,627.56
08 42 33 00-0017	EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware <i>For Automatic Controls, Add 10,317.79</i>	49,168.44	9,941.49



Openings	08	08	
Entrances, Storefronts, and Curtain Walls			08 40
Entrances			08 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	72,823.20	11,929.73
			<i>For Automatic Controls, Add</i>	11,411.35	
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	39,931.23	7,290.25
			<i>For Automatic Controls, Add</i>	8,867.15	
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	54,345.64	10,935.98
			<i>For Automatic Controls, Add</i>	10,814.86	
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	81,296.88	13,122.70
			<i>For Automatic Controls, Add</i>	12,140.39	

08 42 36 Balanced Door Entrances (08 42)

08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel	15,057.78	353.54
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-3,543.42	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,417.37	
			<i>For Tinted Glass, Add</i>	708.68	
			<i>For Aluminum, Painted Finish, Deduct</i>	-4,252.10	
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel	15,633.38	353.54
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-3,687.32	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,474.93	
			<i>For Tinted Glass, Add</i>	737.46	
			<i>For Aluminum, Painted Finish, Deduct</i>	-4,424.78	
08 42 36 00-0004	EA		3'-6" x 7'-0" Balanced Door, Stainless Steel	17,031.35	353.54
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-4,036.81	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,614.73	
			<i>For Tinted Glass, Add</i>	807.36	
			<i>For Aluminum, Painted Finish, Deduct</i>	-4,844.18	
08 42 36 00-0005	EA		4'-0" x 7'-0" Balanced Door, Stainless Steel	18,676.05	353.54
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-4,447.99	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	1,779.20	
			<i>For Tinted Glass, Add</i>	889.60	
			<i>For Aluminum, Painted Finish, Deduct</i>	-5,337.59	
08 42 36 00-0006	PR		Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	31,178.41	671.92
			<i>For Bronze Instead Of Stainless Steel, Deduct</i>	-7,374.65	
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	2,949.86	
			<i>For Tinted Glass, Add</i>	1,474.93	
			<i>For Aluminum, Painted Finish, Deduct</i>	-8,849.58	

08 43 Storefronts (08 40)

08 43 13 Aluminum-Framed Storefronts (08 43)

08 43 13 00-0001 Aluminum Storefront Framing Assembly (08 43 13)

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0002 for tempered glazing, 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.

08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003	SF		5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.85	7.98
			<i>For Various Color Class I Anodized Finish, Add</i>	0.95	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.84	
08 43 13 00-0004	SF		6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.03	7.19
			<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.54	
08 43 13 00-0005	SF		7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.01	6.62
			<i>For Various Color Class I Anodized Finish, Add</i>	0.78	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.33	
08 43 13 00-0006	SF		8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.49	6.20
			<i>For Various Color Class I Anodized Finish, Add</i>	0.73	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.18	
08 43 13 00-0007	SF		9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.33	5.88
			<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.06	
08 43 13 00-0008	SF		10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	19.39	5.61
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.96	
08 43 13 00-0009	SF		11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	18.62	5.39
			<i>For Various Color Class I Anodized Finish, Add</i>	0.63	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.88	
08 43 13 00-0010	SF		12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	17.98	5.21
			<i>For Various Color Class I Anodized Finish, Add</i>	0.60	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.81	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0011			1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012	SF		5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.33	10.44
			For Various Color Class I Anodized Finish, Add	1.23	
			For Black Color Class I Anodized Finish, Add	3.70	
08 43 13 00-0013	SF		6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.07	9.24
			For Various Color Class I Anodized Finish, Add	1.09	
			For Black Color Class I Anodized Finish, Add	3.27	
08 43 13 00-0014	SF		7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.14	8.37
			For Various Color Class I Anodized Finish, Add	0.99	
			For Black Color Class I Anodized Finish, Add	2.96	
08 43 13 00-0015	SF		8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.86	7.73
			For Various Color Class I Anodized Finish, Add	0.91	
			For Black Color Class I Anodized Finish, Add	2.72	
08 43 13 00-0016	SF		9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.09	7.18
			For Various Color Class I Anodized Finish, Add	0.85	
			For Black Color Class I Anodized Finish, Add	2.54	
08 43 13 00-0017	SF		10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.63	6.86
			For Various Color Class I Anodized Finish, Add	0.80	
			For Black Color Class I Anodized Finish, Add	2.39	
08 43 13 00-0018	SF		11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.54	6.52
			For Various Color Class I Anodized Finish, Add	0.76	
			For Black Color Class I Anodized Finish, Add	2.28	
08 43 13 00-0019	SF		12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.55	6.20
			For Various Color Class I Anodized Finish, Add	0.73	
			For Black Color Class I Anodized Finish, Add	2.18	
08 43 13 00-0020			1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF		5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	44.86	12.83
			For Various Color Class I Anodized Finish, Add	1.52	
			For Black Color Class I Anodized Finish, Add	4.57	
08 43 13 00-0022	SF		6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	39.24	11.20
			For Various Color Class I Anodized Finish, Add	1.33	
			For Black Color Class I Anodized Finish, Add	3.99	
08 43 13 00-0023	SF		7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.19	10.11
			For Various Color Class I Anodized Finish, Add	1.19	
			For Black Color Class I Anodized Finish, Add	3.57	
08 43 13 00-0024	SF		8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.16	9.24
			For Various Color Class I Anodized Finish, Add	1.09	
			For Black Color Class I Anodized Finish, Add	3.26	
08 43 13 00-0025	SF		9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.73	8.60
			For Various Color Class I Anodized Finish, Add	1.01	
			For Black Color Class I Anodized Finish, Add	3.02	
08 43 13 00-0026	SF		10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.89	8.05
			For Various Color Class I Anodized Finish, Add	0.94	
			For Black Color Class I Anodized Finish, Add	2.83	
08 43 13 00-0027	SF		11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.36	7.61
			For Various Color Class I Anodized Finish, Add	0.89	
			For Black Color Class I Anodized Finish, Add	2.67	
08 43 13 00-0028	SF		12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.08	7.29
			For Various Color Class I Anodized Finish, Add	0.85	
			For Black Color Class I Anodized Finish, Add	2.54	
08 43 13 00-0029			2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0030 SF 5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.72	8.37
<i>For Various Color Class I Anodized Finish, Add</i>	0.97	
<i>For Black Color Class I Anodized Finish, Add</i>	2.90	
08 43 13 00-0031 SF 6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.81	7.50
<i>For Various Color Class I Anodized Finish, Add</i>	0.86	
<i>For Black Color Class I Anodized Finish, Add</i>	2.59	
08 43 13 00-0032 SF 7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.61	6.96
<i>For Various Color Class I Anodized Finish, Add</i>	0.79	
<i>For Black Color Class I Anodized Finish, Add</i>	2.37	
08 43 13 00-0033 SF 8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.04	6.52
<i>For Various Color Class I Anodized Finish, Add</i>	0.74	
<i>For Black Color Class I Anodized Finish, Add</i>	2.21	
08 43 13 00-0034 SF 9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.78	6.09
<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
<i>For Black Color Class I Anodized Finish, Add</i>	2.08	
08 43 13 00-0035 SF 10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.89	5.88
<i>For Various Color Class I Anodized Finish, Add</i>	0.66	
<i>For Black Color Class I Anodized Finish, Add</i>	1.97	
08 43 13 00-0036 SF 11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.99	5.65
<i>For Various Color Class I Anodized Finish, Add</i>	0.63	
<i>For Black Color Class I Anodized Finish, Add</i>	1.89	
08 43 13 00-0037 SF 12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.38	5.44
<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
<i>For Black Color Class I Anodized Finish, Add</i>	1.82	
08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0039 SF 5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	38.10	11.31
<i>For Various Color Class I Anodized Finish, Add</i>	1.26	
<i>For Black Color Class I Anodized Finish, Add</i>	3.77	
08 43 13 00-0040 SF 6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.53	10.00
<i>For Various Color Class I Anodized Finish, Add</i>	1.10	
<i>For Black Color Class I Anodized Finish, Add</i>	3.31	
08 43 13 00-0041 SF 7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.31	9.03
<i>For Various Color Class I Anodized Finish, Add</i>	1.00	
<i>For Black Color Class I Anodized Finish, Add</i>	2.99	
08 43 13 00-0042 SF 8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.89	8.37
<i>For Various Color Class I Anodized Finish, Add</i>	0.92	
<i>For Black Color Class I Anodized Finish, Add</i>	2.75	
08 43 13 00-0043 SF 9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.07	7.83
<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
<i>For Black Color Class I Anodized Finish, Add</i>	2.56	
08 43 13 00-0044 SF 10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.47	7.39
<i>For Various Color Class I Anodized Finish, Add</i>	0.80	
<i>For Black Color Class I Anodized Finish, Add</i>	2.41	
08 43 13 00-0045 SF 11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.25	6.96
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.29	
08 43 13 00-0046 SF 12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.24	6.63
<i>For Various Color Class I Anodized Finish, Add</i>	0.73	
<i>For Black Color Class I Anodized Finish, Add</i>	2.18	
08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0048 SF 5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	46.08	13.49
<i>For Various Color Class I Anodized Finish, Add</i>	1.54	
<i>For Black Color Class I Anodized Finish, Add</i>	4.63	
08 43 13 00-0049 SF 6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	40.26	11.74
<i>For Various Color Class I Anodized Finish, Add</i>	1.35	
<i>For Black Color Class I Anodized Finish, Add</i>	4.04	
08 43 13 00-0050 SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.05	10.55
<i>For Various Color Class I Anodized Finish, Add</i>	1.20	
<i>For Black Color Class I Anodized Finish, Add</i>	3.61	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0051	SF		8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.96	9.68
			<i>For Various Color Class I Anodized Finish, Add</i>	1.10	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.29	
08 43 13 00-0052	SF		9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.49	8.92
			<i>For Various Color Class I Anodized Finish, Add</i>	1.01	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.04	
08 43 13 00-0053	SF		10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.51	8.37
			<i>For Various Color Class I Anodized Finish, Add</i>	0.95	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.84	
08 43 13 00-0054	SF		11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.96	7.94
			<i>For Various Color Class I Anodized Finish, Add</i>	0.89	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.68	
08 43 13 00-0055	SF		12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.56	7.61
			<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.55	
08 43 13 00-0056			2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0057	SF		5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	35.64	8.60
			<i>For Various Color Class I Anodized Finish, Add</i>	1.36	
			<i>For Black Color Class I Anodized Finish, Add</i>	4.09	
08 43 13 00-0058	SF		6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.06	7.73
			<i>For Various Color Class I Anodized Finish, Add</i>	1.23	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.68	
08 43 13 00-0059	SF		7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.56	7.07
			<i>For Various Color Class I Anodized Finish, Add</i>	1.13	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.38	
08 43 13 00-0060	SF		8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.68	6.63
			<i>For Various Color Class I Anodized Finish, Add</i>	1.05	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.16	
08 43 13 00-0061	SF		9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.19	6.31
			<i>For Various Color Class I Anodized Finish, Add</i>	1.00	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.99	
08 43 13 00-0062	SF		10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.99	5.99
			<i>For Various Color Class I Anodized Finish, Add</i>	0.95	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.85	
08 43 13 00-0063	SF		11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.04	5.76
			<i>For Various Color Class I Anodized Finish, Add</i>	0.91	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.74	
08 43 13 00-0064	SF		12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.19	5.54
			<i>For Various Color Class I Anodized Finish, Add</i>	0.88	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.65	
08 43 13 00-0065			2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF		5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	47.06	11.53
			<i>For Various Color Class I Anodized Finish, Add</i>	1.77	
			<i>For Black Color Class I Anodized Finish, Add</i>	5.32	
08 43 13 00-0067	SF		6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	41.58	10.22
			<i>For Various Color Class I Anodized Finish, Add</i>	1.57	
			<i>For Black Color Class I Anodized Finish, Add</i>	4.71	
08 43 13 00-0068	SF		7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	37.72	9.24
			<i>For Various Color Class I Anodized Finish, Add</i>	1.42	
			<i>For Black Color Class I Anodized Finish, Add</i>	4.26	
08 43 13 00-0069	SF		8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.80	8.48
			<i>For Various Color Class I Anodized Finish, Add</i>	1.31	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.93	
08 43 13 00-0070	SF		9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	32.50	7.94
			<i>For Various Color Class I Anodized Finish, Add</i>	1.23	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.68	
08 43 13 00-0071	SF		10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.71	7.50
			<i>For Various Color Class I Anodized Finish, Add</i>	1.16	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.47	
08 43 13 00-0072	SF		11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.22	7.18
			<i>For Various Color Class I Anodized Finish, Add</i>	1.10	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 43 13 00-0073	SF		12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	27.90 1.05 3.16	6.86
08 43 13 00-0074				2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
	08 43 13 00-0075	SF		5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	56.77 2.19 6.56	13.49
	08 43 13 00-0076	SF		6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	49.91 1.91 5.73	11.96
	08 43 13 00-0077	SF		7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	44.79 1.72 5.15	10.77
	08 43 13 00-0078	SF		8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	41.05 1.57 4.71	9.79
	08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	38.05 1.45 4.36	9.13
	08 43 13 00-0080	SF		10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	35.66 1.36 4.09	8.60
	08 43 13 00-0081	SF		11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	33.65 1.29 3.86	8.05
	08 43 13 00-0082	SF		12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	32.07 1.23 3.68	7.73
08 43 13 00-0083				Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
	08 43 13 00-0084	LF		For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	36.31	7.24
	08 43 13 00-0085	LF		For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	41.40	7.96
	08 43 13 00-0086	LF		For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	63.40	8.76
08 43 19				Stainless-Steel-Framed Storefronts (08 43)		
08 43 19 00-0001				Stainless Steel Storefront Framing Assembly (08 43 19) Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
	08 43 19 00-0002	SF		Stainless Steel Storefront Framing Assembly..... <i>For 70% Fluoropolymer Exterior Finish (Duronar), Add</i>	55.14 4.69	5.44
08 44				Curtain Wall and Glazed Assemblies (08 40)		
08 44 13				Glazed Aluminum Curtain Walls (08 44)		
	08 44 13 00-0001			Curtain Walls (08 44 13)		
	08 44 13 00-0002			Coping Sections (08 44 13 00-0001)		
	08 44 13 00-0003	LF		Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	71.50 7.86 32.41 14.15	3.27
	08 44 13 00-0004	LF		Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	74.30 8.28 34.09 14.91	3.27
	08 44 13 00-0005	LF		Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section..... <i>For Bronze Anodized Aluminum, Add</i> <i>For Stainless Steel, Add</i> <i>For Black Anodized Finish, Add</i>	89.30 9.83 40.51 17.69	4.35
	08 44 13 00-0006			Sill Section (08 44 13 00-0001)		

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44	13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	55.17	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	6.26	
			<i>For Stainless Steel, Add</i>	25.72	
			<i>For Black Anodized Finish, Add</i>	11.27	
08 44	13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	59.63	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	6.93	
			<i>For Stainless Steel, Add</i>	28.39	
			<i>For Black Anodized Finish, Add</i>	12.47	
08 44	13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	64.14	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	7.61	
			<i>For Stainless Steel, Add</i>	31.10	
			<i>For Black Anodized Finish, Add</i>	13.69	
08 44	13 00-0010		Aluminum Column Covers <small>(08 44 13 00-0001)</small>		
			Note: Includes all clips and fasteners.		
08 44	13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped.....	145.14	5.44
			<i>For Bronze Anodized Aluminum, Add</i>	17.18	
			<i>For Stainless Steel, Add</i>	70.24	
			<i>For Black Anodized Finish, Add</i>	30.92	
08 44	13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped.....	178.65	5.44
			<i>For Bronze Anodized Aluminum, Add</i>	21.93	
			<i>For Stainless Steel, Add</i>	89.34	
			<i>For Black Anodized Finish, Add</i>	39.47	
08 44	13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped.....	191.62	5.44
			<i>For Bronze Anodized Aluminum, Add</i>	23.87	
			<i>For Stainless Steel, Add</i>	97.12	
			<i>For Black Anodized Finish, Add</i>	42.97	
08 44	13 00-0014		Spandrel Covers <small>(08 44 13 00-0001)</small>		
			Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44	13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces.....	58.80	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	7.45	
			<i>For Stainless Steel, Add</i>	30.25	
			<i>For Black Anodized Finish, Add</i>	13.41	
08 44	13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face.....	51.43	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	6.34	
			<i>For Stainless Steel, Add</i>	25.83	
			<i>For Black Anodized Finish, Add</i>	11.42	
08 44	13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces.....	112.45	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	15.50	
			<i>For Stainless Steel, Add</i>	62.44	
			<i>For Black Anodized Finish, Add</i>	27.89	
08 44	13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only	91.67	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	12.38	
			<i>For Stainless Steel, Add</i>	49.98	
			<i>For Black Anodized Finish, Add</i>	22.28	
08 44	13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces.....	65.99	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	8.17	
			<i>For Stainless Steel, Add</i>	33.26	
			<i>For Black Anodized Finish, Add</i>	14.71	
08 44	13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face.....	59.01	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	7.13	
			<i>For Stainless Steel, Add</i>	29.08	
			<i>For Black Anodized Finish, Add</i>	12.83	
08 44	13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces.....	128.42	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	17.54	
			<i>For Stainless Steel, Add</i>	70.72	
			<i>For Black Anodized Finish, Add</i>	31.57	
08 44	13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only	104.45	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	13.94	
			<i>For Stainless Steel, Add</i>	56.34	
			<i>For Black Anodized Finish, Add</i>	25.09	
08 44	13 00-0023		Curtain Wall, Aluminum System Framing Sections <small>(08 44 13 00-0001)</small>		
			Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44	13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	79.41	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	10.62	
			<i>For Stainless Steel, Add</i>	42.89	
			<i>For Black Anodized Finish, Add</i>	19.11	
08 44	13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	79.23	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	10.62	
			<i>For Stainless Steel, Add</i>	42.89	
			<i>For Black Anodized Finish, Add</i>	19.11	
08 44	13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	79.23	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	10.62	
			<i>For Stainless Steel, Add</i>	42.89	
			<i>For Black Anodized Finish, Add</i>	19.11	
			<i>For Corner Mullion, Add</i>	18.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0027 LF Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	97.61	4.35
<i>For Bronze Anodized Aluminum, Add</i>	12.68	
<i>For Stainless Steel, Add</i>	51.39	
<i>For Black Anodized Finish, Add</i>	22.83	
08 44 13 00-0028 LF Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	97.61	4.35
<i>For Bronze Anodized Aluminum, Add</i>	12.68	
<i>For Stainless Steel, Add</i>	51.39	
<i>For Black Anodized Finish, Add</i>	22.83	
08 44 13 00-0029 LF Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	97.61	4.35
<i>For Bronze Anodized Aluminum, Add</i>	12.68	
<i>For Stainless Steel, Add</i>	51.39	
<i>For Black Anodized Finish, Add</i>	22.83	
<i>For Corner Mullion, Add</i>	23.10	
08 44 13 00-0030 LF Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	107.17	4.78
<i>For Bronze Anodized Aluminum, Add</i>	13.90	
<i>For Stainless Steel, Add</i>	56.33	
<i>For Black Anodized Finish, Add</i>	25.02	
08 44 13 00-0031 LF Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	107.17	4.78
<i>For Bronze Anodized Aluminum, Add</i>	13.90	
<i>For Stainless Steel, Add</i>	56.33	
<i>For Black Anodized Finish, Add</i>	25.02	
08 44 13 00-0032 LF Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	107.17	4.78
<i>For Bronze Anodized Aluminum, Add</i>	13.90	
<i>For Stainless Steel, Add</i>	56.33	
<i>For Black Anodized Finish, Add</i>	25.02	
<i>For Corner Mullion, Add</i>	25.34	
08 44 13 00-0033 LF Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	116.94	5.44
<i>For Bronze Anodized Aluminum, Add</i>	15.12	
<i>For Stainless Steel, Add</i>	61.30	
<i>For Black Anodized Finish, Add</i>	27.22	
08 44 13 00-0034 LF Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	116.94	5.44
<i>For Bronze Anodized Aluminum, Add</i>	15.12	
<i>For Stainless Steel, Add</i>	61.30	
<i>For Black Anodized Finish, Add</i>	27.22	
08 44 13 00-0035 LF Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	116.94	5.44
<i>For Bronze Anodized Aluminum, Add</i>	15.12	
<i>For Stainless Steel, Add</i>	61.30	
<i>For Black Anodized Finish, Add</i>	27.22	
<i>For Corner Mullion, Add</i>	27.62	
08 44 13 00-0036 LF Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	131.31	5.88
<i>For Bronze Anodized Aluminum, Add</i>	17.06	
<i>For Stainless Steel, Add</i>	69.11	
<i>For Black Anodized Finish, Add</i>	30.70	
08 44 13 00-0037 LF Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	131.31	5.88
<i>For Bronze Anodized Aluminum, Add</i>	17.06	
<i>For Stainless Steel, Add</i>	69.11	
<i>For Black Anodized Finish, Add</i>	30.70	
08 44 13 00-0038 LF Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	131.31	5.88
<i>For Bronze Anodized Aluminum, Add</i>	17.06	
<i>For Stainless Steel, Add</i>	69.11	
<i>For Black Anodized Finish, Add</i>	30.70	
<i>For Corner Mullion, Add</i>	31.07	
08 44 13 00-0039 LF Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	150.73	6.52
<i>For Bronze Anodized Aluminum, Add</i>	19.58	
<i>For Stainless Steel, Add</i>	79.34	
<i>For Black Anodized Finish, Add</i>	35.25	
08 44 13 00-0040 LF Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	150.73	6.52
<i>For Bronze Anodized Aluminum, Add</i>	19.58	
<i>For Stainless Steel, Add</i>	79.34	
<i>For Black Anodized Finish, Add</i>	35.25	
08 44 13 00-0041 LF Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	150.73	6.52
<i>For Bronze Anodized Aluminum, Add</i>	19.58	
<i>For Stainless Steel, Add</i>	79.34	
<i>For Black Anodized Finish, Add</i>	35.25	
<i>For Corner Mullion, Add</i>	35.67	

08 44 26 Structural Glass Curtain Walls (08 44)

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls (08 44 26)

08 44 26 16-0001 Centria Exterior Closure Components (08 44 26 16)

08 44 26 16-0002 SF Centria CS-260, 210 Single Skin Metal Panel	68.83	20.57
Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.		
08 44 26 16-0003 SF Centria Formawall Insulated Metal Panels	112.37	17.14
Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.		
08 44 26 16-0004 LF Centria Formawall Insulated Metal Panels Radius Column	184.78	28.57
Note: Includes radius coping.		
08 44 26 16-0005 LF Centria Formawall Insulated Metal Panels Coping	36.96	5.71
08 44 26 16-0006 SF Centria Formawavue 3000 Thru Tube Window System Without Glass	129.32	27.43
Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.		

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 26 16-0007	SF		Centria Formawavue 3000 Insulated Vision Units Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	23.75	
08 44 26 16-0008	SF		Centria Formawavue 3000 Insulated Silkscreen Pattern Units Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	45.95	
08 44 26 16-0009	LF		Centria Integrated Louver System Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	284.65	17.14
08 44 26 16-0010	LF		Centria Integrated Sunshade System Note: Factory installed 70% Mica Kynar two coat finish.	1,317.91	121.13
08 44 26 16-0011			Kalwall Exterior Closure Components (08 44 26 16)		
08 44 26 16-0012	SF		Kalwall Translucent Panel System Standard Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.	159.50	22.85
08 44 26 16-0013	SF		Kalwall Translucent Panel System High Impact.....	166.06	22.85
08 44 26 16-0014	EA		Wind Clips..... Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	382.94	
08 44 26 16-0015	EA		Sill Angle With Welded Support Angles For The Kalwall System Note: Includes all welding, fasteners, prep, and clean up.	446.76	
08 44 26 16-0016	EA		Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5").....	20.42	
08 44 26 16-0017	EA		Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5").....	89.35	

08 45 Translucent Wall and Roof Assemblies (08 40)**08 45 23 Fiberglass-Sandwich-Panel Assemblies** (08 45)

08 45 23 00-0001			Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)		
08 45 23 00-0002	SF		<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed <i>For Aluminum Frame, Add</i>	152.68 14.30	6.45
08 45 23 00-0003	SF		>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed <i>For Aluminum Frame, Add</i>	139.98 13.18	5.49

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)**08 51 13 Aluminum Windows** (08 51)

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001			Aluminum Windows (08 51 13) Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002			Single Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0003			2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)		
08 51 13 00-0004	EA		Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durantar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	892.64 13.77 41.31 34.42 48.19	122.51
08 51 13 00-0005	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durantar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,011.66 15.89 47.68 39.74 55.63	130.16
08 51 13 00-0006	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durantar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,112.23 17.65 52.95 44.13 61.78	137.82
08 51 13 00-0007	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durantar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,194.28 19.04 57.11 47.59 66.63	145.47
08 51 13 00-0008	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durantar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,387.25 22.64 67.92 56.60 79.24	153.13
08 51 13 00-0009	SF		>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durantar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	45.41 0.76 2.27 1.89 2.64	4.59



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)

08 51 13 00-0011	EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,382.42	122.51
	For 50% Fluoropolymer Finish (Acrynar), Add	23.56	
	For 70% Fluoropolymer Finish (Duranar), Add	70.69	
	For Clear Anodized Finish, Add	58.91	
	For Color Anodized Finish, Add	82.48	
08 51 13 00-0012	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,543.03	130.16
	For 50% Fluoropolymer Finish (Acrynar), Add	26.52	
	For 70% Fluoropolymer Finish (Duranar), Add	79.57	
	For Clear Anodized Finish, Add	66.31	
	For Color Anodized Finish, Add	92.83	
08 51 13 00-0013	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,675.93	137.82
	For 50% Fluoropolymer Finish (Acrynar), Add	28.92	
	For 70% Fluoropolymer Finish (Duranar), Add	86.77	
	For Clear Anodized Finish, Add	72.31	
	For Color Anodized Finish, Add	101.24	
08 51 13 00-0014	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,804.20	145.47
	For 50% Fluoropolymer Finish (Acrynar), Add	31.24	
	For 70% Fluoropolymer Finish (Duranar), Add	93.71	
	For Clear Anodized Finish, Add	78.09	
	For Color Anodized Finish, Add	109.32	
08 51 13 00-0015	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	2,163.51	153.13
	For 50% Fluoropolymer Finish (Acrynar), Add	38.17	
	For 70% Fluoropolymer Finish (Duranar), Add	114.50	
	For Clear Anodized Finish, Add	95.41	
	For Color Anodized Finish, Add	133.58	
08 51 13 00-0016	SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	71.28	4.59
	For 50% Fluoropolymer Finish (Acrynar), Add	1.27	
	For 70% Fluoropolymer Finish (Duranar), Add	3.82	
	For Clear Anodized Finish, Add	3.18	
	For Color Anodized Finish, Add	4.45	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)

08 51 13 00-0018	EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,465.59	122.51
	For 50% Fluoropolymer Finish (Acrynar), Add	25.23	
	For 70% Fluoropolymer Finish (Duranar), Add	75.68	
	For Clear Anodized Finish, Add	63.07	
	For Color Anodized Finish, Add	88.30	
08 51 13 00-0019	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,658.54	130.16
	For 50% Fluoropolymer Finish (Acrynar), Add	28.83	
	For 70% Fluoropolymer Finish (Duranar), Add	86.50	
	For Clear Anodized Finish, Add	72.08	
	For Color Anodized Finish, Add	100.91	
08 51 13 00-0020	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,814.55	137.82
	For 50% Fluoropolymer Finish (Acrynar), Add	31.70	
	For 70% Fluoropolymer Finish (Duranar), Add	95.09	
	For Clear Anodized Finish, Add	79.24	
	For Color Anodized Finish, Add	110.94	
08 51 13 00-0021	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,965.92	145.47
	For 50% Fluoropolymer Finish (Acrynar), Add	34.47	
	For 70% Fluoropolymer Finish (Duranar), Add	103.41	
	For Clear Anodized Finish, Add	86.17	
	For Color Anodized Finish, Add	120.64	
08 51 13 00-0022	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	2,362.19	153.13
	For 50% Fluoropolymer Finish (Acrynar), Add	42.14	
	For 70% Fluoropolymer Finish (Duranar), Add	126.42	
	For Clear Anodized Finish, Add	105.35	
	For Color Anodized Finish, Add	147.49	
08 51 13 00-0023	SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	77.89	4.59
	For 50% Fluoropolymer Finish (Acrynar), Add	1.40	
	For 70% Fluoropolymer Finish (Duranar), Add	4.21	
	For Clear Anodized Finish, Add	3.51	
	For Color Anodized Finish, Add	4.92	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)

08 51 13 00-0025	EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,622.69	122.51
	For 50% Fluoropolymer Finish (Acrynar), Add	28.37	
	For 70% Fluoropolymer Finish (Duranar), Add	85.11	
	For Clear Anodized Finish, Add	70.93	
	For Color Anodized Finish, Add	99.30	
08 51 13 00-0026	EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,875.71	130.16
	For 50% Fluoropolymer Finish (Acrynar), Add	33.18	
	For 70% Fluoropolymer Finish (Duranar), Add	99.53	
	For Clear Anodized Finish, Add	82.94	
	For Color Anodized Finish, Add	116.11	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,036.34	137.82	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	36.13		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	108.40		
		<i>For Clear Anodized Finish, Add</i>	90.33		
		<i>For Color Anodized Finish, Add</i>	126.46		
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,187.70	145.47	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	38.91		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	116.72		
		<i>For Clear Anodized Finish, Add</i>	97.26		
		<i>For Color Anodized Finish, Add</i>	136.17		
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,551.63	153.13	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	45.93		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	137.78		
		<i>For Clear Anodized Finish, Add</i>	114.82		
		<i>For Color Anodized Finish, Add</i>	160.75		
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	84.22	4.59	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.53		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	4.59		
		<i>For Clear Anodized Finish, Add</i>	3.83		
		<i>For Color Anodized Finish, Add</i>	5.36		
08 51 13 00-0031		Double Hung Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0032		3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)			
08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,017.40	122.51	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.26		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	48.79		
		<i>For Clear Anodized Finish, Add</i>	40.66		
		<i>For Color Anodized Finish, Add</i>	56.93		
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,131.80	130.16	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.30		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	54.89		
		<i>For Clear Anodized Finish, Add</i>	45.74		
		<i>For Color Anodized Finish, Add</i>	64.04		
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,227.74	137.82	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.96		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	59.88		
		<i>For Clear Anodized Finish, Add</i>	49.90		
		<i>For Color Anodized Finish, Add</i>	69.86		
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,328.28	145.47	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.72		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	65.15		
		<i>For Clear Anodized Finish, Add</i>	54.29		
		<i>For Color Anodized Finish, Add</i>	76.01		
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,567.46	153.13	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	26.24		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	78.73		
		<i>For Clear Anodized Finish, Add</i>	65.61		
		<i>For Color Anodized Finish, Add</i>	91.86		
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	51.42	4.59	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.88		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.63		
		<i>For Clear Anodized Finish, Add</i>	2.19		
		<i>For Color Anodized Finish, Add</i>	3.06		
08 51 13 00-0039		4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)			
08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,280.77	122.51	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.53		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	64.60		
		<i>For Clear Anodized Finish, Add</i>	53.83		
		<i>For Color Anodized Finish, Add</i>	75.36		
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,496.82	130.16	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.60		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	76.79		
		<i>For Clear Anodized Finish, Add</i>	63.99		
		<i>For Color Anodized Finish, Add</i>	89.59		
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,671.31	137.82	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	28.83		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	86.50		
		<i>For Clear Anodized Finish, Add</i>	72.08		
		<i>For Color Anodized Finish, Add</i>	100.91		
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,868.88	145.47	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	32.53		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	97.59		
		<i>For Clear Anodized Finish, Add</i>	81.32		
		<i>For Color Anodized Finish, Add</i>	113.85		
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,237.44	153.13	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	39.64		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	118.93		
		<i>For Clear Anodized Finish, Add</i>	99.11		
		<i>For Color Anodized Finish, Add</i>	138.76		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0045 SF >30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	73.73	4.59
For 50% Fluoropolymer Finish (Acrynar), Add	1.32	
For 70% Fluoropolymer Finish (Duranar), Add	3.96	
For Clear Anodized Finish, Add	3.30	
For Color Anodized Finish, Add	4.62	
08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)		
08 51 13 00-0047 EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,645.79	122.51
For 50% Fluoropolymer Finish (Acrynar), Add	28.83	
For 70% Fluoropolymer Finish (Duranar), Add	86.50	
For Clear Anodized Finish, Add	72.08	
For Color Anodized Finish, Add	100.91	
08 51 13 00-0048 EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,898.81	130.16
For 50% Fluoropolymer Finish (Acrynar), Add	33.64	
For 70% Fluoropolymer Finish (Duranar), Add	100.91	
For Clear Anodized Finish, Add	84.09	
For Color Anodized Finish, Add	117.73	
08 51 13 00-0049 EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,110.26	137.82
For 50% Fluoropolymer Finish (Acrynar), Add	37.61	
For 70% Fluoropolymer Finish (Duranar), Add	112.83	
For Clear Anodized Finish, Add	94.03	
For Color Anodized Finish, Add	131.64	
08 51 13 00-0050 EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,317.08	145.47
For 50% Fluoropolymer Finish (Acrynar), Add	41.49	
For 70% Fluoropolymer Finish (Duranar), Add	124.48	
For Clear Anodized Finish, Add	103.73	
For Color Anodized Finish, Add	145.22	
08 51 13 00-0051 EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,824.25	153.13
For 50% Fluoropolymer Finish (Acrynar), Add	51.38	
For 70% Fluoropolymer Finish (Duranar), Add	154.14	
For Clear Anodized Finish, Add	128.45	
For Color Anodized Finish, Add	179.83	
08 51 13 00-0052 SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	93.28	4.59
For 50% Fluoropolymer Finish (Acrynar), Add	1.71	
For 70% Fluoropolymer Finish (Duranar), Add	5.14	
For Clear Anodized Finish, Add	4.28	
For Color Anodized Finish, Add	5.99	
08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)		
08 51 13 00-0054 EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	2,633.48	130.16
For 50% Fluoropolymer Finish (Acrynar), Add	48.33	
For 70% Fluoropolymer Finish (Duranar), Add	144.99	
For Clear Anodized Finish, Add	120.83	
For Color Anodized Finish, Add	169.16	
08 51 13 00-0055 EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	2,891.14	137.82
For 50% Fluoropolymer Finish (Acrynar), Add	53.23	
For 70% Fluoropolymer Finish (Duranar), Add	159.69	
For Clear Anodized Finish, Add	133.07	
For Color Anodized Finish, Add	186.30	
08 51 13 00-0056 EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	3,194.98	145.47
For 50% Fluoropolymer Finish (Acrynar), Add	59.05	
For 70% Fluoropolymer Finish (Duranar), Add	177.15	
For Clear Anodized Finish, Add	147.63	
For Color Anodized Finish, Add	206.68	
08 51 13 00-0057 EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	3,711.39	153.13
For 50% Fluoropolymer Finish (Acrynar), Add	69.12	
For 70% Fluoropolymer Finish (Duranar), Add	207.37	
For Clear Anodized Finish, Add	172.81	
For Color Anodized Finish, Add	241.93	
08 51 13 00-0058 SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	122.71	4.59
For 50% Fluoropolymer Finish (Acrynar), Add	2.30	
For 70% Fluoropolymer Finish (Duranar), Add	6.90	
For Clear Anodized Finish, Add	5.75	
For Color Anodized Finish, Add	8.05	
08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0031)		
08 51 13 00-0060 EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	3,677.72	130.16
For 50% Fluoropolymer Finish (Acrynar), Add	69.22	
For 70% Fluoropolymer Finish (Duranar), Add	207.65	
For Clear Anodized Finish, Add	173.04	
For Color Anodized Finish, Add	242.26	
08 51 13 00-0061 EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	3,967.72	137.82
For 50% Fluoropolymer Finish (Acrynar), Add	74.76	
For 70% Fluoropolymer Finish (Duranar), Add	224.28	
For Clear Anodized Finish, Add	186.90	
For Color Anodized Finish, Add	261.66	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0062	EA		>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	4,299.29	145.47
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	81.14	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	243.41	
			<i>For Clear Anodized Finish, Add</i>	202.84	
			<i>For Color Anodized Finish, Add</i>	283.98	
08 51 13 00-0063	EA		>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	4,880.39	153.13
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	92.50	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	277.51	
			<i>For Clear Anodized Finish, Add</i>	231.26	
			<i>For Color Anodized Finish, Add</i>	323.76	
08 51 13 00-0064	SF		>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	161.99	4.59
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.09	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	9.26	
			<i>For Clear Anodized Finish, Add</i>	7.72	
			<i>For Color Anodized Finish, Add</i>	10.80	
08 51 13 00-0065			Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0066			One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>		
08 51 13 00-0067			2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <small>(08 51 13 00-0066)</small>		
08 51 13 00-0068	EA		Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	915.74	122.51
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.23	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	42.69	
			<i>For Clear Anodized Finish, Add</i>	35.58	
			<i>For Color Anodized Finish, Add</i>	49.81	
08 51 13 00-0069	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,039.39	130.16
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.45	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	49.35	
			<i>For Clear Anodized Finish, Add</i>	41.12	
			<i>For Color Anodized Finish, Add</i>	57.57	
08 51 13 00-0070	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,130.71	137.82
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.02	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	54.06	
			<i>For Clear Anodized Finish, Add</i>	45.05	
			<i>For Color Anodized Finish, Add</i>	63.07	
08 51 13 00-0071	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,226.63	145.47
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.68	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	59.05	
			<i>For Clear Anodized Finish, Add</i>	49.21	
			<i>For Color Anodized Finish, Add</i>	68.89	
08 51 13 00-0072	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,428.84	153.13
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	23.47	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	70.42	
			<i>For Clear Anodized Finish, Add</i>	58.68	
			<i>For Color Anodized Finish, Add</i>	82.15	
08 51 13 00-0073	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	46.80	4.59
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.78	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.35	
			<i>For Clear Anodized Finish, Add</i>	1.96	
			<i>For Color Anodized Finish, Add</i>	2.74	
08 51 13 00-0074			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <small>(08 51 13 00-0066)</small>		
08 51 13 00-0075	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,502.55	122.51
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.97	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	77.90	
			<i>For Clear Anodized Finish, Add</i>	64.92	
			<i>For Color Anodized Finish, Add</i>	90.89	
08 51 13 00-0076	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,700.13	130.16
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	29.66	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	88.99	
			<i>For Clear Anodized Finish, Add</i>	74.16	
			<i>For Color Anodized Finish, Add</i>	103.82	
08 51 13 00-0077	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,856.13	137.82
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	32.53	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	97.59	
			<i>For Clear Anodized Finish, Add</i>	81.32	
			<i>For Color Anodized Finish, Add</i>	113.85	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0078	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,007.50 35.30 105.90 88.25 123.55	145.47
08 51 13 00-0079	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,343.71 41.77 125.31 104.42 146.19	153.13
08 51 13 00-0080	SF		>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	77.29 1.39 4.18 3.48 4.87	4.59
08 51 13 00-0081			Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0082			3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0081)		
08 51 13 00-0083	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,035.88 16.63 49.90 41.59 58.22	122.51
08 51 13 00-0084	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,196.49 19.59 58.77 48.98 68.57	130.16
08 51 13 00-0085	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,301.67 21.44 64.32 53.60 75.04	137.82
08 51 13 00-0086	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,388.35 22.92 68.75 57.30 80.21	145.47
08 51 13 00-0087	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,618.28 27.26 81.78 68.15 95.41	153.13
08 51 13 00-0088	SF		>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	53.08 0.91 2.73 2.27 3.18	4.59
08 51 13 00-0089			Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0090			4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)		
08 51 13 00-0091	EA		Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,787.07 51.66 154.97 129.14 180.80	122.51
08 51 13 00-0092	EA		>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	3,207.08 59.42 178.26 148.55 207.97	141.65
08 51 13 00-0093	EA		>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	3,469.36 64.41 193.23 161.03 225.44	149.30

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0094	EA >24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	4,203.59	168.44
	For 50% Fluoropolymer Finish (Acrynar), Add	78.46	
	For 70% Fluoropolymer Finish (Duramar), Add	235.37	
	For Clear Anodized Finish, Add	196.14	
	For Color Anodized Finish, Add	274.60	
08 51 13 00-0095	EA >40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	4,856.40	191.41
	For 50% Fluoropolymer Finish (Acrynar), Add	90.75	
	For 70% Fluoropolymer Finish (Duramar), Add	272.24	
	For Clear Anodized Finish, Add	226.87	
	For Color Anodized Finish, Add	317.62	
08 51 13 00-0096	SF >60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	83.25	4.59
	For 50% Fluoropolymer Finish (Acrynar), Add	1.51	
	For 70% Fluoropolymer Finish (Duramar), Add	4.54	
	For Clear Anodized Finish, Add	3.78	
	For Color Anodized Finish, Add	5.29	
08 51 13 00-0097	Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098	2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	698.58	122.51
	For 50% Fluoropolymer Finish (Acrynar), Add	9.89	
	For 70% Fluoropolymer Finish (Duramar), Add	29.66	
	For Clear Anodized Finish, Add	24.72	
	For Color Anodized Finish, Add	34.61	
08 51 13 00-0100	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	803.74	130.16
	For 50% Fluoropolymer Finish (Acrynar), Add	11.74	
	For 70% Fluoropolymer Finish (Duramar), Add	35.21	
	For Clear Anodized Finish, Add	29.34	
	For Color Anodized Finish, Add	41.08	
08 51 13 00-0101	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	848.85	137.82
	For 50% Fluoropolymer Finish (Acrynar), Add	12.38	
	For 70% Fluoropolymer Finish (Duramar), Add	37.15	
	For Clear Anodized Finish, Add	30.96	
	For Color Anodized Finish, Add	43.34	
08 51 13 00-0102	EA >15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	893.95	145.47
	For 50% Fluoropolymer Finish (Acrynar), Add	13.03	
	For 70% Fluoropolymer Finish (Duramar), Add	39.09	
	For Clear Anodized Finish, Add	32.58	
	For Color Anodized Finish, Add	45.61	
08 51 13 00-0103	EA >20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	1,207.05	153.13
	For 50% Fluoropolymer Finish (Acrynar), Add	19.04	
	For 70% Fluoropolymer Finish (Duramar), Add	57.11	
	For Clear Anodized Finish, Add	47.59	
	For Color Anodized Finish, Add	66.63	
08 51 13 00-0104	SF >30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	39.40	4.59
	For 50% Fluoropolymer Finish (Acrynar), Add	0.63	
	For 70% Fluoropolymer Finish (Duramar), Add	1.90	
	For Clear Anodized Finish, Add	1.59	
	For Color Anodized Finish, Add	2.22	
08 51 13 00-0105	2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)		
08 51 13 00-0106	EA Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	901.88	122.51
	For 50% Fluoropolymer Finish (Acrynar), Add	13.95	
	For 70% Fluoropolymer Finish (Duramar), Add	41.86	
	For Clear Anodized Finish, Add	34.89	
	For Color Anodized Finish, Add	48.84	
08 51 13 00-0107	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	1,039.39	130.16
	For 50% Fluoropolymer Finish (Acrynar), Add	16.45	
	For 70% Fluoropolymer Finish (Duramar), Add	49.35	
	For Clear Anodized Finish, Add	41.12	
	For Color Anodized Finish, Add	57.57	
08 51 13 00-0108	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	1,121.47	137.82
	For 50% Fluoropolymer Finish (Acrynar), Add	17.84	
	For 70% Fluoropolymer Finish (Duramar), Add	53.51	
	For Clear Anodized Finish, Add	44.59	
	For Color Anodized Finish, Add	62.42	
08 51 13 00-0109	EA >15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	1,208.15	145.47
	For 50% Fluoropolymer Finish (Acrynar), Add	19.31	
	For 70% Fluoropolymer Finish (Duramar), Add	57.94	
	For Clear Anodized Finish, Add	48.29	
	For Color Anodized Finish, Add	67.60	
08 51 13 00-0110	EA >20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	1,618.28	153.13
	For 50% Fluoropolymer Finish (Acrynar), Add	27.26	
	For 70% Fluoropolymer Finish (Duramar), Add	81.78	
	For Clear Anodized Finish, Add	68.15	
	For Color Anodized Finish, Add	95.41	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0111 SF >30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	53.08	4.59
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.91	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.73	
<i>For Clear Anodized Finish, Add</i>	2.27	
<i>For Color Anodized Finish, Add</i>	3.18	
08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) (08 51 13		
<small>00-0097)</small>		
08 51 13 00-0113 EA Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	763.27	122.51
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.18	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.55	
<i>For Clear Anodized Finish, Add</i>	27.95	
<i>For Color Anodized Finish, Add</i>	39.14	
08 51 13 00-0114 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	900.77	130.16
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.68	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	41.03	
<i>For Clear Anodized Finish, Add</i>	34.19	
<i>For Color Anodized Finish, Add</i>	47.87	
08 51 13 00-0115 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	973.61	137.82
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.88	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	44.63	
<i>For Clear Anodized Finish, Add</i>	37.20	
<i>For Color Anodized Finish, Add</i>	52.07	
08 51 13 00-0116 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	1,051.05	145.47
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.17	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	48.52	
<i>For Clear Anodized Finish, Add</i>	40.43	
<i>For Color Anodized Finish, Add</i>	56.60	
08 51 13 00-0117 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	1,438.08	153.13
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	23.66	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	70.97	
<i>For Clear Anodized Finish, Add</i>	59.14	
<i>For Color Anodized Finish, Add</i>	82.80	
08 51 13 00-0118 SF >30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	47.07	4.59
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.79	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.36	
<i>For Clear Anodized Finish, Add</i>	1.97	
<i>For Color Anodized Finish, Add</i>	2.76	
08 51 13 00-0119 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-		
<small>0097)</small>		
08 51 13 00-0120 EA Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	758.65	122.51
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.09	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.27	
<i>For Clear Anodized Finish, Add</i>	27.72	
<i>For Color Anodized Finish, Add</i>	38.81	
08 51 13 00-0121 EA >6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	882.29	130.16
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.31	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	39.92	
<i>For Clear Anodized Finish, Add</i>	33.27	
<i>For Color Anodized Finish, Add</i>	46.58	
08 51 13 00-0122 EA >10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	955.13	137.82
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.51	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	43.53	
<i>For Clear Anodized Finish, Add</i>	36.27	
<i>For Color Anodized Finish, Add</i>	50.78	
08 51 13 00-0123 EA >15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	1,032.56	145.47
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.80	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	47.41	
<i>For Clear Anodized Finish, Add</i>	39.51	
<i>For Color Anodized Finish, Add</i>	55.31	
08 51 13 00-0124 EA >20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	1,419.60	153.13
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	23.29	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	69.86	
<i>For Clear Anodized Finish, Add</i>	58.22	
<i>For Color Anodized Finish, Add</i>	81.51	
08 51 13 00-0125 SF >30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	46.47	4.59
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.78	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.33	
<i>For Clear Anodized Finish, Add</i>	1.94	
<i>For Color Anodized Finish, Add</i>	2.72	
08 51 13 00-0126 Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0127 Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum		
Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	1,046.04	122.51
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.84	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.51	
<i>For Clear Anodized Finish, Add</i>	42.09	
<i>For Color Anodized Finish, Add</i>	58.93	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0130	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,135.96 18.38 55.14 45.95 64.33	130.16
08 51 13 00-0131	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,241.60 20.24 60.71 50.60 70.83	137.82
08 51 13 00-0132	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	75.12 1.35 4.05 3.37 4.72	4.59
08 51 13 00-0133			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0134	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,454.55 25.07 75.02 62.52 87.53	122.51
08 51 13 00-0135	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,611.92 27.90 83.70 69.75 97.65	130.16
08 51 13 00-0136	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,796.07 31.33 93.98 78.32 109.65	137.82
08 51 13 00-0137	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	112.08 2.09 6.27 5.22 7.31	4.59
08 51 13 00-0138			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0139	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,607.76 28.07 84.21 70.18 98.25	122.51
08 51 13 00-0140	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,790.37 31.47 94.41 78.67 110.14	130.16
08 51 13 00-0141	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,003.99 35.49 106.46 88.71 124.20	137.82
08 51 13 00-0142	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	125.95 2.37 7.10 5.91 8.28	4.59
08 51 13 00-0143			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0144	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,713.30 30.18 90.55 75.46 105.64	122.51
08 51 13 00-0145	EA		>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Durandar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,913.32 33.93 101.78 84.82 118.75	130.16



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0146	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,147.23	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	38.35	
			For 70% Fluoropolymer Finish (Duranar), Add	115.05	
			For Clear Anodized Finish, Add	95.88	
			For Color Anodized Finish, Add	134.23	
08 51 13 00-0147	SF		>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	135.51	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	2.56	
			For 70% Fluoropolymer Finish (Duranar), Add	7.67	
			For Clear Anodized Finish, Add	6.39	
			For Color Anodized Finish, Add	8.95	
08 51 13 00-0148			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)		
08 51 13 00-0149	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,699.67	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	29.91	
			For 70% Fluoropolymer Finish (Duranar), Add	89.73	
			For Clear Anodized Finish, Add	74.77	
			For Color Anodized Finish, Add	104.68	
08 51 13 00-0150	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,897.47	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	33.61	
			For 70% Fluoropolymer Finish (Duranar), Add	100.83	
			For Clear Anodized Finish, Add	84.03	
			For Color Anodized Finish, Add	117.64	
08 51 13 00-0151	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,128.75	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	37.98	
			For 70% Fluoropolymer Finish (Duranar), Add	113.94	
			For Clear Anodized Finish, Add	94.95	
			For Color Anodized Finish, Add	132.93	
08 51 13 00-0152	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	134.26	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	2.53	
			For 70% Fluoropolymer Finish (Duranar), Add	7.60	
			For Clear Anodized Finish, Add	6.33	
			For Color Anodized Finish, Add	8.86	
08 51 13 00-0153			Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0154			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)		
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,492.02	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	25.76	
			For 70% Fluoropolymer Finish (Duranar), Add	77.27	
			For Clear Anodized Finish, Add	64.39	
			For Color Anodized Finish, Add	90.15	
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,655.54	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	28.77	
			For 70% Fluoropolymer Finish (Duranar), Add	86.32	
			For Clear Anodized Finish, Add	71.93	
			For Color Anodized Finish, Add	100.70	
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,846.89	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	32.34	
			For 70% Fluoropolymer Finish (Duranar), Add	97.03	
			For Clear Anodized Finish, Add	80.86	
			For Color Anodized Finish, Add	113.20	
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	115.32	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	2.15	
			For 70% Fluoropolymer Finish (Duranar), Add	6.46	
			For Clear Anodized Finish, Add	5.38	
			For Color Anodized Finish, Add	7.54	
08 51 13 00-0159			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		
08 51 13 00-0160	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,138.85	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	38.69	
			For 70% Fluoropolymer Finish (Duranar), Add	116.08	
			For Clear Anodized Finish, Add	96.73	
			For Color Anodized Finish, Add	135.43	
08 51 13 00-0161	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,409.10	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	43.84	
			For 70% Fluoropolymer Finish (Duranar), Add	131.53	
			For Clear Anodized Finish, Add	109.61	
			For Color Anodized Finish, Add	153.45	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,724.80	137.82
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	49.90	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	149.71	
		<i>For Clear Anodized Finish, Add</i>	124.76	
		<i>For Color Anodized Finish, Add</i>	174.66	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	174.00	4.59
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.33	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	9.98	
		<i>For Clear Anodized Finish, Add</i>	8.32	
		<i>For Color Anodized Finish, Add</i>	11.64	
08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)				
08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,275.02	122.51
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	41.42	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	124.25	
		<i>For Clear Anodized Finish, Add</i>	103.54	
		<i>For Color Anodized Finish, Add</i>	144.96	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,567.73	130.16
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	47.02	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	141.05	
		<i>For Clear Anodized Finish, Add</i>	117.54	
		<i>For Color Anodized Finish, Add</i>	164.56	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,909.62	137.82
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	53.60	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	160.80	
		<i>For Clear Anodized Finish, Add</i>	134.00	
		<i>For Color Anodized Finish, Add</i>	187.59	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	186.01	4.59
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.57	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	10.70	
		<i>For Clear Anodized Finish, Add</i>	8.92	
		<i>For Color Anodized Finish, Add</i>	12.48	
08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)				
08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,261.43	122.51
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	41.15	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	123.44	
		<i>For Clear Anodized Finish, Add</i>	102.86	
		<i>For Color Anodized Finish, Add</i>	144.01	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,551.88	130.16
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	46.70	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	140.10	
		<i>For Clear Anodized Finish, Add</i>	116.75	
		<i>For Color Anodized Finish, Add</i>	163.45	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,891.14	137.82
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	53.23	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	159.69	
		<i>For Clear Anodized Finish, Add</i>	133.07	
		<i>For Color Anodized Finish, Add</i>	186.30	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	185.09	4.59
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.55	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	10.65	
		<i>For Clear Anodized Finish, Add</i>	8.87	
		<i>For Color Anodized Finish, Add</i>	12.42	
08 51 13 00-0174 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)				
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,472.50	122.51
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	45.37	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	136.10	
		<i>For Clear Anodized Finish, Add</i>	113.42	
		<i>For Color Anodized Finish, Add</i>	158.78	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,797.78	130.16
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	51.62	
		<i>For 70% Fluoropolymer Finish (Duramar), Add</i>	154.85	
		<i>For Clear Anodized Finish, Add</i>	129.04	
		<i>For Color Anodized Finish, Add</i>	180.66	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,177.61	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	58.96	
			For 70% Fluoropolymer Finish (Duranar), Add	176.87	
			For Clear Anodized Finish, Add	147.40	
			For Color Anodized Finish, Add	206.35	
08 51	13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	204.03	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	3.93	
			For 70% Fluoropolymer Finish (Duranar), Add	11.78	
			For Clear Anodized Finish, Add	9.82	
			For Color Anodized Finish, Add	13.75	
08 51	13 00-0179		Casement Aluminum Windows (08 51 13 00-0001)		
08 51	13 00-0180		Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51	13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51	13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,212.85	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	20.17	
			For 70% Fluoropolymer Finish (Duranar), Add	60.52	
			For Clear Anodized Finish, Add	50.43	
			For Color Anodized Finish, Add	70.61	
08 51	13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,330.30	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	22.27	
			For 70% Fluoropolymer Finish (Duranar), Add	66.80	
			For Clear Anodized Finish, Add	55.67	
			For Color Anodized Finish, Add	77.94	
08 51	13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,468.01	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	24.77	
			For 70% Fluoropolymer Finish (Duranar), Add	74.30	
			For Clear Anodized Finish, Add	61.92	
			For Color Anodized Finish, Add	86.68	
08 51	13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	90.23	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	1.65	
			For 70% Fluoropolymer Finish (Duranar), Add	4.95	
			For Clear Anodized Finish, Add	4.13	
			For Color Anodized Finish, Add	5.78	
08 51	13 00-0186		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		
08 51	13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,832.46	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	32.57	
			For 70% Fluoropolymer Finish (Duranar), Add	97.70	
			For Clear Anodized Finish, Add	81.41	
			For Color Anodized Finish, Add	113.98	
08 51	13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,052.12	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	36.70	
			For 70% Fluoropolymer Finish (Duranar), Add	110.11	
			For Clear Anodized Finish, Add	91.76	
			For Color Anodized Finish, Add	128.46	
08 51	13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,308.95	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	41.59	
			For 70% Fluoropolymer Finish (Duranar), Add	124.76	
			For Clear Anodized Finish, Add	103.96	
			For Color Anodized Finish, Add	145.55	
08 51	13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	146.28	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	2.77	
			For 70% Fluoropolymer Finish (Duranar), Add	8.32	
			For Clear Anodized Finish, Add	6.93	
			For Color Anodized Finish, Add	9.70	
08 51	13 00-0191		3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51	13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,842.67	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	32.77	
			For 70% Fluoropolymer Finish (Duranar), Add	98.31	
			For Clear Anodized Finish, Add	81.92	
			For Color Anodized Finish, Add	114.69	
08 51	13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,064.04	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	36.94	
			For 70% Fluoropolymer Finish (Duranar), Add	110.83	
			For Clear Anodized Finish, Add	92.36	
			For Color Anodized Finish, Add	129.30	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0194	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,322.81	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	41.86	
			For 70% Fluoropolymer Finish (Duramar), Add	125.59	
			For Clear Anodized Finish, Add	104.66	
			For Color Anodized Finish, Add	146.52	
08 51 13 00-0195	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	147.20	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	2.79	
			For 70% Fluoropolymer Finish (Duramar), Add	8.37	
			For Clear Anodized Finish, Add	6.98	
			For Color Anodized Finish, Add	9.77	
08 51 13 00-0196			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		
08 51 13 00-0197	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,948.21	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	34.88	
			For 70% Fluoropolymer Finish (Duramar), Add	104.64	
			For Clear Anodized Finish, Add	87.20	
			For Color Anodized Finish, Add	122.08	
08 51 13 00-0198	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,186.99	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	39.40	
			For 70% Fluoropolymer Finish (Duramar), Add	118.20	
			For Clear Anodized Finish, Add	98.50	
			For Color Anodized Finish, Add	137.90	
08 51 13 00-0199	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,466.05	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	44.73	
			For 70% Fluoropolymer Finish (Duramar), Add	134.18	
			For Clear Anodized Finish, Add	111.82	
			For Color Anodized Finish, Add	156.54	
08 51 13 00-0200	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	156.77	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	2.98	
			For 70% Fluoropolymer Finish (Duramar), Add	8.95	
			For Clear Anodized Finish, Add	7.46	
			For Color Anodized Finish, Add	10.44	
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,400.10	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	23.92	
			For 70% Fluoropolymer Finish (Duramar), Add	71.76	
			For Clear Anodized Finish, Add	59.80	
			For Color Anodized Finish, Add	83.71	
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,548.43	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	26.63	
			For 70% Fluoropolymer Finish (Duramar), Add	79.89	
			For Clear Anodized Finish, Add	66.58	
			For Color Anodized Finish, Add	93.21	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,722.14	137.82
			For 50% Fluoropolymer Finish (Acrynar), Add	29.85	
			For 70% Fluoropolymer Finish (Duramar), Add	89.55	
			For Clear Anodized Finish, Add	74.62	
			For Color Anodized Finish, Add	104.47	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	107.14	4.59
			For 50% Fluoropolymer Finish (Acrynar), Add	1.99	
			For 70% Fluoropolymer Finish (Duramar), Add	5.97	
			For Clear Anodized Finish, Add	4.97	
			For Color Anodized Finish, Add	6.96	
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,019.69	122.51
			For 50% Fluoropolymer Finish (Acrynar), Add	36.31	
			For 70% Fluoropolymer Finish (Duramar), Add	108.93	
			For Clear Anodized Finish, Add	90.78	
			For Color Anodized Finish, Add	127.09	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,270.26	130.16
			For 50% Fluoropolymer Finish (Acrynar), Add	41.07	
			For 70% Fluoropolymer Finish (Duramar), Add	123.20	
			For Clear Anodized Finish, Add	102.67	
			For Color Anodized Finish, Add	143.73	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0210 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,563.08	137.82
For 50% Fluoropolymer Finish (Acrynar), Add	46.67	
For 70% Fluoropolymer Finish (Duramar), Add	140.00	
For Clear Anodized Finish, Add	116.67	
For Color Anodized Finish, Add	163.34	
08 51 13 00-0211 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	163.23	4.59
For 50% Fluoropolymer Finish (Acrynar), Add	3.11	
For 70% Fluoropolymer Finish (Duramar), Add	9.33	
For Clear Anodized Finish, Add	7.78	
For Color Anodized Finish, Add	10.89	
08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,247.80	122.51
For 50% Fluoropolymer Finish (Acrynar), Add	40.87	
For 70% Fluoropolymer Finish (Duramar), Add	122.62	
For Clear Anodized Finish, Add	102.18	
For Color Anodized Finish, Add	143.05	
08 51 13 00-0214 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,536.03	130.16
For 50% Fluoropolymer Finish (Acrynar), Add	46.38	
For 70% Fluoropolymer Finish (Duramar), Add	139.15	
For Clear Anodized Finish, Add	115.96	
For Color Anodized Finish, Add	162.34	
08 51 13 00-0215 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,872.65	137.82
For 50% Fluoropolymer Finish (Acrynar), Add	52.86	
For 70% Fluoropolymer Finish (Duramar), Add	158.58	
For Clear Anodized Finish, Add	132.15	
For Color Anodized Finish, Add	185.01	
08 51 13 00-0216 SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	183.84	4.59
For 50% Fluoropolymer Finish (Acrynar), Add	3.52	
For 70% Fluoropolymer Finish (Duramar), Add	10.57	
For Clear Anodized Finish, Add	8.81	
For Color Anodized Finish, Add	12.33	
08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)		
08 51 13 00-0218 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,455.45	122.51
For 50% Fluoropolymer Finish (Acrynar), Add	45.03	
For 70% Fluoropolymer Finish (Duramar), Add	135.08	
For Clear Anodized Finish, Add	112.56	
For Color Anodized Finish, Add	157.59	
08 51 13 00-0219 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,777.96	130.16
For 50% Fluoropolymer Finish (Acrynar), Add	51.22	
For 70% Fluoropolymer Finish (Duramar), Add	153.66	
For Clear Anodized Finish, Add	128.05	
For Color Anodized Finish, Add	179.27	
08 51 13 00-0220 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,154.51	137.82
For 50% Fluoropolymer Finish (Acrynar), Add	58.50	
For 70% Fluoropolymer Finish (Duramar), Add	175.49	
For Clear Anodized Finish, Add	146.24	
For Color Anodized Finish, Add	204.74	
08 51 13 00-0221 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	202.65	4.59
For 50% Fluoropolymer Finish (Acrynar), Add	3.90	
For 70% Fluoropolymer Finish (Duramar), Add	11.70	
For Clear Anodized Finish, Add	9.75	
For Color Anodized Finish, Add	13.65	
08 51 13 00-0222 Aluminum Window Accessories (08 51 13)		
08 51 13 00-0223 Aluminum Window Mullions (08 51 13 00-0222)		
08 51 13 00-0224 LF Integral Mullions For Aluminum Windows	40.04	5.74
For 50% Fluoropolymer Finish (Acrynar), Add	0.59	
For 70% Fluoropolymer Finish (Duramar), Add	1.76	
For Clear Anodized Finish, Add	1.47	
For Color Anodized Finish, Add	2.06	
08 51 13 00-0225 Aluminum Window Panning (08 51 13 00-0222)		
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	427.96 6.97 20.92 17.43 24.40	47.59
08 51	13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	581.64 8.99 26.97 22.47 31.46	79.32
08 51	13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	689.75 9.83 29.49 24.57 34.40	118.97
08 51	13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	806.24 10.84 32.51 27.09 37.93	158.62
08 51	13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,035.04 12.77 38.31 31.92 44.69	237.94
08 51	13 00-0231	SF	>30 SF Window, Aluminum Window Panning For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	36.47 0.40 1.20 1.00 1.40	9.92
08 51	13 00-0232		Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)		
08 51	13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	9.55 0.04 0.11 0.09 0.13	5.74
08 51	13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	15.01 0.15 0.44 0.37 0.51	5.74
08 51	13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	29.64 0.21 0.63 0.53 0.74	5.74
08 51	13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duramar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	36.40 0.29 0.88 0.74 1.03	5.74
08 51	13 00-0237		Other Aluminum Window Accessories (08 51 13 00-0222)		
08 51	13 00-0238	EA	Roto Operator For Casement Aluminum Windows	357.35	25.51
08 51	13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	172.53	25.51
08 51	19		Stainless-Steel Windows (08 51)		
			See CSI section 08 80 00 00-0000 for glazing.		
08 51	19 00-0001		Stainless Steel Windows Types (08 51 19)		
08 51	19 00-0002		Industrial (08 51 19 00-0001)		
08 51	19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	120.28	7.66
08 51	19 00-0004	SF	Stainless Steel Window, Fixed Sash	89.94	7.66
08 51	19 00-0005		Projected Sash (08 51 19 00-0001)		
08 51	19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	125.94	7.66
08 51	19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	139.36	7.66
08 51	19 00-0008		Other Type Sash (08 51 19 00-0001)		
08 51	19 00-0009	SF	Double Hung Stainless Steel Window Sash	152.74	7.66
08 51	19 00-0010	SF	Single Hung Stainless Steel Window Sash	107.16	7.66
08 51	19 00-0011	SF	Stainless Steel Picture Window Sash	89.04	7.66
08 51	19 00-0012	SF	Sliding Stainless Steel Window	157.65	7.66
08 51	19 00-0013		Casements (08 51 19 00-0001)		
08 51	19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	136.58	7.66



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 19 00-0015 SF Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	117.72	7.66
08 51 19 00-0016 SF Stainless Steel Window Casements, Fixed Sash, Factory Primed	82.13	7.66
08 51 23 Steel Windows <small>(08 51)</small>		
Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001 Steel Windows <small>(08 51 23)</small>		
08 51 23 00-0002 Industrial <small>(08 51 23 00-0001)</small>		
08 51 23 00-0003 SF Industrial Steel Window With Horizontal Pivot Sash	56.32	7.66
08 51 23 00-0004 SF Industrial Steel Window, With Fixed Sash	51.06	7.66
08 51 23 00-0005 SF Industrial Steel Window, With Operable Security Sash	77.87	7.66
08 51 23 00-0006 SF Industrial Steel Window, With Fixed Security Sash	67.36	7.66
08 51 23 00-0007 Projected Sash <small>(08 51 23 00-0001)</small>		
08 51 23 00-0008 SF Commercial Projected Sash Window - 40% Vented Steel	61.61	7.66
08 51 23 00-0009 SF Intermediate Projected Sash Window - 40% Vented Steel	67.39	7.66
08 51 23 00-0010 Other Type Sash <small>(08 51 23 00-0001)</small>		
08 51 23 00-0011 SF Double Hung Steel Window Sash	77.60	7.66
08 51 23 00-0012 SF Steel Picture Window Sash	36.44	7.66
08 51 23 00-0013 SF Fire Rated Double Hung Steel Window Sash	79.88	9.57
08 51 23 00-0014 SF Single Hung Steel Window Sash	56.49	7.66
08 51 23 00-0015 Casements <small>(08 51 23 00-0001)</small>		
08 51 23 00-0016 SF Steel Window Casements, 100% Vented Operable, Factory Primed	70.13	3.82
08 51 23 00-0017 SF Steel Window Casements, 50% Vented Operable, Factory Primed	61.39	3.82
08 51 23 00-0018 SF Steel Window Casements, Fixed Sash, Factory Primed	44.90	5.74
08 51 23 00-0019 Mullions <small>(08 51 23 00-0001)</small>		
08 51 23 00-0020 LF Open Faced Steel Mullion	27.95	5.74
08 51 23 00-0021 LF Covered Steel Mullions	44.48	5.74
08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame <small>(08 51 23)</small>		
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023 SF Removal And Reinstallation Of Metal Window And Frame	19.63	
08 51 69 Metal Storm Windows <small>(08 51)</small>		
08 51 69 00-0001 Storm Windows <small>(08 51 69)</small>		
08 51 69 00-0002 SF Double Hung, Aluminum, Combination Storm And Screen	50.18	3.82
08 52 Wood Windows <small>(08 50)</small>		
08 52 11 Wood Windows <small>(08 52)</small>		
08 52 11 00-0001 Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11)</small>		
Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002 30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0003 EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	352.26	
For Low-E Insulated Glass, Add	27.81	
For Aluminum Clad Exterior, Add	29.79	
08 52 11 00-0004 EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	373.69	
For Low-E Insulated Glass, Add	29.81	
For Aluminum Clad Exterior, Add	31.94	
08 52 11 00-0005 EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	396.56	
For Low-E Insulated Glass, Add	32.01	
For Aluminum Clad Exterior, Add	34.29	
08 52 11 00-0006 EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	408.71	
For Low-E Insulated Glass, Add	33.21	
For Aluminum Clad Exterior, Add	35.58	
08 52 11 00-0007 EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	419.43	
For Low-E Insulated Glass, Add	34.21	
For Aluminum Clad Exterior, Add	36.65	
08 52 11 00-0008 EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	433.00	
For Low-E Insulated Glass, Add	35.61	
For Aluminum Clad Exterior, Add	38.15	
08 52 11 00-0009 EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	439.48	
For Low-E Insulated Glass, Add	36.02	
For Aluminum Clad Exterior, Add	38.59	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	466.58 38.81 41.58	
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	489.45 41.01 43.94	
08 52 11 00-0012	34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	373.69 29.81 31.94	
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	396.56 32.01 34.29	
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	415.86 34.21 36.65	
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	433.00 35.61 38.15	
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	443.72 36.61 39.22	
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	455.87 37.81 40.51	
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	466.58 38.81 41.58	
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	489.45 41.01 43.94	
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	512.31 43.21 46.30	
08 52 11 00-0022	36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	384.05 31.01 33.22	
08 52 11 00-0024	EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	406.92 33.21 35.58	
08 52 11 00-0025	EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	431.22 35.61 38.15	
08 52 11 00-0026	EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	441.93 36.61 39.22	
08 52 11 00-0027	EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	454.08 37.81 40.51	
08 52 11 00-0028	EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	464.80 38.81 41.58	
08 52 11 00-0029	EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	476.95 40.01 42.87	
08 52 11 00-0030	EA 40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	498.37 42.01 45.01	
08 52 11 00-0031	EA 44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	521.24 44.21 47.37	
08 52 11 00-0032	38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA 20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	398.35 32.01 34.29	
08 52 11 00-0034	EA 24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	421.22 34.21 36.65	
08 52 11 00-0035	EA 28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	445.50 36.61 39.22	
08 52 11 00-0036	EA 30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	457.66 37.81 40.51	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0037 EA 32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	468.37 38.81 41.58	
08 52 11 00-0038 EA 34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	480.52 40.01 42.87	
08 52 11 00-0039 EA 36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	491.23 41.01 43.94	
08 52 11 00-0040 EA 40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	514.10 43.21 46.30	
08 52 11 00-0041 EA 44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	536.96 45.41 48.66	
08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0043 EA 20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	443.72 36.61 39.22	
08 52 11 00-0044 EA 24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	466.58 38.81 41.58	
08 52 11 00-0045 EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	489.45 41.01 43.94	
08 52 11 00-0046 EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	500.16 42.01 45.01	
08 52 11 00-0047 EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	512.31 43.21 46.30	
08 52 11 00-0048 EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	523.02 44.21 47.37	
08 52 11 00-0049 EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	535.18 45.41 48.66	
08 52 11 00-0050 EA 40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	558.04 47.61 51.01	
08 52 11 00-0051 EA 44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	582.33 50.01 53.58	
08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0053 EA 20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	454.08 37.81 40.51	
08 52 11 00-0054 EA 24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	476.95 40.01 42.87	
08 52 11 00-0055 EA 28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	498.37 42.01 45.01	
08 52 11 00-0056 EA 30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	510.52 43.21 46.30	
08 52 11 00-0057 EA 32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	521.24 44.21 47.37	
08 52 11 00-0058 EA 34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	533.39 45.41 48.66	
08 52 11 00-0059 EA 36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	544.10 46.41 49.73	
08 52 11 00-0060 EA 40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	568.41 48.81 52.30	
08 52 11 00-0061 EA 44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	591.27 51.01 54.66	
08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0063 EA 20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	468.37 38.81 41.58	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	491.23	
			<i>For Low-E Insulated Glass, Add</i>	41.01	
			<i>For Aluminum Clad Exterior, Add</i>	43.94	
08 52 11 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.10	
			<i>For Low-E Insulated Glass, Add</i>	43.21	
			<i>For Aluminum Clad Exterior, Add</i>	46.30	
08 52 11 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	524.81	
			<i>For Low-E Insulated Glass, Add</i>	44.21	
			<i>For Aluminum Clad Exterior, Add</i>	47.37	
08 52 11 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	536.96	
			<i>For Low-E Insulated Glass, Add</i>	45.41	
			<i>For Aluminum Clad Exterior, Add</i>	48.66	
08 52 11 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	547.67	
			<i>For Low-E Insulated Glass, Add</i>	46.41	
			<i>For Aluminum Clad Exterior, Add</i>	49.73	
08 52 11 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	559.83	
			<i>For Low-E Insulated Glass, Add</i>	47.61	
			<i>For Aluminum Clad Exterior, Add</i>	51.01	
08 52 11 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	584.12	
			<i>For Low-E Insulated Glass, Add</i>	50.01	
			<i>For Aluminum Clad Exterior, Add</i>	53.58	
08 52 11 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	606.99	
			<i>For Low-E Insulated Glass, Add</i>	52.21	
			<i>For Aluminum Clad Exterior, Add</i>	55.94	
08 52 11 00-0072			54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	491.23	
			<i>For Low-E Insulated Glass, Add</i>	41.01	
			<i>For Aluminum Clad Exterior, Add</i>	43.94	
08 52 11 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	514.10	
			<i>For Low-E Insulated Glass, Add</i>	43.21	
			<i>For Aluminum Clad Exterior, Add</i>	46.30	
08 52 11 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	536.96	
			<i>For Low-E Insulated Glass, Add</i>	45.41	
			<i>For Aluminum Clad Exterior, Add</i>	48.66	
08 52 11 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	547.67	
			<i>For Low-E Insulated Glass, Add</i>	46.41	
			<i>For Aluminum Clad Exterior, Add</i>	49.73	
08 52 11 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	559.83	
			<i>For Low-E Insulated Glass, Add</i>	47.61	
			<i>For Aluminum Clad Exterior, Add</i>	51.01	
08 52 11 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	571.98	
			<i>For Low-E Insulated Glass, Add</i>	48.81	
			<i>For Aluminum Clad Exterior, Add</i>	52.30	
08 52 11 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	584.12	
			<i>For Low-E Insulated Glass, Add</i>	50.01	
			<i>For Aluminum Clad Exterior, Add</i>	53.58	
08 52 11 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	606.99	
			<i>For Low-E Insulated Glass, Add</i>	52.21	
			<i>For Aluminum Clad Exterior, Add</i>	55.94	
08 52 11 00-0081	EA		44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	629.85	
			<i>For Low-E Insulated Glass, Add</i>	54.41	
			<i>For Aluminum Clad Exterior, Add</i>	58.30	
08 52 11 00-0082			58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0083	EA		20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	512.31	
			<i>For Low-E Insulated Glass, Add</i>	43.21	
			<i>For Aluminum Clad Exterior, Add</i>	46.30	
08 52 11 00-0084	EA		24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	535.18	
			<i>For Low-E Insulated Glass, Add</i>	45.41	
			<i>For Aluminum Clad Exterior, Add</i>	48.66	
08 52 11 00-0085	EA		28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	558.04	
			<i>For Low-E Insulated Glass, Add</i>	47.61	
			<i>For Aluminum Clad Exterior, Add</i>	51.01	
08 52 11 00-0086	EA		30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	570.19	
			<i>For Low-E Insulated Glass, Add</i>	48.81	
			<i>For Aluminum Clad Exterior, Add</i>	52.30	
08 52 11 00-0087	EA		32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	582.33	
			<i>For Low-E Insulated Glass, Add</i>	50.01	
			<i>For Aluminum Clad Exterior, Add</i>	53.58	
08 52 11 00-0088	EA		34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	593.06	
			<i>For Low-E Insulated Glass, Add</i>	51.01	
			<i>For Aluminum Clad Exterior, Add</i>	54.66	
08 52 11 00-0089	EA		36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	605.20	
			<i>For Low-E Insulated Glass, Add</i>	52.21	
			<i>For Aluminum Clad Exterior, Add</i>	55.94	
08 52 11 00-0090	EA		40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	628.06	
			<i>For Low-E Insulated Glass, Add</i>	54.41	
			<i>For Aluminum Clad Exterior, Add</i>	58.30	
08 52 11 00-0091	EA		44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	649.50	
			<i>For Low-E Insulated Glass, Add</i>	56.41	
			<i>For Aluminum Clad Exterior, Add</i>	60.44	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0093	EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	521.24
	For Low-E Insulated Glass, Add	44.21
	For Aluminum Clad Exterior, Add	47.37
08 52 11 00-0094	EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	544.10
	For Low-E Insulated Glass, Add	46.41
	For Aluminum Clad Exterior, Add	49.73
08 52 11 00-0095	EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	568.41
	For Low-E Insulated Glass, Add	48.81
	For Aluminum Clad Exterior, Add	52.30
08 52 11 00-0096	EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	580.55
	For Low-E Insulated Glass, Add	50.01
	For Aluminum Clad Exterior, Add	53.58
08 52 11 00-0097	EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	591.27
	For Low-E Insulated Glass, Add	51.01
	For Aluminum Clad Exterior, Add	54.66
08 52 11 00-0098	EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	603.41
	For Low-E Insulated Glass, Add	52.21
	For Aluminum Clad Exterior, Add	55.94
08 52 11 00-0099	EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	614.13
	For Low-E Insulated Glass, Add	53.21
	For Aluminum Clad Exterior, Add	57.01
08 52 11 00-0100	EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	636.99
	For Low-E Insulated Glass, Add	55.41
	For Aluminum Clad Exterior, Add	59.37
08 52 11 00-0101	EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	659.85
	For Low-E Insulated Glass, Add	57.61
	For Aluminum Clad Exterior, Add	61.73

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0103	EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	536.96
	For Low-E Insulated Glass, Add	45.41
	For Aluminum Clad Exterior, Add	48.66
08 52 11 00-0104	EA 24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	559.83
	For Low-E Insulated Glass, Add	47.61
	For Aluminum Clad Exterior, Add	51.01
08 52 11 00-0105	EA 28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	584.12
	For Low-E Insulated Glass, Add	50.01
	For Aluminum Clad Exterior, Add	53.58
08 52 11 00-0106	EA 30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	594.84
	For Low-E Insulated Glass, Add	51.01
	For Aluminum Clad Exterior, Add	54.66
08 52 11 00-0107	EA 32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	606.99
	For Low-E Insulated Glass, Add	52.21
	For Aluminum Clad Exterior, Add	55.94
08 52 11 00-0108	EA 34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	617.70
	For Low-E Insulated Glass, Add	53.21
	For Aluminum Clad Exterior, Add	57.01
08 52 11 00-0109	EA 36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	629.85
	For Low-E Insulated Glass, Add	54.41
	For Aluminum Clad Exterior, Add	58.30
08 52 11 00-0110	EA 40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	651.28
	For Low-E Insulated Glass, Add	56.41
	For Aluminum Clad Exterior, Add	60.44
08 52 11 00-0111	EA 44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	674.15
	For Low-E Insulated Glass, Add	58.62
	For Aluminum Clad Exterior, Add	62.80

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0113	EA 20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	559.83
	For Low-E Insulated Glass, Add	47.61
	For Aluminum Clad Exterior, Add	51.01
08 52 11 00-0114	EA 24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	584.12
	For Low-E Insulated Glass, Add	50.01
	For Aluminum Clad Exterior, Add	53.58
08 52 11 00-0115	EA 28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	606.99
	For Low-E Insulated Glass, Add	52.21
	For Aluminum Clad Exterior, Add	55.94
08 52 11 00-0116	EA 30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	617.70
	For Low-E Insulated Glass, Add	53.21
	For Aluminum Clad Exterior, Add	57.01
08 52 11 00-0117	EA 32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	629.85
	For Low-E Insulated Glass, Add	54.41
	For Aluminum Clad Exterior, Add	58.30
08 52 11 00-0118	EA 34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	640.56
	For Low-E Insulated Glass, Add	55.41
	For Aluminum Clad Exterior, Add	59.37

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	651.28	
		<i>For Low-E Insulated Glass, Add</i>	56.41	
		<i>For Aluminum Clad Exterior, Add</i>	60.44	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	674.15	
		<i>For Low-E Insulated Glass, Add</i>	58.62	
		<i>For Aluminum Clad Exterior, Add</i>	62.80	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	697.00	
		<i>For Low-E Insulated Glass, Add</i>	60.81	
		<i>For Aluminum Clad Exterior, Add</i>	65.16	
08 52 11 00-0122		70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	582.33	
		<i>For Low-E Insulated Glass, Add</i>	50.01	
		<i>For Aluminum Clad Exterior, Add</i>	53.58	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	605.20	
		<i>For Low-E Insulated Glass, Add</i>	52.21	
		<i>For Aluminum Clad Exterior, Add</i>	55.94	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	628.06	
		<i>For Low-E Insulated Glass, Add</i>	54.41	
		<i>For Aluminum Clad Exterior, Add</i>	58.30	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	638.78	
		<i>For Low-E Insulated Glass, Add</i>	55.41	
		<i>For Aluminum Clad Exterior, Add</i>	59.37	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	649.50	
		<i>For Low-E Insulated Glass, Add</i>	56.41	
		<i>For Aluminum Clad Exterior, Add</i>	60.44	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	665.88	
		<i>For Low-E Insulated Glass, Add</i>	58.21	
		<i>For Aluminum Clad Exterior, Add</i>	62.37	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	673.85	
		<i>For Low-E Insulated Glass, Add</i>	58.82	
		<i>For Aluminum Clad Exterior, Add</i>	63.03	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	695.22	
		<i>For Low-E Insulated Glass, Add</i>	60.81	
		<i>For Aluminum Clad Exterior, Add</i>	65.16	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	719.52	
		<i>For Low-E Insulated Glass, Add</i>	63.22	
		<i>For Aluminum Clad Exterior, Add</i>	67.73	
08 52 11 00-0132		74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	606.99	
		<i>For Low-E Insulated Glass, Add</i>	52.21	
		<i>For Aluminum Clad Exterior, Add</i>	55.94	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	629.85	
		<i>For Low-E Insulated Glass, Add</i>	54.41	
		<i>For Aluminum Clad Exterior, Add</i>	58.30	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	651.28	
		<i>For Low-E Insulated Glass, Add</i>	56.41	
		<i>For Aluminum Clad Exterior, Add</i>	60.44	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	663.43	
		<i>For Low-E Insulated Glass, Add</i>	57.61	
		<i>For Aluminum Clad Exterior, Add</i>	61.73	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	674.15	
		<i>For Low-E Insulated Glass, Add</i>	58.62	
		<i>For Aluminum Clad Exterior, Add</i>	62.80	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	686.29	
		<i>For Low-E Insulated Glass, Add</i>	59.82	
		<i>For Aluminum Clad Exterior, Add</i>	64.09	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	697.00	
		<i>For Low-E Insulated Glass, Add</i>	60.81	
		<i>For Aluminum Clad Exterior, Add</i>	65.16	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	721.31	
		<i>For Low-E Insulated Glass, Add</i>	63.22	
		<i>For Aluminum Clad Exterior, Add</i>	67.73	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	744.17	
		<i>For Low-E Insulated Glass, Add</i>	65.42	
		<i>For Aluminum Clad Exterior, Add</i>	70.09	
08 52 11 00-0142		78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	636.99	
		<i>For Low-E Insulated Glass, Add</i>	54.41	
		<i>For Aluminum Clad Exterior, Add</i>	58.30	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	658.43	
		<i>For Low-E Insulated Glass, Add</i>	56.41	
		<i>For Aluminum Clad Exterior, Add</i>	60.44	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	681.29	
		<i>For Low-E Insulated Glass, Add</i>	58.62	
		<i>For Aluminum Clad Exterior, Add</i>	62.80	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0146 EA 30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	693.45 59.82 64.09	
08 52 11 00-0147 EA 32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	704.16 60.81 65.16	
08 52 11 00-0148 EA 34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	716.31 62.02 66.45	
08 52 11 00-0149 EA 36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	728.45 63.22 67.73	
08 52 11 00-0150 EA 40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	751.32 65.42 70.09	
08 52 11 00-0151 EA 44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	774.18 67.62 72.45	
08 52 11 00-0152 Commercial And Institutional Heavy Double Hung Windows <small>(08 52 11)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153 SF Up To 21 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	233.91 17.17	15.95
08 52 11 00-0154 SF 21 To 40 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	216.33 15.37	17.74
08 52 11 00-0155 SF 40 SF And Over Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	199.05 13.53	19.91
08 52 11 00-0156 Architectural And Historic Reproduction Wood Windows <small>(08 52 11)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157 SF Up To 21 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	255.21 18.98	15.95
08 52 11 00-0158 SF 21 To 40 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	227.83 16.35	17.73
08 52 11 00-0159 SF 40 SF And Over Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	205.79 14.10	19.90
08 52 11 00-0160 Removal And Reinstallation Of Wood Window And Frame <small>(08 52 11)</small> Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161 SF Removal And Reinstallation Of Wood Windows And Frames.....	31.32	
08 52 13 Metal-Clad Wood Windows <small>(08 52)</small>		
08 52 13 00-0001 Double Hung Metal Clad Windows <small>(08 52 13)</small>		
08 52 13 00-0002 Double Hung Metal Clad Windows <small>(08 52 13 00-0001)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0003 36-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0004 EA 21-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	709.60 118.70	58.70
08 52 13 00-0005 EA 25-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	753.48 126.45	60.62
08 52 13 00-0006 EA 29-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	799.76 134.69	63.17
08 52 13 00-0007 EA 31-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	824.12 139.05	65.08
08 52 13 00-0008 EA 33-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	846.06 142.92	66.36
08 52 13 00-0009 EA 35-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	867.99 146.80	67.63
08 52 13 00-0010 EA 37-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	892.34 151.16	68.27
08 52 13 00-0011 EA 41-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	936.21 158.91	70.82
08 52 13 00-0012 EA 45-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	982.48 167.15	73.37
08 52 13 00-0013 40-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0014 EA 21-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	753.48 126.45	61.25
08 52 13 00-0015 EA 25-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen "Builders-Clad") <i>For Tempered Low-E Insulated Glass, Add</i>	799.76 134.69	63.17

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0016	EA		29-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	846.06 142.92	65.71
08 52 13 00-0017	EA		31-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	867.99 146.80	67.63
08 52 13 00-0018	EA		33-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	892.34 151.16	68.91
08 52 13 00-0019	EA		35-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	914.28 155.04	70.18
08 52 13 00-0020	EA		37-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	936.21 158.91	70.82
08 52 13 00-0021	EA		41-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	982.48 167.15	73.37
08 52 13 00-0022	EA		45-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,028.76 175.38	75.93
08 52 13 00-0023			44-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0024	EA		21-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	799.76 134.69	63.81
08 52 13 00-0025	EA		25-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	846.06 142.92	65.71
08 52 13 00-0026	EA		29-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	892.34 151.16	68.27
08 52 13 00-0027	EA		31-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	914.28 155.04	70.18
08 52 13 00-0028	EA		33-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	936.21 158.91	71.46
08 52 13 00-0029	EA		35-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	960.54 163.27	72.74
08 52 13 00-0030	EA		37-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	982.48 167.15	73.37
08 52 13 00-0031	EA		41-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,028.76 175.38	75.93
08 52 13 00-0032	EA		45-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.06 183.62	78.48
08 52 13 00-0033			48-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0034	EA		21-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	846.06 142.92	66.36
08 52 13 00-0035	EA		25-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	892.34 151.16	68.27
08 52 13 00-0036	EA		29-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	936.21 158.91	70.82
08 52 13 00-0037	EA		31-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	960.54 163.27	72.74
08 52 13 00-0038	EA		33-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	982.48 167.15	74.01
08 52 13 00-0039	EA		35-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.41 171.02	75.29
08 52 13 00-0040	EA		37-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,028.76 175.38	75.93
08 52 13 00-0041	EA		41-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.06 183.62	78.48
08 52 13 00-0042	EA		45-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,118.92 191.37	81.03
08 52 13 00-0043			52-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0044	EA		21-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	892.34 151.16	68.91
08 52 13 00-0045	EA		25-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	936.21 158.91	70.82
08 52 13 00-0046	EA		29-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	982.48 167.15	73.37
08 52 13 00-0047	EA		31-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.41 171.02	75.29
08 52 13 00-0048	EA		33-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,028.76 175.38	76.56
08 52 13 00-0049	EA		35-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,050.70 179.26	77.84
08 52 13 00-0050	EA		37-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.06 183.62	78.48
08 52 13 00-0051	EA		41-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,118.92 191.37	81.03
08 52 13 00-0052	EA		45-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.22 199.61	83.59
08 52 13 00-0053			56-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0054	EA		21-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	936.21 158.91	71.46



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0055 EA 25-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	982.48 167.15	73.37
08 52 13 00-0056 EA 29-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,028.76 175.38	75.93
08 52 13 00-0057 EA 31-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,050.70 179.26	77.84
08 52 13 00-0058 EA 33-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.06 183.62	79.12
08 52 13 00-0059 EA 35-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,096.99 187.50	80.40
08 52 13 00-0060 EA 37-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,118.92 191.37	81.03
08 52 13 00-0061 EA 41-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.22 199.61	83.59
08 52 13 00-0062 EA 45-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,211.48 207.84	86.14
08 52 13 00-0063 60-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0064 EA 21-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	982.48 167.15	74.01
08 52 13 00-0065 EA 25-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,028.76 175.38	75.93
08 52 13 00-0066 EA 29-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.06 183.62	78.48
08 52 13 00-0067 EA 31-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,096.99 187.50	80.40
08 52 13 00-0068 EA 33-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,118.92 191.37	81.67
08 52 13 00-0069 EA 35-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,143.28 195.73	82.95
08 52 13 00-0070 EA 37-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.22 199.61	83.59
08 52 13 00-0071 EA 41-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,211.48 207.84	86.14
08 52 13 00-0072 EA 45-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,255.34 215.59	88.69
08 52 13 00-0073 64-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0074 EA 21-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,028.76 175.38	76.56
08 52 13 00-0075 EA 25-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.06 183.62	78.48
08 52 13 00-0076 EA 29-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,118.92 191.37	81.03
08 52 13 00-0077 EA 31-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,143.28 195.73	82.95
08 52 13 00-0078 EA 33-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.22 199.61	84.22
08 52 13 00-0079 EA 35-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,187.15 203.49	85.49
08 52 13 00-0080 EA 37-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,211.48 207.84	86.14
08 52 13 00-0081 EA 41-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,255.34 215.59	88.69
08 52 13 00-0082 EA 45-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,301.64 223.83	91.24
08 52 13 00-0083 68-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		
08 52 13 00-0084 EA 21-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.06 183.62	79.12
08 52 13 00-0085 EA 25-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,118.92 191.37	81.03
08 52 13 00-0086 EA 29-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.22 199.61	83.59
08 52 13 00-0087 EA 31-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,187.15 203.49	85.49
08 52 13 00-0088 EA 33-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,211.48 207.84	86.77
08 52 13 00-0089 EA 35-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,233.41 211.72	88.05
08 52 13 00-0090 EA 37-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,255.34 215.59	88.69
08 52 13 00-0091 EA 41-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,301.64 223.83	91.24
08 52 13 00-0092 EA 45-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,347.93 232.07	93.79
08 52 13 00-0093 72-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>		

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 13 00-0094	EA	21-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,118.92	81.67	
			191.37		
08 52 13 00-0095	EA	25-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.22	83.59	
			199.61		
08 52 13 00-0096	EA	29-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,211.48	86.14	
			207.84		
08 52 13 00-0097	EA	31-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,233.41	88.05	
			211.72		
08 52 13 00-0098	EA	33-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,255.34	89.33	
			215.59		
08 52 13 00-0099	EA	35-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,279.70	90.60	
			219.95		
08 52 13 00-0100	EA	37-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,301.64	91.24	
			223.83		
08 52 13 00-0101	EA	41-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,347.93	93.79	
			232.07		
08 52 13 00-0102	EA	45-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,394.22	96.34	
			240.31		
08 52 13 00-0103		76-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>			
08 52 13 00-0104	EA	21-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.22	84.22	
			199.61		
08 52 13 00-0105	EA	25-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,211.48	86.14	
			207.84		
08 52 13 00-0106	EA	29-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,255.34	88.69	
			215.59		
08 52 13 00-0107	EA	31-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,279.70	90.60	
			219.95		
08 52 13 00-0108	EA	33-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,301.64	91.88	
			223.83		
08 52 13 00-0109	EA	35-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,325.99	93.15	
			228.19		
08 52 13 00-0110	EA	37-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,347.93	93.79	
			232.07		
08 52 13 00-0111	EA	41-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,394.22	96.34	
			240.31		
08 52 13 00-0112	EA	45-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,438.09	98.89	
			248.06		
08 52 13 00-0113		84-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>			
08 52 13 00-0114	EA	21-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,831.89	89.33	
			330.90		
08 52 13 00-0115	EA	25-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,897.57	91.24	
			343.02		
08 52 13 00-0116	EA	29-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,963.22	93.79	
			355.13		
08 52 13 00-0117	EA	31-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,994.84	95.70	
			360.94		
08 52 13 00-0118	EA	33-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,028.89	96.99	
			367.24		
08 52 13 00-0119	EA	35-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,060.51	98.26	
			373.05		
08 52 13 00-0120	EA	37-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,092.14	98.89	
			378.87		
08 52 13 00-0121	EA	41-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,157.80	101.45	
			390.98		
08 52 13 00-0122	EA	45-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,223.45	104.00	
			403.09		
08 52 13 00-0123		88-7/8" Height, Double Hung Metal Clad Windows <small>(08 52 13 00-0002)</small>			
08 52 13 00-0124	EA	21-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,897.57	91.88	
			343.02		
08 52 13 00-0125	EA	25-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,963.22	93.79	
			355.13		
08 52 13 00-0126	EA	29-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,028.89	96.34	
			367.24		
08 52 13 00-0127	EA	31-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,060.51	98.26	
			373.05		
08 52 13 00-0128	EA	33-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,092.14	99.53	
			378.87		
08 52 13 00-0129	EA	35-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,126.17	100.81	
			385.17		
08 52 13 00-0130	EA	37-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,157.80	101.45	
			390.98		
08 52 13 00-0131	EA	41-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,223.45	104.00	
			403.09		
08 52 13 00-0132	EA	45-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,289.13	106.55	
			415.20		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0133 Casement Metal Clad Windows <small>(08 52 13)</small>		
08 52 13 00-0134 Casement Metal Clad Windows <small>(08 52 13 00-0133)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0135 One Operating Sash, Casement Metal Clad Windows <small>(08 52 13 00-0134)</small>		
08 52 13 00-0136 24-1/8" Height, One Operating Sash, Casement Metal Clad Windows <small>(08 52 13 00-0135)</small>		
08 52 13 00-0137 EA 17" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	454.05 71.67	48.49
08 52 13 00-0138 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	480.12 76.12	49.77
08 52 13 00-0139 EA 24-1/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	509.29 80.93	52.32
08 52 13 00-0140 EA 28-3/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	536.24 85.30	54.88
08 52 13 00-0141 28-3/8" Height, One Operating Sash, Casement Metal Clad Windows <small>(08 52 13 00-0135)</small>		
08 52 13 00-0142 EA 17" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	486.94 77.23	51.04
08 52 13 00-0143 EA 20-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	513.01 81.67	52.32
08 52 13 00-0144 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	542.20 86.49	54.88
08 52 13 00-0145 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	556.81 88.39	57.42
08 52 13 00-0146 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	590.49 94.36	59.97
08 52 13 00-0147 35-15/16" Height, One Operating Sash, Casement Metal Clad Windows <small>(08 52 13 00-0135)</small>		
08 52 13 00-0148 EA 17" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	545.89 87.23	54.88
08 52 13 00-0149 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	573.81 92.05	57.42
08 52 13 00-0150 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	603.00 96.87	59.34
08 52 13 00-0151 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	648.88 105.02	61.89
08 52 13 00-0152 EA 31-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	692.46 112.97	63.81
08 52 13 00-0153 EA 35-15/16" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	734.90 120.95	65.08
08 52 13 00-0154 40-13/16" Height, One Operating Sash, Casement Metal Clad Windows <small>(08 52 13 00-0135)</small>		
08 52 13 00-0155 EA 17" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	585.63 93.90	58.70
08 52 13 00-0156 EA 20-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	611.68 98.35	59.97
08 52 13 00-0157 EA 24-1/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	640.88 103.16	62.53
08 52 13 00-0158 EA 28-3/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	707.12 115.39	65.08
08 52 13 00-0159 EA 31-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	752.78 123.76	67.63
08 52 13 00-0160 EA 35-15/16" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	795.73 131.33	70.18
08 52 13 00-0161 48" Height, One Operating Sash, Casement Metal Clad Windows <small>(08 52 13 00-0135)</small>		
08 52 13 00-0162 EA 17" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	642.15 103.16	63.81
08 52 13 00-0163 EA 20-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	670.07 107.98	65.08
08 52 13 00-0164 EA 24-1/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	699.26 112.80	67.63
08 52 13 00-0165 EA 28-3/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	790.50 130.03	70.18
08 52 13 00-0166 EA 31-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	826.30 136.42	72.74
08 52 13 00-0167 EA 35-15/16" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	880.02 146.14	75.29
08 52 13 00-0168 52-13/16" Height, One Operating Sash, Casement Metal Clad Windows <small>(08 52 13 00-0135)</small>		
08 52 13 00-0169 EA 17" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	680.60 109.83	66.36

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0170	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	706.66	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.28	
08 52 13 00-0171	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	735.86	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.10	
08 52 13 00-0172	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	848.41	72.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.59	
08 52 13 00-0173	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	901.78	75.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.50	
08 52 13 00-0174	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	937.02	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.52	
08 52 13 00-0175			59-7/8" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0176	EA		17" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	735.86	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.10	
08 52 13 00-0177	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	763.77	72.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.92	
08 52 13 00-0178	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	792.94	74.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.73	
08 52 13 00-0179	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	931.46	77.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	155.41	
08 52 13 00-0180	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	969.34	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.22	
08 52 13 00-0181	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,020.04	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.34	
08 52 13 00-0182			64-13/16" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0183	EA		17" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	775.58	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.77	
08 52 13 00-0184	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	801.65	75.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.21	
08 52 13 00-0185	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	830.85	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.03	
08 52 13 00-0186	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	989.70	80.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.78	
08 52 13 00-0187	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,024.97	82.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	172.07	
08 52 13 00-0188	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,078.31	85.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	181.72	
08 52 13 00-0189			71-7/8" Height, One Operating Sash, Casement Metal Clad Windows (08 52 13 00-0135)		
08 52 13 00-0190	EA		17" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	830.85	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.03	
08 52 13 00-0191	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	858.74	80.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.85	
08 52 13 00-0192	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	887.94	82.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.66	
08 52 13 00-0193	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,072.75	84.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.61	
08 52 13 00-0194	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,115.97	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	188.48	
08 52 13 00-0195	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,161.35	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.54	
08 52 13 00-0196			Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0134)		
08 52 13 00-0197			24-1/8" Height, Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0196)		
08 52 13 00-0198	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	811.23	62.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.23	
08 52 13 00-0199	EA		48" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	921.75	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	157.30	
08 52 13 00-0200	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,049.72	72.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.85	
08 52 13 00-0201			28-3/8" Height, Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0196)		
08 52 13 00-0202	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	875.12	65.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	148.99	
08 52 13 00-0203	EA		48" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	985.65	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.06	
08 52 13 00-0204	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,113.62	75.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	192.61	
08 52 13 00-0205			35-15/16" Height, Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0196)		
08 52 13 00-0206	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	867.23	65.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.41	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0207	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	979.93 168.17	70.18
08 52 13 00-0208	EA		48" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,097.58 189.66	75.29
08 52 13 00-0209	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,233.77 214.85	79.75
08 52 13 00-0210	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,325.02 231.57	83.59
08 52 13 00-0211	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,477.08 259.69	89.33
08 52 13 00-0212			40-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows <small>(08 52 13 00-0196)</small>		
08 52 13 00-0213	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	945.87 161.87	68.27
08 52 13 00-0214	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,058.54 182.61	72.74
08 52 13 00-0215	EA		48" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,176.21 204.10	77.84
08 52 13 00-0216	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,312.41 229.30	82.95
08 52 13 00-0217	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,413.49 247.99	86.77
08 52 13 00-0218	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,839.18 330.83	92.52
08 52 13 00-0219			48" Height, Two Operating Sashes, Casement Metal Clad Windows <small>(08 52 13 00-0196)</small>		
08 52 13 00-0220	EA		33-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,061.69 182.99	73.37
08 52 13 00-0221	EA		40-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,176.21 204.10	77.84
08 52 13 00-0222	EA		48" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,293.88 225.60	82.95
08 52 13 00-0223	EA		56-1/2" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,430.07 250.79	88.05
08 52 13 00-0224	EA		62-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,526.89 268.63	91.88
08 52 13 00-0225	EA		71-5/8" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,673.37 295.63	97.62
08 52 13 00-0226			52-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows <small>(08 52 13 00-0196)</small>		
08 52 13 00-0227	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,139.03 197.44	75.93
08 52 13 00-0228	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,251.72 218.19	80.40
08 52 13 00-0229	EA		48" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,355.64 236.93	85.49
08 52 13 00-0230	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,505.58 264.87	90.60
08 52 13 00-0231	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,607.02 283.63	94.43
08 52 13 00-0232	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,750.73 310.08	100.18
08 52 13 00-0233			59-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows <small>(08 52 13 00-0196)</small>		
08 52 13 00-0234	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,253.56 218.56	80.40
08 52 13 00-0235	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,366.24 239.30	85.49
08 52 13 00-0236	EA		48" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,483.92 260.80	90.60
08 52 13 00-0237	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,620.11 285.99	95.07
08 52 13 00-0238	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,721.56 304.75	98.89
08 52 13 00-0239	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,863.43 330.83	104.64
08 52 13 00-0240			64-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows <small>(08 52 13 00-0196)</small>		
08 52 13 00-0241	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,332.19 233.00	83.59
08 52 13 00-0242	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,444.88 253.76	88.05
08 52 13 00-0243	EA		48" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,564.38 275.62	93.15

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 13 00-0244	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,700.60 300.82	98.26
08 52 13 00-0245		71-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0196)		
08 52 13 00-0246	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,446.73 254.13	88.05
08 52 13 00-0247	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,559.42 274.88	93.15
08 52 13 00-0248	EA	48" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,677.08 296.37	98.26
08 52 13 00-0249	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,813.27 321.56	102.73
08 52 13 00-0250		One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0134)		
08 52 13 00-0251		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0252	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,285.34 224.14	82.30
08 52 13 00-0253	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,494.80 262.72	90.60
08 52 13 00-0254		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0255	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,363.84 238.82	84.86
08 52 13 00-0256	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,559.54 274.65	93.15
08 52 13 00-0257		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0258	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,312.78 229.38	82.95
08 52 13 00-0259	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,480.77 260.42	89.33
08 52 13 00-0260	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,688.20 298.59	98.26
08 52 13 00-0261		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0262	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,387.64 243.07	86.77
08 52 13 00-0263	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,561.27 275.25	92.52
08 52 13 00-0264	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,766.82 313.04	100.81
08 52 13 00-0265		48" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0266	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,677.08 296.37	97.62
08 52 13 00-0267	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,882.64 334.16	105.92
08 52 13 00-0268		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0269	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,754.44 310.82	100.18



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0270	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,960.00 348.61	108.47
08 52 13 00-0271			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows (08 52 13 00-0250)		
08 52 13 00-0272	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,867.12 331.57	104.64
08 52 13 00-0273	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	2,074.55 369.74	113.57
08 52 13 00-0274			Awning Metal Clad Windows (08 52 13)		
08 52 13 00-0275			Awning Metal Clad Windows (08 52 13 00-0274) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0276			Venting, Awning Metal Clad Windows (08 52 13 00-0275)		
08 52 13 00-0277			17" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0278	EA		24-1/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	491.64 77.40	52.32
08 52 13 00-0279	EA		28-3/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	526.37 83.33	54.88
08 52 13 00-0280	EA		31-1/2" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	554.84 88.25	56.78
08 52 13 00-0281	EA		35-15/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	590.88 94.44	59.34
08 52 13 00-0282	EA		40-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	632.48 101.48	62.53
08 52 13 00-0283	EA		48" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	696.40 112.23	67.63
08 52 13 00-0284	EA		52-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	736.71 119.27	70.18
08 52 13 00-0285	EA		59-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	795.67 129.27	75.29
08 52 13 00-0286	EA		64-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	817.91 132.44	77.84
08 52 13 00-0287	EA		71-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	876.24 142.32	82.30
08 52 13 00-0288			20-1/2" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0289	EA		24-1/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	518.62 82.03	54.88
08 52 13 00-0290	EA		28-3/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	556.16 88.52	57.42
08 52 13 00-0291	EA		31-1/2" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	580.66 92.65	58.70
08 52 13 00-0292	EA		35-15/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	620.66 99.63	61.25
08 52 13 00-0293	EA		40-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	662.24 106.67	65.08
08 52 13 00-0294	EA		48" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	724.32 117.04	69.55
08 52 13 00-0295	EA		52-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	764.62 124.09	72.74
08 52 13 00-0296	EA		59-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	825.43 134.46	76.56
08 52 13 00-0297	EA		64-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	845.52 137.20	80.40
08 52 13 00-0298	EA		71-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	905.67 147.45	84.22
08 52 13 00-0299	EA		84-5/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,392.76 241.55	93.15
08 52 13 00-0300			24-1/8" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0301	EA		24-1/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	552.44 87.77	57.42
08 52 13 00-0302	EA		28-3/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	587.19 93.70	59.97
08 52 13 00-0303	EA		31-1/2" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	727.97 121.09	61.25
08 52 13 00-0304	EA		35-15/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	777.69 130.02	63.81
08 52 13 00-0305	EA		40-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	693.28 111.86	67.63
08 52 13 00-0306	EA		48" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	757.22 122.61	72.10

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0307	EA		52-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	797.51 129.64	75.29
08 52 13 00-0308	EA		59-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	858.33 140.02	79.12
08 52 13 00-0309	EA		64-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	876.24 142.32	82.95
08 52 13 00-0310	EA		71-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	934.47 152.18	86.77
08 52 13 00-0311	EA		84-5/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,465.43 255.06	95.70
08 52 13 00-0312			28-3/8" Height, Venting, Awning Metal Clad Windows <small>(08 52 13 00-0276)</small>		
08 52 13 00-0313	EA		24-1/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	551.98 86.66	59.97
08 52 13 00-0314	EA		28-3/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	720.59 119.36	62.53
08 52 13 00-0315	EA		31-1/2" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	762.53 126.98	63.81
08 52 13 00-0316	EA		35-15/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	703.12 114.08	66.36
08 52 13 00-0317	EA		40-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	766.94 125.57	70.18
08 52 13 00-0318	EA		48" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	860.50 142.24	74.65
08 52 13 00-0319	EA		52-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	921.19 153.36	77.84
08 52 13 00-0320	EA		59-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,013.51 170.03	81.67
08 52 13 00-0321	EA		64-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,047.79 175.61	85.49
08 52 13 00-0322	EA		71-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,137.19 191.71	89.33
08 52 13 00-0323	EA		84-5/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,505.23 262.00	98.26
08 52 13 00-0324			31-1/2" Height, Venting, Awning Metal Clad Windows <small>(08 52 13 00-0276)</small>		
08 52 13 00-0325	EA		28-3/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	639.58 102.39	63.81
08 52 13 00-0326	EA		31-1/2" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	676.40 108.99	65.71
08 52 13 00-0327	EA		35-15/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	727.07 118.11	68.27
08 52 13 00-0328	EA		40-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	783.73 128.16	71.46
08 52 13 00-0329	EA		48" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	866.22 142.62	76.56
08 52 13 00-0330	EA		52-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	923.17 152.99	79.12
08 52 13 00-0331	EA		59-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.37 167.44	84.22
08 52 13 00-0332	EA		64-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,061.05 177.50	86.77
08 52 13 00-0333	EA		71-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,143.82 192.27	91.24
08 52 13 00-0334	EA		84-5/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,604.61 281.11	99.53
08 52 13 00-0335			35-15/16" Height, Venting, Awning Metal Clad Windows <small>(08 52 13 00-0276)</small>		
08 52 13 00-0336	EA		31-1/2" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	727.07 118.11	68.27
08 52 13 00-0337	EA		35-15/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	799.14 131.50	70.82
08 52 13 00-0338	EA		40-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	862.95 142.98	74.01
08 52 13 00-0339	EA		48" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	956.51 159.66	79.12
08 52 13 00-0340	EA		52-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,019.05 171.14	81.67
08 52 13 00-0341	EA		59-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,109.50 187.45	86.77
08 52 13 00-0342	EA		64-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	970.75 158.42	89.33
08 52 13 00-0343	EA		71-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,041.87 170.86	93.79
08 52 13 00-0344			40-3/4" Height, Venting, Awning Metal Clad Windows <small>(08 52 13 00-0276)</small>		
08 52 13 00-0345	EA		35-15/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	845.45 140.76	74.01



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0346	EA		40-13/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	962.07 160.77	79.12
08 52 13 00-0347			48" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0348	EA		35-15/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,012.09 170.77	79.12
08 52 13 00-0349	EA		40-13/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,120.37 191.15	82.95
08 52 13 00-0350	EA		48" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,278.79 220.79	87.41
08 52 13 00-0351			59-13/16" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0352	EA		35-15/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,251.76 215.90	86.14
08 52 13 00-0353	EA		40-13/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,346.63 233.60	89.33
08 52 13 00-0354			71-7/8" Height, Venting, Awning Metal Clad Windows (08 52 13 00-0276)		
08 52 13 00-0355	EA		24-1/8" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,368.06 238.90	86.77
08 52 13 00-0356	EA		35-15/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,415.88 245.66	93.79
08 52 13 00-0357	EA		40-13/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,566.20 274.45	96.99
08 52 13 00-0358	EA		48" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,720.01 303.17	102.08
08 52 13 00-0359			Stationary, Awning Metal Clad Windows (08 52 13 00-0275)		
08 52 13 00-0360			17" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0361	EA		24-1/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	434.19 65.91	52.32
08 52 13 00-0362	EA		28-3/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	467.09 71.47	54.88
08 52 13 00-0363	EA		31-1/2" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	488.83 75.05	56.78
08 52 13 00-0364	EA		35-15/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	524.20 81.11	59.34
08 52 13 00-0365	EA		40-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	562.09 87.41	62.53
08 52 13 00-0366	EA		48" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	620.44 97.04	67.63
08 52 13 00-0367	EA		52-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	655.20 102.97	70.18
08 52 13 00-0368	EA		59-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	710.44 112.23	75.29
08 52 13 00-0369	EA		64-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	748.32 118.53	77.84
08 52 13 00-0370	EA		71-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	803.58 127.79	82.30
08 52 13 00-0371			20-1/2" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0372	EA		24-1/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	460.26 70.36	54.88
08 52 13 00-0373	EA		28-3/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	493.14 75.91	57.42
08 52 13 00-0374	EA		31-1/2" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	513.10 79.14	58.70
08 52 13 00-0375	EA		35-15/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	552.11 85.92	61.25
08 52 13 00-0376	EA		40-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	589.97 92.22	65.08
08 52 13 00-0377	EA		48" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	646.52 101.48	69.55
08 52 13 00-0378	EA		52-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	683.11 107.78	72.74
08 52 13 00-0379	EA		59-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	736.51 116.68	76.56
08 52 13 00-0380	EA		64-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	776.23 123.34	80.40
08 52 13 00-0381	EA		71-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	829.62 132.24	84.22
08 52 13 00-0382			24-1/8" Height, Stationary, Awning Metal Clad Windows (08 52 13 00-0359)		
08 52 13 00-0383	EA		24-1/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	489.45 75.18	57.42

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0384	EA		28-3/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	522.33	59.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.73	
08 52 13 00-0385	EA		31-1/2" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	540.20	61.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.54	
08 52 13 00-0386	EA		35-15/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	579.45	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.37	
08 52 13 00-0387	EA		40-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	617.32	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.67	
08 52 13 00-0388	EA		48" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	673.83	72.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.93	
08 52 13 00-0389	EA		52-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	710.44	75.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.23	
08 52 13 00-0390	EA		59-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	765.70	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.49	
08 52 13 00-0391	EA		64-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	803.58	82.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.79	
08 52 13 00-0392	EA		71-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	858.82	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.05	
08 52 13 00-0393			28-3/8" Height, Stationary, Awning Metal Clad Windows <small>(08 52 13 00-0359)</small>		
08 52 13 00-0394	EA		24-1/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	492.71	59.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.81	
08 52 13 00-0395	EA		28-3/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	536.72	62.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.59	
08 52 13 00-0396	EA		31-1/2" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	561.01	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.68	
08 52 13 00-0397	EA		35-15/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	584.55	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.37	
08 52 13 00-0398	EA		40-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	666.89	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.56	
08 52 13 00-0399	EA		48" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	741.93	74.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.53	
08 52 13 00-0400	EA		52-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	791.52	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.42	
08 52 13 00-0401	EA		59-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	865.29	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.39	
08 52 13 00-0402	EA		64-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	917.98	85.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	149.65	
08 52 13 00-0403	EA		71-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	991.77	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.62	
08 52 13 00-0404			31-1/2" Height, Stationary, Awning Metal Clad Windows <small>(08 52 13 00-0359)</small>		
08 52 13 00-0405	EA		28-3/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	561.01	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.68	
08 52 13 00-0406	EA		31-1/2" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	591.56	65.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.02	
08 52 13 00-0407	EA		35-15/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	632.79	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.25	
08 52 13 00-0408	EA		40-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	680.04	71.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.42	
08 52 13 00-0409	EA		48" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	748.37	76.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.05	
08 52 13 00-0410	EA		52-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	794.33	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.22	
08 52 13 00-0411	EA		59-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	861.39	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.84	
08 52 13 00-0412	EA		64-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	907.06	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.70	
08 52 13 00-0413	EA		71-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	974.14	91.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.33	
08 52 13 00-0414			35-15/16" Height, Stationary, Awning Metal Clad Windows <small>(08 52 13 00-0359)</small>		
08 52 13 00-0415	EA		31-1/2" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	632.79	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.25	
08 52 13 00-0416	EA		35-15/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	693.53	70.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	110.38	
08 52 13 00-0417	EA		40-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	744.37	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.27	
08 52 13 00-0418	EA		48" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	821.28	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	132.61	
08 52 13 00-0419	EA		52-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	870.85	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.50	
08 52 13 00-0420	EA		59-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	944.62	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.47	
08 52 13 00-0421	EA		64-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	995.46	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.36	
08 52 13 00-0422	EA		71-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,069.26	93.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	176.33	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0423 Horizontal Sliding Metal Clad Windows <small>(08 52 13)</small>		
08 52 13 00-0424 One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0423)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0425 17-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0424)</small>		
08 52 13 00-0426 EA 47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	609.59 95.12	67.63
08 52 13 00-0427 23-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0424)</small>		
08 52 13 00-0428 EA 35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	560.77 86.89	62.53
08 52 13 00-0429 EA 47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	656.11 102.89	71.46
08 52 13 00-0430 35-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0424)</small>		
08 52 13 00-0431 EA 35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	656.11 102.89	71.46
08 52 13 00-0432 EA 47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	751.46 118.90	79.12
08 52 13 00-0433 EA 59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	846.79 134.90	86.14
08 52 13 00-0434 EA 71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	942.15 150.91	93.79
08 52 13 00-0435 41-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0424)</small>		
08 52 13 00-0436 EA 35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	704.92 111.12	75.29
08 52 13 00-0437 EA 47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	797.97 126.67	82.95
08 52 13 00-0438 EA 59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	893.32 142.68	89.96
08 52 13 00-0439 EA 71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,068.69 174.69	97.62
08 52 13 00-0440 47-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0424)</small>		
08 52 13 00-0441 EA 35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	751.46 118.90	79.12
08 52 13 00-0442 EA 47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	846.79 134.90	86.77
08 52 13 00-0443 EA 59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	942.15 150.91	93.79
08 52 13 00-0444 EA 71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,037.46 166.91	101.45
08 52 13 00-0445 53-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0424)</small>		
08 52 13 00-0446 EA 47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	893.32 142.68	90.60
08 52 13 00-0447 EA 59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	988.65 158.68	97.62
08 52 13 00-0448 EA 71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,084.00 174.69	105.28
08 52 13 00-0449 59-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0424)</small>		
08 52 13 00-0450 EA 47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	942.15 150.91	94.43
08 52 13 00-0451 EA 59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,037.46 166.91	101.45
08 52 13 00-0452 EA 71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,132.99 182.96	109.11
08 52 13 00-0453 Two Operating Sashes, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0423)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 13 00-0454		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0453)</small>			
08 52 13 00-0455	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,363.09 247.35		62.53
08 52 13 00-0456	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,623.07 296.28		71.46
08 52 13 00-0457		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0453)</small>			
08 52 13 00-0458	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,643.66 300.40		71.46
08 52 13 00-0459	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,905.92 349.79		79.12
08 52 13 00-0460	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,165.87 398.72		86.14
08 52 13 00-0461	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,425.86 447.65		93.79
08 52 13 00-0462		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0453)</small>			
08 52 13 00-0463	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,774.77 325.09		75.29
08 52 13 00-0464	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,034.76 374.03		82.95
08 52 13 00-0465	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,297.02 423.42		89.96
08 52 13 00-0466	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,556.97 472.35		97.62
08 52 13 00-0467		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0453)</small>			
08 52 13 00-0468	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,905.92 349.79		79.12
08 52 13 00-0469	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,165.87 398.72		86.77
08 52 13 00-0470	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,425.86 447.65		93.79
08 52 13 00-0471	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,688.08 497.04		101.45
08 52 13 00-0472		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows <small>(08 52 13 00-0453)</small>			
08 52 13 00-0473	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,165.87 398.72		86.77
08 52 13 00-0474	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,425.86 447.65		94.43
08 52 13 00-0475	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,688.08 497.04		101.45
08 52 13 00-0476	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,948.07 545.97		109.11
08 52 13 00-0477		Picture Metal Clad Windows <small>(08 52 13)</small>			
08 52 13 00-0478		Picture Metal Clad Windows For Awning And Casement Windows <small>(08 52 13 00-0477)</small>			
08 52 13 00-0479		Picture Metal Clad Windows For Awning And Casement Windows <small>(08 52 13 00-0478)</small>			
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 13 00-0480		12" Height, Picture Metal Clad Windows For Awning And Casement Windows <small>(08 52 13 00-0479)</small>			
08 52 13 00-0481	EA	40-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	479.37 75.46		51.04
08 52 13 00-0482	EA	48" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	561.06 89.75		56.15
08 52 13 00-0483	EA	52-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	596.10 95.74		58.70
08 52 13 00-0484	EA	59-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	646.58 104.05		63.81
08 52 13 00-0485	EA	64-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	681.20 109.70		66.36
08 52 13 00-0486	EA	71-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	731.70 118.01		71.46



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 13 00-0487 35-15/16" Height, Picture Metal Clad Windows For Awning And Casement Windows <i>(08 52 13 00-0479)</i>		
08 52 13 00-0488 EA 35-15/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	532.11	62.53
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>81.41</i>	
08 52 13 00-0489 EA 40-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	615.40	66.36
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>96.79</i>	
08 52 13 00-0490 EA 48" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	738.16	70.82
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>119.30</i>	
08 52 13 00-0491 EA 52-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	818.29	73.37
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>134.31</i>	
08 52 13 00-0492 EA 59-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	937.91	77.84
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>156.44</i>	
08 52 13 00-0493 EA 64-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,021.18	81.03
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>171.82</i>	
08 52 13 00-0494 EA 71-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,515.97	85.49
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>268.99</i>	
08 52 13 00-0495 40-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows <i>(08 52 13 00-0479)</i>		
08 52 13 00-0496 EA 35-15/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	615.40	66.36
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>96.79</i>	
08 52 13 00-0497 EA 40-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	698.68	68.91
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>112.17</i>	
08 52 13 00-0498 EA 48" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	821.44	74.01
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>134.68</i>	
08 52 13 00-0499 EA 52-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	901.57	76.56
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>149.69</i>	
08 52 13 00-0500 EA 59-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,021.18	81.67
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>171.82</i>	
08 52 13 00-0501 EA 64-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,104.47	84.22
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>187.21</i>	
08 52 13 00-0502 EA 71-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,224.08	89.33
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>209.34</i>	
08 52 13 00-0503 48" Height, Picture Metal Clad Windows For Awning And Casement Windows <i>(08 52 13 00-0479)</i>		
08 52 13 00-0504 EA 35-15/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	738.16	71.46
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>119.30</i>	
08 52 13 00-0505 EA 40-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	821.44	74.01
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>134.68</i>	
08 52 13 00-0506 EA 48" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	944.19	79.12
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>157.19</i>	
08 52 13 00-0507 EA 52-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,024.33	81.67
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>172.20</i>	
08 52 13 00-0508 EA 59-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,143.94	86.77
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>194.33</i>	
08 52 13 00-0509 EA 64-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,227.23	89.33
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>209.72</i>	
08 52 13 00-0510 EA 71-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,346.85	94.43
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>231.85</i>	
08 52 13 00-0511 52-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows <i>(08 52 13 00-0479)</i>		
08 52 13 00-0512 EA 35-15/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	818.29	74.01
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>134.31</i>	
08 52 13 00-0513 EA 40-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	901.57	76.56
<i>For Tempered Low-E Insulated Glass, Add</i>	<i>149.69</i>	

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0514	EA		48" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,024.33 172.20	81.67
08 52 13 00-0515	EA		52-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,104.47 187.21	84.22
08 52 13 00-0516	EA		59-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,224.08 209.34	89.33
08 52 13 00-0517	EA		64-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,307.37 224.72	91.88
08 52 13 00-0518	EA		71-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,537.66 268.99	96.99
08 52 13 00-0519			59-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows <small>(08 52 13 00-0479)</small>		
08 52 13 00-0520	EA		35-15/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	937.91 156.44	77.84
08 52 13 00-0521	EA		40-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,021.18 171.82	81.67
08 52 13 00-0522	EA		48" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,143.94 194.33	86.14
08 52 13 00-0523	EA		52-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,224.08 209.34	88.69
08 52 13 00-0524	EA		59-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,343.69 231.48	93.15
08 52 13 00-0525	EA		64-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,426.98 246.86	96.34
08 52 13 00-0526	EA		71-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,546.59 268.99	100.81
08 52 13 00-0527			64-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows <small>(08 52 13 00-0479)</small>		
08 52 13 00-0528	EA		35-15/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,021.18 171.82	81.67
08 52 13 00-0529	EA		40-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,104.47 187.21	84.22
08 52 13 00-0530	EA		48" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,227.23 209.72	89.33
08 52 13 00-0531	EA		52-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,307.37 224.72	91.88
08 52 13 00-0532	EA		59-7/8" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,537.66 268.99	96.99
08 52 13 00-0533			71-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows <small>(08 52 13 00-0479)</small>		
08 52 13 00-0534	EA		35-15/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,140.80 193.96	85.49
08 52 13 00-0535	EA		40-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,224.08 209.34	89.33
08 52 13 00-0536	EA		48" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,346.85 231.85	93.79
08 52 13 00-0537	EA		52-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,426.98 246.86	96.34
08 52 13 00-0538	EA		59-7/8" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,546.59 268.99	100.81
08 52 13 00-0539			Picture Metal Clad Windows For Double Hung Windows <small>(08 52 13 00-0477)</small>		
08 52 13 00-0540			Picture Metal Clad Windows For Double Hung Windows <small>(08 52 13 00-0539)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0541 48-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52)</small>		
13 00-0540		
08 52 13 00-0542 EA 12" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	762.23	59.97
For Tempered Low-E Insulated Glass, Add	128.46	
08 52 13 00-0543 EA 37-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,064.99	76.56
For Tempered Low-E Insulated Glass, Add	182.63	
08 52 13 00-0544 EA 41-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,111.14	78.48
For Tempered Low-E Insulated Glass, Add	190.84	
08 52 13 00-0545 EA 47-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,180.36	82.30
For Tempered Low-E Insulated Glass, Add	203.15	
08 52 13 00-0546 EA 51-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,226.51	85.49
For Tempered Low-E Insulated Glass, Add	211.36	
08 52 13 00-0547 EA 59-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,320.84	89.96
For Tempered Low-E Insulated Glass, Add	228.18	
08 52 13 00-0548 EA 67-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,415.18	95.70
For Tempered Low-E Insulated Glass, Add	245.01	
08 52 13 00-0549 52-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52)</small>		
13 00-0540		
08 52 13 00-0550 EA 12" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	810.42	62.53
For Tempered Low-E Insulated Glass, Add	137.07	
08 52 13 00-0551 EA 37-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,111.14	79.12
For Tempered Low-E Insulated Glass, Add	190.84	
08 52 13 00-0552 EA 41-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,159.32	81.03
For Tempered Low-E Insulated Glass, Add	199.45	
08 52 13 00-0553 EA 47-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,226.51	84.86
For Tempered Low-E Insulated Glass, Add	211.36	
08 52 13 00-0554 EA 51-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,274.69	88.05
For Tempered Low-E Insulated Glass, Add	219.97	
08 52 13 00-0555 EA 59-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,369.02	92.52
For Tempered Low-E Insulated Glass, Add	236.80	
08 52 13 00-0556 EA 67-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,463.38	98.26
For Tempered Low-E Insulated Glass, Add	253.63	
08 52 13 00-0557 56-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52)</small>		
13 00-0540		
08 52 13 00-0558 EA 12" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	856.57	65.08
For Tempered Low-E Insulated Glass, Add	145.28	
08 52 13 00-0559 EA 37-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,159.32	81.67
For Tempered Low-E Insulated Glass, Add	199.45	
08 52 13 00-0560 EA 41-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,205.48	83.59
For Tempered Low-E Insulated Glass, Add	207.66	
08 52 13 00-0561 EA 47-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,274.69	87.41
For Tempered Low-E Insulated Glass, Add	219.97	
08 52 13 00-0562 EA 51-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,320.84	90.60
For Tempered Low-E Insulated Glass, Add	228.18	
08 52 13 00-0563 EA 59-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,415.18	95.07
For Tempered Low-E Insulated Glass, Add	245.01	
08 52 13 00-0564 EA 67-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,511.56	100.81
For Tempered Low-E Insulated Glass, Add	262.24	
08 52 13 00-0565 60-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52)</small>		
13 00-0540		
08 52 13 00-0566 EA 12" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	904.77	67.63
For Tempered Low-E Insulated Glass, Add	153.90	
08 52 13 00-0567 EA 37-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,205.48	84.22
For Tempered Low-E Insulated Glass, Add	207.66	
08 52 13 00-0568 EA 41-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,253.68	86.14
For Tempered Low-E Insulated Glass, Add	216.28	
08 52 13 00-0569 EA 47-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,320.84	89.96
For Tempered Low-E Insulated Glass, Add	228.18	
08 52 13 00-0570 EA 51-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,369.02	93.15
For Tempered Low-E Insulated Glass, Add	236.80	
08 52 13 00-0571 EA 59-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,463.38	97.62
For Tempered Low-E Insulated Glass, Add	253.63	
08 52 13 00-0572 EA 67-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,557.71	103.36
For Tempered Low-E Insulated Glass, Add	270.45	
08 52 13 00-0573 64-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52)</small>		
13 00-0540		
08 52 13 00-0574 EA 12" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	950.90	70.18
For Tempered Low-E Insulated Glass, Add	162.11	
08 52 13 00-0575 EA 37-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,253.68	86.77
For Tempered Low-E Insulated Glass, Add	216.28	
08 52 13 00-0576 EA 41-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,301.86	88.69
For Tempered Low-E Insulated Glass, Add	224.90	
08 52 13 00-0577 EA 47-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,369.02	92.52
For Tempered Low-E Insulated Glass, Add	236.80	
08 52 13 00-0578 EA 51-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad').....	1,415.18	95.70
For Tempered Low-E Insulated Glass, Add	245.01	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0579	EA		59-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,511.56 262.24	100.18
08 52 13 00-0580	EA		67-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,605.91 279.07	105.92
08 52 13 00-0581			68-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52 13 00-0540)</small>		
08 52 13 00-0582	EA		12" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	999.10 170.73	72.74
08 52 13 00-0583	EA		37-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,301.86 224.90	89.33
08 52 13 00-0584	EA		41-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,348.01 233.11	91.24
08 52 13 00-0585	EA		47-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,415.18 245.01	95.07
08 52 13 00-0586	EA		51-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,463.38 253.63	98.26
08 52 13 00-0587	EA		59-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,557.71 270.45	102.73
08 52 13 00-0588	EA		67-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,652.07 287.28	108.47
08 52 13 00-0589			72-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52 13 00-0540)</small>		
08 52 13 00-0590	EA		12" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,045.26 178.94	75.29
08 52 13 00-0591	EA		37-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,348.01 233.11	91.88
08 52 13 00-0592	EA		41-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,396.22 241.73	93.79
08 52 13 00-0593	EA		47-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,463.38 253.63	97.62
08 52 13 00-0594	EA		51-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,511.56 262.24	100.81
08 52 13 00-0595	EA		59-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,605.91 279.07	105.28
08 52 13 00-0596	EA		67-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,700.26 295.90	111.02
08 52 13 00-0597			76-7/8" Height, Picture Metal Clad Windows For Double Hung Windows <small>(08 52 13 00-0540)</small>		
08 52 13 00-0598	EA		12" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,093.45 187.55	77.84
08 52 13 00-0599	EA		37-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,396.22 241.73	94.43
08 52 13 00-0600	EA		41-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,442.35 249.93	96.34
08 52 13 00-0601	EA		47-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,511.56 262.24	100.18
08 52 13 00-0602	EA		51-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,557.71 270.45	103.36
08 52 13 00-0603	EA		59-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,652.07 287.28	107.82
08 52 13 00-0604	EA		67-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,746.40 304.11	113.57
08 52 13 00-0605			Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0477)</small>		
08 52 13 00-0606			Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0605)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0607			35-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0606)</small>		
08 52 13 00-0608	EA		56-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	682.76 104.65 104.65	79.75
08 52 13 00-0609	EA		59-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	700.96 107.52 107.52	81.67
08 52 13 00-0610			47-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0606)</small>		
08 52 13 00-0611	EA		47-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	700.96 107.52 107.52	81.67
08 52 13 00-0612	EA		71-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	850.59 131.33 131.33	96.99



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0613 53-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0606)</small>		
08 52 13 00-0614 EA 56-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	796.04	91.24
For Tempered Low-E Insulated Glass, Add	122.71	
For Tempered Clear Insulated Glass, Add	122.71	
08 52 13 00-0615 EA 59-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	814.21	93.15
For Tempered Low-E Insulated Glass, Add	125.58	
For Tempered Clear Insulated Glass, Add	125.58	
08 52 13 00-0616 56-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0606)</small>		
08 52 13 00-0617 EA 35-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	682.76	80.40
For Tempered Low-E Insulated Glass, Add	104.65	
For Tempered Clear Insulated Glass, Add	104.65	
08 52 13 00-0618 EA 53-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	796.04	91.24
For Tempered Low-E Insulated Glass, Add	122.71	
For Tempered Clear Insulated Glass, Add	122.71	
08 52 13 00-0619 59-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0606)</small>		
08 52 13 00-0620 EA 35-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	700.96	81.67
For Tempered Low-E Insulated Glass, Add	107.52	
For Tempered Clear Insulated Glass, Add	107.52	
08 52 13 00-0621 EA 53-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	814.21	93.15
For Tempered Low-E Insulated Glass, Add	125.58	
For Tempered Clear Insulated Glass, Add	125.58	
08 52 13 00-0622 EA 59-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	850.59	96.99
For Tempered Low-E Insulated Glass, Add	131.33	
For Tempered Clear Insulated Glass, Add	131.33	
08 52 13 00-0623 EA 65-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	889.03	100.81
For Tempered Low-E Insulated Glass, Add	137.48	
For Tempered Clear Insulated Glass, Add	137.48	
08 52 13 00-0624 65-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0606)</small>		
08 52 13 00-0625 EA 59-1/2" x 65-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	889.03	100.81
For Tempered Low-E Insulated Glass, Add	137.48	
For Tempered Clear Insulated Glass, Add	137.48	
08 52 13 00-0626 71-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows <small>(08 52 13 00-0606)</small>		
08 52 13 00-0627 EA 47-1/2" x 71-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad').....	850.59	96.99
For Tempered Low-E Insulated Glass, Add	131.33	
For Tempered Clear Insulated Glass, Add	131.33	
08 52 13 00-0628 Basement Metal Clad Windows <small>(08 52 13)</small>		
08 52 13 00-0629 Basement Metal Clad Windows <small>(08 52 13 00-0628)</small>		
Note: Includes painted or stained wood interior, metal clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 13 00-0630 EA 32-1/4" x 15-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	361.21	51.04
For Tempered Low-E Insulated Glass, Add	51.83	
08 52 13 00-0631 EA 32-1/4" x 19-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	380.69	51.04
For Tempered Low-E Insulated Glass, Add	55.72	
08 52 13 00-0632 EA 32-1/4" x 23-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	397.81	51.04
For Tempered Low-E Insulated Glass, Add	59.15	
08 52 13 00-0633 Accessories For Metal Clad Windows <small>(08 52 13)</small>		
08 52 13 00-0634 Insect Screens For Metal Clad Windows <small>(08 52 13 00-0633)</small>		
08 52 13 00-0635 EA Up To 6 SF, Insect Screen For Metal Clad Wood Windows	60.39	9.00
08 52 13 00-0636 EA >6 To 9 SF, Insect Screen For Metal Clad Wood Windows	72.50	9.00
08 52 13 00-0637 EA >9 To 12 SF, Insect Screen For Metal Clad Wood Windows	78.57	9.00
08 52 13 00-0638 EA >12 To 15 SF, Insect Screen For Metal Clad Wood Windows	90.68	9.00
08 52 13 00-0639 EA >15 To 20 SF, Insect Screen For Metal Clad Wood Windows	114.91	9.00
08 52 13 00-0640 EA >20 To 25 SF, Insect Screen For Metal Clad Wood Windows	127.02	9.00
08 52 13 00-0641 EA >25 To 30 SF, Insect Screen For Metal Clad Wood Windows	139.11	9.00
08 52 13 00-0642 EA >30 To 35 SF, Insect Screen For Metal Clad Wood Windows	151.22	9.00
08 52 13 00-0643 SF >35 SF, Insect Screen For Metal Clad Wood Windows	4.60	0.18
08 52 13 00-0644 Factory Installed Grilles For Metal Clad Windows <small>(08 52 13 00-0633)</small>		

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 13 00-0645	Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Windows <small>(08 52 13 00-0644)</small>		
08 52 13 00-0646	EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	48.22	
08 52 13 00-0647	EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	103.37	
08 52 13 00-0648	EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	140.28	
08 52 13 00-0649	EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	177.20	
08 52 13 00-0650	EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	251.03	
08 52 13 00-0651	Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Metal Clad Windows <small>(08 52 13 00-0644)</small>		
08 52 13 00-0652	EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	48.22	
08 52 13 00-0653	EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	103.37	
08 52 13 00-0654	EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	140.28	
08 52 13 00-0655	EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	177.20	
08 52 13 00-0656	EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	251.03	
08 52 13 00-0657	Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Windows <small>(08 52 13 00-0644)</small>		
08 52 13 00-0658	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	84.17	
08 52 13 00-0659	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	124.04	
08 52 13 00-0660	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	168.34	
08 52 13 00-0661	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	212.64	
08 52 13 00-0662	EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	301.24	
08 52 13 00-0663	Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Windows <small>(08 52 13 00-0644)</small>		
08 52 13 00-0664	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	101.01	
08 52 13 00-0665	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	148.84	
08 52 13 00-0666	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	202.00	
08 52 13 00-0667	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	255.16	
08 52 13 00-0668	EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	361.48	
08 52 16	Plastic-Clad Wood Windows <small>(08 52)</small>		
08 52 16 00-0001	Single Hung Wood Clad Windows <small>(08 52 16)</small> Note: Single Hung windows feature a movable bottom sash and stationary top sash.		
08 52 16 00-0002	Single Hung Wood Clad Windows <small>(08 52 16 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003	35-1/2" Height, Single Hung Wood Clad Windows <small>(08 52 16 00-0002)</small>		
08 52 16 00-0004	EA 23-1/2" x 35-1/2" Single Hung Wood Clad Window	332.24	58.70
	For Tempered Low-E Insulated Glass, Add	42.97	
	For Low-E Insulated Glass, Add	25.78	
	For Tempered Clear Insulated Glass, Add	42.97	
08 52 16 00-0005	EA 27-1/2" x 35-1/2" Single Hung Wood Clad Window	351.28	61.25
	For Tempered Low-E Insulated Glass, Add	45.75	
	For Low-E Insulated Glass, Add	27.45	
	For Tempered Clear Insulated Glass, Add	45.75	
08 52 16 00-0006	EA 31-1/2" x 35-1/2" Single Hung Wood Clad Window	369.15	63.81
	For Tempered Low-E Insulated Glass, Add	48.31	
	For Low-E Insulated Glass, Add	28.98	
	For Tempered Clear Insulated Glass, Add	48.31	
08 52 16 00-0007	EA 35-1/2" x 35-1/2" Single Hung Wood Clad Window	387.03	66.36
	For Tempered Low-E Insulated Glass, Add	50.86	
	For Low-E Insulated Glass, Add	30.52	
	For Tempered Clear Insulated Glass, Add	50.86	
08 52 16 00-0008	41-1/2" Height, Single Hung Wood Clad Windows <small>(08 52 16 00-0002)</small>		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0009 EA 23-1/2" x 41-1/2" Single Hung Wood Clad Window	359.64	62.53
For Tempered Low-E Insulated Glass, Add	46.92	
For Low-E Insulated Glass, Add	28.15	
For Tempered Clear Insulated Glass, Add	46.92	
08 52 16 00-0010 EA 27-1/2" x 41-1/2" Single Hung Wood Clad Window	378.67	65.08
For Tempered Low-E Insulated Glass, Add	49.70	
For Low-E Insulated Glass, Add	29.82	
For Tempered Clear Insulated Glass, Add	49.70	
08 52 16 00-0011 EA 31-1/2" x 41-1/2" Single Hung Wood Clad Window	396.55	67.63
For Tempered Low-E Insulated Glass, Add	52.26	
For Low-E Insulated Glass, Add	31.35	
For Tempered Clear Insulated Glass, Add	52.26	
08 52 16 00-0012 EA 35-1/2" x 41-1/2" Single Hung Wood Clad Window	414.43	70.18
For Tempered Low-E Insulated Glass, Add	54.81	
For Low-E Insulated Glass, Add	32.89	
For Tempered Clear Insulated Glass, Add	54.81	
08 52 16 00-0013 47-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0014 EA 23-1/2" x 47-1/2" Single Hung Wood Clad Window	387.03	66.36
For Tempered Low-E Insulated Glass, Add	50.86	
For Low-E Insulated Glass, Add	30.52	
For Tempered Clear Insulated Glass, Add	50.86	
08 52 16 00-0015 EA 27-1/2" x 47-1/2" Single Hung Wood Clad Window	404.91	68.91
For Tempered Low-E Insulated Glass, Add	53.42	
For Low-E Insulated Glass, Add	32.05	
For Tempered Clear Insulated Glass, Add	53.42	
08 52 16 00-0016 EA 31-1/2" x 47-1/2" Single Hung Wood Clad Window	423.95	71.46
For Tempered Low-E Insulated Glass, Add	56.21	
For Low-E Insulated Glass, Add	33.72	
For Tempered Clear Insulated Glass, Add	56.21	
08 52 16 00-0017 EA 35-1/2" x 47-1/2" Single Hung Wood Clad Window	441.83	74.01
For Tempered Low-E Insulated Glass, Add	58.76	
For Low-E Insulated Glass, Add	35.26	
For Tempered Clear Insulated Glass, Add	58.76	
08 52 16 00-0018 53-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0019 EA 23-1/2" x 53-1/2" Single Hung Wood Clad Window	414.43	70.18
For Tempered Low-E Insulated Glass, Add	54.81	
For Low-E Insulated Glass, Add	32.89	
For Tempered Clear Insulated Glass, Add	54.81	
08 52 16 00-0020 EA 27-1/2" x 53-1/2" Single Hung Wood Clad Window	432.30	72.74
For Tempered Low-E Insulated Glass, Add	57.37	
For Low-E Insulated Glass, Add	34.42	
For Tempered Clear Insulated Glass, Add	57.37	
08 52 16 00-0021 EA 31-1/2" x 53-1/2" Single Hung Wood Clad Window	450.19	75.29
For Tempered Low-E Insulated Glass, Add	59.92	
For Low-E Insulated Glass, Add	35.95	
For Tempered Clear Insulated Glass, Add	59.92	
08 52 16 00-0022 EA 35-1/2" x 53-1/2" Single Hung Wood Clad Window	469.23	77.84
For Tempered Low-E Insulated Glass, Add	62.71	
For Low-E Insulated Glass, Add	37.62	
For Tempered Clear Insulated Glass, Add	62.71	
08 52 16 00-0023 56-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0024 EA 19-1/2" x 56-1/2" Single Hung Wood Clad Window	409.68	70.18
For Tempered Low-E Insulated Glass, Add	54.12	
For Low-E Insulated Glass, Add	32.47	
For Tempered Clear Insulated Glass, Add	54.12	
08 52 16 00-0025 EA 23-1/2" x 56-1/2" Single Hung Wood Clad Window	427.54	72.10
For Tempered Low-E Insulated Glass, Add	56.67	
For Low-E Insulated Glass, Add	34.00	
For Tempered Clear Insulated Glass, Add	56.67	
08 52 16 00-0026 EA 27-1/2" x 56-1/2" Single Hung Wood Clad Window	446.59	75.29
For Tempered Low-E Insulated Glass, Add	59.46	
For Low-E Insulated Glass, Add	35.67	
For Tempered Clear Insulated Glass, Add	59.46	
08 52 16 00-0027 EA 31-1/2" x 56-1/2" Single Hung Wood Clad Window	464.47	77.84
For Tempered Low-E Insulated Glass, Add	62.01	
For Low-E Insulated Glass, Add	37.21	
For Tempered Clear Insulated Glass, Add	62.01	
08 52 16 00-0028 EA 35-1/2" x 56-1/2" Single Hung Wood Clad Window	482.34	80.40
For Tempered Low-E Insulated Glass, Add	64.57	
For Low-E Insulated Glass, Add	38.74	
For Tempered Clear Insulated Glass, Add	64.57	
08 52 16 00-0029 EA 39-1/2" x 56-1/2" Single Hung Wood Clad Window	500.23	82.95
For Tempered Low-E Insulated Glass, Add	67.12	
For Low-E Insulated Glass, Add	40.27	
For Tempered Clear Insulated Glass, Add	67.12	
08 52 16 00-0030 59-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Single Hung Wood Clad Window	423.95	71.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.21	
			<i>For Low-E Insulated Glass, Add</i>	33.72	
			<i>For Tempered Clear Insulated Glass, Add</i>	56.21	
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Single Hung Wood Clad Window	441.83	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.76	
			<i>For Low-E Insulated Glass, Add</i>	35.26	
			<i>For Tempered Clear Insulated Glass, Add</i>	58.76	
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Single Hung Wood Clad Window	459.71	76.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	61.32	
			<i>For Low-E Insulated Glass, Add</i>	36.79	
			<i>For Tempered Clear Insulated Glass, Add</i>	61.32	
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Single Hung Wood Clad Window	477.58	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.87	
			<i>For Low-E Insulated Glass, Add</i>	38.32	
			<i>For Tempered Clear Insulated Glass, Add</i>	63.87	
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Single Hung Wood Clad Window	495.46	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.42	
			<i>For Low-E Insulated Glass, Add</i>	39.85	
			<i>For Tempered Clear Insulated Glass, Add</i>	66.42	
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Single Hung Wood Clad Window	514.50	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.21	
			<i>For Low-E Insulated Glass, Add</i>	41.53	
			<i>For Tempered Clear Insulated Glass, Add</i>	69.21	
08 52 16 00-0037			65-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Single Hung Wood Clad Window	469.23	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.71	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Tempered Clear Insulated Glass, Add</i>	62.71	
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Single Hung Wood Clad Window	487.10	80.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.26	
			<i>For Low-E Insulated Glass, Add</i>	39.16	
			<i>For Tempered Clear Insulated Glass, Add</i>	65.26	
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Single Hung Wood Clad Window	504.98	82.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.82	
			<i>For Low-E Insulated Glass, Add</i>	40.69	
			<i>For Tempered Clear Insulated Glass, Add</i>	67.82	
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Single Hung Wood Clad Window	522.86	85.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.37	
			<i>For Low-E Insulated Glass, Add</i>	42.22	
			<i>For Tempered Clear Insulated Glass, Add</i>	70.37	
08 52 16 00-0042			71-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Single Hung Wood Clad Window	495.46	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.42	
			<i>For Low-E Insulated Glass, Add</i>	39.85	
			<i>For Tempered Clear Insulated Glass, Add</i>	66.42	
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Single Hung Wood Clad Window	514.50	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.21	
			<i>For Low-E Insulated Glass, Add</i>	41.53	
			<i>For Tempered Clear Insulated Glass, Add</i>	69.21	
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Single Hung Wood Clad Window	532.38	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.77	
			<i>For Low-E Insulated Glass, Add</i>	43.06	
			<i>For Tempered Clear Insulated Glass, Add</i>	71.77	
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Single Hung Wood Clad Window	550.26	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.32	
			<i>For Low-E Insulated Glass, Add</i>	44.59	
			<i>For Tempered Clear Insulated Glass, Add</i>	74.32	
08 52 16 00-0047			Single Hung Wood Clad Windows (08 52 16 00-0001)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048			36-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Single Hung Wood Clad Window	400.63	58.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.90	
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Single Hung Wood Clad Window	424.32	60.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	60.62	
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Single Hung Wood Clad Window	449.16	63.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.57	
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Single Hung Wood Clad Window	462.16	65.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.66	
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Single Hung Wood Clad Window	474.01	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.51	
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Single Hung Wood Clad Window	485.85	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.37	
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Single Hung Wood Clad Window	498.86	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.46	
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Single Hung Wood Clad Window	522.55	70.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.18	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0057 EA 45-5/8" x 36-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	547.39 80.13	73.37
08 52 16 00-0058 40-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0059 EA 21-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	424.32 60.62	61.25
08 52 16 00-0060 EA 25-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	449.16 64.57	63.17
08 52 16 00-0061 EA 29-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	474.01 68.51	65.71
08 52 16 00-0062 EA 31-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	485.85 70.37	67.63
08 52 16 00-0063 EA 33-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	498.86 72.46	68.91
08 52 16 00-0064 EA 35-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	510.71 74.32	70.18
08 52 16 00-0065 EA 37-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	522.55 76.18	70.82
08 52 16 00-0066 EA 41-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	547.39 80.13	73.37
08 52 16 00-0067 EA 45-5/8" x 40-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	572.23 84.08	75.93
08 52 16 00-0068 44-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0069 EA 21-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	449.16 64.57	63.81
08 52 16 00-0070 EA 25-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	474.01 68.51	65.71
08 52 16 00-0071 EA 29-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	498.86 72.46	68.27
08 52 16 00-0072 EA 31-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	510.71 74.32	70.18
08 52 16 00-0073 EA 33-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	522.55 76.18	71.46
08 52 16 00-0074 EA 35-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	535.54 78.27	72.74
08 52 16 00-0075 EA 37-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	547.39 80.13	73.37
08 52 16 00-0076 EA 41-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	572.23 84.08	75.93
08 52 16 00-0077 EA 45-5/8" x 44-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	597.08 88.02	78.48
08 52 16 00-0078 48-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0079 EA 21-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	474.01 68.51	66.36
08 52 16 00-0080 EA 25-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	498.86 72.46	68.27
08 52 16 00-0081 EA 29-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	522.55 76.18	70.82
08 52 16 00-0082 EA 31-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	535.54 78.27	72.74
08 52 16 00-0083 EA 33-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	547.39 80.13	74.01
08 52 16 00-0084 EA 35-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	559.23 81.99	75.29
08 52 16 00-0085 EA 37-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	572.23 84.08	75.93
08 52 16 00-0086 EA 41-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	597.08 88.02	78.48
08 52 16 00-0087 EA 45-5/8" x 48-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	620.76 91.74	81.03
08 52 16 00-0088 52-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0089 EA 21-5/8" x 52-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	498.86 72.46	68.91
08 52 16 00-0090 EA 25-5/8" x 52-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	522.55 76.18	70.82
08 52 16 00-0091 EA 29-5/8" x 52-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	547.39 80.13	73.37
08 52 16 00-0092 EA 31-5/8" x 52-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	559.23 81.99	75.29
08 52 16 00-0093 EA 33-5/8" x 52-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	572.23 84.08	76.56
08 52 16 00-0094 EA 35-5/8" x 52-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	584.08 85.93	77.84
08 52 16 00-0095 EA 37-5/8" x 52-7/8" Single Hung Wood Clad Window <i>For Tempered Low-E Insulated Glass, Add</i>	597.08 88.02	78.48

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	620.76	81.03
		<i>For Tempered Low-E Insulated Glass, Add</i>		91.74	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	645.61	83.59
		<i>For Tempered Low-E Insulated Glass, Add</i>		95.69	
08 52 16 00-0098		56-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)			
08 52 16 00-0099	EA	21-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	522.55	71.46
		<i>For Tempered Low-E Insulated Glass, Add</i>		76.18	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	547.39	73.37
		<i>For Tempered Low-E Insulated Glass, Add</i>		80.13	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	572.23	75.93
		<i>For Tempered Low-E Insulated Glass, Add</i>		84.08	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	584.08	77.84
		<i>For Tempered Low-E Insulated Glass, Add</i>		85.93	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	597.08	79.12
		<i>For Tempered Low-E Insulated Glass, Add</i>		88.02	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	608.92	80.40
		<i>For Tempered Low-E Insulated Glass, Add</i>		89.88	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	620.76	81.03
		<i>For Tempered Low-E Insulated Glass, Add</i>		91.74	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	645.61	83.59
		<i>For Tempered Low-E Insulated Glass, Add</i>		95.69	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	670.45	86.14
		<i>For Tempered Low-E Insulated Glass, Add</i>		99.64	
08 52 16 00-0108		60-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)			
08 52 16 00-0109	EA	21-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	547.39	74.01
		<i>For Tempered Low-E Insulated Glass, Add</i>		80.13	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	572.23	75.93
		<i>For Tempered Low-E Insulated Glass, Add</i>		84.08	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	597.08	78.48
		<i>For Tempered Low-E Insulated Glass, Add</i>		88.02	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	608.92	80.40
		<i>For Tempered Low-E Insulated Glass, Add</i>		89.88	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	620.76	81.67
		<i>For Tempered Low-E Insulated Glass, Add</i>		91.74	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	633.77	82.95
		<i>For Tempered Low-E Insulated Glass, Add</i>		93.83	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	645.61	83.59
		<i>For Tempered Low-E Insulated Glass, Add</i>		95.69	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	670.45	86.14
		<i>For Tempered Low-E Insulated Glass, Add</i>		99.64	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	694.14	88.69
		<i>For Tempered Low-E Insulated Glass, Add</i>		103.35	
08 52 16 00-0118		64-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)			
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	572.23	76.56
		<i>For Tempered Low-E Insulated Glass, Add</i>		84.08	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	597.08	78.48
		<i>For Tempered Low-E Insulated Glass, Add</i>		88.02	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	620.76	81.03
		<i>For Tempered Low-E Insulated Glass, Add</i>		91.74	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	633.77	82.95
		<i>For Tempered Low-E Insulated Glass, Add</i>		93.83	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	645.61	84.22
		<i>For Tempered Low-E Insulated Glass, Add</i>		95.69	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	657.45	85.49
		<i>For Tempered Low-E Insulated Glass, Add</i>		97.55	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	670.45	86.14
		<i>For Tempered Low-E Insulated Glass, Add</i>		99.64	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	694.14	88.69
		<i>For Tempered Low-E Insulated Glass, Add</i>		103.35	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	718.99	91.24
		<i>For Tempered Low-E Insulated Glass, Add</i>		107.30	
08 52 16 00-0128		68-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)			
08 52 16 00-0129	EA	21-5/8" x 68-7/8" Single Hung Wood Clad Window	.....	597.08	79.12
		<i>For Tempered Low-E Insulated Glass, Add</i>		88.02	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Single Hung Wood Clad Window	.....	620.76	81.03
		<i>For Tempered Low-E Insulated Glass, Add</i>		91.74	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Single Hung Wood Clad Window	.....	645.61	83.59
		<i>For Tempered Low-E Insulated Glass, Add</i>		95.69	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Single Hung Wood Clad Window	.....	657.45	85.49
		<i>For Tempered Low-E Insulated Glass, Add</i>		97.55	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Single Hung Wood Clad Window	.....	670.45	86.77
		<i>For Tempered Low-E Insulated Glass, Add</i>		99.64	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Single Hung Wood Clad Window	.....	682.30	88.05
		<i>For Tempered Low-E Insulated Glass, Add</i>		101.50	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0135 EA 37-5/8" x 68-7/8" Single Hung Wood Clad Window	694.14	88.69
For Tempered Low-E Insulated Glass, Add	103.35	
08 52 16 00-0136 EA 41-5/8" x 68-7/8" Single Hung Wood Clad Window	718.99	91.24
For Tempered Low-E Insulated Glass, Add	107.30	
08 52 16 00-0137 EA 45-5/8" x 68-7/8" Single Hung Wood Clad Window	743.84	93.79
For Tempered Low-E Insulated Glass, Add	111.25	
08 52 16 00-0138 72-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0139 EA 21-5/8" x 72-7/8" Single Hung Wood Clad Window	620.76	81.67
For Tempered Low-E Insulated Glass, Add	91.74	
08 52 16 00-0140 EA 25-5/8" x 72-7/8" Single Hung Wood Clad Window	645.61	83.59
For Tempered Low-E Insulated Glass, Add	95.69	
08 52 16 00-0141 EA 29-5/8" x 72-7/8" Single Hung Wood Clad Window	670.45	86.14
For Tempered Low-E Insulated Glass, Add	99.64	
08 52 16 00-0142 EA 31-5/8" x 72-7/8" Single Hung Wood Clad Window	682.30	88.05
For Tempered Low-E Insulated Glass, Add	101.50	
08 52 16 00-0143 EA 33-5/8" x 72-7/8" Single Hung Wood Clad Window	694.14	89.33
For Tempered Low-E Insulated Glass, Add	103.35	
08 52 16 00-0144 EA 35-5/8" x 72-7/8" Single Hung Wood Clad Window	707.15	90.60
For Tempered Low-E Insulated Glass, Add	105.44	
08 52 16 00-0145 EA 37-5/8" x 72-7/8" Single Hung Wood Clad Window	718.99	91.24
For Tempered Low-E Insulated Glass, Add	107.30	
08 52 16 00-0146 EA 41-5/8" x 72-7/8" Single Hung Wood Clad Window	743.84	93.79
For Tempered Low-E Insulated Glass, Add	111.25	
08 52 16 00-0147 EA 45-5/8" x 72-7/8" Single Hung Wood Clad Window	768.68	96.34
For Tempered Low-E Insulated Glass, Add	115.20	
08 52 16 00-0148 76-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0149 EA 21-5/8" x 76-7/8" Single Hung Wood Clad Window	645.61	84.22
For Tempered Low-E Insulated Glass, Add	95.69	
08 52 16 00-0150 EA 25-5/8" x 76-7/8" Single Hung Wood Clad Window	670.45	86.14
For Tempered Low-E Insulated Glass, Add	99.64	
08 52 16 00-0151 EA 29-5/8" x 76-7/8" Single Hung Wood Clad Window	694.14	88.69
For Tempered Low-E Insulated Glass, Add	103.35	
08 52 16 00-0152 EA 31-5/8" x 76-7/8" Single Hung Wood Clad Window	707.15	90.60
For Tempered Low-E Insulated Glass, Add	105.44	
08 52 16 00-0153 EA 33-5/8" x 76-7/8" Single Hung Wood Clad Window	718.99	91.88
For Tempered Low-E Insulated Glass, Add	107.30	
08 52 16 00-0154 EA 35-5/8" x 76-7/8" Single Hung Wood Clad Window	731.99	93.15
For Tempered Low-E Insulated Glass, Add	109.39	
08 52 16 00-0155 EA 37-5/8" x 76-7/8" Single Hung Wood Clad Window	743.84	93.79
For Tempered Low-E Insulated Glass, Add	111.25	
08 52 16 00-0156 EA 41-5/8" x 76-7/8" Single Hung Wood Clad Window	768.68	96.34
For Tempered Low-E Insulated Glass, Add	115.20	
08 52 16 00-0157 EA 45-5/8" x 76-7/8" Single Hung Wood Clad Window	792.37	98.89
For Tempered Low-E Insulated Glass, Add	118.91	
08 52 16 00-0158 84-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0159 EA 21-5/8" x 84-7/8" Single Hung Wood Clad Window	970.50	89.33
For Tempered Low-E Insulated Glass, Add	158.63	
08 52 16 00-0160 EA 25-5/8" x 84-7/8" Single Hung Wood Clad Window	1,004.65	91.24
For Tempered Low-E Insulated Glass, Add	164.43	
08 52 16 00-0161 EA 29-5/8" x 84-7/8" Single Hung Wood Clad Window	1,038.79	93.79
For Tempered Low-E Insulated Glass, Add	170.24	
08 52 16 00-0162 EA 31-5/8" x 84-7/8" Single Hung Wood Clad Window	1,055.27	95.70
For Tempered Low-E Insulated Glass, Add	173.03	
08 52 16 00-0163 EA 33-5/8" x 84-7/8" Single Hung Wood Clad Window	1,072.92	96.99
For Tempered Low-E Insulated Glass, Add	176.05	
08 52 16 00-0164 EA 35-5/8" x 84-7/8" Single Hung Wood Clad Window	1,089.40	98.26
For Tempered Low-E Insulated Glass, Add	178.83	
08 52 16 00-0165 EA 37-5/8" x 84-7/8" Single Hung Wood Clad Window	1,105.90	98.89
For Tempered Low-E Insulated Glass, Add	181.62	
08 52 16 00-0166 EA 41-5/8" x 84-7/8" Single Hung Wood Clad Window	1,140.02	101.45
For Tempered Low-E Insulated Glass, Add	187.43	
08 52 16 00-0167 EA 45-5/8" x 84-7/8" Single Hung Wood Clad Window	1,174.16	104.00
For Tempered Low-E Insulated Glass, Add	193.23	
08 52 16 00-0168 88-7/8" Height, Single Hung Wood Clad Windows (08 52 16 00-0047)		
08 52 16 00-0169 EA 21-5/8" x 88-7/8" Single Hung Wood Clad Window	1,004.65	91.88
For Tempered Low-E Insulated Glass, Add	164.43	
08 52 16 00-0170 EA 25-5/8" x 88-7/8" Single Hung Wood Clad Window	1,038.79	93.79
For Tempered Low-E Insulated Glass, Add	170.24	
08 52 16 00-0171 EA 29-5/8" x 88-7/8" Single Hung Wood Clad Window	1,072.92	96.34
For Tempered Low-E Insulated Glass, Add	176.05	
08 52 16 00-0172 EA 31-5/8" x 88-7/8" Single Hung Wood Clad Window	1,089.40	98.26
For Tempered Low-E Insulated Glass, Add	178.83	
08 52 16 00-0173 EA 33-5/8" x 88-7/8" Single Hung Wood Clad Window	1,105.90	99.53
For Tempered Low-E Insulated Glass, Add	181.62	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Single Hung Wood Clad Window	.....	1,123.54	100.81
		<i>For Tempered Low-E Insulated Glass, Add</i>		<i>184.64</i>	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Single Hung Wood Clad Window	.....	1,140.02	101.45
		<i>For Tempered Low-E Insulated Glass, Add</i>		<i>187.43</i>	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Single Hung Wood Clad Window	.....	1,174.16	104.00
		<i>For Tempered Low-E Insulated Glass, Add</i>		<i>193.23</i>	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Single Hung Wood Clad Window	.....	1,208.30	106.55
		<i>For Tempered Low-E Insulated Glass, Add</i>		<i>199.04</i>	
08 52 16 00-0178		Double Hung Wood Clad Windows <small>(08 52 16)</small>			
		Note: Double hung windows feature two movable sashes that operate vertically and open independently.			
08 52 16 00-0179		Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0178)</small>			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0180		35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>			
08 52 16 00-0181	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	370.15	58.70
		<i>For Low-E Insulated Glass, Add</i>		<i>30.33</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>50.55</i>	
08 52 16 00-0182	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	391.65	61.25
		<i>For Low-E Insulated Glass, Add</i>		<i>32.30</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>53.83</i>	
08 52 16 00-0183	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	411.78	63.81
		<i>For Low-E Insulated Glass, Add</i>		<i>34.10</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>56.83</i>	
08 52 16 00-0184	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	431.91	66.36
		<i>For Low-E Insulated Glass, Add</i>		<i>35.90</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>59.84</i>	
08 52 16 00-0185		41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>			
08 52 16 00-0186	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	401.03	62.53
		<i>For Low-E Insulated Glass, Add</i>		<i>33.12</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>55.19</i>	
08 52 16 00-0187	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	422.53	65.08
		<i>For Low-E Insulated Glass, Add</i>		<i>35.08</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>58.47</i>	
08 52 16 00-0188	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	442.66	67.63
		<i>For Low-E Insulated Glass, Add</i>		<i>36.89</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>61.48</i>	
08 52 16 00-0189	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	462.79	70.18
		<i>For Low-E Insulated Glass, Add</i>		<i>38.69</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>64.48</i>	
08 52 16 00-0190		47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>			
08 52 16 00-0191	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	431.91	66.36
		<i>For Low-E Insulated Glass, Add</i>		<i>35.90</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>59.84</i>	
08 52 16 00-0192	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	452.05	68.91
		<i>For Low-E Insulated Glass, Add</i>		<i>37.71</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>62.85</i>	
08 52 16 00-0193	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	473.54	71.46
		<i>For Low-E Insulated Glass, Add</i>		<i>39.67</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>66.12</i>	
08 52 16 00-0194	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	493.68	74.01
		<i>For Low-E Insulated Glass, Add</i>		<i>41.48</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>69.13</i>	
08 52 16 00-0195		53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>			
08 52 16 00-0196	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	462.79	70.18
		<i>For Low-E Insulated Glass, Add</i>		<i>38.69</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>64.48</i>	
08 52 16 00-0197	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	482.92	72.74
		<i>For Low-E Insulated Glass, Add</i>		<i>40.49</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>67.49</i>	
08 52 16 00-0198	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	503.06	75.29
		<i>For Low-E Insulated Glass, Add</i>		<i>42.30</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>70.50</i>	
08 52 16 00-0199	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	.....	524.56	77.84
		<i>For Low-E Insulated Glass, Add</i>		<i>44.26</i>	
		<i>For Tempered Clear Insulated Glass, Add</i>		<i>73.77</i>	
08 52 16 00-0200		56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>			



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0201	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	457.42	70.18
			<i>For Low-E Insulated Glass, Add</i>	38.20	
			<i>For Tempered Clear Insulated Glass, Add</i>	63.66	
08 52 16 00-0202	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	477.54	72.10
			<i>For Low-E Insulated Glass, Add</i>	40.00	
			<i>For Tempered Clear Insulated Glass, Add</i>	66.67	
08 52 16 00-0203	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	499.05	75.29
			<i>For Low-E Insulated Glass, Add</i>	41.97	
			<i>For Tempered Clear Insulated Glass, Add</i>	69.95	
08 52 16 00-0204	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	519.19	77.84
			<i>For Low-E Insulated Glass, Add</i>	43.77	
			<i>For Tempered Clear Insulated Glass, Add</i>	72.96	
08 52 16 00-0205	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	539.31	80.40
			<i>For Low-E Insulated Glass, Add</i>	45.58	
			<i>For Tempered Clear Insulated Glass, Add</i>	75.96	
08 52 16 00-0206	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	559.45	82.95
			<i>For Low-E Insulated Glass, Add</i>	47.38	
			<i>For Tempered Clear Insulated Glass, Add</i>	78.97	
08 52 16 00-0207			59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0208	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	473.54	71.46
			<i>For Low-E Insulated Glass, Add</i>	39.67	
			<i>For Tempered Clear Insulated Glass, Add</i>	66.12	
08 52 16 00-0209	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	493.68	74.01
			<i>For Low-E Insulated Glass, Add</i>	41.48	
			<i>For Tempered Clear Insulated Glass, Add</i>	69.13	
08 52 16 00-0210	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	513.81	76.56
			<i>For Low-E Insulated Glass, Add</i>	43.28	
			<i>For Tempered Clear Insulated Glass, Add</i>	72.14	
08 52 16 00-0211	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	533.93	79.12
			<i>For Low-E Insulated Glass, Add</i>	45.08	
			<i>For Tempered Clear Insulated Glass, Add</i>	75.14	
08 52 16 00-0212	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	554.07	81.67
			<i>For Low-E Insulated Glass, Add</i>	46.89	
			<i>For Tempered Clear Insulated Glass, Add</i>	78.15	
08 52 16 00-0213	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	575.57	84.22
			<i>For Low-E Insulated Glass, Add</i>	48.86	
			<i>For Tempered Clear Insulated Glass, Add</i>	81.43	
08 52 16 00-0214			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0215	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	524.56	77.84
			<i>For Low-E Insulated Glass, Add</i>	44.26	
			<i>For Tempered Clear Insulated Glass, Add</i>	73.77	
08 52 16 00-0216	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	544.68	80.40
			<i>For Low-E Insulated Glass, Add</i>	46.07	
			<i>For Tempered Clear Insulated Glass, Add</i>	76.78	
08 52 16 00-0217	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	564.82	82.95
			<i>For Low-E Insulated Glass, Add</i>	47.87	
			<i>For Tempered Clear Insulated Glass, Add</i>	79.79	
08 52 16 00-0218	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	584.96	85.49
			<i>For Low-E Insulated Glass, Add</i>	49.68	
			<i>For Tempered Clear Insulated Glass, Add</i>	82.79	
08 52 16 00-0219			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0220	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	554.07	81.67
			<i>For Low-E Insulated Glass, Add</i>	46.89	
			<i>For Tempered Clear Insulated Glass, Add</i>	78.15	
08 52 16 00-0221	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	575.57	84.22
			<i>For Low-E Insulated Glass, Add</i>	48.86	
			<i>For Tempered Clear Insulated Glass, Add</i>	81.43	
08 52 16 00-0222	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	595.71	86.77
			<i>For Low-E Insulated Glass, Add</i>	50.66	
			<i>For Tempered Clear Insulated Glass, Add</i>	84.43	
08 52 16 00-0223	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	615.83	89.33
			<i>For Low-E Insulated Glass, Add</i>	52.46	
			<i>For Tempered Clear Insulated Glass, Add</i>	87.44	
08 52 16 00-0224			Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0178)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0225			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0226	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	450.84	58.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.94	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0227	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	477.81	60.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.32	
08 52 16 00-0228	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	506.13	63.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.96	
08 52 16 00-0229	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	520.98	65.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.42	
08 52 16 00-0230	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.47	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.61	
08 52 16 00-0231	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.95	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.79	
08 52 16 00-0232	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.79	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0233	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	589.76	70.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.62	
08 52 16 00-0234	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.09	73.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.27	
08 52 16 00-0235			40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0236	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	477.81	61.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.32	
08 52 16 00-0237	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	506.13	63.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.96	
08 52 16 00-0238	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.47	65.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.61	
08 52 16 00-0239	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.95	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.79	
08 52 16 00-0240	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.79	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0241	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	576.28	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.44	
08 52 16 00-0242	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	589.76	70.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.62	
08 52 16 00-0243	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.09	73.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.27	
08 52 16 00-0244	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	646.41	75.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.91	
08 52 16 00-0245			44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0246	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	506.13	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.96	
08 52 16 00-0247	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.47	65.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.61	
08 52 16 00-0248	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.79	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0249	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	576.28	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.44	
08 52 16 00-0250	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	589.76	71.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.62	
08 52 16 00-0251	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	604.60	72.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.08	
08 52 16 00-0252	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.09	73.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.27	
08 52 16 00-0253	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	646.41	75.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.91	
08 52 16 00-0254	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	674.75	78.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.56	
08 52 16 00-0255			48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0256	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	534.47	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.61	
08 52 16 00-0257	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	562.79	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0258	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	589.76	70.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.62	
08 52 16 00-0259	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	604.60	72.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.08	
08 52 16 00-0260	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	618.09	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.27	
08 52 16 00-0261	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	631.57	75.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.45	
08 52 16 00-0262	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	646.41	75.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.91	
08 52 16 00-0263	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	674.75	78.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.56	
08 52 16 00-0264	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	701.71	81.03
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.93	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0265	52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0266	EA 21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.79 85.25	68.91
08 52 16 00-0267	EA 25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	589.76 89.62	70.82
08 52 16 00-0268	EA 29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.09 94.27	73.37
08 52 16 00-0269	EA 31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	631.57 96.45	75.29
08 52 16 00-0270	EA 33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	646.41 98.91	76.56
08 52 16 00-0271	EA 35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	659.90 101.10	77.84
08 52 16 00-0272	EA 37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.75 103.56	78.48
08 52 16 00-0273	EA 41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	701.71 107.93	81.03
08 52 16 00-0274	EA 45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	730.04 112.57	83.59
08 52 16 00-0275	56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0276	EA 21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	589.76 89.62	71.46
08 52 16 00-0277	EA 25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.09 94.27	73.37
08 52 16 00-0278	EA 29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	646.41 98.91	75.93
08 52 16 00-0279	EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	659.90 101.10	77.84
08 52 16 00-0280	EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.75 103.56	79.12
08 52 16 00-0281	EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	688.23 105.74	80.40
08 52 16 00-0282	EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	701.71 107.93	81.03
08 52 16 00-0283	EA 41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	730.04 112.57	83.59
08 52 16 00-0284	EA 45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	758.37 117.22	86.14
08 52 16 00-0285	60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0286	EA 21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	618.09 94.27	74.01
08 52 16 00-0287	EA 25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	646.41 98.91	75.93
08 52 16 00-0288	EA 29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.75 103.56	78.48
08 52 16 00-0289	EA 31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	688.23 105.74	80.40
08 52 16 00-0290	EA 33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	701.71 107.93	81.67
08 52 16 00-0291	EA 35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	716.56 110.39	82.95
08 52 16 00-0292	EA 37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	730.04 112.57	83.59
08 52 16 00-0293	EA 41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	758.37 117.22	86.14
08 52 16 00-0294	EA 45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	785.33 121.59	88.69
08 52 16 00-0295	64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0296	EA 21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	646.41 98.91	76.56
08 52 16 00-0297	EA 25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.75 103.56	78.48
08 52 16 00-0298	EA 29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	701.71 107.93	81.03
08 52 16 00-0299	EA 31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	716.56 110.39	82.95
08 52 16 00-0300	EA 33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	730.04 112.57	84.22
08 52 16 00-0301	EA 35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	743.52 114.76	85.49

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0302	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	758.37	86.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0303	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	785.33	88.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	
08 52 16 00-0304	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	813.66	91.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.24	
08 52 16 00-0305			68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0306	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	674.75	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.56	
08 52 16 00-0307	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	701.71	81.03
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.93	
08 52 16 00-0308	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	730.04	83.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0309	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	743.52	85.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.76	
08 52 16 00-0310	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	758.37	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0311	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	771.85	88.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.41	
08 52 16 00-0312	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	785.33	88.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	
08 52 16 00-0313	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	813.66	91.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.24	
08 52 16 00-0314	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	842.00	93.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.88	
08 52 16 00-0315			72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0316	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	701.71	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.93	
08 52 16 00-0317	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	730.04	83.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0318	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	758.37	86.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0319	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	771.85	88.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.41	
08 52 16 00-0320	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	785.33	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	
08 52 16 00-0321	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	800.18	90.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	124.05	
08 52 16 00-0322	EA		37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	813.66	91.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.24	
08 52 16 00-0323	EA		41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	842.00	93.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.88	
08 52 16 00-0324	EA		45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	870.33	96.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.53	
08 52 16 00-0325			76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0326	EA		21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	730.04	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0327	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	758.37	86.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0328	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	785.33	88.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	
08 52 16 00-0329	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	800.18	90.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	124.05	
08 52 16 00-0330	EA		33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	813.66	91.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.24	
08 52 16 00-0331	EA		35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	828.51	93.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.70	
08 52 16 00-0332	EA		37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	842.00	93.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.88	
08 52 16 00-0333	EA		41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	870.33	96.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.53	
08 52 16 00-0334	EA		45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	897.29	98.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.90	
08 52 16 00-0335			84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0224)</small>		
08 52 16 00-0336	EA		21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,110.48	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	186.62	
08 52 16 00-0337	EA		25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,149.75	91.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	193.45	
08 52 16 00-0338	EA		29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,189.01	93.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.28	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0339 EA 31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,207.96 203.56	95.70
08 52 16 00-0340 EA 33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,228.27 207.12	96.99
08 52 16 00-0341 EA 35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,247.21 210.39	98.26
08 52 16 00-0342 EA 37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,266.17 213.67	98.89
08 52 16 00-0343 EA 41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,305.41 220.50	101.45
08 52 16 00-0344 EA 45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,344.68 227.34	104.00
08 52 16 00-0345 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)		
08 52 16 00-0346 EA 21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,149.75 193.45	91.88
08 52 16 00-0347 EA 25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,189.01 200.28	93.79
08 52 16 00-0348 EA 29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,228.27 207.12	96.34
08 52 16 00-0349 EA 31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,247.21 210.39	98.26
08 52 16 00-0350 EA 33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,266.17 213.67	99.53
08 52 16 00-0351 EA 35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,286.47 217.23	100.81
08 52 16 00-0352 EA 37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,305.41 220.50	101.45
08 52 16 00-0353 EA 41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,344.68 227.34	104.00
08 52 16 00-0354 EA 45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,383.94 234.17	106.55
08 52 16 00-0355 Casement Wood Clad Windows (08 52 16)		
Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
08 52 16 00-0356 Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0355)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0357 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0356)		
08 52 16 00-0358 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)		
08 52 16 00-0359 EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	405.96 62.05	48.49
08 52 16 00-0360 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	429.03 65.90	49.77
08 52 16 00-0361 EA 24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	455.00 70.07	52.32
08 52 16 00-0362 EA 28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	479.00 73.85	54.88
08 52 16 00-0363 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)		
08 52 16 00-0364 EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	435.13 66.86	51.04
08 52 16 00-0365 EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	458.21 70.71	52.32
08 52 16 00-0366 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	484.16 74.88	54.88
08 52 16 00-0367 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	497.51 76.53	57.42
08 52 16 00-0368 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	527.18 81.70	59.97
08 52 16 00-0369 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)		
08 52 16 00-0370 EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	487.37 75.53	54.88
08 52 16 00-0371 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	512.05 79.70	57.42
08 52 16 00-0372 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	538.00 83.87	59.34
08 52 16 00-0373 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	578.40 90.92	61.89

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0374	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	616.67	63.81
			<i>For Tempered Clear Insulated Glass, Add</i>	97.81	
08 52 16 00-0375	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	653.75	65.08
			<i>For Tempered Clear Insulated Glass, Add</i>	104.72	
08 52 16 00-0376			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0357)</small>		
08 52 16 00-0377	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	522.62	58.70
			<i>For Tempered Clear Insulated Glass, Add</i>	81.30	
08 52 16 00-0378	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	545.70	59.97
			<i>For Tempered Clear Insulated Glass, Add</i>	85.15	
08 52 16 00-0379	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	571.66	62.53
			<i>For Tempered Clear Insulated Glass, Add</i>	89.32	
08 52 16 00-0380	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	629.69	65.08
			<i>For Tempered Clear Insulated Glass, Add</i>	99.91	
08 52 16 00-0381	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	669.75	67.63
			<i>For Tempered Clear Insulated Glass, Add</i>	107.15	
08 52 16 00-0382	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	707.61	70.18
			<i>For Tempered Clear Insulated Glass, Add</i>	113.70	
08 52 16 00-0383			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0357)</small>		
08 52 16 00-0384	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	572.93	63.81
			<i>For Tempered Clear Insulated Glass, Add</i>	89.32	
08 52 16 00-0385	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	597.61	65.08
			<i>For Tempered Clear Insulated Glass, Add</i>	93.49	
08 52 16 00-0386	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	623.56	67.63
			<i>For Tempered Clear Insulated Glass, Add</i>	97.66	
08 52 16 00-0387	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	703.25	70.18
			<i>For Tempered Clear Insulated Glass, Add</i>	112.58	
08 52 16 00-0388	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	734.77	72.74
			<i>For Tempered Clear Insulated Glass, Add</i>	118.12	
08 52 16 00-0389	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	781.97	75.29
			<i>For Tempered Clear Insulated Glass, Add</i>	126.53	
08 52 16 00-0390			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0357)</small>		
08 52 16 00-0391	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	606.91	66.36
			<i>For Tempered Clear Insulated Glass, Add</i>	95.09	
08 52 16 00-0392	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	629.98	67.63
			<i>For Tempered Clear Insulated Glass, Add</i>	98.94	
08 52 16 00-0393	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	655.94	70.18
			<i>For Tempered Clear Insulated Glass, Add</i>	103.11	
08 52 16 00-0394	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	754.08	72.74
			<i>For Tempered Clear Insulated Glass, Add</i>	121.72	
08 52 16 00-0395	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	800.79	75.29
			<i>For Tempered Clear Insulated Glass, Add</i>	130.30	
08 52 16 00-0396	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	831.99	77.84
			<i>For Tempered Clear Insulated Glass, Add</i>	135.52	
08 52 16 00-0397			59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0357)</small>		
08 52 16 00-0398	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	655.94	70.18
			<i>For Tempered Clear Insulated Glass, Add</i>	103.11	
08 52 16 00-0399	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	680.62	72.74
			<i>For Tempered Clear Insulated Glass, Add</i>	107.29	
08 52 16 00-0400	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	706.58	74.65
			<i>For Tempered Clear Insulated Glass, Add</i>	111.46	
08 52 16 00-0401	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	827.18	77.21
			<i>For Tempered Clear Insulated Glass, Add</i>	134.55	
08 52 16 00-0402	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	860.48	79.12
			<i>For Tempered Clear Insulated Glass, Add</i>	140.45	
08 52 16 00-0403	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	905.08	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	148.35	
08 52 16 00-0404			64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0357)</small>		
08 52 16 00-0405	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	691.20	74.01
			<i>For Tempered Clear Insulated Glass, Add</i>	108.89	
08 52 16 00-0406	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	714.27	75.29
			<i>For Tempered Clear Insulated Glass, Add</i>	112.74	
08 52 16 00-0407	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	740.24	77.84
			<i>For Tempered Clear Insulated Glass, Add</i>	116.91	
08 52 16 00-0408	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	878.46	80.40
			<i>For Tempered Clear Insulated Glass, Add</i>	143.54	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0409 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	909.51 148.98	82.95
08 52 16 00-0410 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	956.37 157.33	85.49
08 52 16 00-0411 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0357)		
08 52 16 00-0412 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	740.24 116.91	77.84
08 52 16 00-0413 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	764.91 121.08	80.40
08 52 16 00-0414 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	790.87 125.25	82.30
08 52 16 00-0415 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	951.56 156.37	84.86
08 52 16 00-0416 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	989.50 163.19	86.77
08 52 16 00-0417 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,029.47 170.16	89.33
08 52 16 00-0418 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0356)		
08 52 16 00-0419 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0420 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	719.14 118.82	62.53
08 52 16 00-0421 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	816.20 136.19	67.63
08 52 16 00-0422 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	928.38 156.58	72.74
08 52 16 00-0423 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0424 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	775.14 129.00	65.08
08 52 16 00-0425 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	872.21 146.37	70.18
08 52 16 00-0426 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	984.39 166.76	75.29
08 52 16 00-0427 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0428 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	768.32 127.63	65.08
08 52 16 00-0429 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	867.08 145.60	70.18
08 52 16 00-0430 EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	970.32 164.20	75.29
08 52 16 00-0431 EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,089.60 186.02	79.75
08 52 16 00-0432 EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,169.65 200.50	83.59
08 52 16 00-0433 EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,302.83 224.84	89.33
08 52 16 00-0434 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0435 EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	837.25 140.14	68.27
08 52 16 00-0436 EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	936.01 158.11	72.74
08 52 16 00-0437 EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,039.26 176.71	77.84
08 52 16 00-0438 EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,158.54 198.53	82.95
08 52 16 00-0439 EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,247.09 214.71	86.77
08 52 16 00-0440 EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,617.18 286.43	92.52
08 52 16 00-0441 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0418)		
08 52 16 00-0442 EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	938.89 158.43	73.37

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0443 EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,039.26	77.84
<i>For Tempered Clear Insulated Glass, Add</i>	176.71	
08 52 16 00-0444 EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,142.50	82.95
<i>For Tempered Clear Insulated Glass, Add</i>	195.32	
08 52 16 00-0445 EA 56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,261.78	88.05
<i>For Tempered Clear Insulated Glass, Add</i>	217.14	
08 52 16 00-0446 EA 62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,346.64	91.88
<i>For Tempered Clear Insulated Glass, Add</i>	232.58	
08 52 16 00-0447 EA 71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,475.01	97.62
<i>For Tempered Clear Insulated Glass, Add</i>	255.95	
08 52 16 00-0448 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small>		
08 52 16 00-0449 EA 33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,006.55	75.93
<i>For Tempered Clear Insulated Glass, Add</i>	170.94	
08 52 16 00-0450 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,105.31	80.40
<i>For Tempered Clear Insulated Glass, Add</i>	188.91	
08 52 16 00-0451 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,196.66	85.49
<i>For Tempered Clear Insulated Glass, Add</i>	205.13	
08 52 16 00-0452 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,327.85	90.60
<i>For Tempered Clear Insulated Glass, Add</i>	229.33	
08 52 16 00-0453 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,416.71	94.43
<i>For Tempered Clear Insulated Glass, Add</i>	245.57	
08 52 16 00-0454 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,542.67	100.18
<i>For Tempered Clear Insulated Glass, Add</i>	268.47	
08 52 16 00-0455 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small>		
08 52 16 00-0456 EA 33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,106.91	80.40
<i>For Tempered Clear Insulated Glass, Add</i>	189.23	
08 52 16 00-0457 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,205.68	85.49
<i>For Tempered Clear Insulated Glass, Add</i>	207.19	
08 52 16 00-0458 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,308.92	90.60
<i>For Tempered Clear Insulated Glass, Add</i>	225.80	
08 52 16 00-0459 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,428.21	95.07
<i>For Tempered Clear Insulated Glass, Add</i>	247.61	
08 52 16 00-0460 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,517.08	98.89
<i>For Tempered Clear Insulated Glass, Add</i>	263.86	
08 52 16 00-0461 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,641.43	104.64
<i>For Tempered Clear Insulated Glass, Add</i>	286.43	
08 52 16 00-0462 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small>		
08 52 16 00-0463 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,175.86	83.59
<i>For Tempered Clear Insulated Glass, Add</i>	201.74	
08 52 16 00-0464 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,274.61	88.05
<i>For Tempered Clear Insulated Glass, Add</i>	219.70	
08 52 16 00-0465 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,379.45	93.15
<i>For Tempered Clear Insulated Glass, Add</i>	238.63	
08 52 16 00-0466 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,498.75	98.26
<i>For Tempered Clear Insulated Glass, Add</i>	260.45	
08 52 16 00-0467 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small>		
08 52 16 00-0468 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,276.22	88.05
<i>For Tempered Clear Insulated Glass, Add</i>	220.02	
08 52 16 00-0469 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,374.97	93.15
<i>For Tempered Clear Insulated Glass, Add</i>	237.99	
08 52 16 00-0470 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,478.22	98.26
<i>For Tempered Clear Insulated Glass, Add</i>	256.60	
08 52 16 00-0471 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,597.50	102.73
<i>For Tempered Clear Insulated Glass, Add</i>	278.41	
08 52 16 00-0472 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0356)</small>		
08 52 16 00-0473 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0474 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,134.95	82.30
<i>For Tempered Clear Insulated Glass, Add</i>	194.07	
08 52 16 00-0475 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,318.53	90.60
<i>For Tempered Clear Insulated Glass, Add</i>	227.46	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0476 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0477 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,203.59	84.86
For Tempered Clear Insulated Glass, Add	206.77	
08 52 16 00-0478 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,375.25	93.15
For Tempered Clear Insulated Glass, Add	237.79	
08 52 16 00-0479 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0480 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,158.86	82.95
For Tempered Clear Insulated Glass, Add	198.59	
08 52 16 00-0481 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,306.04	89.33
For Tempered Clear Insulated Glass, Add	225.48	
08 52 16 00-0482 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,487.84	98.26
For Tempered Clear Insulated Glass, Add	258.52	
08 52 16 00-0483 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0484 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,224.53	86.77
For Tempered Clear Insulated Glass, Add	210.45	
08 52 16 00-0485 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,376.58	92.52
For Tempered Clear Insulated Glass, Add	238.31	
08 52 16 00-0486 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,556.78	100.81
For Tempered Clear Insulated Glass, Add	271.03	
08 52 16 00-0487 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0488 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,478.22	97.62
For Tempered Clear Insulated Glass, Add	256.60	
08 52 16 00-0489 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,658.42	105.92
For Tempered Clear Insulated Glass, Add	289.32	
08 52 16 00-0490 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0491 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,545.88	100.18
For Tempered Clear Insulated Glass, Add	269.11	
08 52 16 00-0492 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,726.08	108.47
For Tempered Clear Insulated Glass, Add	301.83	
08 52 16 00-0493 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0494 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,644.64	104.64
For Tempered Clear Insulated Glass, Add	287.07	
08 52 16 00-0495 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,826.45	113.57
For Tempered Clear Insulated Glass, Add	320.12	
08 52 16 00-0496 Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0355)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0497 One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0496)</small>		
08 52 16 00-0498 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0497)</small>		
08 52 16 00-0499 EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	480.54	48.49
For Tempered Low-E Insulated Glass, Add	76.97	
08 52 16 00-0500 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	508.43	49.77
For Tempered Low-E Insulated Glass, Add	81.78	
08 52 16 00-0501 EA 24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	539.61	52.32
For Tempered Low-E Insulated Glass, Add	86.99	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0502 EA 28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	568.34 91.72	54.88
08 52 16 00-0503 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0497)</small>		
08 52 16 00-0504 EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	515.73 82.98	51.04
08 52 16 00-0505 EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	543.62 87.80	52.32
08 52 16 00-0506 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	574.79 93.01	54.88
08 52 16 00-0507 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	590.20 95.07	57.42
08 52 16 00-0508 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	626.33 101.53	59.97
08 52 16 00-0509 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0497)</small>		
08 52 16 00-0510 EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	578.80 93.81	54.88
08 52 16 00-0511 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	608.69 99.02	57.42
08 52 16 00-0512 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	639.86 104.24	59.34
08 52 16 00-0513 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	689.08 113.06	61.89
08 52 16 00-0514 EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	735.95 121.67	63.81
08 52 16 00-0515 EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	781.67 130.30	65.08
08 52 16 00-0516 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0497)</small>		
08 52 16 00-0517 EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	621.27 101.03	58.70
08 52 16 00-0518 EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	649.16 105.84	59.97
08 52 16 00-0519 EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	680.33 111.05	62.53
08 52 16 00-0520 EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	751.60 124.29	65.08
08 52 16 00-0521 EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	800.71 133.34	67.63
08 52 16 00-0522 EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	846.76 141.53	70.18
08 52 16 00-0523 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0497)</small>		
08 52 16 00-0524 EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	681.60 111.05	63.81
08 52 16 00-0525 EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	711.50 116.27	65.08
08 52 16 00-0526 EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	742.66 121.48	67.63
08 52 16 00-0527 EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	841.00 140.13	70.18
08 52 16 00-0528 EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	879.43 147.05	72.74
08 52 16 00-0529 EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	937.16 157.57	75.29
08 52 16 00-0530 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0497)</small>		
08 52 16 00-0531 EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	722.80 118.27	66.36
08 52 16 00-0532 EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	750.68 123.08	67.63
08 52 16 00-0533 EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	781.86 128.30	70.18
08 52 16 00-0534 EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	903.25 151.56	72.74
08 52 16 00-0535 EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	960.69 162.28	75.29
08 52 16 00-0536 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	998.41 168.80	77.84



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0537 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)		
08 52 16 00-0538 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	781.86	70.18
For Tempered Low-E Insulated Glass, Add	128.30	
08 52 16 00-0539 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	811.75	72.74
For Tempered Low-E Insulated Glass, Add	133.51	
08 52 16 00-0540 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	842.92	74.65
For Tempered Low-E Insulated Glass, Add	138.72	
08 52 16 00-0541 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	992.39	77.21
For Tempered Low-E Insulated Glass, Add	167.60	
08 52 16 00-0542 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,033.07	79.12
For Tempered Low-E Insulated Glass, Add	174.97	
08 52 16 00-0543 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,087.54	81.67
For Tempered Low-E Insulated Glass, Add	184.84	
08 52 16 00-0544 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)		
08 52 16 00-0545 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	824.33	74.01
For Tempered Low-E Insulated Glass, Add	135.52	
08 52 16 00-0546 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	852.22	75.29
For Tempered Low-E Insulated Glass, Add	140.33	
08 52 16 00-0547 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	883.40	77.84
For Tempered Low-E Insulated Glass, Add	145.54	
08 52 16 00-0548 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,054.90	80.40
For Tempered Low-E Insulated Glass, Add	178.82	
08 52 16 00-0549 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,092.75	82.95
For Tempered Low-E Insulated Glass, Add	185.63	
08 52 16 00-0550 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,150.06	85.49
For Tempered Low-E Insulated Glass, Add	196.07	
08 52 16 00-0551 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0497)		
08 52 16 00-0552 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	883.40	77.84
For Tempered Low-E Insulated Glass, Add	145.54	
08 52 16 00-0553 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	913.28	80.40
For Tempered Low-E Insulated Glass, Add	150.75	
08 52 16 00-0554 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	944.46	82.30
For Tempered Low-E Insulated Glass, Add	155.97	
08 52 16 00-0555 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,144.05	84.86
For Tempered Low-E Insulated Glass, Add	194.87	
08 52 16 00-0556 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,190.52	86.77
For Tempered Low-E Insulated Glass, Add	203.39	
08 52 16 00-0557 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,239.19	89.33
For Tempered Low-E Insulated Glass, Add	212.11	
08 52 16 00-0558 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0496)		
08 52 16 00-0559 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)		
08 52 16 00-0560 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	861.70	62.53
For Tempered Low-E Insulated Glass, Add	147.33	
08 52 16 00-0561 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	980.48	67.63
For Tempered Low-E Insulated Glass, Add	169.04	
08 52 16 00-0562 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,118.15	72.74
For Tempered Low-E Insulated Glass, Add	194.54	
08 52 16 00-0563 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)		
08 52 16 00-0564 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	930.43	65.08
For Tempered Low-E Insulated Glass, Add	160.05	
08 52 16 00-0565 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,049.22	70.18
For Tempered Low-E Insulated Glass, Add	181.77	
08 52 16 00-0566 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,186.89	75.29
For Tempered Low-E Insulated Glass, Add	207.26	
08 52 16 00-0567 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)		
08 52 16 00-0568 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	921.90	65.08
For Tempered Low-E Insulated Glass, Add	158.35	
08 52 16 00-0569 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,043.13	70.18
For Tempered Low-E Insulated Glass, Add	180.81	
08 52 16 00-0570 EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,169.62	75.29
For Tempered Low-E Insulated Glass, Add	204.06	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0571	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,316.17 231.33	79.75
08 52 16 00-0572	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,414.31 249.43	83.59
08 52 16 00-0573	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,577.92 279.85	89.33
08 52 16 00-0574 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0558)</small>				
08 52 16 00-0575	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,006.48 173.99	68.27
08 52 16 00-0576	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,127.69 196.44	72.74
08 52 16 00-0577	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,254.20 219.70	77.84
08 52 16 00-0578	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,400.75 246.97	82.95
08 52 16 00-0579	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,509.52 267.19	86.77
08 52 16 00-0580	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,969.27 356.85	92.52
08 52 16 00-0581 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0558)</small>				
08 52 16 00-0582	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,130.98 196.85	73.37
08 52 16 00-0583	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,254.20 219.70	77.84
08 52 16 00-0584	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,380.70 242.96	82.95
08 52 16 00-0585	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,527.25 270.23	88.05
08 52 16 00-0586	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,631.41 289.53	91.88
08 52 16 00-0587	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,789.00 318.75	97.62
08 52 16 00-0588 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0558)</small>				
08 52 16 00-0589	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,214.27 212.48	75.93
08 52 16 00-0590	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,335.49 234.94	80.40
08 52 16 00-0591	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,450.09 255.82	85.49
08 52 16 00-0592	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,608.55 285.47	90.60
08 52 16 00-0593	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,717.72 305.77	94.43
08 52 16 00-0594	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,872.30 334.39	100.18
08 52 16 00-0595 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0558)</small>				
08 52 16 00-0596	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,337.49 235.34	80.40
08 52 16 00-0597	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,458.71 257.80	85.49
08 52 16 00-0598	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,585.22 281.06	90.60
08 52 16 00-0599	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,731.77 308.33	95.07
08 52 16 00-0600	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,840.95 328.63	98.89
08 52 16 00-0601	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,993.52 356.85	104.64
08 52 16 00-0602 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0558)</small>				
08 52 16 00-0603	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,422.08 250.98	83.59
08 52 16 00-0604	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,543.29 273.44	88.05
08 52 16 00-0605	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,671.79 297.10	93.15



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0606	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,818.35 324.37	98.26
08 52 16 00-0607			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0558)</small>		
08 52 16 00-0608	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,545.30 273.84	88.05
08 52 16 00-0609	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,666.51 296.30	93.15
08 52 16 00-0610	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,793.01 319.55	98.26
08 52 16 00-0611	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,939.56 346.82	102.73
08 52 16 00-0612			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0496)</small>		
08 52 16 00-0613			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0612)</small>		
08 52 16 00-0614	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,374.55 241.99	82.30
08 52 16 00-0615	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,596.90 283.14	90.60
08 52 16 00-0616			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0612)</small>		
08 52 16 00-0617	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,456.10 257.28	84.86
08 52 16 00-0618	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,666.53 296.05	93.15
08 52 16 00-0619			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0612)</small>		
08 52 16 00-0620	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,401.15 247.05	82.95
08 52 16 00-0621	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,581.93 280.66	89.33
08 52 16 00-0622	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,805.04 321.96	98.26
08 52 16 00-0623			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0612)</small>		
08 52 16 00-0624	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,481.64 261.87	86.77
08 52 16 00-0625	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,668.51 296.70	92.52
08 52 16 00-0626	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,889.62 337.60	100.81
08 52 16 00-0627			48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0612)</small>		
08 52 16 00-0628	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,793.01 319.55	97.62
08 52 16 00-0629	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,014.12 360.46	105.92
08 52 16 00-0630			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0612)</small>		
08 52 16 00-0631	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,876.31 335.19	100.18

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0632	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,097.41 376.10	108.47
08 52 16 00-0633			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0612)		
08 52 16 00-0634	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,997.53 357.65	104.64
08 52 16 00-0635	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,220.64 398.95	113.57
08 52 16 00-0636			Awning Wood Clad Windows (08 52 16)		
			Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0637			Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0636)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0638			Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0637)		
08 52 16 00-0639			17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0640	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	439.70 67.01	52.32
08 52 16 00-0641	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	470.47 72.15	54.88
08 52 16 00-0642	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	495.61 76.41	56.78
08 52 16 00-0643	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	527.52 81.77	59.34
08 52 16 00-0644	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	564.38 87.86	62.53
08 52 16 00-0645	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	621.10 97.17	67.63
08 52 16 00-0646	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	656.69 103.26	70.18
08 52 16 00-0647	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	708.93 111.93	75.29
08 52 16 00-0648	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	729.04 114.67	77.84
08 52 16 00-0649	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	780.73 123.22	82.30
08 52 16 00-0650			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0651	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	463.57 71.02	54.88
08 52 16 00-0652	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	496.75 76.64	57.42
08 52 16 00-0653	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	518.49 80.22	58.70
08 52 16 00-0654	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	553.81 86.26	61.25
08 52 16 00-0655	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	590.66 92.36	65.08
08 52 16 00-0656	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	645.79 101.34	69.55
08 52 16 00-0657	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	681.36 107.43	72.74
08 52 16 00-0658	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	735.21 116.42	76.56
08 52 16 00-0659	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	753.45 118.79	80.40
08 52 16 00-0660	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	806.72 127.66	84.22
08 52 16 00-0661	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,230.68 209.13	93.15
08 52 16 00-0662			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0663	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	493.54 75.99	57.42
08 52 16 00-0664	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	524.31 81.13	59.97
08 52 16 00-0665	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	545.37 84.57	61.25
08 52 16 00-0666	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	581.37 90.75	63.81



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0667	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	618.23	67.63
			<i>For Tempered Clear Insulated Glass, Add</i>	96.85	
08 52 16 00-0668	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	674.94	72.10
			<i>For Tempered Clear Insulated Glass, Add</i>	106.15	
08 52 16 00-0669	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	710.53	75.29
			<i>For Tempered Clear Insulated Glass, Add</i>	112.25	
08 52 16 00-0670	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	764.37	79.12
			<i>For Tempered Clear Insulated Glass, Add</i>	121.23	
08 52 16 00-0671	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	780.73	82.95
			<i>For Tempered Clear Insulated Glass, Add</i>	123.22	
08 52 16 00-0672	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	832.36	86.77
			<i>For Tempered Clear Insulated Glass, Add</i>	131.76	
08 52 16 00-0673	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,294.28	95.70
			<i>For Tempered Clear Insulated Glass, Add</i>	220.83	
08 52 16 00-0674			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0638)</small>		
08 52 16 00-0675	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	493.83	59.97
			<i>For Tempered Clear Insulated Glass, Add</i>	75.03	
08 52 16 00-0676	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	540.65	62.53
			<i>For Tempered Clear Insulated Glass, Add</i>	83.37	
08 52 16 00-0677	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	570.87	63.81
			<i>For Tempered Clear Insulated Glass, Add</i>	88.65	
08 52 16 00-0678	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	626.57	66.36
			<i>For Tempered Clear Insulated Glass, Add</i>	98.77	
08 52 16 00-0679	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	682.69	70.18
			<i>For Tempered Clear Insulated Glass, Add</i>	108.72	
08 52 16 00-0680	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	765.07	74.65
			<i>For Tempered Clear Insulated Glass, Add</i>	123.15	
08 52 16 00-0681	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	818.30	77.84
			<i>For Tempered Clear Insulated Glass, Add</i>	132.78	
08 52 16 00-0682	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	899.41	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	147.21	
08 52 16 00-0683	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	929.95	85.49
			<i>For Tempered Clear Insulated Glass, Add</i>	152.05	
08 52 16 00-0684	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,008.57	89.33
			<i>For Tempered Clear Insulated Glass, Add</i>	165.98	
08 52 16 00-0685	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,329.43	98.26
			<i>For Tempered Clear Insulated Glass, Add</i>	226.84	
08 52 16 00-0686			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0638)</small>		
08 52 16 00-0687	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	570.87	63.81
			<i>For Tempered Clear Insulated Glass, Add</i>	88.65	
08 52 16 00-0688	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	603.27	65.71
			<i>For Tempered Clear Insulated Glass, Add</i>	94.37	
08 52 16 00-0689	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	647.82	68.27
			<i>For Tempered Clear Insulated Glass, Add</i>	102.26	
08 52 16 00-0690	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	697.73	71.46
			<i>For Tempered Clear Insulated Glass, Add</i>	110.96	
08 52 16 00-0691	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	770.52	76.56
			<i>For Tempered Clear Insulated Glass, Add</i>	123.48	
08 52 16 00-0692	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	820.51	79.12
			<i>For Tempered Clear Insulated Glass, Add</i>	132.46	
08 52 16 00-0693	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	892.03	84.22
			<i>For Tempered Clear Insulated Glass, Add</i>	144.97	
08 52 16 00-0694	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	941.94	86.77
			<i>For Tempered Clear Insulated Glass, Add</i>	153.68	
08 52 16 00-0695	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,014.81	91.24
			<i>For Tempered Clear Insulated Glass, Add</i>	166.47	
08 52 16 00-0696	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	1,415.98	99.53
			<i>For Tempered Clear Insulated Glass, Add</i>	243.38	
08 52 16 00-0697			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0638)</small>		
08 52 16 00-0698	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	647.82	68.27
			<i>For Tempered Clear Insulated Glass, Add</i>	102.26	
08 52 16 00-0699	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	710.90	70.82
			<i>For Tempered Clear Insulated Glass, Add</i>	113.85	
08 52 16 00-0700	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	767.00	74.01
			<i>For Tempered Clear Insulated Glass, Add</i>	123.79	
08 52 16 00-0701	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	849.39	79.12
			<i>For Tempered Clear Insulated Glass, Add</i>	138.23	
08 52 16 00-0702	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	904.22	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	148.18	
08 52 16 00-0703	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	983.73	86.77
			<i>For Tempered Clear Insulated Glass, Add</i>	162.29	
08 52 16 00-0704	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series).....	864.45	89.33
			<i>For Tempered Clear Insulated Glass, Add</i>	137.16	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0705 EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	927.23 147.93	93.79
08 52 16 00-0706 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0707 EA 35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	757.38 121.87	74.01
08 52 16 00-0708 EA 40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	850.38 139.19	77.84
08 52 16 00-0709 48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0710 EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	897.51 147.86	79.12
08 52 16 00-0711 EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	992.12 165.50	82.95
08 52 16 00-0712 EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,130.64 191.16	87.41
08 52 16 00-0713 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0714 EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,106.89 186.92	86.14
08 52 16 00-0715 EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,189.88 202.25	89.33
08 52 16 00-0716 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0638)		
08 52 16 00-0717 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,207.77 206.84	86.77
08 52 16 00-0718 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,251.04 212.69	93.79
08 52 16 00-0719 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,382.04 237.62	96.99
08 52 16 00-0720 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,516.59 262.48	102.08
08 52 16 00-0721 Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0637)		
08 52 16 00-0722 17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)		
08 52 16 00-0723 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	389.98 57.07	52.32
08 52 16 00-0724 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	419.14 61.88	54.88
08 52 16 00-0725 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	438.48 64.98	56.78
08 52 16 00-0726 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	469.77 70.22	59.34
08 52 16 00-0727 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	503.43 75.67	62.53
08 52 16 00-0728 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	555.33 84.01	67.63
08 52 16 00-0729 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	586.11 89.15	70.18
08 52 16 00-0730 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	635.14 97.17	75.29
08 52 16 00-0731 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	668.80 102.62	77.84
08 52 16 00-0732 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	717.83 110.64	82.30
08 52 16 00-0733 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0721)		
08 52 16 00-0734 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	413.05 60.92	54.88
08 52 16 00-0735 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	442.21 65.73	57.42
08 52 16 00-0736 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	459.99 68.52	58.70
08 52 16 00-0737 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	494.46 74.39	61.25
08 52 16 00-0738 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	528.10 79.84	65.08
08 52 16 00-0739 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	578.42 87.86	69.55



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0740 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	610.78	72.74
For Tempered Clear Insulated Glass, Add	93.32	
08 52 16 00-0741 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	658.22	76.56
For Tempered Clear Insulated Glass, Add	101.02	
08 52 16 00-0742 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	693.47	80.40
For Tempered Clear Insulated Glass, Add	106.79	
08 52 16 00-0743 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	740.90	84.22
For Tempered Clear Insulated Glass, Add	114.49	
08 52 16 00-0744 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0721)</small>		
08 52 16 00-0745 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	439.01	57.42
For Tempered Clear Insulated Glass, Add	65.09	
08 52 16 00-0746 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	468.17	59.97
For Tempered Clear Insulated Glass, Add	69.90	
08 52 16 00-0747 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	484.15	61.25
For Tempered Clear Insulated Glass, Add	72.33	
08 52 16 00-0748 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	518.81	63.81
For Tempered Clear Insulated Glass, Add	78.24	
08 52 16 00-0749 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	552.46	67.63
For Tempered Clear Insulated Glass, Add	83.69	
08 52 16 00-0750 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	602.76	72.10
For Tempered Clear Insulated Glass, Add	91.71	
08 52 16 00-0751 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	635.14	75.29
For Tempered Clear Insulated Glass, Add	97.17	
08 52 16 00-0752 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	684.17	79.12
For Tempered Clear Insulated Glass, Add	105.19	
08 52 16 00-0753 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	717.83	82.95
For Tempered Clear Insulated Glass, Add	110.64	
08 52 16 00-0754 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	766.86	86.77
For Tempered Clear Insulated Glass, Add	118.66	
08 52 16 00-0755 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0721)</small>		
08 52 16 00-0756 EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	442.50	59.97
For Tempered Clear Insulated Glass, Add	64.77	
08 52 16 00-0757 EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	481.30	62.53
For Tempered Clear Insulated Glass, Add	71.50	
08 52 16 00-0758 EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	502.85	63.81
For Tempered Clear Insulated Glass, Add	75.05	
08 52 16 00-0759 EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	523.91	66.36
For Tempered Clear Insulated Glass, Add	78.24	
08 52 16 00-0760 EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	596.07	70.18
For Tempered Clear Insulated Glass, Add	91.39	
08 52 16 00-0761 EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	662.41	74.65
For Tempered Clear Insulated Glass, Add	102.62	
08 52 16 00-0762 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	706.02	77.84
For Tempered Clear Insulated Glass, Add	110.32	
08 52 16 00-0763 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	771.09	81.67
For Tempered Clear Insulated Glass, Add	121.55	
08 52 16 00-0764 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	817.57	85.49
For Tempered Clear Insulated Glass, Add	129.57	
08 52 16 00-0765 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	882.64	89.33
For Tempered Clear Insulated Glass, Add	140.80	
08 52 16 00-0766 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0721)</small>		
08 52 16 00-0767 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	502.85	63.81
For Tempered Clear Insulated Glass, Add	75.05	
08 52 16 00-0768 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	529.81	65.71
For Tempered Clear Insulated Glass, Add	79.67	
08 52 16 00-0769 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	566.20	68.27
For Tempered Clear Insulated Glass, Add	85.93	
08 52 16 00-0770 EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	607.95	71.46
For Tempered Clear Insulated Glass, Add	93.01	
08 52 16 00-0771 EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	668.49	76.56
For Tempered Clear Insulated Glass, Add	103.07	
08 52 16 00-0772 EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	708.96	79.12
For Tempered Clear Insulated Glass, Add	110.15	
08 52 16 00-0773 EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	768.24	84.22
For Tempered Clear Insulated Glass, Add	120.21	
08 52 16 00-0774 EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	808.63	86.77
For Tempered Clear Insulated Glass, Add	127.02	
08 52 16 00-0775 EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	867.89	91.24
For Tempered Clear Insulated Glass, Add	137.08	
08 52 16 00-0776 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0721)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0777	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	566.20	68.27
			<i>For Tempered Clear Insulated Glass, Add</i>	85.93	
08 52 16 00-0778	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	619.47	70.82
			<i>For Tempered Clear Insulated Glass, Add</i>	95.56	
08 52 16 00-0779	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	664.35	74.01
			<i>For Tempered Clear Insulated Glass, Add</i>	103.26	
08 52 16 00-0780	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	732.29	79.12
			<i>For Tempered Clear Insulated Glass, Add</i>	114.81	
08 52 16 00-0781	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	775.90	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	122.51	
08 52 16 00-0782	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	840.97	86.77
			<i>For Tempered Clear Insulated Glass, Add</i>	133.74	
08 52 16 00-0783	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	885.85	89.33
			<i>For Tempered Clear Insulated Glass, Add</i>	141.44	
08 52 16 00-0784	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	950.93	93.79
			<i>For Tempered Clear Insulated Glass, Add</i>	152.67	
08 52 16 00-0785			Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0636)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0786			Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0785)</small>		
08 52 16 00-0787			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0788	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	519.10	52.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.89	
08 52 16 00-0789	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	556.28	54.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.31	
08 52 16 00-0790	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	586.76	56.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.64	
08 52 16 00-0791	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	625.36	59.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.34	
08 52 16 00-0792	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	669.85	62.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.96	
08 52 16 00-0793	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	738.19	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.59	
08 52 16 00-0794	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	781.40	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.21	
08 52 16 00-0795	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	844.47	75.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.03	
08 52 16 00-0796	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	868.01	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	142.46	
08 52 16 00-0797	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	930.39	82.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	153.15	
08 52 16 00-0798			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0799	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	547.98	54.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.90	
08 52 16 00-0800	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	588.18	57.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.92	
08 52 16 00-0801	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	614.40	58.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.40	
08 52 16 00-0802	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	657.27	61.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.95	
08 52 16 00-0803	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	701.74	65.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.57	
08 52 16 00-0804	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	768.10	69.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.80	
08 52 16 00-0805	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	811.29	72.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.42	
08 52 16 00-0806	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	876.37	76.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.65	
08 52 16 00-0807	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	897.57	80.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.61	
08 52 16 00-0808	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	961.93	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.70	
08 52 16 00-0809	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,487.72	93.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	260.54	
08 52 16 00-0810			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0811	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	584.17	57.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.12	
08 52 16 00-0812	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	621.35	59.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.54	
08 52 16 00-0813	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	646.71	61.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.84	
08 52 16 00-0814	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	690.44	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0815	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	734.92	67.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.19	
08 52 16 00-0816	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	803.27	72.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	131.82	
08 52 16 00-0817	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	846.47	75.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.43	
08 52 16 00-0818	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	911.54	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.66	
08 52 16 00-0819	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	930.39	82.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	153.15	
08 52 16 00-0820	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	992.70	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.83	
08 52 16 00-0821	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,565.96	95.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	275.16	
08 52 16 00-0822			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0823	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	583.26	59.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.92	
08 52 16 00-0824	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	640.50	62.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.34	
08 52 16 00-0825	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	677.32	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.94	
08 52 16 00-0826	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	745.67	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.59	
08 52 16 00-0827	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	814.22	70.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.02	
08 52 16 00-0828	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	914.64	74.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	153.07	
08 52 16 00-0829	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	979.90	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.10	
08 52 16 00-0830	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,079.06	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.14	
08 52 16 00-0831	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,115.64	85.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	189.18	
08 52 16 00-0832	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,386.30	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	241.53	
08 52 16 00-0833	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,608.62	98.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	282.68	
08 52 16 00-0834			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0835	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	677.32	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.94	
08 52 16 00-0836	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	716.86	65.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.08	
08 52 16 00-0837	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	771.28	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.95	
08 52 16 00-0838	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	832.07	71.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	137.83	
08 52 16 00-0839	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	920.50	76.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	153.47	
08 52 16 00-0840	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	981.72	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	164.70	
08 52 16 00-0841	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,068.88	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.34	
08 52 16 00-0842	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,129.68	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	191.23	
08 52 16 00-0843	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,218.53	91.24
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.21	
08 52 16 00-0844	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,715.85	99.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	303.36	
08 52 16 00-0845			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0846	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	771.28	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.95	
08 52 16 00-0847	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	848.85	70.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.44	
08 52 16 00-0848	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	917.38	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	153.87	
08 52 16 00-0849	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,017.81	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.92	
08 52 16 00-0850	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,085.08	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.35	
08 52 16 00-0851	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,182.23	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	201.99	
08 52 16 00-0852	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,031.53	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	170.58	

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0853 EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,107.78 184.04	93.79
08 52 16 00-0854 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0855 EA 35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	898.97 151.46	74.01
08 52 16 00-0856 EA 40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,023.83 173.12	79.12
08 52 16 00-0857 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0858 EA 35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,077.96 183.95	79.12
08 52 16 00-0859 EA 40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,194.63 206.00	82.95
08 52 16 00-0860 EA 48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,365.23 238.08	87.41
08 52 16 00-0861 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0862 EA 35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,336.19 232.78	86.14
08 52 16 00-0863 EA 40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,438.33 251.94	89.33
08 52 16 00-0864 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0865 EA 24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,461.96 257.68	86.77
08 52 16 00-0866 EA 35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,512.54 264.99	93.79
08 52 16 00-0867 EA 40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,674.70 296.15	96.99
08 52 16 00-0868 EA 48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,840.32 327.23	102.08
08 52 16 00-0869 Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0785)		
08 52 16 00-0870 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0869)		
08 52 16 00-0871 EA 24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	456.94 70.46	52.32
08 52 16 00-0872 EA 28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	492.12 76.48	54.88
08 52 16 00-0873 EA 31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	515.34 80.35	56.78
08 52 16 00-0874 EA 35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	553.18 86.90	59.34
08 52 16 00-0875 EA 40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	593.66 93.72	62.53
08 52 16 00-0876 EA 48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	655.99 104.15	67.63
08 52 16 00-0877 EA 52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	693.18 110.56	70.18
08 52 16 00-0878 EA 59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.23 120.59	75.29
08 52 16 00-0879 EA 64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	792.71 127.40	77.84
08 52 16 00-0880 EA 71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	851.77 137.43	82.30
08 52 16 00-0881 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0869)		
08 52 16 00-0882 EA 24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	484.83 75.27	54.88
08 52 16 00-0883 EA 28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	520.01 81.29	57.42
08 52 16 00-0884 EA 31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	541.28 84.78	58.70
08 52 16 00-0885 EA 35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	583.09 92.12	61.25
08 52 16 00-0886 EA 40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.54 98.93	65.08
08 52 16 00-0887 EA 48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	683.89 108.96	69.55



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0888 EA 52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	723.06	72.74
For Tempered Low-E Insulated Glass, Add	115.77	
08 52 16 00-0889 EA 59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	780.12	76.56
For Tempered Low-E Insulated Glass, Add	125.40	
08 52 16 00-0890 EA 64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	822.60	80.40
For Tempered Low-E Insulated Glass, Add	132.62	
08 52 16 00-0891 EA 71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	879.65	84.22
For Tempered Low-E Insulated Glass, Add	142.24	
08 52 16 00-0892 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0869)</small>		
08 52 16 00-0893 EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	516.00	57.42
For Tempered Low-E Insulated Glass, Add	80.49	
08 52 16 00-0894 EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	551.18	59.97
For Tempered Low-E Insulated Glass, Add	86.50	
08 52 16 00-0895 EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	570.19	61.25
For Tempered Low-E Insulated Glass, Add	89.54	
08 52 16 00-0896 EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	612.25	63.81
For Tempered Low-E Insulated Glass, Add	96.93	
08 52 16 00-0897 EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	652.71	67.63
For Tempered Low-E Insulated Glass, Add	103.74	
08 52 16 00-0898 EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	713.04	72.10
For Tempered Low-E Insulated Glass, Add	113.77	
08 52 16 00-0899 EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	752.23	75.29
For Tempered Low-E Insulated Glass, Add	120.59	
08 52 16 00-0900 EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	811.29	79.12
For Tempered Low-E Insulated Glass, Add	130.61	
08 52 16 00-0901 EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	851.77	82.95
For Tempered Low-E Insulated Glass, Add	137.43	
08 52 16 00-0902 EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	910.82	86.77
For Tempered Low-E Insulated Glass, Add	147.45	
08 52 16 00-0903 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0869)</small>		
08 52 16 00-0904 EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	519.09	59.97
For Tempered Low-E Insulated Glass, Add	80.08	
08 52 16 00-0905 EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	566.31	62.53
For Tempered Low-E Insulated Glass, Add	88.51	
08 52 16 00-0906 EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	592.30	63.81
For Tempered Low-E Insulated Glass, Add	92.94	
08 52 16 00-0907 EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	617.35	66.36
For Tempered Low-E Insulated Glass, Add	96.93	
08 52 16 00-0908 EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	705.94	70.18
For Tempered Low-E Insulated Glass, Add	113.37	
08 52 16 00-0909 EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	786.32	74.65
For Tempered Low-E Insulated Glass, Add	127.40	
08 52 16 00-0910 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	839.55	77.84
For Tempered Low-E Insulated Glass, Add	137.03	
08 52 16 00-0911 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	918.66	81.67
For Tempered Low-E Insulated Glass, Add	151.06	
08 52 16 00-0912 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	975.16	85.49
For Tempered Low-E Insulated Glass, Add	161.09	
08 52 16 00-0913 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,054.27	89.33
For Tempered Low-E Insulated Glass, Add	175.12	
08 52 16 00-0914 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0869)</small>		
08 52 16 00-0915 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	592.30	63.81
For Tempered Low-E Insulated Glass, Add	92.94	
08 52 16 00-0916 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	625.04	65.71
For Tempered Low-E Insulated Glass, Add	98.72	
08 52 16 00-0917 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	669.25	68.27
For Tempered Low-E Insulated Glass, Add	106.54	
08 52 16 00-0918 EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	719.84	71.46
For Tempered Low-E Insulated Glass, Add	115.38	
08 52 16 00-0919 EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	792.97	76.56
For Tempered Low-E Insulated Glass, Add	127.97	
08 52 16 00-0920 EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	842.28	79.12
For Tempered Low-E Insulated Glass, Add	136.81	
08 52 16 00-0921 EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	914.14	84.22
For Tempered Low-E Insulated Glass, Add	149.39	
08 52 16 00-0922 EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	963.03	86.77
For Tempered Low-E Insulated Glass, Add	157.90	
08 52 16 00-0923 EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,034.88	91.24
For Tempered Low-E Insulated Glass, Add	170.48	
08 52 16 00-0924 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0869)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0925 EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	669.25 106.54	68.27
08 52 16 00-0926 EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	734.56 118.58	70.82
08 52 16 00-0927 EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	789.06 128.21	74.01
08 52 16 00-0928 EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	871.44 142.64	79.12
08 52 16 00-0929 EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	924.67 152.27	81.67
08 52 16 00-0930 EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,003.78 166.30	86.77
08 52 16 00-0931 EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,058.28 175.93	89.33
08 52 16 00-0932 EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,137.40 189.96	93.79
08 52 16 00-0933 Horizontal Sliding Wood Clad Windows (08 52 16) Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0934 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0933) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0935 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0936 EA 47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	545.76 82.35	67.63
08 52 16 00-0937 23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0938 EA 35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	502.47 75.23	62.53
08 52 16 00-0939 EA 47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	587.07 89.08	71.46
08 52 16 00-0940 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0941 EA 35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	587.07 89.08	71.46
08 52 16 00-0942 EA 47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	671.67 102.94	79.12
08 52 16 00-0943 EA 59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	756.27 116.80	86.14
08 52 16 00-0944 EA 71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	840.88 130.66	93.79
08 52 16 00-0945 41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0946 EA 35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	630.36 96.21	75.29
08 52 16 00-0947 EA 47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	712.99 109.67	82.95
08 52 16 00-0948 EA 59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	797.59 123.53	89.96
08 52 16 00-0949 EA 71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	951.47 151.25	97.62
08 52 16 00-0950 47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0951 EA 35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	671.67 102.94	79.12
08 52 16 00-0952 EA 47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	756.27 116.80	86.77
08 52 16 00-0953 EA 59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	840.88 130.66	93.79
08 52 16 00-0954 EA 71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	925.47 144.52	101.45
08 52 16 00-0955 53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0934)		
08 52 16 00-0956 EA 47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	797.59 123.53	90.60



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0957	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	882.18 137.39	97.62
08 52 16 00-0958	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	966.78 151.25	105.28
08 52 16 00-0959			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0934)</small>		
08 52 16 00-0960	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	840.88 130.66	94.43
08 52 16 00-0961	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	925.47 144.52	101.45
08 52 16 00-0962	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,010.23 158.40	109.11
08 52 16 00-0963			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0933)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0964			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0963)</small>		
08 52 16 00-0965	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,197.12 214.16	62.53
08 52 16 00-0966	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,424.27 256.52	71.46
08 52 16 00-0967			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0963)</small>		
08 52 16 00-0968	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,442.09 260.09	71.46
08 52 16 00-0969	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,671.20 302.85	79.12
08 52 16 00-0970	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,898.33 345.21	86.14
08 52 16 00-0971	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,125.48 387.58	93.79
08 52 16 00-0972			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0963)</small>		
08 52 16 00-0973	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,556.64 281.47	75.29
08 52 16 00-0974	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,783.78 323.83	82.95
08 52 16 00-0975	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,012.90 366.59	89.96
08 52 16 00-0976	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,240.03 408.96	97.62
08 52 16 00-0977			47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0963)</small>		
08 52 16 00-0978	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,671.20 302.85	79.12
08 52 16 00-0979	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,898.33 345.21	86.77
08 52 16 00-0980	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,125.48 387.58	93.79
08 52 16 00-0981	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,354.58 430.34	101.45
08 52 16 00-0982			59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0963)</small>		
08 52 16 00-0983	EA		35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,898.33 345.21	86.77
08 52 16 00-0984	EA		47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,125.48 387.58	94.43
08 52 16 00-0985	EA		59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,354.58 430.34	101.45
08 52 16 00-0986	EA		71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,581.73 472.70	109.11
08 52 16 00-0987			Picture Wood Clad Windows <small>(08 52 16)</small> Note: Picture windows are fixed windows.		
08 52 16 00-0988			Picture Wood Clad Windows For Awning And Casement Windows <small>(08 52 16 00-0987)</small>		

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0989	Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0988)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0990	12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-0991	EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	428.75 65.33	51.04
08 52 16 00-0992	EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	500.84 77.71	56.15
08 52 16 00-0993	EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	531.85 82.89	58.70
08 52 16 00-0994	EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	576.76 90.09	63.81
08 52 16 00-0995	EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	607.60 94.98	66.36
08 52 16 00-0996	EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	652.52 102.17	71.46
08 52 16 00-0997	35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-0998	EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	477.49 70.49	62.53
08 52 16 00-0999	EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	550.45 83.80	66.36
08 52 16 00-1000	EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	658.11 103.29	70.82
08 52 16 00-1001	EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	728.17 116.28	73.37
08 52 16 00-1002	EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	832.93 135.45	77.84
08 52 16 00-1003	EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	905.89 148.77	81.03
08 52 16 00-1004	EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,335.47 232.89	85.49
08 52 16 00-1005	40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-1006	EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	550.45 83.80	66.36
08 52 16 00-1007	EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	623.42 97.12	68.91
08 52 16 00-1008	EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	731.08 116.61	74.01
08 52 16 00-1009	EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	801.14 129.60	76.56
08 52 16 00-1010	EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	905.89 148.77	81.67
08 52 16 00-1011	EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	978.86 162.08	84.22
08 52 16 00-1012	EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,083.61 181.25	89.33
08 52 16 00-1013	48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-1014	EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	658.11 103.29	71.46
08 52 16 00-1015	EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	731.08 116.61	74.01
08 52 16 00-1016	EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	838.72 136.10	79.12
08 52 16 00-1017	EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	908.80 149.09	81.67
08 52 16 00-1018	EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,013.55 168.26	86.77
08 52 16 00-1019	EA 64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,086.51 181.57	89.33
08 52 16 00-1020	EA 71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,191.27 200.74	94.43
08 52 16 00-1021	52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-1022	EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	728.17 116.28	74.01
08 52 16 00-1023	EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	801.14 129.60	76.56



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1024	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	908.80	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	149.09	
08 52 16 00-1025	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	978.86	84.22
			<i>For Tempered Clear Insulated Glass, Add</i>	162.08	
08 52 16 00-1026	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,083.61	89.33
			<i>For Tempered Clear Insulated Glass, Add</i>	181.25	
08 52 16 00-1027	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,156.59	91.88
			<i>For Tempered Clear Insulated Glass, Add</i>	194.57	
08 52 16 00-1028	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,357.16	96.99
			<i>For Tempered Clear Insulated Glass, Add</i>	232.89	
08 52 16 00-1029			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-1030	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	832.93	77.84
			<i>For Tempered Clear Insulated Glass, Add</i>	135.45	
08 52 16 00-1031	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	905.89	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	148.77	
08 52 16 00-1032	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,013.55	86.14
			<i>For Tempered Clear Insulated Glass, Add</i>	168.26	
08 52 16 00-1033	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,083.61	88.69
			<i>For Tempered Clear Insulated Glass, Add</i>	181.25	
08 52 16 00-1034	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,188.36	93.15
			<i>For Tempered Clear Insulated Glass, Add</i>	200.41	
08 52 16 00-1035	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,261.34	96.34
			<i>For Tempered Clear Insulated Glass, Add</i>	213.73	
08 52 16 00-1036	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,366.09	100.81
			<i>For Tempered Clear Insulated Glass, Add</i>	232.89	
08 52 16 00-1037			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-1038	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	905.89	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	148.77	
08 52 16 00-1039	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	978.86	84.22
			<i>For Tempered Clear Insulated Glass, Add</i>	162.08	
08 52 16 00-1040	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,086.51	89.33
			<i>For Tempered Clear Insulated Glass, Add</i>	181.57	
08 52 16 00-1041	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,156.59	91.88
			<i>For Tempered Clear Insulated Glass, Add</i>	194.57	
08 52 16 00-1042	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,357.16	96.99
			<i>For Tempered Clear Insulated Glass, Add</i>	232.89	
08 52 16 00-1043			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0989)</small>		
08 52 16 00-1044	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,010.65	85.49
			<i>For Tempered Clear Insulated Glass, Add</i>	167.93	
08 52 16 00-1045	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,083.61	89.33
			<i>For Tempered Clear Insulated Glass, Add</i>	181.25	
08 52 16 00-1046	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,191.27	93.79
			<i>For Tempered Clear Insulated Glass, Add</i>	200.74	
08 52 16 00-1047	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,261.34	96.34
			<i>For Tempered Clear Insulated Glass, Add</i>	213.73	
08 52 16 00-1048	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,366.09	100.81
			<i>For Tempered Clear Insulated Glass, Add</i>	232.89	
08 52 16 00-1049			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0988)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1050			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-1049)</small>		
08 52 16 00-1051	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	505.37	51.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.66	
08 52 16 00-1052	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	591.98	56.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.94	
08 52 16 00-1053	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	629.07	58.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.33	
08 52 16 00-1054	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	682.41	63.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.22	
08 52 16 00-1055	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	718.99	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.26	
08 52 16 00-1056	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	772.35	71.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.14	
08 52 16 00-1057			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-1049)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1058	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	560.15	62.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.02	
08 52 16 00-1059	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	648.74	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.46	
08 52 16 00-1060	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	779.25	70.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.52	
08 52 16 00-1061	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	864.56	73.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.56	
08 52 16 00-1062	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	991.79	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.22	
08 52 16 00-1063	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,080.37	81.03
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.66	
08 52 16 00-1064	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,608.62	85.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	287.52	
08 52 16 00-1065			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)		
08 52 16 00-1066	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	648.74	66.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.46	
08 52 16 00-1067	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	737.33	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.90	
08 52 16 00-1068	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	867.84	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.96	
08 52 16 00-1069	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	953.14	76.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-1070	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,080.37	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.66	
08 52 16 00-1071	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,168.96	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.10	
08 52 16 00-1072	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,296.18	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	223.76	
08 52 16 00-1073			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)		
08 52 16 00-1074	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	779.25	71.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.52	
08 52 16 00-1075	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	867.84	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.96	
08 52 16 00-1076	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	998.34	79.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	168.02	
08 52 16 00-1077	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,083.66	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.06	
08 52 16 00-1078	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,210.88	86.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.72	
08 52 16 00-1079	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,299.47	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	224.16	
08 52 16 00-1080	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,426.71	94.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	247.82	
08 52 16 00-1081			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)		
08 52 16 00-1082	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	864.56	74.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.56	
08 52 16 00-1083	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	953.14	76.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-1084	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,083.66	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.06	
08 52 16 00-1085	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,168.96	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.10	
08 52 16 00-1086	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,296.18	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	223.76	
08 52 16 00-1087	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,384.78	91.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	240.20	
08 52 16 00-1088	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,630.31	96.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	287.52	
08 52 16 00-1089			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-1049)		
08 52 16 00-1090	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	991.79	77.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.22	
08 52 16 00-1091	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,080.37	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.66	
08 52 16 00-1092	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,210.88	86.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.72	
08 52 16 00-1093	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,296.18	88.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	223.76	
08 52 16 00-1094	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,423.41	93.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	247.42	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1095	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,512.01	96.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	263.86	
08 52 16 00-1096	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,639.24	100.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	287.52	
08 52 16 00-1097			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-1049)</small>		
08 52 16 00-1098	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,080.37	81.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.66	
08 52 16 00-1099	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,168.96	84.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.10	
08 52 16 00-1100	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,299.47	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	224.16	
08 52 16 00-1101	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,384.78	91.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	240.20	
08 52 16 00-1102	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,630.31	96.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	287.52	
08 52 16 00-1103			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-1049)</small>		
08 52 16 00-1104	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,207.61	85.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.32	
08 52 16 00-1105	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,296.18	89.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	223.76	
08 52 16 00-1106	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,426.71	93.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	247.82	
08 52 16 00-1107	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,512.01	96.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	263.86	
08 52 16 00-1108	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,639.24	100.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	287.52	
08 52 16 00-1109			Picture Wood Clad Windows For Double Hung Windows <small>(08 52 16 00-0987)</small>		
08 52 16 00-1110			Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-1109)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1111			35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-1110)</small>		
08 52 16 00-1112	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	612.55	79.75
			<i>For Tempered Clear Insulated Glass, Add</i>	90.61	
08 52 16 00-1113	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	628.81	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	93.09	
08 52 16 00-1114			47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-1110)</small>		
08 52 16 00-1115	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	628.81	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	93.09	
08 52 16 00-1116	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	762.48	96.99
			<i>For Tempered Clear Insulated Glass, Add</i>	113.70	
08 52 16 00-1117			53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-1110)</small>		
08 52 16 00-1118	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	713.69	91.24
			<i>For Tempered Clear Insulated Glass, Add</i>	106.24	
08 52 16 00-1119	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	729.95	93.15
			<i>For Tempered Clear Insulated Glass, Add</i>	108.73	
08 52 16 00-1120			56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-1110)</small>		
08 52 16 00-1121	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	612.55	80.40
			<i>For Tempered Clear Insulated Glass, Add</i>	90.61	
08 52 16 00-1122	EA		53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	713.69	91.24
			<i>For Tempered Clear Insulated Glass, Add</i>	106.24	
08 52 16 00-1123			59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-1110)</small>		
08 52 16 00-1124	EA		35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	628.81	81.67
			<i>For Tempered Clear Insulated Glass, Add</i>	93.09	
08 52 16 00-1125	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	729.95	93.15
			<i>For Tempered Clear Insulated Glass, Add</i>	108.73	

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1126	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	762.48 113.70	96.99
08 52 16 00-1127	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	796.79 119.03	100.81
08 52 16 00-1128			65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1128)		
08 52 16 00-1129	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	796.79 119.03	100.81
08 52 16 00-1130			71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1130)		
08 52 16 00-1131	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	762.48 113.70	96.99
08 52 16 00-1132			Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1133			48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1133)		
08 52 16 00-1134	EA		12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	676.03 111.22	59.97
08 52 16 00-1135	EA		37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	942.45 158.12	76.56
08 52 16 00-1136	EA		41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	983.09 165.23	78.48
08 52 16 00-1137	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,044.05 175.89	82.30
08 52 16 00-1138	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,084.68 182.99	85.49
08 52 16 00-1139	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,167.73 197.56	89.96
08 52 16 00-1140	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,250.78 212.13	95.70
08 52 16 00-1141			52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1141)		
08 52 16 00-1142	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	718.45 118.68	62.53
08 52 16 00-1143	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	983.09 165.23	79.12
08 52 16 00-1144	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,025.50 172.69	81.03
08 52 16 00-1145	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,084.68 182.99	84.86
08 52 16 00-1146	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,127.09 190.45	88.05
08 52 16 00-1147	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,210.14 205.02	92.52
08 52 16 00-1148	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,293.19 219.59	98.26
08 52 16 00-1149			56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1149)		
08 52 16 00-1150	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	759.08 125.78	65.08
08 52 16 00-1151	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,025.50 172.69	81.67
08 52 16 00-1152	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,066.14 179.79	83.59
08 52 16 00-1153	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,127.09 190.45	87.41
08 52 16 00-1154	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,167.73 197.56	90.60
08 52 16 00-1155	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,250.78 212.13	95.07
08 52 16 00-1156	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,335.60 227.05	100.81
08 52 16 00-1157			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1157)		
08 52 16 00-1158	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	801.49 133.25	67.63



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1159	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,066.14 179.79	84.22
08 52 16 00-1160	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,108.55 187.26	86.14
08 52 16 00-1161	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,167.73 197.56	89.96
08 52 16 00-1162	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,210.14 205.02	93.15
08 52 16 00-1163	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,293.19 219.59	97.62
08 52 16 00-1164	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,376.24 234.16	103.36
08 52 16 00-1165 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)					
08 52 16 00-1166	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	842.14 140.35	70.18
08 52 16 00-1167	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,108.55 187.26	86.77
08 52 16 00-1168	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,150.96 194.72	88.69
08 52 16 00-1169	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,210.14 205.02	92.52
08 52 16 00-1170	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,250.78 212.13	95.70
08 52 16 00-1171	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,335.60 227.05	100.18
08 52 16 00-1172	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,418.65 241.62	105.92
08 52 16 00-1173 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)					
08 52 16 00-1174	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	884.54 147.81	72.74
08 52 16 00-1175	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,150.96 194.72	89.33
08 52 16 00-1176	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,191.60 201.82	91.24
08 52 16 00-1177	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,250.78 212.13	95.07
08 52 16 00-1178	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,293.19 219.59	98.26
08 52 16 00-1179	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,376.24 234.16	102.73
08 52 16 00-1180	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,459.29 248.73	108.47
08 52 16 00-1181 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)					
08 52 16 00-1182	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	925.19 154.92	75.29
08 52 16 00-1183	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,191.60 201.82	91.88
08 52 16 00-1184	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,234.02 209.29	93.79
08 52 16 00-1185	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,293.19 219.59	97.62
08 52 16 00-1186	EA		51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,335.60 227.05	100.81
08 52 16 00-1187	EA		59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,418.65 241.62	105.28
08 52 16 00-1188	EA		67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,501.71 256.19	111.02
08 52 16 00-1189 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)					
08 52 16 00-1190	EA		12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	967.61 162.38	77.84
08 52 16 00-1191	EA		37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,234.02 209.29	94.43
08 52 16 00-1192	EA		41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,274.65 216.39	96.34
08 52 16 00-1193	EA		47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,335.60 227.05	100.18
08 52 16 00-1194	EA		51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,376.24 234.16	103.36
08 52 16 00-1195	EA		59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,459.29 248.73	107.82

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-1196	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>		1,542.35 263.30	113.57
08 52 16 00-1197		Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0987)			
08 52 16 00-1198		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1197) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-1199		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)			
08 52 16 00-1200	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		612.55 90.61	79.75
08 52 16 00-1201	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		628.81 93.09	81.67
08 52 16 00-1202		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)			
08 52 16 00-1203	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		628.81 93.09	81.67
08 52 16 00-1204	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		762.48 113.70	96.99
08 52 16 00-1205		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)			
08 52 16 00-1206	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		713.69 106.24	91.24
08 52 16 00-1207	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		729.95 108.73	93.15
08 52 16 00-1208		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)			
08 52 16 00-1209	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		612.55 90.61	80.40
08 52 16 00-1210	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		713.69 106.24	91.24
08 52 16 00-1211		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)			
08 52 16 00-1212	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		628.81 93.09	81.67
08 52 16 00-1213	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		729.95 108.73	93.15
08 52 16 00-1214	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		762.48 113.70	96.99
08 52 16 00-1215	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		796.79 119.03	100.81
08 52 16 00-1216		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)			
08 52 16 00-1217	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		796.79 119.03	100.81
08 52 16 00-1218		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)			
08 52 16 00-1219	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>		762.48 113.70	96.99
08 52 16 00-1220		Basement Wood Clad Windows (08 52 16) Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.			
08 52 16 00-1221		Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1220) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.			
08 52 16 00-1222	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)		326.44	51.04
08 52 16 00-1223	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)		343.29	51.04
08 52 16 00-1224	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)		358.12	51.04
08 52 16 00-1225		Factory Installed Grilles For Wood Clad Windows (08 52 16)			



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<p>08 52 16 00-1226 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1225)</small></p> <p>08 52 16 00-1227 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 43.84</p> <p>08 52 16 00-1228 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 64.60</p> <p>08 52 16 00-1229 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 87.68</p> <p>08 52 16 00-1230 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 110.75</p> <p>08 52 16 00-1231 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 156.90</p> <p>08 52 16 00-1232 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1225)</small></p> <p>08 52 16 00-1233 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 70.14</p> <p>08 52 16 00-1234 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 103.37</p> <p>08 52 16 00-1235 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 140.28</p> <p>08 52 16 00-1236 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 177.20</p> <p>08 52 16 00-1237 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows 251.03</p> <p>08 52 16 00-1238 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1225)</small></p> <p>08 52 16 00-1239 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows 84.17</p> <p>08 52 16 00-1240 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows 124.04</p> <p>08 52 16 00-1241 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows 168.34</p> <p>08 52 16 00-1242 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows 212.64</p> <p>08 52 16 00-1243 EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows 301.24</p> <p>08 52 16 00-1244 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1225)</small></p> <p>08 52 16 00-1245 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows 101.01</p> <p>08 52 16 00-1246 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows 148.84</p> <p>08 52 16 00-1247 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows 202.00</p> <p>08 52 16 00-1248 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows 255.16</p> <p>08 52 16 00-1249 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows 361.48</p> <p>08 52 66 Wood Window Screens <small>(08 52)</small></p> <p>08 52 66 00-0001 Insect Screens For Wood Clad Windows <small>(08 52 66)</small></p> <p>08 52 66 00-0002 EA Up To 6 SF, Insect Screen For Wood Clad Windows 41.91 9.00</p> <p>08 52 66 00-0003 EA >6 To 9 SF, Insect Screen For Wood Clad Windows 48.74 9.00</p> <p>08 52 66 00-0004 EA >9 To 12 SF, Insect Screen For Wood Clad Windows 52.16 9.00</p> <p>08 52 66 00-0005 EA >12 To 15 SF, Insect Screen For Wood Clad Windows 58.99 9.00</p> <p>08 52 66 00-0006 EA >15 To 20 SF, Insect Screen For Wood Clad Windows 72.65 9.00</p> <p>08 52 66 00-0007 EA >20 To 25 SF, Insect Screen For Wood Clad Windows 79.48 9.00</p> <p>08 52 66 00-0008 EA >25 To 30 SF, Insect Screen For Wood Clad Windows 86.31 9.00</p> <p>08 52 66 00-0009 EA >30 To 35 SF, Insect Screen For Wood Clad Windows 93.14 9.00</p> <p>08 52 66 00-0010 SF >35 SF, Insect Screen For Wood Clad Windows 2.79 0.18</p> <p>08 53 Plastic Windows <small>(08 50)</small></p> <p>08 53 13 Vinyl Windows <small>(08 53)</small></p> <p>08 53 13 00-0001 Single Hung Vinyl Windows <small>(08 53 13)</small></p> <p>08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0001)</small> Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.</p> <p>08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small></p> <p>08 53 13 00-0004 EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) 340.05 58.70 For Colored Vinyl, Add 22.27 For Tinted Glass, Add 26.72 For Low-E Insulated Glass, Add 55.66 For Obscure Glass, Add 61.23</p>
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08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0005 EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	357.57	61.25
For Colored Vinyl, Add	23.51	
For Tinted Glass, Add	28.21	
For Low-E Insulated Glass, Add	58.77	
For Obscure Glass, Add	64.64	
08 53 13 00-0006 EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	364.91	62.53
For Colored Vinyl, Add	23.99	
For Tinted Glass, Add	28.78	
For Low-E Insulated Glass, Add	59.96	
For Obscure Glass, Add	65.96	
08 53 13 00-0007 EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	372.88	63.81
For Colored Vinyl, Add	24.53	
For Tinted Glass, Add	29.43	
For Low-E Insulated Glass, Add	61.32	
For Obscure Glass, Add	67.45	
08 53 13 00-0008 EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	393.16	66.36
For Colored Vinyl, Add	26.05	
For Tinted Glass, Add	31.25	
For Low-E Insulated Glass, Add	65.11	
For Obscure Glass, Add	71.62	
08 53 13 00-0009 EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	426.30	71.46
For Colored Vinyl, Add	28.34	
For Tinted Glass, Add	34.01	
For Low-E Insulated Glass, Add	70.85	
For Obscure Glass, Add	77.93	
08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0011 EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	346.97	59.97
For Colored Vinyl, Add	22.70	
For Tinted Glass, Add	27.24	
For Low-E Insulated Glass, Add	56.76	
For Obscure Glass, Add	62.43	
08 53 13 00-0012 EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	364.49	61.25
For Colored Vinyl, Add	23.94	
For Tinted Glass, Add	28.73	
For Low-E Insulated Glass, Add	59.86	
For Obscure Glass, Add	65.84	
08 53 13 00-0013 EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	371.83	63.81
For Colored Vinyl, Add	24.42	
For Tinted Glass, Add	29.31	
For Low-E Insulated Glass, Add	61.06	
For Obscure Glass, Add	67.16	
08 53 13 00-0014 EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	379.80	65.08
For Colored Vinyl, Add	24.96	
For Tinted Glass, Add	29.96	
For Low-E Insulated Glass, Add	62.41	
For Obscure Glass, Add	68.65	
08 53 13 00-0015 EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	400.08	67.63
For Colored Vinyl, Add	26.48	
For Tinted Glass, Add	31.78	
For Low-E Insulated Glass, Add	66.21	
For Obscure Glass, Add	72.83	
08 53 13 00-0016 EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	433.22	72.74
For Colored Vinyl, Add	28.78	
For Tinted Glass, Add	34.53	
For Low-E Insulated Glass, Add	71.94	
For Obscure Glass, Add	79.13	
08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018 EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	353.69	61.25
For Colored Vinyl, Add	23.12	
For Tinted Glass, Add	27.74	
For Low-E Insulated Glass, Add	57.80	
For Obscure Glass, Add	63.57	
08 53 13 00-0019 EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	371.21	63.81
For Colored Vinyl, Add	24.36	
For Tinted Glass, Add	29.23	
For Low-E Insulated Glass, Add	60.90	
For Obscure Glass, Add	66.99	
08 53 13 00-0020 EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	378.82	65.08
For Colored Vinyl, Add	24.87	
For Tinted Glass, Add	29.84	
For Low-E Insulated Glass, Add	62.17	
For Obscure Glass, Add	68.38	
08 53 13 00-0021 EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	386.79	66.36
For Colored Vinyl, Add	25.41	
For Tinted Glass, Add	30.49	
For Low-E Insulated Glass, Add	63.52	
For Obscure Glass, Add	69.87	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	407.39	68.91
			<i>For Colored Vinyl, Add</i>	26.96	
			<i>For Tinted Glass, Add</i>	32.35	
			<i>For Low-E Insulated Glass, Add</i>	67.39	
			<i>For Obscure Glass, Add</i>	74.13	
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	440.95	74.01
			<i>For Colored Vinyl, Add</i>	29.29	
			<i>For Tinted Glass, Add</i>	35.15	
			<i>For Low-E Insulated Glass, Add</i>	73.23	
			<i>For Obscure Glass, Add</i>	80.55	
08 53 13 00-0024			44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	374.21	65.08
			<i>For Colored Vinyl, Add</i>	24.41	
			<i>For Tinted Glass, Add</i>	29.29	
			<i>For Low-E Insulated Glass, Add</i>	61.01	
			<i>For Obscure Glass, Add</i>	67.11	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	391.72	67.63
			<i>For Colored Vinyl, Add</i>	25.65	
			<i>For Tinted Glass, Add</i>	30.78	
			<i>For Low-E Insulated Glass, Add</i>	64.12	
			<i>For Obscure Glass, Add</i>	70.53	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	400.26	68.91
			<i>For Colored Vinyl, Add</i>	26.24	
			<i>For Tinted Glass, Add</i>	31.49	
			<i>For Low-E Insulated Glass, Add</i>	65.61	
			<i>For Obscure Glass, Add</i>	72.17	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	408.23	70.18
			<i>For Colored Vinyl, Add</i>	26.79	
			<i>For Tinted Glass, Add</i>	32.14	
			<i>For Low-E Insulated Glass, Add</i>	66.97	
			<i>For Obscure Glass, Add</i>	73.66	
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.72	72.74
			<i>For Colored Vinyl, Add</i>	28.43	
			<i>For Tinted Glass, Add</i>	34.11	
			<i>For Low-E Insulated Glass, Add</i>	71.06	
			<i>For Obscure Glass, Add</i>	78.17	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	464.45	77.84
			<i>For Colored Vinyl, Add</i>	30.88	
			<i>For Tinted Glass, Add</i>	37.05	
			<i>For Low-E Insulated Glass, Add</i>	77.19	
			<i>For Obscure Glass, Add</i>	84.91	
08 53 13 00-0031			46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	381.13	66.36
			<i>For Colored Vinyl, Add</i>	24.84	
			<i>For Tinted Glass, Add</i>	29.81	
			<i>For Low-E Insulated Glass, Add</i>	62.11	
			<i>For Obscure Glass, Add</i>	68.32	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	398.65	68.91
			<i>For Colored Vinyl, Add</i>	26.08	
			<i>For Tinted Glass, Add</i>	31.30	
			<i>For Low-E Insulated Glass, Add</i>	65.21	
			<i>For Obscure Glass, Add</i>	71.73	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	407.46	70.18
			<i>For Colored Vinyl, Add</i>	26.71	
			<i>For Tinted Glass, Add</i>	32.05	
			<i>For Low-E Insulated Glass, Add</i>	66.77	
			<i>For Obscure Glass, Add</i>	73.45	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	415.43	71.46
			<i>For Colored Vinyl, Add</i>	27.25	
			<i>For Tinted Glass, Add</i>	32.70	
			<i>For Low-E Insulated Glass, Add</i>	68.13	
			<i>For Obscure Glass, Add</i>	74.94	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	437.21	74.01
			<i>For Colored Vinyl, Add</i>	28.92	
			<i>For Tinted Glass, Add</i>	34.70	
			<i>For Low-E Insulated Glass, Add</i>	72.30	
			<i>For Obscure Glass, Add</i>	79.52	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	472.34	79.12
			<i>For Colored Vinyl, Add</i>	31.41	
			<i>For Tinted Glass, Add</i>	37.69	
			<i>For Low-E Insulated Glass, Add</i>	78.53	
			<i>For Obscure Glass, Add</i>	86.38	
08 53 13 00-0038			48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	388.12	67.63
			<i>For Colored Vinyl, Add</i>	25.29	
			<i>For Tinted Glass, Add</i>	30.34	
			<i>For Low-E Insulated Glass, Add</i>	63.22	
			<i>For Obscure Glass, Add</i>	69.54	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	405.64	70.18
			<i>For Colored Vinyl, Add</i>	26.53	
			<i>For Tinted Glass, Add</i>	31.83	
			<i>For Low-E Insulated Glass, Add</i>	66.32	
			<i>For Obscure Glass, Add</i>	72.95	
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	414.73	71.46
			<i>For Colored Vinyl, Add</i>	27.18	
			<i>For Tinted Glass, Add</i>	32.62	
			<i>For Low-E Insulated Glass, Add</i>	67.95	
			<i>For Obscure Glass, Add</i>	74.75	
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	422.70	72.74
			<i>For Colored Vinyl, Add</i>	27.72	
			<i>For Tinted Glass, Add</i>	33.27	
			<i>For Low-E Insulated Glass, Add</i>	69.31	
			<i>For Obscure Glass, Add</i>	76.24	
08 53 13 00-0043	EA		36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	444.80	75.29
			<i>For Colored Vinyl, Add</i>	29.42	
			<i>For Tinted Glass, Add</i>	35.31	
			<i>For Low-E Insulated Glass, Add</i>	73.56	
			<i>For Obscure Glass, Add</i>	80.91	
08 53 13 00-0044	EA		44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	480.31	80.40
			<i>For Colored Vinyl, Add</i>	31.95	
			<i>For Tinted Glass, Add</i>	38.34	
			<i>For Low-E Insulated Glass, Add</i>	79.88	
			<i>For Obscure Glass, Add</i>	87.87	
08 53 13 00-0045			50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046	EA		24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	394.84	68.91
			<i>For Colored Vinyl, Add</i>	25.70	
			<i>For Tinted Glass, Add</i>	30.84	
			<i>For Low-E Insulated Glass, Add</i>	64.26	
			<i>For Obscure Glass, Add</i>	70.68	
08 53 13 00-0047	EA		28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	412.35	71.46
			<i>For Colored Vinyl, Add</i>	26.94	
			<i>For Tinted Glass, Add</i>	32.33	
			<i>For Low-E Insulated Glass, Add</i>	67.36	
			<i>For Obscure Glass, Add</i>	74.09	
08 53 13 00-0048	EA		30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	421.75	72.74
			<i>For Colored Vinyl, Add</i>	27.63	
			<i>For Tinted Glass, Add</i>	33.15	
			<i>For Low-E Insulated Glass, Add</i>	69.07	
			<i>For Obscure Glass, Add</i>	75.98	
08 53 13 00-0049	EA		32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.73	74.01
			<i>For Colored Vinyl, Add</i>	28.17	
			<i>For Tinted Glass, Add</i>	33.80	
			<i>For Low-E Insulated Glass, Add</i>	70.43	
			<i>For Obscure Glass, Add</i>	77.47	
08 53 13 00-0050	EA		36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	452.10	76.56
			<i>For Colored Vinyl, Add</i>	29.90	
			<i>For Tinted Glass, Add</i>	35.88	
			<i>For Low-E Insulated Glass, Add</i>	74.74	
			<i>For Obscure Glass, Add</i>	82.22	
08 53 13 00-0051	EA		44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	488.01	81.67
			<i>For Colored Vinyl, Add</i>	32.47	
			<i>For Tinted Glass, Add</i>	38.96	
			<i>For Low-E Insulated Glass, Add</i>	81.17	
			<i>For Obscure Glass, Add</i>	89.28	
08 53 13 00-0052			52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053	EA		24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	401.58	70.18
			<i>For Colored Vinyl, Add</i>	26.12	
			<i>For Tinted Glass, Add</i>	31.35	
			<i>For Low-E Insulated Glass, Add</i>	65.30	
			<i>For Obscure Glass, Add</i>	71.83	
08 53 13 00-0054	EA		28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	419.09	72.74
			<i>For Colored Vinyl, Add</i>	27.36	
			<i>For Tinted Glass, Add</i>	32.83	
			<i>For Low-E Insulated Glass, Add</i>	68.41	
			<i>For Obscure Glass, Add</i>	75.25	
08 53 13 00-0055	EA		30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	428.82	74.01
			<i>For Colored Vinyl, Add</i>	28.08	
			<i>For Tinted Glass, Add</i>	33.69	
			<i>For Low-E Insulated Glass, Add</i>	70.20	
			<i>For Obscure Glass, Add</i>	77.22	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	436.79	75.29
			<i>For Colored Vinyl, Add</i>	28.62	
			<i>For Tinted Glass, Add</i>	34.35	
			<i>For Low-E Insulated Glass, Add</i>	71.55	
			<i>For Obscure Glass, Add</i>	78.71	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	459.48	77.84
			<i>For Colored Vinyl, Add</i>	30.38	
			<i>For Tinted Glass, Add</i>	36.45	
			<i>For Low-E Insulated Glass, Add</i>	75.95	
			<i>For Obscure Glass, Add</i>	83.54	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	495.76	82.95
			<i>For Colored Vinyl, Add</i>	32.99	
			<i>For Tinted Glass, Add</i>	39.58	
			<i>For Low-E Insulated Glass, Add</i>	82.47	
			<i>For Obscure Glass, Add</i>	90.71	
08 53 13 00-0059			54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	408.33	71.46
			<i>For Colored Vinyl, Add</i>	26.54	
			<i>For Tinted Glass, Add</i>	31.85	
			<i>For Low-E Insulated Glass, Add</i>	66.35	
			<i>For Obscure Glass, Add</i>	72.99	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	425.85	74.01
			<i>For Colored Vinyl, Add</i>	27.78	
			<i>For Tinted Glass, Add</i>	33.34	
			<i>For Low-E Insulated Glass, Add</i>	69.46	
			<i>For Obscure Glass, Add</i>	76.40	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	435.85	75.29
			<i>For Colored Vinyl, Add</i>	28.53	
			<i>For Tinted Glass, Add</i>	34.23	
			<i>For Low-E Insulated Glass, Add</i>	71.32	
			<i>For Obscure Glass, Add</i>	78.45	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	443.81	76.56
			<i>For Colored Vinyl, Add</i>	29.07	
			<i>For Tinted Glass, Add</i>	34.88	
			<i>For Low-E Insulated Glass, Add</i>	72.67	
			<i>For Obscure Glass, Add</i>	79.94	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	466.78	79.12
			<i>For Colored Vinyl, Add</i>	30.86	
			<i>For Tinted Glass, Add</i>	37.03	
			<i>For Low-E Insulated Glass, Add</i>	77.14	
			<i>For Obscure Glass, Add</i>	84.85	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	503.45	84.22
			<i>For Colored Vinyl, Add</i>	33.50	
			<i>For Tinted Glass, Add</i>	40.20	
			<i>For Low-E Insulated Glass, Add</i>	83.75	
			<i>For Obscure Glass, Add</i>	92.13	
08 53 13 00-0066			60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	429.10	75.29
			<i>For Colored Vinyl, Add</i>	27.85	
			<i>For Tinted Glass, Add</i>	33.42	
			<i>For Low-E Insulated Glass, Add</i>	69.63	
			<i>For Obscure Glass, Add</i>	76.59	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	446.62	77.84
			<i>For Colored Vinyl, Add</i>	29.09	
			<i>For Tinted Glass, Add</i>	34.91	
			<i>For Low-E Insulated Glass, Add</i>	72.73	
			<i>For Obscure Glass, Add</i>	80.01	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	457.44	79.12
			<i>For Colored Vinyl, Add</i>	29.92	
			<i>For Tinted Glass, Add</i>	35.91	
			<i>For Low-E Insulated Glass, Add</i>	74.80	
			<i>For Obscure Glass, Add</i>	82.28	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	465.41	80.40
			<i>For Colored Vinyl, Add</i>	30.46	
			<i>For Tinted Glass, Add</i>	36.56	
			<i>For Low-E Insulated Glass, Add</i>	76.16	
			<i>For Obscure Glass, Add</i>	83.77	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.30	82.95
			<i>For Colored Vinyl, Add</i>	32.34	
			<i>For Tinted Glass, Add</i>	38.81	
			<i>For Low-E Insulated Glass, Add</i>	80.85	
			<i>For Obscure Glass, Add</i>	88.94	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	527.16	88.05
			<i>For Colored Vinyl, Add</i>	35.11	
			<i>For Tinted Glass, Add</i>	42.13	
			<i>For Low-E Insulated Glass, Add</i>	87.77	
			<i>For Obscure Glass, Add</i>	96.54	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0073		62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	435.84	76.56
		<i>For Colored Vinyl, Add</i>	28.27	
		<i>For Tinted Glass, Add</i>	33.93	
		<i>For Low-E Insulated Glass, Add</i>	70.68	
		<i>For Obscure Glass, Add</i>	77.75	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	453.35	79.12
		<i>For Colored Vinyl, Add</i>	29.51	
		<i>For Tinted Glass, Add</i>	35.41	
		<i>For Low-E Insulated Glass, Add</i>	73.78	
		<i>For Obscure Glass, Add</i>	81.16	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	464.54	80.40
		<i>For Colored Vinyl, Add</i>	30.38	
		<i>For Tinted Glass, Add</i>	36.45	
		<i>For Low-E Insulated Glass, Add</i>	75.94	
		<i>For Obscure Glass, Add</i>	83.53	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	472.52	81.67
		<i>For Colored Vinyl, Add</i>	30.92	
		<i>For Tinted Glass, Add</i>	37.10	
		<i>For Low-E Insulated Glass, Add</i>	77.30	
		<i>For Obscure Glass, Add</i>	85.02	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	496.67	84.22
		<i>For Colored Vinyl, Add</i>	32.82	
		<i>For Tinted Glass, Add</i>	39.39	
		<i>For Low-E Insulated Glass, Add</i>	82.06	
		<i>For Obscure Glass, Add</i>	90.26	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.95	89.33
		<i>For Colored Vinyl, Add</i>	35.63	
		<i>For Tinted Glass, Add</i>	42.76	
		<i>For Low-E Insulated Glass, Add</i>	89.08	
		<i>For Obscure Glass, Add</i>	97.98	
08 53 13 00-0080		66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	449.54	79.12
		<i>For Colored Vinyl, Add</i>	29.13	
		<i>For Tinted Glass, Add</i>	34.96	
		<i>For Low-E Insulated Glass, Add</i>	72.83	
		<i>For Obscure Glass, Add</i>	80.11	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	467.06	81.67
		<i>For Colored Vinyl, Add</i>	30.37	
		<i>For Tinted Glass, Add</i>	36.45	
		<i>For Low-E Insulated Glass, Add</i>	75.93	
		<i>For Obscure Glass, Add</i>	83.52	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	478.81	82.95
		<i>For Colored Vinyl, Add</i>	31.29	
		<i>For Tinted Glass, Add</i>	37.55	
		<i>For Low-E Insulated Glass, Add</i>	78.23	
		<i>For Obscure Glass, Add</i>	86.05	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	486.78	84.22
		<i>For Colored Vinyl, Add</i>	31.83	
		<i>For Tinted Glass, Add</i>	38.20	
		<i>For Low-E Insulated Glass, Add</i>	79.59	
		<i>For Obscure Glass, Add</i>	87.54	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	511.57	86.77
		<i>For Colored Vinyl, Add</i>	33.80	
		<i>For Tinted Glass, Add</i>	40.56	
		<i>For Low-E Insulated Glass, Add</i>	84.51	
		<i>For Obscure Glass, Add</i>	92.96	
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	550.59	91.88
		<i>For Colored Vinyl, Add</i>	36.68	
		<i>For Tinted Glass, Add</i>	44.02	
		<i>For Low-E Insulated Glass, Add</i>	91.71	
		<i>For Obscure Glass, Add</i>	100.88	
08 53 13 00-0087		72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	470.31	82.95
		<i>For Colored Vinyl, Add</i>	30.44	
		<i>For Tinted Glass, Add</i>	36.53	
		<i>For Low-E Insulated Glass, Add</i>	76.11	
		<i>For Obscure Glass, Add</i>	83.72	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	487.83	85.49
		<i>For Colored Vinyl, Add</i>	31.68	
		<i>For Tinted Glass, Add</i>	38.02	
		<i>For Low-E Insulated Glass, Add</i>	79.21	
		<i>For Obscure Glass, Add</i>	87.13	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	499.58	86.77
			For Colored Vinyl, Add	32.60	
			For Tinted Glass, Add	39.12	
			For Low-E Insulated Glass, Add	81.51	
			For Obscure Glass, Add	89.66	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	507.55	88.05
			For Colored Vinyl, Add	33.15	
			For Tinted Glass, Add	39.77	
			For Low-E Insulated Glass, Add	82.86	
			For Obscure Glass, Add	91.15	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	532.34	90.60
			For Colored Vinyl, Add	35.11	
			For Tinted Glass, Add	42.14	
			For Low-E Insulated Glass, Add	87.78	
			For Obscure Glass, Add	96.56	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	571.35	95.70
			For Colored Vinyl, Add	37.99	
			For Tinted Glass, Add	45.59	
			For Low-E Insulated Glass, Add	94.99	
			For Obscure Glass, Add	104.48	
08 53 13 00-0094			Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	491.27	67.00
			For Colored Vinyl, Add	35.73	
			For Tinted Glass, Add	42.87	
			For Low-E Insulated Glass, Add	89.32	
			For Obscure Glass, Add	98.25	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	538.47	73.37
			For Colored Vinyl, Add	39.17	
			For Tinted Glass, Add	47.01	
			For Low-E Insulated Glass, Add	97.93	
			For Obscure Glass, Add	107.72	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	582.17	79.75
			For Colored Vinyl, Add	42.27	
			For Tinted Glass, Add	50.72	
			For Low-E Insulated Glass, Add	105.67	
			For Obscure Glass, Add	116.23	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	613.63	86.14
			For Colored Vinyl, Add	44.14	
			For Tinted Glass, Add	52.96	
			For Low-E Insulated Glass, Add	110.34	
			For Obscure Glass, Add	121.37	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	646.49	92.52
			For Colored Vinyl, Add	46.15	
			For Tinted Glass, Add	55.38	
			For Low-E Insulated Glass, Add	115.37	
			For Obscure Glass, Add	126.90	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	701.21	98.89
			For Colored Vinyl, Add	50.34	
			For Tinted Glass, Add	60.41	
			For Low-E Insulated Glass, Add	125.85	
			For Obscure Glass, Add	138.44	
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	5.86	0.83
			For Colored Vinyl, Add	0.42	
			For Tinted Glass, Add	0.50	
			For Low-E Insulated Glass, Add	1.05	
			For Obscure Glass, Add	1.16	
08 53 13 00-0102			Double Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0103			New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104			34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	474.54	58.70
			For Colored Vinyl, Add	35.71	
			For Tinted Glass, Add	42.86	
			For Low-E Insulated Glass, Add	89.29	
			For Obscure Glass, Add	98.21	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	492.06	61.25
			For Colored Vinyl, Add	36.96	
			For Tinted Glass, Add	44.35	
			For Low-E Insulated Glass, Add	92.39	
			For Obscure Glass, Add	101.63	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	500.56	62.53
			For Colored Vinyl, Add	37.55	
			For Tinted Glass, Add	45.06	
			For Low-E Insulated Glass, Add	93.88	
			For Obscure Glass, Add	103.26	

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	508.52	63.81
			<i>For Colored Vinyl, Add</i>	38.09	
			<i>For Tinted Glass, Add</i>	45.71	
			<i>For Low-E Insulated Glass, Add</i>	95.23	
			<i>For Obscure Glass, Add</i>	104.75	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	527.64	66.36
			<i>For Colored Vinyl, Add</i>	39.49	
			<i>For Tinted Glass, Add</i>	47.39	
			<i>For Low-E Insulated Glass, Add</i>	98.73	
			<i>For Obscure Glass, Add</i>	108.61	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	559.28	71.46
			<i>For Colored Vinyl, Add</i>	41.64	
			<i>For Tinted Glass, Add</i>	49.96	
			<i>For Low-E Insulated Glass, Add</i>	104.09	
			<i>For Obscure Glass, Add</i>	114.50	
08 53 13 00-0111			36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	481.46	59.97
			<i>For Colored Vinyl, Add</i>	36.15	
			<i>For Tinted Glass, Add</i>	43.38	
			<i>For Low-E Insulated Glass, Add</i>	90.38	
			<i>For Obscure Glass, Add</i>	99.42	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	498.98	62.53
			<i>For Colored Vinyl, Add</i>	37.39	
			<i>For Tinted Glass, Add</i>	44.87	
			<i>For Low-E Insulated Glass, Add</i>	93.48	
			<i>For Obscure Glass, Add</i>	102.83	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	507.48	63.81
			<i>For Colored Vinyl, Add</i>	37.99	
			<i>For Tinted Glass, Add</i>	45.58	
			<i>For Low-E Insulated Glass, Add</i>	94.97	
			<i>For Obscure Glass, Add</i>	104.46	
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	515.44	65.08
			<i>For Colored Vinyl, Add</i>	38.53	
			<i>For Tinted Glass, Add</i>	46.23	
			<i>For Low-E Insulated Glass, Add</i>	96.32	
			<i>For Obscure Glass, Add</i>	105.95	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	534.56	67.63
			<i>For Colored Vinyl, Add</i>	39.93	
			<i>For Tinted Glass, Add</i>	47.92	
			<i>For Low-E Insulated Glass, Add</i>	99.83	
			<i>For Obscure Glass, Add</i>	109.81	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	566.20	72.74
			<i>For Colored Vinyl, Add</i>	42.07	
			<i>For Tinted Glass, Add</i>	50.49	
			<i>For Low-E Insulated Glass, Add</i>	105.18	
			<i>For Obscure Glass, Add</i>	115.70	
08 53 13 00-0118			38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	487.76	61.25
			<i>For Colored Vinyl, Add</i>	36.53	
			<i>For Tinted Glass, Add</i>	43.83	
			<i>For Low-E Insulated Glass, Add</i>	91.31	
			<i>For Obscure Glass, Add</i>	100.44	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	505.27	63.81
			<i>For Colored Vinyl, Add</i>	37.77	
			<i>For Tinted Glass, Add</i>	45.32	
			<i>For Low-E Insulated Glass, Add</i>	94.42	
			<i>For Obscure Glass, Add</i>	103.86	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	514.01	65.08
			<i>For Colored Vinyl, Add</i>	38.39	
			<i>For Tinted Glass, Add</i>	46.06	
			<i>For Low-E Insulated Glass, Add</i>	95.96	
			<i>For Obscure Glass, Add</i>	105.56	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	521.98	66.36
			<i>For Colored Vinyl, Add</i>	38.93	
			<i>For Tinted Glass, Add</i>	46.71	
			<i>For Low-E Insulated Glass, Add</i>	97.32	
			<i>For Obscure Glass, Add</i>	107.05	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	541.46	68.91
			<i>For Colored Vinyl, Add</i>	40.36	
			<i>For Tinted Glass, Add</i>	48.44	
			<i>For Low-E Insulated Glass, Add</i>	100.91	
			<i>For Obscure Glass, Add</i>	111.00	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	573.45	74.01
			<i>For Colored Vinyl, Add</i>	42.54	
			<i>For Tinted Glass, Add</i>	51.05	
			<i>For Low-E Insulated Glass, Add</i>	106.36	
			<i>For Obscure Glass, Add</i>	116.99	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126 EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	509.01	65.08
For Colored Vinyl, Add	37.89	
For Tinted Glass, Add	45.46	
For Low-E Insulated Glass, Add	94.71	
For Obscure Glass, Add	104.18	
08 53 13 00-0127 EA 28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	526.52	67.63
For Colored Vinyl, Add	39.13	
For Tinted Glass, Add	46.95	
For Low-E Insulated Glass, Add	97.82	
For Obscure Glass, Add	107.60	
08 53 13 00-0128 EA 30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	533.84	68.91
For Colored Vinyl, Add	39.60	
For Tinted Glass, Add	47.52	
For Low-E Insulated Glass, Add	99.01	
For Obscure Glass, Add	108.91	
08 53 13 00-0129 EA 32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	541.81	70.18
For Colored Vinyl, Add	40.14	
For Tinted Glass, Add	48.17	
For Low-E Insulated Glass, Add	100.36	
For Obscure Glass, Add	110.40	
08 53 13 00-0130 EA 36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	562.04	72.74
For Colored Vinyl, Add	41.66	
For Tinted Glass, Add	49.99	
For Low-E Insulated Glass, Add	104.14	
For Obscure Glass, Add	114.56	
08 53 13 00-0131 EA 44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	595.79	77.84
For Colored Vinyl, Add	44.01	
For Tinted Glass, Add	52.81	
For Low-E Insulated Glass, Add	110.03	
For Obscure Glass, Add	121.03	
08 53 13 00-0132 46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133 EA 24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	515.27	66.36
For Colored Vinyl, Add	38.26	
For Tinted Glass, Add	45.91	
For Low-E Insulated Glass, Add	95.64	
For Obscure Glass, Add	105.20	
08 53 13 00-0134 EA 28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	532.79	68.91
For Colored Vinyl, Add	39.50	
For Tinted Glass, Add	47.40	
For Low-E Insulated Glass, Add	98.74	
For Obscure Glass, Add	108.62	
08 53 13 00-0135 EA 30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	540.48	70.18
For Colored Vinyl, Add	40.01	
For Tinted Glass, Add	48.01	
For Low-E Insulated Glass, Add	100.03	
For Obscure Glass, Add	110.03	
08 53 13 00-0136 EA 32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	548.45	71.46
For Colored Vinyl, Add	40.55	
For Tinted Glass, Add	48.66	
For Low-E Insulated Glass, Add	101.38	
For Obscure Glass, Add	111.52	
08 53 13 00-0137 EA 36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	568.94	74.01
For Colored Vinyl, Add	42.09	
For Tinted Glass, Add	50.51	
For Low-E Insulated Glass, Add	105.23	
For Obscure Glass, Add	115.75	
08 53 13 00-0138 EA 44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	603.71	79.12
For Colored Vinyl, Add	44.55	
For Tinted Glass, Add	53.46	
For Low-E Insulated Glass, Add	111.37	
For Obscure Glass, Add	122.51	
08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140 EA 24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	521.59	67.63
For Colored Vinyl, Add	38.63	
For Tinted Glass, Add	46.36	
For Low-E Insulated Glass, Add	96.58	
For Obscure Glass, Add	106.24	
08 53 13 00-0141 EA 28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	539.11	70.18
For Colored Vinyl, Add	39.87	
For Tinted Glass, Add	47.85	
For Low-E Insulated Glass, Add	99.69	
For Obscure Glass, Add	109.65	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	547.01	71.46
			<i>For Colored Vinyl, Add</i>	40.41	
			<i>For Tinted Glass, Add</i>	48.49	
			<i>For Low-E Insulated Glass, Add</i>	101.02	
			<i>For Obscure Glass, Add</i>	111.12	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	554.98	72.74
			<i>For Colored Vinyl, Add</i>	40.95	
			<i>For Tinted Glass, Add</i>	49.14	
			<i>For Low-E Insulated Glass, Add</i>	102.38	
			<i>For Obscure Glass, Add</i>	112.62	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	575.82	75.29
			<i>For Colored Vinyl, Add</i>	42.52	
			<i>For Tinted Glass, Add</i>	51.03	
			<i>For Low-E Insulated Glass, Add</i>	106.31	
			<i>For Obscure Glass, Add</i>	116.94	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	611.51	80.40
			<i>For Colored Vinyl, Add</i>	45.07	
			<i>For Tinted Glass, Add</i>	54.09	
			<i>For Low-E Insulated Glass, Add</i>	112.68	
			<i>For Obscure Glass, Add</i>	123.95	
08 53 13 00-0146			50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	527.86	68.91
			<i>For Colored Vinyl, Add</i>	39.00	
			<i>For Tinted Glass, Add</i>	46.80	
			<i>For Low-E Insulated Glass, Add</i>	97.51	
			<i>For Obscure Glass, Add</i>	107.26	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	545.37	71.46
			<i>For Colored Vinyl, Add</i>	40.25	
			<i>For Tinted Glass, Add</i>	48.29	
			<i>For Low-E Insulated Glass, Add</i>	100.61	
			<i>For Obscure Glass, Add</i>	110.67	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	553.62	72.74
			<i>For Colored Vinyl, Add</i>	40.82	
			<i>For Tinted Glass, Add</i>	48.98	
			<i>For Low-E Insulated Glass, Add</i>	102.04	
			<i>For Obscure Glass, Add</i>	112.24	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	561.60	74.01
			<i>For Colored Vinyl, Add</i>	41.36	
			<i>For Tinted Glass, Add</i>	49.63	
			<i>For Low-E Insulated Glass, Add</i>	103.39	
			<i>For Obscure Glass, Add</i>	113.73	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	582.71	76.56
			<i>For Colored Vinyl, Add</i>	42.96	
			<i>For Tinted Glass, Add</i>	51.55	
			<i>For Low-E Insulated Glass, Add</i>	107.40	
			<i>For Obscure Glass, Add</i>	118.13	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	619.42	81.67
			<i>For Colored Vinyl, Add</i>	45.61	
			<i>For Tinted Glass, Add</i>	54.73	
			<i>For Low-E Insulated Glass, Add</i>	114.02	
			<i>For Obscure Glass, Add</i>	125.42	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	534.15	70.18
			<i>For Colored Vinyl, Add</i>	39.38	
			<i>For Tinted Glass, Add</i>	47.25	
			<i>For Low-E Insulated Glass, Add</i>	98.45	
			<i>For Obscure Glass, Add</i>	108.29	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	551.66	72.74
			<i>For Colored Vinyl, Add</i>	40.62	
			<i>For Tinted Glass, Add</i>	48.74	
			<i>For Low-E Insulated Glass, Add</i>	101.55	
			<i>For Obscure Glass, Add</i>	111.70	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	560.16	74.01
			<i>For Colored Vinyl, Add</i>	41.21	
			<i>For Tinted Glass, Add</i>	49.46	
			<i>For Low-E Insulated Glass, Add</i>	103.03	
			<i>For Obscure Glass, Add</i>	113.34	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	568.13	75.29
			<i>For Colored Vinyl, Add</i>	41.76	
			<i>For Tinted Glass, Add</i>	50.11	
			<i>For Low-E Insulated Glass, Add</i>	104.39	
			<i>For Obscure Glass, Add</i>	114.83	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	590.20	77.84
			<i>For Colored Vinyl, Add</i>	43.45	
			<i>For Tinted Glass, Add</i>	52.14	
			<i>For Low-E Insulated Glass, Add</i>	108.63	
			<i>For Obscure Glass, Add</i>	119.49	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	627.18	82.95
			<i>For Colored Vinyl, Add</i>	46.13	
			<i>For Tinted Glass, Add</i>	55.35	
			<i>For Low-E Insulated Glass, Add</i>	115.32	
			<i>For Obscure Glass, Add</i>	126.85	
08 53 13 00-0160			54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	540.47	71.46
			<i>For Colored Vinyl, Add</i>	39.76	
			<i>For Tinted Glass, Add</i>	47.71	
			<i>For Low-E Insulated Glass, Add</i>	99.39	
			<i>For Obscure Glass, Add</i>	109.33	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	558.00	74.01
			<i>For Colored Vinyl, Add</i>	41.00	
			<i>For Tinted Glass, Add</i>	49.20	
			<i>For Low-E Insulated Glass, Add</i>	102.49	
			<i>For Obscure Glass, Add</i>	112.74	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	566.80	75.29
			<i>For Colored Vinyl, Add</i>	41.62	
			<i>For Tinted Glass, Add</i>	49.95	
			<i>For Low-E Insulated Glass, Add</i>	104.06	
			<i>For Obscure Glass, Add</i>	114.46	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	574.77	76.56
			<i>For Colored Vinyl, Add</i>	42.16	
			<i>For Tinted Glass, Add</i>	50.60	
			<i>For Low-E Insulated Glass, Add</i>	105.41	
			<i>For Obscure Glass, Add</i>	115.95	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	597.67	79.12
			<i>For Colored Vinyl, Add</i>	43.94	
			<i>For Tinted Glass, Add</i>	52.73	
			<i>For Low-E Insulated Glass, Add</i>	109.86	
			<i>For Obscure Glass, Add</i>	120.85	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	634.97	84.22
			<i>For Colored Vinyl, Add</i>	46.65	
			<i>For Tinted Glass, Add</i>	55.98	
			<i>For Low-E Insulated Glass, Add</i>	116.63	
			<i>For Obscure Glass, Add</i>	128.30	
08 53 13 00-0167			60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	559.43	75.29
			<i>For Colored Vinyl, Add</i>	40.89	
			<i>For Tinted Glass, Add</i>	49.06	
			<i>For Low-E Insulated Glass, Add</i>	102.21	
			<i>For Obscure Glass, Add</i>	112.43	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	576.95	77.84
			<i>For Colored Vinyl, Add</i>	42.13	
			<i>For Tinted Glass, Add</i>	50.55	
			<i>For Low-E Insulated Glass, Add</i>	105.32	
			<i>For Obscure Glass, Add</i>	115.85	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	587.81	79.12
			<i>For Colored Vinyl, Add</i>	42.96	
			<i>For Tinted Glass, Add</i>	51.55	
			<i>For Low-E Insulated Glass, Add</i>	107.40	
			<i>For Obscure Glass, Add</i>	118.13	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	595.78	80.40
			<i>For Colored Vinyl, Add</i>	43.50	
			<i>For Tinted Glass, Add</i>	52.20	
			<i>For Low-E Insulated Glass, Add</i>	108.75	
			<i>For Obscure Glass, Add</i>	119.63	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	620.01	82.95
			<i>For Colored Vinyl, Add</i>	45.41	
			<i>For Tinted Glass, Add</i>	54.49	
			<i>For Low-E Insulated Glass, Add</i>	113.53	
			<i>For Obscure Glass, Add</i>	124.88	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	658.43	88.05
			<i>For Colored Vinyl, Add</i>	48.23	
			<i>For Tinted Glass, Add</i>	57.88	
			<i>For Low-E Insulated Glass, Add</i>	120.58	
			<i>For Obscure Glass, Add</i>	132.64	
08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	565.72	76.56
			<i>For Colored Vinyl, Add</i>	41.26	
			<i>For Tinted Glass, Add</i>	49.51	
			<i>For Low-E Insulated Glass, Add</i>	103.15	
			<i>For Obscure Glass, Add</i>	113.46	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	583.23	79.12
			<i>For Colored Vinyl, Add</i>	42.50	
			<i>For Tinted Glass, Add</i>	51.00	
			<i>For Low-E Insulated Glass, Add</i>	106.25	
			<i>For Obscure Glass, Add</i>	116.88	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	594.94	80.40
			<i>For Colored Vinyl, Add</i>	43.42	
			<i>For Tinted Glass, Add</i>	52.10	
			<i>For Low-E Insulated Glass, Add</i>	108.54	
			<i>For Obscure Glass, Add</i>	119.39	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	602.92	81.67
			<i>For Colored Vinyl, Add</i>	43.96	
			<i>For Tinted Glass, Add</i>	52.75	
			<i>For Low-E Insulated Glass, Add</i>	109.90	
			<i>For Obscure Glass, Add</i>	120.88	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	627.42	84.22
			<i>For Colored Vinyl, Add</i>	45.90	
			<i>For Tinted Glass, Add</i>	55.08	
			<i>For Low-E Insulated Glass, Add</i>	114.75	
			<i>For Obscure Glass, Add</i>	126.22	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	666.92	89.33
			<i>For Colored Vinyl, Add</i>	48.83	
			<i>For Tinted Glass, Add</i>	58.59	
			<i>For Low-E Insulated Glass, Add</i>	122.07	
			<i>For Obscure Glass, Add</i>	134.27	
08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	579.56	79.12
			<i>For Colored Vinyl, Add</i>	42.13	
			<i>For Tinted Glass, Add</i>	50.56	
			<i>For Low-E Insulated Glass, Add</i>	105.33	
			<i>For Obscure Glass, Add</i>	115.87	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	597.08	81.67
			<i>For Colored Vinyl, Add</i>	43.37	
			<i>For Tinted Glass, Add</i>	52.05	
			<i>For Low-E Insulated Glass, Add</i>	108.44	
			<i>For Obscure Glass, Add</i>	119.28	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	609.24	82.95
			<i>For Colored Vinyl, Add</i>	44.34	
			<i>For Tinted Glass, Add</i>	53.20	
			<i>For Low-E Insulated Glass, Add</i>	110.84	
			<i>For Obscure Glass, Add</i>	121.92	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	617.21	84.22
			<i>For Colored Vinyl, Add</i>	44.88	
			<i>For Tinted Glass, Add</i>	53.85	
			<i>For Low-E Insulated Glass, Add</i>	112.19	
			<i>For Obscure Glass, Add</i>	123.41	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	642.39	86.77
			<i>For Colored Vinyl, Add</i>	46.88	
			<i>For Tinted Glass, Add</i>	56.26	
			<i>For Low-E Insulated Glass, Add</i>	117.21	
			<i>For Obscure Glass, Add</i>	128.93	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	683.36	91.88
			<i>For Colored Vinyl, Add</i>	49.96	
			<i>For Tinted Glass, Add</i>	59.95	
			<i>For Low-E Insulated Glass, Add</i>	124.90	
			<i>For Obscure Glass, Add</i>	137.39	
08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	600.33	82.95
			<i>For Colored Vinyl, Add</i>	43.44	
			<i>For Tinted Glass, Add</i>	52.13	
			<i>For Low-E Insulated Glass, Add</i>	108.61	
			<i>For Obscure Glass, Add</i>	119.47	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	617.85	85.49
			<i>For Colored Vinyl, Add</i>	44.69	
			<i>For Tinted Glass, Add</i>	53.62	
			<i>For Low-E Insulated Glass, Add</i>	111.71	
			<i>For Obscure Glass, Add</i>	122.88	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	630.01	86.77
			<i>For Colored Vinyl, Add</i>	45.65	
			<i>For Tinted Glass, Add</i>	54.78	
			<i>For Low-E Insulated Glass, Add</i>	114.12	
			<i>For Obscure Glass, Add</i>	125.53	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	637.98	88.05
			<i>For Colored Vinyl, Add</i>	46.19	
			<i>For Tinted Glass, Add</i>	55.43	
			<i>For Low-E Insulated Glass, Add</i>	115.47	
			<i>For Obscure Glass, Add</i>	127.02	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	663.16	90.60
			For Colored Vinyl, Add	48.20	
			For Tinted Glass, Add	57.83	
			For Low-E Insulated Glass, Add	120.49	
			For Obscure Glass, Add	132.54	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	704.12	95.70
			For Colored Vinyl, Add	51.27	
			For Tinted Glass, Add	61.53	
			For Low-E Insulated Glass, Add	128.18	
			For Obscure Glass, Add	141.00	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	580.59	67.00
			For Colored Vinyl, Add	44.66	
			For Tinted Glass, Add	53.59	
			For Low-E Insulated Glass, Add	111.65	
			For Obscure Glass, Add	122.82	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	640.02	73.37
			For Colored Vinyl, Add	49.33	
			For Tinted Glass, Add	59.19	
			For Low-E Insulated Glass, Add	123.32	
			For Obscure Glass, Add	135.65	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	695.96	79.75
			For Colored Vinyl, Add	53.65	
			For Tinted Glass, Add	64.37	
			For Low-E Insulated Glass, Add	134.11	
			For Obscure Glass, Add	147.52	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	737.21	86.14
			For Colored Vinyl, Add	56.49	
			For Tinted Glass, Add	67.79	
			For Low-E Insulated Glass, Add	141.24	
			For Obscure Glass, Add	155.36	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	781.08	92.52
			For Colored Vinyl, Add	59.61	
			For Tinted Glass, Add	71.53	
			For Low-E Insulated Glass, Add	149.01	
			For Obscure Glass, Add	163.91	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	848.04	98.89
			For Colored Vinyl, Add	65.02	
			For Tinted Glass, Add	78.03	
			For Low-E Insulated Glass, Add	162.56	
			For Obscure Glass, Add	178.82	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	7.08	0.83
			For Colored Vinyl, Add	0.54	
			For Tinted Glass, Add	0.65	
			For Low-E Insulated Glass, Add	1.36	
			For Obscure Glass, Add	1.49	
08 53 13 00-0203			Casement Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0203)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	432.22	48.49
			For Colored Vinyl, Add	33.65	
			For Tinted Glass, Add	40.38	
			For Low-E Insulated Glass, Add	84.13	
			For Obscure Glass, Add	92.54	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	447.41	49.77
			For Colored Vinyl, Add	34.79	
			For Tinted Glass, Add	41.75	
			For Low-E Insulated Glass, Add	86.97	
			For Obscure Glass, Add	95.67	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	463.88	52.32
			For Colored Vinyl, Add	35.92	
			For Tinted Glass, Add	43.11	
			For Low-E Insulated Glass, Add	89.81	
			For Obscure Glass, Add	98.79	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	492.86	54.88
			For Colored Vinyl, Add	38.31	
			For Tinted Glass, Add	45.97	
			For Low-E Insulated Glass, Add	95.78	
			For Obscure Glass, Add	105.36	

08	08	Openings
	08 50	Windows
	08 53	Plastic Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0211		28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	458.48	51.04
		<i>For Colored Vinyl, Add</i>	35.77	
		<i>For Tinted Glass, Add</i>	42.92	
		<i>For Low-E Insulated Glass, Add</i>	89.42	
		<i>For Obscure Glass, Add</i>	98.36	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	474.96	52.32
		<i>For Colored Vinyl, Add</i>	37.03	
		<i>For Tinted Glass, Add</i>	44.44	
		<i>For Low-E Insulated Glass, Add</i>	92.58	
		<i>For Obscure Glass, Add</i>	101.84	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	492.68	54.88
		<i>For Colored Vinyl, Add</i>	38.29	
		<i>For Tinted Glass, Add</i>	45.95	
		<i>For Low-E Insulated Glass, Add</i>	95.74	
		<i>For Obscure Glass, Add</i>	105.31	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	523.21	57.42
		<i>For Colored Vinyl, Add</i>	40.84	
		<i>For Tinted Glass, Add</i>	49.00	
		<i>For Low-E Insulated Glass, Add</i>	102.09	
		<i>For Obscure Glass, Add</i>	112.30	
08 53 13 00-0216		36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	490.13	54.88
		<i>For Colored Vinyl, Add</i>	38.04	
		<i>For Tinted Glass, Add</i>	45.65	
		<i>For Low-E Insulated Glass, Add</i>	95.10	
		<i>For Obscure Glass, Add</i>	104.61	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	507.24	57.42
		<i>For Colored Vinyl, Add</i>	39.37	
		<i>For Tinted Glass, Add</i>	47.24	
		<i>For Low-E Insulated Glass, Add</i>	98.42	
		<i>For Obscure Glass, Add</i>	108.26	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	525.66	59.34
		<i>For Colored Vinyl, Add</i>	40.70	
		<i>For Tinted Glass, Add</i>	48.84	
		<i>For Low-E Insulated Glass, Add</i>	101.75	
		<i>For Obscure Glass, Add</i>	111.92	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	557.41	61.89
		<i>For Colored Vinyl, Add</i>	43.36	
		<i>For Tinted Glass, Add</i>	52.04	
		<i>For Low-E Insulated Glass, Add</i>	108.41	
		<i>For Obscure Glass, Add</i>	119.25	
08 53 13 00-0221		40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	518.43	58.70
		<i>For Colored Vinyl, Add</i>	40.23	
		<i>For Tinted Glass, Add</i>	48.28	
		<i>For Low-E Insulated Glass, Add</i>	100.58	
		<i>For Obscure Glass, Add</i>	110.64	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	536.45	59.97
		<i>For Colored Vinyl, Add</i>	41.65	
		<i>For Tinted Glass, Add</i>	49.98	
		<i>For Low-E Insulated Glass, Add</i>	104.13	
		<i>For Obscure Glass, Add</i>	114.54	
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	555.76	62.53
		<i>For Colored Vinyl, Add</i>	43.07	
		<i>For Tinted Glass, Add</i>	51.68	
		<i>For Low-E Insulated Glass, Add</i>	107.68	
		<i>For Obscure Glass, Add</i>	118.44	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	590.01	65.08
		<i>For Colored Vinyl, Add</i>	45.99	
		<i>For Tinted Glass, Add</i>	55.18	
		<i>For Low-E Insulated Glass, Add</i>	114.96	
		<i>For Obscure Glass, Add</i>	126.46	
08 53 13 00-0226		48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	550.77	63.81
		<i>For Colored Vinyl, Add</i>	42.44	
		<i>For Tinted Glass, Add</i>	50.93	
		<i>For Low-E Insulated Glass, Add</i>	106.11	
		<i>For Obscure Glass, Add</i>	116.72	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	569.56	65.08
			<i>For Colored Vinyl, Add</i>	43.94	
			<i>For Tinted Glass, Add</i>	52.73	
			<i>For Low-E Insulated Glass, Add</i>	109.85	
			<i>For Obscure Glass, Add</i>	120.84	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	589.66	67.63
			<i>For Colored Vinyl, Add</i>	45.44	
			<i>For Tinted Glass, Add</i>	54.53	
			<i>For Low-E Insulated Glass, Add</i>	113.60	
			<i>For Obscure Glass, Add</i>	124.96	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	627.25	70.18
			<i>For Colored Vinyl, Add</i>	48.69	
			<i>For Tinted Glass, Add</i>	58.43	
			<i>For Low-E Insulated Glass, Add</i>	121.72	
			<i>For Obscure Glass, Add</i>	133.89	
08 53 13 00-0231			52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	577.90	66.36
			<i>For Colored Vinyl, Add</i>	44.65	
			<i>For Tinted Glass, Add</i>	53.58	
			<i>For Low-E Insulated Glass, Add</i>	111.62	
			<i>For Obscure Glass, Add</i>	122.78	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	597.73	67.63
			<i>For Colored Vinyl, Add</i>	46.25	
			<i>For Tinted Glass, Add</i>	55.50	
			<i>For Low-E Insulated Glass, Add</i>	115.62	
			<i>For Obscure Glass, Add</i>	127.18	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	618.82	70.18
			<i>For Colored Vinyl, Add</i>	47.85	
			<i>For Tinted Glass, Add</i>	57.41	
			<i>For Low-E Insulated Glass, Add</i>	119.61	
			<i>For Obscure Glass, Add</i>	131.57	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	657.03	72.74
			<i>For Colored Vinyl, Add</i>	51.16	
			<i>For Tinted Glass, Add</i>	61.39	
			<i>For Low-E Insulated Glass, Add</i>	127.89	
			<i>For Obscure Glass, Add</i>	140.68	
08 53 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	608.86	70.18
			<i>For Colored Vinyl, Add</i>	46.85	
			<i>For Tinted Glass, Add</i>	56.22	
			<i>For Low-E Insulated Glass, Add</i>	117.12	
			<i>For Obscure Glass, Add</i>	128.83	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	629.70	72.74
			<i>For Colored Vinyl, Add</i>	48.55	
			<i>For Tinted Glass, Add</i>	58.26	
			<i>For Low-E Insulated Glass, Add</i>	121.38	
			<i>For Obscure Glass, Add</i>	133.52	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	651.84	74.65
			<i>For Colored Vinyl, Add</i>	50.25	
			<i>For Tinted Glass, Add</i>	60.30	
			<i>For Low-E Insulated Glass, Add</i>	125.64	
			<i>For Obscure Glass, Add</i>	138.20	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	690.65	77.21
			<i>For Colored Vinyl, Add</i>	53.62	
			<i>For Tinted Glass, Add</i>	64.35	
			<i>For Low-E Insulated Glass, Add</i>	134.06	
			<i>For Obscure Glass, Add</i>	147.47	
08 53 13 00-0241			64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	636.74	74.01
			<i>For Colored Vinyl, Add</i>	49.00	
			<i>For Tinted Glass, Add</i>	58.80	
			<i>For Low-E Insulated Glass, Add</i>	122.50	
			<i>For Obscure Glass, Add</i>	134.75	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	658.12	75.29
			<i>For Colored Vinyl, Add</i>	50.75	
			<i>For Tinted Glass, Add</i>	60.90	
			<i>For Low-E Insulated Glass, Add</i>	126.89	
			<i>For Obscure Glass, Add</i>	139.57	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	681.65	77.84
			<i>For Colored Vinyl, Add</i>	52.60	
			<i>For Tinted Glass, Add</i>	63.12	
			<i>For Low-E Insulated Glass, Add</i>	131.49	
			<i>For Obscure Glass, Add</i>	144.64	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	719.57	80.40
			<i>For Colored Vinyl, Add</i>	55.88	
			<i>For Tinted Glass, Add</i>	67.05	
			<i>For Low-E Insulated Glass, Add</i>	139.70	
			<i>For Obscure Glass, Add</i>	153.67	
08 53 13 00-0246			72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	671.09	77.84
			<i>For Colored Vinyl, Add</i>	51.54	
			<i>For Tinted Glass, Add</i>	61.85	
			<i>For Low-E Insulated Glass, Add</i>	128.85	
			<i>For Obscure Glass, Add</i>	141.74	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	693.55	80.40
			<i>For Colored Vinyl, Add</i>	53.40	
			<i>For Tinted Glass, Add</i>	64.08	
			<i>For Low-E Insulated Glass, Add</i>	133.51	
			<i>For Obscure Glass, Add</i>	146.86	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	716.10	82.30
			<i>For Colored Vinyl, Add</i>	55.15	
			<i>For Tinted Glass, Add</i>	66.18	
			<i>For Low-E Insulated Glass, Add</i>	137.87	
			<i>For Obscure Glass, Add</i>	151.66	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	753.57	84.86
			<i>For Colored Vinyl, Add</i>	58.39	
			<i>For Tinted Glass, Add</i>	70.06	
			<i>For Low-E Insulated Glass, Add</i>	145.96	
			<i>For Obscure Glass, Add</i>	160.56	
08 53 13 00-0251			Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252			36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	860.77	65.08
			<i>For Colored Vinyl, Add</i>	73.06	
			<i>For Tinted Glass, Add</i>	87.67	
			<i>For Low-E Insulated Glass, Add</i>	182.65	
			<i>For Obscure Glass, Add</i>	200.92	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	892.64	70.18
			<i>For Colored Vinyl, Add</i>	75.35	
			<i>For Tinted Glass, Add</i>	90.42	
			<i>For Low-E Insulated Glass, Add</i>	188.39	
			<i>For Obscure Glass, Add</i>	207.22	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	925.81	75.29
			<i>For Colored Vinyl, Add</i>	77.65	
			<i>For Tinted Glass, Add</i>	93.18	
			<i>For Low-E Insulated Glass, Add</i>	194.13	
			<i>For Obscure Glass, Add</i>	213.54	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	963.25	79.75
			<i>For Colored Vinyl, Add</i>	80.37	
			<i>For Tinted Glass, Add</i>	96.45	
			<i>For Low-E Insulated Glass, Add</i>	200.94	
			<i>For Obscure Glass, Add</i>	221.03	
08 53 13 00-0257			40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	911.34	68.27
			<i>For Colored Vinyl, Add</i>	77.48	
			<i>For Tinted Glass, Add</i>	92.98	
			<i>For Low-E Insulated Glass, Add</i>	193.70	
			<i>For Obscure Glass, Add</i>	213.07	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	945.09	72.74
			<i>For Colored Vinyl, Add</i>	79.96	
			<i>For Tinted Glass, Add</i>	95.95	
			<i>For Low-E Insulated Glass, Add</i>	199.91	
			<i>For Obscure Glass, Add</i>	219.90	
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	980.17	77.84
			<i>For Colored Vinyl, Add</i>	82.45	
			<i>For Tinted Glass, Add</i>	98.94	
			<i>For Low-E Insulated Glass, Add</i>	206.12	
			<i>For Obscure Glass, Add</i>	226.73	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,016.44	82.95
			<i>For Colored Vinyl, Add</i>	85.06	
			<i>For Tinted Glass, Add</i>	102.07	
			<i>For Low-E Insulated Glass, Add</i>	212.64	
			<i>For Obscure Glass, Add</i>	233.90	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263 EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	966.61	73.37
For Colored Vinyl, Add	81.99	
For Tinted Glass, Add	98.38	
For Low-E Insulated Glass, Add	204.97	
For Obscure Glass, Add	225.46	
08 53 13 00-0264 EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,001.74	77.84
For Colored Vinyl, Add	84.61	
For Tinted Glass, Add	101.53	
For Low-E Insulated Glass, Add	211.51	
For Obscure Glass, Add	232.66	
08 53 13 00-0265 EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,038.15	82.95
For Colored Vinyl, Add	87.23	
For Tinted Glass, Add	104.67	
For Low-E Insulated Glass, Add	218.07	
For Obscure Glass, Add	239.87	
08 53 13 00-0266 EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,077.63	88.05
For Colored Vinyl, Add	90.15	
For Tinted Glass, Add	108.18	
For Low-E Insulated Glass, Add	225.38	
For Obscure Glass, Add	247.92	
08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0268 EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,016.67	75.93
For Colored Vinyl, Add	86.48	
For Tinted Glass, Add	103.78	
For Low-E Insulated Glass, Add	216.21	
For Obscure Glass, Add	237.83	
08 53 13 00-0269 EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,053.60	80.40
For Colored Vinyl, Add	89.28	
For Tinted Glass, Add	107.14	
For Low-E Insulated Glass, Add	223.21	
For Obscure Glass, Add	245.53	
08 53 13 00-0270 EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,091.82	85.49
For Colored Vinyl, Add	92.08	
For Tinted Glass, Add	110.50	
For Low-E Insulated Glass, Add	230.21	
For Obscure Glass, Add	253.23	
08 53 13 00-0271 EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,131.92	90.60
For Colored Vinyl, Add	95.07	
For Tinted Glass, Add	114.09	
For Low-E Insulated Glass, Add	237.68	
For Obscure Glass, Add	261.45	
08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0273 EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,070.56	80.40
For Colored Vinyl, Add	90.98	
For Tinted Glass, Add	109.17	
For Low-E Insulated Glass, Add	227.45	
For Obscure Glass, Add	250.19	
08 53 13 00-0274 EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,109.32	85.49
For Colored Vinyl, Add	93.96	
For Tinted Glass, Add	112.75	
For Low-E Insulated Glass, Add	234.90	
For Obscure Glass, Add	258.39	
08 53 13 00-0275 EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,149.31	90.60
For Colored Vinyl, Add	96.94	
For Tinted Glass, Add	116.33	
For Low-E Insulated Glass, Add	242.35	
For Obscure Glass, Add	266.58	
08 53 13 00-0276 EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,190.01	95.07
For Colored Vinyl, Add	99.99	
For Tinted Glass, Add	119.98	
For Low-E Insulated Glass, Add	249.97	
For Obscure Glass, Add	274.96	
08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0278 EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,123.37	83.59
For Colored Vinyl, Add	95.62	
For Tinted Glass, Add	114.74	
For Low-E Insulated Glass, Add	239.05	
For Obscure Glass, Add	262.96	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,162.12	88.05
			<i>For Colored Vinyl, Add</i>	98.60	
			<i>For Tinted Glass, Add</i>	118.32	
			<i>For Low-E Insulated Glass, Add</i>	246.51	
			<i>For Obscure Glass, Add</i>	271.16	
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,201.97	93.15
			<i>For Colored Vinyl, Add</i>	101.57	
			<i>For Tinted Glass, Add</i>	121.88	
			<i>For Low-E Insulated Glass, Add</i>	253.92	
			<i>For Obscure Glass, Add</i>	279.31	
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,242.81	98.26
			<i>For Colored Vinyl, Add</i>	104.63	
			<i>For Tinted Glass, Add</i>	125.55	
			<i>For Low-E Insulated Glass, Add</i>	261.57	
			<i>For Obscure Glass, Add</i>	287.73	
08 53 13 00-0282			72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,181.73	88.05
			<i>For Colored Vinyl, Add</i>	100.56	
			<i>For Tinted Glass, Add</i>	120.68	
			<i>For Low-E Insulated Glass, Add</i>	251.41	
			<i>For Obscure Glass, Add</i>	276.55	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,220.48	93.15
			<i>For Colored Vinyl, Add</i>	103.55	
			<i>For Tinted Glass, Add</i>	124.25	
			<i>For Low-E Insulated Glass, Add</i>	258.86	
			<i>For Obscure Glass, Add</i>	284.75	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,260.51	98.26
			<i>For Colored Vinyl, Add</i>	106.53	
			<i>For Tinted Glass, Add</i>	127.83	
			<i>For Low-E Insulated Glass, Add</i>	266.32	
			<i>For Obscure Glass, Add</i>	292.95	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,301.21	102.73
			<i>For Colored Vinyl, Add</i>	109.58	
			<i>For Tinted Glass, Add</i>	131.49	
			<i>For Low-E Insulated Glass, Add</i>	273.94	
			<i>For Obscure Glass, Add</i>	301.33	
08 53 13 00-0287			Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0288			36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,063.05	82.95
			<i>For Colored Vinyl, Add</i>	89.72	
			<i>For Tinted Glass, Add</i>	107.66	
			<i>For Low-E Insulated Glass, Add</i>	224.29	
			<i>For Obscure Glass, Add</i>	246.72	
08 53 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,113.60	89.33
			<i>For Colored Vinyl, Add</i>	93.50	
			<i>For Tinted Glass, Add</i>	112.19	
			<i>For Low-E Insulated Glass, Add</i>	233.74	
			<i>For Obscure Glass, Add</i>	257.11	
08 53 13 00-0291	EA		86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,203.85	98.89
			<i>For Colored Vinyl, Add</i>	100.61	
			<i>For Tinted Glass, Add</i>	120.73	
			<i>For Low-E Insulated Glass, Add</i>	251.51	
			<i>For Obscure Glass, Add</i>	276.66	
08 53 13 00-0292			40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,132.46	86.77
			<i>For Colored Vinyl, Add</i>	96.02	
			<i>For Tinted Glass, Add</i>	115.22	
			<i>For Low-E Insulated Glass, Add</i>	240.05	
			<i>For Obscure Glass, Add</i>	264.05	
08 53 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,183.39	92.52
			<i>For Colored Vinyl, Add</i>	99.84	
			<i>For Tinted Glass, Add</i>	119.80	
			<i>For Low-E Insulated Glass, Add</i>	249.59	
			<i>For Obscure Glass, Add</i>	274.55	
08 53 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,278.75	102.08
			<i>For Colored Vinyl, Add</i>	107.46	
			<i>For Tinted Glass, Add</i>	128.95	
			<i>For Low-E Insulated Glass, Add</i>	268.64	
			<i>For Obscure Glass, Add</i>	295.51	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0296	48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0297	EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,197.96	91.88
	For Colored Vinyl, Add	101.42	
	For Tinted Glass, Add	121.70	
	For Low-E Insulated Glass, Add	253.55	
	For Obscure Glass, Add	278.91	
08 53 13 00-0298	EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,257.93	97.62
	For Colored Vinyl, Add	106.27	
	For Tinted Glass, Add	127.52	
	For Low-E Insulated Glass, Add	265.67	
	For Obscure Glass, Add	292.24	
08 53 13 00-0299	EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,357.65	107.19
	For Colored Vinyl, Add	114.33	
	For Tinted Glass, Add	137.19	
	For Low-E Insulated Glass, Add	285.82	
	For Obscure Glass, Add	314.40	
08 53 13 00-0300	52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0301	EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,263.92	94.43
	For Colored Vinyl, Add	107.51	
	For Tinted Glass, Add	129.01	
	For Low-E Insulated Glass, Add	268.77	
	For Obscure Glass, Add	295.64	
08 53 13 00-0302	EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,327.83	100.81
	For Colored Vinyl, Add	112.62	
	For Tinted Glass, Add	135.15	
	For Low-E Insulated Glass, Add	281.55	
	For Obscure Glass, Add	309.71	
08 53 13 00-0303	EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,441.55	109.74
	For Colored Vinyl, Add	122.21	
	For Tinted Glass, Add	146.65	
	For Low-E Insulated Glass, Add	305.52	
	For Obscure Glass, Add	336.07	
08 53 13 00-0304	60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0305	EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,333.69	98.89
	For Colored Vinyl, Add	113.59	
	For Tinted Glass, Add	136.31	
	For Low-E Insulated Glass, Add	283.97	
	For Obscure Glass, Add	312.37	
08 53 13 00-0306	EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,400.24	105.28
	For Colored Vinyl, Add	118.97	
	For Tinted Glass, Add	142.76	
	For Low-E Insulated Glass, Add	297.42	
	For Obscure Glass, Add	327.16	
08 53 13 00-0307	EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,529.27	114.21
	For Colored Vinyl, Add	130.09	
	For Tinted Glass, Add	156.10	
	For Low-E Insulated Glass, Add	325.22	
	For Obscure Glass, Add	357.74	
08 53 13 00-0308	64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0309	EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,408.80	102.08
	For Colored Vinyl, Add	120.46	
	For Tinted Glass, Add	144.55	
	For Low-E Insulated Glass, Add	301.16	
	For Obscure Glass, Add	331.27	
08 53 13 00-0310	EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,475.32	108.47
	For Colored Vinyl, Add	125.84	
	For Tinted Glass, Add	151.01	
	For Low-E Insulated Glass, Add	314.60	
	For Obscure Glass, Add	346.06	
08 53 13 00-0311	EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,604.36	117.40
	For Colored Vinyl, Add	136.96	
	For Tinted Glass, Add	164.35	
	For Low-E Insulated Glass, Add	342.39	
	For Obscure Glass, Add	376.63	
08 53 13 00-0312	72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0313	EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	1,486.60	106.55
	<i>For Colored Vinyl, Add</i>	127.35	
	<i>For Tinted Glass, Add</i>	152.82	
	<i>For Low-E Insulated Glass, Add</i>	318.37	
	<i>For Obscure Glass, Add</i>	350.21	
08 53 13 00-0314	EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	1,553.13	112.93
	<i>For Colored Vinyl, Add</i>	132.73	
	<i>For Tinted Glass, Add</i>	159.27	
	<i>For Low-E Insulated Glass, Add</i>	331.82	
	<i>For Obscure Glass, Add</i>	365.00	
08 53 13 00-0315	EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	1,682.16	121.86
	<i>For Colored Vinyl, Add</i>	143.84	
	<i>For Tinted Glass, Add</i>	172.61	
	<i>For Low-E Insulated Glass, Add</i>	359.61	
	<i>For Obscure Glass, Add</i>	395.57	
08 53 13 00-0316	Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317	One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318	EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	553.15	54.23
	<i>For Colored Vinyl, Add</i>	44.47	
	<i>For Tinted Glass, Add</i>	53.36	
	<i>For Low-E Insulated Glass, Add</i>	111.17	
	<i>For Obscure Glass, Add</i>	122.29	
08 53 13 00-0319	EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	627.79	60.62
	<i>For Colored Vinyl, Add</i>	50.66	
	<i>For Tinted Glass, Add</i>	60.79	
	<i>For Low-E Insulated Glass, Add</i>	126.64	
	<i>For Obscure Glass, Add</i>	139.30	
08 53 13 00-0320	EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	695.43	67.00
	<i>For Colored Vinyl, Add</i>	56.14	
	<i>For Tinted Glass, Add</i>	67.37	
	<i>For Low-E Insulated Glass, Add</i>	140.36	
	<i>For Obscure Glass, Add</i>	154.40	
08 53 13 00-0321	EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	756.09	73.37
	<i>For Colored Vinyl, Add</i>	60.93	
	<i>For Tinted Glass, Add</i>	73.12	
	<i>For Low-E Insulated Glass, Add</i>	152.34	
	<i>For Obscure Glass, Add</i>	167.57	
08 53 13 00-0322	EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	809.75	79.75
	<i>For Colored Vinyl, Add</i>	65.02	
	<i>For Tinted Glass, Add</i>	78.03	
	<i>For Low-E Insulated Glass, Add</i>	162.56	
	<i>For Obscure Glass, Add</i>	178.82	
08 53 13 00-0323	EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	843.14	86.14
	<i>For Colored Vinyl, Add</i>	67.09	
	<i>For Tinted Glass, Add</i>	80.50	
	<i>For Low-E Insulated Glass, Add</i>	167.72	
	<i>For Obscure Glass, Add</i>	184.49	
08 53 13 00-0324	UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	8.30	0.83
	<i>For Colored Vinyl, Add</i>	0.66	
	<i>For Tinted Glass, Add</i>	0.80	
	<i>For Low-E Insulated Glass, Add</i>	1.66	
	<i>For Obscure Glass, Add</i>	1.83	
08 53 13 00-0325	Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326	EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	912.35	67.00
	<i>For Colored Vinyl, Add</i>	77.84	
	<i>For Tinted Glass, Add</i>	93.40	
	<i>For Low-E Insulated Glass, Add</i>	194.59	
	<i>For Obscure Glass, Add</i>	214.05	
08 53 13 00-0327	EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,002.72	73.37
	<i>For Colored Vinyl, Add</i>	85.60	
	<i>For Tinted Glass, Add</i>	102.72	
	<i>For Low-E Insulated Glass, Add</i>	213.99	
	<i>For Obscure Glass, Add</i>	235.39	
08 53 13 00-0328	EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,086.10	79.75
	<i>For Colored Vinyl, Add</i>	92.66	
	<i>For Tinted Glass, Add</i>	111.19	
	<i>For Low-E Insulated Glass, Add</i>	231.65	
	<i>For Obscure Glass, Add</i>	254.81	
08 53 13 00-0329	EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,143.26	86.14
	<i>For Colored Vinyl, Add</i>	97.10	
	<i>For Tinted Glass, Add</i>	116.52	
	<i>For Low-E Insulated Glass, Add</i>	242.75	
	<i>For Obscure Glass, Add</i>	267.02	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0330	EA		>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,204.09	92.52
			<i>For Colored Vinyl, Add</i>	101.91	
			<i>For Tinted Glass, Add</i>	122.29	
			<i>For Low-E Insulated Glass, Add</i>	254.77	
			<i>For Obscure Glass, Add</i>	280.24	
08 53 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,267.55	98.89
			<i>For Colored Vinyl, Add</i>	106.98	
			<i>For Tinted Glass, Add</i>	128.37	
			<i>For Low-E Insulated Glass, Add</i>	267.44	
			<i>For Obscure Glass, Add</i>	294.18	
08 53 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	10.57	0.83
			<i>For Colored Vinyl, Add</i>	0.89	
			<i>For Tinted Glass, Add</i>	1.07	
			<i>For Low-E Insulated Glass, Add</i>	2.23	
			<i>For Obscure Glass, Add</i>	2.45	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)					
08 53 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	950.63	67.00
			<i>For Colored Vinyl, Add</i>	81.66	
			<i>For Tinted Glass, Add</i>	98.00	
			<i>For Low-E Insulated Glass, Add</i>	204.16	
			<i>For Obscure Glass, Add</i>	224.58	
08 53 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,045.20	73.37
			<i>For Colored Vinyl, Add</i>	89.85	
			<i>For Tinted Glass, Add</i>	107.81	
			<i>For Low-E Insulated Glass, Add</i>	224.61	
			<i>For Obscure Glass, Add</i>	247.07	
08 53 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,134.87	79.75
			<i>For Colored Vinyl, Add</i>	97.54	
			<i>For Tinted Glass, Add</i>	117.04	
			<i>For Low-E Insulated Glass, Add</i>	243.84	
			<i>For Obscure Glass, Add</i>	268.22	
08 53 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,196.22	86.14
			<i>For Colored Vinyl, Add</i>	102.40	
			<i>For Tinted Glass, Add</i>	122.87	
			<i>For Low-E Insulated Glass, Add</i>	255.99	
			<i>For Obscure Glass, Add</i>	281.59	
08 53 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,261.77	92.52
			<i>For Colored Vinyl, Add</i>	107.67	
			<i>For Tinted Glass, Add</i>	129.21	
			<i>For Low-E Insulated Glass, Add</i>	269.19	
			<i>For Obscure Glass, Add</i>	296.10	
08 53 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,330.47	98.89
			<i>For Colored Vinyl, Add</i>	113.27	
			<i>For Tinted Glass, Add</i>	135.92	
			<i>For Low-E Insulated Glass, Add</i>	283.17	
			<i>For Obscure Glass, Add</i>	311.48	
08 53 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	11.10	0.83
			<i>For Colored Vinyl, Add</i>	0.94	
			<i>For Tinted Glass, Add</i>	1.13	
			<i>For Low-E Insulated Glass, Add</i>	2.36	
			<i>For Obscure Glass, Add</i>	2.60	
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)					
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)					
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.					
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)					
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)					
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	556.21	52.32
			<i>For Colored Vinyl, Add</i>	45.16	
			<i>For Tinted Glass, Add</i>	54.19	
			<i>For Low-E Insulated Glass, Add</i>	112.89	
			<i>For Obscure Glass, Add</i>	124.18	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	582.28	54.88
			<i>For Colored Vinyl, Add</i>	47.25	
			<i>For Tinted Glass, Add</i>	56.70	
			<i>For Low-E Insulated Glass, Add</i>	118.14	
			<i>For Obscure Glass, Add</i>	129.95	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	622.68	59.34
			<i>For Colored Vinyl, Add</i>	50.40	
			<i>For Tinted Glass, Add</i>	60.48	
			<i>For Low-E Insulated Glass, Add</i>	126.00	
			<i>For Obscure Glass, Add</i>	138.60	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0348 EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	648.85	62.53
For Colored Vinyl, Add	52.38	
For Tinted Glass, Add	62.85	
For Low-E Insulated Glass, Add	130.95	
For Obscure Glass, Add	144.04	
08 53 13 00-0349 EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	691.70	67.63
For Colored Vinyl, Add	55.64	
For Tinted Glass, Add	66.77	
For Low-E Insulated Glass, Add	139.11	
For Obscure Glass, Add	153.02	
08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0351 EA 24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	586.26	54.88
For Colored Vinyl, Add	47.78	
For Tinted Glass, Add	57.33	
For Low-E Insulated Glass, Add	119.45	
For Obscure Glass, Add	131.39	
08 53 13 00-0352 EA 28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	612.33	57.42
For Colored Vinyl, Add	49.88	
For Tinted Glass, Add	59.85	
For Low-E Insulated Glass, Add	124.69	
For Obscure Glass, Add	137.16	
08 53 13 00-0353 EA 36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	655.64	61.25
For Colored Vinyl, Add	53.31	
For Tinted Glass, Add	63.98	
For Low-E Insulated Glass, Add	133.28	
For Obscure Glass, Add	146.61	
08 53 13 00-0354 EA 40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	681.83	65.08
For Colored Vinyl, Add	55.30	
For Tinted Glass, Add	66.35	
For Low-E Insulated Glass, Add	138.24	
For Obscure Glass, Add	152.06	
08 53 13 00-0355 EA 48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	727.57	69.55
For Colored Vinyl, Add	58.85	
For Tinted Glass, Add	70.62	
For Low-E Insulated Glass, Add	147.12	
For Obscure Glass, Add	161.83	
08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0357 EA 24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	605.90	57.42
For Colored Vinyl, Add	49.23	
For Tinted Glass, Add	59.08	
For Low-E Insulated Glass, Add	123.08	
For Obscure Glass, Add	135.39	
08 53 13 00-0358 EA 28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	631.97	59.97
For Colored Vinyl, Add	51.33	
For Tinted Glass, Add	61.60	
For Low-E Insulated Glass, Add	128.33	
For Obscure Glass, Add	141.16	
08 53 13 00-0359 EA 36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	676.75	63.81
For Colored Vinyl, Add	54.91	
For Tinted Glass, Add	65.90	
For Low-E Insulated Glass, Add	137.29	
For Obscure Glass, Add	151.01	
08 53 13 00-0360 EA 40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	705.29	67.63
For Colored Vinyl, Add	57.13	
For Tinted Glass, Add	68.56	
For Low-E Insulated Glass, Add	142.83	
For Obscure Glass, Add	157.11	
08 53 13 00-0361 EA 48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	751.60	72.10
For Colored Vinyl, Add	60.74	
For Tinted Glass, Add	72.89	
For Low-E Insulated Glass, Add	151.85	
For Obscure Glass, Add	167.04	
08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0363 EA 24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	625.58	59.97
For Colored Vinyl, Add	50.69	
For Tinted Glass, Add	60.83	
For Low-E Insulated Glass, Add	126.73	
For Obscure Glass, Add	139.40	
08 53 13 00-0364 EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	651.66	62.53
For Colored Vinyl, Add	52.79	
For Tinted Glass, Add	63.35	
For Low-E Insulated Glass, Add	131.97	
For Obscure Glass, Add	145.17	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	697.89	66.36
			<i>For Colored Vinyl, Add</i>	56.52	
			<i>For Tinted Glass, Add</i>	67.82	
			<i>For Low-E Insulated Glass, Add</i>	141.30	
			<i>For Obscure Glass, Add</i>	155.42	
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	728.62	70.18
			<i>For Colored Vinyl, Add</i>	58.95	
			<i>For Tinted Glass, Add</i>	70.74	
			<i>For Low-E Insulated Glass, Add</i>	147.38	
			<i>For Obscure Glass, Add</i>	162.12	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	775.66	74.65
			<i>For Colored Vinyl, Add</i>	62.64	
			<i>For Tinted Glass, Add</i>	75.16	
			<i>For Low-E Insulated Glass, Add</i>	156.59	
			<i>For Obscure Glass, Add</i>	172.25	
08 53 13 00-0368			36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	738.86	70.82
			<i>For Colored Vinyl, Add</i>	59.72	
			<i>For Tinted Glass, Add</i>	71.67	
			<i>For Low-E Insulated Glass, Add</i>	149.30	
			<i>For Obscure Glass, Add</i>	164.23	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	769.60	74.01
			<i>For Colored Vinyl, Add</i>	62.16	
			<i>For Tinted Glass, Add</i>	74.59	
			<i>For Low-E Insulated Glass, Add</i>	155.39	
			<i>For Obscure Glass, Add</i>	170.93	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	819.55	79.12
			<i>For Colored Vinyl, Add</i>	66.13	
			<i>For Tinted Glass, Add</i>	79.36	
			<i>For Low-E Insulated Glass, Add</i>	165.33	
			<i>For Obscure Glass, Add</i>	181.86	
08 53 13 00-0372			Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	580.94	54.23
			<i>For Colored Vinyl, Add</i>	47.25	
			<i>For Tinted Glass, Add</i>	56.70	
			<i>For Low-E Insulated Glass, Add</i>	118.12	
			<i>For Obscure Glass, Add</i>	129.93	
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	671.84	60.62
			<i>For Colored Vinyl, Add</i>	55.06	
			<i>For Tinted Glass, Add</i>	66.07	
			<i>For Low-E Insulated Glass, Add</i>	137.65	
			<i>For Obscure Glass, Add</i>	151.42	
08 53 13 00-0375	EA		>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	759.23	67.00
			<i>For Colored Vinyl, Add</i>	62.52	
			<i>For Tinted Glass, Add</i>	75.03	
			<i>For Low-E Insulated Glass, Add</i>	156.31	
			<i>For Obscure Glass, Add</i>	171.94	
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	843.14	73.37
			<i>For Colored Vinyl, Add</i>	69.64	
			<i>For Tinted Glass, Add</i>	83.57	
			<i>For Low-E Insulated Glass, Add</i>	174.10	
			<i>For Obscure Glass, Add</i>	191.51	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	923.54	79.75
			<i>For Colored Vinyl, Add</i>	76.40	
			<i>For Tinted Glass, Add</i>	91.68	
			<i>For Low-E Insulated Glass, Add</i>	191.01	
			<i>For Obscure Glass, Add</i>	210.11	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	966.72	86.14
			<i>For Colored Vinyl, Add</i>	79.45	
			<i>For Tinted Glass, Add</i>	95.33	
			<i>For Low-E Insulated Glass, Add</i>	198.61	
			<i>For Obscure Glass, Add</i>	218.47	
08 53 13 00-0379	UI		>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	9.53	0.83
			<i>For Colored Vinyl, Add</i>	0.79	
			<i>For Tinted Glass, Add</i>	0.94	
			<i>For Low-E Insulated Glass, Add</i>	1.97	
			<i>For Obscure Glass, Add</i>	2.16	
08 53 13 00-0380			Horizontal Sliding Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0381			New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382			20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	334.83	62.53
			<i>For Colored Vinyl, Add</i>	21.11	
			<i>For Tinted Glass, Add</i>	25.33	
			<i>For Low-E Insulated Glass, Add</i>	52.76	
			<i>For Obscure Glass, Add</i>	58.04	
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	370.84	70.18
			<i>For Colored Vinyl, Add</i>	23.17	
			<i>For Tinted Glass, Add</i>	27.81	
			<i>For Low-E Insulated Glass, Add</i>	57.94	
			<i>For Obscure Glass, Add</i>	63.73	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	388.84	73.37
			<i>For Colored Vinyl, Add</i>	24.21	
			<i>For Tinted Glass, Add</i>	29.05	
			<i>For Low-E Insulated Glass, Add</i>	60.52	
			<i>For Obscure Glass, Add</i>	66.57	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	406.85	77.21
			<i>For Colored Vinyl, Add</i>	25.24	
			<i>For Tinted Glass, Add</i>	30.29	
			<i>For Low-E Insulated Glass, Add</i>	63.11	
			<i>For Obscure Glass, Add</i>	69.42	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	418.84	80.40
			<i>For Colored Vinyl, Add</i>	25.93	
			<i>For Tinted Glass, Add</i>	31.12	
			<i>For Low-E Insulated Glass, Add</i>	64.83	
			<i>For Obscure Glass, Add</i>	71.32	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	442.86	84.86
			<i>For Colored Vinyl, Add</i>	27.31	
			<i>For Tinted Glass, Add</i>	32.78	
			<i>For Low-E Insulated Glass, Add</i>	68.29	
			<i>For Obscure Glass, Add</i>	75.11	
08 53 13 00-0389			24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	351.57	65.08
			<i>For Colored Vinyl, Add</i>	22.27	
			<i>For Tinted Glass, Add</i>	26.72	
			<i>For Low-E Insulated Glass, Add</i>	55.67	
			<i>For Obscure Glass, Add</i>	61.24	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	388.52	72.74
			<i>For Colored Vinyl, Add</i>	24.43	
			<i>For Tinted Glass, Add</i>	29.32	
			<i>For Low-E Insulated Glass, Add</i>	61.08	
			<i>For Obscure Glass, Add</i>	67.19	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	407.12	75.93
			<i>For Colored Vinyl, Add</i>	25.53	
			<i>For Tinted Glass, Add</i>	30.63	
			<i>For Low-E Insulated Glass, Add</i>	63.82	
			<i>For Obscure Glass, Add</i>	70.20	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	425.51	79.75
			<i>For Colored Vinyl, Add</i>	26.60	
			<i>For Tinted Glass, Add</i>	31.92	
			<i>For Low-E Insulated Glass, Add</i>	66.50	
			<i>For Obscure Glass, Add</i>	73.15	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	437.83	82.95
			<i>For Colored Vinyl, Add</i>	27.32	
			<i>For Tinted Glass, Add</i>	32.79	
			<i>For Low-E Insulated Glass, Add</i>	68.30	
			<i>For Obscure Glass, Add</i>	75.13	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	462.46	87.41
			<i>For Colored Vinyl, Add</i>	28.76	
			<i>For Tinted Glass, Add</i>	34.52	
			<i>For Low-E Insulated Glass, Add</i>	71.91	
			<i>For Obscure Glass, Add</i>	79.10	
08 53 13 00-0396			36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	402.12	72.74
			<i>For Colored Vinyl, Add</i>	25.79	
			<i>For Tinted Glass, Add</i>	30.95	
			<i>For Low-E Insulated Glass, Add</i>	64.48	
			<i>For Obscure Glass, Add</i>	70.93	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	442.12	80.40
			<i>For Colored Vinyl, Add</i>	28.26	
			<i>For Tinted Glass, Add</i>	33.91	
			<i>For Low-E Insulated Glass, Add</i>	70.65	
			<i>For Obscure Glass, Add</i>	77.72	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	462.15	83.59
			<i>For Colored Vinyl, Add</i>	29.50	
			<i>For Tinted Glass, Add</i>	35.40	
			<i>For Low-E Insulated Glass, Add</i>	73.75	
			<i>For Obscure Glass, Add</i>	81.12	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	482.15	87.41
			<i>For Colored Vinyl, Add</i>	30.73	
			<i>For Tinted Glass, Add</i>	36.88	
			<i>For Low-E Insulated Glass, Add</i>	76.83	
			<i>For Obscure Glass, Add</i>	84.52	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	495.51	89.33
			<i>For Colored Vinyl, Add</i>	31.56	
			<i>For Tinted Glass, Add</i>	37.87	
			<i>For Low-E Insulated Glass, Add</i>	78.90	
			<i>For Obscure Glass, Add</i>	86.78	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	522.18	95.07
			<i>For Colored Vinyl, Add</i>	33.20	
			<i>For Tinted Glass, Add</i>	39.84	
			<i>For Low-E Insulated Glass, Add</i>	83.01	
			<i>For Obscure Glass, Add</i>	91.31	
08 53 13 00-0403			42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	427.40	76.56
			<i>For Colored Vinyl, Add</i>	27.56	
			<i>For Tinted Glass, Add</i>	33.07	
			<i>For Low-E Insulated Glass, Add</i>	68.89	
			<i>For Obscure Glass, Add</i>	75.78	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	468.94	84.22
			<i>For Colored Vinyl, Add</i>	30.18	
			<i>For Tinted Glass, Add</i>	36.21	
			<i>For Low-E Insulated Glass, Add</i>	75.44	
			<i>For Obscure Glass, Add</i>	82.99	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	489.73	87.41
			<i>For Colored Vinyl, Add</i>	31.49	
			<i>For Tinted Glass, Add</i>	37.79	
			<i>For Low-E Insulated Glass, Add</i>	78.73	
			<i>For Obscure Glass, Add</i>	86.60	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	510.50	91.24
			<i>For Colored Vinyl, Add</i>	32.80	
			<i>For Tinted Glass, Add</i>	39.36	
			<i>For Low-E Insulated Glass, Add</i>	82.01	
			<i>For Obscure Glass, Add</i>	90.21	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	524.32	94.43
			<i>For Colored Vinyl, Add</i>	33.67	
			<i>For Tinted Glass, Add</i>	40.41	
			<i>For Low-E Insulated Glass, Add</i>	84.18	
			<i>For Obscure Glass, Add</i>	92.60	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	552.04	98.89
			<i>For Colored Vinyl, Add</i>	35.42	
			<i>For Tinted Glass, Add</i>	42.51	
			<i>For Low-E Insulated Glass, Add</i>	88.56	
			<i>For Obscure Glass, Add</i>	97.42	
08 53 13 00-0410			44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	435.83	77.84
			<i>For Colored Vinyl, Add</i>	28.14	
			<i>For Tinted Glass, Add</i>	33.77	
			<i>For Low-E Insulated Glass, Add</i>	70.36	
			<i>For Obscure Glass, Add</i>	77.39	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	477.88	85.49
			<i>For Colored Vinyl, Add</i>	30.82	
			<i>For Tinted Glass, Add</i>	36.98	
			<i>For Low-E Insulated Glass, Add</i>	77.04	
			<i>For Obscure Glass, Add</i>	84.74	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	498.89	88.69
			<i>For Colored Vinyl, Add</i>	32.15	
			<i>For Tinted Glass, Add</i>	38.58	
			<i>For Low-E Insulated Glass, Add</i>	80.38	
			<i>For Obscure Glass, Add</i>	88.42	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	519.94	92.52
			<i>For Colored Vinyl, Add</i>	33.49	
			<i>For Tinted Glass, Add</i>	40.19	
			<i>For Low-E Insulated Glass, Add</i>	83.73	
			<i>For Obscure Glass, Add</i>	92.10	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	533.96	95.70
			<i>For Colored Vinyl, Add</i>	34.38	
			<i>For Tinted Glass, Add</i>	41.26	
			<i>For Low-E Insulated Glass, Add</i>	85.96	
			<i>For Obscure Glass, Add</i>	94.55	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	561.96	100.18
			<i>For Colored Vinyl, Add</i>	36.16	
			<i>For Tinted Glass, Add</i>	43.39	
			<i>For Low-E Insulated Glass, Add</i>	90.41	
			<i>For Obscure Glass, Add</i>	99.45	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0417			46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	444.25	79.12
			<i>For Colored Vinyl, Add</i>	28.73	
			<i>For Tinted Glass, Add</i>	34.47	
			<i>For Low-E Insulated Glass, Add</i>	71.82	
			<i>For Obscure Glass, Add</i>	79.00	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	486.80	86.77
			<i>For Colored Vinyl, Add</i>	31.45	
			<i>For Tinted Glass, Add</i>	37.74	
			<i>For Low-E Insulated Glass, Add</i>	78.63	
			<i>For Obscure Glass, Add</i>	86.50	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	508.09	89.96
			<i>For Colored Vinyl, Add</i>	32.82	
			<i>For Tinted Glass, Add</i>	39.38	
			<i>For Low-E Insulated Glass, Add</i>	82.04	
			<i>For Obscure Glass, Add</i>	90.24	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	529.35	93.79
			<i>For Colored Vinyl, Add</i>	34.18	
			<i>For Tinted Glass, Add</i>	41.01	
			<i>For Low-E Insulated Glass, Add</i>	85.44	
			<i>For Obscure Glass, Add</i>	93.98	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	543.54	96.99
			<i>For Colored Vinyl, Add</i>	35.09	
			<i>For Tinted Glass, Add</i>	42.10	
			<i>For Low-E Insulated Glass, Add</i>	87.71	
			<i>For Obscure Glass, Add</i>	96.48	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	571.92	101.45
			<i>For Colored Vinyl, Add</i>	36.90	
			<i>For Tinted Glass, Add</i>	44.28	
			<i>For Low-E Insulated Glass, Add</i>	92.26	
			<i>For Obscure Glass, Add</i>	101.48	
08 53 13 00-0424			48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	452.68	80.40
			<i>For Colored Vinyl, Add</i>	29.32	
			<i>For Tinted Glass, Add</i>	35.18	
			<i>For Low-E Insulated Glass, Add</i>	73.29	
			<i>For Obscure Glass, Add</i>	80.62	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	495.74	88.05
			<i>For Colored Vinyl, Add</i>	32.09	
			<i>For Tinted Glass, Add</i>	38.51	
			<i>For Low-E Insulated Glass, Add</i>	80.23	
			<i>For Obscure Glass, Add</i>	88.25	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	517.28	91.24
			<i>For Colored Vinyl, Add</i>	33.48	
			<i>For Tinted Glass, Add</i>	40.18	
			<i>For Low-E Insulated Glass, Add</i>	83.70	
			<i>For Obscure Glass, Add</i>	92.07	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	538.79	95.07
			<i>For Colored Vinyl, Add</i>	34.87	
			<i>For Tinted Glass, Add</i>	41.84	
			<i>For Low-E Insulated Glass, Add</i>	87.16	
			<i>For Obscure Glass, Add</i>	95.88	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	553.15	98.26
			<i>For Colored Vinyl, Add</i>	35.79	
			<i>For Tinted Glass, Add</i>	42.95	
			<i>For Low-E Insulated Glass, Add</i>	89.48	
			<i>For Obscure Glass, Add</i>	98.43	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	581.89	102.73
			<i>For Colored Vinyl, Add</i>	37.64	
			<i>For Tinted Glass, Add</i>	45.17	
			<i>For Low-E Insulated Glass, Add</i>	94.11	
			<i>For Obscure Glass, Add</i>	103.52	
08 53 13 00-0431			50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	461.10	81.67
			<i>For Colored Vinyl, Add</i>	29.90	
			<i>For Tinted Glass, Add</i>	35.88	
			<i>For Low-E Insulated Glass, Add</i>	74.76	
			<i>For Obscure Glass, Add</i>	82.24	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	504.66	89.33
			<i>For Colored Vinyl, Add</i>	32.73	
			<i>For Tinted Glass, Add</i>	39.27	
			<i>For Low-E Insulated Glass, Add</i>	81.82	
			<i>For Obscure Glass, Add</i>	90.00	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	526.44	92.52
			<i>For Colored Vinyl, Add</i>	34.14	
			<i>For Tinted Glass, Add</i>	40.97	
			<i>For Low-E Insulated Glass, Add</i>	85.35	
			<i>For Obscure Glass, Add</i>	93.89	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	548.22	96.34
			<i>For Colored Vinyl, Add</i>	35.55	
			<i>For Tinted Glass, Add</i>	42.66	
			<i>For Low-E Insulated Glass, Add</i>	88.88	
			<i>For Obscure Glass, Add</i>	97.77	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	562.77	99.53
			<i>For Colored Vinyl, Add</i>	36.50	
			<i>For Tinted Glass, Add</i>	43.80	
			<i>For Low-E Insulated Glass, Add</i>	91.24	
			<i>For Obscure Glass, Add</i>	100.37	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	591.82	104.00
			<i>For Colored Vinyl, Add</i>	38.38	
			<i>For Tinted Glass, Add</i>	46.06	
			<i>For Low-E Insulated Glass, Add</i>	95.96	
			<i>For Obscure Glass, Add</i>	105.55	
08 53 13 00-0438			52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	469.53	82.95
			<i>For Colored Vinyl, Add</i>	30.49	
			<i>For Tinted Glass, Add</i>	36.59	
			<i>For Low-E Insulated Glass, Add</i>	76.23	
			<i>For Obscure Glass, Add</i>	83.85	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	513.61	90.60
			<i>For Colored Vinyl, Add</i>	33.37	
			<i>For Tinted Glass, Add</i>	40.04	
			<i>For Low-E Insulated Glass, Add</i>	83.42	
			<i>For Obscure Glass, Add</i>	91.76	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	535.64	93.79
			<i>For Colored Vinyl, Add</i>	34.81	
			<i>For Tinted Glass, Add</i>	41.77	
			<i>For Low-E Insulated Glass, Add</i>	87.01	
			<i>For Obscure Glass, Add</i>	95.71	
08 53 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	557.70	97.62
			<i>For Colored Vinyl, Add</i>	36.25	
			<i>For Tinted Glass, Add</i>	43.50	
			<i>For Low-E Insulated Glass, Add</i>	90.62	
			<i>For Obscure Glass, Add</i>	99.68	
08 53 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	572.37	100.81
			<i>For Colored Vinyl, Add</i>	37.20	
			<i>For Tinted Glass, Add</i>	44.64	
			<i>For Low-E Insulated Glass, Add</i>	93.01	
			<i>For Obscure Glass, Add</i>	102.31	
08 53 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	601.78	105.28
			<i>For Colored Vinyl, Add</i>	39.12	
			<i>For Tinted Glass, Add</i>	46.95	
			<i>For Low-E Insulated Glass, Add</i>	97.81	
			<i>For Obscure Glass, Add</i>	107.59	
08 53 13 00-0445			54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	477.96	84.22
			<i>For Colored Vinyl, Add</i>	31.08	
			<i>For Tinted Glass, Add</i>	37.29	
			<i>For Low-E Insulated Glass, Add</i>	77.70	
			<i>For Obscure Glass, Add</i>	85.47	
08 53 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	522.53	91.88
			<i>For Colored Vinyl, Add</i>	34.01	
			<i>For Tinted Glass, Add</i>	40.81	
			<i>For Low-E Insulated Glass, Add</i>	85.01	
			<i>For Obscure Glass, Add</i>	93.51	
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	544.84	95.07
			<i>For Colored Vinyl, Add</i>	35.47	
			<i>For Tinted Glass, Add</i>	42.56	
			<i>For Low-E Insulated Glass, Add</i>	88.68	
			<i>For Obscure Glass, Add</i>	97.54	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	567.14	98.89
			<i>For Colored Vinyl, Add</i>	36.93	
			<i>For Tinted Glass, Add</i>	44.32	
			<i>For Low-E Insulated Glass, Add</i>	92.34	
			<i>For Obscure Glass, Add</i>	101.57	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	581.99	102.08
			<i>For Colored Vinyl, Add</i>	37.91	
			<i>For Tinted Glass, Add</i>	45.49	
			<i>For Low-E Insulated Glass, Add</i>	94.78	
			<i>For Obscure Glass, Add</i>	104.25	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	611.71	106.55
			<i>For Colored Vinyl, Add</i>	39.86	
			<i>For Tinted Glass, Add</i>	47.83	
			<i>For Low-E Insulated Glass, Add</i>	99.65	
			<i>For Obscure Glass, Add</i>	109.62	
08 53 13 00-0452			60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	518.71	88.05
			<i>For Colored Vinyl, Add</i>	34.39	
			<i>For Tinted Glass, Add</i>	41.27	
			<i>For Low-E Insulated Glass, Add</i>	85.97	
			<i>For Obscure Glass, Add</i>	94.57	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	549.34	95.70
			<i>For Colored Vinyl, Add</i>	35.92	
			<i>For Tinted Glass, Add</i>	43.10	
			<i>For Low-E Insulated Glass, Add</i>	89.80	
			<i>For Obscure Glass, Add</i>	98.78	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	572.42	98.89
			<i>For Colored Vinyl, Add</i>	37.46	
			<i>For Tinted Glass, Add</i>	44.95	
			<i>For Low-E Insulated Glass, Add</i>	93.66	
			<i>For Obscure Glass, Add</i>	103.02	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	595.45	102.73
			<i>For Colored Vinyl, Add</i>	39.00	
			<i>For Tinted Glass, Add</i>	46.80	
			<i>For Low-E Insulated Glass, Add</i>	97.50	
			<i>For Obscure Glass, Add</i>	107.25	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	610.83	105.92
			<i>For Colored Vinyl, Add</i>	40.03	
			<i>For Tinted Glass, Add</i>	48.03	
			<i>For Low-E Insulated Glass, Add</i>	100.07	
			<i>For Obscure Glass, Add</i>	110.08	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	641.57	110.38
			<i>For Colored Vinyl, Add</i>	42.08	
			<i>For Tinted Glass, Add</i>	50.50	
			<i>For Low-E Insulated Glass, Add</i>	105.20	
			<i>For Obscure Glass, Add</i>	115.72	
08 53 13 00-0459			Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) <small>(08 53 13 00-0390)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	529.55	67.00
			<i>For Colored Vinyl, Add</i>	39.56	
			<i>For Tinted Glass, Add</i>	47.47	
			<i>For Low-E Insulated Glass, Add</i>	98.89	
			<i>For Obscure Glass, Add</i>	108.78	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	581.99	73.37
			<i>For Colored Vinyl, Add</i>	43.52	
			<i>For Tinted Glass, Add</i>	52.23	
			<i>For Low-E Insulated Glass, Add</i>	108.81	
			<i>For Obscure Glass, Add</i>	119.69	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	630.93	79.75
			<i>For Colored Vinyl, Add</i>	47.14	
			<i>For Tinted Glass, Add</i>	56.57	
			<i>For Low-E Insulated Glass, Add</i>	117.86	
			<i>For Obscure Glass, Add</i>	129.64	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	666.59	86.14
			<i>For Colored Vinyl, Add</i>	49.43	
			<i>For Tinted Glass, Add</i>	59.32	
			<i>For Low-E Insulated Glass, Add</i>	123.58	
			<i>For Obscure Glass, Add</i>	135.94	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	704.17	92.52
			<i>For Colored Vinyl, Add</i>	51.91	
			<i>For Tinted Glass, Add</i>	62.30	
			<i>For Low-E Insulated Glass, Add</i>	129.79	
			<i>For Obscure Glass, Add</i>	142.76	
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	764.14	98.89
			<i>For Colored Vinyl, Add</i>	56.63	
			<i>For Tinted Glass, Add</i>	67.96	
			<i>For Low-E Insulated Glass, Add</i>	141.59	
			<i>For Obscure Glass, Add</i>	155.74	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	6.38	0.83
			<i>For Colored Vinyl, Add</i>	0.47	
			<i>For Tinted Glass, Add</i>	0.57	
			<i>For Low-E Insulated Glass, Add</i>	1.18	
			<i>For Obscure Glass, Add</i>	1.30	
08 53 13 00-0467			Basement Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0468			New Construction, Basement Vinyl Windows (Silver Line 5900) <small>(08 53 13 00-0467)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	311.83	51.04
For Colored Vinyl, Add	20.98	
For Tinted Glass, Add	25.17	
For Low-E Insulated Glass, Add	52.44	
For Obscure Glass, Add	57.68	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	336.31	51.04
For Colored Vinyl, Add	23.42	
For Tinted Glass, Add	28.11	
For Low-E Insulated Glass, Add	58.56	
For Obscure Glass, Add	64.41	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	350.29	51.04
For Colored Vinyl, Add	24.82	
For Tinted Glass, Add	29.79	
For Low-E Insulated Glass, Add	62.05	
For Obscure Glass, Add	68.26	
08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	396.68	49.77
For Colored Vinyl, Add	29.72	
For Tinted Glass, Add	35.66	
For Low-E Insulated Glass, Add	74.29	
For Obscure Glass, Add	81.72	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window.....	441.72	57.42
For Colored Vinyl, Add	32.69	
For Tinted Glass, Add	39.22	
For Low-E Insulated Glass, Add	81.72	
For Obscure Glass, Add	89.89	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window.....	7.60	0.83
For Colored Vinyl, Add	0.59	
For Tinted Glass, Add	0.71	
For Low-E Insulated Glass, Add	1.49	
For Obscure Glass, Add	1.63	
08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	48.94	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	62.93	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	81.04	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	95.66	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	117.59	
08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	111.23	
08 53 13 00-0486 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	133.48	
08 53 13 00-0487 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	168.44	
08 53 13 00-0488 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	209.75	
08 53 13 00-0489 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	251.07	
08 53 66 Vinyl Window Screens (08 53)		
08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002 EA Up To 6 SF, Insect Screen For Vinyl Windows.....	49.78	9.00
08 53 66 00-0003 EA >6 To 9 SF, Insect Screen For Vinyl Windows.....	68.85	9.00
08 53 66 00-0004 EA >9 To 12 SF, Insect Screen For Vinyl Windows.....	75.21	9.00
08 53 66 00-0005 EA >12 To 15 SF, Insect Screen For Vinyl Windows.....	87.92	9.00
08 53 66 00-0006 EA >15 To 20 SF, Insect Screen For Vinyl Windows.....	116.52	9.00
08 53 66 00-0007 EA >20 To 25 SF, Insect Screen For Vinyl Windows.....	129.23	9.00
08 53 66 00-0008 EA >25 To 30 SF, Insect Screen For Vinyl Windows.....	148.30	9.00
08 53 66 00-0009 EA >30 To 35 SF, Insect Screen For Vinyl Windows.....	161.01	9.00
08 53 66 00-0010 SF >35 SF, Insect Screen For Vinyl Windows.....	4.90	0.18

08 54 Composite Windows (08 50)

08 54 13 Fiberglass Windows (08 54)

08 54 13 00-0001 Single Hung Fiberglass Windows (08 54 13)

08 Openings

08 50 Windows

08 54 Composite Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 54 13 00-0002		New Construction, Single Hung Fiberglass Windows (08 54 13 00-0001)		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0003		34" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0004	EA	24" x 34", New Construction, Single Hung Fiberglass Window.....	946.52	58.70
		For Colored Vinyl, Add	82.91	
		For Tinted Glass, Add	99.49	
		For Low-E Insulated Glass, Add	207.28	
		For Obscure Glass, Add	228.01	
08 54 13 00-0005	EA	28" x 34", New Construction, Single Hung Fiberglass Window.....	997.80	61.25
		For Colored Vinyl, Add	87.53	
		For Tinted Glass, Add	105.03	
		For Low-E Insulated Glass, Add	218.82	
		For Obscure Glass, Add	240.70	
08 54 13 00-0006	EA	30" x 34", New Construction, Single Hung Fiberglass Window.....	1,018.21	62.53
		For Colored Vinyl, Add	89.32	
		For Tinted Glass, Add	107.18	
		For Low-E Insulated Glass, Add	223.29	
		For Obscure Glass, Add	245.62	
08 54 13 00-0007	EA	32" x 34", New Construction, Single Hung Fiberglass Window.....	1,040.91	63.81
		For Colored Vinyl, Add	91.33	
		For Tinted Glass, Add	109.60	
		For Low-E Insulated Glass, Add	228.33	
		For Obscure Glass, Add	251.16	
08 54 13 00-0008	EA	36" x 34", New Construction, Single Hung Fiberglass Window.....	1,102.54	66.36
		For Colored Vinyl, Add	96.98	
		For Tinted Glass, Add	116.38	
		For Low-E Insulated Glass, Add	242.46	
		For Obscure Glass, Add	266.70	
08 54 13 00-0009	EA	44" x 34", New Construction, Single Hung Fiberglass Window.....	1,198.17	71.46
		For Colored Vinyl, Add	105.53	
		For Tinted Glass, Add	126.63	
		For Low-E Insulated Glass, Add	263.81	
		For Obscure Glass, Add	290.19	
08 54 13 00-0010		36" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0011	EA	24" x 36", New Construction, Single Hung Fiberglass Window.....	965.31	59.97
		For Colored Vinyl, Add	84.54	
		For Tinted Glass, Add	101.44	
		For Low-E Insulated Glass, Add	211.34	
		For Obscure Glass, Add	232.47	
08 54 13 00-0012	EA	28" x 36", New Construction, Single Hung Fiberglass Window.....	1,016.65	61.25
		For Colored Vinyl, Add	89.16	
		For Tinted Glass, Add	106.99	
		For Low-E Insulated Glass, Add	222.90	
		For Obscure Glass, Add	245.19	
08 54 13 00-0013	EA	30" x 36", New Construction, Single Hung Fiberglass Window.....	1,037.06	63.81
		For Colored Vinyl, Add	90.95	
		For Tinted Glass, Add	109.13	
		For Low-E Insulated Glass, Add	227.36	
		For Obscure Glass, Add	250.10	
08 54 13 00-0014	EA	32" x 36", New Construction, Single Hung Fiberglass Window.....	1,059.76	65.08
		For Colored Vinyl, Add	92.96	
		For Tinted Glass, Add	111.55	
		For Low-E Insulated Glass, Add	232.40	
		For Obscure Glass, Add	255.64	
08 54 13 00-0015	EA	36" x 36", New Construction, Single Hung Fiberglass Window.....	1,121.32	67.63
		For Colored Vinyl, Add	98.61	
		For Tinted Glass, Add	118.33	
		For Low-E Insulated Glass, Add	246.52	
		For Obscure Glass, Add	271.17	
08 54 13 00-0016	EA	44" x 36", New Construction, Single Hung Fiberglass Window.....	1,216.95	72.74
		For Colored Vinyl, Add	107.15	
		For Tinted Glass, Add	128.58	
		For Low-E Insulated Glass, Add	267.87	
		For Obscure Glass, Add	294.66	
08 54 13 00-0017		38" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0018	EA	24" x 38", New Construction, Single Hung Fiberglass Window.....	983.39	61.25
		For Colored Vinyl, Add	86.09	
		For Tinted Glass, Add	103.31	
		For Low-E Insulated Glass, Add	215.22	
		For Obscure Glass, Add	236.74	
08 54 13 00-0019	EA	28" x 38", New Construction, Single Hung Fiberglass Window.....	1,034.71	63.81
		For Colored Vinyl, Add	90.71	
		For Tinted Glass, Add	108.85	
		For Low-E Insulated Glass, Add	226.78	
		For Obscure Glass, Add	249.45	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0020	EA		30" x 38", New Construction, Single Hung Fiberglass Window.....	1,056.11	65.08
			<i>For Colored Vinyl, Add</i>	92.60	
			<i>For Tinted Glass, Add</i>	111.11	
			<i>For Low-E Insulated Glass, Add</i>	231.49	
			<i>For Obscure Glass, Add</i>	254.64	
08 54 13 00-0021	EA		32" x 38", New Construction, Single Hung Fiberglass Window.....	1,078.87	66.36
			<i>For Colored Vinyl, Add</i>	94.62	
			<i>For Tinted Glass, Add</i>	113.54	
			<i>For Low-E Insulated Glass, Add</i>	236.54	
			<i>For Obscure Glass, Add</i>	260.19	
08 54 13 00-0022	EA		36" x 38", New Construction, Single Hung Fiberglass Window.....	1,141.62	68.91
			<i>For Colored Vinyl, Add</i>	100.38	
			<i>For Tinted Glass, Add</i>	120.46	
			<i>For Low-E Insulated Glass, Add</i>	250.95	
			<i>For Obscure Glass, Add</i>	276.05	
08 54 13 00-0023	EA		44" x 38", New Construction, Single Hung Fiberglass Window.....	1,238.81	74.01
			<i>For Colored Vinyl, Add</i>	109.08	
			<i>For Tinted Glass, Add</i>	130.89	
			<i>For Low-E Insulated Glass, Add</i>	272.70	
			<i>For Obscure Glass, Add</i>	299.96	
08 54 13 00-0024			44" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0025	EA		24" x 44", New Construction, Single Hung Fiberglass Window.....	1,038.96	65.08
			<i>For Colored Vinyl, Add</i>	90.88	
			<i>For Tinted Glass, Add</i>	109.06	
			<i>For Low-E Insulated Glass, Add</i>	227.20	
			<i>For Obscure Glass, Add</i>	249.92	
08 54 13 00-0026	EA		28" x 44", New Construction, Single Hung Fiberglass Window.....	1,090.22	67.63
			<i>For Colored Vinyl, Add</i>	95.50	
			<i>For Tinted Glass, Add</i>	114.60	
			<i>For Low-E Insulated Glass, Add</i>	238.74	
			<i>For Obscure Glass, Add</i>	262.61	
08 54 13 00-0027	EA		30" x 44", New Construction, Single Hung Fiberglass Window.....	1,115.08	68.91
			<i>For Colored Vinyl, Add</i>	97.73	
			<i>For Tinted Glass, Add</i>	117.27	
			<i>For Low-E Insulated Glass, Add</i>	244.32	
			<i>For Obscure Glass, Add</i>	268.75	
08 54 13 00-0028	EA		32" x 44", New Construction, Single Hung Fiberglass Window.....	1,137.78	70.18
			<i>For Colored Vinyl, Add</i>	99.74	
			<i>For Tinted Glass, Add</i>	119.69	
			<i>For Low-E Insulated Glass, Add</i>	249.35	
			<i>For Obscure Glass, Add</i>	274.29	
08 54 13 00-0029	EA		36" x 44", New Construction, Single Hung Fiberglass Window.....	1,203.98	72.74
			<i>For Colored Vinyl, Add</i>	105.85	
			<i>For Tinted Glass, Add</i>	127.02	
			<i>For Low-E Insulated Glass, Add</i>	264.63	
			<i>For Obscure Glass, Add</i>	291.09	
08 54 13 00-0030	EA		44" x 44", New Construction, Single Hung Fiberglass Window.....	1,305.41	77.84
			<i>For Colored Vinyl, Add</i>	114.97	
			<i>For Tinted Glass, Add</i>	137.97	
			<i>For Low-E Insulated Glass, Add</i>	287.43	
			<i>For Obscure Glass, Add</i>	316.17	
08 54 13 00-0031			46" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0032	EA		24" x 46", New Construction, Single Hung Fiberglass Window.....	1,057.75	66.36
			<i>For Colored Vinyl, Add</i>	92.50	
			<i>For Tinted Glass, Add</i>	111.00	
			<i>For Low-E Insulated Glass, Add</i>	231.26	
			<i>For Obscure Glass, Add</i>	254.39	
08 54 13 00-0033	EA		28" x 46", New Construction, Single Hung Fiberglass Window.....	1,109.08	68.91
			<i>For Colored Vinyl, Add</i>	97.13	
			<i>For Tinted Glass, Add</i>	116.55	
			<i>For Low-E Insulated Glass, Add</i>	242.82	
			<i>For Obscure Glass, Add</i>	267.10	
08 54 13 00-0034	EA		30" x 46", New Construction, Single Hung Fiberglass Window.....	1,134.91	70.18
			<i>For Colored Vinyl, Add</i>	99.45	
			<i>For Tinted Glass, Add</i>	119.34	
			<i>For Low-E Insulated Glass, Add</i>	248.64	
			<i>For Obscure Glass, Add</i>	273.50	
08 54 13 00-0035	EA		32" x 46", New Construction, Single Hung Fiberglass Window.....	1,157.67	71.46
			<i>For Colored Vinyl, Add</i>	101.48	
			<i>For Tinted Glass, Add</i>	121.77	
			<i>For Low-E Insulated Glass, Add</i>	253.69	
			<i>For Obscure Glass, Add</i>	279.06	
08 54 13 00-0036	EA		36" x 46", New Construction, Single Hung Fiberglass Window.....	1,224.86	74.01
			<i>For Colored Vinyl, Add</i>	107.68	
			<i>For Tinted Glass, Add</i>	129.22	
			<i>For Low-E Insulated Glass, Add</i>	269.21	
			<i>For Obscure Glass, Add</i>	296.13	
08 54 13 00-0037	EA		44" x 46", New Construction, Single Hung Fiberglass Window.....	1,327.91	79.12
			<i>For Colored Vinyl, Add</i>	116.97	
			<i>For Tinted Glass, Add</i>	140.36	
			<i>For Low-E Insulated Glass, Add</i>	292.42	
			<i>For Obscure Glass, Add</i>	321.66	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 54 13 00-0038		48" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0039	EA	24" x 48", New Construction, Single Hung Fiberglass Window.....	1,076.86	67.63
		For Colored Vinyl, Add	94.16	
		For Tinted Glass, Add	112.99	
		For Low-E Insulated Glass, Add	235.40	
		For Obscure Glass, Add	258.94	
08 54 13 00-0040	EA	28" x 48", New Construction, Single Hung Fiberglass Window.....	1,128.13	70.18
		For Colored Vinyl, Add	98.78	
		For Tinted Glass, Add	118.53	
		For Low-E Insulated Glass, Add	246.94	
		For Obscure Glass, Add	271.63	
08 54 13 00-0041	EA	30" x 48", New Construction, Single Hung Fiberglass Window.....	1,155.07	71.46
		For Colored Vinyl, Add	101.22	
		For Tinted Glass, Add	121.46	
		For Low-E Insulated Glass, Add	253.04	
		For Obscure Glass, Add	278.34	
08 54 13 00-0042	EA	32" x 48", New Construction, Single Hung Fiberglass Window.....	1,177.76	72.74
		For Colored Vinyl, Add	103.23	
		For Tinted Glass, Add	123.87	
		For Low-E Insulated Glass, Add	258.07	
		For Obscure Glass, Add	283.88	
08 54 13 00-0043	EA	36" x 48", New Construction, Single Hung Fiberglass Window.....	1,246.19	75.29
		For Colored Vinyl, Add	109.56	
		For Tinted Glass, Add	131.47	
		For Low-E Insulated Glass, Add	273.90	
		For Obscure Glass, Add	301.29	
08 54 13 00-0044	EA	44" x 48", New Construction, Single Hung Fiberglass Window.....	1,350.60	80.40
		For Colored Vinyl, Add	118.98	
		For Tinted Glass, Add	142.78	
		For Low-E Insulated Glass, Add	297.46	
		For Obscure Glass, Add	327.20	
08 54 13 00-0045		50" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0046	EA	24" x 50", New Construction, Single Hung Fiberglass Window.....	1,094.87	68.91
		For Colored Vinyl, Add	95.71	
		For Tinted Glass, Add	114.85	
		For Low-E Insulated Glass, Add	239.26	
		For Obscure Glass, Add	263.19	
08 54 13 00-0047	EA	28" x 50", New Construction, Single Hung Fiberglass Window.....	1,146.20	71.46
		For Colored Vinyl, Add	100.33	
		For Tinted Glass, Add	120.39	
		For Low-E Insulated Glass, Add	250.82	
		For Obscure Glass, Add	275.90	
08 54 13 00-0048	EA	30" x 50", New Construction, Single Hung Fiberglass Window.....	1,174.24	72.74
		For Colored Vinyl, Add	102.88	
		For Tinted Glass, Add	123.45	
		For Low-E Insulated Glass, Add	257.19	
		For Obscure Glass, Add	282.91	
08 54 13 00-0049	EA	32" x 50", New Construction, Single Hung Fiberglass Window.....	1,197.02	74.01
		For Colored Vinyl, Add	104.90	
		For Tinted Glass, Add	125.88	
		For Low-E Insulated Glass, Add	262.25	
		For Obscure Glass, Add	288.47	
08 54 13 00-0050	EA	36" x 50", New Construction, Single Hung Fiberglass Window.....	1,266.41	76.56
		For Colored Vinyl, Add	111.33	
		For Tinted Glass, Add	133.59	
		For Low-E Insulated Glass, Add	278.32	
		For Obscure Glass, Add	306.15	
08 54 13 00-0051	EA	44" x 50", New Construction, Single Hung Fiberglass Window.....	1,372.27	81.67
		For Colored Vinyl, Add	120.89	
		For Tinted Glass, Add	145.07	
		For Low-E Insulated Glass, Add	302.23	
		For Obscure Glass, Add	332.46	
08 54 13 00-0052		52" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0053	EA	24" x 52", New Construction, Single Hung Fiberglass Window.....	1,113.07	70.18
		For Colored Vinyl, Add	97.27	
		For Tinted Glass, Add	116.72	
		For Low-E Insulated Glass, Add	243.18	
		For Obscure Glass, Add	267.49	
08 54 13 00-0054	EA	28" x 52", New Construction, Single Hung Fiberglass Window.....	1,164.40	72.74
		For Colored Vinyl, Add	101.89	
		For Tinted Glass, Add	122.27	
		For Low-E Insulated Glass, Add	254.73	
		For Obscure Glass, Add	280.21	
08 54 13 00-0055	EA	30" x 52", New Construction, Single Hung Fiberglass Window.....	1,193.63	74.01
		For Colored Vinyl, Add	104.56	
		For Tinted Glass, Add	125.47	
		For Low-E Insulated Glass, Add	261.40	
		For Obscure Glass, Add	287.54	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0056	EA		32" x 52", New Construction, Single Hung Fiberglass Window.....	1,216.32	75.29
			<i>For Colored Vinyl, Add</i>	106.57	
			<i>For Tinted Glass, Add</i>	127.89	
			<i>For Low-E Insulated Glass, Add</i>	266.44	
			<i>For Obscure Glass, Add</i>	293.08	
08 54 13 00-0057	EA		36" x 52", New Construction, Single Hung Fiberglass Window.....	1,286.96	77.84
			<i>For Colored Vinyl, Add</i>	113.13	
			<i>For Tinted Glass, Add</i>	135.75	
			<i>For Low-E Insulated Glass, Add</i>	282.82	
			<i>For Obscure Glass, Add</i>	311.10	
08 54 13 00-0058	EA		44" x 52", New Construction, Single Hung Fiberglass Window.....	1,394.25	82.95
			<i>For Colored Vinyl, Add</i>	122.84	
			<i>For Tinted Glass, Add</i>	147.40	
			<i>For Low-E Insulated Glass, Add</i>	307.09	
			<i>For Obscure Glass, Add</i>	337.80	
08 54 13 00-0059			54" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0060	EA		24" x 54", New Construction, Single Hung Fiberglass Window.....	1,131.20	71.46
			<i>For Colored Vinyl, Add</i>	98.83	
			<i>For Tinted Glass, Add</i>	118.59	
			<i>For Low-E Insulated Glass, Add</i>	247.07	
			<i>For Obscure Glass, Add</i>	271.78	
08 54 13 00-0061	EA		28" x 54", New Construction, Single Hung Fiberglass Window.....	1,182.54	74.01
			<i>For Colored Vinyl, Add</i>	103.45	
			<i>For Tinted Glass, Add</i>	124.14	
			<i>For Low-E Insulated Glass, Add</i>	258.63	
			<i>For Obscure Glass, Add</i>	284.49	
08 54 13 00-0062	EA		30" x 54", New Construction, Single Hung Fiberglass Window.....	1,212.80	75.29
			<i>For Colored Vinyl, Add</i>	106.22	
			<i>For Tinted Glass, Add</i>	127.47	
			<i>For Low-E Insulated Glass, Add</i>	265.56	
			<i>For Obscure Glass, Add</i>	292.11	
08 54 13 00-0063	EA		32" x 54", New Construction, Single Hung Fiberglass Window.....	1,235.57	76.56
			<i>For Colored Vinyl, Add</i>	108.24	
			<i>For Tinted Glass, Add</i>	129.89	
			<i>For Low-E Insulated Glass, Add</i>	270.61	
			<i>For Obscure Glass, Add</i>	297.67	
08 54 13 00-0064	EA		36" x 54", New Construction, Single Hung Fiberglass Window.....	1,307.17	79.12
			<i>For Colored Vinyl, Add</i>	114.89	
			<i>For Tinted Glass, Add</i>	137.87	
			<i>For Low-E Insulated Glass, Add</i>	287.24	
			<i>For Obscure Glass, Add</i>	315.96	
08 54 13 00-0065	EA		44" x 54", New Construction, Single Hung Fiberglass Window.....	1,415.90	84.22
			<i>For Colored Vinyl, Add</i>	124.75	
			<i>For Tinted Glass, Add</i>	149.70	
			<i>For Low-E Insulated Glass, Add</i>	311.87	
			<i>For Obscure Glass, Add</i>	343.05	
08 54 13 00-0066			60" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0067	EA		24" x 60", New Construction, Single Hung Fiberglass Window.....	1,187.70	75.29
			<i>For Colored Vinyl, Add</i>	103.71	
			<i>For Tinted Glass, Add</i>	124.45	
			<i>For Low-E Insulated Glass, Add</i>	259.28	
			<i>For Obscure Glass, Add</i>	285.21	
08 54 13 00-0068	EA		28" x 60", New Construction, Single Hung Fiberglass Window.....	1,239.04	77.84
			<i>For Colored Vinyl, Add</i>	108.34	
			<i>For Tinted Glass, Add</i>	130.00	
			<i>For Low-E Insulated Glass, Add</i>	270.84	
			<i>For Obscure Glass, Add</i>	297.92	
08 54 13 00-0069	EA		30" x 60", New Construction, Single Hung Fiberglass Window.....	1,272.42	79.12
			<i>For Colored Vinyl, Add</i>	111.42	
			<i>For Tinted Glass, Add</i>	133.70	
			<i>For Low-E Insulated Glass, Add</i>	278.55	
			<i>For Obscure Glass, Add</i>	306.40	
08 54 13 00-0070	EA		32" x 60", New Construction, Single Hung Fiberglass Window.....	1,295.18	80.40
			<i>For Colored Vinyl, Add</i>	113.44	
			<i>For Tinted Glass, Add</i>	136.13	
			<i>For Low-E Insulated Glass, Add</i>	283.60	
			<i>For Obscure Glass, Add</i>	311.96	
08 54 13 00-0071	EA		36" x 60", New Construction, Single Hung Fiberglass Window.....	1,370.19	82.95
			<i>For Colored Vinyl, Add</i>	120.43	
			<i>For Tinted Glass, Add</i>	144.52	
			<i>For Low-E Insulated Glass, Add</i>	301.08	
			<i>For Obscure Glass, Add</i>	331.18	
08 54 13 00-0072	EA		44" x 60", New Construction, Single Hung Fiberglass Window.....	1,483.35	88.05
			<i>For Colored Vinyl, Add</i>	130.73	
			<i>For Tinted Glass, Add</i>	156.87	
			<i>For Low-E Insulated Glass, Add</i>	326.81	
			<i>For Obscure Glass, Add</i>	359.49	
08 54 13 00-0073			62" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0074	EA		24" x 62", New Construction, Single Hung Fiberglass Window.....	1,205.90	76.56
			<i>For Colored Vinyl, Add</i>	105.28	
			<i>For Tinted Glass, Add</i>	126.33	
			<i>For Low-E Insulated Glass, Add</i>	263.19	
			<i>For Obscure Glass, Add</i>	289.51	
08 54 13 00-0075	EA		28" x 62", New Construction, Single Hung Fiberglass Window.....	1,257.16	79.12
			<i>For Colored Vinyl, Add</i>	109.89	
			<i>For Tinted Glass, Add</i>	131.87	
			<i>For Low-E Insulated Glass, Add</i>	274.73	
			<i>For Obscure Glass, Add</i>	302.21	
08 54 13 00-0076	EA		30" x 62", New Construction, Single Hung Fiberglass Window.....	1,291.92	80.40
			<i>For Colored Vinyl, Add</i>	113.11	
			<i>For Tinted Glass, Add</i>	135.74	
			<i>For Low-E Insulated Glass, Add</i>	282.79	
			<i>For Obscure Glass, Add</i>	311.06	
08 54 13 00-0077	EA		32" x 62", New Construction, Single Hung Fiberglass Window.....	1,314.63	81.67
			<i>For Colored Vinyl, Add</i>	115.13	
			<i>For Tinted Glass, Add</i>	138.15	
			<i>For Low-E Insulated Glass, Add</i>	287.82	
			<i>For Obscure Glass, Add</i>	316.60	
08 54 13 00-0078	EA		36" x 62", New Construction, Single Hung Fiberglass Window.....	1,390.67	84.22
			<i>For Colored Vinyl, Add</i>	122.22	
			<i>For Tinted Glass, Add</i>	146.67	
			<i>For Low-E Insulated Glass, Add</i>	305.56	
			<i>For Obscure Glass, Add</i>	336.11	
08 54 13 00-0079	EA		44" x 62", New Construction, Single Hung Fiberglass Window.....	1,505.40	89.33
			<i>For Colored Vinyl, Add</i>	132.68	
			<i>For Tinted Glass, Add</i>	159.21	
			<i>For Low-E Insulated Glass, Add</i>	331.69	
			<i>For Obscure Glass, Add</i>	364.86	
08 54 13 00-0080			66" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0081	EA		24" x 66", New Construction, Single Hung Fiberglass Window.....	1,243.01	79.12
			<i>For Colored Vinyl, Add</i>	108.48	
			<i>For Tinted Glass, Add</i>	130.17	
			<i>For Low-E Insulated Glass, Add</i>	271.20	
			<i>For Obscure Glass, Add</i>	298.31	
08 54 13 00-0082	EA		28" x 66", New Construction, Single Hung Fiberglass Window.....	1,294.35	81.67
			<i>For Colored Vinyl, Add</i>	113.10	
			<i>For Tinted Glass, Add</i>	135.72	
			<i>For Low-E Insulated Glass, Add</i>	282.75	
			<i>For Obscure Glass, Add</i>	311.03	
08 54 13 00-0083	EA		30" x 66", New Construction, Single Hung Fiberglass Window.....	1,331.13	82.95
			<i>For Colored Vinyl, Add</i>	116.52	
			<i>For Tinted Glass, Add</i>	139.83	
			<i>For Low-E Insulated Glass, Add</i>	291.31	
			<i>For Obscure Glass, Add</i>	320.44	
08 54 13 00-0084	EA		32" x 66", New Construction, Single Hung Fiberglass Window.....	1,353.83	84.22
			<i>For Colored Vinyl, Add</i>	118.54	
			<i>For Tinted Glass, Add</i>	142.25	
			<i>For Low-E Insulated Glass, Add</i>	296.35	
			<i>For Obscure Glass, Add</i>	325.98	
08 54 13 00-0085	EA		36" x 66", New Construction, Single Hung Fiberglass Window.....	1,432.23	86.77
			<i>For Colored Vinyl, Add</i>	125.87	
			<i>For Tinted Glass, Add</i>	151.04	
			<i>For Low-E Insulated Glass, Add</i>	314.67	
			<i>For Obscure Glass, Add</i>	346.14	
08 54 13 00-0086	EA		44" x 66", New Construction, Single Hung Fiberglass Window.....	1,549.70	91.88
			<i>For Colored Vinyl, Add</i>	136.59	
			<i>For Tinted Glass, Add</i>	163.91	
			<i>For Low-E Insulated Glass, Add</i>	341.49	
			<i>For Obscure Glass, Add</i>	375.63	
08 54 13 00-0087			72" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)		
08 54 13 00-0088	EA		24" x 72", New Construction, Single Hung Fiberglass Window.....	1,299.51	82.95
			<i>For Colored Vinyl, Add</i>	113.36	
			<i>For Tinted Glass, Add</i>	136.03	
			<i>For Low-E Insulated Glass, Add</i>	283.41	
			<i>For Obscure Glass, Add</i>	311.75	
08 54 13 00-0089	EA		28" x 72", New Construction, Single Hung Fiberglass Window.....	1,350.78	85.49
			<i>For Colored Vinyl, Add</i>	117.98	
			<i>For Tinted Glass, Add</i>	141.57	
			<i>For Low-E Insulated Glass, Add</i>	294.95	
			<i>For Obscure Glass, Add</i>	324.44	
08 54 13 00-0090	EA		30" x 72", New Construction, Single Hung Fiberglass Window.....	1,387.56	86.77
			<i>For Colored Vinyl, Add</i>	121.40	
			<i>For Tinted Glass, Add</i>	145.68	
			<i>For Low-E Insulated Glass, Add</i>	303.50	
			<i>For Obscure Glass, Add</i>	333.85	
08 54 13 00-0091	EA		32" x 72", New Construction, Single Hung Fiberglass Window.....	1,410.33	88.05
			<i>For Colored Vinyl, Add</i>	123.42	
			<i>For Tinted Glass, Add</i>	148.11	
			<i>For Low-E Insulated Glass, Add</i>	308.56	
			<i>For Obscure Glass, Add</i>	339.41	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0092	EA		36" x 72", New Construction, Single Hung Fiberglass Window.....	1,488.73	90.60
			For Colored Vinyl, Add	130.75	
			For Tinted Glass, Add	156.90	
			For Low-E Insulated Glass, Add	326.88	
			For Obscure Glass, Add	359.57	
08 54 13 00-0093	EA		44" x 72", New Construction, Single Hung Fiberglass Window.....	1,606.18	95.70
			For Colored Vinyl, Add	141.48	
			For Tinted Glass, Add	169.77	
			For Low-E Insulated Glass, Add	353.69	
			For Obscure Glass, Add	389.06	
08 54 13 00-0094			Replacement, Single Hung Fiberglass Windows <small>(08 54 13 00-0001)</small>		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Fiberglass Window	1,464.39	67.00
			For Colored Vinyl, Add	133.04	
			For Tinted Glass, Add	159.65	
			For Low-E Insulated Glass, Add	332.60	
			For Obscure Glass, Add	365.86	
08 54 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Fiberglass Window.....	1,605.41	73.37
			For Colored Vinyl, Add	145.87	
			For Tinted Glass, Add	175.04	
			For Low-E Insulated Glass, Add	364.67	
			For Obscure Glass, Add	401.13	
08 54 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Fiberglass Window.....	1,733.38	79.75
			For Colored Vinyl, Add	157.39	
			For Tinted Glass, Add	188.86	
			For Low-E Insulated Glass, Add	393.47	
			For Obscure Glass, Add	432.81	
08 54 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Fiberglass Window.....	1,815.78	86.14
			For Colored Vinyl, Add	164.35	
			For Tinted Glass, Add	197.22	
			For Low-E Insulated Glass, Add	410.88	
			For Obscure Glass, Add	451.97	
08 54 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Fiberglass Window.....	1,903.39	92.52
			For Colored Vinyl, Add	171.84	
			For Tinted Glass, Add	206.20	
			For Low-E Insulated Glass, Add	429.59	
			For Obscure Glass, Add	472.55	
08 54 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Fiberglass Window.....	2,072.39	98.89
			For Colored Vinyl, Add	187.46	
			For Tinted Glass, Add	224.95	
			For Low-E Insulated Glass, Add	468.65	
			For Obscure Glass, Add	515.51	
08 54 13 00-0101	UI		>120" UI, Replacement, Single Hung Fiberglass Window	17.31	0.83
			For Colored Vinyl, Add	1.57	
			For Tinted Glass, Add	1.88	
			For Low-E Insulated Glass, Add	3.91	
			For Obscure Glass, Add	4.30	
08 54 13 00-0102			New Construction, Single Hung Fiberglass Windows (Anderson Windows) <small>(08 54 13 00-0001)</small>		
			Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0103	EA		Up To 73" UI, Single Hung Fiberglass Window (Anderson Windows).....	737.35	67.00
			Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen		
08 54 13 00-0104	EA		>73" To 83" UI, Single Hung Fiberglass Window (Anderson Windows).....	808.26	73.37
			Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen		
08 54 13 00-0105	EA		>83" To 93" UI, Single Hung Fiberglass Window (Anderson Windows).....	873.27	79.75
			Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen		
08 54 13 00-0106	EA		>93" To 101" UI, Single Hung Fiberglass Window (Anderson Windows).....	917.60	86.14
			Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen		
08 54 13 00-0107	EA		>101" To 110" UI, Single Hung Fiberglass Window (Anderson Windows).....	964.33	92.52
			Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen		
08 54 13 00-0108	EA		>110" To 120" UI, Single Hung Fiberglass Window (Anderson Windows).....	1,047.93	98.89
			Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen		
08 54 13 00-0109	UI		>120" UI, Single Hung Fiberglass Window (Anderson Windows).....	8.75	0.83
			Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen		
08 54 13 00-0110			Double Hung Fiberglass Windows <small>(08 54 13)</small>		
08 54 13 00-0111			New Construction, Double Hung Fiberglass Windows <small>(08 54 13 00-0110)</small>		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0112			34" Height, New Construction, Double Hung Fiberglass Windows <small>(08 54 13 00-0111)</small>		
08 54 13 00-0113	EA		24" x 34", New Construction, Double Hung Fiberglass Window	1,447.28	58.70
			For Colored Vinyl, Add	132.99	
			For Tinted Glass, Add	159.59	
			For Low-E Insulated Glass, Add	332.47	
			For Obscure Glass, Add	365.72	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0114	EA		28" x 34", New Construction, Double Hung Fiberglass Window	1,498.62	61.25
			<i>For Colored Vinyl, Add</i>	137.61	
			<i>For Tinted Glass, Add</i>	165.13	
			<i>For Low-E Insulated Glass, Add</i>	344.03	
			<i>For Obscure Glass, Add</i>	378.43	
08 54 13 00-0115	EA		30" x 34", New Construction, Double Hung Fiberglass Window	1,523.27	62.53
			<i>For Colored Vinyl, Add</i>	139.82	
			<i>For Tinted Glass, Add</i>	167.79	
			<i>For Low-E Insulated Glass, Add</i>	349.55	
			<i>For Obscure Glass, Add</i>	384.51	
08 54 13 00-0116	EA		32" x 34", New Construction, Double Hung Fiberglass Window	1,546.04	63.81
			<i>For Colored Vinyl, Add</i>	141.84	
			<i>For Tinted Glass, Add</i>	170.21	
			<i>For Low-E Insulated Glass, Add</i>	354.61	
			<i>For Obscure Glass, Add</i>	390.07	
08 54 13 00-0117	EA		36" x 34", New Construction, Double Hung Fiberglass Window	1,603.30	66.36
			<i>For Colored Vinyl, Add</i>	147.06	
			<i>For Tinted Glass, Add</i>	176.47	
			<i>For Low-E Insulated Glass, Add</i>	367.65	
			<i>For Obscure Glass, Add</i>	404.41	
08 54 13 00-0118	EA		44" x 34", New Construction, Double Hung Fiberglass Window	1,693.32	71.46
			<i>For Colored Vinyl, Add</i>	155.04	
			<i>For Tinted Glass, Add</i>	186.05	
			<i>For Low-E Insulated Glass, Add</i>	387.60	
			<i>For Obscure Glass, Add</i>	426.36	
08 54 13 00-0119			36" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0120	EA		24" x 36", New Construction, Double Hung Fiberglass Window	1,466.13	59.97
			<i>For Colored Vinyl, Add</i>	134.62	
			<i>For Tinted Glass, Add</i>	161.54	
			<i>For Low-E Insulated Glass, Add</i>	336.55	
			<i>For Obscure Glass, Add</i>	370.20	
08 54 13 00-0121	EA		28" x 36", New Construction, Double Hung Fiberglass Window	1,517.47	62.53
			<i>For Colored Vinyl, Add</i>	139.24	
			<i>For Tinted Glass, Add</i>	167.09	
			<i>For Low-E Insulated Glass, Add</i>	348.10	
			<i>For Obscure Glass, Add</i>	382.91	
08 54 13 00-0122	EA		30" x 36", New Construction, Double Hung Fiberglass Window	1,542.12	63.81
			<i>For Colored Vinyl, Add</i>	141.45	
			<i>For Tinted Glass, Add</i>	169.74	
			<i>For Low-E Insulated Glass, Add</i>	353.63	
			<i>For Obscure Glass, Add</i>	388.99	
08 54 13 00-0123	EA		32" x 36", New Construction, Double Hung Fiberglass Window	1,564.82	65.08
			<i>For Colored Vinyl, Add</i>	143.47	
			<i>For Tinted Glass, Add</i>	172.16	
			<i>For Low-E Insulated Glass, Add</i>	358.67	
			<i>For Obscure Glass, Add</i>	394.53	
08 54 13 00-0124	EA		36" x 36", New Construction, Double Hung Fiberglass Window	1,622.15	67.63
			<i>For Colored Vinyl, Add</i>	148.69	
			<i>For Tinted Glass, Add</i>	178.43	
			<i>For Low-E Insulated Glass, Add</i>	371.72	
			<i>For Obscure Glass, Add</i>	408.89	
08 54 13 00-0125	EA		44" x 36", New Construction, Double Hung Fiberglass Window	1,712.17	72.74
			<i>For Colored Vinyl, Add</i>	156.67	
			<i>For Tinted Glass, Add</i>	188.00	
			<i>For Low-E Insulated Glass, Add</i>	391.68	
			<i>For Obscure Glass, Add</i>	430.84	
08 54 13 00-0126			38" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0127	EA		24" x 38", New Construction, Double Hung Fiberglass Window	1,482.58	61.25
			<i>For Colored Vinyl, Add</i>	136.01	
			<i>For Tinted Glass, Add</i>	163.21	
			<i>For Low-E Insulated Glass, Add</i>	340.02	
			<i>For Obscure Glass, Add</i>	374.02	
08 54 13 00-0128	EA		28" x 38", New Construction, Double Hung Fiberglass Window	1,533.91	63.81
			<i>For Colored Vinyl, Add</i>	140.63	
			<i>For Tinted Glass, Add</i>	168.76	
			<i>For Low-E Insulated Glass, Add</i>	351.58	
			<i>For Obscure Glass, Add</i>	386.73	
08 54 13 00-0129	EA		30" x 38", New Construction, Double Hung Fiberglass Window	1,559.54	65.08
			<i>For Colored Vinyl, Add</i>	142.94	
			<i>For Tinted Glass, Add</i>	171.53	
			<i>For Low-E Insulated Glass, Add</i>	357.35	
			<i>For Obscure Glass, Add</i>	393.08	
08 54 13 00-0130	EA		32" x 38", New Construction, Double Hung Fiberglass Window	1,582.24	66.36
			<i>For Colored Vinyl, Add</i>	144.95	
			<i>For Tinted Glass, Add</i>	173.94	
			<i>For Low-E Insulated Glass, Add</i>	362.38	
			<i>For Obscure Glass, Add</i>	398.62	
08 54 13 00-0131	EA		36" x 38", New Construction, Double Hung Fiberglass Window	1,640.88	68.91
			<i>For Colored Vinyl, Add</i>	150.31	
			<i>For Tinted Glass, Add</i>	180.37	
			<i>For Low-E Insulated Glass, Add</i>	375.77	
			<i>For Obscure Glass, Add</i>	413.34	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0132	EA		44" x 38", New Construction, Double Hung Fiberglass Window	1,732.14	74.01
			<i>For Colored Vinyl, Add</i>	158.41	
			<i>For Tinted Glass, Add</i>	190.09	
			<i>For Low-E Insulated Glass, Add</i>	396.03	
			<i>For Obscure Glass, Add</i>	435.63	
08 54 13 00-0133			44" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0134	EA		24" x 44", New Construction, Double Hung Fiberglass Window	1,540.89	65.08
			<i>For Colored Vinyl, Add</i>	141.07	
			<i>For Tinted Glass, Add</i>	169.29	
			<i>For Low-E Insulated Glass, Add</i>	352.68	
			<i>For Obscure Glass, Add</i>	387.95	
08 54 13 00-0135	EA		28" x 44", New Construction, Double Hung Fiberglass Window	1,592.22	67.63
			<i>For Colored Vinyl, Add</i>	145.70	
			<i>For Tinted Glass, Add</i>	174.84	
			<i>For Low-E Insulated Glass, Add</i>	364.24	
			<i>For Obscure Glass, Add</i>	400.66	
08 54 13 00-0136	EA		30" x 44", New Construction, Double Hung Fiberglass Window	1,612.45	68.91
			<i>For Colored Vinyl, Add</i>	147.46	
			<i>For Tinted Glass, Add</i>	176.96	
			<i>For Low-E Insulated Glass, Add</i>	368.66	
			<i>For Obscure Glass, Add</i>	405.52	
08 54 13 00-0137	EA		32" x 44", New Construction, Double Hung Fiberglass Window	1,635.21	70.18
			<i>For Colored Vinyl, Add</i>	149.48	
			<i>For Tinted Glass, Add</i>	179.38	
			<i>For Low-E Insulated Glass, Add</i>	373.71	
			<i>For Obscure Glass, Add</i>	411.08	
08 54 13 00-0138	EA		36" x 44", New Construction, Double Hung Fiberglass Window	1,696.65	72.74
			<i>For Colored Vinyl, Add</i>	155.12	
			<i>For Tinted Glass, Add</i>	186.14	
			<i>For Low-E Insulated Glass, Add</i>	387.80	
			<i>For Obscure Glass, Add</i>	426.57	
08 54 13 00-0139	EA		44" x 44", New Construction, Double Hung Fiberglass Window	1,794.50	77.84
			<i>For Colored Vinyl, Add</i>	163.88	
			<i>For Tinted Glass, Add</i>	196.66	
			<i>For Low-E Insulated Glass, Add</i>	409.70	
			<i>For Obscure Glass, Add</i>	450.67	
08 54 13 00-0140			46" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0141	EA		24" x 46", New Construction, Double Hung Fiberglass Window	1,557.27	66.36
			<i>For Colored Vinyl, Add</i>	142.46	
			<i>For Tinted Glass, Add</i>	170.95	
			<i>For Low-E Insulated Glass, Add</i>	356.14	
			<i>For Obscure Glass, Add</i>	391.75	
08 54 13 00-0142	EA		28" x 46", New Construction, Double Hung Fiberglass Window	1,608.54	68.91
			<i>For Colored Vinyl, Add</i>	147.07	
			<i>For Tinted Glass, Add</i>	176.49	
			<i>For Low-E Insulated Glass, Add</i>	367.68	
			<i>For Obscure Glass, Add</i>	404.45	
08 54 13 00-0143	EA		30" x 46", New Construction, Double Hung Fiberglass Window	1,630.26	70.18
			<i>For Colored Vinyl, Add</i>	148.99	
			<i>For Tinted Glass, Add</i>	178.79	
			<i>For Low-E Insulated Glass, Add</i>	372.47	
			<i>For Obscure Glass, Add</i>	409.72	
08 54 13 00-0144	EA		32" x 46", New Construction, Double Hung Fiberglass Window	1,652.96	71.46
			<i>For Colored Vinyl, Add</i>	151.00	
			<i>For Tinted Glass, Add</i>	181.20	
			<i>For Low-E Insulated Glass, Add</i>	377.51	
			<i>For Obscure Glass, Add</i>	415.26	
08 54 13 00-0145	EA		36" x 46", New Construction, Double Hung Fiberglass Window	1,715.38	74.01
			<i>For Colored Vinyl, Add</i>	156.74	
			<i>For Tinted Glass, Add</i>	188.08	
			<i>For Low-E Insulated Glass, Add</i>	391.84	
			<i>For Obscure Glass, Add</i>	431.02	
08 54 13 00-0146	EA		44" x 46", New Construction, Double Hung Fiberglass Window	1,817.06	79.12
			<i>For Colored Vinyl, Add</i>	165.88	
			<i>For Tinted Glass, Add</i>	199.06	
			<i>For Low-E Insulated Glass, Add</i>	414.71	
			<i>For Obscure Glass, Add</i>	456.18	
08 54 13 00-0147			48" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0148	EA		24" x 48", New Construction, Double Hung Fiberglass Window	1,573.83	67.63
			<i>For Colored Vinyl, Add</i>	143.86	
			<i>For Tinted Glass, Add</i>	172.63	
			<i>For Low-E Insulated Glass, Add</i>	359.64	
			<i>For Obscure Glass, Add</i>	395.61	
08 54 13 00-0149	EA		28" x 48", New Construction, Double Hung Fiberglass Window	1,625.17	70.18
			<i>For Colored Vinyl, Add</i>	148.48	
			<i>For Tinted Glass, Add</i>	178.18	
			<i>For Low-E Insulated Glass, Add</i>	371.20	
			<i>For Obscure Glass, Add</i>	408.32	

08 Openings

08 50 Windows

08 54 Composite Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0150	EA		30" x 48", New Construction, Double Hung Fiberglass Window	1,647.67	71.46
			<i>For Colored Vinyl, Add</i>	150.48	
			<i>For Tinted Glass, Add</i>	180.57	
			<i>For Low-E Insulated Glass, Add</i>	376.19	
			<i>For Obscure Glass, Add</i>	413.81	
08 54 13 00-0151	EA		32" x 48", New Construction, Double Hung Fiberglass Window	1,670.37	72.74
			<i>For Colored Vinyl, Add</i>	152.49	
			<i>For Tinted Glass, Add</i>	182.99	
			<i>For Low-E Insulated Glass, Add</i>	381.23	
			<i>For Obscure Glass, Add</i>	419.35	
08 54 13 00-0152	EA		36" x 48", New Construction, Double Hung Fiberglass Window	1,734.03	75.29
			<i>For Colored Vinyl, Add</i>	158.35	
			<i>For Tinted Glass, Add</i>	190.01	
			<i>For Low-E Insulated Glass, Add</i>	395.86	
			<i>For Obscure Glass, Add</i>	435.45	
08 54 13 00-0153	EA		44" x 48", New Construction, Double Hung Fiberglass Window	1,839.17	80.40
			<i>For Colored Vinyl, Add</i>	167.84	
			<i>For Tinted Glass, Add</i>	201.41	
			<i>For Low-E Insulated Glass, Add</i>	419.60	
			<i>For Obscure Glass, Add</i>	461.56	
08 54 13 00-0154			50" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0155	EA		24" x 50", New Construction, Double Hung Fiberglass Window	1,590.22	68.91
			<i>For Colored Vinyl, Add</i>	145.24	
			<i>For Tinted Glass, Add</i>	174.29	
			<i>For Low-E Insulated Glass, Add</i>	363.10	
			<i>For Obscure Glass, Add</i>	399.41	
08 54 13 00-0156	EA		28" x 50", New Construction, Double Hung Fiberglass Window	1,641.55	71.46
			<i>For Colored Vinyl, Add</i>	149.86	
			<i>For Tinted Glass, Add</i>	179.84	
			<i>For Low-E Insulated Glass, Add</i>	374.66	
			<i>For Obscure Glass, Add</i>	412.12	
08 54 13 00-0157	EA		30" x 50", New Construction, Double Hung Fiberglass Window	1,665.29	72.74
			<i>For Colored Vinyl, Add</i>	151.98	
			<i>For Tinted Glass, Add</i>	182.38	
			<i>For Low-E Insulated Glass, Add</i>	379.96	
			<i>For Obscure Glass, Add</i>	417.95	
08 54 13 00-0158	EA		32" x 50", New Construction, Double Hung Fiberglass Window	1,688.06	74.01
			<i>For Colored Vinyl, Add</i>	154.00	
			<i>For Tinted Glass, Add</i>	184.80	
			<i>For Low-E Insulated Glass, Add</i>	385.01	
			<i>For Obscure Glass, Add</i>	423.51	
08 54 13 00-0159	EA		36" x 50", New Construction, Double Hung Fiberglass Window	1,752.76	76.56
			<i>For Colored Vinyl, Add</i>	159.96	
			<i>For Tinted Glass, Add</i>	191.96	
			<i>For Low-E Insulated Glass, Add</i>	399.91	
			<i>For Obscure Glass, Add</i>	439.90	
08 54 13 00-0160	EA		44" x 50", New Construction, Double Hung Fiberglass Window	1,861.62	81.67
			<i>For Colored Vinyl, Add</i>	169.83	
			<i>For Tinted Glass, Add</i>	203.79	
			<i>For Low-E Insulated Glass, Add</i>	424.57	
			<i>For Obscure Glass, Add</i>	467.03	
08 54 13 00-0161			52" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0162	EA		24" x 52", New Construction, Double Hung Fiberglass Window	1,606.72	70.18
			<i>For Colored Vinyl, Add</i>	146.64	
			<i>For Tinted Glass, Add</i>	175.96	
			<i>For Low-E Insulated Glass, Add</i>	366.59	
			<i>For Obscure Glass, Add</i>	403.25	
08 54 13 00-0163	EA		28" x 52", New Construction, Double Hung Fiberglass Window	1,657.98	72.74
			<i>For Colored Vinyl, Add</i>	151.25	
			<i>For Tinted Glass, Add</i>	181.50	
			<i>For Low-E Insulated Glass, Add</i>	378.13	
			<i>For Obscure Glass, Add</i>	415.94	
08 54 13 00-0164	EA		30" x 52", New Construction, Double Hung Fiberglass Window	1,682.71	74.01
			<i>For Colored Vinyl, Add</i>	153.47	
			<i>For Tinted Glass, Add</i>	184.16	
			<i>For Low-E Insulated Glass, Add</i>	383.67	
			<i>For Obscure Glass, Add</i>	422.04	
08 54 13 00-0165	EA		32" x 52", New Construction, Double Hung Fiberglass Window	1,705.41	75.29
			<i>For Colored Vinyl, Add</i>	155.48	
			<i>For Tinted Glass, Add</i>	186.58	
			<i>For Low-E Insulated Glass, Add</i>	388.71	
			<i>For Obscure Glass, Add</i>	427.58	
08 54 13 00-0166	EA		36" x 52", New Construction, Double Hung Fiberglass Window	1,773.64	77.84
			<i>For Colored Vinyl, Add</i>	161.80	
			<i>For Tinted Glass, Add</i>	194.15	
			<i>For Low-E Insulated Glass, Add</i>	404.49	
			<i>For Obscure Glass, Add</i>	444.94	
08 54 13 00-0167	EA		44" x 52", New Construction, Double Hung Fiberglass Window	1,883.60	82.95
			<i>For Colored Vinyl, Add</i>	171.77	
			<i>For Tinted Glass, Add</i>	206.13	
			<i>For Low-E Insulated Glass, Add</i>	429.43	
			<i>For Obscure Glass, Add</i>	472.37	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0168 54" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0169 EA 24" x 54", New Construction, Double Hung Fiberglass Window	1,623.29	71.46
For Colored Vinyl, Add	148.04	
For Tinted Glass, Add	177.64	
For Low-E Insulated Glass, Add	370.09	
For Obscure Glass, Add	407.10	
08 54 13 00-0170 EA 28" x 54", New Construction, Double Hung Fiberglass Window	1,674.63	74.01
For Colored Vinyl, Add	152.66	
For Tinted Glass, Add	183.19	
For Low-E Insulated Glass, Add	381.65	
For Obscure Glass, Add	419.82	
08 54 13 00-0171 EA 30" x 54", New Construction, Double Hung Fiberglass Window	1,700.46	75.29
For Colored Vinyl, Add	154.99	
For Tinted Glass, Add	185.99	
For Low-E Insulated Glass, Add	387.47	
For Obscure Glass, Add	426.22	
08 54 13 00-0172 EA 32" x 54", New Construction, Double Hung Fiberglass Window	1,723.22	76.56
For Colored Vinyl, Add	157.01	
For Tinted Glass, Add	188.41	
For Low-E Insulated Glass, Add	392.52	
For Obscure Glass, Add	431.77	
08 54 13 00-0173 EA 36" x 54", New Construction, Double Hung Fiberglass Window	1,794.56	79.12
For Colored Vinyl, Add	163.63	
For Tinted Glass, Add	196.36	
For Low-E Insulated Glass, Add	409.08	
For Obscure Glass, Add	449.99	
08 54 13 00-0174 EA 44" x 54", New Construction, Double Hung Fiberglass Window	1,905.64	84.22
For Colored Vinyl, Add	173.72	
For Tinted Glass, Add	208.46	
For Low-E Insulated Glass, Add	434.30	
For Obscure Glass, Add	477.73	
08 54 13 00-0175 60" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0176 EA 24" x 60", New Construction, Double Hung Fiberglass Window	1,673.00	75.29
For Colored Vinyl, Add	152.24	
For Tinted Glass, Add	182.69	
For Low-E Insulated Glass, Add	380.61	
For Obscure Glass, Add	418.67	
08 54 13 00-0177 EA 28" x 60", New Construction, Double Hung Fiberglass Window	1,724.34	77.84
For Colored Vinyl, Add	156.87	
For Tinted Glass, Add	188.24	
For Low-E Insulated Glass, Add	392.16	
For Obscure Glass, Add	431.38	
08 54 13 00-0178 EA 30" x 60", New Construction, Double Hung Fiberglass Window	1,757.86	79.12
For Colored Vinyl, Add	159.96	
For Tinted Glass, Add	191.96	
For Low-E Insulated Glass, Add	399.91	
For Obscure Glass, Add	439.90	
08 54 13 00-0179 EA 32" x 60", New Construction, Double Hung Fiberglass Window	1,780.55	80.40
For Colored Vinyl, Add	161.98	
For Tinted Glass, Add	194.37	
For Low-E Insulated Glass, Add	404.94	
For Obscure Glass, Add	445.44	
08 54 13 00-0180 EA 36" x 60", New Construction, Double Hung Fiberglass Window	1,856.93	82.95
For Colored Vinyl, Add	169.10	
For Tinted Glass, Add	202.92	
For Low-E Insulated Glass, Add	422.76	
For Obscure Glass, Add	465.04	
08 54 13 00-0181 EA 44" x 60", New Construction, Double Hung Fiberglass Window	1,972.18	88.05
For Colored Vinyl, Add	179.61	
For Tinted Glass, Add	215.53	
For Low-E Insulated Glass, Add	449.02	
For Obscure Glass, Add	493.92	
08 54 13 00-0182 62" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0183 EA 24" x 62", New Construction, Double Hung Fiberglass Window	1,689.51	76.56
For Colored Vinyl, Add	153.64	
For Tinted Glass, Add	184.37	
For Low-E Insulated Glass, Add	384.10	
For Obscure Glass, Add	422.50	
08 54 13 00-0184 EA 28" x 62", New Construction, Double Hung Fiberglass Window	1,740.77	79.12
For Colored Vinyl, Add	158.25	
For Tinted Glass, Add	189.90	
For Low-E Insulated Glass, Add	395.64	
For Obscure Glass, Add	435.20	
08 54 13 00-0185 EA 30" x 62", New Construction, Double Hung Fiberglass Window	1,777.49	80.40
For Colored Vinyl, Add	161.67	
For Tinted Glass, Add	194.01	
For Low-E Insulated Glass, Add	404.18	
For Obscure Glass, Add	444.60	

08 Openings

08 50 Windows

08 54 Composite Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0186	EA		32" x 62", New Construction, Double Hung Fiberglass Window	1,800.20	81.67
			<i>For Colored Vinyl, Add</i>	163.69	
			<i>For Tinted Glass, Add</i>	196.42	
			<i>For Low-E Insulated Glass, Add</i>	409.22	
			<i>For Obscure Glass, Add</i>	450.14	
08 54 13 00-0187	EA		36" x 62", New Construction, Double Hung Fiberglass Window	1,877.54	84.22
			<i>For Colored Vinyl, Add</i>	170.91	
			<i>For Tinted Glass, Add</i>	205.09	
			<i>For Low-E Insulated Glass, Add</i>	427.28	
			<i>For Obscure Glass, Add</i>	470.00	
08 54 13 00-0188	EA		44" x 62", New Construction, Double Hung Fiberglass Window	1,996.84	89.33
			<i>For Colored Vinyl, Add</i>	181.82	
			<i>For Tinted Glass, Add</i>	218.18	
			<i>For Low-E Insulated Glass, Add</i>	454.55	
			<i>For Obscure Glass, Add</i>	500.00	
08 54 13 00-0189			66" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0190	EA		24" x 66", New Construction, Double Hung Fiberglass Window	1,727.14	79.12
			<i>For Colored Vinyl, Add</i>	156.89	
			<i>For Tinted Glass, Add</i>	188.27	
			<i>For Low-E Insulated Glass, Add</i>	392.23	
			<i>For Obscure Glass, Add</i>	431.45	
08 54 13 00-0191	EA		28" x 66", New Construction, Double Hung Fiberglass Window	1,778.48	81.67
			<i>For Colored Vinyl, Add</i>	161.51	
			<i>For Tinted Glass, Add</i>	193.82	
			<i>For Low-E Insulated Glass, Add</i>	403.79	
			<i>For Obscure Glass, Add</i>	444.16	
08 54 13 00-0192	EA		30" x 66", New Construction, Double Hung Fiberglass Window	1,816.83	82.95
			<i>For Colored Vinyl, Add</i>	165.09	
			<i>For Tinted Glass, Add</i>	198.11	
			<i>For Low-E Insulated Glass, Add</i>	412.74	
			<i>For Obscure Glass, Add</i>	454.01	
08 54 13 00-0193	EA		32" x 66", New Construction, Double Hung Fiberglass Window	1,839.53	84.22
			<i>For Colored Vinyl, Add</i>	167.11	
			<i>For Tinted Glass, Add</i>	200.53	
			<i>For Low-E Insulated Glass, Add</i>	417.77	
			<i>For Obscure Glass, Add</i>	459.55	
08 54 13 00-0194	EA		36" x 66", New Construction, Double Hung Fiberglass Window	1,919.36	86.77
			<i>For Colored Vinyl, Add</i>	174.58	
			<i>For Tinted Glass, Add</i>	209.50	
			<i>For Low-E Insulated Glass, Add</i>	436.45	
			<i>For Obscure Glass, Add</i>	480.10	
08 54 13 00-0195	EA		44" x 66", New Construction, Double Hung Fiberglass Window	2,044.13	91.88
			<i>For Colored Vinyl, Add</i>	186.04	
			<i>For Tinted Glass, Add</i>	223.24	
			<i>For Low-E Insulated Glass, Add</i>	465.09	
			<i>For Obscure Glass, Add</i>	511.60	
08 54 13 00-0196			72" Height, New Construction, Double Hung Fiberglass Windows (08 54 13 00-0111)		
08 54 13 00-0197	EA		24" x 72", New Construction, Double Hung Fiberglass Window	1,783.64	82.95
			<i>For Colored Vinyl, Add</i>	161.78	
			<i>For Tinted Glass, Add</i>	194.13	
			<i>For Low-E Insulated Glass, Add</i>	404.44	
			<i>For Obscure Glass, Add</i>	444.88	
08 54 13 00-0198	EA		28" x 72", New Construction, Double Hung Fiberglass Window	1,834.92	85.49
			<i>For Colored Vinyl, Add</i>	166.39	
			<i>For Tinted Glass, Add</i>	199.67	
			<i>For Low-E Insulated Glass, Add</i>	415.98	
			<i>For Obscure Glass, Add</i>	457.58	
08 54 13 00-0199	EA		30" x 72", New Construction, Double Hung Fiberglass Window	1,873.26	86.77
			<i>For Colored Vinyl, Add</i>	169.97	
			<i>For Tinted Glass, Add</i>	203.97	
			<i>For Low-E Insulated Glass, Add</i>	424.93	
			<i>For Obscure Glass, Add</i>	467.42	
08 54 13 00-0200	EA		32" x 72", New Construction, Double Hung Fiberglass Window	1,896.02	88.05
			<i>For Colored Vinyl, Add</i>	171.99	
			<i>For Tinted Glass, Add</i>	206.39	
			<i>For Low-E Insulated Glass, Add</i>	429.98	
			<i>For Obscure Glass, Add</i>	472.98	
08 54 13 00-0201	EA		36" x 72", New Construction, Double Hung Fiberglass Window	1,975.86	90.60
			<i>For Colored Vinyl, Add</i>	179.47	
			<i>For Tinted Glass, Add</i>	215.36	
			<i>For Low-E Insulated Glass, Add</i>	448.66	
			<i>For Obscure Glass, Add</i>	493.53	
08 54 13 00-0202	EA		44" x 72", New Construction, Double Hung Fiberglass Window	2,100.62	95.70
			<i>For Colored Vinyl, Add</i>	190.92	
			<i>For Tinted Glass, Add</i>	229.11	
			<i>For Low-E Insulated Glass, Add</i>	477.30	
			<i>For Obscure Glass, Add</i>	525.03	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0203 Replacement, Double Hung Fiberglass Windows <small>(08 54 13 00-0110)</small> Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0204 EA Up To 73" UI, Replacement, Double Hung Fiberglass Window 1,796.99 67.00 <i>For Colored Vinyl, Add</i> 166.30 <i>For Tinted Glass, Add</i> 199.56 <i>For Low-E Insulated Glass, Add</i> 415.75 <i>For Obscure Glass, Add</i> 457.33		
08 54 13 00-0205 EA >73" To 83" UI, Replacement, Double Hung Fiberglass Window 1,983.58 73.37 <i>For Colored Vinyl, Add</i> 183.68 <i>For Tinted Glass, Add</i> 220.42 <i>For Low-E Insulated Glass, Add</i> 459.21 <i>For Obscure Glass, Add</i> 505.13		
08 54 13 00-0206 EA >83" To 93" UI, Replacement, Double Hung Fiberglass Window 2,157.07 79.75 <i>For Colored Vinyl, Add</i> 199.76 <i>For Tinted Glass, Add</i> 239.71 <i>For Low-E Insulated Glass, Add</i> 499.39 <i>For Obscure Glass, Add</i> 549.33		
08 54 13 00-0207 EA >93" To 101" UI, Replacement, Double Hung Fiberglass Window 2,275.91 86.14 <i>For Colored Vinyl, Add</i> 210.36 <i>For Tinted Glass, Add</i> 252.44 <i>For Low-E Insulated Glass, Add</i> 525.91 <i>For Obscure Glass, Add</i> 578.50		
08 54 13 00-0208 EA >101" To 110" UI, Replacement, Double Hung Fiberglass Window 2,404.54 92.52 <i>For Colored Vinyl, Add</i> 221.95 <i>For Tinted Glass, Add</i> 266.34 <i>For Low-E Insulated Glass, Add</i> 554.88 <i>For Obscure Glass, Add</i> 610.37		
08 54 13 00-0209 EA >110" To 120" UI, Replacement, Double Hung Fiberglass Window 2,619.11 98.89 <i>For Colored Vinyl, Add</i> 242.13 <i>For Tinted Glass, Add</i> 290.56 <i>For Low-E Insulated Glass, Add</i> 605.33 <i>For Obscure Glass, Add</i> 665.86		
08 54 13 00-0210 UI >120" UI, Replacement, Double Hung Fiberglass Window 21.81 0.83 <i>For Colored Vinyl, Add</i> 2.02 <i>For Tinted Glass, Add</i> 2.42 <i>For Low-E Insulated Glass, Add</i> 5.04 <i>For Obscure Glass, Add</i> 5.54		
08 54 13 00-0211 New Construction, Double Hung Fiberglass Windows (Anderson Windows) <small>(08 54 13 00-0110)</small> Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0212 EA Up To 73" UI, Double Hung Fiberglass Window (Anderson Windows) 888.20 67.00 Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0213 EA >73" To 83" UI, Double Hung Fiberglass Window (Anderson Windows) 979.76 73.37 Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0214 EA >83" To 93" UI, Double Hung Fiberglass Window (Anderson Windows) 1,065.44 79.75 Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0215 EA >93" To 101" UI, Double Hung Fiberglass Window (Anderson Windows) 1,126.31 86.14 Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0216 EA >101" To 110" UI, Double Hung Fiberglass Window (Anderson Windows) 1,191.60 92.52 Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0217 EA >110" To 120" UI, Double Hung Fiberglass Window (Anderson Windows) 1,295.88 98.89 Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0218 UI >120" UI, Double Hung Fiberglass Window (Anderson Windows) 10.81 0.83 Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0219 Casement Fiberglass Windows <small>(08 54 13)</small>		
08 54 13 00-0220 New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0219)</small> Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0221 One Operating Sash, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0220)</small>		
08 54 13 00-0222 24" Height, One Operating Sash, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0221)</small>		
08 54 13 00-0223 EA 17" x 24", One Operating Sash, New Construction, Casement Fiberglass Window 1,348.77 48.49 <i>For Colored Vinyl, Add</i> 125.31 <i>For Tinted Glass, Add</i> 150.37 <i>For Low-E Insulated Glass, Add</i> 313.27 <i>For Obscure Glass, Add</i> 344.59		
08 54 13 00-0224 EA 20" x 24", One Operating Sash, New Construction, Casement Fiberglass Window 1,394.92 49.77 <i>For Colored Vinyl, Add</i> 129.54 <i>For Tinted Glass, Add</i> 155.45 <i>For Low-E Insulated Glass, Add</i> 323.85 <i>For Obscure Glass, Add</i> 356.23		
08 54 13 00-0225 EA 24" x 24", One Operating Sash, New Construction, Casement Fiberglass Window 1,442.34 52.32 <i>For Colored Vinyl, Add</i> 133.77 <i>For Tinted Glass, Add</i> 160.52 <i>For Low-E Insulated Glass, Add</i> 334.43 <i>For Obscure Glass, Add</i> 367.87		

08 Openings**08 50 Windows**

08 54 Composite Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0226	EA		28" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,536.38	54.88
			<i>For Colored Vinyl, Add</i>	142.66	
			<i>For Tinted Glass, Add</i>	171.20	
			<i>For Low-E Insulated Glass, Add</i>	356.66	
			<i>For Obscure Glass, Add</i>	392.33	
08 54 13 00-0227			28" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows <small>(08 54 13 00-0221)</small>		
08 54 13 00-0228	EA		17" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,432.65	51.04
			<i>For Colored Vinyl, Add</i>	133.18	
			<i>For Tinted Glass, Add</i>	159.82	
			<i>For Low-E Insulated Glass, Add</i>	332.96	
			<i>For Obscure Glass, Add</i>	366.26	
08 54 13 00-0229	EA		20" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,483.62	52.32
			<i>For Colored Vinyl, Add</i>	137.90	
			<i>For Tinted Glass, Add</i>	165.48	
			<i>For Low-E Insulated Glass, Add</i>	344.75	
			<i>For Obscure Glass, Add</i>	379.22	
08 54 13 00-0230	EA		24" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,535.73	54.88
			<i>For Colored Vinyl, Add</i>	142.60	
			<i>For Tinted Glass, Add</i>	171.12	
			<i>For Low-E Insulated Glass, Add</i>	356.50	
			<i>For Obscure Glass, Add</i>	392.15	
08 54 13 00-0231	EA		28" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,635.45	57.42
			<i>For Colored Vinyl, Add</i>	152.06	
			<i>For Tinted Glass, Add</i>	182.47	
			<i>For Low-E Insulated Glass, Add</i>	380.15	
			<i>For Obscure Glass, Add</i>	418.17	
08 54 13 00-0232			36" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows <small>(08 54 13 00-0221)</small>		
08 54 13 00-0233	EA		17" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,526.21	54.88
			<i>For Colored Vinyl, Add</i>	141.65	
			<i>For Tinted Glass, Add</i>	169.98	
			<i>For Low-E Insulated Glass, Add</i>	354.12	
			<i>For Obscure Glass, Add</i>	389.53	
08 54 13 00-0234	EA		20" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,579.53	57.42
			<i>For Colored Vinyl, Add</i>	146.60	
			<i>For Tinted Glass, Add</i>	175.92	
			<i>For Low-E Insulated Glass, Add</i>	366.49	
			<i>For Obscure Glass, Add</i>	403.14	
08 54 13 00-0235	EA		24" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,634.18	59.34
			<i>For Colored Vinyl, Add</i>	151.55	
			<i>For Tinted Glass, Add</i>	181.86	
			<i>For Low-E Insulated Glass, Add</i>	378.88	
			<i>For Obscure Glass, Add</i>	416.77	
08 54 13 00-0236	EA		28" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,738.53	61.89
			<i>For Colored Vinyl, Add</i>	161.48	
			<i>For Tinted Glass, Add</i>	193.77	
			<i>For Low-E Insulated Glass, Add</i>	403.69	
			<i>For Obscure Glass, Add</i>	444.06	
08 54 13 00-0237			40" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows <small>(08 54 13 00-0221)</small>		
08 54 13 00-0238	EA		17" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,614.22	58.70
			<i>For Colored Vinyl, Add</i>	149.81	
			<i>For Tinted Glass, Add</i>	179.77	
			<i>For Low-E Insulated Glass, Add</i>	374.53	
			<i>For Obscure Glass, Add</i>	411.98	
08 54 13 00-0239	EA		20" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,670.87	59.97
			<i>For Colored Vinyl, Add</i>	155.09	
			<i>For Tinted Glass, Add</i>	186.11	
			<i>For Low-E Insulated Glass, Add</i>	387.73	
			<i>For Obscure Glass, Add</i>	426.50	
08 54 13 00-0240	EA		24" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,728.86	62.53
			<i>For Colored Vinyl, Add</i>	160.38	
			<i>For Tinted Glass, Add</i>	192.46	
			<i>For Low-E Insulated Glass, Add</i>	400.95	
			<i>For Obscure Glass, Add</i>	441.05	
08 54 13 00-0241	EA		28" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,842.52	65.08
			<i>For Colored Vinyl, Add</i>	171.24	
			<i>For Tinted Glass, Add</i>	205.48	
			<i>For Low-E Insulated Glass, Add</i>	428.09	
			<i>For Obscure Glass, Add</i>	470.90	
08 54 13 00-0242			48" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows <small>(08 54 13 00-0221)</small>		



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0243	EA		17" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,706.85	63.81
			<i>For Colored Vinyl, Add</i>	158.05	
			<i>For Tinted Glass, Add</i>	189.66	
			<i>For Low-E Insulated Glass, Add</i>	395.13	
			<i>For Obscure Glass, Add</i>	434.64	
08 54 13 00-0244	EA		20" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,766.36	65.08
			<i>For Colored Vinyl, Add</i>	163.62	
			<i>For Tinted Glass, Add</i>	196.34	
			<i>For Low-E Insulated Glass, Add</i>	409.05	
			<i>For Obscure Glass, Add</i>	449.96	
08 54 13 00-0245	EA		24" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,827.34	67.63
			<i>For Colored Vinyl, Add</i>	169.21	
			<i>For Tinted Glass, Add</i>	203.05	
			<i>For Low-E Insulated Glass, Add</i>	423.02	
			<i>For Obscure Glass, Add</i>	465.32	
08 54 13 00-0246	EA		28" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,953.34	70.18
			<i>For Colored Vinyl, Add</i>	181.30	
			<i>For Tinted Glass, Add</i>	217.56	
			<i>For Low-E Insulated Glass, Add</i>	453.24	
			<i>For Obscure Glass, Add</i>	498.57	
08 54 13 00-0247			52" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows (08 54 13 00-0221)		
08 54 13 00-0248	EA		17" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,793.92	66.36
			<i>For Colored Vinyl, Add</i>	166.25	
			<i>For Tinted Glass, Add</i>	199.50	
			<i>For Low-E Insulated Glass, Add</i>	415.62	
			<i>For Obscure Glass, Add</i>	457.18	
08 54 13 00-0249	EA		20" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,857.40	67.63
			<i>For Colored Vinyl, Add</i>	172.21	
			<i>For Tinted Glass, Add</i>	206.66	
			<i>For Low-E Insulated Glass, Add</i>	430.54	
			<i>For Obscure Glass, Add</i>	473.59	
08 54 13 00-0250	EA		24" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	1,921.98	70.18
			<i>For Colored Vinyl, Add</i>	178.16	
			<i>For Tinted Glass, Add</i>	213.79	
			<i>For Low-E Insulated Glass, Add</i>	445.40	
			<i>For Obscure Glass, Add</i>	489.94	
08 54 13 00-0251	EA		28" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,050.38	72.74
			<i>For Colored Vinyl, Add</i>	190.49	
			<i>For Tinted Glass, Add</i>	228.59	
			<i>For Low-E Insulated Glass, Add</i>	476.23	
			<i>For Obscure Glass, Add</i>	523.85	
08 54 13 00-0252			60" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows (08 54 13 00-0221)		
08 54 13 00-0253	EA		17" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	1,884.88	70.18
			<i>For Colored Vinyl, Add</i>	174.45	
			<i>For Tinted Glass, Add</i>	209.34	
			<i>For Low-E Insulated Glass, Add</i>	436.13	
			<i>For Obscure Glass, Add</i>	479.74	
08 54 13 00-0254	EA		20" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	1,952.07	72.74
			<i>For Colored Vinyl, Add</i>	180.79	
			<i>For Tinted Glass, Add</i>	216.95	
			<i>For Low-E Insulated Glass, Add</i>	451.97	
			<i>For Obscure Glass, Add</i>	497.17	
08 54 13 00-0255	EA		24" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,020.63	74.65
			<i>For Colored Vinyl, Add</i>	187.13	
			<i>For Tinted Glass, Add</i>	224.56	
			<i>For Low-E Insulated Glass, Add</i>	467.83	
			<i>For Obscure Glass, Add</i>	514.62	
08 54 13 00-0256	EA		28" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,151.19	77.21
			<i>For Colored Vinyl, Add</i>	199.68	
			<i>For Tinted Glass, Add</i>	239.61	
			<i>For Low-E Insulated Glass, Add</i>	499.20	
			<i>For Obscure Glass, Add</i>	549.11	
08 54 13 00-0257			64" Height, One Operating Sash, New Construction, Casement Fiberglass		
			Windows (08 54 13 00-0221)		
08 54 13 00-0258	EA		17" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	1,971.33	74.01
			<i>For Colored Vinyl, Add</i>	182.46	
			<i>For Tinted Glass, Add</i>	218.95	
			<i>For Low-E Insulated Glass, Add</i>	456.15	
			<i>For Obscure Glass, Add</i>	501.76	
08 54 13 00-0259	EA		20" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,040.49	75.29
			<i>For Colored Vinyl, Add</i>	188.99	
			<i>For Tinted Glass, Add</i>	226.79	
			<i>For Low-E Insulated Glass, Add</i>	472.48	
			<i>For Obscure Glass, Add</i>	519.73	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0260	EA		24" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,114.19	77.84
			<i>For Colored Vinyl, Add</i>	195.85	
			<i>For Tinted Glass, Add</i>	235.02	
			<i>For Low-E Insulated Glass, Add</i>	489.63	
			<i>For Obscure Glass, Add</i>	538.59	
08 54 13 00-0261	EA		28" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,241.54	80.40
			<i>For Colored Vinyl, Add</i>	208.08	
			<i>For Tinted Glass, Add</i>	249.69	
			<i>For Low-E Insulated Glass, Add</i>	520.19	
			<i>For Obscure Glass, Add</i>	572.21	
08 54 13 00-0262			72" Height, One Operating Sash, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0221)</small>		
08 54 13 00-0263	EA		17" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,074.88	77.84
			<i>For Colored Vinyl, Add</i>	191.92	
			<i>For Tinted Glass, Add</i>	230.30	
			<i>For Low-E Insulated Glass, Add</i>	479.80	
			<i>For Obscure Glass, Add</i>	527.78	
08 54 13 00-0264	EA		20" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,148.14	80.40
			<i>For Colored Vinyl, Add</i>	198.86	
			<i>For Tinted Glass, Add</i>	238.64	
			<i>For Low-E Insulated Glass, Add</i>	497.16	
			<i>For Obscure Glass, Add</i>	546.87	
08 54 13 00-0265	EA		24" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,218.19	82.30
			<i>For Colored Vinyl, Add</i>	205.36	
			<i>For Tinted Glass, Add</i>	246.43	
			<i>For Low-E Insulated Glass, Add</i>	513.39	
			<i>For Obscure Glass, Add</i>	564.73	
08 54 13 00-0266	EA		28" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,343.85	84.86
			<i>For Colored Vinyl, Add</i>	217.41	
			<i>For Tinted Glass, Add</i>	260.90	
			<i>For Low-E Insulated Glass, Add</i>	543.53	
			<i>For Obscure Glass, Add</i>	597.89	
08 54 13 00-0267			Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0220)</small>		
08 54 13 00-0268			36" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0267)</small>		
08 54 13 00-0269	EA		33" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	2,850.76	65.08
			<i>For Colored Vinyl, Add</i>	272.06	
			<i>For Tinted Glass, Add</i>	326.47	
			<i>For Low-E Insulated Glass, Add</i>	680.15	
			<i>For Obscure Glass, Add</i>	748.17	
08 54 13 00-0270	EA		40" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	2,945.11	70.18
			<i>For Colored Vinyl, Add</i>	280.60	
			<i>For Tinted Glass, Add</i>	336.72	
			<i>For Low-E Insulated Glass, Add</i>	701.50	
			<i>For Obscure Glass, Add</i>	771.65	
08 54 13 00-0271	EA		48" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,040.79	75.29
			<i>For Colored Vinyl, Add</i>	289.15	
			<i>For Tinted Glass, Add</i>	346.98	
			<i>For Low-E Insulated Glass, Add</i>	722.87	
			<i>For Obscure Glass, Add</i>	795.16	
08 54 13 00-0272	EA		56" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,152.46	79.75
			<i>For Colored Vinyl, Add</i>	299.30	
			<i>For Tinted Glass, Add</i>	359.15	
			<i>For Low-E Insulated Glass, Add</i>	748.24	
			<i>For Obscure Glass, Add</i>	823.06	
08 54 13 00-0273			40" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0267)</small>		
08 54 13 00-0274	EA		33" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,021.64	68.27
			<i>For Colored Vinyl, Add</i>	288.51	
			<i>For Tinted Glass, Add</i>	346.21	
			<i>For Low-E Insulated Glass, Add</i>	721.28	
			<i>For Obscure Glass, Add</i>	793.40	
08 54 13 00-0275	EA		40" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,123.03	72.74
			<i>For Colored Vinyl, Add</i>	297.76	
			<i>For Tinted Glass, Add</i>	357.31	
			<i>For Low-E Insulated Glass, Add</i>	744.39	
			<i>For Obscure Glass, Add</i>	818.83	
08 54 13 00-0276	EA		48" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,225.77	77.84
			<i>For Colored Vinyl, Add</i>	307.01	
			<i>For Tinted Glass, Add</i>	368.41	
			<i>For Low-E Insulated Glass, Add</i>	767.52	
			<i>For Obscure Glass, Add</i>	844.27	
08 54 13 00-0277	EA		56" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,333.13	82.95
			<i>For Colored Vinyl, Add</i>	316.72	
			<i>For Tinted Glass, Add</i>	380.07	
			<i>For Low-E Insulated Glass, Add</i>	791.81	
			<i>For Obscure Glass, Add</i>	870.99	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0278 48" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0267)</small>		
08 54 13 00-0279 EA 33" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,199.68	73.37
For Colored Vinyl, Add	305.29	
For Tinted Glass, Add	366.35	
For Low-E Insulated Glass, Add	763.23	
For Obscure Glass, Add	839.56	
08 54 13 00-0280 EA 40" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,306.10	77.84
For Colored Vinyl, Add	315.04	
For Tinted Glass, Add	378.05	
For Low-E Insulated Glass, Add	787.60	
For Obscure Glass, Add	866.36	
08 54 13 00-0281 EA 48" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,413.98	82.95
For Colored Vinyl, Add	324.81	
For Tinted Glass, Add	389.77	
For Low-E Insulated Glass, Add	812.02	
For Obscure Glass, Add	893.22	
08 54 13 00-0282 EA 56" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,533.14	88.05
For Colored Vinyl, Add	335.70	
For Tinted Glass, Add	402.84	
For Low-E Insulated Glass, Add	839.26	
For Obscure Glass, Add	923.19	
08 54 13 00-0283 52" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0267)</small>		
08 54 13 00-0284 EA 33" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,372.16	75.93
For Colored Vinyl, Add	322.03	
For Tinted Glass, Add	386.44	
For Low-E Insulated Glass, Add	805.08	
For Obscure Glass, Add	885.59	
08 54 13 00-0285 EA 40" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,485.42	80.40
For Colored Vinyl, Add	332.46	
For Tinted Glass, Add	398.96	
For Low-E Insulated Glass, Add	831.16	
For Obscure Glass, Add	914.28	
08 54 13 00-0286 EA 48" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,599.90	85.49
For Colored Vinyl, Add	342.89	
For Tinted Glass, Add	411.47	
For Low-E Insulated Glass, Add	857.23	
For Obscure Glass, Add	942.95	
08 54 13 00-0287 EA 56" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,721.41	90.60
For Colored Vinyl, Add	354.02	
For Tinted Glass, Add	424.82	
For Low-E Insulated Glass, Add	885.05	
For Obscure Glass, Add	973.56	
08 54 13 00-0288 60" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0267)</small>		
08 54 13 00-0289 EA 33" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,548.53	80.40
For Colored Vinyl, Add	338.78	
For Tinted Glass, Add	406.53	
For Low-E Insulated Glass, Add	846.94	
For Obscure Glass, Add	931.63	
08 54 13 00-0290 EA 40" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,668.51	85.49
For Colored Vinyl, Add	349.88	
For Tinted Glass, Add	419.85	
For Low-E Insulated Glass, Add	874.70	
For Obscure Glass, Add	962.17	
08 54 13 00-0291 EA 48" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,789.63	90.60
For Colored Vinyl, Add	360.97	
For Tinted Glass, Add	433.16	
For Low-E Insulated Glass, Add	902.43	
For Obscure Glass, Add	992.67	
08 54 13 00-0292 EA 56" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,913.36	95.07
For Colored Vinyl, Add	372.32	
For Tinted Glass, Add	446.79	
For Low-E Insulated Glass, Add	930.81	
For Obscure Glass, Add	1,023.89	
08 54 13 00-0293 64" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0267)</small>		
08 54 13 00-0294 EA 33" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,727.78	83.59
For Colored Vinyl, Add	356.06	
For Tinted Glass, Add	427.27	
For Low-E Insulated Glass, Add	890.15	
For Obscure Glass, Add	979.17	

08 Openings

08 50 Windows

08 54 Composite Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0295	EA		40" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,847.75	88.05
			<i>For Colored Vinyl, Add</i>	367.17	
			<i>For Tinted Glass, Add</i>	440.60	
			<i>For Low-E Insulated Glass, Add</i>	917.91	
			<i>For Obscure Glass, Add</i>	1,009.70	
08 54 13 00-0296	EA		48" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,968.33	93.15
			<i>For Colored Vinyl, Add</i>	378.20	
			<i>For Tinted Glass, Add</i>	453.84	
			<i>For Low-E Insulated Glass, Add</i>	945.51	
			<i>For Obscure Glass, Add</i>	1,040.06	
08 54 13 00-0297	EA		56" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	4,092.59	98.26
			<i>For Colored Vinyl, Add</i>	389.61	
			<i>For Tinted Glass, Add</i>	467.53	
			<i>For Low-E Insulated Glass, Add</i>	974.02	
			<i>For Obscure Glass, Add</i>	1,071.42	
08 54 13 00-0298			72" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0267)</small>		
08 54 13 00-0299	EA		33" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	3,920.77	88.05
			<i>For Colored Vinyl, Add</i>	374.47	
			<i>For Tinted Glass, Add</i>	449.36	
			<i>For Low-E Insulated Glass, Add</i>	936.17	
			<i>For Obscure Glass, Add</i>	1,029.78	
08 54 13 00-0300	EA		40" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	4,040.74	93.15
			<i>For Colored Vinyl, Add</i>	385.57	
			<i>For Tinted Glass, Add</i>	462.69	
			<i>For Low-E Insulated Glass, Add</i>	963.93	
			<i>For Obscure Glass, Add</i>	1,060.32	
08 54 13 00-0301	EA		48" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	4,161.99	98.26
			<i>For Colored Vinyl, Add</i>	396.68	
			<i>For Tinted Glass, Add</i>	476.01	
			<i>For Low-E Insulated Glass, Add</i>	991.69	
			<i>For Obscure Glass, Add</i>	1,090.86	
08 54 13 00-0302	EA		56" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	4,285.72	102.73
			<i>For Colored Vinyl, Add</i>	408.03	
			<i>For Tinted Glass, Add</i>	489.63	
			<i>For Low-E Insulated Glass, Add</i>	1,020.07	
			<i>For Obscure Glass, Add</i>	1,122.07	
08 54 13 00-0303			Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0220)</small>		
08 54 13 00-0304			36" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0303)</small>		
08 54 13 00-0305	EA		62" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	3,506.63	82.95
			<i>For Colored Vinyl, Add</i>	334.07	
			<i>For Tinted Glass, Add</i>	400.89	
			<i>For Low-E Insulated Glass, Add</i>	835.19	
			<i>For Obscure Glass, Add</i>	918.70	
08 54 13 00-0306	EA		72" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	3,660.10	89.33
			<i>For Colored Vinyl, Add</i>	348.15	
			<i>For Tinted Glass, Add</i>	417.77	
			<i>For Low-E Insulated Glass, Add</i>	870.36	
			<i>For Obscure Glass, Add</i>	957.40	
08 54 13 00-0307	EA		86" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	3,944.04	98.89
			<i>For Colored Vinyl, Add</i>	374.62	
			<i>For Tinted Glass, Add</i>	449.55	
			<i>For Low-E Insulated Glass, Add</i>	936.56	
			<i>For Obscure Glass, Add</i>	1,030.22	
08 54 13 00-0308			40" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0303)</small>		
08 54 13 00-0309	EA		62" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	3,747.74	86.77
			<i>For Colored Vinyl, Add</i>	357.55	
			<i>For Tinted Glass, Add</i>	429.06	
			<i>For Low-E Insulated Glass, Add</i>	893.87	
			<i>For Obscure Glass, Add</i>	983.25	
08 54 13 00-0310	EA		72" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	3,902.64	92.52
			<i>For Colored Vinyl, Add</i>	371.76	
			<i>For Tinted Glass, Add</i>	446.11	
			<i>For Low-E Insulated Glass, Add</i>	929.40	
			<i>For Obscure Glass, Add</i>	1,022.34	
08 54 13 00-0311	EA		86" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	4,205.56	102.08
			<i>For Colored Vinyl, Add</i>	400.14	
			<i>For Tinted Glass, Add</i>	480.17	
			<i>For Low-E Insulated Glass, Add</i>	1,000.35	
			<i>For Obscure Glass, Add</i>	1,100.38	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 54 13 00-0312	48" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0303)</small>		
08 54 13 00-0313	EA 62" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	3,960.32 377.66 453.19 944.14 1,038.55	91.88
08 54 13 00-0314	EA 72" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,152.41 395.72 474.86 989.29 1,088.22	97.62
08 54 13 00-0315	EA 86" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,471.61 425.72 510.87 1,064.31 1,170.74	107.19
08 54 13 00-0316	52" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0303)</small>		
08 54 13 00-0317	EA 62" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,192.06 400.32 480.38 1,000.80 1,100.88	94.43
08 54 13 00-0318	EA 72" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,395.28 419.37 503.24 1,048.42 1,153.26	100.81
08 54 13 00-0319	EA 86" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,770.13 455.07 546.08 1,137.66 1,251.43	109.74
08 54 13 00-0320	60" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0303)</small>		
08 54 13 00-0321	EA 62" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,427.52 422.97 507.57 1,057.43 1,163.17	98.89
08 54 13 00-0322	EA 72" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,640.64 443.01 531.61 1,107.52 1,218.27	105.28
08 54 13 00-0323	EA 86" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	5,072.47 484.41 581.29 1,211.02 1,332.12	114.21
08 54 13 00-0324	64" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0303)</small>		
08 54 13 00-0325	EA 62" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,689.82 448.56 538.28 1,121.41 1,233.55	102.08
08 54 13 00-0326	EA 72" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,902.81 468.59 562.31 1,171.47 1,288.62	108.47
08 54 13 00-0327	EA 86" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	5,334.65 509.99 611.98 1,274.96 1,402.46	117.40
08 54 13 00-0328	72" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0303)</small>		

08 Openings

08 50 Windows

08 54 Composite Windows



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 54 13 00-0329	EA 62" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,955.26	106.55
	For Colored Vinyl, Add	474.22	
	For Tinted Glass, Add	569.06	
	For Low-E Insulated Glass, Add	1,185.54	
	For Obscure Glass, Add	1,304.09	
08 54 13 00-0330	EA 72" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,168.19	112.93
	For Colored Vinyl, Add	494.23	
	For Tinted Glass, Add	593.08	
	For Low-E Insulated Glass, Add	1,235.58	
	For Obscure Glass, Add	1,359.14	
08 54 13 00-0331	EA 86" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,600.03	121.86
	For Colored Vinyl, Add	535.63	
	For Tinted Glass, Add	642.76	
	For Low-E Insulated Glass, Add	1,339.08	
	For Obscure Glass, Add	1,472.98	
08 54 13 00-0332	Replacement, Casement Fiberglass Windows <small>(08 54 13 00-0219)</small>		
	Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0333	One Operating Sash, Replacement, Casement Fiberglass Windows <small>(08 54 13 00-0332)</small>		
08 54 13 00-0334	EA Up To 53" UI, One Operating Sash, Replacement, Casement Fiberglass Window	1,764.30	54.23
	For Colored Vinyl, Add	165.58	
	For Tinted Glass, Add	198.70	
	For Low-E Insulated Glass, Add	413.96	
	For Obscure Glass, Add	455.35	
08 54 13 00-0335	EA >53 To 63" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,007.49	60.62
	For Colored Vinyl, Add	188.63	
	For Tinted Glass, Add	226.35	
	For Low-E Insulated Glass, Add	471.57	
	For Obscure Glass, Add	518.72	
08 54 13 00-0336	EA >63 To 73" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,224.66	67.00
	For Colored Vinyl, Add	209.07	
	For Tinted Glass, Add	250.88	
	For Low-E Insulated Glass, Add	522.67	
	For Obscure Glass, Add	574.93	
08 54 13 00-0337	EA >73" To 83" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,415.75	73.37
	For Colored Vinyl, Add	226.90	
	For Tinted Glass, Add	272.28	
	For Low-E Insulated Glass, Add	567.25	
	For Obscure Glass, Add	623.98	
08 54 13 00-0338	EA >83" To 93" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,580.82	79.75
	For Colored Vinyl, Add	242.13	
	For Tinted Glass, Add	290.56	
	For Low-E Insulated Glass, Add	605.33	
	For Obscure Glass, Add	665.86	
08 54 13 00-0339	EA >93" To 101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,670.39	86.14
	For Colored Vinyl, Add	249.81	
	For Tinted Glass, Add	299.77	
	For Low-E Insulated Glass, Add	624.53	
	For Obscure Glass, Add	686.98	
08 54 13 00-0340	UI >101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	26.37	0.83
	For Colored Vinyl, Add	2.47	
	For Tinted Glass, Add	2.97	
	For Low-E Insulated Glass, Add	6.18	
	For Obscure Glass, Add	6.80	
08 54 13 00-0341	Two Operating Sashes, Replacement, Casement Fiberglass Windows <small>(08 54 13 00-0332)</small>		
08 54 13 00-0342	EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,032.39	67.00
	For Colored Vinyl, Add	289.84	
	For Tinted Glass, Add	347.81	
	For Low-E Insulated Glass, Add	724.60	
	For Obscure Glass, Add	797.06	
08 54 13 00-0343	EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,334.13	73.37
	For Colored Vinyl, Add	318.74	
	For Tinted Glass, Add	382.49	
	For Low-E Insulated Glass, Add	796.85	
	For Obscure Glass, Add	876.53	
08 54 13 00-0344	EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,609.86	79.75
	For Colored Vinyl, Add	345.04	
	For Tinted Glass, Add	414.04	
	For Low-E Insulated Glass, Add	862.59	
	For Obscure Glass, Add	948.85	
08 54 13 00-0345	EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,787.97	86.14
	For Colored Vinyl, Add	361.57	
	For Tinted Glass, Add	433.88	
	For Low-E Insulated Glass, Add	903.93	
	For Obscure Glass, Add	994.32	
08 54 13 00-0346	EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,979.71	92.52
	For Colored Vinyl, Add	379.47	
	For Tinted Glass, Add	455.36	
	For Low-E Insulated Glass, Add	948.67	
	For Obscure Glass, Add	1,043.54	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0347 EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,181.25 398.35 478.01 995.86 1,095.45	98.89
08 54 13 00-0348 UI >120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	34.85 3.32 3.98 8.30 9.13	0.83
08 54 13 00-0349 Three Operating Sashes, Replacement, Casement Fiberglass Windows <small>(08 54 13 00-0332)</small>		
08 54 13 00-0350 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	3,174.93 304.09 364.91 760.24 836.26	67.00
08 54 13 00-0351 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	3,492.32 334.56 401.47 836.39 920.03	73.37
08 54 13 00-0352 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	3,791.45 363.19 435.83 907.99 998.78	79.75
08 54 13 00-0353 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	3,985.15 381.29 457.55 953.22 1,048.54	86.14
08 54 13 00-0354 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,194.49 400.95 481.14 1,002.37 1,102.60	92.52
08 54 13 00-0355 EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	4,415.59 421.78 506.13 1,054.45 1,159.89	98.89
08 54 13 00-0356 UI >120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	36.80 3.51 4.22 8.79 9.66	0.83
08 54 13 00-0357 New Construction, Casement Fiberglass Windows (Anderson Windows) <small>(08 54 13 00-0219)</small>		
Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0358 EA Up To 53" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)..... Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	586.34	54.23
08 54 13 00-0359 EA >53 To 63" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)..... Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	665.60	60.62
08 54 13 00-0360 EA >63 To 73" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)..... Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	737.35	67.00
08 54 13 00-0361 EA >73" To 83" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)..... Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	801.58	73.37
08 54 13 00-0362 EA >83" To 93" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)..... Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	858.30	79.75
08 54 13 00-0363 EA >93" To 101" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)..... Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	893.22	86.14
08 54 13 00-0364 UI >101" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)..... Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	8.81	0.83
08 54 13 00-0365 Awning Fiberglass Windows <small>(08 54 13)</small>		
08 54 13 00-0366 New Construction, Awning Fiberglass Windows <small>(08 54 13 00-0365)</small>		
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0367 Venting, New Construction, Awning Fiberglass Windows <small>(08 54 13 00-0366)</small>		
08 54 13 00-0368 17" Height, Venting, New Construction, Awning Fiberglass Windows <small>(08 54 13 00-0367)</small>		
08 54 13 00-0369 EA 24" x 17", Venting, New Construction, Awning Fiberglass Window..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,786.16 168.15 201.78 420.38 462.42	52.32

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0370	EA		28" x 17", Venting, New Construction, Awning Fiberglass Window	1,869.37	54.88
			<i>For Colored Vinyl, Add</i>	175.96	
			<i>For Tinted Glass, Add</i>	211.16	
			<i>For Low-E Insulated Glass, Add</i>	439.91	
			<i>For Obscure Glass, Add</i>	483.90	
08 54 13 00-0371	EA		36" x 17", Venting, New Construction, Awning Fiberglass Window	1,995.47	59.34
			<i>For Colored Vinyl, Add</i>	187.68	
			<i>For Tinted Glass, Add</i>	225.22	
			<i>For Low-E Insulated Glass, Add</i>	469.20	
			<i>For Obscure Glass, Add</i>	516.12	
08 54 13 00-0372	EA		40" x 17", Venting, New Construction, Awning Fiberglass Window	2,075.54	62.53
			<i>For Colored Vinyl, Add</i>	195.05	
			<i>For Tinted Glass, Add</i>	234.06	
			<i>For Low-E Insulated Glass, Add</i>	487.62	
			<i>For Obscure Glass, Add</i>	536.38	
08 54 13 00-0373	EA		48" x 17", Venting, New Construction, Awning Fiberglass Window	2,207.28	67.63
			<i>For Colored Vinyl, Add</i>	207.20	
			<i>For Tinted Glass, Add</i>	248.64	
			<i>For Low-E Insulated Glass, Add</i>	518.01	
			<i>For Obscure Glass, Add</i>	569.81	
08 54 13 00-0374			20" Height, Venting, New Construction, Awning Fiberglass Windows <small>(08 54 13 00-0367)</small>		
08 54 13 00-0375	EA		24" x 20", Venting, New Construction, Awning Fiberglass Window	1,887.60	54.88
			<i>For Colored Vinyl, Add</i>	177.91	
			<i>For Tinted Glass, Add</i>	213.50	
			<i>For Low-E Insulated Glass, Add</i>	444.78	
			<i>For Obscure Glass, Add</i>	489.26	
08 54 13 00-0376	EA		28" x 20", Venting, New Construction, Awning Fiberglass Window	1,970.81	57.42
			<i>For Colored Vinyl, Add</i>	185.72	
			<i>For Tinted Glass, Add</i>	222.87	
			<i>For Low-E Insulated Glass, Add</i>	464.31	
			<i>For Obscure Glass, Add</i>	510.74	
08 54 13 00-0377	EA		36" x 20", Venting, New Construction, Awning Fiberglass Window	2,107.75	61.25
			<i>For Colored Vinyl, Add</i>	198.52	
			<i>For Tinted Glass, Add</i>	238.23	
			<i>For Low-E Insulated Glass, Add</i>	496.31	
			<i>For Obscure Glass, Add</i>	545.94	
08 54 13 00-0378	EA		40" x 20", Venting, New Construction, Awning Fiberglass Window	2,187.93	65.08
			<i>For Colored Vinyl, Add</i>	205.91	
			<i>For Tinted Glass, Add</i>	247.09	
			<i>For Low-E Insulated Glass, Add</i>	514.76	
			<i>For Obscure Glass, Add</i>	566.24	
08 54 13 00-0379	EA		48" x 20", Venting, New Construction, Awning Fiberglass Window	2,330.38	69.55
			<i>For Colored Vinyl, Add</i>	219.13	
			<i>For Tinted Glass, Add</i>	262.95	
			<i>For Low-E Insulated Glass, Add</i>	547.82	
			<i>For Obscure Glass, Add</i>	602.60	
08 54 13 00-0380			24" Height, Venting, New Construction, Awning Fiberglass Windows <small>(08 54 13 00-0367)</small>		
08 54 13 00-0381	EA		24" x 24", Venting, New Construction, Awning Fiberglass Window	1,946.88	57.42
			<i>For Colored Vinyl, Add</i>	183.33	
			<i>For Tinted Glass, Add</i>	220.00	
			<i>For Low-E Insulated Glass, Add</i>	458.33	
			<i>For Obscure Glass, Add</i>	504.16	
08 54 13 00-0382	EA		28" x 24", Venting, New Construction, Awning Fiberglass Window	2,030.10	59.97
			<i>For Colored Vinyl, Add</i>	191.14	
			<i>For Tinted Glass, Add</i>	229.37	
			<i>For Low-E Insulated Glass, Add</i>	477.86	
			<i>For Obscure Glass, Add</i>	525.64	
08 54 13 00-0383	EA		36" x 24", Venting, New Construction, Awning Fiberglass Window	2,172.44	63.81
			<i>For Colored Vinyl, Add</i>	204.48	
			<i>For Tinted Glass, Add</i>	245.38	
			<i>For Low-E Insulated Glass, Add</i>	511.21	
			<i>For Obscure Glass, Add</i>	562.33	
08 54 13 00-0384	EA		40" x 24", Venting, New Construction, Awning Fiberglass Window	2,261.37	67.63
			<i>For Colored Vinyl, Add</i>	212.74	
			<i>For Tinted Glass, Add</i>	255.29	
			<i>For Low-E Insulated Glass, Add</i>	531.85	
			<i>For Obscure Glass, Add</i>	585.03	
08 54 13 00-0385	EA		48" x 24", Venting, New Construction, Awning Fiberglass Window	2,406.02	72.10
			<i>For Colored Vinyl, Add</i>	226.18	
			<i>For Tinted Glass, Add</i>	271.42	
			<i>For Low-E Insulated Glass, Add</i>	565.46	
			<i>For Obscure Glass, Add</i>	622.00	
08 54 13 00-0386			28" Height, Venting, New Construction, Awning Fiberglass Windows <small>(08 54 13 00-0367)</small>		
08 54 13 00-0387	EA		24" x 28", Venting, New Construction, Awning Fiberglass Window	2,006.23	59.97
			<i>For Colored Vinyl, Add</i>	188.76	
			<i>For Tinted Glass, Add</i>	226.51	
			<i>For Low-E Insulated Glass, Add</i>	471.89	
			<i>For Obscure Glass, Add</i>	519.08	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0388	EA		28" x 28", Venting, New Construction, Awning Fiberglass Window	2,089.45	62.53
			<i>For Colored Vinyl, Add</i>	196.57	
			<i>For Tinted Glass, Add</i>	235.88	
			<i>For Low-E Insulated Glass, Add</i>	491.42	
			<i>For Obscure Glass, Add</i>	540.56	
08 54 13 00-0389	EA		36" x 28", Venting, New Construction, Awning Fiberglass Window	2,237.27	66.36
			<i>For Colored Vinyl, Add</i>	210.46	
			<i>For Tinted Glass, Add</i>	252.55	
			<i>For Low-E Insulated Glass, Add</i>	526.14	
			<i>For Obscure Glass, Add</i>	578.75	
08 54 13 00-0390	EA		40" x 28", Venting, New Construction, Awning Fiberglass Window	2,334.29	70.18
			<i>For Colored Vinyl, Add</i>	219.52	
			<i>For Tinted Glass, Add</i>	263.42	
			<i>For Low-E Insulated Glass, Add</i>	548.80	
			<i>For Obscure Glass, Add</i>	603.68	
08 54 13 00-0391	EA		48" x 28", Venting, New Construction, Awning Fiberglass Window	2,481.68	74.65
			<i>For Colored Vinyl, Add</i>	233.24	
			<i>For Tinted Glass, Add</i>	279.89	
			<i>For Low-E Insulated Glass, Add</i>	583.10	
			<i>For Obscure Glass, Add</i>	641.40	
08 54 13 00-0392			36" Height, Venting, New Construction, Awning Fiberglass Windows (08 54 13 00-0367)		
08 54 13 00-0393	EA		36" x 36", Venting, New Construction, Awning Fiberglass Window	2,365.46	70.82
			<i>For Colored Vinyl, Add</i>	222.38	
			<i>For Tinted Glass, Add</i>	266.86	
			<i>For Low-E Insulated Glass, Add</i>	555.95	
			<i>For Obscure Glass, Add</i>	611.55	
08 54 13 00-0394	EA		40" x 36", Venting, New Construction, Awning Fiberglass Window	2,462.61	74.01
			<i>For Colored Vinyl, Add</i>	231.46	
			<i>For Tinted Glass, Add</i>	277.75	
			<i>For Low-E Insulated Glass, Add</i>	578.65	
			<i>For Obscure Glass, Add</i>	636.51	
08 54 13 00-0395	EA		48" x 36", Venting, New Construction, Awning Fiberglass Window	2,620.82	79.12
			<i>For Colored Vinyl, Add</i>	246.26	
			<i>For Tinted Glass, Add</i>	295.51	
			<i>For Low-E Insulated Glass, Add</i>	615.65	
			<i>For Obscure Glass, Add</i>	677.21	
08 54 13 00-0396			Replacement, Awning Fiberglass Windows (08 54 13 00-0365)		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0397	EA		Up To 53" UI, Replacement, Awning Fiberglass Window	1,867.84	54.23
			<i>For Colored Vinyl, Add</i>	175.94	
			<i>For Tinted Glass, Add</i>	211.12	
			<i>For Low-E Insulated Glass, Add</i>	439.84	
			<i>For Obscure Glass, Add</i>	483.83	
08 54 13 00-0398	EA		>53" To 63" UI, Replacement, Awning Fiberglass Window	2,171.54	60.62
			<i>For Colored Vinyl, Add</i>	205.03	
			<i>For Tinted Glass, Add</i>	246.04	
			<i>For Low-E Insulated Glass, Add</i>	512.58	
			<i>For Obscure Glass, Add</i>	563.84	
08 54 13 00-0399	EA		>63" To 73" UI, Replacement, Awning Fiberglass Window	2,462.19	67.00
			<i>For Colored Vinyl, Add</i>	232.82	
			<i>For Tinted Glass, Add</i>	279.38	
			<i>For Low-E Insulated Glass, Add</i>	582.05	
			<i>For Obscure Glass, Add</i>	640.26	
08 54 13 00-0400	EA		>73" To 83" UI, Replacement, Awning Fiberglass Window	2,739.87	73.37
			<i>For Colored Vinyl, Add</i>	259.31	
			<i>For Tinted Glass, Add</i>	311.17	
			<i>For Low-E Insulated Glass, Add</i>	648.28	
			<i>For Obscure Glass, Add</i>	713.11	
08 54 13 00-0401	EA		>83" To 93" UI, Replacement, Awning Fiberglass Window	3,004.58	79.75
			<i>For Colored Vinyl, Add</i>	284.51	
			<i>For Tinted Glass, Add</i>	341.41	
			<i>For Low-E Insulated Glass, Add</i>	711.27	
			<i>For Obscure Glass, Add</i>	782.39	
08 54 13 00-0402	EA		>93" To 101" UI, Replacement, Awning Fiberglass Window	3,130.53	86.14
			<i>For Colored Vinyl, Add</i>	295.83	
			<i>For Tinted Glass, Add</i>	354.99	
			<i>For Low-E Insulated Glass, Add</i>	739.57	
			<i>For Obscure Glass, Add</i>	813.52	
08 54 13 00-0403	UI		>101" UI, Replacement, Awning Fiberglass Window	30.94	0.83
			<i>For Colored Vinyl, Add</i>	2.93	
			<i>For Tinted Glass, Add</i>	3.51	
			<i>For Low-E Insulated Glass, Add</i>	7.32	
			<i>For Obscure Glass, Add</i>	8.05	
08 54 13 00-0404			New Construction, Awning Fiberglass Windows (Anderson Windows) (08 54 13 00-0365)		
			Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0405 EA Up To 53" Ul, Awning Fiberglass Window (Anderson Windows).....	411.52	54.23
Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass		
For Tempered Glass, Add	43.67	
08 54 13 00-0406 EA >53" To 63" Ul, Awning Fiberglass Window (Anderson Windows).....	474.40	60.62
Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass		
For Tempered Glass, Add	50.89	
08 54 13 00-0407 EA >63" To 73" Ul, Awning Fiberglass Window (Anderson Windows).....	535.03	67.00
Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass		
For Tempered Glass, Add	57.79	
08 54 13 00-0408 EA >73" To 83" Ul, Awning Fiberglass Window (Anderson Windows).....	593.41	73.37
Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass		
For Tempered Glass, Add	64.36	
08 54 13 00-0409 Ul >83" Ul, Awning Fiberglass Window (Anderson Windows).....	6.70	0.83
Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass		
For Tempered Glass, Add	0.73	
08 54 13 00-0410 Horizontal Sliding Fiberglass Windows (08 54 13)		
08 54 13 00-0411 New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0410)		
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0412 20" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0411)		
08 54 13 00-0413 EA 36" x 20", New Construction, Horizontal Sliding Fiberglass Window	909.67	62.53
For Colored Vinyl, Add	78.59	
For Tinted Glass, Add	94.31	
For Low-E Insulated Glass, Add	196.47	
For Obscure Glass, Add	216.12	
08 54 13 00-0414 EA 48" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,002.06	70.18
For Colored Vinyl, Add	86.30	
For Tinted Glass, Add	103.56	
For Low-E Insulated Glass, Add	215.74	
For Obscure Glass, Add	237.31	
08 54 13 00-0415 EA 54" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,048.25	73.37
For Colored Vinyl, Add	90.15	
For Tinted Glass, Add	108.18	
For Low-E Insulated Glass, Add	225.38	
For Obscure Glass, Add	247.91	
08 54 13 00-0416 EA 60" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,094.44	77.21
For Colored Vinyl, Add	94.00	
For Tinted Glass, Add	112.80	
For Low-E Insulated Glass, Add	235.01	
For Obscure Glass, Add	258.51	
08 54 13 00-0417 EA 64" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,125.17	80.40
For Colored Vinyl, Add	96.57	
For Tinted Glass, Add	115.88	
For Low-E Insulated Glass, Add	241.42	
For Obscure Glass, Add	265.56	
08 54 13 00-0418 EA 72" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,186.82	84.86
For Colored Vinyl, Add	101.71	
For Tinted Glass, Add	122.05	
For Low-E Insulated Glass, Add	254.28	
For Obscure Glass, Add	279.70	
08 54 13 00-0419 24" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0411)		
08 54 13 00-0420 EA 36" x 24", New Construction, Horizontal Sliding Fiberglass Window	958.13	65.08
For Colored Vinyl, Add	82.93	
For Tinted Glass, Add	99.51	
For Low-E Insulated Glass, Add	207.31	
For Obscure Glass, Add	228.04	
08 54 13 00-0421 EA 48" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,054.03	72.74
For Colored Vinyl, Add	90.98	
For Tinted Glass, Add	109.18	
For Low-E Insulated Glass, Add	227.46	
For Obscure Glass, Add	250.21	
08 54 13 00-0422 EA 54" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,102.38	75.93
For Colored Vinyl, Add	95.05	
For Tinted Glass, Add	114.06	
For Low-E Insulated Glass, Add	237.63	
For Obscure Glass, Add	261.40	
08 54 13 00-0423 EA 60" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,150.01	79.75
For Colored Vinyl, Add	99.05	
For Tinted Glass, Add	118.86	
For Low-E Insulated Glass, Add	247.63	
For Obscure Glass, Add	272.39	
08 54 13 00-0424 EA 64" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,181.98	82.95
For Colored Vinyl, Add	101.74	
For Tinted Glass, Add	122.08	
For Low-E Insulated Glass, Add	254.34	
For Obscure Glass, Add	279.77	



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0425 EA 72" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,245.91	87.41
For Colored Vinyl, Add	107.11	
For Tinted Glass, Add	128.53	
For Low-E Insulated Glass, Add	267.77	
For Obscure Glass, Add	294.55	
08 54 13 00-0426 36" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-		
0411)		
08 54 13 00-0427 EA 36" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,104.63	72.74
For Colored Vinyl, Add	96.04	
For Tinted Glass, Add	115.25	
For Low-E Insulated Glass, Add	240.11	
For Obscure Glass, Add	264.12	
08 54 13 00-0428 EA 48" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,211.89	80.40
For Colored Vinyl, Add	105.24	
For Tinted Glass, Add	126.29	
For Low-E Insulated Glass, Add	263.10	
For Obscure Glass, Add	289.40	
08 54 13 00-0429 EA 54" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,265.58	83.59
For Colored Vinyl, Add	109.84	
For Tinted Glass, Add	131.81	
For Low-E Insulated Glass, Add	274.60	
For Obscure Glass, Add	302.06	
08 54 13 00-0430 EA 60" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,319.20	87.41
For Colored Vinyl, Add	114.44	
For Tinted Glass, Add	137.33	
For Low-E Insulated Glass, Add	286.10	
For Obscure Glass, Add	314.70	
08 54 13 00-0431 EA 64" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,355.02	89.33
For Colored Vinyl, Add	117.51	
For Tinted Glass, Add	141.01	
For Low-E Insulated Glass, Add	293.77	
For Obscure Glass, Add	323.15	
08 54 13 00-0432 EA 72" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,426.58	95.07
For Colored Vinyl, Add	123.64	
For Tinted Glass, Add	148.37	
For Low-E Insulated Glass, Add	309.11	
For Obscure Glass, Add	340.02	
08 54 13 00-0433 42" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-		
0411)		
08 54 13 00-0434 EA 36" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,177.88	76.56
For Colored Vinyl, Add	102.60	
For Tinted Glass, Add	123.12	
For Low-E Insulated Glass, Add	256.51	
For Obscure Glass, Add	282.16	
08 54 13 00-0435 EA 48" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,290.88	84.22
For Colored Vinyl, Add	112.37	
For Tinted Glass, Add	134.85	
For Low-E Insulated Glass, Add	280.93	
For Obscure Glass, Add	309.02	
08 54 13 00-0436 EA 54" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,347.43	87.41
For Colored Vinyl, Add	117.26	
For Tinted Glass, Add	140.71	
For Low-E Insulated Glass, Add	293.15	
For Obscure Glass, Add	322.47	
08 54 13 00-0437 EA 60" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,403.93	91.24
For Colored Vinyl, Add	122.15	
For Tinted Glass, Add	146.57	
For Low-E Insulated Glass, Add	305.36	
For Obscure Glass, Add	335.90	
08 54 13 00-0438 EA 64" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,441.44	94.43
For Colored Vinyl, Add	125.39	
For Tinted Glass, Add	150.46	
For Low-E Insulated Glass, Add	313.46	
For Obscure Glass, Add	344.81	
08 54 13 00-0439 EA 72" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,516.92	98.89
For Colored Vinyl, Add	131.91	
For Tinted Glass, Add	158.29	
For Low-E Insulated Glass, Add	329.78	
For Obscure Glass, Add	362.76	
08 54 13 00-0440 44" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-		
0411)		
08 54 13 00-0441 EA 36" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,202.35	77.84
For Colored Vinyl, Add	104.79	
For Tinted Glass, Add	125.75	
For Low-E Insulated Glass, Add	261.99	
For Obscure Glass, Add	288.18	
08 54 13 00-0442 EA 48" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,317.23	85.49
For Colored Vinyl, Add	114.75	
For Tinted Glass, Add	137.70	
For Low-E Insulated Glass, Add	286.88	
For Obscure Glass, Add	315.57	

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0443	EA		54" x 44", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,374.63 119.73 143.67 299.32 329.25	88.69
08 54 13 00-0444	EA		60" x 44", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,432.10 124.71 149.65 311.77 342.94	92.52
08 54 13 00-0445	EA		64" x 44", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,470.47 128.03 153.64 320.08 352.09	95.70
08 54 13 00-0446	EA		72" x 44", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,546.91 134.66 161.59 336.64 370.31	100.18
08 54 13 00-0447			46" Height, New Construction, Horizontal Sliding Fiberglass Windows <small>(08 54 13 00-0411)</small>		
08 54 13 00-0448	EA		36" x 46", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,226.75 106.98 128.37 267.45 294.19	79.12
08 54 13 00-0449	EA		48" x 46", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,343.51 117.12 140.55 292.81 322.09	86.77
08 54 13 00-0450	EA		54" x 46", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,401.90 122.20 146.64 305.49 336.04	89.96
08 54 13 00-0451	EA		60" x 46", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,460.22 127.26 152.72 318.16 349.97	93.79
08 54 13 00-0452	EA		64" x 46", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,499.16 130.65 156.78 326.62 359.28	96.99
08 54 13 00-0453	EA		72" x 46", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,577.04 137.42 164.90 343.54 377.89	101.45
08 54 13 00-0454			48" Height, New Construction, Horizontal Sliding Fiberglass Windows <small>(08 54 13 00-0411)</small>		
08 54 13 00-0455	EA		36" x 48", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,251.20 109.17 131.00 272.92 300.21	80.40
08 54 13 00-0456	EA		48" x 48", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,369.86 119.50 143.40 298.76 328.64	88.05
08 54 13 00-0457	EA		54" x 48", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,429.16 124.67 149.60 311.67 342.84	91.24
08 54 13 00-0458	EA		60" x 48", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,488.40 129.83 155.79 324.57 357.02	95.07
08 54 13 00-0459	EA		64" x 48", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,527.99 133.28 159.93 333.19 366.51	98.26



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0460 EA 72" x 48", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,607.18 140.17 168.21 350.43 385.48	102.73
08 54 13 00-0461 50" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00- 0411)		
08 54 13 00-0462 EA 36" x 50", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,275.60 111.35 133.62 278.39 306.22	81.67
08 54 13 00-0463 EA 48" x 50", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,396.08 121.87 146.25 304.68 335.15	89.33
08 54 13 00-0464 EA 54" x 50", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,456.36 127.13 152.56 317.83 349.62	92.52
08 54 13 00-0465 EA 60" x 50", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,516.57 132.39 158.87 330.97 364.07	96.34
08 54 13 00-0466 EA 64" x 50", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,556.83 135.90 163.08 339.76 373.73	99.53
08 54 13 00-0467 EA 72" x 50", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,637.25 142.93 171.51 357.31 393.04	104.00
08 54 13 00-0468 52" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00- 0411)		
08 54 13 00-0469 EA 36" x 52", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,300.00 113.54 136.25 283.85 312.23	82.95
08 54 13 00-0470 EA 48" x 52", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,422.50 124.26 149.11 310.64 341.71	90.60
08 54 13 00-0471 EA 54" x 52", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,483.63 129.60 155.52 324.01 356.41	93.79
08 54 13 00-0472 EA 60" x 52", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,544.94 134.97 161.96 337.43 371.17	97.62
08 54 13 00-0473 EA 64" x 52", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,585.71 138.54 166.24 346.34 380.98	100.81
08 54 13 00-0474 EA 72" x 52", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,667.38 145.68 174.82 364.21 400.63	105.28
08 54 13 00-0475 54" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00- 0411)		
08 54 13 00-0476 EA 36" x 54", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,324.46 115.73 138.87 289.32 318.25	84.22
08 54 13 00-0477 EA 48" x 54", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,448.72 126.62 151.95 316.56 348.22	91.88

08 Openings

08 50 Windows

08 54 Composite Windows



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 54 13 00-0478	EA 54" x 54", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,510.89 132.08 158.49 330.19 363.21	95.07
08 54 13 00-0479	EA 60" x 54", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,573.13 137.53 165.04 343.83 378.22	98.89
08 54 13 00-0480	EA 64" x 54", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,614.53 141.16 169.40 352.91 388.20	102.08
08 54 13 00-0481	EA 72" x 54", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,697.39 148.43 178.11 371.07 408.18	106.55
08 54 13 00-0482	60" Height, New Construction, Horizontal Sliding Fiberglass Windows (08 54 13 00-0411)		
08 54 13 00-0483	EA 36" x 60", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,455.41 128.06 153.67 320.15 352.16	88.05
08 54 13 00-0484	EA 48" x 60", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,527.71 133.76 160.51 334.39 367.83	95.70
08 54 13 00-0485	EA 54" x 60", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,592.75 139.50 167.39 348.74 383.61	98.89
08 54 13 00-0486	EA 60" x 60", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,657.72 145.23 174.27 363.07 399.37	102.73
08 54 13 00-0487	EA 64" x 60", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,701.09 149.05 178.86 372.64 409.90	105.92
08 54 13 00-0488	EA 72" x 60", New Construction, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,787.73 156.70 188.04 391.74 430.91	110.38
08 54 13 00-0489	Replacement, Horizontal Sliding Fiberglass Windows (08 54 13 00-0410) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0490	EA Up To 73" UI, Replacement, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,606.93 147.29 176.75 368.24 405.06	67.00
08 54 13 00-0491	EA >73" To 83" UI, Replacement, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,767.44 162.07 194.48 405.17 445.69	73.37
08 54 13 00-0492	EA >83" To 93" UI, Replacement, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,914.97 175.55 210.66 438.87 482.75	79.75
08 54 13 00-0493	EA >93" To 101" UI, Replacement, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	2,013.02 184.08 220.89 460.19 506.21	86.14
08 54 13 00-0494	EA >101" To 110" UI, Replacement, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	2,118.17 193.31 231.98 483.29 531.61	92.52



Openings	08	08
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0495 EA >110" To 120" UI, Replacement, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	2,306.66 210.89 253.06 527.22 579.94	98.89
08 54 13 00-0496 UI >120" UI, Replacement, Horizontal Sliding Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	19.26 1.76 2.11 4.40 4.84	0.83
08 54 13 00-0497 New Construction, Horizontal Sliding Fiberglass Windows (Anderson Windows) <small>(08 54 13 00-0410)</small> Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0498 EA Up To 73" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	565.72	67.00
08 54 13 00-0499 EA >73" To 83" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	621.79	73.37
08 54 13 00-0500 EA >83" To 93" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	674.04	79.75
08 54 13 00-0501 EA >93" To 101" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	735.89	86.14
08 54 13 00-0502 EA >101" To 110" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	813.69	92.52
08 54 13 00-0503 EA >110" To 120" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	891.49	98.89
08 54 13 00-0504 UI >120" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	7.44	0.83
08 54 13 00-0505 Fixed Picture Fiberglass Windows <small>(08 54 13)</small>		
08 54 13 00-0506 New Construction, Fixed Picture Vinyl Windows (Anderson Windows) <small>(08 54 13 00-0505)</small> Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0507 EA Up To 73" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	493.28	67.00
08 54 13 00-0508 EA >73" To 83" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	540.66	73.37
08 54 13 00-0509 EA >83" To 93" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	584.53	79.75
08 54 13 00-0510 EA >93" To 101" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	616.10	86.14
08 54 13 00-0511 EA >101" To 110" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	649.07	92.52
08 54 13 00-0512 EA >110" To 120" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	704.04	98.89
08 54 13 00-0513 UI >120" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	5.88	0.83
08 54 13 00-0514 Basement Fiberglass Windows <small>(08 54 13)</small>		
08 54 13 00-0515 New Construction, Basement Fiberglass Windows <small>(08 54 13 00-0514)</small> Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0516 EA 32" x 15", New Construction, Basement Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	883.15 78.11 93.73 195.27 214.79	51.04
08 54 13 00-0517 EA 32" x 20", New Construction, Basement Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	974.30 87.22 104.67 218.06 239.86	51.04
08 54 13 00-0518 EA 32" x 23", New Construction, Basement Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,026.33 92.43 110.91 231.06 254.17	51.04
08 54 13 00-0519 Replacement, Basement Fiberglass Windows <small>(08 54 13 00-0514)</small> Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0520 EA Up To 47" UI, Replacement, Basement Fiberglass Window <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	1,206.02 110.65 132.78 276.62 304.28	49.77

08 Openings**08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0521	EA		>47" To 55" UI, Replacement, Basement Fiberglass Window	1,331.99	57.42
			<i>For Colored Vinyl, Add</i>	121.71	
			<i>For Tinted Glass, Add</i>	146.06	
			<i>For Low-E Insulated Glass, Add</i>	304.29	
			<i>For Obscure Glass, Add</i>	334.71	
08 54 13 00-0522	UI		>55" UI, Replacement, Basement Fiberglass Window.....	23.76	0.83
			<i>For Colored Vinyl, Add</i>	2.21	
			<i>For Tinted Glass, Add</i>	2.65	
			<i>For Low-E Insulated Glass, Add</i>	5.53	
			<i>For Obscure Glass, Add</i>	6.08	

08 54 66 Fiberglass Window Screens (08 54)**08 54 66 00-0001 Insect Screens For Fiberglass Windows (08 54 66)**

08 54 66 00-0002	EA		Up To 6 SF, Insect Screen For Fiberglass Windows	52.96	9.00
08 54 66 00-0003	EA		>6 To 9 SF, Insect Screen For Fiberglass Windows.....	73.93	9.00
08 54 66 00-0004	EA		>9 To 12 SF, Insect Screen For Fiberglass Windows	80.93	9.00
08 54 66 00-0005	EA		>12 To 15 SF, Insect Screen For Fiberglass Windows.....	94.91	9.00
08 54 66 00-0006	EA		>15 To 20 SF, Insect Screen For Fiberglass Windows.....	126.37	9.00
08 54 66 00-0007	EA		>20 To 25 SF, Insect Screen For Fiberglass Windows.....	140.36	9.00
08 54 66 00-0008	EA		>25 To 30 SF, Insect Screen For Fiberglass Windows.....	161.33	9.00
08 54 66 00-0009	EA		>30 To 35 SF, Insect Screen For Fiberglass Windows.....	175.32	9.00
08 54 66 00-0010	SF		>35 SF, Insect Screen For Fiberglass Windows.....	5.34	0.18

08 54 66 00-0011 Factory Installed Grilles For Fiberglass Windows (08 54 66)**08 54 66 00-0012 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows (08 54 66 00-0011)**

08 54 66 00-0013	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	53.84	
08 54 66 00-0014	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	69.22	
08 54 66 00-0015	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	89.15	
08 54 66 00-0016	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	105.23	
08 54 66 00-0017	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	129.35	

08 54 66 00-0018 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows (08 54 66 00-0011)

08 54 66 00-0019	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	122.36	
08 54 66 00-0020	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	146.83	
08 54 66 00-0021	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	185.28	
08 54 66 00-0022	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	230.73	
08 54 66 00-0023	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	276.18	

08 56 Special Function Windows (08 50)**08 56 19 Pass Windows (08 56)****08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)**

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,918.38	652.50
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	45.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,428.30	706.88
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	60.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,704.33	761.25
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	70.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,150.99	870.01
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	100.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,614.31	1,305.01
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	150.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	975.00	

08 56 49 Radiation Shielding Windows (08 56)**08 56 49 00-0001 Lead Lined Window Frames (08 56 49)**

08 56 49 00-0002	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame.....	53.24	9.57
08 56 49 00-0003	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame.....	59.97	9.57



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 56 56 Security Window Screens (08 56)

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001	Wire Mesh Security Screen (08 56 56)		
08 56 56 00-0002	Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)		
08 56 56 00-0003	SF 13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	23.57	4.89
	For Painted Steel, Add	1.71	
	For Galvanized Steel, Add	3.41	
	For Aluminum, Add	6.82	
	For Stainless Steel, Add	29.84	
08 56 56 00-0004	SF 11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	24.06	4.89
	For Painted Steel, Add	1.75	
	For Galvanized Steel, Add	3.51	
	For Aluminum, Add	7.02	
	For Stainless Steel, Add	30.70	
08 56 56 00-0005	SF 9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	26.31	4.89
	For Painted Steel, Add	1.98	
	For Galvanized Steel, Add	3.96	
	For Aluminum, Add	7.92	
	For Stainless Steel, Add	34.63	
08 56 56 00-0006	SF 6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	31.12	4.89
	For Painted Steel, Add	2.46	
	For Galvanized Steel, Add	4.92	
	For Aluminum, Add	9.84	
	For Stainless Steel, Add	43.05	
08 56 56 00-0007	Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)		
08 56 56 00-0008	SF 13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	32.99	5.99
	For Painted Steel, Add	2.43	
	For Galvanized Steel, Add	4.86	
	For Aluminum, Add	9.72	
	For Stainless Steel, Add	42.51	
08 56 56 00-0009	SF 11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	33.73	5.99
	For Painted Steel, Add	2.50	
	For Galvanized Steel, Add	5.01	
	For Aluminum, Add	10.01	
	For Stainless Steel, Add	43.80	
08 56 56 00-0010	SF 9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	36.96	5.99
	For Painted Steel, Add	2.83	
	For Galvanized Steel, Add	5.65	
	For Aluminum, Add	11.30	
	For Stainless Steel, Add	49.46	
08 56 56 00-0011	SF 6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	43.71	5.99
	For Painted Steel, Add	3.50	
	For Galvanized Steel, Add	7.00	
	For Aluminum, Add	14.00	
	For Stainless Steel, Add	61.27	
08 56 56 00-0012	Wire Cloth Security Screen (08 56 56)		
	Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013	Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0014	SF 24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	15.61	3.27
	For Painted Steel, Add	0.51	
	For Galvanized Steel, Add	1.53	
	For Aluminum, Add	3.05	
	For Stainless Steel, Add	12.71	
08 56 56 00-0015	SF 22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	16.29	3.27
	For Painted Steel, Add	0.54	
	For Galvanized Steel, Add	1.63	
	For Aluminum, Add	3.26	
	For Stainless Steel, Add	13.56	
08 56 56 00-0016	SF 20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	17.37	3.27
	For Painted Steel, Add	0.60	
	For Galvanized Steel, Add	1.79	
	For Aluminum, Add	3.58	
	For Stainless Steel, Add	14.91	
08 56 56 00-0017	SF 18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	19.42	3.27
	For Painted Steel, Add	0.70	
	For Galvanized Steel, Add	2.10	
	For Aluminum, Add	4.19	
	For Stainless Steel, Add	17.48	
08 56 56 00-0018	Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0019	SF 24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	21.01	4.35
	For Painted Steel, Add	0.72	
	For Galvanized Steel, Add	2.17	
	For Aluminum, Add	4.35	
	For Stainless Steel, Add	18.11	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	22.07	4.35
			<i>For Painted Steel, Add</i>	0.78	
			<i>For Galvanized Steel, Add</i>	2.33	
			<i>For Aluminum, Add</i>	4.67	
			<i>For Stainless Steel, Add</i>	19.44	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	23.53	4.35
			<i>For Painted Steel, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.55	
			<i>For Aluminum, Add</i>	5.10	
			<i>For Stainless Steel, Add</i>	21.26	
08 56 56 00-0022	SF		18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	26.47	4.35
			<i>For Painted Steel, Add</i>	1.00	
			<i>For Galvanized Steel, Add</i>	2.99	
			<i>For Aluminum, Add</i>	5.99	
			<i>For Stainless Steel, Add</i>	24.94	
08 56 56 00-0023			Expanded Metal Security Screen <small>(08 56 56)</small>		
			Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024			Expanded Metal, Inoperable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF		1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen.....	29.64	8.16
			<i>For Painted Steel, Add</i>	0.99	
			<i>For Galvanized Steel, Add</i>	2.98	
			<i>For Aluminum, Add</i>	5.96	
			<i>For Stainless Steel, Add</i>	24.81	
08 56 56 00-0026	SF		1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	34.64	9.79
			<i>For Painted Steel, Add</i>	1.13	
			<i>For Galvanized Steel, Add</i>	3.40	
			<i>For Aluminum, Add</i>	6.80	
			<i>For Stainless Steel, Add</i>	28.35	
08 56 56 00-0027	SF		3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	38.88	11.96
			<i>For Painted Steel, Add</i>	1.24	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For Aluminum, Add</i>	7.42	
			<i>For Stainless Steel, Add</i>	30.93	
08 56 56 00-0028	SF		3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	45.66	14.14
			<i>For Painted Steel, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.24	
			<i>For Aluminum, Add</i>	8.48	
			<i>For Stainless Steel, Add</i>	35.33	
08 56 56 00-0029	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	42.51	13.59
			<i>For Painted Steel, Add</i>	1.31	
			<i>For Galvanized Steel, Add</i>	3.93	
			<i>For Aluminum, Add</i>	7.86	
			<i>For Stainless Steel, Add</i>	32.75	
08 56 56 00-0030	SF		3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	53.61	17.40
			<i>For Painted Steel, Add</i>	1.65	
			<i>For Galvanized Steel, Add</i>	4.94	
			<i>For Aluminum, Add</i>	9.89	
			<i>For Stainless Steel, Add</i>	41.19	
08 56 56 00-0031			Expanded Metal, Operable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0032	SF		1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	35.87	9.79
			<i>For Painted Steel, Add</i>	1.20	
			<i>For Galvanized Steel, Add</i>	3.59	
			<i>For Aluminum, Add</i>	7.17	
			<i>For Stainless Steel, Add</i>	29.89	
08 56 56 00-0033	SF		1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	46.51	11.96
			<i>For Painted Steel, Add</i>	1.62	
			<i>For Galvanized Steel, Add</i>	4.86	
			<i>For Aluminum, Add</i>	9.71	
			<i>For Stainless Steel, Add</i>	40.46	
08 56 56 00-0034	SF		3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	51.61	13.59
			<i>For Painted Steel, Add</i>	1.77	
			<i>For Galvanized Steel, Add</i>	5.30	
			<i>For Aluminum, Add</i>	10.59	
			<i>For Stainless Steel, Add</i>	44.13	
08 56 56 00-0035	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	55.83	15.23
			<i>For Painted Steel, Add</i>	1.87	
			<i>For Galvanized Steel, Add</i>	5.60	
			<i>For Aluminum, Add</i>	11.21	
			<i>For Stainless Steel, Add</i>	46.69	
08 56 56 00-0036	SF		3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	60.93	17.40
			<i>For Painted Steel, Add</i>	2.01	
			<i>For Galvanized Steel, Add</i>	6.04	
			<i>For Aluminum, Add</i>	12.08	
			<i>For Stainless Steel, Add</i>	50.34	
08 56 56 00-0037	SF		3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	69.76	19.03
			<i>For Painted Steel, Add</i>	2.35	
			<i>For Galvanized Steel, Add</i>	7.04	
			<i>For Aluminum, Add</i>	14.08	
			<i>For Stainless Steel, Add</i>	58.66	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0038 Perforated Metal Security Screen <small>(08 56 56)</small>		
08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen <small>(08 56 56 00-0038)</small>		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	26.27	4.89
<i>For Painted Steel, Add</i>	0.99	
<i>For Galvanized Steel, Add</i>	2.96	
<i>For Aluminum, Add</i>	5.93	
<i>For Stainless Steel, Add</i>	19.75	
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	27.05	4.89
<i>For Painted Steel, Add</i>	1.03	
<i>For Galvanized Steel, Add</i>	3.08	
<i>For Aluminum, Add</i>	6.16	
<i>For Stainless Steel, Add</i>	20.53	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	29.69	4.89
<i>For Painted Steel, Add</i>	1.16	
<i>For Galvanized Steel, Add</i>	3.48	
<i>For Aluminum, Add</i>	6.95	
<i>For Stainless Steel, Add</i>	23.17	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	34.68	4.89
<i>For Painted Steel, Add</i>	1.41	
<i>For Galvanized Steel, Add</i>	4.22	
<i>For Aluminum, Add</i>	8.45	
<i>For Stainless Steel, Add</i>	28.16	
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen <small>(08 56 56 00-0038)</small>		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	36.76	5.99
<i>For Painted Steel, Add</i>	1.40	
<i>For Galvanized Steel, Add</i>	4.21	
<i>For Aluminum, Add</i>	8.42	
<i>For Stainless Steel, Add</i>	28.06	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	38.13	5.99
<i>For Painted Steel, Add</i>	1.47	
<i>For Galvanized Steel, Add</i>	4.41	
<i>For Aluminum, Add</i>	8.83	
<i>For Stainless Steel, Add</i>	29.43	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	41.55	5.99
<i>For Painted Steel, Add</i>	1.64	
<i>For Galvanized Steel, Add</i>	4.93	
<i>For Aluminum, Add</i>	9.86	
<i>For Stainless Steel, Add</i>	32.85	
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	48.69	5.99
<i>For Painted Steel, Add</i>	2.00	
<i>For Galvanized Steel, Add</i>	6.00	
<i>For Aluminum, Add</i>	12.00	
<i>For Stainless Steel, Add</i>	39.99	
08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards <small>(08 56 56)</small>		
08 56 56 00-0050 SF Removal And Reinstallation Of Security Screens	13.68	

08 60 Roof Windows and Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)

08 62 23 Tubular Skylights (08 62)

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

08 62 23 00-0003 EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,377.47	225.74
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	1,033.46	

08 Openings**08 60 Roof Windows and Skylights**

08 62 Unit Skylights



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0004	EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,453.22	231.38
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,034.59	
08 62 23 00-0005	EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,526.81	237.02
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,035.72	
08 62 23 00-0006	EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,630.48	242.66
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,036.84	
08 62 23 00-0007	EA 6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,721.25	248.31
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,037.97	
08 62 23 00-0008	EA 7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,794.85	253.95
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,039.10	
08 62 23 00-0009	EA 8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,868.45	259.60
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,040.23	
08 62 23 00-0010	EA 9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,989.31	265.24
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,041.36	
08 62 23 00-0011	EA 10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,062.91	270.88
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,042.49	
08 62 23 00-0012	EA 11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,138.64	276.53
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	1,043.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0013	EA			12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,212.24	282.17
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	1,044.74	
08 62 23 00-0014	EA			13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,333.10	287.81
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	1,045.87	
08 62 23 00-0015	EA			14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,406.69	293.45
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	1,047.00	
08 62 23 00-0016	EA			15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,480.28	299.10
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	1,048.13	
08 62 23 00-0017	EA			16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,553.87	304.74
				<i>For Class 3 Hail Rated, Add</i>	4.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	20.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
				<i>For Single Blade Louver, Add</i>	1,049.26	
08 62 23 00-0018				31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA			2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,667.52	225.74
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	1,033.46	
08 62 23 00-0020	EA			3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,771.20	231.38
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	1,034.59	
08 62 23 00-0021	EA			4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,874.87	237.02
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	1,035.72	
08 62 23 00-0022	EA			5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,978.54	242.66
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	1,036.84	

08 Openings**08 60 Roof Windows and Skylights**

08 62 Unit Skylights



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0023	EA 6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,146.66	248.31
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,037.97	
08 62 23 00-0024	EA 7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,250.33	253.95
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,039.10	
08 62 23 00-0025	EA 8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,354.01	259.60
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,040.23	
08 62 23 00-0026	EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,522.14	265.24
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,041.36	
08 62 23 00-0027	EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,625.81	270.88
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,042.49	
08 62 23 00-0028	EA 11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,729.48	276.53
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,043.62	
08 62 23 00-0029	EA 12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,833.16	282.17
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,044.74	
08 62 23 00-0030	EA 13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,001.29	287.81
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,045.87	
08 62 23 00-0031	EA 14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,104.95	293.45
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,047.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0032	EA			15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,208.62	299.10
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	1,048.13	
08 62 23 00-0033	EA			16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,312.29	304.74
				<i>For Class 3 Hail Rated, Add</i>	5.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
				<i>For FM Approved, Add</i>	22.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
				<i>For Single Blade Louver, Add</i>	1,049.26	
08 62 23 00-0034				55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA			2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,224.55	253.95
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	1,039.10	
08 62 23 00-0036	EA			3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,369.05	259.60
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	1,040.23	
08 62 23 00-0037	EA			4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,515.69	265.24
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	1,041.36	
08 62 23 00-0038	EA			5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,660.19	270.88
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	1,042.49	
08 62 23 00-0039	EA			6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,890.62	276.53
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	1,043.62	
08 62 23 00-0040	EA			7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,035.12	282.17
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	1,044.74	
08 62 23 00-0041	EA			8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,179.61	287.81
				<i>For Class 3 Hail Rated, Add</i>	10.00	
				<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
				<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
				<i>For FM Approved, Add</i>	36.00	
				<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
				<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
				<i>For Single Blade Louver, Add</i>	1,045.87	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,412.19	293.45
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,047.00	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,556.67	299.10
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,048.13	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,701.17	304.74
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,049.26	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,845.67	310.39
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,050.39	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,076.11	316.03
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,051.52	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,220.60	321.67
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,052.65	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,367.24	327.32
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,053.77	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,511.74	332.96
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,054.90	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 63 13 00-0004	Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0005	EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	844.09	152.37
08 63 13 00-0006	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,000.95	163.66
08 63 13 00-0007	EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,311.04	180.58
08 63 13 00-0008	EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,464.71	191.87
08 63 13 00-0009	EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,047.12	163.66
08 63 13 00-0010	EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,280.83	180.58
08 63 13 00-0011	EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,384.91	191.87
08 63 13 00-0012	EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,556.03	203.16
08 63 13 00-0013	EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,786.31	220.09
08 63 13 00-0014	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,304.88	191.87
08 63 13 00-0015	EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,404.06	197.52
08 63 13 00-0016	EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,560.70	203.16
08 63 13 00-0017	EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,679.04	208.81
08 63 13 00-0018	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,845.48	225.74
08 63 13 00-0019	EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,048.51	237.02
08 63 13 00-0020	EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,522.39	203.16
08 63 13 00-0021	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,648.83	214.45
08 63 13 00-0022	EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,837.38	220.09
08 63 13 00-0023	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,942.95	231.38
08 63 13 00-0024	EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,209.82	242.66

08 63 13 00-0025	Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0026	EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,003.69	152.37
08 63 13 00-0027	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,157.35	163.66
08 63 13 00-0028	EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,435.53	180.58
08 63 13 00-0029	EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,592.39	191.87
08 63 13 00-0030	EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,162.03	163.66
08 63 13 00-0031	EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,370.20	180.58
08 63 13 00-0032	EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,480.67	191.87
08 63 13 00-0033	EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,664.55	203.16
08 63 13 00-0034	EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,850.15	220.09
08 63 13 00-0035	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,394.26	191.87
08 63 13 00-0036	EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,506.21	197.52
08 63 13 00-0037	EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,614.96	203.16
08 63 13 00-0038	EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,739.68	208.81
08 63 13 00-0039	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,877.40	225.74
08 63 13 00-0040	EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,083.62	237.02
08 63 13 00-0041	EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,627.73	203.16

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0042	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,763.74	214.45
08 63 13 00-0043	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,904.42	220.09
08 63 13 00-0044	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,016.36	231.38
08 63 13 00-0045	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,257.70	242.66
08 63 13 00-0046			High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights ^(08 63 13 00-0003)		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0047	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,016.45	152.37
08 63 13 00-0048	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,182.89	163.66
08 63 13 00-0049	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,470.64	180.58
08 63 13 00-0050	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,193.95	163.66
08 63 13 00-0051	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,414.89	180.58
08 63 13 00-0052	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,515.78	191.87
08 63 13 00-0053	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,702.86	203.16
08 63 13 00-0054	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,422.99	191.87
08 63 13 00-0055	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,531.74	197.52
08 63 13 00-0056	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,656.46	203.16
08 63 13 00-0057	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,781.18	208.81
08 63 13 00-0058	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,928.47	225.74
08 63 13 00-0059	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,666.03	203.16
08 63 13 00-0060	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,814.81	214.45
08 63 13 00-0061	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,955.49	220.09
08 63 13 00-0062	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,067.43	231.38
08 63 13 00-0063			FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights ^(08 63 13 00-0003)		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0064	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,038.80	152.37
08 63 13 00-0065	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,218.00	163.66
08 63 13 00-0066	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,502.56	180.58
08 63 13 00-0067	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,707.30	191.87
08 63 13 00-0068	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,225.87	163.66
08 63 13 00-0069	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,443.62	180.58
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,547.70	191.87
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,750.74	203.16
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,458.10	191.87
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,566.85	197.52
08 63 13 00-0074	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,701.14	203.16
08 63 13 00-0075	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,829.06	208.81
08 63 13 00-0076	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,979.55	225.74
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,713.91	203.16
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,862.69	214.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0079 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,006.56	220.09
08 63 13 00-0080 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,124.89	231.38
08 63 13 00-0081 Curb Top Inserts <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	303.09	73.37
08 63 13 00-0084 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	393.60	84.65
08 63 13 00-0085 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	622.20	112.87
08 63 13 00-0086 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	574.66	101.58
08 63 13 00-0087 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	682.36	112.87
08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	391.17	73.37
08 63 13 00-0090 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	563.33	84.65
08 63 13 00-0091 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	929.44	112.87
08 63 13 00-0092 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	901.23	101.58
08 63 13 00-0093 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	1,107.76	112.87
08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	477.11	73.37
08 63 13 00-0096 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	724.47	84.65
08 63 13 00-0097 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,307.57	112.87
08 63 13 00-0098 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,206.31	101.58
08 63 13 00-0099 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,503.09	112.87
08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	786.63	152.37
08 63 13 00-0103 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	957.75	163.66
08 63 13 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	1,215.51	191.87
08 63 13 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,487.28	203.16
08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,035.61	152.37
08 63 13 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,213.11	163.66
08 63 13 00-0109 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,448.52	191.87
08 63 13 00-0110 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,701.14	203.16
08 63 13 00-0111 Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0112 Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	904.73	152.37
08 63 13 00-0114 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,215.28	180.58
08 63 13 00-0115 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,413.64	191.87
08 63 13 00-0116 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,159.53	180.58
08 63 13 00-0117 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,260.42	191.87

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0118 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,485.80	203.16
08 63 13 00-0119 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,719.28	220.09
08 63 13 00-0120 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,317.88	197.52
08 63 13 00-0121 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,436.21	203.16
08 63 13 00-0122 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,564.12	208.81
08 63 13 00-0123 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,705.03	225.74
08 63 13 00-0124 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,978.28	237.02
08 63 13 00-0125 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,613.72	214.45
08 63 13 00-0126 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,789.50	220.09
08 63 13 00-0127 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,911.03	231.38
08 63 13 00-0128 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,174.71	242.66
08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,013.26	152.37
08 63 13 00-0131 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,173.31	163.66
08 63 13 00-0132 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,451.49	180.58
08 63 13 00-0133 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,184.38	163.66
08 63 13 00-0134 EA 39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,301.23	174.95
08 63 13 00-0135 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,395.74	180.58
08 63 13 00-0136 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,496.63	191.87
08 63 13 00-0137 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,686.90	203.16
08 63 13 00-0138 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,410.22	197.52
08 63 13 00-0139 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,518.97	197.52
08 63 13 00-0140 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,637.30	203.16
08 63 13 00-0141 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,758.84	208.81
08 63 13 00-0142 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,902.94	225.74
08 63 13 00-0143 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,643.69	203.16
08 63 13 00-0144 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,792.47	214.45
08 63 13 00-0145 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,929.95	220.09
08 63 13 00-0146 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,038.71	231.38
08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0148 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,163.74	163.66
08 63 13 00-0149 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,492.99	180.58
08 63 13 00-0150 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,430.85	180.58
08 63 13 00-0151 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,538.13	191.87
08 63 13 00-0152 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,737.97	203.16
08 63 13 00-0153 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,557.28	197.52
08 63 13 00-0154 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,685.18	203.16



Openings	08	08
Roof Windows and Skylights	08 60	
Metal-Framed Skylights	08 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0155 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,816.29	208.81
08 63 13 00-0156 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,954.01	225.74
08 63 13 00-0157 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,849.93	214.45
08 63 13 00-0158 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,993.79	220.09
08 63 13 00-0159 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,108.93	231.38
08 63 13 00-0160 Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0001)		
08 63 13 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0163 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0164 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,405.47	225.74
08 63 13 00-0165 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,092.41	214.45
08 63 13 00-0166 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,619.33	225.74
08 63 13 00-0167 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0168 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,679.07	225.74
08 63 13 00-0169 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,378.79	214.45
08 63 13 00-0170 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,969.55	225.74
08 63 13 00-0171 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)		
08 63 13 00-0172 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,046.15	225.74
08 63 13 00-0173 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,739.49	214.45
08 63 13 00-0174 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,330.24	225.74
08 63 13 00-0175 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,424.62	225.74
08 63 13 00-0178 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,111.57	214.45
08 63 13 00-0179 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,648.06	225.74
08 63 13 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,704.61	225.74
08 63 13 00-0182 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,397.94	214.45
08 63 13 00-0183 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,001.47	225.74
08 63 13 00-0184 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,065.31	225.74

08 Openings

08 60 Roof Windows and Skylights

08 63 Metal-Framed Skylights



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	.....	5,758.64	214.45
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	.....	6,362.16	225.74
08 66 Wood-Framed Skylights <small>(08 60)</small>					
08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) <small>(08 66)</small>					
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	712.01	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		98.25	
		<i>For Aluminum Shingle Flashing, Add</i>		78.60	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	728.05	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		102.26	
		<i>For Aluminum Shingle Flashing, Add</i>		81.81	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	689.95	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		92.73	
		<i>For Aluminum Shingle Flashing, Add</i>		74.19	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	740.08	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		105.27	
		<i>For Aluminum Shingle Flashing, Add</i>		84.21	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	782.19	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		115.79	
		<i>For Aluminum Shingle Flashing, Add</i>		92.63	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	850.36	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		132.84	
		<i>For Aluminum Shingle Flashing, Add</i>		106.27	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	936.57	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		154.39	
		<i>For Aluminum Shingle Flashing, Add</i>		123.51	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	689.95	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		92.73	
		<i>For Aluminum Shingle Flashing, Add</i>		74.19	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	792.21	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		118.30	
		<i>For Aluminum Shingle Flashing, Add</i>		94.64	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	850.36	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		132.84	
		<i>For Aluminum Shingle Flashing, Add</i>		106.27	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	916.52	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		149.38	
		<i>For Aluminum Shingle Flashing, Add</i>		119.50	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	1,004.74	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		171.43	
		<i>For Aluminum Shingle Flashing, Add</i>		137.14	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	712.01	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		98.25	
		<i>For Aluminum Shingle Flashing, Add</i>		78.60	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	740.08	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		105.27	
		<i>For Aluminum Shingle Flashing, Add</i>		84.21	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	792.21	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		118.30	
		<i>For Aluminum Shingle Flashing, Add</i>		94.64	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	976.67	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		164.41	
		<i>For Aluminum Shingle Flashing, Add</i>		131.53	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	728.05	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		102.26	
		<i>For Aluminum Shingle Flashing, Add</i>		81.81	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	782.19	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		115.79	
		<i>For Aluminum Shingle Flashing, Add</i>		92.63	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	850.36	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		132.84	
		<i>For Aluminum Shingle Flashing, Add</i>		106.27	
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	976.67	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		164.41	
		<i>For Aluminum Shingle Flashing, Add</i>		131.53	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	850.36	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		132.84	
		<i>For Aluminum Shingle Flashing, Add</i>		106.27	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	916.52	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		149.38	
		<i>For Aluminum Shingle Flashing, Add</i>		119.50	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	936.57	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		154.39	
		<i>For Aluminum Shingle Flashing, Add</i>		123.51	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	.....	1,004.74	159.51
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		171.43	
		<i>For Aluminum Shingle Flashing, Add</i>		137.14	

08 70 Hardware (08)



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 Door Hardware (08 70)

08 71 11 Door Hardware (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	Hinges <small>(08 71 11)</small> Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.		
08 71 11 00-0002	Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0001)</small> Note: US26D (BHMA 626) satin chrome finish.		
08 71 11 00-0003	Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0004	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	94.03 6.55 6.00	8.93
08 71 11 00-0005	PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	103.12 7.29 6.00	12.77
08 71 11 00-0006	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	116.48 6.10 6.00	14.04
08 71 11 00-0007	Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0008	PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	108.20 8.41 6.00	8.93
08 71 11 00-0009	PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	123.85 8.41 6.00	12.77
08 71 11 00-0010	PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	125.98 7.43 6.00	14.04
08 71 11 00-0011	PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	147.15 8.69 6.00	16.59
08 71 11 00-0012	PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	148.09 8.82 6.00	16.59
08 71 11 00-0013	PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	158.90 10.34 6.00	21.31
08 71 11 00-0014	Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	122.66	8.93
08 71 11 00-0016	PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	138.31	12.77
08 71 11 00-0017	PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	141.71	14.04
08 71 11 00-0018	PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	164.51	16.59
08 71 11 00-0019	Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0002)</small> Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	157.54 11.85 6.00	14.04
08 71 11 00-0021	PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	178.98 13.15 6.00	16.59
08 71 11 00-0022	PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	198.86 15.93 6.00	16.59
08 71 11 00-0023	Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0002)</small> Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR 4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	161.47 12.40 6.00	14.04
08 71 11 00-0025	PR 5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	190.17 14.71 6.00	16.59

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0026			Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge <small>(08 71 11 00-0002)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	156.71	14.04
			For Clear Coated Bright Brass, Add	11.73	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	181.15	21.31
			For Clear Coated Bright Brass, Add	13.45	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0029	PR		6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	215.30	21.31
			For Clear Coated Bright Brass, Add	18.23	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0030			Mortised, Wrought Steel Hinges <small>(08 71 11 00-0001)</small>		
			Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031			Full Mortise, Plain Bearing, Wrought Steel Hinges <small>(08 71 11 00-0030)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	65.79	8.93
			For Primed For Paint Finish, Deduct	-3.53	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.20	
			For Satin Brass Plated Clear Coated Finish, Deduct	-2.12	
			For Stainless Steel, Add	9.70	
			For Heavy Duty, Add	2.64	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	83.27	12.77
			For Primed For Paint Finish, Deduct	-3.89	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.43	
			For Satin Brass Plated Clear Coated Finish, Deduct	-2.34	
			For Stainless Steel, Add	10.70	
			For Heavy Duty, Add	2.92	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	96.63	14.04
			For Primed For Paint Finish, Deduct	-4.74	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.96	
			For Satin Brass Plated Clear Coated Finish, Deduct	-2.85	
			For Stainless Steel, Add	13.04	
			For Heavy Duty, Add	3.56	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 11 00-0030)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	112.43	8.93
			For Primed For Paint Finish, Deduct	-12.85	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.03	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.71	
			For Stainless Steel, Add	35.35	
			For Heavy Duty, Add	9.64	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	136.59	12.77
			For Primed For Paint Finish, Deduct	-14.56	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	9.10	
			For Satin Brass Plated Clear Coated Finish, Deduct	-8.73	
			For Stainless Steel, Add	40.03	
			For Heavy Duty, Add	10.92	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	114.39	14.04
			For Primed For Paint Finish, Deduct	-8.29	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.18	
			For Satin Brass Plated Clear Coated Finish, Deduct	-4.98	
			For Stainless Steel, Add	22.81	
			For Heavy Duty, Add	6.22	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	191.47	16.59
			For Primed For Paint Finish, Deduct	-21.28	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	13.30	
			For Satin Brass Plated Clear Coated Finish, Deduct	-12.77	
			For Stainless Steel, Add	58.52	
			For Heavy Duty, Add	15.96	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	206.49	16.59
			For Primed For Paint Finish, Deduct	-24.28	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.18	
			For Satin Brass Plated Clear Coated Finish, Deduct	-14.57	
			For Stainless Steel, Add	66.78	
			For Heavy Duty, Add	18.21	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0041 PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	252.27	16.59
For Primed For Paint Finish, Deduct	-33.44	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	20.90	
For Satin Brass Plated Clear Coated Finish, Deduct	-20.06	
For Stainless Steel, Add	91.96	
For Heavy Duty, Add	25.08	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0043 PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	139.36	8.93
For Primed For Paint Finish, Deduct	-18.24	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	11.40	
For Satin Brass Plated Clear Coated Finish, Deduct	-10.94	
For Stainless Steel, Add	50.16	
For Heavy Duty, Add	13.68	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0044 PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	167.17	12.77
For Primed For Paint Finish, Deduct	-20.67	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	12.92	
For Satin Brass Plated Clear Coated Finish, Deduct	-12.40	
For Stainless Steel, Add	56.85	
For Heavy Duty, Add	15.50	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0045 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	188.44	14.04
For Primed For Paint Finish, Deduct	-23.10	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	14.44	
For Satin Brass Plated Clear Coated Finish, Deduct	-13.86	
For Stainless Steel, Add	63.54	
For Heavy Duty, Add	17.33	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0046 PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	212.75	16.59
For Primed For Paint Finish, Deduct	-25.54	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.96	
For Satin Brass Plated Clear Coated Finish, Deduct	-15.32	
For Stainless Steel, Add	70.22	
For Heavy Duty, Add	19.15	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048 PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	194.53	14.04
For Primed For Paint Finish, Deduct	-26.14	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	16.34	
For Satin Brass Plated Clear Coated Finish, Deduct	-15.69	
For Stainless Steel, Add	71.90	
For Heavy Duty, Add	19.61	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0049 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	217.57	14.04
For Primed For Paint Finish, Deduct	-28.93	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	18.08	
For Satin Brass Plated Clear Coated Finish, Deduct	-17.36	
For Stainless Steel, Add	79.56	
For Heavy Duty, Add	21.70	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0050 PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	252.27	16.59
For Primed For Paint Finish, Deduct	-33.44	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	20.90	
For Satin Brass Plated Clear Coated Finish, Deduct	-20.06	
For Stainless Steel, Add	91.96	
For Heavy Duty, Add	25.08	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030)		
Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052 PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	158.56	14.04
For Primed For Paint Finish, Deduct	-17.13	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.71	
For Satin Brass Plated Clear Coated Finish, Deduct	-10.28	
For Stainless Steel, Add	47.10	
For Heavy Duty, Add	12.85	
For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0053 Blank Butt Hinges (08 71 11 00-0030)		
08 71 11 00-0054 PR 3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	33.71	5.74
For Primed For Paint Finish, Deduct	-2.18	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	1.36	
For Satin Brass Plated Clear Coated Finish, Deduct	-1.31	
For Stainless Steel, Add	6.00	
For Heavy Duty, Add	1.64	
For Pair Of Non-Removable Pins (NRP), Add	6.00	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0055			Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	129.96	8.93
			<i>For Primed For Paint Finish, Deduct</i>	-16.36	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.23	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-9.82	
			<i>For Stainless Steel, Add</i>	44.99	
08 71 11 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	170.81	12.77
			<i>For Primed For Paint Finish, Deduct</i>	-21.40	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	13.38	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-12.84	
			<i>For Stainless Steel, Add</i>	58.85	
08 71 11 00-0058	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	230.31	14.04
			<i>For Primed For Paint Finish, Deduct</i>	-31.48	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	19.67	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-18.89	
			<i>For Stainless Steel, Add</i>	86.56	
08 71 11 00-0059			Offset And Pivot Hinges (08 71 11 00-0001) Note: Satin chrome plated, US26D.		
08 71 11 00-0060			Offset Swing Clear Hinges (08 71 11 00-0059) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA		4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges.....	192.63	3.98
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	33.57	
			<i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	54.07	
08 71 11 00-0062			Offset Pivot Hinges (08 71 11 00-0059)		
08 71 11 00-0063			3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0064			3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0065			Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0066			200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0067	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	148.78	12.77
08 71 11 00-0068	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	199.21	12.77
08 71 11 00-0069	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.23	12.77
08 71 11 00-0070	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.23	12.77
08 71 11 00-0071	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.23	12.77
08 71 11 00-0072	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	227.23	12.77
08 71 11 00-0073	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	227.23	12.77
08 71 11 00-0074	EA		Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	163.35	12.77
08 71 11 00-0075	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	207.07	12.77
08 71 11 00-0076	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.19	12.77
08 71 11 00-0077	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.19	12.77
08 71 11 00-0078	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.19	12.77
08 71 11 00-0079	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	236.19	12.77
08 71 11 00-0080	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	236.19	12.77
08 71 11 00-0081	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	148.78	12.77
08 71 11 00-0082	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	199.21	12.77
08 71 11 00-0083	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.23	12.77
08 71 11 00-0084	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.23	12.77
08 71 11 00-0085	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.23	12.77
08 71 11 00-0086	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	227.23	12.77
08 71 11 00-0087	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	227.23	12.77
08 71 11 00-0088			500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0089	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	155.16	15.95
08 71 11 00-0090	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	205.59	15.95
08 71 11 00-0091	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	233.61	15.95
08 71 11 00-0092	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	233.61	15.95
08 71 11 00-0093	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	233.61	15.95
08 71 11 00-0094	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	233.61	15.95
08 71 11 00-0095	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	233.61	15.95
08 71 11 00-0096			600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0097	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	155.16	15.95
08 71 11 00-0098	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	205.59	15.95
08 71 11 00-0099	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	233.61	15.95
08 71 11 00-0100	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	233.61	15.95
08 71 11 00-0101	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	233.61	15.95
08 71 11 00-0102	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	233.61	15.95
08 71 11 00-0103	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	233.61	15.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0104 700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0065)</small>		
08 71 11 00-0105 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	155.16	15.95
08 71 11 00-0106 EA Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	205.59	15.95
08 71 11 00-0107 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	233.61	15.95
08 71 11 00-0108 EA Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	233.61	15.95
08 71 11 00-0109 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	233.61	15.95
08 71 11 00-0110 EA Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	233.61	15.95
08 71 11 00-0111 EA Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	233.61	15.95
08 71 11 00-0112 Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0064)</small>		
08 71 11 00-0113 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0114 EA Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	184.64	12.77
08 71 11 00-0115 EA Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	227.23	12.77
08 71 11 00-0116 EA Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	257.48	12.77
08 71 11 00-0117 EA Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	257.48	12.77
08 71 11 00-0118 EA Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	257.48	12.77
08 71 11 00-0119 EA Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	257.48	12.77
08 71 11 00-0120 EA Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	257.48	12.77
08 71 11 00-0121 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0122 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	205.59	15.95
08 71 11 00-0123 EA Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	219.04	15.95
08 71 11 00-0124 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	242.57	15.95
08 71 11 00-0125 EA Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	242.57	15.95
08 71 11 00-0126 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	242.57	15.95
08 71 11 00-0127 EA Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	242.57	15.95
08 71 11 00-0128 EA Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	242.57	15.95
08 71 11 00-0129 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0130 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	205.59	15.95
08 71 11 00-0131 EA Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	219.04	15.95
08 71 11 00-0132 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	242.57	15.95
08 71 11 00-0133 EA Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	242.57	15.95
08 71 11 00-0134 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	242.57	15.95
08 71 11 00-0135 EA Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	242.57	15.95
08 71 11 00-0136 EA Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	242.57	15.95
08 71 11 00-0137 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0112)</small>		
08 71 11 00-0138 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	205.59	15.95
08 71 11 00-0139 EA Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	219.04	15.95
08 71 11 00-0140 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	242.57	15.95
08 71 11 00-0141 EA Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	242.57	15.95
08 71 11 00-0142 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	242.57	15.95
08 71 11 00-0143 EA Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	242.57	15.95
08 71 11 00-0144 EA Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	242.57	15.95
08 71 11 00-0145 Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0064)</small>		
08 71 11 00-0146 200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0145)</small>		
08 71 11 00-0147 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	163.35	12.77
08 71 11 00-0148 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	207.07	12.77
08 71 11 00-0149 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	236.19	12.77
08 71 11 00-0150 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	236.19	12.77
08 71 11 00-0151 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	236.19	12.77
08 71 11 00-0152 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	304.89	12.77
08 71 11 00-0153 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	236.19	12.77
08 71 11 00-0154 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	163.35	12.77
08 71 11 00-0155 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	207.07	12.77
08 71 11 00-0156 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	236.19	12.77
08 71 11 00-0157 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	236.19	12.77
08 71 11 00-0158 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	236.19	12.77
08 71 11 00-0159 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	236.19	12.77
08 71 11 00-0160 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	236.19	12.77
08 71 11 00-0161 EA Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	142.06	12.77
08 71 11 00-0162 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	192.50	12.77

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0163 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	221.62	12.77
08 71 11 00-0164 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	221.62	12.77
08 71 11 00-0165 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	221.62	12.77
08 71 11 00-0166 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	221.62	12.77
08 71 11 00-0167 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	221.62	12.77
08 71 11 00-0168 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0169 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	248.18	15.95
08 71 11 00-0170 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	263.86	15.95
08 71 11 00-0171 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	263.86	15.95
08 71 11 00-0172 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	263.86	15.95
08 71 11 00-0173 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	263.86	15.95
08 71 11 00-0174 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	263.86	15.95
08 71 11 00-0175 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	268.34	15.95
08 71 11 00-0176 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0177 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	213.45	15.95
08 71 11 00-0178 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	233.61	15.95
08 71 11 00-0179 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	248.18	15.95
08 71 11 00-0180 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	248.18	15.95
08 71 11 00-0181 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	248.18	15.95
08 71 11 00-0182 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	248.18	15.95
08 71 11 00-0183 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	248.18	15.95
08 71 11 00-0184 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0185 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	486.86	15.95
08 71 11 00-0186 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	522.72	15.95
08 71 11 00-0187 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	579.88	15.95
08 71 11 00-0188 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	579.88	15.95
08 71 11 00-0189 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	579.88	15.95
08 71 11 00-0190 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	579.88	15.95
08 71 11 00-0191 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	579.88	15.95
08 71 11 00-0192 Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0193 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)		
08 71 11 00-0194 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)		
08 71 11 00-0195 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	290.78	15.95
08 71 11 00-0196 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	343.42	15.95
08 71 11 00-0197 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	386.01	15.95
08 71 11 00-0198 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	386.01	15.95
08 71 11 00-0199 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	386.01	15.95
08 71 11 00-0200 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)		
08 71 11 00-0201 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	290.78	15.95
08 71 11 00-0202 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	343.42	15.95
08 71 11 00-0203 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	386.01	15.95
08 71 11 00-0204 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	386.01	15.95
08 71 11 00-0205 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	386.01	15.95
08 71 11 00-0206 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)		
08 71 11 00-0207 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	290.78	15.95
08 71 11 00-0208 EA Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	343.42	15.95
08 71 11 00-0209 EA Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	386.01	15.95
08 71 11 00-0210 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	386.01	15.95



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0211	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	386.01	15.95
08 71 11 00-0212			1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0213	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	306.11	19.14
08 71 11 00-0214	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	349.81	19.14
08 71 11 00-0215	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	369.99	19.14
08 71 11 00-0216	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	369.99	19.14
08 71 11 00-0217	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	369.99	19.14
08 71 11 00-0218			1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0193)</small>		
08 71 11 00-0219	EA		Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	306.11	19.14
08 71 11 00-0220	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	349.81	19.14
08 71 11 00-0221	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	369.99	19.14
08 71 11 00-0222	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	369.99	19.14
08 71 11 00-0223	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	369.99	19.14
08 71 11 00-0224			Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0225			500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0226	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	299.72	15.95
08 71 11 00-0227	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	349.03	15.95
08 71 11 00-0228	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	363.60	15.95
08 71 11 00-0229	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	363.60	15.95
08 71 11 00-0230	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	363.60	15.95
08 71 11 00-0231			600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0232	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	299.72	15.95
08 71 11 00-0233	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	349.03	15.95
08 71 11 00-0234	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	363.60	15.95
08 71 11 00-0235	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	363.60	15.95
08 71 11 00-0236	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	363.60	15.95
08 71 11 00-0237			700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0238	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	299.72	15.95
08 71 11 00-0239	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	349.03	15.95
08 71 11 00-0240	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	363.60	15.95
08 71 11 00-0241	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	363.60	15.95
08 71 11 00-0242	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	363.60	15.95
08 71 11 00-0243			1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0244	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	335.26	19.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0245	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	385.67	19.14
08 71 11 00-0246	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	399.12	19.14
08 71 11 00-0247	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	399.12	19.14
08 71 11 00-0248	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	399.12	19.14
08 71 11 00-0249			1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0224)</small>		
08 71 11 00-0250	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	335.26	19.14
08 71 11 00-0251	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	385.67	19.14
08 71 11 00-0252	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	399.12	19.14
08 71 11 00-0253	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	399.12	19.14
08 71 11 00-0254	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	399.12	19.14
08 71 11 00-0255			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0256			500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0257	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	334.48	15.95
08 71 11 00-0258	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	414.03	15.95
08 71 11 00-0259	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	444.28	15.95
08 71 11 00-0260	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	444.28	15.95
08 71 11 00-0261	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	444.28	15.95
08 71 11 00-0262			600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0263	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	328.87	15.95
08 71 11 00-0264	EA		Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	349.03	15.95
08 71 11 00-0265	EA		Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	400.59	15.95
08 71 11 00-0266	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	400.59	15.95
08 71 11 00-0267	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	400.59	15.95
08 71 11 00-0268			1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0269	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	377.83	19.14
08 71 11 00-0270	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	420.42	19.14
08 71 11 00-0271	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	436.10	19.14
08 71 11 00-0272	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	436.10	19.14
08 71 11 00-0273	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	436.10	19.14
08 71 11 00-0274			1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0255)</small>		
08 71 11 00-0275	EA		Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	535.84	19.14
08 71 11 00-0276	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	571.70	19.14
08 71 11 00-0277	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	586.27	19.14
08 71 11 00-0278	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	586.27	19.14
08 71 11 00-0279	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	586.27	19.14



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0280 1-1/2" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0281 Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)		
08 71 11 00-0282 Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0283 400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)		
08 71 11 00-0284 EA Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	343.42	15.95
08 71 11 00-0285 EA Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	371.44	15.95
08 71 11 00-0286 EA Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	392.73	15.95
08 71 11 00-0287 EA Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	392.73	15.95
08 71 11 00-0288 EA Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	392.73	15.95
08 71 11 00-0289 500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)		
08 71 11 00-0290 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	343.42	15.95
08 71 11 00-0291 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	371.44	15.95
08 71 11 00-0292 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	392.73	15.95
08 71 11 00-0293 EA Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	392.73	15.95
08 71 11 00-0294 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	392.73	15.95
08 71 11 00-0295 Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0296 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)		
08 71 11 00-0297 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	356.87	15.95
08 71 11 00-0298 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	400.59	15.95
08 71 11 00-0299 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	421.87	15.95
08 71 11 00-0300 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	421.87	15.95
08 71 11 00-0301 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	421.87	15.95
08 71 11 00-0302 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)		
08 71 11 00-0303 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	356.87	15.95
08 71 11 00-0304 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	400.59	15.95
08 71 11 00-0305 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	421.87	15.95
08 71 11 00-0306 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	421.87	15.95
08 71 11 00-0307 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	421.87	15.95
08 71 11 00-0308 Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0309 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0308)		
08 71 11 00-0310 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	349.03	15.95
08 71 11 00-0311 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	400.59	15.95
08 71 11 00-0312 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	421.87	15.95
08 71 11 00-0313 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	421.87	15.95
08 71 11 00-0314 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	421.87	15.95

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0315 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0308)</small>		
08 71 11 00-0316 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	565.31	15.95
08 71 11 00-0317 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	623.58	15.95
08 71 11 00-0318 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	638.16	15.95
08 71 11 00-0319 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	638.16	15.95
08 71 11 00-0320 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	638.16	15.95
08 71 11 00-0321 Center Hung Pivot Hinges <small>(08 71 11 00-0059)</small>		
08 71 11 00-0322 Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0321)</small>		
08 71 11 00-0323 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0324 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	177.92	12.77
08 71 11 00-0325 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.50	12.77
08 71 11 00-0326 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.50	12.77
08 71 11 00-0327 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.50	12.77
08 71 11 00-0328 EA Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.50	12.77
08 71 11 00-0329 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.50	12.77
08 71 11 00-0330 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	192.50	12.77
08 71 11 00-0331 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0332 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	184.30	15.95
08 71 11 00-0333 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	198.88	15.95
08 71 11 00-0334 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	198.88	15.95
08 71 11 00-0335 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	198.88	15.95
08 71 11 00-0336 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	198.88	15.95
08 71 11 00-0337 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	198.88	15.95
08 71 11 00-0338 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	198.88	15.95
08 71 11 00-0339 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0340 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	184.30	15.95
08 71 11 00-0341 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	198.88	15.95
08 71 11 00-0342 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	198.88	15.95
08 71 11 00-0343 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	198.88	15.95
08 71 11 00-0344 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	198.88	15.95
08 71 11 00-0345 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	198.88	15.95
08 71 11 00-0346 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	198.88	15.95
08 71 11 00-0347 1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0322)</small>		
08 71 11 00-0348 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	291.54	19.14
08 71 11 00-0349 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	340.87	19.14
08 71 11 00-0350 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.40	19.14
08 71 11 00-0351 EA Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.40	19.14
08 71 11 00-0352 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.40	19.14
08 71 11 00-0353 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.40	19.14
08 71 11 00-0354 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	392.40	19.14
08 71 11 00-0355 Bottom Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0321)</small>		
08 71 11 00-0356 300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0355)</small>		
08 71 11 00-0357 EA Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	135.33	12.77
08 71 11 00-0358 EA Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	156.64	12.77
08 71 11 00-0359 EA Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	177.92	12.77
08 71 11 00-0360 EA Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	177.92	12.77
08 71 11 00-0361 EA Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	177.92	12.77
08 71 11 00-0362 EA Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	177.92	12.77
08 71 11 00-0363 EA Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	177.92	12.77
08 71 11 00-0364 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0355)</small>		
08 71 11 00-0365 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	198.88	15.95
08 71 11 00-0366 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.59	15.95



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0367	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.59	15.95
08 71 11 00-0368	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.59	15.95
08 71 11 00-0369	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.59	15.95
08 71 11 00-0370	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.59	15.95
08 71 11 00-0371	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	205.59	15.95
08 71 11 00-0372	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	198.88	15.95
08 71 11 00-0373	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.59	15.95
08 71 11 00-0374	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.59	15.95
08 71 11 00-0375	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.59	15.95
08 71 11 00-0376	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.59	15.95
08 71 11 00-0377	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.59	15.95
08 71 11 00-0378	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	205.59	15.95
08 71 11 00-0379			600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0380	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	400.59	15.95
08 71 11 00-0381	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	421.87	15.95
08 71 11 00-0382	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.28	15.95
08 71 11 00-0383	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.28	15.95
08 71 11 00-0384	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.28	15.95
08 71 11 00-0385	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.28	15.95
08 71 11 00-0386	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	444.28	15.95
08 71 11 00-0387			1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)		
08 71 11 00-0388	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	737.55	19.14
08 71 11 00-0389	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	758.84	19.14
08 71 11 00-0390	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	787.98	19.14
08 71 11 00-0391	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	787.98	19.14
08 71 11 00-0392	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	787.98	19.14
08 71 11 00-0393	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	787.98	19.14
08 71 11 00-0394	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	787.98	19.14
08 71 11 00-0395			Continuous Barrel-Type Hinge (08 71 11 00-0001)		
08 71 11 00-0396	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	32.23	5.11
			<i>For Stainless Steel, Add</i>	6.50	
			<i>For Brass Or Nickel, Add</i>	7.09	
			<i>For Aluminum, Add</i>	2.32	
			<i>For Medium Gauge, Deduct</i>	-2.36	
08 71 11 00-0397	LF		2" Wide, Steel, Continuous Barrel-Type Hinge.....	33.02	5.11
			<i>For Stainless Steel, Add</i>	6.94	
			<i>For Brass Or Nickel, Add</i>	7.57	
			<i>For Aluminum, Add</i>	2.47	
			<i>For Medium Gauge, Deduct</i>	-2.52	
08 71 11 00-0398	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	34.59	5.11
			<i>For Stainless Steel, Add</i>	7.80	
			<i>For Brass Or Nickel, Add</i>	8.51	
			<i>For Aluminum, Add</i>	2.78	
			<i>For Medium Gauge, Deduct</i>	-2.84	
08 71 11 00-0399	LF		3" Wide, Steel, Continuous Barrel-Type Hinge.....	36.38	5.11
			<i>For Stainless Steel, Add</i>	8.78	
			<i>For Brass Or Nickel, Add</i>	9.58	
			<i>For Aluminum, Add</i>	3.13	
			<i>For Medium Gauge, Deduct</i>	-3.19	
08 71 11 00-0400			Continuous Geared Hinges (08 71 11 00-0001)		
08 71 11 00-0401	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	63.20	5.11
			<i>For Bronze Finish, Add</i>	16.05	
			<i>For Heavy Duty, Add</i>	11.43	
08 71 11 00-0402	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	68.20	5.11
			<i>For Bronze Finish, Add</i>	17.92	
			<i>For Heavy Duty, Add</i>	12.77	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	43.13	5.11
			<i>For Bronze Finish, Add</i>	8.52	
08 71 11 00-0404	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	50.38	5.11
			<i>For Bronze Finish, Add</i>	11.24	
08 71 11 00-0405			Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)		
08 71 11 00-0406	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge	183.95	8.93
			<i>For Satin Brass, Add</i>	33.43	
08 71 11 00-0407	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge	196.77	11.48
			<i>For Satin Brass, Add</i>	33.44	
08 71 11 00-0408	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge	217.13	14.04
			<i>For Satin Brass, Add</i>	35.27	
08 71 11 00-0409	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge	286.26	16.59
			<i>For Satin Brass, Add</i>	48.79	
08 71 11 00-0410	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge	319.61	19.14
			<i>For Satin Brass, Add</i>	53.74	
08 71 11 00-0411	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge	385.83	21.70
			<i>For Satin Brass, Add</i>	66.57	
08 71 11 00-0412	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge	529.18	60.62
			<i>For Satin Brass, Add</i>	97.91	
08 71 11 00-0413			Security Hinges (08 71 11 00-0001)		
08 71 11 00-0414	EA		4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	44.53	8.93
08 71 11 00-0415			Concealed Circuit Electric Hinge Option (08 71 11 00-0001)		
			Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0416	EA		4 Wire Concealed Circuit Electric Hinge Option.....	306.58	
08 71 11 00-0417	EA		6 Wire Concealed Circuit Electric Hinge Option.....	361.97	
08 71 11 00-0418	EA		8 Wire Concealed Circuit Electric Hinge Option.....	417.36	
08 71 11 00-0419			Hinge Filler Plates For Door Frames (08 71 11 00-0001)		
08 71 11 00-0420	PR		Hinge Filler Plates For Door Frames.....	22.80	6.38
08 71 11 00-0421			Door Trim (08 71 11)		
08 71 11 00-0422			Floor Stops, Wall Stops And Bumpers (08 71 11 00-0421)		
08 71 11 00-0423			Floor Stops (08 71 11 00-0422)		
08 71 11 00-0424			Aluminum Floor Stops (08 71 11 00-0423)		
08 71 11 00-0425	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	35.68	15.95
08 71 11 00-0426	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	39.43	15.95
08 71 11 00-0427	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	40.86	15.95
08 71 11 00-0428	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	62.65	15.95
08 71 11 00-0429	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	65.25	15.95
08 71 11 00-0430			Brass Floor Stops (08 71 11 00-0423)		
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	39.95	15.95
08 71 11 00-0432	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	41.39	15.95
08 71 11 00-0433	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	41.39	15.95
08 71 11 00-0434	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	41.94	15.95
08 71 11 00-0435	EA		1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	42.68	15.95
08 71 11 00-0436	EA		1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	42.68	15.95
08 71 11 00-0437	EA		1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	42.68	15.95
08 71 11 00-0438	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	40.86	15.95
08 71 11 00-0439	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	43.03	15.95
08 71 11 00-0440	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	43.03	15.95
08 71 11 00-0441	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	43.88	15.95
08 71 11 00-0442	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	44.61	15.95
08 71 11 00-0443	EA		1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	44.61	15.95
08 71 11 00-0444	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	48.03	15.95
08 71 11 00-0445	EA		1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	43.17	15.95
08 71 11 00-0446	EA		1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	43.17	15.95
08 71 11 00-0447	EA		1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	45.54	15.95
08 71 11 00-0448	EA		1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	45.54	15.95
08 71 11 00-0449	EA		1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	45.54	15.95
08 71 11 00-0450	EA		1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	45.54	15.95
08 71 11 00-0451	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	44.81	15.95
08 71 11 00-0452	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	44.81	15.95
08 71 11 00-0453	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	47.13	15.95
08 71 11 00-0454	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	47.13	15.95
08 71 11 00-0455	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	47.13	15.95
08 71 11 00-0456	EA		1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	47.13	15.95
08 71 11 00-0457	EA		2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	64.75	15.95
08 71 11 00-0458	EA		2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	65.78	15.95



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0459 EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441).....	68.27	15.95
08 71 11 00-0460 EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	70.29	15.95
08 71 11 00-0461 EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	70.29	15.95
08 71 11 00-0462 EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	78.52	15.95
08 71 11 00-0463 EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441).....	78.52	15.95
08 71 11 00-0464 EA 3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	75.47	15.95
08 71 11 00-0465 EA 3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	76.93	15.95
08 71 11 00-0466 EA 3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448).....	76.93	15.95
08 71 11 00-0467 EA 3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448).....	76.93	15.95
08 71 11 00-0468 EA 3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	76.93	15.95
08 71 11 00-0469 EA 3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448).....	88.21	15.95
08 71 11 00-0470 EA 3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	88.21	15.95
08 71 11 00-0471 EA 1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	52.48	15.95
08 71 11 00-0472 EA 1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	54.36	15.95
08 71 11 00-0473 EA 1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	58.60	15.95
08 71 11 00-0474 EA 1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430).....	58.60	15.95
08 71 11 00-0475 EA 1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430).....	58.60	15.95
08 71 11 00-0476 EA 1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430).....	59.86	15.95
08 71 11 00-0477 Steel Floor Stops (08 71 11 00-0423)		
08 71 11 00-0478 EA 2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	45.16	15.95
08 71 11 00-0479 EA 1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)..... Note: Includes drilling. Excludes Grout.	114.91	15.95
08 71 11 00-0480 EA 3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)..... Note: Includes drilling. Excludes Grout.	120.86	15.95
08 71 11 00-0481 Wall Stops (08 71 11 00-0422)		
08 71 11 00-0482 Aluminum Wall Stops (08 71 11 00-0481)		
08 71 11 00-0483 EA 3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	17.95	6.38
08 71 11 00-0484 EA 3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	26.17	9.57
08 71 11 00-0485 Brass Wall Stops (08 71 11 00-0481)		
08 71 11 00-0486 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	30.72	6.38
08 71 11 00-0487 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	30.72	6.38
08 71 11 00-0488 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	30.72	6.38
08 71 11 00-0489 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	36.28	6.38
08 71 11 00-0490 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	36.81	6.38
08 71 11 00-0491 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	36.81	6.38
08 71 11 00-0492 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	36.81	6.38
08 71 11 00-0493 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	85.49	9.57
08 71 11 00-0494 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	87.45	9.57
08 71 11 00-0495 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	87.45	9.57
08 71 11 00-0496 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	87.45	9.57
08 71 11 00-0497 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	87.45	9.57
08 71 11 00-0498 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	87.45	9.57
08 71 11 00-0499 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	71.67	9.57
08 71 11 00-0500 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	82.27	9.57
08 71 11 00-0501 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	82.27	9.57
08 71 11 00-0502 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	82.27	9.57
08 71 11 00-0503 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	82.27	9.57
08 71 11 00-0504 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	84.79	9.57
08 71 11 00-0505 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	84.79	9.57
08 71 11 00-0506 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	137.14	9.57
08 71 11 00-0507 Steel Wall Stops (08 71 11 00-0481)		
08 71 11 00-0508 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63).....	13.85	6.38
08 71 11 00-0509 Hinge Pin Door Stops (08 71 11 00-0422)		
08 71 11 00-0510 Aluminum Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0511 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	28.74	12.77
08 71 11 00-0512 Brass Hinge Pin Door Stops (08 71 11 00-0509)		
08 71 11 00-0513 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	29.36	12.77
08 71 11 00-0514 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	33.22	12.77
08 71 11 00-0515 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	42.53	12.77
08 71 11 00-0516 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	42.53	12.77
08 71 11 00-0517 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	42.53	12.77
08 71 11 00-0518 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.90	12.77
08 71 11 00-0519 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.90	12.77
08 71 11 00-0520 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.90	12.77
08 71 11 00-0521 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	46.90	12.77

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0522	Wall Bumpers <small>(08 71 11 00-0422)</small>		
08 71 11 00-0523	Brass Wall Bumpers <small>(08 71 11 00-0522)</small>		
08 71 11 00-0524	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	37.99	15.95
08 71 11 00-0525	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	37.99	15.95
08 71 11 00-0526	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	37.99	15.95
08 71 11 00-0527	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.52	15.95
08 71 11 00-0528	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.52	15.95
08 71 11 00-0529	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.52	15.95
08 71 11 00-0530	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	38.52	15.95
08 71 11 00-0531	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	56.44	15.95
08 71 11 00-0532	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.30	15.95
08 71 11 00-0533	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.30	15.95
08 71 11 00-0534	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.30	15.95
08 71 11 00-0535	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.30	15.95
08 71 11 00-0536	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	61.30	15.95
08 71 11 00-0537	EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	62.38	15.95
08 71 11 00-0538	Rubber Wall Bumpers <small>(08 71 11 00-0522)</small>		
08 71 11 00-0539	EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	36.06	15.95
08 71 11 00-0540	Holders <small>(08 71 11 00-0421)</small>		
08 71 11 00-0541	Plunger Type Door Holders <small>(08 71 11 00-0540)</small>		
08 71 11 00-0542	Aluminum Plunger Type Door Holders <small>(08 71 11 00-0541)</small>		
08 71 11 00-0543	EA Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	90.32	9.57
08 71 11 00-0544	Brass Plunger Type Door Holders <small>(08 71 11 00-0541)</small>		
08 71 11 00-0545	EA Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.54	9.57
08 71 11 00-0546	EA Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.54	9.57
08 71 11 00-0547	EA Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.54	9.57
08 71 11 00-0548	EA Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.54	9.57
08 71 11 00-0549	EA Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.54	9.57
08 71 11 00-0550	EA Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.54	9.57
08 71 11 00-0551	EA Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	147.54	9.57
08 71 11 00-0552	Kick Down Door Holders <small>(08 71 11 00-0540)</small>		
08 71 11 00-0553	Aluminum Kick Down Door Holders <small>(08 71 11 00-0552)</small>		
08 71 11 00-0554	EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	30.76	9.57
08 71 11 00-0555	Brass Kick Down Door Holders <small>(08 71 11 00-0552)</small>		
08 71 11 00-0556	EA Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	66.34	9.57
08 71 11 00-0557	EA Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	66.34	9.57
08 71 11 00-0558	EA Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	66.34	9.57
08 71 11 00-0559	EA Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	75.62	9.57
08 71 11 00-0560	EA Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	75.62	9.57
08 71 11 00-0561	EA Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	75.62	9.57
08 71 11 00-0562	EA Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	77.97	9.57
08 71 11 00-0563	Steel Kick Down Door Holders <small>(08 71 11 00-0552)</small>		
08 71 11 00-0564	EA Steel Kick Down Door Holder (Ives FS544).....	37.94	9.57
08 71 11 00-0565	Floor Mounted Door Holders <small>(08 71 11 00-0540)</small>		
08 71 11 00-0566	Brass Floor Mounted Door Holders <small>(08 71 11 00-0565)</small>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0567	EA		Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	129.91	19.14
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0568	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	129.91	19.14
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0569	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.74	19.14
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0570	EA		Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.74	19.14
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.74	19.14
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0572	EA		Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	160.74	19.14
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0573			Wall Mounted Door Holders (08 71 11 00-0540)		
08 71 11 00-0574			Aluminum Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0575	EA		4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	115.03	11.16
08 71 11 00-0576	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	168.85	19.14
08 71 11 00-0577			Brass Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0578	EA		3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	105.69	11.16
08 71 11 00-0579	EA		3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.41	11.16
08 71 11 00-0580	EA		3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.41	11.16
08 71 11 00-0581	EA		3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.41	11.16
08 71 11 00-0582	EA		3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.41	11.16
08 71 11 00-0583	EA		3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	122.41	11.16
08 71 11 00-0584	EA		3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	126.34	11.16
08 71 11 00-0585	EA		4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	119.69	11.16
08 71 11 00-0586	EA		4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.50	11.16
08 71 11 00-0587	EA		4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.50	11.16
08 71 11 00-0588	EA		4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.50	11.16
08 71 11 00-0589	EA		4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.50	11.16
08 71 11 00-0590	EA		4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	142.50	11.16
08 71 11 00-0591	EA		Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	191.61	19.14
08 71 11 00-0592	EA		Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	201.85	19.14
08 71 11 00-0593	EA		Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	201.85	19.14
08 71 11 00-0594	EA		Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	201.85	19.14
08 71 11 00-0595	EA		Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	201.85	19.14
08 71 11 00-0596	EA		Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	201.85	19.14
08 71 11 00-0597			Overhead Door Holders (08 71 11 00-0540)		
08 71 11 00-0598			Surface Mounted, Overhead Door Holders (08 71 11 00-0597)		
08 71 11 00-0599	EA		Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	594.93	31.90
			For Hold Open, Add	67.43	
08 71 11 00-0600	EA		Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	681.02	31.90
			For Hold Open, Add	79.85	
08 71 11 00-0601	EA		Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	681.02	31.90
			For Hold Open, Add	79.85	
08 71 11 00-0602	EA		Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	681.02	31.90
			For Hold Open, Add	79.85	
08 71 11 00-0603	EA		Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	678.09	31.90
			For Hold Open, Add	79.43	
08 71 11 00-0604			Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0597)		
			Note: With or without hold open feature.		
08 71 11 00-0605	EA		Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	464.93	31.90
08 71 11 00-0606	EA		Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	670.48	31.90
08 71 11 00-0607	EA		Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	760.08	31.90

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0608 EA Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	760.08	31.90
08 71 11 00-0609 EA Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	760.08	31.90
08 71 11 00-0610 Concealed Mounted, Overhead Door Holders (08 71 11 00-0597) Note: With or without hold open feature.		
08 71 11 00-0611 EA Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	648.81	31.90
08 71 11 00-0612 EA Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	648.81	31.90
08 71 11 00-0613 EA Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	683.95	31.90
08 71 11 00-0614 EA Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	713.82	31.90
08 71 11 00-0615 EA Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	713.82	31.90
08 71 11 00-0616 Silencers (08 71 11 00-0421)		
08 71 11 00-0617 EA Replacement Of Rubber Door Silencers.....	1.90	
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		
08 71 11 00-0618 Bolts (08 71 11 00-0421)		
08 71 11 00-0619 Brass Surface Bolts (08 71 11 00-0618)		
08 71 11 00-0620 EA 8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	194.23	15.95
08 71 11 00-0621 EA 8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	207.76	15.95
08 71 11 00-0622 EA 8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	207.76	15.95
08 71 11 00-0623 Steel Surface Bolts (08 71 11 00-0618)		
08 71 11 00-0624 EA 8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	89.41	15.95
08 71 11 00-0625 EA 8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	89.41	15.95
08 71 11 00-0626 EA 8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	89.41	15.95
08 71 11 00-0627 EA 8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	101.24	15.95
08 71 11 00-0628 EA 8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	102.94	15.95
08 71 11 00-0629 EA 8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	106.30	15.95
08 71 11 00-0630 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	104.60	15.95
08 71 11 00-0631 EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	109.70	15.95
08 71 11 00-0632 EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	116.46	15.95
08 71 11 00-0633 EA 12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	121.53	15.95
08 71 11 00-0634 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	189.17	15.95
08 71 11 00-0635 Door Viewer (08 71 11 00-0421)		
08 71 11 00-0636 Brass Door Viewer (08 71 11 00-0635)		
08 71 11 00-0637 EA 120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	48.03	15.95
08 71 11 00-0638 EA 120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	48.03	15.95
08 71 11 00-0639 EA 120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	48.03	15.95
08 71 11 00-0640 EA 150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	55.59	15.95
08 71 11 00-0641 EA 150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	55.59	15.95
08 71 11 00-0642 EA 150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	55.59	15.95
08 71 11 00-0643 EA 190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	64.90	15.95
08 71 11 00-0644 EA 190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	64.90	15.95
08 71 11 00-0645 Door Knockers (08 71 11 00-0421)		
08 71 11 00-0646 Brass Door Knockers (08 71 11 00-0645)		
08 71 11 00-0647 EA 5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	71.34	15.95
08 71 11 00-0648 EA 5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	78.52	15.95
08 71 11 00-0649 EA 5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	78.52	15.95
08 71 11 00-0650 EA 5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	78.52	15.95
08 71 11 00-0651 EA 8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	105.75	15.95
08 71 11 00-0652 EA 8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	123.05	15.95
08 71 11 00-0653 Hasps (08 71 11 00-0421)		
08 71 11 00-0654 EA 3-1/4", Zinc Plated Finish, Steel Hasp Assembly	33.86	12.04
08 71 11 00-0655 EA 4-1/2", Zinc Plated Finish, Steel Hasp Assembly	36.09	12.77
08 71 11 00-0656 EA 6", Zinc Plated Finish, Steel Hasp Assembly	45.87	14.36
08 71 11 00-0657 EA 6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	183.20	17.23
08 71 11 00-0658 Flush Bolts (08 71 11 00-0421)		
08 71 11 00-0659 Flush Bolts For Metal Doors (08 71 11 00-0658)		
08 71 11 00-0660 Brass Flush Bolts For Metal Doors (08 71 11 00-0659)		
08 71 11 00-0661 Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0660) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	69.12	15.95



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0663 Automatic, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0660)</small>		
<small>Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.</small>		
08 71 11 00-0664 EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	139.84	15.95
08 71 11 00-0665 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	139.84	15.95
08 71 11 00-0666 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	242.80	25.52
08 71 11 00-0667 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	249.21	22.33
08 71 11 00-0668 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	259.17	23.93
08 71 11 00-0669 Constant Latching, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0660)</small>		
<small>Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.</small>		
08 71 11 00-0670 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	165.33	15.95
08 71 11 00-0671 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P).....	306.72	25.52
08 71 11 00-0672 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52).....	300.34	22.33
08 71 11 00-0673 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	311.99	23.93
08 71 11 00-0674 Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0659)</small>		
08 71 11 00-0675 Automatic, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0674)</small>		
<small>Note: Includes stainless steel construction with bright or satin finish.</small>		
08 71 11 00-0676 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T).....	139.84	15.95
08 71 11 00-0677 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	139.84	15.95
08 71 11 00-0678 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	242.80	25.52
08 71 11 00-0679 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32).....	249.21	22.33
08 71 11 00-0680 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	259.17	23.93
08 71 11 00-0681 Constant Latching, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0674)</small>		
<small>Note: Includes stainless steel construction with bright or satin finish.</small>		
08 71 11 00-0682 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T).....	165.33	15.95
08 71 11 00-0683 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P).....	306.72	25.52
08 71 11 00-0684 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52).....	300.34	22.33
08 71 11 00-0685 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53).....	311.99	23.93
08 71 11 00-0686 Flush Bolts For Wood Doors <small>(08 71 11 00-0658)</small>		
08 71 11 00-0687 Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0686)</small>		
08 71 11 00-0688 Manual, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0687)</small>		
<small>Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.</small>		
08 71 11 00-0689 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	81.77	15.95
08 71 11 00-0690 Automatic, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0687)</small>		
<small>Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.</small>		
08 71 11 00-0691 EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T).....	173.42	15.95
08 71 11 00-0692 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B).....	173.42	15.95
08 71 11 00-0693 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	320.92	25.52
08 71 11 00-0694 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42).....	314.54	22.33
08 71 11 00-0695 Constant Latching, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0687)</small>		
<small>Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.</small>		
08 71 11 00-0696 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T).....	172.10	15.95
08 71 11 00-0697 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	320.92	25.52
08 71 11 00-0698 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62).....	314.54	22.33
08 71 11 00-0699 Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0686)</small>		
08 71 11 00-0700 Automatic, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0699)</small>		
<small>Note: Includes stainless steel construction with bright or satin finish.</small>		
08 71 11 00-0701 EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	173.42	15.95
08 71 11 00-0702 EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	173.42	15.95
08 71 11 00-0703 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P).....	320.92	25.52
08 71 11 00-0704 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	314.54	22.33
08 71 11 00-0705 Constant Latching, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0699)</small>		
<small>Note: Includes stainless steel construction with bright or satin finish.</small>		
08 71 11 00-0706 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	172.10	15.95
08 71 11 00-0707 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P).....	320.92	25.52
08 71 11 00-0708 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	314.54	22.33

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0709			Dust Proof Strikes (08 71 11 00-0658)		
08 71 11 00-0710	EA		Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	61.71	12.77
08 71 11 00-0711	EA		Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	61.71	12.77
08 71 11 00-0712	EA		Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	61.71	12.77
08 71 11 00-0713	EA		Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	61.71	12.77
08 71 11 00-0714	EA		Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	61.71	12.77
08 71 11 00-0715	EA		Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.17	12.77
08 71 11 00-0716	EA		Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.17	12.77
08 71 11 00-0717	EA		Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.17	12.77
08 71 11 00-0718	EA		Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.17	12.77
08 71 11 00-0719	EA		Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	71.17	12.77
08 71 11 00-0720			Roller Bumpers (08 71 11 00-0421)		
08 71 11 00-0721			Brass Roller Bumpers (08 71 11 00-0720)		
08 71 11 00-0722	EA		5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	64.53	9.57
08 71 11 00-0723	EA		5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	75.83	9.57
08 71 11 00-0724	EA		5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	75.83	9.57
08 71 11 00-0725	EA		4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	61.98	9.57
08 71 11 00-0726	EA		4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	70.59	9.57
08 71 11 00-0727	EA		4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	70.59	9.57
08 71 11 00-0728	EA		4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	70.59	9.57
08 71 11 00-0729	EA		6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	64.70	9.57
08 71 11 00-0730	EA		6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	70.79	9.57
08 71 11 00-0731	EA		6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.66	9.57
08 71 11 00-0732	EA		6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.66	9.57
08 71 11 00-0733	EA		6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.66	9.57
08 71 11 00-0734	EA		6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.66	9.57
08 71 11 00-0735	EA		6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.66	9.57
08 71 11 00-0736			Other Door Trim (08 71 11 00-0421)		
08 71 11 00-0737			Coat And Hat Hooks (08 71 11 00-0736)		
08 71 11 00-0738			Aluminum Coat And Hat Hooks (08 71 11 00-0737)		
08 71 11 00-0739	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	22.25	9.57
08 71 11 00-0740	EA		1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	22.25	9.57
08 71 11 00-0741	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	22.46	9.57
08 71 11 00-0742	EA		1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.11	9.57
08 71 11 00-0743	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.11	9.57
08 71 11 00-0744	EA		1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.11	9.57
08 71 11 00-0745	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	22.46	9.57
08 71 11 00-0746	EA		1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.51	9.57
08 71 11 00-0747	EA		1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.51	9.57
08 71 11 00-0748	EA		1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.51	9.57
08 71 11 00-0749	EA		1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.51	9.57
08 71 11 00-0750	EA		1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	23.51	9.57
08 71 11 00-0751			Brass Coat And Hat Hooks (08 71 11 00-0737)		
08 71 11 00-0752	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	27.99	9.57
08 71 11 00-0753	EA		1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	28.55	9.57
08 71 11 00-0754	EA		1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	29.43	9.57
08 71 11 00-0755	EA		1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	29.43	9.57
08 71 11 00-0756	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	29.98	9.57
08 71 11 00-0757	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	31.77	9.57
08 71 11 00-0758	EA		1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	34.29	9.57
08 71 11 00-0759	EA		1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	34.29	9.57
08 71 11 00-0760	EA		1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571).....	34.29	9.57
08 71 11 00-0761	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571).....	34.84	9.57
08 71 11 00-0762			Door Plates And Pulls (08 71 11)		
08 71 11 00-0763			Kick Plate (08 71 11 00-0762) Note: Ives 8400.		
08 71 11 00-0764			Aluminum Base Material Kick Plate (08 71 11 00-0763)		
08 71 11 00-0765			Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0764)		
08 71 11 00-0766	EA		8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.27	9.57
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0767	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.85	9.57
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0768	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.37	9.57
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0769 EA 8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.92 1.76 11.40	9.57
08 71 11 00-0770 EA 8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.05 1.76 11.40	10.21
08 71 11 00-0771 EA 8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.54 1.76 11.40	10.21
08 71 11 00-0772 EA 8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.09 1.76 11.40	10.21
08 71 11 00-0773 EA 8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.64 1.76 11.40	10.21
08 71 11 00-0774 EA 8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.73 1.76 11.40	10.85
08 71 11 00-0775 EA 8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.28 1.76 11.40	10.85
08 71 11 00-0776 EA 8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.80 1.76 11.40	10.85
08 71 11 00-0777 EA 8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.94 1.76 11.40	11.48
08 71 11 00-0778 EA 8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.49 1.76 11.40	11.48
08 71 11 00-0779 EA 8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.01 1.76 11.40	11.48
08 71 11 00-0780 EA 10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.31 1.76 11.40	9.57
08 71 11 00-0781 EA 10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.50 1.76 11.40	9.57
08 71 11 00-0782 EA 10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.64 1.76 11.40	9.57
08 71 11 00-0783 EA 10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.83 1.76 11.40	9.57
08 71 11 00-0784 EA 10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.57 1.76 11.40	10.21
08 71 11 00-0785 EA 10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.74 1.76 11.40	10.21
08 71 11 00-0786 EA 10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.93 1.76 11.40	10.21
08 71 11 00-0787 EA 10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.10 1.76 11.40	10.21
08 71 11 00-0788 EA 10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.83 1.76 11.40	10.85
08 71 11 00-0789 EA 10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.00 1.76 11.40	10.85
08 71 11 00-0790 EA 10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.19 1.76 11.40	10.85
08 71 11 00-0791 EA 10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.94 1.76 11.40	11.48
08 71 11 00-0792 EA 10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.08 1.76 11.40	11.48
08 71 11 00-0793 EA 10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.27 1.76 11.40	11.48
08 71 11 00-0794 EA 12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.31 1.76 11.40	9.57
08 71 11 00-0795 EA 12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.09 1.76 11.40	9.57
08 71 11 00-0796 EA 12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.96 1.76 11.40	9.57

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0797	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.71 1.76 11.40	9.57
08 71 11 00-0798	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.10 1.76 11.40	10.21
08 71 11 00-0799	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.91 1.76 11.40	10.21
08 71 11 00-0800	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.72 1.76 11.40	10.21
08 71 11 00-0801	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.56 1.76 11.40	10.21
08 71 11 00-0802	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.90 1.76 11.40	10.85
08 71 11 00-0803	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.71 1.76 11.40	10.85
08 71 11 00-0804	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.55 1.76 11.40	10.85
08 71 11 00-0805	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.92 1.76 11.40	11.48
08 71 11 00-0806	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.73 1.76 11.40	11.48
08 71 11 00-0807	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.57 1.76 11.40	11.48
08 71 11 00-0808	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.81 1.76 11.40	10.21
08 71 11 00-0809	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.26 1.76 11.40	10.21
08 71 11 00-0810	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.77 1.76 11.40	10.21
08 71 11 00-0811	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.23 1.76 11.40	10.21
08 71 11 00-0812	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.19 1.76 11.40	10.85
08 71 11 00-0813	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.64 1.76 11.40	10.85
08 71 11 00-0814	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.10 1.76 11.40	10.85
08 71 11 00-0815	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.55 1.76 11.40	10.85
08 71 11 00-0816	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.57 1.76 11.40	11.48
08 71 11 00-0817	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.99 1.76 11.40	11.48
08 71 11 00-0818	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.45 1.76 11.40	11.48
08 71 11 00-0819	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.45 1.76 11.40	12.12
08 71 11 00-0820	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.93 1.76 11.40	12.12
08 71 11 00-0821	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.39 1.76 11.40	12.12
08 71 11 00-0822	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.84 1.76 11.40	10.21
08 71 11 00-0823	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.91 1.76 11.40	10.21
08 71 11 00-0824	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.04 1.76 11.40	10.21



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0825	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.10 1.76 11.40	10.21
08 71 11 00-0826	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.64 1.76 11.40	10.85
08 71 11 00-0827	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.84 1.76 11.40	10.85
08 71 11 00-0828	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.94 1.76 11.40	10.85
08 71 11 00-0829	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.01 1.76 11.40	10.85
08 71 11 00-0830	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.64 1.76 11.40	11.48
08 71 11 00-0831	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.77 1.76 11.40	11.48
08 71 11 00-0832	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.84 1.76 11.40	11.48
08 71 11 00-0833	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.46 1.76 11.40	12.12
08 71 11 00-0834	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.56 1.76 11.40	12.12
08 71 11 00-0835	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.68 1.76 11.40	12.12
08 71 11 00-0836	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.86 6.30 11.40	10.21
08 71 11 00-0837	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.95 6.30 11.40	10.21
08 71 11 00-0838	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.05 6.30 11.40	10.21
08 71 11 00-0839	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.14 6.30 11.40	10.21
08 71 11 00-0840	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.75 6.30 11.40	10.85
08 71 11 00-0841	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.84 6.30 11.40	10.85
08 71 11 00-0842	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.94 6.30 11.40	10.85
08 71 11 00-0843	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.03 6.30 11.40	10.85
08 71 11 00-0844	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.69 6.30 11.40	11.48
08 71 11 00-0845	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.78 6.30 11.40	11.48
08 71 11 00-0846	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.88 6.30 11.40	11.48
08 71 11 00-0847	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.52 6.30 11.40	12.12
08 71 11 00-0848	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.62 6.30 11.40	12.12
08 71 11 00-0849	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.71 6.30 11.40	12.12
08 71 11 00-0850	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.84 6.30 11.40	10.85
08 71 11 00-0851	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.61 6.30 11.40	10.85
08 71 11 00-0852	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.38 6.30 11.40	10.85

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0853	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.15 6.30 11.40	10.85
08 71 11 00-0854	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.47 6.30 11.40	11.48
08 71 11 00-0855	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.24 6.30 11.40	11.48
08 71 11 00-0856	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.01 6.30 11.40	11.48
08 71 11 00-0857	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.78 6.30 11.40	11.48
08 71 11 00-0858	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.10 6.30 11.40	12.12
08 71 11 00-0859	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.87 6.30 11.40	12.12
08 71 11 00-0860	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.64 6.30 11.40	12.12
08 71 11 00-0861	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.96 6.30 11.40	12.77
08 71 11 00-0862	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.73 6.30 11.40	12.77
08 71 11 00-0863	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.50 6.30 11.40	12.77
08 71 11 00-0864	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.28 6.30 11.40	10.85
08 71 11 00-0865	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.72 6.30 11.40	10.85
08 71 11 00-0866	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.17 6.30 11.40	10.85
08 71 11 00-0867	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.61 6.30 11.40	10.85
08 71 11 00-0868	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.64 6.30 11.40	11.48
08 71 11 00-0869	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.09 6.30 11.40	11.48
08 71 11 00-0870	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.53 6.30 11.40	11.48
08 71 11 00-0871	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.97 6.30 11.40	11.48
08 71 11 00-0872	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.96 6.30 11.40	12.12
08 71 11 00-0873	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.41 6.30 11.40	12.12
08 71 11 00-0874	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.85 6.30 11.40	12.12
08 71 11 00-0875	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.84 6.30 11.40	12.77
08 71 11 00-0876	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.29 6.30 11.40	12.77
08 71 11 00-0877	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.73 6.30 11.40	12.77
08 71 11 00-0878	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.72 6.30 11.40	10.85
08 71 11 00-0879	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.84 6.30 11.40	10.85
08 71 11 00-0880	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.99 6.30 11.40	10.85



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0881 EA 24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.10 6.30 11.40	10.85
08 71 11 00-0882 EA 24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.78 6.30 11.40	11.48
08 71 11 00-0883 EA 24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.90 6.30 11.40	11.48
08 71 11 00-0884 EA 24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.02 6.30 11.40	11.48
08 71 11 00-0885 EA 24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.16 6.30 11.40	11.48
08 71 11 00-0886 EA 24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.83 6.30 11.40	12.12
08 71 11 00-0887 EA 24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.95 6.30 11.40	12.12
08 71 11 00-0888 EA 24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.06 6.30 11.40	12.12
08 71 11 00-0889 EA 24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	229.73 6.30 11.40	12.77
08 71 11 00-0890 EA 24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.88 6.30 11.40	12.77
08 71 11 00-0891 EA 24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.99 6.30 11.40	12.77
08 71 11 00-0892 Brass Base Material Kick Plate <small>(08 71 11 00-0763)</small>		
08 71 11 00-0893 Bright/Satin Brass Finish, Brass Kick Plate <small>(08 71 11 00-0892)</small>		
08 71 11 00-0894 EA 8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.32 1.76 11.40	9.57
08 71 11 00-0895 EA 8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.76 1.76 11.40	9.57
08 71 11 00-0896 EA 8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.24 1.76 11.40	9.57
08 71 11 00-0897 EA 8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.69 1.76 11.40	9.57
08 71 11 00-0898 EA 8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.68 1.76 11.40	10.21
08 71 11 00-0899 EA 8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.19 1.76 11.40	10.21
08 71 11 00-0900 EA 8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.64 1.76 11.40	10.21
08 71 11 00-0901 EA 8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.08 1.76 11.40	10.21
08 71 11 00-0902 EA 8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.07 1.76 11.40	10.85
08 71 11 00-0903 EA 8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.51 1.76 11.40	10.85
08 71 11 00-0904 EA 8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.96 1.76 11.40	10.85
08 71 11 00-0905 EA 8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.97 1.76 11.40	11.48
08 71 11 00-0906 EA 8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.47 1.76 11.40	11.48
08 71 11 00-0907 EA 8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.92 1.76 11.40	11.48
08 71 11 00-0908 EA 10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.60 1.76 11.40	9.57

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0909	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.13 1.76 11.40	9.57
08 71 11 00-0910	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.73 1.76 11.40	9.57
08 71 11 00-0911	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.29 1.76 11.40	9.57
08 71 11 00-0912	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.38 1.76 11.40	10.21
08 71 11 00-0913	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.97 1.76 11.40	10.21
08 71 11 00-0914	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.57 1.76 11.40	10.21
08 71 11 00-0915	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.13 1.76 11.40	10.21
08 71 11 00-0916	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.21 1.76 11.40	10.85
08 71 11 00-0917	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.81 1.76 11.40	10.85
08 71 11 00-0918	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.40 1.76 11.40	10.85
08 71 11 00-0919	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.50 1.76 11.40	11.48
08 71 11 00-0920	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.09 1.76 11.40	11.48
08 71 11 00-0921	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	299.66 1.76 11.40	11.48
08 71 11 00-0922	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.79 1.76 11.40	9.57
08 71 11 00-0923	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.53 1.76 11.40	9.57
08 71 11 00-0924	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.19 1.76 11.40	9.57
08 71 11 00-0925	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.87 1.76 11.40	9.57
08 71 11 00-0926	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.13 1.76 11.40	10.21
08 71 11 00-0927	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.82 1.76 11.40	10.21
08 71 11 00-0928	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.50 1.76 11.40	10.21
08 71 11 00-0929	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	269.16 1.76 11.40	10.21
08 71 11 00-0930	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.44 1.76 11.40	10.85
08 71 11 00-0931	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.10 1.76 11.40	10.85
08 71 11 00-0932	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.78 1.76 11.40	10.85
08 71 11 00-0933	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	325.02 1.76 11.40	11.48
08 71 11 00-0934	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.68 1.76 11.40	11.48
08 71 11 00-0935	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	350.42 1.76 11.40	11.48
08 71 11 00-0936	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.65 1.76 11.40	10.21



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0937	EA			14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.42 1.76 11.40	10.21
08 71 11 00-0938	EA			14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.22 1.76 11.40	10.21
08 71 11 00-0939	EA			14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.06 1.76 11.40	10.21
08 71 11 00-0940	EA			14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.40 1.76 11.40	10.85
08 71 11 00-0941	EA			14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.20 1.76 11.40	10.85
08 71 11 00-0942	EA			14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.98 1.76 11.40	10.85
08 71 11 00-0943	EA			14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.78 1.76 11.40	10.85
08 71 11 00-0944	EA			14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	327.14 1.76 11.40	11.48
08 71 11 00-0945	EA			14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.95 1.76 11.40	11.48
08 71 11 00-0946	EA			14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	356.72 1.76 11.40	11.48
08 71 11 00-0947	EA			14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	374.07 1.76 11.40	12.12
08 71 11 00-0948	EA			14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	388.91 1.76 11.40	12.12
08 71 11 00-0949	EA			14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	403.71 1.76 11.40	12.12
08 71 11 00-0950	EA			16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.96 1.76 11.40	10.21
08 71 11 00-0951	EA			16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.30 1.76 11.40	10.21
08 71 11 00-0952	EA			16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.58 1.76 11.40	10.21
08 71 11 00-0953	EA			16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.83 1.76 11.40	10.21
08 71 11 00-0954	EA			16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.65 1.76 11.40	10.85
08 71 11 00-0955	EA			16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	399.95 1.76 11.40	10.85
08 71 11 00-0956	EA			16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	422.26 1.76 11.40	10.85
08 71 11 00-0957	EA			16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	444.48 1.76 11.40	10.85
08 71 11 00-0958	EA			16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	469.38 1.76 11.40	11.48
08 71 11 00-0959	EA			16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	491.69 1.76 11.40	11.48
08 71 11 00-0960	EA			16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	513.97 1.76 11.40	11.48
08 71 11 00-0961	EA			16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	538.76 1.76 11.40	12.12
08 71 11 00-0962	EA			16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	561.04 1.76 11.40	12.12
08 71 11 00-0963	EA			16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	583.35 1.76 11.40	12.12
08 71 11 00-0964	EA			18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.13 6.30 11.40	10.21

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0965	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.14 6.30 11.40	10.21
08 71 11 00-0966	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	366.13 6.30 11.40	10.21
08 71 11 00-0967	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.20 6.30 11.40	10.21
08 71 11 00-0968	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.76 6.30 11.40	10.85
08 71 11 00-0969	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	443.75 6.30 11.40	10.85
08 71 11 00-0970	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	468.82 6.30 11.40	10.85
08 71 11 00-0971	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	493.81 6.30 11.40	10.85
08 71 11 00-0972	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	521.44 6.30 11.40	11.48
08 71 11 00-0973	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	546.46 6.30 11.40	11.48
08 71 11 00-0974	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	571.44 6.30 11.40	11.48
08 71 11 00-0975	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	599.07 6.30 11.40	12.12
08 71 11 00-0976	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	624.05 6.30 11.40	12.12
08 71 11 00-0977	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	649.07 6.30 11.40	12.12
08 71 11 00-0978	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	349.25 6.30 11.40	10.85
08 71 11 00-0979	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.03 6.30 11.40	10.85
08 71 11 00-0980	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	404.87 6.30 11.40	10.85
08 71 11 00-0981	EA		20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	432.62 6.30 11.40	10.85
08 71 11 00-0982	EA		20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	463.02 6.30 11.40	11.48
08 71 11 00-0983	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	490.83 6.30 11.40	11.48
08 71 11 00-0984	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	518.62 6.30 11.40	11.48
08 71 11 00-0985	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	546.46 6.30 11.40	11.48
08 71 11 00-0986	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	576.76 6.30 11.40	12.12
08 71 11 00-0987	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	604.60 6.30 11.40	12.12
08 71 11 00-0988	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	632.41 6.30 11.40	12.12
08 71 11 00-0989	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	662.74 6.30 11.40	12.77
08 71 11 00-0990	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	690.58 6.30 11.40	12.77
08 71 11 00-0991	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	718.34 6.30 11.40	12.77
08 71 11 00-0992	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.85 6.30 11.40	10.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0993	EA			22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	410.40	10.85
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0994	EA			22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	440.98	10.85
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0995	EA			22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	471.59	10.85
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0996	EA			22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	504.72	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0997	EA			22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	535.33	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0998	EA			22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	565.91	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0999	EA			22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	596.52	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1000	EA			22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	629.61	12.12
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1001	EA			22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	660.19	12.12
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1002	EA			22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	690.80	12.12
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1003	EA			22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	723.93	12.77
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1004	EA			22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	754.53	12.77
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1005	EA			22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	785.05	12.77
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1006	EA			24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	410.40	10.85
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1007	EA			24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	443.75	10.85
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1008	EA			24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	477.15	10.85
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1009	EA			24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	510.52	10.85
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1010	EA			24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	546.46	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1011	EA			24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	579.80	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1012	EA			24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	613.17	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1013	EA			24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	648.37	11.48
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1014	EA			24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	682.44	12.12
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1015	EA			24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	715.79	12.12
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1016	EA			24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	749.16	12.12
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1017	EA			24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	785.05	12.77
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1018	EA			24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	818.49	12.77
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1019	EA			24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	851.83	12.77
				<i>For Four Beveled Edges, Add</i>	6.30	
				<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1020 Bright/Satin Chrome Finish, Stainless Kick Plate (08 71 11 00-0892)

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1021	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	141.18	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1022	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	150.54	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1023	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	159.89	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1024	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	169.25	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1025	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	181.15	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1026	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	190.48	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1027	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	199.84	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1028	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	209.19	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1029	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	221.09	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1030	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	230.48	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1031	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	239.83	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1032	EA		8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	251.75	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1033	EA		8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	261.10	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1034	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	270.46	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1035	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	166.92	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1036	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	178.60	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1037	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	190.29	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1038	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	201.98	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1039	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	216.25	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1040	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	227.94	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1041	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	239.62	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1042	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	251.31	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1043	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	265.54	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1044	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	277.23	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1045	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	288.92	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1046	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	303.16	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1047	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	314.85	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1048	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	326.54	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1049 EA 12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.62 1.76 11.40	9.57
08 71 11 00-1050 EA 12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.64 1.76 11.40	9.57
08 71 11 00-1051 EA 12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.72 1.76 11.40	9.57
08 71 11 00-1052 EA 12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.74 1.76 11.40	9.57
08 71 11 00-1053 EA 12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.31 1.76 11.40	10.21
08 71 11 00-1054 EA 12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	265.36 1.76 11.40	10.21
08 71 11 00-1055 EA 12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.38 1.76 11.40	10.21
08 71 11 00-1056 EA 12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.40 1.76 11.40	10.21
08 71 11 00-1057 EA 12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.96 1.76 11.40	10.85
08 71 11 00-1058 EA 12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.98 1.76 11.40	10.85
08 71 11 00-1059 EA 12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.03 1.76 11.40	10.85
08 71 11 00-1060 EA 12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.61 1.76 11.40	11.48
08 71 11 00-1061 EA 12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.69 1.76 11.40	11.48
08 71 11 00-1062 EA 12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.71 1.76 11.40	11.48
08 71 11 00-1063 EA 14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.88 1.76 11.40	10.21
08 71 11 00-1064 EA 14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.29 1.76 11.40	10.21
08 71 11 00-1065 EA 14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.67 1.76 11.40	10.21
08 71 11 00-1066 EA 14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.02 1.76 11.40	10.21
08 71 11 00-1067 EA 14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.92 1.76 11.40	10.85
08 71 11 00-1068 EA 14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.30 1.76 11.40	10.85
08 71 11 00-1069 EA 14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.65 1.76 11.40	10.85
08 71 11 00-1070 EA 14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.03 1.76 11.40	10.85
08 71 11 00-1071 EA 14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.00 1.76 11.40	11.48
08 71 11 00-1072 EA 14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.35 1.76 11.40	11.48
08 71 11 00-1073 EA 14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	389.70 1.76 11.40	11.48
08 71 11 00-1074 EA 14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.12 1.76 11.40	12.12
08 71 11 00-1075 EA 14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	424.98 1.76 11.40	12.12
08 71 11 00-1076 EA 14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	441.36 1.76 11.40	12.12

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1077	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.21 1.76 11.40	10.21
08 71 11 00-1078	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	340.18 1.76 11.40	10.21
08 71 11 00-1079	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	365.12 1.76 11.40	10.21
08 71 11 00-1080	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	390.06 1.76 11.40	10.21
08 71 11 00-1081	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	417.54 1.76 11.40	10.85
08 71 11 00-1082	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	442.48 1.76 11.40	10.85
08 71 11 00-1083	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	467.45 1.76 11.40	10.85
08 71 11 00-1084	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	492.39 1.76 11.40	10.85
08 71 11 00-1085	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	519.89 1.76 11.40	11.48
08 71 11 00-1086	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	544.83 1.76 11.40	11.48
08 71 11 00-1087	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	569.77 1.76 11.40	11.48
08 71 11 00-1088	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	597.26 1.76 11.40	12.12
08 71 11 00-1089	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	622.20 1.76 11.40	12.12
08 71 11 00-1090	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	647.14 1.76 11.40	12.12
08 71 11 00-1091	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.62 6.30 11.40	10.21
08 71 11 00-1092	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.63 6.30 11.40	10.21
08 71 11 00-1093	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	404.58 6.30 11.40	10.21
08 71 11 00-1094	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	432.59 6.30 11.40	10.21
08 71 11 00-1095	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	463.08 6.30 11.40	10.85
08 71 11 00-1096	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	491.06 6.30 11.40	10.85
08 71 11 00-1097	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	519.04 6.30 11.40	10.85
08 71 11 00-1098	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	547.02 6.30 11.40	10.85
08 71 11 00-1099	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	577.53 6.30 11.40	11.48
08 71 11 00-1100	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	605.54 6.30 11.40	11.48
08 71 11 00-1101	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	633.55 6.30 11.40	11.48
08 71 11 00-1102	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	664.05 6.30 11.40	12.12
08 71 11 00-1103	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	692.06 6.30 11.40	12.12
08 71 11 00-1104	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	720.02 6.30 11.40	12.12



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1105	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.34 6.30 11.40	10.85
08 71 11 00-1106	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	416.48 6.30 11.40	10.85
08 71 11 00-1107	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	447.53 6.30 11.40	10.85
08 71 11 00-1108	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	478.67 6.30 11.40	10.85
08 71 11 00-1109	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	512.28 6.30 11.40	11.48
08 71 11 00-1110	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	543.36 6.30 11.40	11.48
08 71 11 00-1111	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	574.47 6.30 11.40	11.48
08 71 11 00-1112	EA		20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	605.54 6.30 11.40	11.48
08 71 11 00-1113	EA		20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	639.23 6.30 11.40	12.12
08 71 11 00-1114	EA		20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	670.28 6.30 11.40	12.12
08 71 11 00-1115	EA		20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	701.36 6.30 11.40	12.12
08 71 11 00-1116	EA		20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	735.02 6.30 11.40	12.77
08 71 11 00-1117	EA		20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	766.10 6.30 11.40	12.77
08 71 11 00-1118	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	797.21 6.30 11.40	12.77
08 71 11 00-1119	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.55 6.30 11.40	10.85
08 71 11 00-1120	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	453.79 6.30 11.40	10.85
08 71 11 00-1121	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	487.96 6.30 11.40	10.85
08 71 11 00-1122	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	522.14 6.30 11.40	10.85
08 71 11 00-1123	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	558.94 6.30 11.40	11.48
08 71 11 00-1124	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	593.12 6.30 11.40	11.48
08 71 11 00-1125	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	627.33 6.30 11.40	11.48
08 71 11 00-1126	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	661.50 6.30 11.40	11.48
08 71 11 00-1127	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	698.29 6.30 11.40	12.12
08 71 11 00-1128	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	732.47 6.30 11.40	12.12
08 71 11 00-1129	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	766.68 6.30 11.40	12.12
08 71 11 00-1130	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	803.41 6.30 11.40	12.77
08 71 11 00-1131	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	837.59 6.30 11.40	12.77
08 71 11 00-1132	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	871.82 6.30 11.40	12.77

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1133	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	453.79	10.85
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1134	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	491.06	10.85
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1135	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	528.37	10.85
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1136	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	565.68	10.85
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1137	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	605.54	11.48
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1138	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	642.85	11.48
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1139	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	680.22	11.48
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1140	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	717.47	11.48
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1141	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	757.32	12.12
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1142	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	794.66	12.12
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1143	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	831.97	12.12
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1144	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	871.82	12.77
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1145	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	909.13	12.77
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1146	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	946.44	12.77
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1147			Satin/Dark Bronze Finish, Brass Kick Plate <small>(08 71 11 00-0892)</small>		
08 71 11 00-1148	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	142.70	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1149	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	152.14	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1150	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	161.68	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1151	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	171.12	9.57
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1152	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	183.21	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1153	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	192.68	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1154	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	202.19	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1155	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	211.66	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1156	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	223.65	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1157	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	233.18	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1158	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	242.66	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1159	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	254.72	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1160	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	264.20	11.48
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1161	EA			8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.70 1.76 11.40	11.48
08 71 11 00-1162	EA			10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.77 1.76 11.40	9.57
08 71 11 00-1163	EA			10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.66 1.76 11.40	9.57
08 71 11 00-1164	EA			10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.49 1.76 11.40	9.57
08 71 11 00-1165	EA			10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.35 1.76 11.40	9.57
08 71 11 00-1166	EA			10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.76 1.76 11.40	10.21
08 71 11 00-1167	EA			10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.64 1.76 11.40	10.21
08 71 11 00-1168	EA			10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.47 1.76 11.40	10.21
08 71 11 00-1169	EA			10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.33 1.76 11.40	10.21
08 71 11 00-1170	EA			10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.76 1.76 11.40	10.85
08 71 11 00-1171	EA			10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.62 1.76 11.40	10.85
08 71 11 00-1172	EA			10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.45 1.76 11.40	10.85
08 71 11 00-1173	EA			10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	306.93 1.76 11.40	11.48
08 71 11 00-1174	EA			10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	318.76 1.76 11.40	11.48
08 71 11 00-1175	EA			10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.62 1.76 11.40	11.48
08 71 11 00-1176	EA			12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.87 1.76 11.40	9.57
08 71 11 00-1177	EA			12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.11 1.76 11.40	9.57
08 71 11 00-1178	EA			12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.33 1.76 11.40	9.57
08 71 11 00-1179	EA			12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.57 1.76 11.40	9.57
08 71 11 00-1180	EA			12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.33 1.76 11.40	10.21
08 71 11 00-1181	EA			12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.60 1.76 11.40	10.21
08 71 11 00-1182	EA			12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.85 1.76 11.40	10.21
08 71 11 00-1183	EA			12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.06 1.76 11.40	10.21
08 71 11 00-1184	EA			12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.84 1.76 11.40	10.85
08 71 11 00-1185	EA			12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.06 1.76 11.40	10.85
08 71 11 00-1186	EA			12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	342.27 1.76 11.40	10.85
08 71 11 00-1187	EA			12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	359.07 1.76 11.40	11.48
08 71 11 00-1188	EA			12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.34 1.76 11.40	11.48

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....387.56	11.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....223.49	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....240.12	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....256.72	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....273.31	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1194	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....292.45	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1195	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....309.08	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1196	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....325.67	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1197	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....342.27	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1198	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....361.46	11.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1199	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....378.05	11.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1200	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....394.65	11.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1201	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....413.83	12.12	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1202	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....430.48	12.12	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1203	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....447.08	12.12	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1204	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....314.39	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1205	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....339.29	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1206	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....364.15	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1207	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....389.02	10.21	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1208	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....416.43	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1209	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....441.29	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1210	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....466.19	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1211	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....491.05	10.85	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1212	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....518.48	11.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1213	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....543.34	11.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1214	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....568.21	11.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....595.63	12.12	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....620.49	12.12	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	645.36	12.12
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	347.70	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	375.63	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1220	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	403.50	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1221	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	431.42	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1222	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	461.83	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1223	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	489.73	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1224	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	517.63	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1225	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	545.52	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1226	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	575.95	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1227	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	603.88	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1228	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	631.80	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1229	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	662.22	12.12
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1230	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	690.15	12.12
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1231	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	718.01	12.12
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1232	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	384.32	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1233	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	415.37	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1234	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	446.32	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1235	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	477.37	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1236	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	510.89	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1237	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	541.87	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1238	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	572.89	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1239	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	603.88	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1240	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	637.47	12.12
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1241	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	668.43	12.12
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1242	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	699.42	12.12
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1243	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	732.98	12.77
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1244	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate		.....	763.97	12.77
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1245	EA		20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	794.98 6.30 11.40	12.77
08 71 11 00-1246	EA		22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	418.43 6.30 11.40	10.85
08 71 11 00-1247	EA		22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	452.56 6.30 11.40	10.85
08 71 11 00-1248	EA		22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	486.64 6.30 11.40	10.85
08 71 11 00-1249	EA		22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	520.72 6.30 11.40	10.85
08 71 11 00-1250	EA		22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	557.41 6.30 11.40	11.48
08 71 11 00-1251	EA		22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	591.49 6.30 11.40	11.48
08 71 11 00-1252	EA		22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	625.59 6.30 11.40	11.48
08 71 11 00-1253	EA		22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	659.67 6.30 11.40	11.48
08 71 11 00-1254	EA		22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	696.35 6.30 11.40	12.12
08 71 11 00-1255	EA		22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	730.43 6.30 11.40	12.12
08 71 11 00-1256	EA		22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	764.54 6.30 11.40	12.12
08 71 11 00-1257	EA		22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	801.16 6.30 11.40	12.77
08 71 11 00-1258	EA		22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	835.24 6.30 11.40	12.77
08 71 11 00-1259	EA		22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	869.38 6.30 11.40	12.77
08 71 11 00-1260	EA		24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	452.56 6.30 11.40	10.85
08 71 11 00-1261	EA		24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	489.73 6.30 11.40	10.85
08 71 11 00-1262	EA		24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	526.92 6.30 11.40	10.85
08 71 11 00-1263	EA		24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	564.12 6.30 11.40	10.85
08 71 11 00-1264	EA		24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	603.88 6.30 11.40	11.48
08 71 11 00-1265	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	641.07 6.30 11.40	11.48
08 71 11 00-1266	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	678.33 6.30 11.40	11.48
08 71 11 00-1267	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	715.46 6.30 11.40	11.48
08 71 11 00-1268	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	755.21 6.30 11.40	12.12
08 71 11 00-1269	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	792.43 6.30 11.40	12.12
08 71 11 00-1270	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	829.63 6.30 11.40	12.12
08 71 11 00-1271	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	869.38 6.30 11.40	12.77
08 71 11 00-1272	EA		24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	906.57 6.30 11.40	12.77



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1273 EA 24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	943.77	12.77
For Four Beveled Edges, Add	6.30	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1274 Satin Nickel Finish, Stainless Kick Plate <small>(08 71 11 00-0892)</small>		
08 71 11 00-1275 EA 8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	145.00	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1276 EA 8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	154.66	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1277 EA 8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	164.40	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1278 EA 8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	174.06	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1279 EA 8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	186.35	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1280 EA 8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	196.04	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1281 EA 8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	205.75	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1282 EA 8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	215.44	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1283 EA 8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	227.63	10.85
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1284 EA 8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	237.38	10.85
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1285 EA 8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	247.06	10.85
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1286 EA 8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	259.34	11.48
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1287 EA 8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.02	11.48
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1288 EA 8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	278.74	11.48
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1289 EA 10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	171.65	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1290 EA 10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	183.80	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1291 EA 10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	195.89	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1292 EA 10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	208.01	9.57
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1293 EA 10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	222.69	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1294 EA 10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	234.84	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1295 EA 10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	246.93	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1296 EA 10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	259.05	10.21
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1297 EA 10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	273.74	10.85
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1298 EA 10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	285.86	10.85
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1299 EA 10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	297.95	10.85
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1300 EA 10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	312.69	11.48
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1301	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.78 1.76 11.40	11.48
08 71 11 00-1302	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.90 1.76 11.40	11.48
08 71 11 00-1303	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.33 1.76 11.40	9.57
08 71 11 00-1304	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.89 1.76 11.40	9.57
08 71 11 00-1305	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.41 1.76 11.40	9.57
08 71 11 00-1306	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.97 1.76 11.40	9.57
08 71 11 00-1307	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.05 1.76 11.40	10.21
08 71 11 00-1308	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.64 1.76 11.40	10.21
08 71 11 00-1309	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.19 1.76 11.40	10.21
08 71 11 00-1310	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.72 1.76 11.40	10.21
08 71 11 00-1311	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.82 1.76 11.40	10.85
08 71 11 00-1312	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.34 1.76 11.40	10.85
08 71 11 00-1313	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.87 1.76 11.40	10.85
08 71 11 00-1314	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	365.99 1.76 11.40	11.48
08 71 11 00-1315	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	380.58 1.76 11.40	11.48
08 71 11 00-1316	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	395.10 1.76 11.40	11.48
08 71 11 00-1317	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.53 1.76 11.40	10.21
08 71 11 00-1318	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.52 1.76 11.40	10.21
08 71 11 00-1319	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.48 1.76 11.40	10.21
08 71 11 00-1320	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.45 1.76 11.40	10.21
08 71 11 00-1321	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.95 1.76 11.40	10.85
08 71 11 00-1322	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	314.95 1.76 11.40	10.85
08 71 11 00-1323	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.91 1.76 11.40	10.85
08 71 11 00-1324	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	348.87 1.76 11.40	10.85
08 71 11 00-1325	EA		14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.43 1.76 11.40	11.48
08 71 11 00-1326	EA		14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.39 1.76 11.40	11.48
08 71 11 00-1327	EA		14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.35 1.76 11.40	11.48
08 71 11 00-1328	EA		14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	421.90 1.76 11.40	12.12



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1329	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	438.92	12.12
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1330	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	455.88	12.12
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1331	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	320.44	10.21
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1332	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	345.88	10.21
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1333	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	371.30	10.21
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1334	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	396.71	10.21
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1335	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	424.67	10.85
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1336	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	450.08	10.85
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1337	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	475.53	10.85
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1338	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	500.94	10.85
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1339	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	528.92	11.48
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1340	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	554.33	11.48
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1341	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	579.75	11.48
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1342	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	607.71	12.12
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1343	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	633.13	12.12
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1344	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	658.54	12.12
		<i>For Four Beveled Edges, Add</i>			1.76	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1345	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	354.48	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1346	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	383.03	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1347	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	411.51	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1348	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	440.05	10.21
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1349	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	471.07	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1350	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	499.59	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1351	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	528.10	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1352	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	556.61	10.85
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1353	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	587.66	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1354	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	616.20	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1355	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	644.74	11.48
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	
08 71 11 00-1356	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate		.....	675.78	12.12
		<i>For Four Beveled Edges, Add</i>			6.30	
		<i>For UL Label (Fire Rated), Add</i>			11.40	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1357	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	704.32 6.30 11.40	12.12
08 71 11 00-1358	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	732.80 6.30 11.40	12.12
08 71 11 00-1359	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.85 6.30 11.40	10.85
08 71 11 00-1360	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	423.58 6.30 11.40	10.85
08 71 11 00-1361	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	455.22 6.30 11.40	10.85
08 71 11 00-1362	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	486.96 6.30 11.40	10.85
08 71 11 00-1363	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	521.16 6.30 11.40	11.48
08 71 11 00-1364	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	552.83 6.30 11.40	11.48
08 71 11 00-1365	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	584.53 6.30 11.40	11.48
08 71 11 00-1366	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	616.20 6.30 11.40	11.48
08 71 11 00-1367	EA		20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	650.48 6.30 11.40	12.12
08 71 11 00-1368	EA		20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	682.12 6.30 11.40	12.12
08 71 11 00-1369	EA		20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	713.79 6.30 11.40	12.12
08 71 11 00-1370	EA		20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	748.04 6.30 11.40	12.77
08 71 11 00-1371	EA		20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	779.72 6.30 11.40	12.77
08 71 11 00-1372	EA		20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	811.42 6.30 11.40	12.77
08 71 11 00-1373	EA		22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	426.71 6.30 11.40	10.85
08 71 11 00-1374	EA		22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	461.60 6.30 11.40	10.85
08 71 11 00-1375	EA		22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	496.43 6.30 11.40	10.85
08 71 11 00-1376	EA		22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	531.26 6.30 11.40	10.85
08 71 11 00-1377	EA		22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	568.71 6.30 11.40	11.48
08 71 11 00-1378	EA		22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	603.54 6.30 11.40	11.48
08 71 11 00-1379	EA		22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	638.40 6.30 11.40	11.48
08 71 11 00-1380	EA		22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	673.23 6.30 11.40	11.48
08 71 11 00-1381	EA		22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	710.67 6.30 11.40	12.12
08 71 11 00-1382	EA		22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	745.49 6.30 11.40	12.12
08 71 11 00-1383	EA		22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	780.35 6.30 11.40	12.12
08 71 11 00-1384	EA		22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	817.73 6.30 11.40	12.77



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1385	EA		22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	852.56 6.30 11.40	12.77
08 71 11 00-1386	EA		22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	887.45 6.30 11.40	12.77
08 71 11 00-1387	EA		24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	461.60 6.30 11.40	10.85
08 71 11 00-1388	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	499.59 6.30 11.40	10.85
08 71 11 00-1389	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	537.61 6.30 11.40	10.85
08 71 11 00-1390	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	575.62 6.30 11.40	10.85
08 71 11 00-1391	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	616.20 6.30 11.40	11.48
08 71 11 00-1392	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	654.22 6.30 11.40	11.48
08 71 11 00-1393	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	692.29 6.30 11.40	11.48
08 71 11 00-1394	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	730.25 6.30 11.40	11.48
08 71 11 00-1395	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	770.82 6.30 11.40	12.12
08 71 11 00-1396	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	808.87 6.30 11.40	12.12
08 71 11 00-1397	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	846.88 6.30 11.40	12.12
08 71 11 00-1398	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	887.45 6.30 11.40	12.77
08 71 11 00-1399	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	925.47 6.30 11.40	12.77
08 71 11 00-1400	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	963.49 6.30 11.40	12.77
08 71 11 00-1401			Stainless Base Material Kick Plate (08 71 11 00-0763)		
08 71 11 00-1402			Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1401)		
08 71 11 00-1403	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.28 1.76 11.40	9.57
08 71 11 00-1404	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.22 1.76 11.40	9.57
08 71 11 00-1405	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.08 1.76 11.40	9.57
08 71 11 00-1406	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.06 1.76 11.40	9.57
08 71 11 00-1407	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.50 1.76 11.40	10.21
08 71 11 00-1408	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.36 1.76 11.40	10.21
08 71 11 00-1409	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.34 1.76 11.40	10.21
08 71 11 00-1410	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.22 1.76 11.40	10.21
08 71 11 00-1411	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.68 1.76 11.40	10.85
08 71 11 00-1412	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.60 1.76 11.40	10.85

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1413	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.49 1.76 11.40	10.85
08 71 11 00-1414	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.97 1.76 11.40	11.48
08 71 11 00-1415	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.89 1.76 11.40	11.48
08 71 11 00-1416	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.78 1.76 11.40	11.48
08 71 11 00-1417	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.28 1.76 11.40	9.57
08 71 11 00-1418	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.95 1.76 11.40	9.57
08 71 11 00-1419	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.59 1.76 11.40	9.57
08 71 11 00-1420	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.20 1.76 11.40	9.57
08 71 11 00-1421	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.42 1.76 11.40	10.21
08 71 11 00-1422	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.06 1.76 11.40	10.21
08 71 11 00-1423	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.67 1.76 11.40	10.21
08 71 11 00-1424	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.28 1.76 11.40	10.21
08 71 11 00-1425	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.52 1.76 11.40	10.85
08 71 11 00-1426	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.14 1.76 11.40	10.85
08 71 11 00-1427	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.75 1.76 11.40	10.85
08 71 11 00-1428	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.98 1.76 11.40	11.48
08 71 11 00-1429	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.62 1.76 11.40	11.48
08 71 11 00-1430	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.23 1.76 11.40	11.48
08 71 11 00-1431	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.31 1.76 11.40	9.57
08 71 11 00-1432	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.67 1.76 11.40	9.57
08 71 11 00-1433	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.04 1.76 11.40	9.57
08 71 11 00-1434	EA		12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.40 1.76 11.40	9.57
08 71 11 00-1435	EA		12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.28 1.76 11.40	10.21
08 71 11 00-1436	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.68 1.76 11.40	10.21
08 71 11 00-1437	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.01 1.76 11.40	10.21
08 71 11 00-1438	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.40 1.76 11.40	10.21
08 71 11 00-1439	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.28 1.76 11.40	10.85
08 71 11 00-1440	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.67 1.76 11.40	10.85



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1441	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.06 1.76 11.40	10.85
08 71 11 00-1442	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.95 1.76 11.40	11.48
08 71 11 00-1443	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.35 1.76 11.40	11.48
08 71 11 00-1444	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.68 1.76 11.40	11.48
08 71 11 00-1445	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.87 1.76 11.40	10.21
08 71 11 00-1446	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.95 1.76 11.40	10.21
08 71 11 00-1447	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.06 1.76 11.40	10.21
08 71 11 00-1448	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.15 1.76 11.40	10.21
08 71 11 00-1449	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.75 1.76 11.40	10.85
08 71 11 00-1450	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.86 1.76 11.40	10.85
08 71 11 00-1451	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.95 1.76 11.40	10.85
08 71 11 00-1452	EA		14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.06 1.76 11.40	10.85
08 71 11 00-1453	EA		14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.73 1.76 11.40	11.48
08 71 11 00-1454	EA		14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.76 1.76 11.40	11.48
08 71 11 00-1455	EA		14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.88 1.76 11.40	11.48
08 71 11 00-1456	EA		14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.54 1.76 11.40	12.12
08 71 11 00-1457	EA		14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.63 1.76 11.40	12.12
08 71 11 00-1458	EA		14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.74 1.76 11.40	12.12
08 71 11 00-1459	EA		16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.06 1.76 11.40	10.21
08 71 11 00-1460	EA		16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.56 1.76 11.40	10.21
08 71 11 00-1461	EA		16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.80 1.76 11.40	10.21
08 71 11 00-1462	EA		16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.01 1.76 11.40	10.21
08 71 11 00-1463	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.77 1.76 11.40	10.85
08 71 11 00-1464	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.01 1.76 11.40	10.85
08 71 11 00-1465	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.25 1.76 11.40	10.85
08 71 11 00-1466	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.46 1.76 11.40	10.85
08 71 11 00-1467	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.23 1.76 11.40	11.48
08 71 11 00-1468	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.50 1.76 11.40	11.48

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1469	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.74 1.76 11.40	11.48
08 71 11 00-1470	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.03 1.76 11.40	12.12
08 71 11 00-1471	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.72 1.76 11.40	12.12
08 71 11 00-1472	EA		16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.96 1.76 11.40	12.12
08 71 11 00-1473	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.17 6.30 11.40	10.21
08 71 11 00-1474	EA		18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.04 6.30 11.40	10.21
08 71 11 00-1475	EA		18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.86 6.30 11.40	10.21
08 71 11 00-1476	EA		18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.71 6.30 11.40	10.21
08 71 11 00-1477	EA		18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.13 6.30 11.40	10.85
08 71 11 00-1478	EA		18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.95 6.30 11.40	10.85
08 71 11 00-1479	EA		18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.79 6.30 11.40	10.85
08 71 11 00-1480	EA		18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.61 6.30 11.40	10.85
08 71 11 00-1481	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.05 6.30 11.40	11.48
08 71 11 00-1482	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.90 6.30 11.40	11.48
08 71 11 00-1483	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.72 6.30 11.40	11.48
08 71 11 00-1484	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.14 6.30 11.40	12.12
08 71 11 00-1485	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.02 6.30 11.40	12.12
08 71 11 00-1486	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.84 6.30 11.40	12.12
08 71 11 00-1487	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.09 6.30 11.40	10.85
08 71 11 00-1488	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.68 6.30 11.40	10.85
08 71 11 00-1489	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.31 6.30 11.40	10.85
08 71 11 00-1490	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.88 6.30 11.40	10.85
08 71 11 00-1491	EA		20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.07 6.30 11.40	11.48
08 71 11 00-1492	EA		20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.70 6.30 11.40	11.48
08 71 11 00-1493	EA		20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.27 6.30 11.40	11.48
08 71 11 00-1494	EA		20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.90 6.30 11.40	11.48
08 71 11 00-1495	EA		20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.05 6.30 11.40	12.12
08 71 11 00-1496	EA		20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.67 6.30 11.40	12.12



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1497	EA			20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.30 6.30 11.40	12.12
08 71 11 00-1498	EA			20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.42 6.30 11.40	12.77
08 71 11 00-1499	EA			20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.05 6.30 11.40	12.77
08 71 11 00-1500	EA			20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.65 6.30 11.40	12.77
08 71 11 00-1501	EA			22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.44 6.30 11.40	10.85
08 71 11 00-1502	EA			22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.84 6.30 11.40	10.85
08 71 11 00-1503	EA			22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.17 6.30 11.40	10.85
08 71 11 00-1504	EA			22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.57 6.30 11.40	10.85
08 71 11 00-1505	EA			22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.46 6.30 11.40	11.48
08 71 11 00-1506	EA			22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.86 6.30 11.40	11.48
08 71 11 00-1507	EA			22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.21 6.30 11.40	11.48
08 71 11 00-1508	EA			22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.59 6.30 11.40	11.48
08 71 11 00-1509	EA			22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.49 6.30 11.40	12.12
08 71 11 00-1510	EA			22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.87 6.30 11.40	12.12
08 71 11 00-1511	EA			22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.28 6.30 11.40	12.12
08 71 11 00-1512	EA			22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.15 6.30 11.40	12.77
08 71 11 00-1513	EA			22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.56 6.30 11.40	12.77
08 71 11 00-1514	EA			22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.88 6.30 11.40	12.77
08 71 11 00-1515	EA			24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.84 6.30 11.40	10.85
08 71 11 00-1516	EA			24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.95 6.30 11.40	10.85
08 71 11 00-1517	EA			24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.11 6.30 11.40	10.85
08 71 11 00-1518	EA			24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.21 6.30 11.40	10.85
08 71 11 00-1519	EA			24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.90 6.30 11.40	11.48
08 71 11 00-1520	EA			24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.03 6.30 11.40	11.48
08 71 11 00-1521	EA			24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.16 6.30 11.40	11.48
08 71 11 00-1522	EA			24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.29 6.30 11.40	11.48
08 71 11 00-1523	EA			24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.97 6.30 11.40	12.12
08 71 11 00-1524	EA			24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.10 6.30 11.40	12.12

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1525	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.23 6.30 11.40	12.12
08 71 11 00-1526	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.88 6.30 11.40	12.77
08 71 11 00-1527	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.04 6.30 11.40	12.77
08 71 11 00-1528	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.20 6.30 11.40	12.77
08 71 11 00-1529			Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1401)		
08 71 11 00-1530	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.62 1.76 11.40	9.57
08 71 11 00-1531	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.50 1.76 11.40	9.57
08 71 11 00-1532	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.33 1.76 11.40	9.57
08 71 11 00-1533	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.18 1.76 11.40	9.57
08 71 11 00-1534	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.55 1.76 11.40	10.21
08 71 11 00-1535	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.43 1.76 11.40	10.21
08 71 11 00-1536	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.25 1.76 11.40	10.21
08 71 11 00-1537	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.13 1.76 11.40	10.21
08 71 11 00-1538	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.46 1.76 11.40	10.85
08 71 11 00-1539	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.34 1.76 11.40	10.85
08 71 11 00-1540	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.23 1.76 11.40	10.85
08 71 11 00-1541	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.61 1.76 11.40	11.48
08 71 11 00-1542	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.46 1.76 11.40	11.48
08 71 11 00-1543	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.28 1.76 11.40	11.48
08 71 11 00-1544	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.46 1.76 11.40	9.57
08 71 11 00-1545	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.00 1.76 11.40	9.57
08 71 11 00-1546	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.59 1.76 11.40	9.57
08 71 11 00-1547	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.16 1.76 11.40	9.57
08 71 11 00-1548	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.24 1.76 11.40	10.21
08 71 11 00-1549	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.80 1.76 11.40	10.21
08 71 11 00-1550	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.40 1.76 11.40	10.21
08 71 11 00-1551	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.96 1.76 11.40	10.21
08 71 11 00-1552	EA		10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.04 1.76 11.40	10.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1553	EA			10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.60 1.76 11.40	10.85
08 71 11 00-1554	EA			10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.19 1.76 11.40	10.85
08 71 11 00-1555	EA			10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.26 1.76 11.40	11.48
08 71 11 00-1556	EA			10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.85 1.76 11.40	11.48
08 71 11 00-1557	EA			10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.42 1.76 11.40	11.48
08 71 11 00-1558	EA			12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.28 1.76 11.40	9.57
08 71 11 00-1559	EA			12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.58 1.76 11.40	9.57
08 71 11 00-1560	EA			12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.86 1.76 11.40	9.57
08 71 11 00-1561	EA			12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.14 1.76 11.40	9.57
08 71 11 00-1562	EA			12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.96 1.76 11.40	10.21
08 71 11 00-1563	EA			12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.18 1.76 11.40	10.21
08 71 11 00-1564	EA			12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.49 1.76 11.40	10.21
08 71 11 00-1565	EA			12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.76 1.76 11.40	10.21
08 71 11 00-1566	EA			12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.58 1.76 11.40	10.85
08 71 11 00-1567	EA			12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.86 1.76 11.40	10.85
08 71 11 00-1568	EA			12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.10 1.76 11.40	10.85
08 71 11 00-1569	EA			12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.97 1.76 11.40	11.48
08 71 11 00-1570	EA			12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.22 1.76 11.40	11.48
08 71 11 00-1571	EA			12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.49 1.76 11.40	11.48
08 71 11 00-1572	EA			14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.70 1.76 11.40	10.21
08 71 11 00-1573	EA			14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.69 1.76 11.40	10.21
08 71 11 00-1574	EA			14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.68 1.76 11.40	10.21
08 71 11 00-1575	EA			14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.66 1.76 11.40	10.21
08 71 11 00-1576	EA			14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.19 1.76 11.40	10.85
08 71 11 00-1577	EA			14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.15 1.76 11.40	10.85
08 71 11 00-1578	EA			14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.14 1.76 11.40	10.85
08 71 11 00-1579	EA			14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.10 1.76 11.40	10.85
08 71 11 00-1580	EA			14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.68 1.76 11.40	11.48

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1581	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.67 1.76 11.40	11.48
08 71 11 00-1582	EA		14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.66 1.76 11.40	11.48
08 71 11 00-1583	EA		14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.20 1.76 11.40	12.12
08 71 11 00-1584	EA		14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.13 1.76 11.40	12.12
08 71 11 00-1585	EA		14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.12 1.76 11.40	12.12
08 71 11 00-1586	EA		16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.51 1.76 11.40	10.21
08 71 11 00-1587	EA		16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.18 1.76 11.40	10.21
08 71 11 00-1588	EA		16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.94 1.76 11.40	10.21
08 71 11 00-1589	EA		16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.61 1.76 11.40	10.21
08 71 11 00-1590	EA		16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.86 1.76 11.40	10.85
08 71 11 00-1591	EA		16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.56 1.76 11.40	10.85
08 71 11 00-1592	EA		16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.23 1.76 11.40	10.85
08 71 11 00-1593	EA		16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.93 1.76 11.40	10.85
08 71 11 00-1594	EA		16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	306.20 1.76 11.40	11.48
08 71 11 00-1595	EA		16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.87 1.76 11.40	11.48
08 71 11 00-1596	EA		16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.57 1.76 11.40	11.48
08 71 11 00-1597	EA		16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	349.82 1.76 11.40	12.12
08 71 11 00-1598	EA		16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	363.56 1.76 11.40	12.12
08 71 11 00-1599	EA		16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.26 1.76 11.40	12.12
08 71 11 00-1600	EA		18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.36 6.30 11.40	10.21
08 71 11 00-1601	EA		18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.01 6.30 11.40	10.21
08 71 11 00-1602	EA		18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.54 6.30 11.40	10.21
08 71 11 00-1603	EA		18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.19 6.30 11.40	10.21
08 71 11 00-1604	EA		18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.32 6.30 11.40	10.85
08 71 11 00-1605	EA		18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.86 6.30 11.40	10.85
08 71 11 00-1606	EA		18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.51 6.30 11.40	10.85
08 71 11 00-1607	EA		18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.96 6.30 11.40	10.85
08 71 11 00-1608	EA		18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	342.25 6.30 11.40	11.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1609 EA 18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.85 6.30 11.40	11.48
08 71 11 00-1610 EA 18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	373.44 6.30 11.40	11.48
08 71 11 00-1611 EA 18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	391.58 6.30 11.40	12.12
08 71 11 00-1612 EA 18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	407.17 6.30 11.40	12.12
08 71 11 00-1613 EA 18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	422.77 6.30 11.40	12.12
08 71 11 00-1614 EA 20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.00 6.30 11.40	10.85
08 71 11 00-1615 EA 20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.31 6.30 11.40	10.85
08 71 11 00-1616 EA 20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.64 6.30 11.40	10.85
08 71 11 00-1617 EA 20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.95 6.30 11.40	10.85
08 71 11 00-1618 EA 20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.84 6.30 11.40	11.48
08 71 11 00-1619 EA 20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.21 6.30 11.40	11.48
08 71 11 00-1620 EA 20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	340.48 6.30 11.40	11.48
08 71 11 00-1621 EA 20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.85 6.30 11.40	11.48
08 71 11 00-1622 EA 20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.67 6.30 11.40	12.12
08 71 11 00-1623 EA 20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	395.04 6.30 11.40	12.12
08 71 11 00-1624 EA 20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	412.37 6.30 11.40	12.12
08 71 11 00-1625 EA 20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	432.23 6.30 11.40	12.77
08 71 11 00-1626 EA 20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	449.56 6.30 11.40	12.77
08 71 11 00-1627 EA 20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	466.87 6.30 11.40	12.77
08 71 11 00-1628 EA 22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.05 6.30 11.40	10.85
08 71 11 00-1629 EA 22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.10 6.30 11.40	10.85
08 71 11 00-1630 EA 22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.15 6.30 11.40	10.85
08 71 11 00-1631 EA 22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.19 6.30 11.40	10.85
08 71 11 00-1632 EA 22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.83 6.30 11.40	11.48
08 71 11 00-1633 EA 22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	350.91 6.30 11.40	11.48
08 71 11 00-1634 EA 22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.98 6.30 11.40	11.48
08 71 11 00-1635 EA 22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	389.03 6.30 11.40	11.48
08 71 11 00-1636 EA 22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	410.63 6.30 11.40	12.12

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1637 EA 22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.68 6.30 11.40	12.12
08 71 11 00-1638 EA 22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	448.72 6.30 11.40	12.12
08 71 11 00-1639 EA 22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	470.32 6.30 11.40	12.77
08 71 11 00-1640 EA 22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	489.43 6.30 11.40	12.77
08 71 11 00-1641 EA 22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	508.48 6.30 11.40	12.77
08 71 11 00-1642 EA 24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.10 6.30 11.40	10.85
08 71 11 00-1643 EA 24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.86 6.30 11.40	10.85
08 71 11 00-1644 EA 24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.68 6.30 11.40	10.85
08 71 11 00-1645 EA 24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.47 6.30 11.40	10.85
08 71 11 00-1646 EA 24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.85 6.30 11.40	11.48
08 71 11 00-1647 EA 24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	378.61 6.30 11.40	11.48
08 71 11 00-1648 EA 24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	399.40 6.30 11.40	11.48
08 71 11 00-1649 EA 24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	420.22 6.30 11.40	11.48
08 71 11 00-1650 EA 24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	443.56 6.30 11.40	12.12
08 71 11 00-1651 EA 24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	464.32 6.30 11.40	12.12
08 71 11 00-1652 EA 24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	485.14 6.30 11.40	12.12
08 71 11 00-1653 EA 24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	508.48 6.30 11.40	12.77
08 71 11 00-1654 EA 24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	529.29 6.30 11.40	12.77
08 71 11 00-1655 EA 24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	550.05 6.30 11.40	12.77
08 71 11 00-1656 Plastic Kick Plate <small>(08 71 11 00-0763)</small>		
08 71 11 00-1657 Clear Or Black Finish, Plastic Kick Plate <small>(08 71 11 00-1656)</small>		
Note: With four beveled edges.		
08 71 11 00-1658 EA 8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.02	9.57
08 71 11 00-1659 EA 8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.14	9.57
08 71 11 00-1660 EA 8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.34	9.57
08 71 11 00-1661 EA 8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.49	9.57
08 71 11 00-1662 EA 8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.21	10.21
08 71 11 00-1663 EA 8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.36	10.21
08 71 11 00-1664 EA 8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.48	10.21
08 71 11 00-1665 EA 8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.68	10.21
08 71 11 00-1666 EA 8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.98	10.85
08 71 11 00-1667 EA 8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.49	10.85
08 71 11 00-1668 EA 8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.69	10.85
08 71 11 00-1669 EA 8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.39	11.48
08 71 11 00-1670 EA 8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.57	11.48
08 71 11 00-1671 EA 8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.72	11.48
08 71 11 00-1672 EA 10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.94	9.57
08 71 11 00-1673 EA 10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.66	9.57
08 71 11 00-1674 EA 10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.33	9.57
08 71 11 00-1675 EA 10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.00	9.57
08 71 11 00-1676 EA 10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.28	10.21
08 71 11 00-1677 EA 10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.95	10.21
08 71 11 00-1678 EA 10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.67	10.21



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1679	EA		10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.34	10.21
08 71 11 00-1680	EA		10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.61	10.85
08 71 11 00-1681	EA		10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.28	10.85
08 71 11 00-1682	EA		10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.00	10.85
08 71 11 00-1683	EA		10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.23	11.48
08 71 11 00-1684	EA		10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.96	11.48
08 71 11 00-1685	EA		10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.63	11.48
08 71 11 00-1686	EA		12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.88	9.57
08 71 11 00-1687	EA		12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.13	9.57
08 71 11 00-1688	EA		12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.32	9.57
08 71 11 00-1689	EA		12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.60	9.57
08 71 11 00-1690	EA		12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.34	10.21
08 71 11 00-1691	EA		12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.62	10.21
08 71 11 00-1692	EA		12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.86	10.21
08 71 11 00-1693	EA		12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.08	10.21
08 71 11 00-1694	EA		12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.82	10.85
08 71 11 00-1695	EA		12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.07	10.85
08 71 11 00-1696	EA		12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.34	10.85
08 71 11 00-1697	EA		12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.10	11.48
08 71 11 00-1698	EA		12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.37	11.48
08 71 11 00-1699	EA		12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.56	11.48
08 71 11 00-1700	EA		14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.35	10.21
08 71 11 00-1701	EA		14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.15	10.21
08 71 11 00-1702	EA		14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.89	10.21
08 71 11 00-1703	EA		14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.69	10.21
08 71 11 00-1704	EA		14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.00	10.85
08 71 11 00-1705	EA		14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.75	10.85
08 71 11 00-1706	EA		14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.54	10.85
08 71 11 00-1707	EA		14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.34	10.85
08 71 11 00-1708	EA		14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.65	11.48
08 71 11 00-1709	EA		14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.44	11.48
08 71 11 00-1710	EA		14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.21	11.48
08 71 11 00-1711	EA		14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	131.51	12.12
08 71 11 00-1712	EA		14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.31	12.12
08 71 11 00-1713	EA		14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	139.05	12.12
08 71 11 00-1714	EA		16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.39	10.21
08 71 11 00-1715	EA		16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.37	10.21
08 71 11 00-1716	EA		16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.27	10.21
08 71 11 00-1717	EA		16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.24	10.21
08 71 11 00-1718	EA		16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.76	10.85
08 71 11 00-1719	EA		16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.71	10.85
08 71 11 00-1720	EA		16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	127.68	10.85
08 71 11 00-1721	EA		16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.61	10.85
08 71 11 00-1722	EA		16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.14	11.48
08 71 11 00-1723	EA		16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.09	11.48
08 71 11 00-1724	EA		16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.07	11.48
08 71 11 00-1725	EA		16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.59	12.12
08 71 11 00-1726	EA		16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	162.49	12.12
08 71 11 00-1727	EA		16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	167.47	12.12
08 71 11 00-1728	EA		18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.17	10.21
08 71 11 00-1729	EA		18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.78	10.21
08 71 11 00-1730	EA		18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	113.33	10.21
08 71 11 00-1731	EA		18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.94	10.21
08 71 11 00-1732	EA		18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.85	10.85
08 71 11 00-1733	EA		18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.61	10.85
08 71 11 00-1734	EA		18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.21	10.85
08 71 11 00-1735	EA		18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.76	10.85
08 71 11 00-1736	EA		18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.93	11.48
08 71 11 00-1737	EA		18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.51	11.48
08 71 11 00-1738	EA		18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.06	11.48
08 71 11 00-1739	EA		18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.21	12.12
08 71 11 00-1740	EA		18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	176.76	12.12
08 71 11 00-1741	EA		18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	182.37	12.12
08 71 11 00-1742	EA		20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.55	10.85
08 71 11 00-1743	EA		20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.76	10.85
08 71 11 00-1744	EA		20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.94	10.85
08 71 11 00-1745	EA		20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.14	10.85
08 71 11 00-1746	EA		20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.91	11.48
08 71 11 00-1747	EA		20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.09	11.48
08 71 11 00-1748	EA		20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.30	11.48
08 71 11 00-1749	EA		20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.51	11.48
08 71 11 00-1750	EA		20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.24	12.12
08 71 11 00-1751	EA		20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.44	12.12
08 71 11 00-1752	EA		20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.62	12.12
08 71 11 00-1753	EA		20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	187.38	12.77
08 71 11 00-1754	EA		20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	193.59	12.77
08 71 11 00-1755	EA		20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	199.77	12.77
08 71 11 00-1756	EA		22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.39	10.85
08 71 11 00-1757	EA		22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	125.17	10.85
08 71 11 00-1758	EA		22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.00	10.85
08 71 11 00-1759	EA		22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.79	10.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1760	EA		22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	148.21	11.48
08 71 11 00-1761	EA		22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	155.04	11.48
08 71 11 00-1762	EA		22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	161.83	11.48
08 71 11 00-1763	EA		22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	168.66	11.48
08 71 11 00-1764	EA		22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	178.00	12.12
08 71 11 00-1765	EA		22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	184.83	12.12
08 71 11 00-1766	EA		22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	191.67	12.12
08 71 11 00-1767	EA		22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	201.00	12.77
08 71 11 00-1768	EA		22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	207.83	12.77
08 71 11 00-1769	EA		22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	214.62	12.77
08 71 11 00-1770	EA		24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	125.17	10.85
08 71 11 00-1771	EA		24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	132.61	10.85
08 71 11 00-1772	EA		24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	140.07	10.85
08 71 11 00-1773	EA		24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	147.51	10.85
08 71 11 00-1774	EA		24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	157.51	11.48
08 71 11 00-1775	EA		24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	164.92	11.48
08 71 11 00-1776	EA		24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	172.35	11.48
08 71 11 00-1777	EA		24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	179.82	11.48
08 71 11 00-1778	EA		24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	189.81	12.12
08 71 11 00-1779	EA		24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	197.22	12.12
08 71 11 00-1780	EA		24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	204.66	12.12
08 71 11 00-1781	EA		24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	214.62	12.77
08 71 11 00-1782	EA		24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	222.11	12.77
08 71 11 00-1783	EA		24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	229.54	12.77
08 71 11 00-1784			Mop Plate (08 71 11 00-0762) Note: Ives 8400.		
08 71 11 00-1785			Aluminum Base Material Mop Plate (08 71 11 00-1784)		
08 71 11 00-1786			Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1785)		
08 71 11 00-1787	EA		4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	53.87	9.31
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1788	EA		4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	55.42	9.31
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1789	EA		4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	56.90	9.31
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1790	EA		4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	58.45	9.31
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1791	EA		4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	61.52	9.70
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1792	EA		4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	63.01	9.70
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1793	EA		4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	64.56	9.70
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1794	EA		4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	66.04	9.70
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1795	EA		4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	69.76	10.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1796	EA		4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	71.27	10.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1797	EA		4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	72.79	10.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1798	EA		4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	76.85	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1799	EA		4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	78.39	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1800	EA		4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	79.88	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1801	EA		6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	62.24	9.31
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1802	EA		6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	64.51	9.31
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1803	EA		6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	66.82	9.31
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1804	EA		6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.09 1.76 11.40	9.31
08 71 11 00-1805	EA		6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.92 1.76 11.40	9.70
08 71 11 00-1806	EA		6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.17 1.76 11.40	9.70
08 71 11 00-1807	EA		6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.50 1.76 11.40	9.70
08 71 11 00-1808	EA		6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.74 1.76 11.40	9.70
08 71 11 00-1809	EA		6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.22 1.76 11.40	10.21
08 71 11 00-1810	EA		6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.49 1.76 11.40	10.21
08 71 11 00-1811	EA		6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.79 1.76 11.40	10.21
08 71 11 00-1812	EA		6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.61 1.76 11.40	10.85
08 71 11 00-1813	EA		6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.91 1.76 11.40	10.85
08 71 11 00-1814	EA		6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.15 1.76 11.40	10.85
08 71 11 00-1815 Brass Base Material Mop Plate (08 71 11 00-1784)					
08 71 11 00-1816 Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1815)					
08 71 11 00-1817	EA		4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.31 1.76 11.40	9.31
08 71 11 00-1818	EA		4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.82 1.76 11.40	9.31
08 71 11 00-1819	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.28 1.76 11.40	9.31
08 71 11 00-1820	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.77 1.76 11.40	9.31
08 71 11 00-1821	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.76 1.76 11.40	9.70
08 71 11 00-1822	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.22 1.76 11.40	9.70
08 71 11 00-1823	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.71 1.76 11.40	9.70
08 71 11 00-1824	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.17 1.76 11.40	9.70
08 71 11 00-1825	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.83 1.76 11.40	10.21
08 71 11 00-1826	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.29 1.76 11.40	10.21
08 71 11 00-1827	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.74 1.76 11.40	10.21
08 71 11 00-1828	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.77 1.76 11.40	10.85
08 71 11 00-1829	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.23 1.76 11.40	10.85
08 71 11 00-1830	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.75 1.76 11.40	10.85
08 71 11 00-1831	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.95 1.76 11.40	9.31

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1832	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	117.64	9.31
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1833	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	124.36	9.31
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1834	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	131.04	9.31
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1835	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	139.29	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1836	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	146.04	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1837	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	152.70	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1838	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	159.45	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1839	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	168.28	10.21
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1840	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	175.02	10.21
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1841	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	181.74	10.21
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1842	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	190.97	10.85
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1843	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	197.69	10.85
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1844	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	204.38	10.85
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1845		Bright/Satin Chrome Finish, Stainless Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1846	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	91.22	9.31
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1847	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	96.12	9.31
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1848	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	101.04	9.31
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1849	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	105.96	9.31
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1850	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	112.38	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1851	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	117.31	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1852	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	122.23	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1853	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	127.12	9.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1854	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	134.21	10.21
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1855	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	139.17	10.21
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1856	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	144.09	10.21
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1857	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	151.55	10.85
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1858	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	156.44	10.85
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1859	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	161.36	10.85
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1860	EA		6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.25 1.76 11.40	9.31
08 71 11 00-1861	EA		6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.59 1.76 11.40	9.31
08 71 11 00-1862	EA		6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.99 1.76 11.40	9.31
08 71 11 00-1863	EA		6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.39 1.76 11.40	9.31
08 71 11 00-1864	EA		6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.26 1.76 11.40	9.70
08 71 11 00-1865	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.65 1.76 11.40	9.70
08 71 11 00-1866	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.99 1.76 11.40	9.70
08 71 11 00-1867	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.39 1.76 11.40	9.70
08 71 11 00-1868	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.96 1.76 11.40	10.21
08 71 11 00-1869	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.30 1.76 11.40	10.21
08 71 11 00-1870	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.70 1.76 11.40	10.21
08 71 11 00-1871	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.58 1.76 11.40	10.85
08 71 11 00-1872	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.97 1.76 11.40	10.85
08 71 11 00-1873	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.34 1.76 11.40	10.85
08 71 11 00-1874			Satin/Dark Bronze Finish, Brass Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1875	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.12 1.76 11.40	9.31
08 71 11 00-1876	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.11 1.76 11.40	9.31
08 71 11 00-1877	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.12 1.76 11.40	9.31
08 71 11 00-1878	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.10 1.76 11.40	9.31
08 71 11 00-1879	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.64 1.76 11.40	9.70
08 71 11 00-1880	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.65 1.76 11.40	9.70
08 71 11 00-1881	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.67 1.76 11.40	9.70
08 71 11 00-1882	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.68 1.76 11.40	9.70
08 71 11 00-1883	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.80 1.76 11.40	10.21
08 71 11 00-1884	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.81 1.76 11.40	10.21
08 71 11 00-1885	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.83 1.76 11.40	10.21
08 71 11 00-1886	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.38 1.76 11.40	10.85
08 71 11 00-1887	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.39 1.76 11.40	10.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1888	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.34 1.76 11.40	10.85
08 71 11 00-1889	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.60 1.76 11.40	9.31
08 71 11 00-1890	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.15 1.76 11.40	9.31
08 71 11 00-1891	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.64 1.76 11.40	9.31
08 71 11 00-1892	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.72 1.76 11.40	9.31
08 71 11 00-1893	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.14 1.76 11.40	9.70
08 71 11 00-1894	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.63 1.76 11.40	9.70
08 71 11 00-1895	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.12 1.76 11.40	9.70
08 71 11 00-1896	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.61 1.76 11.40	9.70
08 71 11 00-1897	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.33 1.76 11.40	10.21
08 71 11 00-1898	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.81 1.76 11.40	10.21
08 71 11 00-1899	EA		6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.30 1.76 11.40	10.21
08 71 11 00-1900	EA		6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.33 1.76 11.40	10.85
08 71 11 00-1901	EA		6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.82 1.76 11.40	10.85
08 71 11 00-1902	EA		6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.31 1.76 11.40	10.85
08 71 11 00-1903			Satin Nickel Finish, Stainless Mop Plate <small>(08 71 11 00-1815)</small>		
08 71 11 00-1904	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.08 1.76 11.40	9.31
08 71 11 00-1905	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.11 1.76 11.40	9.31
08 71 11 00-1906	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.23 1.76 11.40	9.31
08 71 11 00-1907	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.32 1.76 11.40	9.31
08 71 11 00-1908	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.94 1.76 11.40	9.70
08 71 11 00-1909	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.00 1.76 11.40	9.70
08 71 11 00-1910	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.09 1.76 11.40	9.70
08 71 11 00-1911	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.18 1.76 11.40	9.70
08 71 11 00-1912	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.48 1.76 11.40	10.21
08 71 11 00-1913	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.54 1.76 11.40	10.21
08 71 11 00-1914	EA		4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.60 1.76 11.40	10.21
08 71 11 00-1915	EA		4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.26 1.76 11.40	10.85



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1916 EA 4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.35 1.76 11.40	10.85
08 71 11 00-1917 EA 4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.38 1.76 11.40	10.85
08 71 11 00-1918 EA 6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.03 1.76 11.40	9.31
08 71 11 00-1919 EA 6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.65 1.76 11.40	9.31
08 71 11 00-1920 EA 6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.28 1.76 11.40	9.31
08 71 11 00-1921 EA 6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.90 1.76 11.40	9.31
08 71 11 00-1922 EA 6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.05 1.76 11.40	9.70
08 71 11 00-1923 EA 6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.67 1.76 11.40	9.70
08 71 11 00-1924 EA 6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.29 1.76 11.40	9.70
08 71 11 00-1925 EA 6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.94 1.76 11.40	9.70
08 71 11 00-1926 EA 6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.73 1.76 11.40	10.21
08 71 11 00-1927 EA 6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.38 1.76 11.40	10.21
08 71 11 00-1928 EA 6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.01 1.76 11.40	10.21
08 71 11 00-1929 EA 6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.17 1.76 11.40	10.85
08 71 11 00-1930 EA 6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.79 1.76 11.40	10.85
08 71 11 00-1931 EA 6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.44 1.76 11.40	10.85
08 71 11 00-1932 Stainless Base Material Mop Plate (08 71 11 00-1784)		
08 71 11 00-1933 Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1932)		
08 71 11 00-1934 EA 4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.32 1.76 11.40	9.31
08 71 11 00-1935 EA 4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.93 1.76 11.40	9.31
08 71 11 00-1936 EA 4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.60 1.76 11.40	9.31
08 71 11 00-1937 EA 4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.23 1.76 11.40	9.31
08 71 11 00-1938 EA 4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.43 1.76 11.40	9.70
08 71 11 00-1939 EA 4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.10 1.76 11.40	9.70
08 71 11 00-1940 EA 4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.70 1.76 11.40	9.70
08 71 11 00-1941 EA 4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.37 1.76 11.40	9.70
08 71 11 00-1942 EA 4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.18 1.76 11.40	10.21
08 71 11 00-1943 EA 4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.84 1.76 11.40	10.21

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1944	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	75.51	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1945	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	79.66	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1946	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	81.33	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1947	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	82.96	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1948	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	64.34	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1949	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	66.84	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1950	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	69.31	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1951	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	71.81	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1952	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	75.78	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1953	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	78.25	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1954	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	80.75	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1955	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	83.22	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1956	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	87.89	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1957	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	90.33	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1958	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	92.80	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1959	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	97.84	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1960	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	100.28	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1961	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	102.78	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1962			Bright Stainless Finish, Stainless Mop Plate <small>(08 71 11 00-1932)</small>		
08 71 11 00-1963	EA		4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	77.02	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1964	EA		4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	80.66	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1965	EA		4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	84.31	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1966	EA		4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	87.90	9.31
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1967	EA		4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	93.07	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1968	EA		4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	96.69	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1969	EA		4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	100.34	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1970	EA		4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	103.98	9.70
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1971	EA		4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	109.74	10.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1972	EA		4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.39 1.76 11.40	10.21
08 71 11 00-1973	EA		4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.03 1.76 11.40	10.21
08 71 11 00-1974	EA		4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.19 1.76 11.40	10.85
08 71 11 00-1975	EA		4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.84 1.76 11.40	10.85
08 71 11 00-1976	EA		4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.42 1.76 11.40	10.85
08 71 11 00-1977	EA		6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.95 1.76 11.40	9.31
08 71 11 00-1978	EA		6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.45 1.76 11.40	9.31
08 71 11 00-1979	EA		6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.89 1.76 11.40	9.31
08 71 11 00-1980	EA		6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.33 1.76 11.40	9.31
08 71 11 00-1981	EA		6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.27 1.76 11.40	9.70
08 71 11 00-1982	EA		6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.71 1.76 11.40	9.70
08 71 11 00-1983	EA		6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.15 1.76 11.40	9.70
08 71 11 00-1984	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.60 1.76 11.40	9.70
08 71 11 00-1985	EA		6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.24 1.76 11.40	10.21
08 71 11 00-1986	EA		6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.68 1.76 11.40	10.21
08 71 11 00-1987	EA		6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.12 1.76 11.40	10.21
08 71 11 00-1988	EA		6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.10 1.76 11.40	10.85
08 71 11 00-1989	EA		6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.51 1.76 11.40	10.85
08 71 11 00-1990	EA		6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.95 1.76 11.40	10.85
08 71 11 00-1991			Plastic Mop Plate <small>(08 71 11 00-1784)</small>		
08 71 11 00-1992			Clear Or Black Finish, Plastic Mop Plate <small>(08 71 11 00-1991)</small> Note: With four beveled edges.		
08 71 11 00-1993	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	51.42	9.31
08 71 11 00-1994	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	52.72	9.31
08 71 11 00-1995	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	54.04	9.31
08 71 11 00-1996	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	55.33	9.31
08 71 11 00-1997	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	58.16	9.70
08 71 11 00-1998	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	59.45	9.70
08 71 11 00-1999	EA		4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	60.74	9.70
08 71 11 00-2000	EA		4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	62.06	9.70
08 71 11 00-2001	EA		4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	65.53	10.21
08 71 11 00-2002	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	66.82	10.21
08 71 11 00-2003	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	68.11	10.21

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2004	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	71.95	10.85
08 71 11 00-2005	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	73.27	10.85
08 71 11 00-2006	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	74.56	10.85
08 71 11 00-2007	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	58.57	9.31
08 71 11 00-2008	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	60.53	9.31
08 71 11 00-2009	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	62.47	9.31
08 71 11 00-2010	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	64.41	9.31
08 71 11 00-2011	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	67.91	9.70
08 71 11 00-2012	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	69.85	9.70
08 71 11 00-2013	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	71.79	9.70
08 71 11 00-2014	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	73.73	9.70
08 71 11 00-2015	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	77.87	10.21
08 71 11 00-2016	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.81	10.21
08 71 11 00-2017	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.75	10.21
08 71 11 00-2018	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	86.26	10.85
08 71 11 00-2019	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	88.20	10.85
08 71 11 00-2020	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	90.14	10.85
08 71 11 00-2021		Armor Door Plate <small>(08 71 11 00-0762)</small>		
		Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.75	1.59
08 71 11 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	29.34	1.24
08 71 11 00-2024	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	33.77	1.59
08 71 11 00-2025	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	32.36	1.24
08 71 11 00-2026	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	68.76	1.59
08 71 11 00-2027	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	67.35	1.24
08 71 11 00-2028		Pull Handle And Plates <small>(08 71 11 00-0762)</small>		
08 71 11 00-2029		Pull Handle <small>(08 71 11 00-2028)</small>		
08 71 11 00-2030	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	66.68 10.32 14.00	10.53
08 71 11 00-2031	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	69.87 11.66 15.82	10.53
08 71 11 00-2032	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	74.90 13.77 18.69	10.53
08 71 11 00-2033	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	77.69 14.94 20.28	10.53
08 71 11 00-2034	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	82.74 17.06 23.16	10.53
08 71 11 00-2035	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	89.26 19.80 26.88	10.53
08 71 11 00-2036	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	70.11 11.76 15.96	10.53
08 71 11 00-2037	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	77.07 14.68 19.93	10.53
08 71 11 00-2038	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	78.21 15.16 20.58	10.53
08 71 11 00-2039	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	148.49 20.11 18.51	10.53
08 71 11 00-2040	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	152.79 20.92 19.26	10.53



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2041	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	161.44 22.55 20.76	10.53
08 71 11 00-2042	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	211.56 32.03 29.48	10.53
08 71 11 00-2043			Pull Plate (08 71 11 00-2028)		
08 71 11 00-2044	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	101.94 41.32 52.53	7.97
08 71 11 00-2045	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	104.38 42.76 54.36	7.97
08 71 11 00-2046	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	109.93 46.04 58.52	7.97
08 71 11 00-2047			Push Bars And Plates (08 71 11 00-0762)		
08 71 11 00-2048			Push Bars (08 71 11 00-2047)		
08 71 11 00-2049	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	273.53	7.97
08 71 11 00-2050	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	269.08 41.27	7.97
08 71 11 00-2051	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	279.03 43.00	7.97
08 71 11 00-2052	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide <i>For Brass Push Bar, Add</i>	526.16 86.00	7.97
08 71 11 00-2053			Push Plates (08 71 11 00-2047)		
08 71 11 00-2054			Aluminum Push Plates (08 71 11 00-2053)		
08 71 11 00-2055			Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2054) Note: Ives 8200 Series.		
08 71 11 00-2056	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	49.50	7.97
08 71 11 00-2057	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	49.50	7.97
08 71 11 00-2058	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	49.50	7.97
08 71 11 00-2059	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	53.95	7.97
08 71 11 00-2060			Stainless Steel Push Plates (08 71 11 00-2053)		
08 71 11 00-2061			Satin Finish, Stainless Steel Push Plates (08 71 11 00-2060) Note: Ives 8200 Series.		
08 71 11 00-2062	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	49.50	7.97
08 71 11 00-2063	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	52.92	7.97
08 71 11 00-2064	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	60.74	7.97
08 71 11 00-2065	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	72.31	7.97
08 71 11 00-2066			Brass Push Plates (08 71 11 00-2053)		
08 71 11 00-2067			Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2066) Note: Ives 8200 Series.		
08 71 11 00-2068	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	59.95	7.97
08 71 11 00-2069	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	68.74	7.97
08 71 11 00-2070	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	89.91	7.97
08 71 11 00-2071	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	103.81	7.97
08 71 11 00-2072			Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2066) Note: Ives 8200 Series.		
08 71 11 00-2073	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	66.98	7.97
08 71 11 00-2074	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	74.12	7.97
08 71 11 00-2075	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	93.51	7.97
08 71 11 00-2076	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	112.63	7.97
08 71 11 00-2077			Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2066) Note: Ives 8200 Series.		
08 71 11 00-2078	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	66.98	7.97
08 71 11 00-2079	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	74.12	7.97
08 71 11 00-2080	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	96.93	7.97
08 71 11 00-2081	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	114.53	7.97
08 71 11 00-2082			Satin Nickel Finish, Brass Push Plates (08 71 11 00-2066) Note: Ives 8200 Series.		

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2083	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware		66.98	7.97
08 71 11 00-2084	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware		75.91	7.97
08 71 11 00-2085	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware		102.35	7.97
08 71 11 00-2086	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware		119.95	7.97
08 71 11 00-2087		Exit Devices <small>(08 71 11)</small>			
08 71 11 00-2088		Push Bar Exit Device, Von Duprin Series 22 <small>(08 71 11 00-2087)</small>			
		Note: Grade 1, BHMA 156.3.			
08 71 11 00-2089	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22).....		816.93	143.56
		Note: Anodized finish: aluminum or dark brown.			
		<i>For 4' Push Bar, Add</i>		13.87	
08 71 11 00-2090	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F).....		902.82	143.56
		Note: Anodized finish: aluminum or dark brown.			
		<i>For 4' Push Bar, Add</i>		13.87	
08 71 11 00-2091	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227).....		1,171.54	172.27
		Note: Anodized finish: aluminum or dark brown.			
		<i>For 4' Push Bar, Add</i>		13.87	
08 71 11 00-2092	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F).....		1,385.48	159.51
		Note: Anodized finish: aluminum or dark brown.			
		<i>For 4' Push Bar, Add</i>		13.87	
08 71 11 00-2093	EA	Dummy Trim (Von Duprin Series 22, 210DT)		112.35	23.93
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2094	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)		235.39	31.90
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2095	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)		436.10	47.85
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2096	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)		432.14	47.85
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2097	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP).....		431.15	47.85
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2098	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE).....		346.50	47.85
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2099	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO).....		140.18	19.14
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2100	EA	Dummy Trim (Von Duprin Series 22, 230DT)		162.85	23.93
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2101	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)		287.88	31.90
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2102	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE).....		342.54	47.85
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2103	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE).....		341.55	47.85
		Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2104		Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 <small>(08 71 11 00-2087)</small>			
		Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.			
08 71 11 00-2105	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)		1,637.05	143.56
		Note: Aluminum anodized finish.			
		<i>For 4' Push Bar, Add</i>		13.87	
		<i>For Accessible Device (AX), Add</i>		125.42	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>		128.43	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>		121.03	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>		47.66	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>		366.23	
08 71 11 00-2106	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527)		2,223.17	172.27
		Note: Aluminum anodized finish.			
		<i>For 4' Push Bar, Add</i>		13.87	
		<i>For Accessible Device (AX), Add</i>		176.38	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>		180.61	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>		170.20	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>		67.02	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>		515.02	
08 71 11 00-2107	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F).....		2,265.90	172.27
		Note: Aluminum anodized finish.			
		<i>For 4' Push Bar, Add</i>		13.87	
		<i>For Accessible Device (AX), Add</i>		180.65	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>		184.99	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>		174.33	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>		68.65	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>		527.50	
08 71 11 00-2108	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547)		2,309.10	197.80
		Note: Aluminum anodized finish.			
		<i>For 4' Push Bar, Add</i>		13.87	
		<i>For Accessible Device (AX), Add</i>		177.95	
		<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>		182.22	
		<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>		171.72	
		<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>		67.62	
		<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>		519.62	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2109	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F).....	2,419.34	197.80
			Note: Aluminum anodized finish.		
			For 4' Push Bar, Add	13.87	
			For Accessible Device (AX), Add	188.98	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	193.51	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	182.36	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	71.81	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	551.81	
08 71 11 00-2110	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548)	2,573.44	197.80
			Note: Aluminum anodized finish.		
			For 4' Push Bar, Add	13.87	
			For Accessible Device (AX), Add	204.39	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	209.29	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	197.23	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	77.67	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	596.81	
08 71 11 00-2111	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F).....	2,683.68	197.80
			Note: Aluminum anodized finish.		
			For 4' Push Bar, Add	13.87	
			For Accessible Device (AX), Add	215.41	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	220.58	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	207.87	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	81.86	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	629.00	
08 71 11 00-2112	EA		Dummy Trim (Von Duprin Series 33/35, DT).....	365.26	23.93
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	29.09	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.46	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	88.02	
08 71 11 00-2113	EA		Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP).....	419.82	31.90
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	31.89	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.56	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	96.50	
08 71 11 00-2114	EA		Night Latch With Cylinder (Von Duprin Series 33/35, NL).....	670.05	31.90
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	56.04	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	22.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	169.57	
08 71 11 00-2115	EA		Lever Trim With Cylinder (Von Duprin Series 33/35, 360L).....	687.57	47.85
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	54.04	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.28	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	163.51	
08 71 11 00-2116	EA		Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE).....	811.13	47.85
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	65.96	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.97	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	199.59	
08 71 11 00-2117	EA		Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT).....	795.55	47.85
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	64.46	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.38	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	195.04	
08 71 11 00-2118	EA		Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T).....	802.83	47.85
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	65.16	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.66	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	197.16	
08 71 11 00-2119			Push Bar Exit Device, Von Duprin Series 98/99 (08 71 11 00-2087)		
			Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2120	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99).....	1,578.40	143.56
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.93	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	115.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	185.31	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	379.00	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	119.56	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	175.75	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	119.56	

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2121	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F).....	1,787.53		143.56
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.69		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	136.26		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	217.73		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	445.29		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	140.47		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	206.49		
		For Quiet Electric Latch Retraction (QEL), Add	833.54		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03		
		For Safety Glow Touchpad, Add	292.35		
		For Accessible Device (AX), Add	140.47		
08 71 11 00-2122	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,432.72		143.56
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.04		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	101.84		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	162.73		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	332.82		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	104.99		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	154.33		
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65		
		For Special Center Case Dogging (SD), Add	262.29		
		For Cylinder Dogging Indicator (CI), Add	174.58		
		For Dogging Indicator (DI), Add	160.38		
		For Quiet Electric Latch Retraction (QEL), Add	833.54		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03		
		For Safety Glow Touchpad, Add	292.35		
		For Accessible Device (AX), Add	104.99		
08 71 11 00-2123	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)	1,593.17		143.56
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	73.83		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	117.40		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	187.60		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	383.68		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	121.03		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	177.92		
		For Quiet Electric Latch Retraction (QEL), Add	833.54		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03		
		For Safety Glow Touchpad, Add	292.35		
		For Accessible Device (AX), Add	121.03		
08 71 11 00-2124	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927).....	2,244.55		172.27
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	108.89		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	173.16		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	276.70		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	565.90		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	178.52		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	262.42		
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65		
		For Special Center Case Dogging (SD), Add	262.29		
		For Cylinder Dogging Indicator (CI), Add	174.58		
		For Dogging Indicator (DI), Add	160.38		
		For Quiet Electric Latch Retraction (QEL), Add	833.54		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03		
		For Safety Glow Touchpad, Add	292.35		
		For Accessible Device (AX), Add	178.52		
08 71 11 00-2125	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)	2,528.01		172.27
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.			
		For 4' Push Bar, Add	13.00		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	126.19		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	200.66		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	320.64		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	655.75		
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	206.86		
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	304.09		
		For Quiet Electric Latch Retraction (QEL), Add	833.54		
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03		
		For Safety Glow Touchpad, Add	292.35		
		For Accessible Device (AX), Add	206.86		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2126 EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947).....	2,361.35	197.80
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	170.35	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	177.68	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	283.92	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	580.67	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.18	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	269.27	
For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
For Special Center Case Dogging (SD), Add	262.29	
For Cylinder Dogging Indicator (CI), Add	174.58	
For Dogging Indicator (DI), Add	160.38	
For Quiet Electric Latch Retraction (QEL), Add	833.54	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
For Safety Glow Touchpad, Add	292.35	
For Accessible Device (AX), Add	183.18	
08 71 11 00-2127 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F)	2,651.11	197.80
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	197.30	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	205.79	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	328.84	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	672.53	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.15	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	311.86	
For Quiet Electric Latch Retraction (QEL), Add	833.54	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
For Safety Glow Touchpad, Add	292.35	
For Accessible Device (AX), Add	212.15	
08 71 11 00-2128 EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948).....	2,657.40	197.80
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	197.89	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	206.40	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	329.81	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	674.52	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.78	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	312.79	
For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
For Special Center Case Dogging (SD), Add	262.29	
For Cylinder Dogging Indicator (CI), Add	174.58	
For Dogging Indicator (DI), Add	160.38	
For Quiet Electric Latch Retraction (QEL), Add	833.54	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
For Safety Glow Touchpad, Add	292.35	
For Accessible Device (AX), Add	212.78	
08 71 11 00-2129 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F)	2,430.28	197.80
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	176.77	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	184.37	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	294.61	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	602.52	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	190.07	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	279.40	
For Quiet Electric Latch Retraction (QEL), Add	833.54	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
For Safety Glow Touchpad, Add	292.35	
For Accessible Device (AX), Add	190.07	
08 71 11 00-2130 EA 3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC)	2,135.12	197.80
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	149.32	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	155.74	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	248.86	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	508.96	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	160.55	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	236.01	
For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
For Special Center Case Dogging (SD), Add	262.29	
For Cylinder Dogging Indicator (CI), Add	174.58	
For Dogging Indicator (DI), Add	160.38	
For Quiet Electric Latch Retraction (QEL), Add	833.54	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
For Safety Glow Touchpad, Add	292.35	
For Accessible Device (AX), Add	160.55	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2131	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F).....	2,391.65	197.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	173.17	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	180.62	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	288.62	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	590.28	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	186.21	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	273.72	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	186.21	
08 71 11 00-2132	EA		3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957).....	2,296.70	172.27
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	112.08	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	178.22	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	284.78	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	582.43	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.73	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	270.08	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	183.73	
08 71 11 00-2133	EA		3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F).....	2,444.28	172.27
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	121.08	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	192.53	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	307.66	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	629.21	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	198.49	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	291.78	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	198.49	
08 71 11 00-2134	EA		3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975).....	2,225.90	178.65
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.65	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	169.49	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	270.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	553.92	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	174.74	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	256.86	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	174.74	
08 71 11 00-2135	EA		3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....	2,438.79	178.65
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.53	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	190.15	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	303.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	621.40	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	196.03	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	288.16	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	196.03	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2136	EA		3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949).....	2,040.03	197.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	140.47	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.51	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	234.12	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	478.81	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	151.05	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	222.04	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	151.05	
08 71 11 00-2137	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F)	2,206.42	197.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	155.95	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	162.65	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	259.91	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	531.56	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	167.68	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	246.50	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	167.68	
08 71 11 00-2138	EA		3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,212.37	197.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	156.50	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	163.23	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	260.83	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	533.44	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	168.28	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	247.37	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	168.28	
08 71 11 00-2139	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,509.51	197.80
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	184.13	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	192.05	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	306.89	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	627.64	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	197.99	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	291.05	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	197.99	
08 71 11 00-2140	EA		3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99).....	3,473.95	165.89
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	469.23	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	959.66	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	302.73	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	112.62	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	126.54	
			For Center Case Dogging (CD-CX), Add	283.16	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
			For Accessible Device (AX), Add	302.73	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F).....	3,683.08	165.89
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	501.65	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,025.95	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	323.65	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.40	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	135.28	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
		For Accessible Device (AX), Add	323.65	
08 71 11 00-2142	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	4,134.22	204.18
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	554.76	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,134.58	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	357.91	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	133.14	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	149.61	
		For Center Case Dogging (CD-CX), Add	283.16	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
		For Accessible Device (AX), Add	357.91	
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F).....	4,347.13	204.18
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	587.76	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,202.07	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	379.20	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	141.06	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	158.51	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
		For Accessible Device (AX), Add	379.20	
08 71 11 00-2144	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	2,239.35	165.89
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	277.87	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	568.29	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	179.27	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	66.69	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.90	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
		For Accessible Device (AX), Add	179.27	
08 71 11 00-2145	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,448.48	165.89
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	310.29	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	634.59	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	200.19	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	74.47	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	114.91	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
		For Accessible Device (AX), Add	200.19	
08 71 11 00-2146	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975).....	2,899.62	204.18
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	363.40	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	743.21	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	234.45	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	87.22	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.58	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
		For Accessible Device (AX), Add	234.45	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2147 EA 3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	3,112.51	204.18
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 626) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	396.40	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	810.70	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	255.74	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	95.14	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.80	
For Quiet Electric Latch Retraction (QEL), Add	833.54	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
For Safety Glow Touchpad, Add	292.35	
For Accessible Device (AX), Add	255.74	
08 71 11 00-2148 EA Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	184.91	19.14
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.02	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.02	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.76	
08 71 11 00-2149 EA Dummy Trim (Von Duprin Series 98/99, 990DT).....	272.05	23.93
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.25	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.37	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.40	
08 71 11 00-2150 EA Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	402.04	31.90
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.38	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.07	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.16	
08 71 11 00-2151 EA Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	312.44	31.90
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.69	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.04	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	37.93	
08 71 11 00-2152 EA Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	698.49	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	17.13	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.69	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	97.05	
08 71 11 00-2153 EA Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L).....	608.90	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	14.44	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	81.82	
08 71 11 00-2154 EA Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE).....	608.90	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	14.44	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	81.82	
08 71 11 00-2155 EA Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL).....	592.25	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.94	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.91	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	78.99	
08 71 11 00-2156 EA Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL).....	502.65	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.25	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.88	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	63.76	
08 71 11 00-2157 EA Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT).....	502.65	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.25	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.88	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	63.76	
08 71 11 00-2158 EA Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K).....	575.26	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.43	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.14	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	76.10	
08 71 11 00-2159 EA Knob Trim Without Cylinder (Von Duprin Series 98/99, K).....	485.66	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.74	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.11	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	60.87	
08 71 11 00-2160 EA Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE).....	485.66	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.74	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.11	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	60.87	
08 71 11 00-2161 EA Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL).....	565.70	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.14	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.71	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	74.48	
08 71 11 00-2162 EA Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL).....	476.10	47.85
Note: Satin chrome plated US26D (BHMA 626) finish.		
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.45	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.68	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	59.24	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2163	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT).....	476.10		47.85
		Note: Satin chrome plated US26D (BHMA 626) finish.			
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.45		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	15.68		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	59.24		
08 71 11 00-2164	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	513.63		47.85
		Note: Satin chrome plated US26D (BHMA 626) finish.			
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.58		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.37		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	65.62		
08 71 11 00-2165	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP).....	424.03		47.85
		Note: Satin chrome plated US26D (BHMA 626) finish.			
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.89		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.34		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.39		
08 71 11 00-2166	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE).....	424.03		47.85
		Note: Satin chrome plated US26D (BHMA 626) finish.			
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.89		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.34		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.39		
08 71 11 00-2167	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	423.81		47.85
		Note: Satin chrome plated US26D (BHMA 626) finish.			
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.89		
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.33		
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.35		
08 71 11 00-2168		Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 11 00-2087)			
08 71 11 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	990.28		47.85
08 71 11 00-2170	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	846.71		47.85
		For Battery Backup (Includes Board And 2 Batteries), Add	59.40		
		For Fire Alarm Interface, Add	29.70		
		For 2 Relay Panic Device Control Board, Add	68.91		
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	80.78		
		For 4 Relay Output Board, Add	66.53		
		For 4 Relay Logic Board, Add	182.47		
		For Fused 8 Zone Distribution Board, Add	23.76		
08 71 11 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	790.88		47.85
08 71 11 00-2172	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	410.61		47.85
		For Battery Backup (Includes Board And 2 Batteries), Add	59.40		
		For Fire Alarm Interface, Add	29.70		
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	80.78		
		For 4 Relay Output Board, Add	66.53		
		For 4 Relay Logic Board, Add	182.47		
		For Fused 8 Zone Distribution Board, Add	23.76		
08 71 11 00-2173	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	661.04		47.85
		For Battery Backup (Includes Board And 2 Batteries), Add	59.40		
		For Fire Alarm Interface, Add	29.70		
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	80.78		
		For 4 Relay Output Board, Add	66.53		
		For 4 Relay Logic Board, Add	182.47		
		For Fused 8 Zone Distribution Board, Add	23.76		
08 71 11 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX)	235.62		31.90
08 71 11 00-2175	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,072.66		
		Note: For Von Duprin Series 33A/35A/98/99 Exit Device			
08 71 11 00-2176		Removable Verticals, Mullions (Von Duprin) (08 71 11 00-2087)			
08 71 11 00-2177	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	583.22		31.90
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-455.61		
08 71 11 00-2178	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	618.88		31.90
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-491.27		
08 71 11 00-2179	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	1,003.48		31.90
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-875.87		
08 71 11 00-2180	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	989.08		38.29
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-835.95		
08 71 11 00-2181	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	1,024.73		38.29
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-871.60		
08 71 11 00-2182	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	1,102.98		38.29
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-949.85		
08 71 11 00-2183	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	1,024.59		31.90
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-896.98		
08 71 11 00-2184	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	1,071.21		31.90
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-943.60		
08 71 11 00-2185	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	1,165.69		31.90
		Note: For use with Von Duprin Panic rim devices.			
		For Owner Furnished Material, Deduct	-1,038.08		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2186	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	1,583.01	38.29
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,429.88	
08 71 11 00-2187	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,629.63	38.29
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,476.50	
08 71 11 00-2188	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	3,094.41	38.29
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-2,941.28	
08 71 11 00-2189	EA		Mullion Stabilizer Set (Von Duprin 154).....	125.32	25.52
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-74.28	
08 71 11 00-2190			Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 <small>(08 71 11 00-2087)</small>		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2191	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile	2,274.61	143.56
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	238.36	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	274.31	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	361.33	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	393.49	
08 71 11 00-2192	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	2,933.43	197.80
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	302.89	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	348.56	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	459.14	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	500.00	
08 71 11 00-2193	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	3,201.84	197.80
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	336.70	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	387.48	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	510.40	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	555.83	
08 71 11 00-2194	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	2,999.79	197.80
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	311.25	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	358.18	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	471.81	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	513.80	
08 71 11 00-2195	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	3,260.28	197.80
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	344.07	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	395.95	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	521.56	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	567.99	
08 71 11 00-2196	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile	2,283.14	178.65
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	227.38	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	261.67	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	344.68	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	375.36	
08 71 11 00-2197	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated.....	2,458.46	178.65
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	249.47	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	287.09	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	378.17	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	411.83	
08 71 11 00-2198	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	389.68	23.93
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	41.06	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	47.25	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	62.24	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	67.78	
08 71 11 00-2199	EA		Cylinder Assembly, Von Duprin Series 55	181.45	33.82
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	11.61	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	13.36	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	17.59	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	19.16	
08 71 11 00-2200	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	648.41	33.82
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	70.44	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	81.07	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	106.78	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	116.29	
08 71 11 00-2201	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	698.58	47.85
			Note: Anodized finish: dull brass or dull bronze.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	71.94	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	82.79	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	109.06	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	118.76	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2202	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	577.28 56.66 65.20 85.89 93.53	47.85
08 71 11 00-2203	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	698.58 71.94 82.79 109.06 118.76	47.85
08 71 11 00-2204	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	803.56 85.17 98.01 129.11 140.60	47.85
08 71 11 00-2205			Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2087) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2206	EA		42" Crossbar, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,455.50 33.25 34.33 292.84	143.56
08 71 11 00-2207	EA		42" Crossbar, Fire Rated, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,692.22 40.59 41.90 357.46	143.56
08 71 11 00-2208	EA		42" Crossbar, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,879.71 44.03 45.45 387.75	172.27
08 71 11 00-2209	EA		42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,391.77 59.90 61.84 527.54	172.27
08 71 11 00-2210	EA		42" Crossbar, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,821.04 40.04 41.33 352.57	197.80
08 71 11 00-2211	EA		42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,286.66 54.47 56.23 479.68	197.80
08 71 11 00-2212	EA		42" Crossbar, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,944.41 45.44 46.91 400.19	178.65
08 71 11 00-2213	EA		42" Crossbar, Fire Rated, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,065.25 49.19 50.78 433.17	178.65
08 71 11 00-2214	EA		Dummy Trim (Von Duprin Series 88, DT) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	220.31 4.85 5.01 42.72	23.93
08 71 11 00-2215	EA		Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	344.33 7.91 8.16 69.62	31.90
08 71 11 00-2216	EA		Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	608.98 14.92 15.40 131.41	47.85
08 71 11 00-2217	EA		Lever Trim With Cylinder (Von Duprin Series 88, 373L) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	569.36 13.69 14.14 120.60	47.85



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2218	EA		Knob Trim With Cylinder (Von Duprin Series 88, K) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	428.17 9.32 9.62 82.05	47.85
08 71 11 00-2219	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	428.17 9.32 9.62 82.05	47.85
08 71 11 00-2220			Push Bar Exit Device, Precision Hardware Apex 2000 Series (08 71 11 00-2087) Note: Grade 1, BHMA 156.3, Anodized Aluminum Finish.		
08 71 11 00-2221	EA		3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,096.41 13.87 -1,713.58	143.56
08 71 11 00-2222	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,214.16 13.87 -1,831.33	143.56
08 71 11 00-2223	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,877.93 13.87 -2,418.54	172.27
08 71 11 00-2224	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series) For 4' Push Bar, Add For Owner Furnished Material, Deduct	2,995.67 13.87 -2,536.28	172.27
08 71 11 00-2225	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901) For Owner Furnished Material, Deduct	255.56 -204.52	19.14
08 71 11 00-2226	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A) For Owner Furnished Material, Deduct	685.10 -621.29	23.93
08 71 11 00-2227	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A) For Owner Furnished Material, Deduct	748.90 -621.29	47.85
08 71 11 00-2228	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A) For Owner Furnished Material, Deduct	903.84 -776.23	47.85
08 71 11 00-2229	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A) For Owner Furnished Material, Deduct	903.84 -776.23	47.85
08 71 11 00-2230	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A) For Owner Furnished Material, Deduct	903.84 -776.23	47.85
08 71 11 00-2231	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701) For Owner Furnished Material, Deduct	187.37 -136.33	19.14
08 71 11 00-2232	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A) For Owner Furnished Material, Deduct	401.57 -337.76	23.93
08 71 11 00-2233	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A) For Owner Furnished Material, Deduct	427.09 -337.76	31.90
08 71 11 00-2234	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A) For Owner Furnished Material, Deduct	601.70 -474.09	47.85
08 71 11 00-2235	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A) For Owner Furnished Material, Deduct	601.70 -474.09	47.85
08 71 11 00-2236			Door Closers (08 71 11) Note: Includes standard cover and arm.		
08 71 11 00-2237	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Parallel Arm, Add	496.13 12.60 6.60 39.60 19.80 13.80 101.40 127.20 22.40	37.00
08 71 11 00-2238	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series) For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	599.82 12.60 6.60 39.60 19.80 13.80 101.40 127.20	37.00
08 71 11 00-2239	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series) For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Spring Cush Arm, Add For Parallel Arm And PA Shoe, Add For Stainless Steel Finish, Add	616.31 12.60 6.60 39.60 19.80 13.80 101.40 127.20 67.20 22.40 145.00	37.00

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2240	EA Surface Mounted High Security Door Closer With Metal Cover (LCN 4510).....	636.95	37.00
	<i>For Delayed Action, Add</i>	12.60	
	<i>For AVB (5 LB Per Push), Add</i>	6.60	
	<i>For Fusible Link Arm, Add</i>	39.60	
	<i>For Shock Absorbing Arm, Add</i>	19.80	
	<i>For Hold Open Arm, Add</i>	13.80	
	<i>For Plated Brass Finish, Add</i>	101.40	
	<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2241	EA Surface Mounted Standard Duty Door Closer (Norton 8301).....	418.46	37.00
	<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2242	EA Surface Mounted Standard Duty Door Closer (Norton 8501).....	421.94	37.00
	<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2243	Concealed Door Closers <small>(08 71 11)</small>		
08 71 11 00-2244	EA Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	1,402.67	109.74
08 71 11 00-2245	EA Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,499.86	109.74
08 71 11 00-2246	EA Concealed (In Door) Overhead Door Closer (LCN 3130).....	708.73	44.66
	<i>For Hold Open Arm, Add</i>	13.80	
	<i>For Plated Brass Finish, Add</i>	101.40	
	<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2247	EA Concealed (In Frame) Overhead Door Closer (LCN 5010).....	765.58	44.66
	<i>For Delayed Action, Add</i>	12.60	
	<i>For Hold Open Arm, Add</i>	13.80	
	<i>For Plated Brass Finish, Add</i>	101.40	
	<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2248	Locks And Latches <small>(08 71 11)</small>		
	Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2249	Locksmith Services <small>(08 71 11 00-2248)</small>		
08 71 11 00-2250	EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.86	
	<i>For >50, Deduct</i>	-0.37	
08 71 11 00-2251	EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	153.19	
	<i>For >5, Deduct</i>	-15.32	
08 71 11 00-2252	EA Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	153.19	
	<i>For >5, Deduct</i>	-15.32	
08 71 11 00-2253	EA Removal And Replacement Of Cylinder With New Cylinder.....	173.03	
	Note: Excludes core.		
	<i>For >5, Deduct</i>	-15.32	
08 71 11 00-2254	EA Open Locked Doors.....	153.19	
08 71 11 00-2255	EA Install Owner Furnished Cores And Cylinders.....	64.22	
08 71 11 00-2256	Mortise Locksets And Latchsets <small>(08 71 11 00-2248)</small>		
	Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2257	EA Passage/Closet F01 Mortise Latchset.....	840.88	31.90
	Note: Both sides always unlocked.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	23.54	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	21.40	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	35.66	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	251.78	
08 71 11 00-2258	EA Bath/Bedroom Privacy F02/F19 Mortise Lockset.....	999.37	31.90
	Note: Locked with thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	28.77	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	26.15	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	43.59	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	307.73	
08 71 11 00-2259	EA Entrance/Office F04 Mortise Lockset.....	1,111.46	31.90
	Note: Locked with key outside and thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	32.47	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	29.52	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	49.19	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	347.30	
08 71 11 00-2260	EA Classroom F05 Mortise Lockset.....	1,037.84	31.90
	Note: Locked with key outside. Inside always unlocked.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	30.04	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	27.31	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	45.51	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	321.31	
	<i>For Security Function (Double Cylinder) With Visual Indicator, Add</i>	78.95	
08 71 11 00-2261	EA Storeroom/Closet F07 Mortise Lockset.....	1,037.84	31.90
	Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	30.04	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	27.31	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	45.51	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	321.31	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2262 EA Entrance F08 Mortise Lockset.....	1,158.40	31.90
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	34.02	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	30.92	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	51.54	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	363.87	
08 71 11 00-2263 EA Dormitory/Exit F13 Mortise Lockset.....	998.26	31.90
Note: Locked with key outside and thumb knob inside.		
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	28.73	
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	26.12	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	43.53	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	307.34	
08 71 11 00-2264 Locks And Latches (08 71 11 00-2248)		
08 71 11 00-2265 Preassembled Locks And Latches (08 71 11 00-2264)		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2266 EA Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210).....	1,740.19	31.90
Note: Both sides always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	49.33	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	82.22	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	580.50	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	305.88	
For Grade 2, Deduct	-639.71	
08 71 11 00-2267 EA Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220).....	1,883.96	31.90
Note: Locked with push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	53.65	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	89.41	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	631.26	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	332.62	
For Grade 2, Deduct	-695.63	
08 71 11 00-2268 EA Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261).....	2,141.75	31.90
Note: Locked with key outside and push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	61.38	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	102.30	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	722.26	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	380.57	
For Grade 2, Deduct	-795.91	
08 71 11 00-2269 EA Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255).....	2,141.75	31.90
Note: Locked with key outside. Inside always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	61.38	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	102.30	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	722.26	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	380.57	
For Grade 2, Deduct	-795.91	
08 71 11 00-2270 EA Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257).....	2,141.75	31.90
Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	61.38	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	102.30	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	722.26	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	380.57	
For Grade 2, Deduct	-795.91	
08 71 11 00-2271 Bored Locks And Latches (08 71 11 00-2264)		
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2272 EA Passage/Closet F75 Bored Latchset.....	298.87	31.90
Note: Both sides always unlocked.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.14	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.56	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	60.45	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	31.85	
For Grade 2, Deduct	-8.56	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.43	
For Interchangeable Core, Add	9.45	
08 71 11 00-2273 EA Bath/Bedroom Privacy F76 Bored Lockset.....	339.71	31.90
Note: Locked with push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	6.36	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	10.61	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	74.87	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	39.45	
For Grade 2, Deduct	-10.61	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.24	
For Interchangeable Core, Add	9.45	
08 71 11 00-2274 EA Entrance/Office F82 Bored Lockset.....	372.63	31.90
Note: Locked with key outside and push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	7.35	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	12.25	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	86.49	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	45.57	
For Grade 2, Deduct	-12.25	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	4.90	
For Interchangeable Core, Add	9.45	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2275	EA	Classroom F84 Bored Lockset.....		372.63	31.90
		Note: Locked with key outside. Inside always unlocked.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add		7.35	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add		12.25	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add		86.49	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add		45.57	
		For Grade 2, Deduct		-12.25	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add		4.90	
		For Interchangeable Core, Add		9.45	
08 71 11 00-2276	EA	Storeroom/Closet F86 Bored Lockset.....		372.63	31.90
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add		7.35	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add		12.25	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add		86.49	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add		45.57	
		For Grade 2, Deduct		-12.25	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add		4.90	
		For Interchangeable Core, Add		9.45	
08 71 11 00-2277	EA	Corridor/Dormitory F90 Bored Lockset.....		372.63	31.90
		Note: Locked with key outside and push button inside.			
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add		7.35	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add		12.25	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add		86.49	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add		45.57	
		For Grade 2, Deduct		-12.25	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add		4.90	
		For Interchangeable Core, Add		9.45	
08 71 11 00-2278		Other Locks (08 71 11 00-2248)			
		Note: BHMA A156.5.			
08 71 11 00-2279	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421		1,015.36	165.89
08 71 11 00-2280	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461.....		2,282.24	331.78
08 71 11 00-2281		Pushbutton Combination Locks (08 71 11 00-2248)			
08 71 11 00-2282		Mechanical Pushbutton Combination Locks (08 71 11 00-2281)			
		Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.			
08 71 11 00-2283		Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)			
		(08 71 11 00-2282)			
		Note: Satin chrome or antique brass finish.			
08 71 11 00-2284	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series).....		809.58	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	
08 71 11 00-2285	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series).....		867.04	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	
08 71 11 00-2286	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series).....		890.03	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	
08 71 11 00-2287	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series).....		947.50	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	
08 71 11 00-2288	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series).....		907.27	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	
08 71 11 00-2289	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series).....		964.74	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	
08 71 11 00-2290	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series).....		987.73	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	
08 71 11 00-2291	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series).....		1,045.20	80.28
		For Bright Chrome Or Bright Brass Finish, Add		17.50	
		For Schlage Core, Add		47.92	
		For Fire Rated, Add		65.55	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2292 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) <small>(08 71 11 00-2282)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2293 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	893.48	80.28
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.92	
08 71 11 00-2294 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	939.46	80.28
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.92	
08 71 11 00-2295 EA Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,031.41	80.28
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.92	
08 71 11 00-2296 EA Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,065.89	80.28
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.92	
08 71 11 00-2297 EA Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,065.89	80.28
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.92	
08 71 11 00-2298 EA Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,008.42	80.28
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
For Schlage Core, Add	47.92	
08 71 11 00-2299 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) <small>(08 71 11 00-2282)</small> Note: Satin chrome or antique brass finish.		
08 71 11 00-2300 EA Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,073.94	80.28
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.92	
08 71 11 00-2301 EA Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,108.42	80.28
For Bright Chrome Or Bright Brass Finish, Add	17.50	
For Schlage Core, Add	47.92	
08 71 11 00-2302 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) <small>(08 71 11 00-2282)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2303 EA Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	479.70	80.28
For Schlage Core, Add	47.92	
08 71 11 00-2304 EA Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	631.42	80.28
For Schlage Core, Add	47.92	
08 71 11 00-2305 Electrical Pushbutton Combination Locks <small>(08 71 11 00-2281)</small> Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2306 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2307 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	838.31	80.28
For Satin Brass Finish, Add	17.50	
08 71 11 00-2308 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	976.24	80.28
For Satin Brass Finish, Add	17.50	
08 71 11 00-2309 EA Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,010.72	80.28
For Satin Brass Finish, Add	17.50	
08 71 11 00-2310 EA Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	953.25	80.28
For Satin Brass Finish, Add	17.50	
08 71 11 00-2311 EA Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	895.78	80.28
For Satin Brass Finish, Add	17.50	
08 71 11 00-2312 EA Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,010.72	80.28
For Satin Brass Finish, Add	17.50	
08 71 11 00-2313 EA Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,033.71	80.28
For Satin Brass Finish, Add	17.50	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2314	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,068.19	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2315	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,010.72	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2316			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2317	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,068.19	80.28
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2318	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,068.19	80.28
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2319			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2320	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,246.35	80.28
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2321	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,246.35	80.28
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2322			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2323	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,338.30	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2324	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,453.24	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2325	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,476.23	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2326	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,510.71	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2327	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,453.24	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2328			Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 11 00-2305)</small> Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2329	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,884.26	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2330	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,999.20	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2331	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,022.19	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2332	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,056.67	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2333	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,999.20	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	104.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2334			Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) (08 71 11 00-2305)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2335	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	2,665.86	80.28
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2336			Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) (08 71 11 00-2305)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2337	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,683.12	80.28
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2338			Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 11 00-2305)		
08 71 11 00-2339	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	831.57	
08 71 11 00-2340	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	1,061.45	
08 71 11 00-2341	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,406.27	
08 71 11 00-2342	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	421.53	
08 71 11 00-2343	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	128.66	
			<i>Note: Includes 4 C-cell battery pack.</i>		
08 71 11 00-2344	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	152.80	
08 71 11 00-2345			Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 11 00-2305)		
			<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>		
08 71 11 00-2346	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,039.46	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-718.38	
08 71 11 00-2347	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,177.38	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-856.30	
08 71 11 00-2348	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,211.86	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-890.78	
08 71 11 00-2349	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,154.40	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-833.32	
08 71 11 00-2350	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,096.92	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-775.84	
08 71 11 00-2351	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,211.86	80.28
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-890.78	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2352 EA Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,234.85	80.28
<i>For Satin Brass Finish, Add</i>	17.50	
<i>For Owner Furnished Material, Deduct</i>	-913.77	
08 71 11 00-2353 EA Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,269.34	80.28
<i>For Satin Brass Finish, Add</i>	17.50	
<i>For Owner Furnished Material, Deduct</i>	-948.26	
08 71 11 00-2354 EA Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,211.86	80.28
<i>For Satin Brass Finish, Add</i>	17.50	
<i>For Owner Furnished Material, Deduct</i>	-890.78	
08 71 11 00-2355 Electrical Pushbutton Combination Locks (Schlage) (08 71 11 00-2305)		
Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2356 EA Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	1,055.96	79.75
<i>For Owner Furnished Material, Deduct</i>	-736.94	
08 71 11 00-2357 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	1,221.39	79.75
<i>For Owner Furnished Material, Deduct</i>	-902.37	
08 71 11 00-2358 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,377.16	79.75
<i>For Owner Furnished Material, Deduct</i>	-1,058.14	
08 71 11 00-2359 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,796.11	79.75
<i>For Owner Furnished Material, Deduct</i>	-1,477.09	
08 71 11 00-2360 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,962.62	79.75
<i>For Owner Furnished Material, Deduct</i>	-1,643.60	
08 71 11 00-2361 EA Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,158.14	79.75
<i>For Owner Furnished Material, Deduct</i>	-1,839.12	
08 71 11 00-2362 EA Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,984.11	79.75
<i>For Owner Furnished Material, Deduct</i>	-1,665.09	
08 71 11 00-2363 Residential Locks And Latchsets (08 71 11 00-2248)		
08 71 11 00-2364 EA Residential Entry Lockset With Knobs (Master Keyed).....	93.22	19.26
08 71 11 00-2365 EA Residential Privacy Lockset With Knobs.....	91.40	19.26
08 71 11 00-2366 EA Residential Passage Lockset With Knobs.....	91.16	19.26
08 71 11 00-2367 EA Residential Dummy Lockset With Knobs.....	72.57	16.06
08 71 11 00-2368 EA Residential Entry Lockset With Levers (Master Keyed).....	105.76	19.26
08 71 11 00-2369 EA Residential Privacy Lockset With Levers.....	101.59	19.26
08 71 11 00-2370 EA Residential Passage Lockset With Levers.....	98.58	19.26
08 71 11 00-2371 EA Residential Dummy Lockset With Levers.....	74.01	16.06
08 71 11 00-2372 EA Screen Door - Closer.....	59.17	13.87
08 71 11 00-2373 EA Screen Door - Locking Handle.....	65.63	19.91
08 71 11 00-2374 Deadbolts (08 71 11 00-2248)		
08 71 11 00-2375 Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2374)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2376 EA Single Cylinder Deadbolt, Key One Side, Knob One Side	203.37	31.90
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2377 EA Double Cylinder Deadbolt, Key Both Sides.....	230.18	31.90
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2378 Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2374)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2379 EA Single Cylinder Deadbolt, Key One Side, Knob One Side	185.00	31.90
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2380 EA Double Cylinder Deadbolt, Key Both Sides.....	214.29	31.90
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2381 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2374)		
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2382 EA Small Case Mortised Deadbolt, Key One Side, Knob One Side	262.66	31.90
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2383 EA Small Case Mortised Deadbolt, Key Both Sides	287.48	31.90
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2384 EA Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side.....	257.69	31.90
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2385 Mortised Deadbolts, Grade 1, ANSI 156.5 <small>(08 71 11 00-2374)</small>		
<i>Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.</i>		
08 71 11 00-2386 EA Mortised Deadbolt, Key One Side, Knob One Side	330.18	31.90
<i>Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).</i>		
08 71 11 00-2387 EA Mortised Deadbolt, Key Both Sides	370.89	31.90
<i>Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.</i>		
08 71 11 00-2388 EA Mortised Deadbolt, Key One Side, Cover Plate One Side	295.43	31.90
<i>Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).</i>		
08 71 11 00-2389 Surface Mounted Deadbolts <small>(08 71 11 00-2374)</small>		
08 71 11 00-2390 EA Single Cylinder Surface Mounted Deadbolt	144.99	31.90
<i>Note: Key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2391 EA Double Cylinder Surface Mounted Deadbolt	162.93	31.90
<i>Note: Key both sides, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2392 EA Single Cylinder Surface Mounted Interlocking Deadbolt	177.20	31.90
<i>Note: Jimmy proof, key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2393 EA Double Cylinder Surface Mounted Interlocking Deadbolt	195.14	31.90
<i>Note: Jimmy proof, key both sides, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2394 Surface Mounted Deadlatches <small>(08 71 11 00-2248)</small>		
08 71 11 00-2395 EA Single Cylinder Surface Mounted Deadlatch	146.40	31.90
<i>Note: Key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2396 EA Single Cylinder Surface Mounted Interlocking Deadlatch	177.27	31.90
<i>Note: Jimmy proof, key one side, knob one side, bright brass finish.</i>		
<i>For Brushed Chrome Finish, Add</i>		
	10.50	
08 71 11 00-2397 Electric Strikes <small>(08 71 11 00-2248)</small>		
08 71 11 00-2398 EA 12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	386.85	63.81
08 71 11 00-2399 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)	1,126.13	63.81
<i>Note: For rim mounted lock</i>		
08 71 11 00-2400 EA 12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)	1,076.10	63.81
<i>Note: For rim mounted lock</i>		
08 71 11 00-2401 EA 24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)	830.30	63.81
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2402 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)	1,131.46	63.81
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2403 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)	1,109.75	63.81
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2404 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)	1,209.90	63.81
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2405 EA 24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)	1,127.03	63.81
<i>Note: For mortise or cylindrical locks</i>		
08 71 11 00-2406 EA 12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006)	693.93	63.81
08 71 11 00-2407 EA 12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	689.88	63.81
08 71 11 00-2408 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	340.80	63.81
08 71 11 00-2409 EA 12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	340.80	63.81
08 71 11 00-2410 EA 12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	435.62	63.81
08 71 11 00-2411 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	770.96	63.81
08 71 11 00-2412 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	384.72	63.81
08 71 11 00-2413 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	709.02	63.81
08 71 11 00-2414 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500)	627.27	63.81
08 71 11 00-2415 EA 12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	745.78	84.22
08 71 11 00-2416 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	847.74	84.22
08 71 11 00-2417 EA 12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	746.32	84.22
08 71 11 00-2418 Electric Hardware <small>(08 71 11 00-2248)</small>		
08 71 11 00-2419 EA Electrified Cylindrical Lock Option	210.49	
<i>Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.</i>		
08 71 11 00-2420 EA Electrified Mortise Lock Option	244.57	
<i>Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.</i>		
08 71 11 00-2421 EA 24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	128.20	31.90
08 71 11 00-2422 EA 1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	406.84	31.90
08 71 11 00-2423 EA 3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	709.54	31.90
08 71 11 00-2424 EA 4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,089.30	31.90
08 71 11 00-2425 EA 6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,203.83	31.90
08 71 11 00-2426 EA 9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,438.38	31.90

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2427	EA		15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,745.53	31.90
08 71 11 00-2428	EA		18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	108.36	31.90
08 71 11 00-2429	EA		24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	110.70	31.90
08 71 11 00-2430	EA		30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	125.06	31.90
08 71 11 00-2431	EA		45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	127.90	31.90
08 71 11 00-2432	EA		60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	129.36	31.90
08 71 11 00-2433	EA		72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	137.59	31.90
08 71 11 00-2434	EA		12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	109.85	31.90
08 71 11 00-2435	EA		18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	121.36	31.90
08 71 11 00-2436	EA		36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	130.47	31.90
08 71 11 00-2437	EA		49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	146.22	31.90
08 71 11 00-2438	EA		60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	150.59	31.90
08 71 11 00-2439	EA		12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	124.23	31.90
08 71 11 00-2440	EA		18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	140.35	31.90
08 71 11 00-2441	EA		18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	85.96	31.90
08 71 11 00-2442	EA		24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	98.42	31.90
08 71 11 00-2443	EA		30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	105.01	31.90
08 71 11 00-2444	EA		36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	112.07	31.90
08 71 11 00-2445	EA		60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	148.78	31.90
08 71 11 00-2446	EA		72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	164.11	31.90
08 71 11 00-2447	EA		12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	91.05	31.90
08 71 11 00-2448	EA		18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	95.86	31.90
08 71 11 00-2449	EA		24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	110.17	31.90
08 71 11 00-2450	EA		36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	132.94	31.90
08 71 11 00-2451	EA		48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	153.31	31.90
08 71 11 00-2452	EA		60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	186.77	31.90
08 71 11 00-2453	EA		12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	99.06	31.90
08 71 11 00-2454	EA		18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	106.43	31.90
08 71 11 00-2455	EA		Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	744.65	31.90
08 71 11 00-2456	EA		Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	810.32	44.66
08 71 11 00-2457 Magnetic Locks (08 71 11 00-2248)					
08 71 11 00-2458	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	868.44	153.13
08 71 11 00-2459	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	1,043.77	172.27
08 71 11 00-2460	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	1,019.79	153.13
08 71 11 00-2461	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,194.81	172.27
08 71 11 00-2462	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	1,066.44	165.89
08 71 11 00-2463	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	1,170.24	165.89
08 71 11 00-2464	EA		Electromagnetic Lock, 1,500 lb. Holding Force, Aluminum (Schlage M490).....	1,251.04	165.89
08 71 11 00-2465	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	1,372.93	191.41
			Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2466	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,510.92	191.41
			Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2467	EA		Electromagnetic Lock, 1,500 lb. Holding Force, Aluminum (Schlage M490P).....	1,573.07	191.41
			Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2468	EA		2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	470.23	63.81
08 71 11 00-2469	EA		4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	780.23	63.81
08 71 11 00-2470	EA		6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	941.34	63.81
08 71 11 00-2471 Occupancy Indicator Locks (08 71 11 00-2248)					
08 71 11 00-2472	EA		Occupancy Indicator Deadbolt With Thumbturn (Schlage B571).....	154.23	31.88
			Note: Standard finish is satin chrome		
			For Bright Brass Finish, Add	5.13	
			For Oil Rubbed Bronze Finish, Add	13.71	
			For Aged Bronze Finish, Add	5.13	
			For Satin Nickel Finish, Add	5.13	
08 71 11 00-2473	EA		Occupancy Indicator Lock And Lever (Vizlok C3F).....	226.59	31.88
			Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides		
			For Oil Rubbed Bronze Finish, Add	5.56	
08 71 11 00-2474 Door Coordinators (08 71 11)					
08 71 11 00-2475	EA		32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series).....	533.46	39.88
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-149.58	
08 71 11 00-2476	EA		42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series).....	560.27	41.47
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-157.75	
08 71 11 00-2477	EA		52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series).....	573.54	43.07
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-160.51	
08 71 11 00-2478	EA		60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series).....	598.52	44.66
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-167.95	
08 71 11 00-2479	EA		72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series).....	641.82	46.26
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-182.72	
08 71 11 00-2480	EA		Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	125.30	12.77
			For Anodized Aluminum Finish, Deduct	-29.70	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2481	EA		Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32").....	137.97	14.36
			<i>For Anodized Aluminum Finish, Deduct</i>	-32.22	
08 71 11 00-2482	EA		Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44").....	158.59	15.95
			<i>For Anodized Aluminum Finish, Deduct</i>	-37.91	
08 71 11 00-2483	EA		Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	116.60	15.95
08 71 11 00-2484	EA		7" Projection COR Series Gravity Type Door Coordinator.....	172.29	23.93
			<i>For Anodized Aluminum Finish, Deduct</i>	-30.64	
08 71 11 00-2485	EA		9" Projection COR Series Gravity Type Door Coordinator.....	184.54	23.93
			<i>For Anodized Aluminum Finish, Deduct</i>	-35.54	

08 71 11 00-2486 Removal And Reinstallation Of Door Hardware (08 71 11)

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2487	EA	Removal And Reinstallation Of Door Lockset, Entrance.....	95.70	
08 71 11 00-2488	EA	Removal And Reinstallation Of Door Lockset, Mortise.....	153.12	
08 71 11 00-2489	EA	Removal And Reinstallation Of Deadbolt Lock.....	102.08	
08 71 11 00-2490	PR	Removal And Reinstallation Of Butts/Hinges.....	25.52	
08 71 11 00-2491	EA	Removal And Reinstallation Of Door Bumper.....	8.93	
08 71 11 00-2492	EA	Removal And Reinstallation Of Surface Mounted Panic Device.....	255.22	
08 71 11 00-2493	EA	Removal And Reinstallation Of Kick Plate.....	31.90	
08 71 11 00-2494	EA	Removal And Reinstallation Of Push Plate.....	25.52	
08 71 11 00-2495	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder.....	127.61	
08 71 11 00-2496	EA	Removal And Reinstallation Of Door Handles.....	19.14	

08 71 11 00-2497 Electromagnetic Door Release (08 71 11)

08 71 11 00-2498	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release.....	634.49	80.40
08 71 11 00-2499	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	619.26	80.40
08 71 11 00-2500	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	696.02	80.40
08 71 11 00-2501	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release.....	1,149.13	80.40
08 71 11 00-2502	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release.....	1,108.72	80.40
08 71 11 00-2503	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release.....	1,108.72	80.40
08 71 11 00-2504	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release.....	1,009.90	80.40
08 71 11 00-2505	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release.....	1,259.76	80.40
08 71 11 00-2506	EA	Photo Electric Smoke Detector Suitable For Door Holder Release.....	1,200.60	80.40
08 71 11 00-2507	EA	Ionization Type Smoke Detector Suitable For Door Holder Release.....	1,481.87	80.40
08 71 11 00-2508	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560).....	710.45	80.40
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2509	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561).....	698.65	80.40
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2510	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820).....	1,067.67	80.40
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2511	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830).....	748.19	80.40
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2512	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840).....	748.19	80.40
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2513	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850).....	748.19	80.40
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		

08 71 13 Automatic Door Operators (08 71)

08 71 13 00-0001 Automatic Door Operators (LCN) (08 71 13)

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531).....	4,472.81	159.51
		Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542).....	4,472.81	159.51
		Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		

08 71 13 00-0004 Automatic Door Operators (Stanley) (08 71 13)

08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990).....	4,313.04	159.51
08 71 13 00-0006	EA	6" Round Stainless Steel Actuator (Stanley CL2216).....	277.25	
08 71 13 00-0007	EA	Power Supply (Stanley Precision ELR151).....	968.41	
08 71 13 00-0008	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990).....	3,148.50	127.61
		Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections		
08 71 13 00-0009	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247).....	515.24	85.12
		Note: Includes mounting post only		
08 71 13 00-0010	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388).....	338.15	40.87
		Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box		
08 71 13 00-0011	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055).....	212.58	40.87
		Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box		
08 71 13 00-0012	EA	Touchless Plate Door Operator (Stanley CL2025).....	333.84	40.87
		Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box		
08 71 13 00-0013	EA	Door Operator Push Plate Assembly (Stanley CL4976).....	1,130.31	61.37
		Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver		

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 13 00-0014	Miscellaneous Devices <small>(08 71 13)</small>		
08 71 13 00-0015	EA Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches	552.48	47.85
08 71 13 00-0016	EA Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	166.66	28.71
08 71 13 00-0017	EA 24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	210.35	28.71
08 71 13 00-0018	EA Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....	120.27	28.71

08 71 53 Security Door Hardware (08 71)

08 71 53 00-0001	Door Exit Alarm Hardware <small>(08 71 53)</small>		
08 71 53 00-0002	EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	392.45	47.85
08 71 53 00-0003	EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	542.42	47.85
08 71 53 00-0004	EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300).....	456.51	47.85
	Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	589.15	47.85
	Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	684.74	63.81
08 71 53 00-0007	EA Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....	120.87	63.81
	Note: For use with Detex EAX exit alarms.		

08 72 Weatherstripping, Thresholds and Seals (08 70)

08 72 33 Weatherstripping and Seals (08 72)

08 72 33 00-0001	Weather-Stripping And Seals <small>(08 72 33)</small>		
08 72 33 00-0002	Astragals <small>(08 72 33 00-0001)</small>		
	Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003	Adhesive Backed Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0004	LF 7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	5.73	0.96
08 72 33 00-0005	LF 1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	6.40	0.96
08 72 33 00-0006	LF 1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	4.86	0.96
08 72 33 00-0007	Overlapping Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0008	Aluminum, Overlapping Astragals <small>(08 72 33 00-0007)</small>		
08 72 33 00-0009	LF 2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	22.56	5.74
	<i>For Color Anodized Finish, Add</i>	3.36	
08 72 33 00-0010	Stainless Steel, Overlapping Astragals <small>(08 72 33 00-0007)</small>		
08 72 33 00-0011	LF 2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	46.46	5.74
08 72 33 00-0012	"T" Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0013	Aluminum, "T" Astragals <small>(08 72 33 00-0012)</small>		
08 72 33 00-0014	LF 1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	14.37	5.74
	<i>For Color Anodized Finish, Add</i>	1.06	
08 72 33 00-0015	LF Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	18.30	5.74
	<i>For Color Anodized Finish, Add</i>	1.39	
08 72 33 00-0016	LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	18.91	5.74
	<i>For Color Anodized Finish, Add</i>	2.65	
	<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0017	LF Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR).....	35.75	5.74
	<i>For Color Anodized Finish, Add</i>	8.54	
08 72 33 00-0018	Brass/Bronze, "T" Astragals <small>(08 72 33 00-0012)</small>		
08 72 33 00-0019	LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	64.08	5.74
	<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0020	Locking Astragals <small>(08 72 33 00-0002)</small>		
08 72 33 00-0021	Outswing Locking Astragals <small>(08 72 33 00-0020)</small>		
	Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022	Aluminum, Outswing Locking Astragals <small>(08 72 33 00-0021)</small>		
08 72 33 00-0023	LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	48.15	5.74
	Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	<i>For Color Anodized Finish, Add</i>	7.36	



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0024	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	56.04	5.74
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Color Anodized Finish, Add</i>	8.94	
08 72 33 00-0025	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	54.13	5.74
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	2.57	
08 72 33 00-0026	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	60.54	5.74
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Thermal Break, Add</i>	2.95	
08 72 33 00-0027			Inswing Locking Astragals (08 72 33 00-0020)		
			Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028			Wood, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0029	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	56.53	5.74
08 72 33 00-0030	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q).....	56.24	5.74
			Note: Includes kerf-in foam seal.		
08 72 33 00-0031			Aluminum, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0032	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV).....	31.62	5.74
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	4.05	
08 72 33 00-0033	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	38.21	5.74
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	5.37	
08 72 33 00-0034	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	34.11	5.74
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	4.55	
08 72 33 00-0035	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	40.65	5.74
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
			<i>For Color Anodized Finish, Add</i>	5.86	
08 72 33 00-0036			Security Astragals (08 72 33 00-0002)		
08 72 33 00-0037	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	29.42	5.74
			<i>For Color Anodized Finish, Add</i>	18.07	
08 72 33 00-0038	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	50.18	5.74
08 72 33 00-0039			Meeting Stile Astragals (08 72 33 00-0002)		
08 72 33 00-0040			One Piece, Meeting Stile Astragals (08 72 33 00-0039)		
			Note: Includes an astragal for one door only.		
08 72 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	18.07	5.74
			<i>For Color Anodized Finish, Add</i>	2.02	
08 72 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	28.24	8.54
			<i>For Color Anodized Finish, Add</i>	4.48	
08 72 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	37.99	8.54
			<i>For Color Anodized Finish, Add</i>	2.10	
08 72 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	39.24	8.54
			<i>For Color Anodized Finish, Add</i>	5.55	
08 72 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	40.81	8.54
08 72 33 00-0046			Two Piece, Meeting Stile Split Astragals (08 72 33 00-0039)		
			Note: Includes one astragal for each door.		
08 72 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	22.18	8.54
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	5.15	
08 72 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	22.18	8.54
			<i>For Color Anodized Finish, Add</i>	5.15	
08 72 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	22.18	8.54
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	5.15	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	35.86	8.54
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	3.77	
08 72 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	29.13	8.54
			<i>For Color Anodized Finish, Add</i>	4.84	
08 72 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	30.03	8.54
			<i>For Color Anodized Finish, Add</i>	5.20	
08 72 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	36.75	8.54
			<i>For Color Anodized Finish, Add</i>	9.86	
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	37.65	8.54
			<i>For Color Anodized Finish, Add</i>	8.25	
08 72 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	38.55	8.54
			<i>For Color Anodized Finish, Add</i>	8.61	
08 72 33 00-0056			Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0039) Note: Includes one astragal for each door.		
08 72 33 00-0057			Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
08 72 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	70.37	8.54
			<i>For Color Anodized Finish, Add</i>	13.34	
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	71.78	8.54
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	10.95	
08 72 33 00-0060			Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
08 72 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	195.61	8.54
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	183.12	8.54
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0063			Door Sweeps (08 72 33 00-0001)		
08 72 33 00-0064			Tack On Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	7.95	3.19
08 72 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	8.08	3.19
08 72 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	8.48	3.19
08 72 33 00-0068			Aluminum Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0069			35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	19.26	6.37
			<i>For Color Anodized Finish, Add</i>	2.60	
08 72 33 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	19.93	6.37
			<i>For Color Anodized Finish, Add</i>	2.51	
08 72 33 00-0072			45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	30.69	6.37
			<i>For Color Anodized Finish, Add</i>	7.17	
08 72 33 00-0074	LF		2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	33.38	6.37
			<i>For Color Anodized Finish, Add</i>	8.25	
08 72 33 00-0075	LF		4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	39.21	6.37
			<i>For Color Anodized Finish, Add</i>	10.58	
08 72 33 00-0076			90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	21.50	6.37
			<i>For Color Anodized Finish, Add</i>	0.87	
08 72 33 00-0078	LF		5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	21.28	6.37
			<i>For Color Anodized Finish, Add</i>	0.85	
08 72 33 00-0079	LF		1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	22.85	6.37
			<i>For Color Anodized Finish, Add</i>	3.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0080 LF 1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	23.52	6.37
<i>For Color Anodized Finish, Add</i>	4.30	
08 72 33 00-0081 LF 7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	20.83	6.37
<i>For Color Anodized Finish, Add</i>	2.02	
08 72 33 00-0082 LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	27.10	6.37
<i>For Color Anodized Finish, Add</i>	2.87	
08 72 33 00-0083 LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	22.17	6.37
<i>For Color Anodized Finish, Add</i>	1.88	
08 72 33 00-0084 LF 9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	16.29	6.37
Note: Includes mill finish.		
<i>For Color Anodized Finish, Add</i>	1.77	
08 72 33 00-0085 LF 1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	16.46	6.37
Note: Includes mill finish.		
<i>For Color Anodized Finish, Add</i>	1.85	
08 72 33 00-0086 LF 1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	18.36	6.37
Note: Includes mill finish.		
<i>For Color Anodized Finish, Add</i>	1.96	
08 72 33 00-0087 180 Degree, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0069)</small>		
Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088 180 Degree, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0087)</small>		
08 72 33 00-0089 LF 3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	18.81	6.37
<i>For Color Anodized Finish, Add</i>	2.42	
08 72 33 00-0090 LF 5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	19.26	6.37
<i>For Color Anodized Finish, Add</i>	2.60	
08 72 33 00-0091 LF 1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	22.85	6.37
<i>For Color Anodized Finish, Add</i>	3.53	
08 72 33 00-0092 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0087)</small>		
08 72 33 00-0093 LF 3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	23.07	6.37
<i>For Color Anodized Finish, Add</i>	4.12	
08 72 33 00-0094 LF 5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	23.52	6.37
<i>For Color Anodized Finish, Add</i>	4.30	
08 72 33 00-0095 LF 1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	25.40	6.37
<i>For Color Anodized Finish, Add</i>	5.06	
08 72 33 00-0096 Mortised, Aluminum Retainer Door Sweeps <small>(08 72 33 00-0068)</small>		
Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097 LF 1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	16.79	6.37
08 72 33 00-0098 LF 13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	16.79	6.37
08 72 33 00-0099 LF 5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	17.02	6.37
08 72 33 00-0100 Aluminum Retainer Door Sweeps With Rain Drip <small>(08 72 33 00-0063)</small>		
08 72 33 00-0101 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip <small>(08 72 33 00-0100)</small>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102 LF 1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV).....	16.35	6.37
<i>For Color Anodized Finish, Add</i>	2.51	
08 72 33 00-0103 LF 1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV).....	19.26	6.37
<i>For Color Anodized Finish, Add</i>	2.60	
08 72 33 00-0104 LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB).....	21.44	6.37
Note: Includes clear anodized finish.		
<i>For Color Anodized Finish, Add</i>	1.74	
08 72 33 00-0105 LF 7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB).....	21.84	6.37
<i>For Color Anodized Finish, Add</i>	1.82	
08 72 33 00-0106 Brass/Bronze Retainer Door Sweeps <small>(08 72 33 00-0063)</small>		
08 72 33 00-0107 90 Degree, Brass/Bronze Retainer Door Sweeps <small>(08 72 33 00-0106)</small>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108 LF 7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	26.21	6.37
08 72 33 00-0109 Oak Retainer Door Sweeps <small>(08 72 33 00-0063)</small>		
08 72 33 00-0110 90 Degree, Oak Retainer Door Sweeps <small>(08 72 33 00-0109)</small>		
Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111 LF 9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB).....	21.05	6.37
08 72 33 00-0112 LF 15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB).....	24.59	6.37
08 72 33 00-0113 Door Shoes And Bottoms <small>(08 72 33 00-0001)</small>		
08 72 33 00-0114 Door Shoes <small>(08 72 33 00-0113)</small>		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 72 33 00-0115		Aluminum Retainer Door Shoes (08 72 33 00-0114)			
08 72 33 00-0116		Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)			
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	18.14		6.37
		<i>For Color Anodized Finish, Add</i>	2.15		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68		
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	18.81		6.37
		<i>For Color Anodized Finish, Add</i>	2.42		
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	25.31		6.37
		<i>For Color Anodized Finish, Add</i>	2.51		
08 72 33 00-0120		Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)			
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	21.05		6.37
		<i>For Color Anodized Finish, Add</i>	3.32		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68		
08 72 33 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0115)			
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	19.26		6.37
		<i>For Color Anodized Finish, Add</i>	3.25		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	20.60		6.37
		<i>For Color Anodized Finish, Add</i>	3.14		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	21.05		6.37
		<i>For Color Anodized Finish, Add</i>	3.32		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	30.17		6.37
		<i>For Color Anodized Finish, Add</i>	3.48		
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	30.62		6.37
		<i>For Color Anodized Finish, Add</i>	3.57		
08 72 33 00-0128		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0115)			
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	19.71		6.37
		<i>For Color Anodized Finish, Add</i>	3.48		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	21.05		6.37
		<i>For Color Anodized Finish, Add</i>	3.32		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	21.28		6.37
		<i>For Color Anodized Finish, Add</i>	3.41		
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42		
08 72 33 00-0132		Vinyl Door Shoes (08 72 33 00-0114)			
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	24.09		6.37
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	29.20		6.37
08 72 33 00-0135		Door Bottoms (08 72 33 00-0113)			
08 72 33 00-0136		Automatic Door Bottoms (08 72 33 00-0135)			
08 72 33 00-0137		Aluminum Automatic Door Bottoms (08 72 33 00-0136)			
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	42.28		6.37
		<i>For Color Anodized Finish, Add</i>	5.90		
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	60.75		6.37
		<i>For Color Anodized Finish, Add</i>	9.60		
08 72 33 00-0140		Door Top Protection (08 72 33 00-0001)			
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	15.12		5.10
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	1.35		
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	15.12		5.10
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	1.35		
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	18.85		5.10
		<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	2.37		
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door.....	67.24		
08 72 33 00-0145		Perimeter Gasketing Weather-Strip (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.			
08 72 33 00-0146		Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0145)			
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.78		3.19
		<i>For Intumescent Seal, Add</i>	1.50		
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	4.83		3.19
		<i>For Intumescent Seal, Add</i>	1.50		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0149 LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	6.26	3.19
08 72 33 00-0150 LF 7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.26	3.19
08 72 33 00-0151 LF 5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	7.00	3.19
<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0152 LF 1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	6.48	3.19
<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0153 LF 7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	8.63	3.19
08 72 33 00-0154 LF 1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	7.96	3.19
08 72 33 00-0155 Kerf-In Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0145)</small>		
08 72 33 00-0156 LF 3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	4.23	3.19
08 72 33 00-0157 LF 7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	6.43	3.19
08 72 33 00-0158 LF 3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	4.77	3.19
08 72 33 00-0159 LF 5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	4.70	3.19
08 72 33 00-0160 LF 3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	6.20	3.19
08 72 33 00-0161 Cushion/Spring Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0145)</small>		
08 72 33 00-0162 Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0161)</small>		
08 72 33 00-0163 LF 1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	9.78	3.19
08 72 33 00-0164 LF 1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	9.78	3.19
08 72 33 00-0165 LF 1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.46	3.19
08 72 33 00-0166 LF 1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	10.60	3.19
08 72 33 00-0167 Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0161)</small>		
08 72 33 00-0168 LF 5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	9.41	3.19
08 72 33 00-0169 LF 7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	10.46	3.19
08 72 33 00-0170 LF 1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	11.61	3.19
08 72 33 00-0171 Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0145)</small>		
08 72 33 00-0172 Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0171)</small>		
08 72 33 00-0173 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	8.95	3.19
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	2.58	
08 72 33 00-0174 LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	8.95	3.19
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	2.58	
08 72 33 00-0175 LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	8.95	3.19
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	2.58	
08 72 33 00-0176 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	15.78	3.19
<i>For Silicone Insert, Add</i>	0.63	
<i>For Color Anodized Finish, Add</i>	1.88	
08 72 33 00-0177 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	16.23	3.19
<i>For Color Anodized Finish, Add</i>	4.93	
<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0178 LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	16.23	3.19
<i>For Color Anodized Finish, Add</i>	3.45	
08 72 33 00-0179 Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0171)</small>		
08 72 33 00-0180 Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0179)</small>		
08 72 33 00-0181 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	15.45	3.19
<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0182 Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0179)</small>		
08 72 33 00-0183 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	17.22	3.19
08 72 33 00-0184 Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0145)</small>		
08 72 33 00-0185 Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip <small>(08 72 33 00-0184)</small>		

08	08	Openings
	08 70	Hardware
	08 72	Weatherstripping, Thresholds and Seals



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	26.84		3.19
		<i>For Silicone Insert, Add</i>	1.58		
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	45.18		3.19
08 72 33 00-0188		Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)			
08 72 33 00-0189		Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)			
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV).....	39.08		3.19
		<i>For Silicone Insert, Add</i>	0.63		
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)			
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	22.04		6.37
		Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.			
		<i>For Color Anodized Finish, Add</i>	3.71		
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	22.83		6.37
		Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.			
		<i>For Color Anodized Finish, Add</i>	4.03		
08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)			
		Note: Seals gaps from 1/16" to 1/4".			
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR).....	28.46		3.19
		<i>For Color Anodized Finish, Add</i>	4.42		
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	30.03		3.19
		<i>For Color Anodized Finish, Add</i>	4.73		
08 72 43		Thresholds (08 72)			
08 72 43 00-0001		Thresholds (08 72 43)			
		Note: Includes material, fasteners, installation, caulk and sealants.			
08 72 43 00-0002		Metal Thresholds (08 72 43 00-0001)			
08 72 43 00-0003		Saddle Thresholds (08 72 43 00-0002)			
08 72 43 00-0004		Aluminum Saddle Thresholds (08 72 43 00-0003)			
		Note: Includes mill finish.			
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A).....	34.03		10.21
		<i>For Color Anodized Finish, Add</i>	3.41		
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A).....	37.84		10.21
		<i>For Color Anodized Finish, Add</i>	4.93		
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A).....	43.98		12.76
		<i>For Color Anodized Finish, Add</i>	8.47		
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A).....	48.26		12.76
		<i>For Color Anodized Finish, Add</i>	8.19		
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A).....	53.40		12.76
		<i>For Color Anodized Finish, Add</i>	7.53		
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A).....	61.02		12.76
		<i>For Color Anodized Finish, Add</i>	7.29		
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A).....	73.23		15.30
		<i>For Color Anodized Finish, Add</i>	8.74		
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A).....	78.39		15.30
		<i>For Color Anodized Finish, Add</i>	10.03		
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A).....	86.61		15.30
		<i>For Color Anodized Finish, Add</i>	12.09		
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A).....	37.17		10.21
		<i>For Color Anodized Finish, Add</i>	4.08		
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A).....	37.40		10.21
		<i>For Color Anodized Finish, Add</i>	5.94		
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A).....	45.78		12.76
		<i>For Color Anodized Finish, Add</i>	9.73		



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0021 LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)..... <i>For Color Anodized Finish, Add</i>	50.15 9.14	12.76
08 72 43 00-0022 LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)..... <i>For Color Anodized Finish, Add</i>	53.84 7.69	12.76
08 72 43 00-0023 LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)..... <i>For Color Anodized Finish, Add</i>	61.02 7.29	12.76
08 72 43 00-0024 LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)..... <i>For Color Anodized Finish, Add</i>	75.92 13.18	15.30
08 72 43 00-0025 LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)..... <i>For Color Anodized Finish, Add</i>	80.63 16.94	15.30
08 72 43 00-0026 LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)..... <i>For Color Anodized Finish, Add</i>	85.34 18.83	15.30
08 72 43 00-0027 Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0029 LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	81.19	10.21
08 72 43 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0031 LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	123.77	10.21
08 72 43 00-0032 LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	149.78	12.76
08 72 43 00-0033 LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	179.25	12.76
08 72 43 00-0034 LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	207.91	12.76
08 72 43 00-0035 LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	240.66	12.76
08 72 43 00-0036 LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	308.45	15.30
08 72 43 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		
08 72 43 00-0038 LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	162.88	12.76
08 72 43 00-0039 LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	195.63	12.76
08 72 43 00-0040 LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	228.38	12.76
08 72 43 00-0041 LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	269.31	12.76
08 72 43 00-0042 LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	380.77	15.30
08 72 43 00-0043 LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	362.00	15.30
08 72 43 00-0044 Stainless Steel Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0045 1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)		
08 72 43 00-0046 LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	138.31	12.76
08 72 43 00-0047 LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	146.50	12.76
08 72 43 00-0048 Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0049 Aluminum Half Saddle Thresholds (08 72 43 00-0048)		
Note: Includes mill finish.		
08 72 43 00-0050 3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)		
08 72 43 00-0051 LF 5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)..... <i>For Color Anodized Finish, Add</i>	54.37 9.00	12.76
08 72 43 00-0052 LF 7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)..... <i>For Color Anodized Finish, Add</i>	70.65 3.88	12.76
08 72 43 00-0053 Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054 Aluminum Offset Saddle Thresholds (08 72 43 00-0053)		
Note: Includes mill finish.		
08 72 43 00-0055 1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056 LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)..... <i>For Color Anodized Finish, Add</i>	54.52 11.32	12.76
08 72 43 00-0057 LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)..... <i>For Color Anodized Finish, Add</i>	60.34 9.96	12.76
08 72 43 00-0058 3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059 LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)..... <i>For Color Anodized Finish, Add</i>	54.52 11.32	12.76
08 72 43 00-0060 1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061 LF 7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)..... <i>For Color Anodized Finish, Add</i>	62.58 10.75	12.76
08 72 43 00-0062 Modular Ramp Thresholds (08 72 43 00-0001)		
Note: Includes mill finish.		
08 72 43 00-0063 Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0064	LF		6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	57.98	12.76
			<i>For Non-Slip Surfacing, Add</i>	97.41	
08 72 43 00-0065	LF		9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	72.53	14.03
			<i>For Non-Slip Surfacing, Add</i>	124.52	
08 72 43 00-0066	LF		12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	92.37	15.95
			<i>For Non-Slip Surfacing, Add</i>	169.37	
08 72 43 00-0067	LF		15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	117.73	16.58
			<i>For Non-Slip Surfacing, Add</i>	228.34	
08 72 43 00-0068	LF		18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	137.14	17.85
			<i>For Non-Slip Surfacing, Add</i>	304.29	
08 72 43 00-0069	LF		21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	170.07	19.77
			<i>For Non-Slip Surfacing, Add</i>	339.38	
08 72 43 00-0070	LF		24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	189.71	21.68
			<i>For Non-Slip Surfacing, Add</i>	380.51	
08 72 43 00-0071	LF		28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	201.23	22.96
			<i>For Non-Slip Surfacing, Add</i>	388.30	
08 72 43 00-0072			3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA).....	98.58	15.95
			<i>For Non-Slip Surfacing, Add</i>	180.09	
08 72 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA).....	115.88	16.58
			<i>For Non-Slip Surfacing, Add</i>	223.34	
08 72 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA).....	145.05	19.13
			<i>For Non-Slip Surfacing, Add</i>	277.65	
08 72 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	170.65	20.40
			<i>For Non-Slip Surfacing, Add</i>	337.56	
08 72 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	196.12	21.68
			<i>For Non-Slip Surfacing, Add</i>	397.18	
08 72 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA).....	214.49	22.96
			<i>For Non-Slip Surfacing, Add</i>	438.31	
08 72 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA).....	263.09	24.24
			<i>For Non-Slip Surfacing, Add</i>	558.04	
08 72 43 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	114.12	17.22
			<i>For Non-Slip Surfacing, Add</i>	223.13	
08 72 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	133.98	19.13
			<i>For Non-Slip Surfacing, Add</i>	268.02	
08 72 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	160.61	20.40
			<i>For Non-Slip Surfacing, Add</i>	323.43	
08 72 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA).....	180.02	21.68
			<i>For Non-Slip Surfacing, Add</i>	368.98	
08 72 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA).....	211.67	22.96
			<i>For Non-Slip Surfacing, Add</i>	430.98	
08 72 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA).....	230.04	24.24
			<i>For Non-Slip Surfacing, Add</i>	472.11	
08 72 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	265.64	25.51
			<i>For Non-Slip Surfacing, Add</i>	536.58	
08 72 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0062)</small>		
08 72 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0088)</small>		
08 72 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	272.81	15.95
			<i>For Non-Slip Surfacing, Add</i>	28.91	
08 72 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	420.36	15.95
			<i>For Non-Slip Surfacing, Add</i>	46.62	
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	832.81	22.32
			<i>For Non-Slip Surfacing, Add</i>	94.58	
08 72 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <small>(08 72 43 00-0088)</small>		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	272.81	15.95
			<i>For Non-Slip Surfacing, Add</i>	28.91	
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	420.36	15.95
			<i>For Non-Slip Surfacing, Add</i>	46.62	
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	832.81	22.32
			<i>For Non-Slip Surfacing, Add</i>	94.58	
08 72 43 00-0097			Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0001)</small>		
			Note: Includes vinyl or pile seal.		
08 72 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0097)</small>		
			Note: Includes mill finish.		
08 72 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0098)</small>		
08 72 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 72 43 00-0099)</small>		



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP).....	66.17	12.76
			<i>For Color Anodized Finish, Add</i>	12.00	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP).....	54.74	12.76
			<i>For Color Anodized Finish, Add</i>	11.43	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP).....	73.34	12.76
			<i>For Color Anodized Finish, Add</i>	14.51	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP).....	76.48	12.76
			<i>For Color Anodized Finish, Add</i>	15.61	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP).....	52.05	12.76
			<i>For Color Anodized Finish, Add</i>	10.09	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP).....	55.19	12.76
			<i>For Color Anodized Finish, Add</i>	11.66	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)		
08 72 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP).....	58.55	12.76
			<i>For Color Anodized Finish, Add</i>	10.67	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP).....	61.46	12.76
			<i>For Color Anodized Finish, Add</i>	11.83	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP).....	65.72	12.76
			<i>For Color Anodized Finish, Add</i>	11.84	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP).....	70.54	12.76
			<i>For Color Anodized Finish, Add</i>	13.53	
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV).....	230.01	12.76
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV).....	213.64	12.76
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV).....	305.34	12.76
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV).....	273.57	12.76
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV).....	226.41	12.76
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)		
08 72 43 00-0125	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV).....	235.40	14.03
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0126	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV).....	246.70	14.03
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0127	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV).....	307.78	14.03
			<i>For Thermoseal, Add</i>	0.63	
08 72 43 00-0128	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV).....	280.97	14.66
			<i>For Thermoseal, Add</i>	0.63	

08	08	Openings
	08 70	Hardware
	08 72	Weatherstripping, Thresholds and Seals



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 72 43 00-0129		Carpet Separator Thresholds <small>(08 72 43 00-0001)</small>			
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0129)</small> Note: Includes mill finish.			
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>			
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)..... <i>For Color Anodized Finish, Add</i>	39.18 5.47		10.21
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>			
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)..... <i>For Color Anodized Finish, Add</i>	31.73 3.29		8.93
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)..... <i>For Color Anodized Finish, Add</i>	48.69 6.72		10.21
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)..... <i>For Color Anodized Finish, Add</i>	58.10 10.49		10.21
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>			
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)..... <i>For Color Anodized Finish, Add</i>	28.82 1.63		8.93
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds <small>(08 72 43 00-0130)</small>			
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)..... <i>For Color Anodized Finish, Add</i>	31.73 2.82		8.93
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)..... <i>For Color Anodized Finish, Add</i>	49.36 6.99		12.76
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)..... <i>For Color Anodized Finish, Add</i>	52.05 6.05		12.76
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds <small>(08 72 43 00-0129)</small>			
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds <small>(08 72 43 00-0143)</small>			
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	125.56		10.21
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds <small>(08 72 43 00-0143)</small>			
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	164.16		8.93
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	150.60		12.76
08 72 43 00-0149		Vinyl Transition Thresholds <small>(08 72 43 00-0001)</small> Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.			
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds <small>(08 72 43 00-0149)</small> Note: Serves as a transition where carpet meets carpet beneath a door.			
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	47.40		10.21
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds <small>(08 72 43 00-0149)</small> Note: Serves as a transition where carpet meets tile beneath a door.			
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	47.40		10.21
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds <small>(08 72 43 00-0149)</small> Note: Serves as a transition where carpet meets concrete beneath a door.			
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	50.51		12.76
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds <small>(08 72 43 00-0149)</small> Note: Serves as a transition where carpet meets VCT Tile beneath a door.			
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	54.14		12.76
08 72 43 00-0158		Residential Thresholds <small>(08 72 43 00-0001)</small>			
08 72 43 00-0159		Wood Residential Thresholds <small>(08 72 43 00-0158)</small>			
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	20.06		6.37
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	20.81		6.37
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	28.38		6.79
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	28.81		7.04
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	44.26		7.24
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds <small>(08 72 43 00-0158)</small>			
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	24.17		6.37
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	29.48		7.04
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	55.70		7.04



Openings	08	08
Hardware	08 70	
Weatherstripping, Thresholds and Seals	08 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0169 Vinyl Top, Aluminum Residential Thresholds <small>(08 72 43 00-0158)</small>		
08 72 43 00-0170 LF 1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	24.24	6.37
<i>For Color Anodized Finish, Add</i>	3.32	
08 72 43 00-0171 LF 3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	28.36	7.04
<i>For Color Anodized Finish, Add</i>	4.30	
08 72 43 00-0172 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	30.15	7.04
<i>For Color Anodized Finish, Add</i>	5.02	
08 72 43 00-0173 Interlocking Residential Thresholds <small>(08 72 43 00-0158)</small>		
08 72 43 00-0174 Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0173)</small>		
08 72 43 00-0175 1/2" Height, Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0174)</small>		
08 72 43 00-0176 LF 4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	54.64	7.24
<i>For Color Anodized Finish, Add</i>	10.96	
08 72 43 00-0177 5/8" Height, Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0174)</small>		
08 72 43 00-0178 LF 3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	36.01	6.79
<i>For Color Anodized Finish, Add</i>	5.72	
08 72 43 00-0179 LF 3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	32.62	7.04
<i>For Color Anodized Finish, Add</i>	7.51	
08 72 43 00-0180 LF 4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	38.06	7.24
<i>For Color Anodized Finish, Add</i>	5.99	
08 72 43 00-0181 7/8" Height, Aluminum Interlocking Residential Thresholds <small>(08 72 43 00-0174)</small>		
08 72 43 00-0182 LF 4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	41.64	7.24
<i>For Color Anodized Finish, Add</i>	11.77	
08 72 43 00-0183 Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0173)</small>		
08 72 43 00-0184 1/2" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0183)</small>		
08 72 43 00-0185 LF 4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	169.58	7.24
08 72 43 00-0186 5/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0183)</small>		
08 72 43 00-0187 LF 3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	128.13	7.04
08 72 43 00-0188 7/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 72 43 00-0183)</small>		
08 72 43 00-0189 LF 4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	173.67	7.24
08 72 43 00-0190 LF 5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	247.86	7.44
08 72 43 00-0191 Residential Door Sills <small>(08 72 43 00-0001)</small>		
08 72 43 00-0192 Fixed Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0193 LF 4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	30.89	7.24
<i>For Color Anodized Finish, Add</i>	6.39	
08 72 43 00-0194 LF 5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	33.15	7.44
<i>For Color Anodized Finish, Add</i>	5.81	
08 72 43 00-0195 Adjustable Aluminum Top, Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0196 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	44.57	7.24
<i>For Color Anodized Finish, Add</i>	9.26	
08 72 43 00-0197 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A).....	45.75	7.44
<i>For Color Anodized Finish, Add</i>	9.50	
08 72 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0199 LF 3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	45.13	7.04
<i>For Color Anodized Finish, Add</i>	9.64	
08 72 43 00-0200 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	45.65	7.24
<i>For Color Anodized Finish, Add</i>	6.89	
08 72 43 00-0201 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	47.65	7.44
<i>For Color Anodized Finish, Add</i>	7.26	
08 72 43 00-0202 Extenders For Aluminum Residential Door Sills <small>(08 72 43 00-0191)</small>		
08 72 43 00-0203 LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A).....	18.36	6.37
<i>For Color Anodized Finish, Add</i>	3.92	

08	08	Openings
	08 70	Hardware
	08 72	Weatherstripping, Thresholds and Seals



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)..... <i>For Color Anodized Finish, Add</i>	20.16 3.70	6.37
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)..... <i>For Color Anodized Finish, Add</i>	21.95 2.30	6.37
08 72 43 00-0206		Stone Thresholds <small>(08 72 43 00-0001)</small>		
08 72 43 00-0207		Marble Thresholds <small>(08 72 43 00-0206)</small>		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold.....	21.51	8.22
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold.....	23.90	8.22
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold.....	27.09	8.22
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold.....	34.27	8.22
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold.....	42.69	8.22
08 72 43 00-0213		Corian Thresholds <small>(08 72 43 00-0206)</small>		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold.....	91.78	10.59

08 75 Window Hardware (08 70)

08 75 13 Automatic Window Equipment (08 75)

08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor <small>(08 75 13)</small>		
08 75 13 00-0002	EA	Gym Window Electronic Opener.....	2,008.29	271.81

08 78 Special Function Hardware (08 70)

08 78 00 00-0001 Pad Locks (08 78)

08 78 00 00-0002	EA	Combination Padlock.....	26.37	6.38
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	61.21	6.38
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	56.48	6.38
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	62.34	6.38
08 78 00 00-0006	EA	Commercial U-Bar Lock.....	75.87	6.38
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike.....	63.52	6.38
08 78 00 00-0008	EA	High Security Padlocks.....	57.26	6.38
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike.....	29.80	6.38

08 79 Hardware Accessories (08 70)

08 79 13 Key Storage Equipment (08 79)

08 79 13 00-0001		Key Cabinet <small>(08 79 13)</small>		
08 79 13 00-0002		Key Cabinets <small>(08 79 13 00-0001)</small>		
08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys.....	608.47	22.96
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys.....	823.35	25.51
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys.....	1,856.12	38.26
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys.....	4,804.93	51.01
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys.....	5,136.30	33.80
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys.....	11,625.45	25.51
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys.....	255.55	10.21
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys.....	365.17	12.76
08 79 13 00-0011		Key Boxes Wall Mounted On Any Type Wall, With Anchor <small>(08 79 13 00-0001)</small>		
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	346.59	19.14
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	393.62	19.14
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box..... Note: Including Storage And Cleaning	65.08	
08 79 13 00-0015	EA	Relocate Heavy Duty Key Box, With Combo Lock Door..... Note: Including Storage And Cleaning	146.75	

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001		Clear Float Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0002		Clear Float Factory Installed Glass <small>(08 81 23 13-0001)</small>		
		Note: Type I, Class I, Quality Q3.		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0003 SF 1/8" Thick, Clear Float Factory Installed Glass.....	7.99	
For >50 To 200, Deduct	-0.24	
For >200 To 400, Deduct	-0.48	
For >400, Deduct	-0.72	
For Tinted Glass, Add	2.00	
For Reflective Coated Glass, Add	3.60	
For Low-E Coated Glass, Add	2.00	
08 81 23 13-0004 SF 3/16" Thick, Clear Float Factory Installed Glass.....	8.57	
For >50 To 200, Deduct	-0.26	
For >200 To 400, Deduct	-0.51	
For >400, Deduct	-0.77	
For Tinted Glass, Add	2.14	
For Reflective Coated Glass, Add	3.86	
For Low-E Coated Glass, Add	2.14	
08 81 23 13-0005 SF 1/4" Thick, Clear Float Factory Installed Glass.....	10.39	
For >50 To 200, Deduct	-0.31	
For >200 To 400, Deduct	-0.62	
For >400, Deduct	-0.94	
For Tinted Glass, Add	2.60	
For Reflective Coated Glass, Add	4.68	
For Low-E Coated Glass, Add	2.60	
08 81 23 13-0006 SF 5/16" Thick, Clear Float Factory Installed Glass.....	17.27	
For >50 To 200, Deduct	-0.52	
For >200 To 400, Deduct	-1.04	
For >400, Deduct	-1.55	
For Tinted Glass, Add	4.32	
For Reflective Coated Glass, Add	7.77	
For Low-E Coated Glass, Add	4.32	
08 81 23 13-0007 SF 3/8" Thick, Clear Float Factory Installed Glass.....	25.13	
For >50 To 200, Deduct	-0.75	
For >200 To 400, Deduct	-1.51	
For >400, Deduct	-2.26	
For Tinted Glass, Add	6.28	
For Reflective Coated Glass, Add	11.31	
For Low-E Coated Glass, Add	6.28	
08 81 23 13-0008 SF 1/2" Thick, Clear Float Factory Installed Glass.....	27.61	
For >50 To 200, Deduct	-0.83	
For >200 To 400, Deduct	-1.66	
For >400, Deduct	-2.48	
For Tinted Glass, Add	6.90	
For Reflective Coated Glass, Add	12.42	
For Low-E Coated Glass, Add	6.90	
08 81 23 13-0009 SF 5/8" Thick, Clear Float Factory Installed Glass.....	33.03	
For >50 To 200, Deduct	-0.99	
For >200 To 400, Deduct	-1.98	
For >400, Deduct	-2.97	
For Tinted Glass, Add	8.26	
For Reflective Coated Glass, Add	14.86	
For Low-E Coated Glass, Add	8.26	
08 81 23 13-0010 SF 3/4" Thick, Clear Float Factory Installed Glass.....	40.80	
For >50 To 200, Deduct	-1.22	
For >200 To 400, Deduct	-2.45	
For >400, Deduct	-3.67	
For Tinted Glass, Add	10.20	
For Reflective Coated Glass, Add	18.36	
For Low-E Coated Glass, Add	10.20	
08 81 23 13-0011 Heat Treated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013 SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass.....	11.88	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.71	
For >400, Deduct	-1.07	
For Tinted Glass, Add	2.97	
For Reflective Coated Glass, Add	5.35	
For Low-E Coated Glass, Add	2.97	
08 81 23 13-0014 SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass.....	12.70	
For >50 To 200, Deduct	-0.38	
For >200 To 400, Deduct	-0.76	
For >400, Deduct	-1.14	
For Tinted Glass, Add	3.18	
For Reflective Coated Glass, Add	5.72	
For Low-E Coated Glass, Add	3.18	
08 81 23 13-0015 SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass.....	15.45	
For >50 To 200, Deduct	-0.46	
For >200 To 400, Deduct	-0.93	
For >400, Deduct	-1.39	
For Tinted Glass, Add	3.86	
For Reflective Coated Glass, Add	6.95	
For Low-E Coated Glass, Add	3.86	

08	08	Openings
	08 80	Glazing
	08 81	Glass Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0016 SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass.....	25.72	
For >50 To 200, Deduct	-0.77	
For >200 To 400, Deduct	-1.54	
For >400, Deduct	-2.31	
For Tinted Glass, Add	6.43	
For Reflective Coated Glass, Add	11.57	
For Low-E Coated Glass, Add	6.43	
08 81 23 13-0017 SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass.....	37.37	
For >50 To 200, Deduct	-1.12	
For >200 To 400, Deduct	-2.24	
For >400, Deduct	-3.36	
For Tinted Glass, Add	9.34	
For Reflective Coated Glass, Add	16.82	
For Low-E Coated Glass, Add	9.34	
08 81 23 13-0018 SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass.....	41.06	
For >50 To 200, Deduct	-1.23	
For >200 To 400, Deduct	-2.46	
For >400, Deduct	-3.70	
For Tinted Glass, Add	10.27	
For Reflective Coated Glass, Add	18.48	
For Low-E Coated Glass, Add	10.27	
08 81 23 13-0019 SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass.....	49.12	
For >50 To 200, Deduct	-1.47	
For >200 To 400, Deduct	-2.95	
For >400, Deduct	-4.42	
For Tinted Glass, Add	12.28	
For Reflective Coated Glass, Add	22.10	
For Low-E Coated Glass, Add	12.28	
08 81 23 13-0020 SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	60.68	
For >50 To 200, Deduct	-1.82	
For >200 To 400, Deduct	-3.64	
For >400, Deduct	-5.46	
For Tinted Glass, Add	15.17	
For Reflective Coated Glass, Add	27.31	
For Low-E Coated Glass, Add	15.17	
08 81 23 13-0021 Patterned Factory Installed Glass (08 81 23 13)		
08 81 23 13-0022 Rough Obscure, Factory Installed Glass (08 81 23 13-0021)		
Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023 SF 1/4" Thick, Rough Obscure, Factory Installed Glass.....	55.53	
08 81 23 13-0024 Patterned, Figured Factory Installed Glass (08 81 23 13-0021)		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025 SF 1/8" Thick, Patterned, Figured Factory Installed Glass.....	33.73	
08 81 23 13-0026 SF 7/32" Thick, Patterned, Figured Factory Installed Glass.....	33.73	
08 81 23 13-0027 Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027)		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass.....	87.31	
08 81 23 13-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	87.31	
08 81 23 13-0031 Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass.....	95.45	
08 81 23 13-0033 Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034 Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035 SF 1/8" Thick, Frosted Factory Installed Glass.....	44.15	
For >50 To 200, Deduct	-1.32	
For >200 To 400, Deduct	-2.65	
For >400, Deduct	-3.97	
08 81 23 13-0036 SF 3/16" Thick, Frosted Factory Installed Glass.....	57.92	
For >50 To 200, Deduct	-1.74	
For >200 To 400, Deduct	-3.48	
For >400, Deduct	-5.21	
08 81 23 13-0037 SF 1/4" Thick, Frosted Factory Installed Glass.....	73.21	
For >50 To 200, Deduct	-2.20	
For >200 To 400, Deduct	-4.39	
For >400, Deduct	-6.59	
08 81 23 13-0038 SF 3/8" Thick, Frosted Factory Installed Glass.....	109.44	
For >50 To 200, Deduct	-3.28	
For >200 To 400, Deduct	-6.57	
For >400, Deduct	-9.85	
08 81 23 13-0039 Fire Rated Factory Installed Glass (08 81 23 13)		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0040 Fire Rated Factory Installed Glass <small>(08 81 23 13-0039)</small>		
08 81 23 13-0041 SF 20 Minute, Fire Rated Factory Installed Glass	49.05	
08 81 23 13-0042 SF 45 Minute, Fire Rated Factory Installed Glass	97.66	
08 81 23 13-0043 SF 60 Minute, Fire Rated Factory Installed Glass	150.94	
08 81 23 13-0044 SF 90 Minute, Fire Rated Factory Installed Glass	199.77	
08 81 23 13-0045 Laminated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0046 Laminated Glass With PVB Interlayer, Factory Installed Glass <small>(08 81 23 13-0045)</small>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	27.97	
For >50 To 200, Deduct	-0.84	
For >200 To 400, Deduct	-1.68	
For >400, Deduct	-2.52	
For Tinted Glass, Add	5.59	
For Reflective Coated Glass, Add	8.39	
For Low-E Coated Glass, Add	6.99	
For One Piece Heat Strengthened Glass, Add	5.59	
For One Piece Fully Tempered Glass, Add	5.59	
08 81 23 13-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	34.91	
For >50 To 200, Deduct	-1.05	
For >200 To 400, Deduct	-2.09	
For >400, Deduct	-3.14	
For Tinted Glass, Add	6.98	
For Reflective Coated Glass, Add	10.47	
For Low-E Coated Glass, Add	8.73	
For One Piece Heat Strengthened Glass, Add	6.98	
For One Piece Fully Tempered Glass, Add	6.98	
08 81 23 13-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	40.34	
For >50 To 200, Deduct	-1.21	
For >200 To 400, Deduct	-2.42	
For >400, Deduct	-3.63	
For Tinted Glass, Add	8.07	
For Reflective Coated Glass, Add	12.10	
For Low-E Coated Glass, Add	10.09	
For One Piece Heat Strengthened Glass, Add	8.07	
For One Piece Fully Tempered Glass, Add	8.07	
08 81 23 13-0050 Insulated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0051 Insulated, Factory Installed Glass <small>(08 81 23 13-0050)</small>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052 3/16" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053 SF 3/8" Thick, Insulated Factory Installed Glass	20.87	
Note: Two 3/32" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.63	
For >200 To 400, Deduct	-1.25	
For >400, Deduct	-1.88	
For Tinted Glass, Add	3.13	
For Reflective Coated Glass, Add	6.26	
For Low-E Coated Glass, Add	5.22	
For One Piece Heat Strengthened Glass, Add	4.17	
For One Piece Fully Tempered Glass, Add	4.17	
For One Piece Obscure Glass, Add	8.87	
For Argon Gas, Add	2.87	
08 81 23 13-0054 SF 1/2" Thick, Insulated Factory Installed Glass	22.80	
Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For >50 To 200, Deduct	-0.68	
For >200 To 400, Deduct	-1.37	
For >400, Deduct	-2.05	
For Tinted Glass, Add	3.42	
For Reflective Coated Glass, Add	6.84	
For Low-E Coated Glass, Add	5.70	
For One Piece Heat Strengthened Glass, Add	4.56	
For One Piece Fully Tempered Glass, Add	4.56	
For One Piece Obscure Glass, Add	9.69	
For Argon Gas, Add	3.14	
08 81 23 13-0055 SF 9/16" Thick, Insulated Factory Installed Glass	22.84	
Note: Two 3/16" lites with 3/16" air space.		
For >50 To 200, Deduct	-0.69	
For >200 To 400, Deduct	-1.37	
For >400, Deduct	-2.06	
For Tinted Glass, Add	3.43	
For Reflective Coated Glass, Add	6.85	
For Low-E Coated Glass, Add	5.71	
For One Piece Heat Strengthened Glass, Add	4.57	
For One Piece Fully Tempered Glass, Add	4.57	
For One Piece Obscure Glass, Add	9.71	
For Argon Gas, Add	3.14	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass	21.48	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.64	
		For >200 To 400, Deduct	-1.29	
		For >400, Deduct	-1.93	
		For Tinted Glass, Add	3.22	
		For Reflective Coated Glass, Add	6.44	
		For Low-E Coated Glass, Add	5.37	
		For One Piece Heat Strengthened Glass, Add	4.30	
		For One Piece Fully Tempered Glass, Add	4.30	
		For One Piece Obscure Glass, Add	9.13	
		For Argon Gas, Add	2.95	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass	22.80	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.68	
		For >200 To 400, Deduct	-1.37	
		For >400, Deduct	-2.05	
		For Tinted Glass, Add	3.42	
		For Reflective Coated Glass, Add	6.84	
		For Low-E Coated Glass, Add	5.70	
		For One Piece Heat Strengthened Glass, Add	4.56	
		For One Piece Fully Tempered Glass, Add	4.56	
		For One Piece Obscure Glass, Add	9.69	
		For Argon Gas, Add	3.14	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass	23.06	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.69	
		For >200 To 400, Deduct	-1.38	
		For >400, Deduct	-2.08	
		For Tinted Glass, Add	3.46	
		For Reflective Coated Glass, Add	6.92	
		For Low-E Coated Glass, Add	5.77	
		For One Piece Heat Strengthened Glass, Add	4.61	
		For One Piece Fully Tempered Glass, Add	4.61	
		For One Piece Obscure Glass, Add	9.80	
		For Argon Gas, Add	3.17	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass	23.06	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	-0.69	
		For >200 To 400, Deduct	-1.38	
		For >400, Deduct	-2.08	
		For Tinted Glass, Add	3.46	
		For Reflective Coated Glass, Add	6.92	
		For Low-E Coated Glass, Add	5.77	
		For One Piece Heat Strengthened Glass, Add	4.61	
		For One Piece Fully Tempered Glass, Add	4.61	
		For One Piece Obscure Glass, Add	9.80	
		For Argon Gas, Add	3.17	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass	26.36	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.79	
		For >200 To 400, Deduct	-1.58	
		For >400, Deduct	-2.37	
		For Tinted Glass, Add	3.95	
		For Reflective Coated Glass, Add	7.91	
		For Low-E Coated Glass, Add	6.59	
		For One Piece Heat Strengthened Glass, Add	5.27	
		For One Piece Fully Tempered Glass, Add	5.27	
		For One Piece Obscure Glass, Add	11.20	
		For Argon Gas, Add	3.62	
08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass	23.06	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	-0.69	
		For >200 To 400, Deduct	-1.38	
		For >400, Deduct	-2.08	
		For Tinted Glass, Add	3.46	
		For Reflective Coated Glass, Add	6.92	
		For Low-E Coated Glass, Add	5.77	
		For One Piece Heat Strengthened Glass, Add	4.61	
		For One Piece Fully Tempered Glass, Add	4.61	
		For One Piece Obscure Glass, Add	9.80	
		For Argon Gas, Add	3.17	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0064 SF 3/4" Thick, Insulated Factory Installed Glass .....24.16 Note: Two 3/16" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Tinted Glass, Add	3.62	
For Reflective Coated Glass, Add	7.25	
For Low-E Coated Glass, Add	6.04	
For One Piece Heat Strengthened Glass, Add	4.83	
For One Piece Fully Tempered Glass, Add	4.83	
For One Piece Obscure Glass, Add	10.27	
For Argon Gas, Add	3.32	
08 81 23 13-0065 SF 7/8" Thick, Insulated Factory Installed Glass .....26.80 Note: Two 1/4" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.80	
For >200 To 400, Deduct	-1.61	
For >400, Deduct	-2.41	
For Tinted Glass, Add	4.02	
For Reflective Coated Glass, Add	8.04	
For Low-E Coated Glass, Add	6.70	
For One Piece Heat Strengthened Glass, Add	5.36	
For One Piece Fully Tempered Glass, Add	5.36	
For One Piece Obscure Glass, Add	11.39	
For Argon Gas, Add	3.69	
08 81 23 13-0066 SF 1" Thick, Insulated Factory Installed Glass .....30.27 Note: Two 5/16" lites with 3/8" air space.		
For >50 To 200, Deduct	-0.91	
For >200 To 400, Deduct	-1.82	
For >400, Deduct	-2.72	
For Tinted Glass, Add	4.54	
For Reflective Coated Glass, Add	9.08	
For Low-E Coated Glass, Add	7.57	
For One Piece Heat Strengthened Glass, Add	6.05	
For One Piece Fully Tempered Glass, Add	6.05	
For One Piece Obscure Glass, Add	12.86	
For Argon Gas, Add	4.16	
08 81 23 13-0067 1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0065)		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068 SF 3/4" Thick, Insulated Factory Installed Glass .....24.16 Note: Two 1/8" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.72	
For >200 To 400, Deduct	-1.45	
For >400, Deduct	-2.17	
For Tinted Glass, Add	3.62	
For Reflective Coated Glass, Add	7.25	
For Low-E Coated Glass, Add	6.04	
For One Piece Heat Strengthened Glass, Add	4.83	
For One Piece Fully Tempered Glass, Add	4.83	
For One Piece Obscure Glass, Add	10.27	
For Argon Gas, Add	3.32	
08 81 23 13-0069 SF 7/8" Thick, Insulated Factory Installed Glass .....26.80 Note: Two 3/16" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.80	
For >200 To 400, Deduct	-1.61	
For >400, Deduct	-2.41	
For Tinted Glass, Add	4.02	
For Reflective Coated Glass, Add	8.04	
For Low-E Coated Glass, Add	6.70	
For One Piece Heat Strengthened Glass, Add	5.36	
For One Piece Fully Tempered Glass, Add	5.36	
For One Piece Obscure Glass, Add	11.39	
For Argon Gas, Add	3.69	
08 81 23 13-0070 SF 7/8" Thick, Insulated Factory Installed Glass .....26.80 Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
For >50 To 200, Deduct	-0.80	
For >200 To 400, Deduct	-1.61	
For >400, Deduct	-2.41	
For Tinted Glass, Add	4.02	
For Reflective Coated Glass, Add	8.04	
For Low-E Coated Glass, Add	6.70	
For One Piece Heat Strengthened Glass, Add	5.36	
For One Piece Fully Tempered Glass, Add	5.36	
For One Piece Obscure Glass, Add	11.39	
For Argon Gas, Add	3.69	

08	08	Openings
	08 80	Glazing
	08 81	Glass Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0071 SF 1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	29.30	
For >50 To 200, Deduct	-0.88	
For >200 To 400, Deduct	-1.76	
For >400, Deduct	-2.64	
For Tinted Glass, Add	4.40	
For Reflective Coated Glass, Add	8.79	
For Low-E Coated Glass, Add	7.33	
For One Piece Heat Strengthened Glass, Add	5.86	
For One Piece Fully Tempered Glass, Add	5.86	
For One Piece Obscure Glass, Add	12.45	
For Argon Gas, Add	4.03	
08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass (08 81 23 13-0050)		
08 81 23 13-0073 SF 1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	82.04	
For >50 To 200, Deduct	-2.46	
For >200 To 400, Deduct	-4.92	
For >400, Deduct	-7.38	
For Tinted Glass, Add	12.31	
For Reflective Coated Glass, Add	24.61	
For Low-E Coated Glass, Add	20.51	
For Argon Gas, Add	11.28	
08 81 23 13-0074 SF 1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	99.62	
For >50 To 200, Deduct	-2.99	
For >200 To 400, Deduct	-5.98	
For >400, Deduct	-8.97	
For Tinted Glass, Add	14.94	
For Reflective Coated Glass, Add	29.89	
For Low-E Coated Glass, Add	24.91	
For Argon Gas, Add	13.70	
08 81 23 13-0075 SF 1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	117.20	
For >50 To 200, Deduct	-3.52	
For >200 To 400, Deduct	-7.03	
For >400, Deduct	-10.55	
For Tinted Glass, Add	17.58	
For Reflective Coated Glass, Add	35.16	
For Low-E Coated Glass, Add	29.30	
For Argon Gas, Add	16.12	
08 81 23 23 Field Installed Glass Glazing (08 81 23)		
08 81 23 23-0001 Heat Treated Field Installed Glass (08 81 23 23)		
08 81 23 23-0002 Tempered, Clear Float Field Installed Glass (08 81 23 23-0001) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003 SF 1/8" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	27.30 -0.36 -0.71 -1.07 15.42 2.97 5.35 2.97	
08 81 23 23-0004 SF 3/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	29.31 -0.38 -0.76 -1.14 16.61 3.18 5.72 3.18	
08 81 23 23-0005 SF 1/4" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	33.24 -0.46 -0.93 -1.39 17.79 3.86 6.95 3.86	
08 81 23 23-0006 SF 5/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	45.88 -0.77 -1.54 -2.31 20.16 6.43 11.57 6.43	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0007 SF 3/8" Thick, Tempered, Clear Float Field Installed Glass.....	59.91	
For >50 To 200, Deduct	-1.12	
For >200 To 400, Deduct	-2.24	
For >400, Deduct	-3.36	
For Glass Removal And Preparing Opening For New Glazing, Add	22.54	
For Tinted Glass, Add	9.34	
For Reflective Coated Glass, Add	16.82	
For Low-E Coated Glass, Add	9.34	
08 81 23 23-0008 SF 1/2" Thick, Tempered, Clear Float Field Installed Glass.....	65.97	
For >50 To 200, Deduct	-1.23	
For >200 To 400, Deduct	-2.46	
For >400, Deduct	-3.70	
For Glass Removal And Preparing Opening For New Glazing, Add	24.91	
For Tinted Glass, Add	10.27	
For Reflective Coated Glass, Add	18.48	
For Low-E Coated Glass, Add	10.27	
08 81 23 23-0009 SF 5/8" Thick, Tempered, Clear Float Field Installed Glass.....	79.96	
For >50 To 200, Deduct	-1.47	
For >200 To 400, Deduct	-2.95	
For >400, Deduct	-4.42	
For Glass Removal And Preparing Opening For New Glazing, Add	30.84	
For Tinted Glass, Add	12.28	
For Reflective Coated Glass, Add	22.10	
For Low-E Coated Glass, Add	12.28	
08 81 23 23-0010 SF 3/4" Thick, Tempered, Clear Float Field Installed Glass.....	97.45	
For >50 To 200, Deduct	-1.82	
For >200 To 400, Deduct	-3.64	
For >400, Deduct	-5.46	
For Glass Removal And Preparing Opening For New Glazing, Add	36.77	
For Tinted Glass, Add	15.17	
For Reflective Coated Glass, Add	27.31	
For Low-E Coated Glass, Add	15.17	
08 81 23 23-0011 Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0012 Clear Float Field Installed Glass (08 81 23 23-0011)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013 SF 1/8" Thick, Clear Float Field Installed Glass.....	23.41	
For >50 To 200, Deduct	-0.24	
For >200 To 400, Deduct	-0.48	
For >400, Deduct	-0.72	
For Glass Removal And Preparing Opening For New Glazing, Add	15.42	
For Tinted Glass, Add	2.00	
For Reflective Coated Glass, Add	3.60	
For Low-E Coated Glass, Add	2.00	
08 81 23 23-0014 SF 3/16" Thick, Clear Float Field Installed Glass.....	25.18	
For >50 To 200, Deduct	-0.26	
For >200 To 400, Deduct	-0.51	
For >400, Deduct	-0.77	
For Glass Removal And Preparing Opening For New Glazing, Add	16.61	
For Tinted Glass, Add	2.14	
For Reflective Coated Glass, Add	3.86	
For Low-E Coated Glass, Add	2.14	
08 81 23 23-0015 SF 1/4" Thick, Clear Float Field Installed Glass.....	28.18	
For >50 To 200, Deduct	-0.31	
For >200 To 400, Deduct	-0.62	
For >400, Deduct	-0.94	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
For Tinted Glass, Add	2.60	
For Reflective Coated Glass, Add	4.68	
For Low-E Coated Glass, Add	2.60	
08 81 23 23-0016 SF 5/16" Thick, Clear Float Field Installed Glass.....	37.43	
For >50 To 200, Deduct	-0.52	
For >200 To 400, Deduct	-1.04	
For >400, Deduct	-1.55	
For Glass Removal And Preparing Opening For New Glazing, Add	20.16	
For Tinted Glass, Add	4.32	
For Reflective Coated Glass, Add	7.77	
For Low-E Coated Glass, Add	4.32	
08 81 23 23-0017 SF 3/8" Thick, Clear Float Field Installed Glass.....	47.67	
For >50 To 200, Deduct	-0.75	
For >200 To 400, Deduct	-1.51	
For >400, Deduct	-2.26	
For Glass Removal And Preparing Opening For New Glazing, Add	22.54	
For Tinted Glass, Add	6.28	
For Reflective Coated Glass, Add	11.31	
For Low-E Coated Glass, Add	6.28	
08 81 23 23-0018 SF 1/2" Thick, Clear Float Field Installed Glass.....	52.52	
For >50 To 200, Deduct	-0.83	
For >200 To 400, Deduct	-1.66	
For >400, Deduct	-2.48	
For Glass Removal And Preparing Opening For New Glazing, Add	24.91	
For Tinted Glass, Add	6.90	
For Reflective Coated Glass, Add	12.42	
For Low-E Coated Glass, Add	6.90	

08	08	Openings
	08 80	Glazing
	08 81	Glass Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0019 SF 5/8" Thick, Clear Float Field Installed Glass	63.87	
For >50 To 200, Deduct	-0.99	
For >200 To 400, Deduct	-1.98	
For >400, Deduct	-2.97	
For Glass Removal And Preparing Opening For New Glazing, Add	30.84	
For Tinted Glass, Add	8.26	
For Reflective Coated Glass, Add	14.86	
For Low-E Coated Glass, Add	8.26	
08 81 23 23-0020 SF 3/4" Thick, Clear Float Field Installed Glass	77.57	
For >50 To 200, Deduct	-1.22	
For >200 To 400, Deduct	-2.45	
For >400, Deduct	-3.67	
For Glass Removal And Preparing Opening For New Glazing, Add	36.77	
For Tinted Glass, Add	10.20	
For Reflective Coated Glass, Add	18.36	
For Low-E Coated Glass, Add	10.20	
08 81 23 23-0021 Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022 Rough Obscure Field Installed Glass (08 81 23 23-0021)		
Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023 SF 1/4" Thick, Rough Obscure Field Installed Glass	73.32	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0024 Patterned, Figured Field Installed Glass (08 81 23 23-0021)		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025 SF 1/8" Thick, Patterned, Figured Field Installed Glass	49.15	
For Glass Removal And Preparing Opening For New Glazing, Add	15.42	
08 81 23 23-0026 SF 7/32" Thick, Patterned, Figured Field Installed Glass	50.93	
For Glass Removal And Preparing Opening For New Glazing, Add	17.20	
08 81 23 23-0027 Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029 SF 1/4" Thick, Square Pattern, Wired Field Installed Glass	105.10	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0030 SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass	105.10	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0031 Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032 SF 1/4" Thick, Polished, Wired Field Installed Glass	113.24	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0033 Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034 Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035 SF 1/8" Thick, Frosted Field Installed Glass	59.57	
For >50 To 200, Deduct	-1.32	
For >200 To 400, Deduct	-2.65	
For >400, Deduct	-3.97	
For Glass Removal And Preparing Opening For New Glazing, Add	15.42	
08 81 23 23-0036 SF 3/16" Thick, Frosted Field Installed Glass	74.53	
For >50 To 200, Deduct	-1.74	
For >200 To 400, Deduct	-3.48	
For >400, Deduct	-5.21	
For Glass Removal And Preparing Opening For New Glazing, Add	16.61	
08 81 23 23-0037 SF 1/4" Thick, Frosted Field Installed Glass	91.00	
For >50 To 200, Deduct	-2.20	
For >200 To 400, Deduct	-4.39	
For >400, Deduct	-6.59	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0038 SF 3/8" Thick, Frosted Field Installed Glass	131.98	
For >50 To 200, Deduct	-3.28	
For >200 To 400, Deduct	-6.57	
For >400, Deduct	-9.85	
For Glass Removal And Preparing Opening For New Glazing, Add	22.54	
08 81 23 23-0039 Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040 Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041 SF 20 Minute, Fire Rated Field Installed Glass	66.84	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0042 SF 45 Minute, Fire Rated Field Installed Glass	115.45	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0043 SF 60 Minute, Fire Rated Field Installed Glass	168.73	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	
08 81 23 23-0044 SF 90 Minute, Fire Rated Field Installed Glass	217.56	
For Glass Removal And Preparing Opening For New Glazing, Add	17.79	



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0045	Laminated Field Installed Glass <small>(08 81 23 23)</small>	
08 81 23 23-0046	Laminated Glass With PVB Interlayer, Field Installed Glass <small>(08 81 23 23-0045)</small> Note: Type I, Class I, Quality Q3.	
08 81 23 23-0047	SF 1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	45.76
	For >50 To 200, Deduct	-0.84
	For >200 To 400, Deduct	-1.68
	For >400, Deduct	-2.52
	For Glass Removal And Preparing Opening For New Glazing, Add	17.79
	For Tinted Glass, Add	5.59
	For Reflective Coated Glass, Add	8.39
	For Low-E Coated Glass, Add	6.99
	For One Piece Heat Strengthened Glass, Add	5.59
	For One Piece Fully Tempered Glass, Add	5.59
08 81 23 23-0048	SF 3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	57.45
	For >50 To 200, Deduct	-1.05
	For >200 To 400, Deduct	-2.09
	For >400, Deduct	-3.14
	For Glass Removal And Preparing Opening For New Glazing, Add	22.54
	For Tinted Glass, Add	6.98
	For Reflective Coated Glass, Add	10.47
	For Low-E Coated Glass, Add	8.73
	For One Piece Heat Strengthened Glass, Add	6.98
	For One Piece Fully Tempered Glass, Add	6.98
08 81 23 23-0049	SF 1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	65.25
	For >50 To 200, Deduct	-1.21
	For >200 To 400, Deduct	-2.42
	For >400, Deduct	-3.63
	For Glass Removal And Preparing Opening For New Glazing, Add	24.91
	For Tinted Glass, Add	8.07
	For Reflective Coated Glass, Add	12.10
	For Low-E Coated Glass, Add	10.09
	For One Piece Heat Strengthened Glass, Add	8.07
	For One Piece Fully Tempered Glass, Add	8.07
08 81 23 23-0050	SF 9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	73.26
	For >50 To 200, Deduct	-1.36
	For >200 To 400, Deduct	-2.72
	For >400, Deduct	-4.08
	For Glass Removal And Preparing Opening For New Glazing, Add	27.88
	For Tinted Glass, Add	9.08
	For Reflective Coated Glass, Add	13.61
	For Low-E Coated Glass, Add	11.35
	For One Piece Heat Strengthened Glass, Add	9.08
	For One Piece Fully Tempered Glass, Add	9.08
08 81 23 23-0051	Insulated Field Installed Glass <small>(08 81 23 23)</small>	
08 81 23 23-0052	Insulated Glass, Field Installed Glass <small>(08 81 23 23-0051)</small> Note: Type I, Class I, Quality Q3.	
08 81 23 23-0053	3/16" Air Space, Insulated, Field Installed Glass <small>(08 81 23 23-0052)</small> Note: Type I, Class I, Quality Q3.	
08 81 23 23-0054	SF 3/8" Thick, Insulated Field Installed Glass..... Note: Two 3/32" lites with 3/16" air space.	40.80
	For >50 To 200, Deduct	-0.63
	For >200 To 400, Deduct	-1.25
	For >400, Deduct	-1.88
	For Glass Removal And Preparing Opening For New Glazing, Add	19.93
	For Tinted Glass, Add	3.13
	For Reflective Coated Glass, Add	6.26
	For Low-E Coated Glass, Add	5.22
	For One Piece Heat Strengthened Glass, Add	4.17
	For One Piece Fully Tempered Glass, Add	4.17
	For One Piece Obscure Glass, Add	8.87
	For Argon Gas, Add	2.87
08 81 23 23-0055	SF 1/2" Thick, Insulated Field Installed Glass..... Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	43.56
	For >50 To 200, Deduct	-0.68
	For >200 To 400, Deduct	-1.37
	For >400, Deduct	-2.05
	For Glass Removal And Preparing Opening For New Glazing, Add	20.76
	For Tinted Glass, Add	3.42
	For Reflective Coated Glass, Add	6.84
	For Low-E Coated Glass, Add	5.70
	For One Piece Heat Strengthened Glass, Add	4.56
	For One Piece Fully Tempered Glass, Add	4.56
	For One Piece Obscure Glass, Add	9.69
	For Argon Gas, Add	3.14

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0056 SF 9/16" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/16" air space.	43.95	
For >50 To 200, Deduct	-0.69	
For >200 To 400, Deduct	-1.37	
For >400, Deduct	-2.06	
For Glass Removal And Preparing Opening For New Glazing, Add	21.11	
For Tinted Glass, Add	3.43	
For Reflective Coated Glass, Add	6.85	
For Low-E Coated Glass, Add	5.71	
For One Piece Heat Strengthened Glass, Add	4.57	
For One Piece Fully Tempered Glass, Add	4.57	
For One Piece Obscure Glass, Add	9.71	
For Argon Gas, Add	3.14	
08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058 SF 7/16" Thick, Insulated Field Installed Glass Note: Two 3/32" lites with 1/4" air space.	41.76	
For >50 To 200, Deduct	-0.64	
For >200 To 400, Deduct	-1.29	
For >400, Deduct	-1.93	
For Glass Removal And Preparing Opening For New Glazing, Add	20.28	
For Tinted Glass, Add	3.22	
For Reflective Coated Glass, Add	6.44	
For Low-E Coated Glass, Add	5.37	
For One Piece Heat Strengthened Glass, Add	4.30	
For One Piece Fully Tempered Glass, Add	4.30	
For One Piece Obscure Glass, Add	9.13	
For Argon Gas, Add	2.95	
08 81 23 23-0059 SF 1/2" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/4" air space.	43.56	
For >50 To 200, Deduct	-0.68	
For >200 To 400, Deduct	-1.37	
For >400, Deduct	-2.05	
For Glass Removal And Preparing Opening For New Glazing, Add	20.76	
For Tinted Glass, Add	3.42	
For Reflective Coated Glass, Add	6.84	
For Low-E Coated Glass, Add	5.70	
For One Piece Heat Strengthened Glass, Add	4.56	
For One Piece Fully Tempered Glass, Add	4.56	
For One Piece Obscure Glass, Add	9.69	
For Argon Gas, Add	3.14	
08 81 23 23-0060 SF 5/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/4" air space.	45.21	
For >50 To 200, Deduct	-0.69	
For >200 To 400, Deduct	-1.38	
For >400, Deduct	-2.08	
For Glass Removal And Preparing Opening For New Glazing, Add	22.15	
For Tinted Glass, Add	3.46	
For Reflective Coated Glass, Add	6.92	
For Low-E Coated Glass, Add	5.77	
For One Piece Heat Strengthened Glass, Add	4.61	
For One Piece Fully Tempered Glass, Add	4.61	
For One Piece Obscure Glass, Add	9.80	
For Argon Gas, Add	3.17	
08 81 23 23-0061 SF 5/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	45.21	
For >50 To 200, Deduct	-0.69	
For >200 To 400, Deduct	-1.38	
For >400, Deduct	-2.08	
For Glass Removal And Preparing Opening For New Glazing, Add	22.15	
For Tinted Glass, Add	3.46	
For Reflective Coated Glass, Add	6.92	
For Low-E Coated Glass, Add	5.77	
For One Piece Heat Strengthened Glass, Add	4.61	
For One Piece Fully Tempered Glass, Add	4.61	
For One Piece Obscure Glass, Add	9.80	
For Argon Gas, Add	3.17	
08 81 23 23-0062 SF 3/4" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/4" air space.	50.53	
For >50 To 200, Deduct	-0.79	
For >200 To 400, Deduct	-1.58	
For >400, Deduct	-2.37	
For Glass Removal And Preparing Opening For New Glazing, Add	24.17	
For Tinted Glass, Add	3.95	
For Reflective Coated Glass, Add	7.91	
For Low-E Coated Glass, Add	6.59	
For One Piece Heat Strengthened Glass, Add	5.27	
For One Piece Fully Tempered Glass, Add	5.27	
For One Piece Obscure Glass, Add	11.20	
For Argon Gas, Add	3.62	
08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
Note: Type I, Class I, Quality Q3.		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0064 SF 5/8" Thick, Insulated Field Installed Glass .....45.21 Note: Two 1/8" lites with 3/8" air space. For >50 To 200, Deduct -0.69 For >200 To 400, Deduct -1.38 For >400, Deduct -2.08 For Glass Removal And Preparing Opening For New Glazing, Add 22.15 For Tinted Glass, Add 3.46 For Reflective Coated Glass, Add 6.92 For Low-E Coated Glass, Add 5.77 For One Piece Heat Strengthened Glass, Add 4.61 For One Piece Fully Tempered Glass, Add 4.61 For One Piece Obscure Glass, Add 9.80 For Argon Gas, Add 3.17		
08 81 23 23-0065 SF 3/4" Thick, Insulated Field Installed Glass .....48.33 Note: Two 3/16" lites with 3/8" air space. For >50 To 200, Deduct -0.72 For >200 To 400, Deduct -1.45 For >400, Deduct -2.17 For Glass Removal And Preparing Opening For New Glazing, Add 24.17 For Tinted Glass, Add 3.62 For Reflective Coated Glass, Add 7.25 For Low-E Coated Glass, Add 6.04 For One Piece Heat Strengthened Glass, Add 4.83 For One Piece Fully Tempered Glass, Add 4.83 For One Piece Obscure Glass, Add 10.27 For Argon Gas, Add 3.32		
08 81 23 23-0066 SF 7/8" Thick, Insulated Field Installed Glass .....51.48 Note: Two 1/4" lites with 3/8" air space. For >50 To 200, Deduct -0.80 For >200 To 400, Deduct -1.61 For >400, Deduct -2.41 For Glass Removal And Preparing Opening For New Glazing, Add 24.68 For Tinted Glass, Add 4.02 For Reflective Coated Glass, Add 8.04 For Low-E Coated Glass, Add 6.70 For One Piece Heat Strengthened Glass, Add 5.36 For One Piece Fully Tempered Glass, Add 5.36 For One Piece Obscure Glass, Add 11.39 For Argon Gas, Add 3.69		
08 81 23 23-0067 SF 1" Thick, Insulated Field Installed Glass .....55.18 Note: Two 5/16" lites with 3/8" air space. For >50 To 200, Deduct -0.91 For >200 To 400, Deduct -1.82 For >400, Deduct -2.72 For Glass Removal And Preparing Opening For New Glazing, Add 24.91 For Tinted Glass, Add 4.54 For Reflective Coated Glass, Add 9.08 For Low-E Coated Glass, Add 7.57 For One Piece Heat Strengthened Glass, Add 6.05 For One Piece Fully Tempered Glass, Add 6.05 For One Piece Obscure Glass, Add 12.86 For Argon Gas, Add 4.16		
08 81 23 23-0068 1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
08 81 23 23-0069 SF 3/4" Thick, Insulated Field Installed Glass .....48.33 Note: Two 1/8" lites with 1/2" air space. For >50 To 200, Deduct -0.72 For >200 To 400, Deduct -1.45 For >400, Deduct -2.17 For Glass Removal And Preparing Opening For New Glazing, Add 24.17 For Tinted Glass, Add 3.62 For Reflective Coated Glass, Add 7.25 For Low-E Coated Glass, Add 6.04 For One Piece Heat Strengthened Glass, Add 4.83 For One Piece Fully Tempered Glass, Add 4.83 For One Piece Obscure Glass, Add 10.27 For Argon Gas, Add 3.32		
08 81 23 23-0070 SF 7/8" Thick, Insulated Field Installed Glass .....51.48 Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct -0.80 For >200 To 400, Deduct -1.61 For >400, Deduct -2.41 For Glass Removal And Preparing Opening For New Glazing, Add 24.68 For Tinted Glass, Add 4.02 For Reflective Coated Glass, Add 8.04 For Low-E Coated Glass, Add 6.70 For One Piece Heat Strengthened Glass, Add 5.36 For One Piece Fully Tempered Glass, Add 5.36 For One Piece Obscure Glass, Add 11.39 For Argon Gas, Add 3.69		

08	08	Openings
	08 80	Glazing
	08 81	Glass Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0071 SF 7/8" Thick, Insulated Field Installed Glass	51.48	
Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
For >50 To 200, Deduct	-0.80	
For >200 To 400, Deduct	-1.61	
For >400, Deduct	-2.41	
For Glass Removal And Preparing Opening For New Glazing, Add	24.68	
For Tinted Glass, Add	4.02	
For Reflective Coated Glass, Add	8.04	
For Low-E Coated Glass, Add	6.70	
For One Piece Heat Strengthened Glass, Add	5.36	
For One Piece Fully Tempered Glass, Add	5.36	
For One Piece Obscure Glass, Add	11.39	
For Argon Gas, Add	3.69	
08 81 23 23-0072 SF 1" Thick, Insulated Field Installed Glass	54.21	
Note: Two 1/4" lites with 1/2" air space.		
For >50 To 200, Deduct	-0.88	
For >200 To 400, Deduct	-1.76	
For >400, Deduct	-2.64	
For Glass Removal And Preparing Opening For New Glazing, Add	24.91	
For Tinted Glass, Add	4.40	
For Reflective Coated Glass, Add	8.79	
For Low-E Coated Glass, Add	7.33	
For One Piece Heat Strengthened Glass, Add	5.86	
For One Piece Fully Tempered Glass, Add	5.86	
For One Piece Obscure Glass, Add	12.45	
For Argon Gas, Add	4.03	
08 81 23 23-0073 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
08 81 23 23-0074 SF 1" Thick, Laminated Insulating Glass, Field Installed Glass	106.95	
Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
For >50 To 200, Deduct	-2.46	
For >200 To 400, Deduct	-4.92	
For >400, Deduct	-7.38	
For Glass Removal And Preparing Opening For New Glazing, Add	24.91	
For Tinted Glass, Add	12.31	
For Reflective Coated Glass, Add	24.61	
For Low-E Coated Glass, Add	20.51	
For Argon Gas, Add	11.28	
08 81 23 23-0075 SF 1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass	128.09	
Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
For >50 To 200, Deduct	-2.99	
For >200 To 400, Deduct	-5.98	
For >400, Deduct	-8.97	
For Glass Removal And Preparing Opening For New Glazing, Add	28.47	
For Tinted Glass, Add	14.94	
For Reflective Coated Glass, Add	29.89	
For Low-E Coated Glass, Add	24.91	
For Argon Gas, Add	13.70	
08 81 23 23-0076 SF 1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass	149.83	
Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
For >50 To 200, Deduct	-3.52	
For >200 To 400, Deduct	-7.03	
For >400, Deduct	-10.55	
For Glass Removal And Preparing Opening For New Glazing, Add	32.63	
For Tinted Glass, Add	17.58	
For Reflective Coated Glass, Add	35.16	
For Low-E Coated Glass, Add	29.30	
For Argon Gas, Add	16.12	
08 81 23 23-0077 Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0077)		
08 81 23 23-0079 SF 1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	41.33	
For Glass Removal And Preparing Opening For New Glazing, Add	19.77	
08 81 23 23-0080 SF 1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	36.70	
For Glass Removal And Preparing Opening For New Glazing, Add	19.77	
08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0077)		
08 81 23 23-0082 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0081) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0083 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	46.15	
For Glass Removal And Preparing Opening For New Glazing, Add	19.77	
08 81 23 23-0084 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	40.91	
For Glass Removal And Preparing Opening For New Glazing, Add	19.77	
08 81 23 23-0085 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0081)		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	55.25	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.77	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	44.96	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.77	

08 83 Mirrors (08 80)

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing (08 83)

08 83 13 00-0001 Mirror Glass (08 83 13)

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	89.50	8.90
		<i>For >50 To 200, Deduct</i>	-2.16	
		<i>For >200 To 400, Deduct</i>	-3.60	
		<i>For >400, Deduct</i>	-5.75	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	125.19	8.90
		<i>For >50 To 200, Deduct</i>	-3.23	
		<i>For >200 To 400, Deduct</i>	-5.38	
		<i>For >400, Deduct</i>	-8.61	

08 83 13 00-0006 Clear Mirror Glass (08 83 13 00-0001)

08 83 13 00-0007	SF	1/8" Clear Mirror Glass	30.21	7.12
		<i>For >50 To 200, Deduct</i>	-0.48	
		<i>For >200 To 400, Deduct</i>	-0.80	
		<i>For >400, Deduct</i>	-1.28	

08 83 13 00-0008	SF	3/16" Clear Mirror Glass	35.72	8.30
		<i>For >50 To 200, Deduct</i>	-0.58	
		<i>For >200 To 400, Deduct</i>	-0.97	
		<i>For >400, Deduct</i>	-1.55	

08 83 13 00-0009	SF	1/4" Clear Mirror Glass	39.16	8.90
		<i>For >50 To 200, Deduct</i>	-0.65	
		<i>For >200 To 400, Deduct</i>	-1.08	
		<i>For >400, Deduct</i>	-1.73	

08 83 13 00-0010 Tempered, Clear Mirror Glass (08 83 13 00-0001)

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	49.37	7.12
		<i>For >50 To 200, Deduct</i>	-1.05	
		<i>For >200 To 400, Deduct</i>	-1.76	
		<i>For >400, Deduct</i>	-2.81	

08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	56.05	8.30
		<i>For >50 To 200, Deduct</i>	-1.19	
		<i>For >200 To 400, Deduct</i>	-1.98	
		<i>For >400, Deduct</i>	-3.18	

08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	61.83	8.90
		<i>For >50 To 200, Deduct</i>	-1.33	
		<i>For >200 To 400, Deduct</i>	-2.21	
		<i>For >400, Deduct</i>	-3.54	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	41.96	8.90
		<i>For >50 To 200, Deduct</i>	-0.73	
		<i>For >200 To 400, Deduct</i>	-1.22	
		<i>For >400, Deduct</i>	-1.95	

08 83 13 00-0016 Laminated Safety Mirror Glass (08 83 13 00-0001)

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	79.95	8.90
		<i>For >50 To 200, Deduct</i>	-1.87	
		<i>For >200 To 400, Deduct</i>	-3.12	
		<i>For >400, Deduct</i>	-4.99	

08 83 13 00-0018 Accessories For Mirror Glass (08 83 13)

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	5.73	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	5.84	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	7.33	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	9.41	

08 84 Plastic Glazing (08 80)

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84)

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 Openings**08 80 Glazing****08 84 Plastic Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0002	SF		1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.51	
			<i>For >50 To 200, Deduct</i>	-0.47	
			<i>For >200 To 400, Deduct</i>	-0.93	
			<i>For >400, Deduct</i>	-1.40	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.19	
08 84 00 00-0003	SF		3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.60	
			<i>For >50 To 200, Deduct</i>	-0.50	
			<i>For >200 To 400, Deduct</i>	-1.00	
			<i>For >400, Deduct</i>	-1.50	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.62	
08 84 00 00-0004	SF		1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	25.61	
			<i>For >50 To 200, Deduct</i>	-0.68	
			<i>For >200 To 400, Deduct</i>	-1.35	
			<i>For >400, Deduct</i>	-2.03	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.09	
08 84 00 00-0005	SF		3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	36.73	
			<i>For >50 To 200, Deduct</i>	-1.21	
			<i>For >200 To 400, Deduct</i>	-2.43	
			<i>For >400, Deduct</i>	-3.64	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.44	
08 84 00 00-0006	SF		1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	46.36	
			<i>For >50 To 200, Deduct</i>	-1.65	
			<i>For >200 To 400, Deduct</i>	-3.30	
			<i>For >400, Deduct</i>	-4.95	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.35	
08 84 00 00-0007			Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) <small>(08 84)</small>		
08 84 00 00-0008	SF		1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	30.35	
			<i>For >50 To 200, Deduct</i>	-0.96	
			<i>For >200 To 400, Deduct</i>	-1.92	
			<i>For >400, Deduct</i>	-2.87	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.19	
08 84 00 00-0009	SF		3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	35.19	
			<i>For >50 To 200, Deduct</i>	-1.18	
			<i>For >200 To 400, Deduct</i>	-2.36	
			<i>For >400, Deduct</i>	-3.54	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.62	
08 84 00 00-0010	SF		1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	37.17	
			<i>For >50 To 200, Deduct</i>	-1.25	
			<i>For >200 To 400, Deduct</i>	-2.51	
			<i>For >400, Deduct</i>	-3.76	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.09	
08 84 00 00-0011	SF		3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	60.89	
			<i>For >50 To 200, Deduct</i>	-2.42	
			<i>For >200 To 400, Deduct</i>	-4.85	
			<i>For >400, Deduct</i>	-7.27	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.44	
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	64.70	
			<i>For >50 To 200, Deduct</i>	-2.57	
			<i>For >200 To 400, Deduct</i>	-5.14	
			<i>For >400, Deduct</i>	-7.70	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.35	
08 84 00 00-0013			Clear Acrylic Glazing (Plexiglas) <small>(08 84)</small>		
08 84 00 00-0014	SF		1/10" Thick, Clear Acrylic Glazing (Plexiglas)	14.84	
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400, Deduct</i>	-0.62	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.68	
			<i>For Colored, Add</i>	0.83	
			<i>For Shatterproof, Add</i>	2.50	
			<i>For Mirrored, Add</i>	3.33	
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas)	15.39	
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400, Deduct</i>	-0.63	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.19	
			<i>For Colored, Add</i>	0.84	
			<i>For Shatterproof, Add</i>	2.52	
			<i>For Mirrored, Add</i>	3.36	
08 84 00 00-0016	SF		3/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.18	
			<i>For >50 To 200, Deduct</i>	-0.33	
			<i>For >200 To 400, Deduct</i>	-0.66	
			<i>For >400, Deduct</i>	-0.98	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.62	
			<i>For Colored, Add</i>	1.31	
			<i>For Shatterproof, Add</i>	3.94	
			<i>For Mirrored, Add</i>	5.25	



Openings	08	08
Glazing	08 80	
Plastic Glazing	08 84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0017	SF		1/4" Thick, Clear Acrylic Glazing (Plexiglas).....	20.74	
			<i>For >50 To 200, Deduct</i>	-0.43	
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400, Deduct</i>	-1.30	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.09	
			<i>For Colored, Add</i>	1.73	
			<i>For Shatterproof, Add</i>	5.19	
			<i>For Mirrored, Add</i>	6.92	
08 84 00 00-0018	SF		5/16" Thick, Clear Acrylic Glazing (Plexiglas).....	21.22	
			<i>For >50 To 200, Deduct</i>	-0.45	
			<i>For >200 To 400, Deduct</i>	-0.91	
			<i>For >400, Deduct</i>	-1.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.16	
			<i>For Colored, Add</i>	1.81	
			<i>For Shatterproof, Add</i>	5.44	
			<i>For Mirrored, Add</i>	7.25	
08 84 00 00-0019	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas).....	21.91	
			<i>For >50 To 200, Deduct</i>	-0.47	
			<i>For >200 To 400, Deduct</i>	-0.95	
			<i>For >400, Deduct</i>	-1.42	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.44	
			<i>For Colored, Add</i>	1.89	
			<i>For Shatterproof, Add</i>	5.68	
			<i>For Mirrored, Add</i>	7.58	
08 84 00 00-0020	SF		1/2" Thick, Clear Acrylic Glazing (Plexiglas).....	25.87	
			<i>For >50 To 200, Deduct</i>	-0.63	
			<i>For >200 To 400, Deduct</i>	-1.25	
			<i>For >400, Deduct</i>	-1.88	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.35	
			<i>For Colored, Add</i>	2.50	
			<i>For Shatterproof, Add</i>	7.51	
			<i>For Mirrored, Add</i>	10.02	
08 84 00 00-0021	SF		3/4" Thick, Clear Acrylic Glazing (Plexiglas).....	36.39	
			<i>For >50 To 200, Deduct</i>	-0.98	
			<i>For >200 To 400, Deduct</i>	-1.95	
			<i>For >400, Deduct</i>	-2.93	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.89	
08 84 00 00-0022	SF		1" Thick, Clear Acrylic Glazing (Plexiglas).....	48.34	
			<i>For >50 To 200, Deduct</i>	-1.50	
			<i>For >200 To 400, Deduct</i>	-3.00	
			<i>For >400, Deduct</i>	-4.50	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.34	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001	LF		Framing For Glass Windscreens <small>(08 85)</small>		
			Note: Excludes glazing.		
08 85 00 00-0002	LF		1-1/4" x 1-1/2" Aluminum Framed Window Walls	42.67	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	5.50	
			<i>For Stainless Steel, Add</i>	22.31	
			<i>For Black Anodized Finish, Add</i>	9.90	
08 85 00 00-0003	LF		1-1/2" x 2" Aluminum Framed Window Walls.....	53.14	2.72
			<i>For Bronze Anodized Aluminum, Add</i>	6.99	
			<i>For Stainless Steel, Add</i>	28.30	
			<i>For Black Anodized Finish, Add</i>	12.59	
08 85 00 00-0004	LF		1-1/2" x 3" Aluminum Framed Window Walls.....	63.33	2.17
			<i>For Bronze Anodized Aluminum, Add</i>	8.36	
			<i>For Stainless Steel, Add</i>	33.81	
			<i>For Black Anodized Finish, Add</i>	15.04	
08 85 00 00-0005	LF		1-1/2" x 4" Aluminum Framed Window Walls.....	76.38	3.27
			<i>For Bronze Anodized Aluminum, Add</i>	9.99	
			<i>For Stainless Steel, Add</i>	40.44	
			<i>For Black Anodized Finish, Add</i>	17.98	
08 85 00 00-0006	LF		2" x 3" Aluminum Framed Window Walls.....	78.95	2.72
			<i>For Bronze Anodized Aluminum, Add</i>	10.62	
			<i>For Stainless Steel, Add</i>	42.88	
			<i>For Black Anodized Finish, Add</i>	19.11	
08 85 00 00-0007	LF		2" x 4" Aluminum Framed Window Walls.....	95.42	3.27
			<i>For Bronze Anodized Aluminum, Add</i>	12.68	
			<i>For Stainless Steel, Add</i>	51.27	
			<i>For Black Anodized Finish, Add</i>	22.83	

08 87 Glazing Surface Films (08 80)

08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001	SF		Window Tinting And Film <small>(08 87 13)</small>		
			Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.		
08 87 13 00-0002	SF		20% VLT, Bronze Window Tinting Film	11.31	
08 87 13 00-0003	SF		50% VLT, Bronze Window Tinting Film	11.31	
08 87 13 00-0004	SF		Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	17.57	

08	08	Openings
	08 80	Glazing
	08 87	Glazing Surface Films



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 87 13 00-0005 SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)..... 18.20

08 87 23 Safety and Security Films (08 87)

08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003 SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)..... 17.86
For >1,000 To 5,000, Deduct -0.81
For >5,000, Deduct -1.17

08 87 23 16-0004 SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)..... 19.05
For >1,000 To 5,000, Deduct -0.86
For >5,000, Deduct -1.29

08 87 23 16-0005 SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600) 20.71
For >1,000 To 5,000, Deduct -0.92
For >5,000, Deduct -1.45

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0007 SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)..... 20.37
For >1,000 To 5,000, Deduct -0.90
For >5,000, Deduct -1.42

08 87 23 16-0008 SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400) 20.37
For >1,000 To 5,000, Deduct -0.90
For >5,000, Deduct -1.42

08 87 23 16-0009 SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400) 20.37
For >1,000 To 5,000, Deduct -0.90
For >5,000, Deduct -1.42

08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011 SF 0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL) 16.54
For >1,000 To 5,000, Deduct -0.77
For >5,000, Deduct -1.03

08 87 23 16-0012 SF 0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL) 16.86
For >1,000 To 5,000, Deduct -0.78
For >5,000, Deduct -1.07

08 87 23 16-0013 SF 0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL) 19.86
For >1,000 To 5,000, Deduct -0.89
For >5,000, Deduct -1.37

08 87 23 16-0014 Anti-Graffiti Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015 SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)..... 16.54
For >1,000 To 5,000, Deduct -0.77
For >5,000, Deduct -1.03

08 87 23 16-0016 SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7) 16.86
For >1,000 To 5,000, Deduct -0.78
For >5,000, Deduct -1.07

08 88 Special Function Glazing (08 80)

08 88 49 Radiation-Resistant Glazing (08 88)

08 88 49 00-0001 Leaded Glass (X-Ray Shielding) (08 88 49)

08 88 49 00-0002 SF 1/4" Thick Lead Glass With 1/16" Lead Equivalence 368.54
For Glass Removal And Preparing Opening For New Glazing, Add 22.54

08 88 49 00-0003 SF 1/4" Thick Lead Glass With 1/8" Lead Equivalence 548.00
For Glass Removal And Preparing Opening For New Glazing, Add 22.54

08 88 53 Security Glazing (08 88)

08 88 53 00-0001 Forced Entry And/or Ballistic Resistant All Glass Laminate (08 88 53)

08 88 53 00-0002 Ballistic Resistant Glass (08 88 53 00-0001)

08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF 147.77
For Glass Removal And Preparing Opening For New Glazing, Add 73.55

08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF 172.92
For Glass Removal And Preparing Opening For New Glazing, Add 73.55

08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF 196.09
For Glass Removal And Preparing Opening For New Glazing, Add 83.03



Openings	08	08
Glazing	08 80	
Special Function Glazing	08 88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0006 SF 1.55" All Glass Laminated Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	217.09 83.03	
08 88 53 00-0007 SF 2.05" All Glass Laminated Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	246.78 94.90	
08 88 53 00-0008 SF 2.05" All Glass Laminated Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	263.66 94.90	
08 88 53 00-0009 Forced Entry Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0010 SF 5/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	54.14 18.54	
08 88 53 00-0011 SF 1/2" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	61.39 19.77	
08 88 53 00-0012 SF 11/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	69.95 21.18	
08 88 53 00-0013 SF 7/8" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	84.51 22.81	
08 88 53 00-0014 Glass Clad Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0015 SF 0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	215.34 90.15	
08 88 53 00-0016 SF 0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	240.96 104.39	
08 88 53 00-0017 SF 0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	307.21 118.62	
08 88 53 00-0018 Ballistic Resistant Acrylic <small>(08 88 53)</small>		
08 88 53 00-0019 SF 1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	366.54 90.15	
08 88 53 00-0020 SF 1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	429.55 104.39	
08 88 53 00-0021 SF 1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	573.84 118.62	
08 88 53 00-0022 Ballistic Resistant Fiberglass <small>(08 88 53)</small>		
08 88 53 00-0023 SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	91.25 45.08	
08 88 53 00-0024 SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	107.89 52.19	
08 88 53 00-0025 SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	122.39 59.31	
08 88 53 00-0026 Forced Entry And/or Ballistic Resistant Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate <small>(08 88 53 00-0026)</small> Note: GE-Lexan MR10.		
08 88 53 00-0028 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	125.76 71.89	
08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030 SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	155.47 88.96	
08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: GE-Lexgard MPC-500.		
08 88 53 00-0032 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	190.90 94.90	
08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034 SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	209.17 100.83	
08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminated <small>(08 88 53 00-0026)</small> Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036 SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	179.24 88.96	

08	08	Openings
	08 80	Glazing
	08 88	Special Function Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 88 53 00-0037	Ballistic And Forced Entry Resistant Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
08 88 53 00-0038	SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	413.45	
	Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	196.92	
08 88 53 00-0039	SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	418.56	
	Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	196.92	
08 88 53 00-0040	Ballistic Resistant Glass Clad Polycarbonate Laminate <small>(08 88 53 00-0026)</small>		
	Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant.....	275.20	
	Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).		
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	132.86	

08 90 Louvers and Vents (08)

08 91 Louvers (08 91)

08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001	Motorized Wall Louver Actuator <small>(08 91 13)</small>		
	See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA 115 Volt Actuator For Adjustable Intake Louver.....	2,215.63	116.89
08 91 13 00-0003	EA 230 Volt Actuator For Adjustable Intake Louver.....	3,420.93	116.89
08 91 13 00-0004	EA 24 Volt Actuator For Adjustable Intake Louver.....	2,387.43	116.89
08 91 13 00-0005	EA 115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	9,462.17	116.89

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001	Adjustable Intake Wall Louvers <small>(08 91 16)</small>		
	See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	613.52	30.94
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	55.16	
	<i>For Clear Lacquer Finish, Add</i>	110.33	
	<i>For Baked Enamel Standard Colors, Add</i>	165.49	
	<i>For Anodized Finish, Add</i>	220.66	
	<i>For Kynar® Standard Colors Finish, Add</i>	303.40	
08 91 16 00-0003	EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	766.86	37.82
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	69.12	
	<i>For Clear Lacquer Finish, Add</i>	138.25	
	<i>For Baked Enamel Standard Colors, Add</i>	207.37	
	<i>For Anodized Finish, Add</i>	276.49	
	<i>For Kynar® Standard Colors Finish, Add</i>	380.18	
08 91 16 00-0004	EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	906.78	44.70
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	81.74	
	<i>For Clear Lacquer Finish, Add</i>	163.48	
	<i>For Baked Enamel Standard Colors, Add</i>	245.22	
	<i>For Anodized Finish, Add</i>	326.96	
	<i>For Kynar® Standard Colors Finish, Add</i>	449.57	
08 91 16 00-0005	EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,061.46	51.57
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	95.83	
	<i>For Clear Lacquer Finish, Add</i>	191.67	
	<i>For Baked Enamel Standard Colors, Add</i>	287.50	
	<i>For Anodized Finish, Add</i>	383.33	
	<i>For Kynar® Standard Colors Finish, Add</i>	527.08	
08 91 16 00-0006	EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,196.02	58.44
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	107.91	
	<i>For Clear Lacquer Finish, Add</i>	215.83	
	<i>For Baked Enamel Standard Colors, Add</i>	323.74	
	<i>For Anodized Finish, Add</i>	431.65	
	<i>For Kynar® Standard Colors Finish, Add</i>	593.52	
08 91 16 00-0007	EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,412.44	65.31
	Note: Includes bird screen. Excludes actuator.		
	<i>For Flange Frame, Add</i>	128.18	
	<i>For Clear Lacquer Finish, Add</i>	256.36	
	<i>For Baked Enamel Standard Colors, Add</i>	384.54	
	<i>For Anodized Finish, Add</i>	512.72	
	<i>For Kynar® Standard Colors Finish, Add</i>	704.99	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,610.07	72.19
				<i>For Flange Frame, Add</i>	146.57	
				<i>For Clear Lacquer Finish, Add</i>	293.14	
				<i>For Baked Enamel Standard Colors, Add</i>	439.70	
				<i>For Anodized Finish, Add</i>	586.27	
				<i>For Kynar® Standard Colors Finish, Add</i>	806.12	
	08 91	16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,787.74	82.50
				<i>For Flange Frame, Add</i>	162.27	
				<i>For Clear Lacquer Finish, Add</i>	324.54	
				<i>For Baked Enamel Standard Colors, Add</i>	486.82	
				<i>For Anodized Finish, Add</i>	649.09	
				<i>For Kynar® Standard Colors Finish, Add</i>	892.50	
	08 91	16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,907.51	89.38
				<i>For Flange Frame, Add</i>	172.88	
				<i>For Clear Lacquer Finish, Add</i>	345.75	
				<i>For Baked Enamel Standard Colors, Add</i>	518.63	
				<i>For Anodized Finish, Add</i>	691.50	
				<i>For Kynar® Standard Colors Finish, Add</i>	950.81	
	08 91	16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,058.17	96.26
				<i>For Flange Frame, Add</i>	186.57	
				<i>For Clear Lacquer Finish, Add</i>	373.13	
				<i>For Baked Enamel Standard Colors, Add</i>	559.70	
				<i>For Anodized Finish, Add</i>	746.26	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,026.11	
	08 91	16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,190.04	103.13
				<i>For Flange Frame, Add</i>	198.38	
				<i>For Clear Lacquer Finish, Add</i>	396.75	
				<i>For Baked Enamel Standard Colors, Add</i>	595.13	
				<i>For Anodized Finish, Add</i>	793.51	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,091.07	
	08 91	16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,359.49	110.01
				<i>For Flange Frame, Add</i>	213.95	
				<i>For Clear Lacquer Finish, Add</i>	427.89	
				<i>For Baked Enamel Standard Colors, Add</i>	641.84	
				<i>For Anodized Finish, Add</i>	855.79	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,176.71	
	08 91	16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,522.22	116.89
				<i>For Flange Frame, Add</i>	228.85	
				<i>For Clear Lacquer Finish, Add</i>	457.69	
				<i>For Baked Enamel Standard Colors, Add</i>	686.54	
				<i>For Anodized Finish, Add</i>	915.38	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,258.65	
	08 91	16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,724.05	127.20
				<i>For Flange Frame, Add</i>	246.97	
				<i>For Clear Lacquer Finish, Add</i>	493.93	
				<i>For Baked Enamel Standard Colors, Add</i>	740.90	
				<i>For Anodized Finish, Add</i>	987.86	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,358.31	
	08 91	16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,872.19	137.51
				<i>For Flange Frame, Add</i>	259.72	
				<i>For Clear Lacquer Finish, Add</i>	519.43	
				<i>For Baked Enamel Standard Colors, Add</i>	779.15	
				<i>For Anodized Finish, Add</i>	1,038.86	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,428.44	
	08 91	16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	687.67	37.82
				<i>For Flange Frame, Add</i>	61.20	
				<i>For Clear Lacquer Finish, Add</i>	122.41	
				<i>For Baked Enamel Standard Colors, Add</i>	183.61	
				<i>For Anodized Finish, Add</i>	244.82	
				<i>For Kynar® Standard Colors Finish, Add</i>	336.62	
	08 91	16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	868.02	48.13
				<i>For Flange Frame, Add</i>	77.18	
				<i>For Clear Lacquer Finish, Add</i>	154.35	
				<i>For Baked Enamel Standard Colors, Add</i>	231.53	
				<i>For Anodized Finish, Add</i>	308.70	
				<i>For Kynar® Standard Colors Finish, Add</i>	424.47	
	08 91	16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,018.68	55.01
				<i>For Flange Frame, Add</i>	90.87	
				<i>For Clear Lacquer Finish, Add</i>	181.73	
				<i>For Baked Enamel Standard Colors, Add</i>	272.60	
				<i>For Anodized Finish, Add</i>	363.47	
				<i>For Kynar® Standard Colors Finish, Add</i>	499.77	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0020	EA		18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,267.64	68.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	113.01	
			For Clear Lacquer Finish, Add	226.03	
			For Baked Enamel Standard Colors, Add	339.04	
			For Anodized Finish, Add	452.05	
			For Kynar® Standard Colors Finish, Add	621.57	
08 91 16 00-0021	EA		18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,442.47	75.63
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.12	
			For Clear Lacquer Finish, Add	258.24	
			For Baked Enamel Standard Colors, Add	387.36	
			For Anodized Finish, Add	516.48	
			For Kynar® Standard Colors Finish, Add	710.16	
08 91 16 00-0022	EA		18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,617.28	82.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	145.23	
			For Clear Lacquer Finish, Add	290.45	
			For Baked Enamel Standard Colors, Add	435.68	
			For Anodized Finish, Add	580.90	
			For Kynar® Standard Colors Finish, Add	798.74	
08 91 16 00-0023	EA		18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,826.98	89.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.82	
			For Clear Lacquer Finish, Add	329.64	
			For Baked Enamel Standard Colors, Add	494.47	
			For Anodized Finish, Add	659.29	
			For Kynar® Standard Colors Finish, Add	906.52	
08 91 16 00-0024	EA		18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,026.12	99.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	182.67	
			For Clear Lacquer Finish, Add	365.35	
			For Baked Enamel Standard Colors, Add	548.02	
			For Anodized Finish, Add	730.69	
			For Kynar® Standard Colors Finish, Add	1,004.70	
08 91 16 00-0025	EA		18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,185.00	110.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	196.50	
			For Clear Lacquer Finish, Add	393.00	
			For Baked Enamel Standard Colors, Add	589.49	
			For Anodized Finish, Add	785.99	
			For Kynar® Standard Colors Finish, Add	1,080.74	
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,338.34	116.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	210.46	
			For Clear Lacquer Finish, Add	420.91	
			For Baked Enamel Standard Colors, Add	631.37	
			For Anodized Finish, Add	841.83	
			For Kynar® Standard Colors Finish, Add	1,157.51	
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,482.28	123.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	223.48	
			For Clear Lacquer Finish, Add	446.95	
			For Baked Enamel Standard Colors, Add	670.43	
			For Anodized Finish, Add	893.90	
			For Kynar® Standard Colors Finish, Add	1,229.12	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,669.19	130.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	240.79	
			For Clear Lacquer Finish, Add	481.58	
			For Baked Enamel Standard Colors, Add	722.37	
			For Anodized Finish, Add	963.16	
			For Kynar® Standard Colors Finish, Add	1,324.35	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,849.37	137.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	257.43	
			For Clear Lacquer Finish, Add	514.87	
			For Baked Enamel Standard Colors, Add	772.30	
			For Anodized Finish, Add	1,029.74	
			For Kynar® Standard Colors Finish, Add	1,415.89	
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,068.64	147.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	277.30	
			For Clear Lacquer Finish, Add	554.60	
			For Baked Enamel Standard Colors, Add	831.90	
			For Anodized Finish, Add	1,109.20	
			For Kynar® Standard Colors Finish, Add	1,525.14	
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,234.22	158.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	291.79	
			For Clear Lacquer Finish, Add	583.59	
			For Baked Enamel Standard Colors, Add	875.38	
			For Anodized Finish, Add	1,167.18	
			For Kynar® Standard Colors Finish, Add	1,604.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0032	EA			24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	768.53	44.70
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	67.92	
				For Clear Lacquer Finish, Add	135.83	
				For Baked Enamel Standard Colors, Add	203.75	
				For Anodized Finish, Add	271.66	
				For Kynar® Standard Colors Finish, Add	373.53	
08 91 16 00-0033	EA			24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	975.73	55.01
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	86.57	
				For Clear Lacquer Finish, Add	173.14	
				For Baked Enamel Standard Colors, Add	259.72	
				For Anodized Finish, Add	346.29	
				For Kynar® Standard Colors Finish, Add	476.15	
08 91 16 00-0034	EA			24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,209.77	65.31
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	107.91	
				For Clear Lacquer Finish, Add	215.83	
				For Baked Enamel Standard Colors, Add	323.74	
				For Anodized Finish, Add	431.65	
				For Kynar® Standard Colors Finish, Add	593.52	
08 91 16 00-0035	EA			24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,426.52	79.07
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	126.84	
				For Clear Lacquer Finish, Add	253.68	
				For Baked Enamel Standard Colors, Add	380.51	
				For Anodized Finish, Add	507.35	
				For Kynar® Standard Colors Finish, Add	697.61	
08 91 16 00-0036	EA			24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,618.79	85.94
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	144.69	
				For Clear Lacquer Finish, Add	289.38	
				For Baked Enamel Standard Colors, Add	434.07	
				For Anodized Finish, Add	578.76	
				For Kynar® Standard Colors Finish, Add	795.79	
08 91 16 00-0037	EA			24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,821.78	92.82
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	163.61	
				For Clear Lacquer Finish, Add	327.23	
				For Baked Enamel Standard Colors, Add	490.84	
				For Anodized Finish, Add	654.46	
				For Kynar® Standard Colors Finish, Add	899.88	
08 91 16 00-0038	EA			24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,071.93	103.13
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	186.57	
				For Clear Lacquer Finish, Add	373.13	
				For Baked Enamel Standard Colors, Add	559.70	
				For Anodized Finish, Add	746.26	
				For Kynar® Standard Colors Finish, Add	1,026.11	
08 91 16 00-0039	EA			24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,281.97	116.89
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	204.82	
				For Clear Lacquer Finish, Add	409.64	
				For Baked Enamel Standard Colors, Add	614.46	
				For Anodized Finish, Add	819.28	
				For Kynar® Standard Colors Finish, Add	1,126.51	
08 91 16 00-0040	EA			24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,446.04	123.76
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	219.85	
				For Clear Lacquer Finish, Add	439.70	
				For Baked Enamel Standard Colors, Add	659.56	
				For Anodized Finish, Add	879.41	
				For Kynar® Standard Colors Finish, Add	1,209.19	
08 91 16 00-0041	EA			24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,623.88	137.51
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	234.89	
				For Clear Lacquer Finish, Add	469.77	
				For Baked Enamel Standard Colors, Add	704.66	
				For Anodized Finish, Add	939.54	
				For Kynar® Standard Colors Finish, Add	1,291.87	
08 91 16 00-0042	EA			24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,790.64	144.39
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	250.19	
				For Clear Lacquer Finish, Add	500.37	
				For Baked Enamel Standard Colors, Add	750.56	
				For Anodized Finish, Add	1,000.74	
				For Kynar® Standard Colors Finish, Add	1,376.02	
08 91 16 00-0043	EA			24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,017.79	151.27
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	271.53	
				For Clear Lacquer Finish, Add	543.05	
				For Baked Enamel Standard Colors, Add	814.58	
				For Anodized Finish, Add	1,086.11	
				For Kynar® Standard Colors Finish, Add	1,493.40	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,210.06	158.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	289.38	
			For Clear Lacquer Finish, Add	578.76	
			For Baked Enamel Standard Colors, Add	868.13	
			For Anodized Finish, Add	1,157.51	
			For Kynar® Standard Colors Finish, Add	1,591.58	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,452.15	168.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	311.53	
			For Clear Lacquer Finish, Add	623.05	
			For Baked Enamel Standard Colors, Add	934.58	
			For Anodized Finish, Add	1,246.10	
			For Kynar® Standard Colors Finish, Add	1,713.39	
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,629.81	178.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	327.23	
			For Clear Lacquer Finish, Add	654.46	
			For Baked Enamel Standard Colors, Add	981.68	
			For Anodized Finish, Add	1,308.91	
			For Kynar® Standard Colors Finish, Add	1,799.75	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	856.10	51.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	75.30	
			For Clear Lacquer Finish, Add	150.59	
			For Baked Enamel Standard Colors, Add	225.89	
			For Anodized Finish, Add	301.19	
			For Kynar® Standard Colors Finish, Add	414.13	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,140.13	68.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	100.26	
			For Clear Lacquer Finish, Add	200.52	
			For Baked Enamel Standard Colors, Add	300.79	
			For Anodized Finish, Add	401.05	
			For Kynar® Standard Colors Finish, Add	551.44	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,354.04	79.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.59	
			For Clear Lacquer Finish, Add	239.18	
			For Baked Enamel Standard Colors, Add	358.77	
			For Anodized Finish, Add	478.36	
			For Kynar® Standard Colors Finish, Add	657.75	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,588.07	89.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	140.93	
			For Clear Lacquer Finish, Add	281.86	
			For Baked Enamel Standard Colors, Add	422.79	
			For Anodized Finish, Add	563.72	
			For Kynar® Standard Colors Finish, Add	775.12	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,797.78	96.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	160.53	
			For Clear Lacquer Finish, Add	321.05	
			For Baked Enamel Standard Colors, Add	481.58	
			For Anodized Finish, Add	642.11	
			For Kynar® Standard Colors Finish, Add	882.90	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,014.37	106.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	180.12	
			For Clear Lacquer Finish, Add	360.25	
			For Baked Enamel Standard Colors, Add	540.37	
			For Anodized Finish, Add	720.49	
			For Kynar® Standard Colors Finish, Add	990.68	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,275.09	113.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	204.82	
			For Clear Lacquer Finish, Add	409.64	
			For Baked Enamel Standard Colors, Add	614.46	
			For Anodized Finish, Add	819.28	
			For Kynar® Standard Colors Finish, Add	1,126.51	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,497.05	123.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	224.95	
			For Clear Lacquer Finish, Add	449.91	
			For Baked Enamel Standard Colors, Add	674.86	
			For Anodized Finish, Add	899.81	
			For Kynar® Standard Colors Finish, Add	1,237.24	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,679.92	130.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	241.86	
			For Clear Lacquer Finish, Add	483.73	
			For Baked Enamel Standard Colors, Add	725.59	
			For Anodized Finish, Add	967.46	
			For Kynar® Standard Colors Finish, Add	1,330.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0056	EA			30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,879.23	144.39
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	259.05	
				For Clear Lacquer Finish, Add	518.09	
				For Baked Enamel Standard Colors, Add	777.14	
				For Anodized Finish, Add	1,036.18	
				For Kynar® Standard Colors Finish, Add	1,424.75	
08 91 16 00-0057	EA			30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,070.31	154.70
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	276.09	
				For Clear Lacquer Finish, Add	552.18	
				For Baked Enamel Standard Colors, Add	828.27	
				For Anodized Finish, Add	1,104.36	
				For Kynar® Standard Colors Finish, Add	1,518.50	
08 91 16 00-0058	EA			30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,312.23	161.58
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	298.91	
				For Clear Lacquer Finish, Add	597.82	
				For Baked Enamel Standard Colors, Add	896.72	
				For Anodized Finish, Add	1,195.63	
				For Kynar® Standard Colors Finish, Add	1,643.99	
08 91 16 00-0059	EA			30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,521.94	168.46
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	318.50	
				For Clear Lacquer Finish, Add	637.01	
				For Baked Enamel Standard Colors, Add	955.51	
				For Anodized Finish, Add	1,274.02	
				For Kynar® Standard Colors Finish, Add	1,751.77	
08 91 16 00-0060	EA			30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,776.11	178.76
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	341.86	
				For Clear Lacquer Finish, Add	683.72	
				For Baked Enamel Standard Colors, Add	1,025.57	
				For Anodized Finish, Add	1,367.43	
				For Kynar® Standard Colors Finish, Add	1,880.22	
08 91 16 00-0061	EA			30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,977.94	189.08
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	359.98	
				For Clear Lacquer Finish, Add	719.96	
				For Baked Enamel Standard Colors, Add	1,079.93	
				For Anodized Finish, Add	1,439.91	
				For Kynar® Standard Colors Finish, Add	1,979.88	
08 91 16 00-0062	EA			36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	936.97	58.44
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	82.01	
				For Clear Lacquer Finish, Add	164.02	
				For Baked Enamel Standard Colors, Add	246.02	
				For Anodized Finish, Add	328.03	
				For Kynar® Standard Colors Finish, Add	451.04	
08 91 16 00-0063	EA			36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,269.32	75.63
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	111.81	
				For Clear Lacquer Finish, Add	223.61	
				For Baked Enamel Standard Colors, Add	335.42	
				For Anodized Finish, Add	447.22	
				For Kynar® Standard Colors Finish, Add	614.93	
08 91 16 00-0064	EA			36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,484.57	85.94
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	131.27	
				For Clear Lacquer Finish, Add	262.53	
				For Baked Enamel Standard Colors, Add	393.80	
				For Anodized Finish, Add	525.07	
				For Kynar® Standard Colors Finish, Add	721.97	
08 91 16 00-0065	EA			36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,741.41	96.26
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	154.89	
				For Clear Lacquer Finish, Add	309.78	
				For Baked Enamel Standard Colors, Add	464.67	
				For Anodized Finish, Add	619.56	
				For Kynar® Standard Colors Finish, Add	851.90	
08 91 16 00-0066	EA			36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,979.38	104.51
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	177.04	
				For Clear Lacquer Finish, Add	354.07	
				For Baked Enamel Standard Colors, Add	531.11	
				For Anodized Finish, Add	708.14	
				For Kynar® Standard Colors Finish, Add	973.70	
08 91 16 00-0067	EA			36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,202.61	113.45
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	197.57	
				For Clear Lacquer Finish, Add	395.14	
				For Baked Enamel Standard Colors, Add	592.72	
				For Anodized Finish, Add	790.29	
				For Kynar® Standard Colors Finish, Add	1,086.65	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,494.20	120.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	225.36	
			For Clear Lacquer Finish, Add	450.71	
			For Baked Enamel Standard Colors, Add	676.07	
			For Anodized Finish, Add	901.42	
			For Kynar® Standard Colors Finish, Add	1,239.45	
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,744.35	130.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	248.31	
			For Clear Lacquer Finish, Add	496.61	
			For Baked Enamel Standard Colors, Add	744.92	
			For Anodized Finish, Add	993.23	
			For Kynar® Standard Colors Finish, Add	1,365.69	
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,947.51	140.95
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	266.56	
			For Clear Lacquer Finish, Add	533.12	
			For Baked Enamel Standard Colors, Add	799.68	
			For Anodized Finish, Add	1,066.24	
			For Kynar® Standard Colors Finish, Add	1,466.09	
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,156.04	151.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	285.35	
			For Clear Lacquer Finish, Add	570.70	
			For Baked Enamel Standard Colors, Add	856.06	
			For Anodized Finish, Add	1,141.41	
			For Kynar® Standard Colors Finish, Add	1,569.44	
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,371.29	161.58
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	304.81	
			For Clear Lacquer Finish, Add	609.63	
			For Baked Enamel Standard Colors, Add	914.44	
			For Anodized Finish, Add	1,219.26	
			For Kynar® Standard Colors Finish, Add	1,676.48	
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,636.03	168.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	329.91	
			For Clear Lacquer Finish, Add	659.83	
			For Baked Enamel Standard Colors, Add	989.74	
			For Anodized Finish, Add	1,319.65	
			For Kynar® Standard Colors Finish, Add	1,814.52	
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,861.86	175.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	351.12	
			For Clear Lacquer Finish, Add	702.24	
			For Baked Enamel Standard Colors, Add	1,053.36	
			For Anodized Finish, Add	1,404.48	
			For Kynar® Standard Colors Finish, Add	1,931.16	
08 91 16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,149.58	185.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	377.83	
			For Clear Lacquer Finish, Add	755.66	
			For Baked Enamel Standard Colors, Add	1,133.49	
			For Anodized Finish, Add	1,511.32	
			For Kynar® Standard Colors Finish, Add	2,078.06	
08 91 16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,363.48	195.95
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	397.16	
			For Clear Lacquer Finish, Add	794.31	
			For Baked Enamel Standard Colors, Add	1,191.47	
			For Anodized Finish, Add	1,588.63	
			For Kynar® Standard Colors Finish, Add	2,184.36	
08 91 16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,072.86	65.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	94.22	
			For Clear Lacquer Finish, Add	188.44	
			For Baked Enamel Standard Colors, Add	282.67	
			For Anodized Finish, Add	376.89	
			For Kynar® Standard Colors Finish, Add	518.22	
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,368.97	82.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	120.40	
			For Clear Lacquer Finish, Add	240.79	
			For Baked Enamel Standard Colors, Add	361.19	
			For Anodized Finish, Add	481.58	
			For Kynar® Standard Colors Finish, Add	662.17	
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,608.37	92.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	142.27	
			For Clear Lacquer Finish, Add	284.55	
			For Baked Enamel Standard Colors, Add	426.82	
			For Anodized Finish, Add	569.09	
			For Kynar® Standard Colors Finish, Add	782.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,881.49	106.57
				<i>For Flange Frame, Add</i>	166.84	
				<i>For Clear Lacquer Finish, Add</i>	333.67	
				<i>For Baked Enamel Standard Colors, Add</i>	500.51	
				<i>For Anodized Finish, Add</i>	667.34	
				<i>For Kynar® Standard Colors Finish, Add</i>	917.59	
	08 91	16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,135.50	113.45
				<i>For Flange Frame, Add</i>	190.86	
				<i>For Clear Lacquer Finish, Add</i>	381.72	
				<i>For Baked Enamel Standard Colors, Add</i>	572.58	
				<i>For Anodized Finish, Add</i>	763.44	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,049.74	
	08 91	16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,376.09	120.32
				<i>For Flange Frame, Add</i>	213.54	
				<i>For Clear Lacquer Finish, Add</i>	427.09	
				<i>For Baked Enamel Standard Colors, Add</i>	640.63	
				<i>For Anodized Finish, Add</i>	854.18	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,174.49	
	08 91	16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,693.18	127.20
				<i>For Flange Frame, Add</i>	243.88	
				<i>For Clear Lacquer Finish, Add</i>	487.76	
				<i>For Baked Enamel Standard Colors, Add</i>	731.63	
				<i>For Anodized Finish, Add</i>	975.51	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,341.33	
	08 91	16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,947.35	137.51
				<i>For Flange Frame, Add</i>	267.23	
				<i>For Clear Lacquer Finish, Add</i>	534.46	
				<i>For Baked Enamel Standard Colors, Add</i>	801.70	
				<i>For Anodized Finish, Add</i>	1,068.93	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,469.78	
	08 91	16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,176.01	147.83
				<i>For Flange Frame, Add</i>	288.04	
				<i>For Clear Lacquer Finish, Add</i>	576.07	
				<i>For Baked Enamel Standard Colors, Add</i>	864.11	
				<i>For Anodized Finish, Add</i>	1,152.14	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,584.20	
	08 91	16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,389.92	158.14
				<i>For Flange Frame, Add</i>	307.36	
				<i>For Clear Lacquer Finish, Add</i>	614.73	
				<i>For Baked Enamel Standard Colors, Add</i>	922.09	
				<i>For Anodized Finish, Add</i>	1,229.46	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,690.50	
	08 91	16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,623.95	168.46
				<i>For Flange Frame, Add</i>	328.71	
				<i>For Clear Lacquer Finish, Add</i>	657.41	
				<i>For Baked Enamel Standard Colors, Add</i>	986.12	
				<i>For Anodized Finish, Add</i>	1,314.82	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,807.88	
	08 91	16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,908.83	175.33
				<i>For Flange Frame, Add</i>	355.82	
				<i>For Clear Lacquer Finish, Add</i>	711.63	
				<i>For Baked Enamel Standard Colors, Add</i>	1,067.45	
				<i>For Anodized Finish, Add</i>	1,423.27	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,956.99	
	08 91	16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,156.13	182.20
				<i>For Flange Frame, Add</i>	379.17	
				<i>For Clear Lacquer Finish, Add</i>	758.34	
				<i>For Baked Enamel Standard Colors, Add</i>	1,137.52	
				<i>For Anodized Finish, Add</i>	1,516.69	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,085.45	
	08 91	16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,478.75	192.51
				<i>For Flange Frame, Add</i>	409.37	
				<i>For Clear Lacquer Finish, Add</i>	818.74	
				<i>For Baked Enamel Standard Colors, Add</i>	1,228.11	
				<i>For Anodized Finish, Add</i>	1,637.48	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,251.54	
	08 91	16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,702.05	202.83
				<i>For Flange Frame, Add</i>	429.64	
				<i>For Clear Lacquer Finish, Add</i>	859.28	
				<i>For Baked Enamel Standard Colors, Add</i>	1,288.91	
				<i>For Anodized Finish, Add</i>	1,718.55	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,363.01	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,160.44	72.19
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	101.61	
			For Clear Lacquer Finish, Add	203.21	
			For Baked Enamel Standard Colors, Add	304.82	
			For Anodized Finish, Add	406.42	
			For Kynar® Standard Colors Finish, Add	558.83	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,475.33	89.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.66	
			For Clear Lacquer Finish, Add	259.31	
			For Baked Enamel Standard Colors, Add	388.97	
			For Anodized Finish, Add	518.63	
			For Kynar® Standard Colors Finish, Add	713.11	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,747.12	103.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.09	
			For Clear Lacquer Finish, Add	308.17	
			For Baked Enamel Standard Colors, Add	462.26	
			For Anodized Finish, Add	616.34	
			For Kynar® Standard Colors Finish, Add	847.47	
08 91 16 00-0095	EA		48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,028.12	113.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	180.12	
			For Clear Lacquer Finish, Add	360.25	
			For Baked Enamel Standard Colors, Add	540.37	
			For Anodized Finish, Add	720.49	
			For Kynar® Standard Colors Finish, Add	990.68	
08 91 16 00-0096	EA		48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,308.98	120.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	206.83	
			For Clear Lacquer Finish, Add	413.67	
			For Baked Enamel Standard Colors, Add	620.50	
			For Anodized Finish, Add	827.33	
			For Kynar® Standard Colors Finish, Add	1,137.58	
08 91 16 00-0097	EA		48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,580.43	127.20
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.60	
			For Clear Lacquer Finish, Add	465.21	
			For Baked Enamel Standard Colors, Add	697.81	
			For Anodized Finish, Add	930.41	
			For Kynar® Standard Colors Finish, Add	1,279.32	
08 91 16 00-0098	EA		48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,917.82	137.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	264.28	
			For Clear Lacquer Finish, Add	528.56	
			For Baked Enamel Standard Colors, Add	792.84	
			For Anodized Finish, Add	1,057.12	
			For Kynar® Standard Colors Finish, Add	1,453.53	
08 91 16 00-0099	EA		48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,196.14	147.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	290.05	
			For Clear Lacquer Finish, Add	580.10	
			For Baked Enamel Standard Colors, Add	870.15	
			For Anodized Finish, Add	1,160.20	
			For Kynar® Standard Colors Finish, Add	1,595.27	
08 91 16 00-0100	EA		48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,436.90	158.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	312.06	
			For Clear Lacquer Finish, Add	624.12	
			For Baked Enamel Standard Colors, Add	936.19	
			For Anodized Finish, Add	1,248.25	
			For Kynar® Standard Colors Finish, Add	1,716.34	
08 91 16 00-0101	EA		48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,681.66	168.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	334.48	
			For Clear Lacquer Finish, Add	668.95	
			For Baked Enamel Standard Colors, Add	1,003.43	
			For Anodized Finish, Add	1,337.90	
			For Kynar® Standard Colors Finish, Add	1,839.62	
08 91 16 00-0102	EA		48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,921.07	178.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	356.35	
			For Clear Lacquer Finish, Add	712.71	
			For Baked Enamel Standard Colors, Add	1,069.06	
			For Anodized Finish, Add	1,425.42	
			For Kynar® Standard Colors Finish, Add	1,959.95	
08 91 16 00-0103	EA		48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,243.54	185.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	387.23	
			For Clear Lacquer Finish, Add	774.45	
			For Baked Enamel Standard Colors, Add	1,161.68	
			For Anodized Finish, Add	1,548.90	
			For Kynar® Standard Colors Finish, Add	2,129.74	



Openings	08
Louvers and Vents	08 90
Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0104	EA		48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,510.96	192.51
			<i>For Flange Frame, Add</i>	412.59	
			<i>For Clear Lacquer Finish, Add</i>	825.18	
			<i>For Baked Enamel Standard Colors, Add</i>	1,237.78	
			<i>For Anodized Finish, Add</i>	1,650.37	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,269.26	
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,841.47	199.39
			<i>For Flange Frame, Add</i>	444.27	
			<i>For Clear Lacquer Finish, Add</i>	888.54	
			<i>For Baked Enamel Standard Colors, Add</i>	1,332.80	
			<i>For Anodized Finish, Add</i>	1,777.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,443.47	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,087.58	209.70
			<i>For Flange Frame, Add</i>	466.82	
			<i>For Clear Lacquer Finish, Add</i>	933.63	
			<i>For Baked Enamel Standard Colors, Add</i>	1,400.45	
			<i>For Anodized Finish, Add</i>	1,867.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,567.49	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,347.50	82.50
			<i>For Flange Frame, Add</i>	118.25	
			<i>For Clear Lacquer Finish, Add</i>	236.50	
			<i>For Baked Enamel Standard Colors, Add</i>	354.74	
			<i>For Anodized Finish, Add</i>	472.99	
			<i>For Kynar® Standard Colors Finish, Add</i>	650.36	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,729.50	99.70
			<i>For Flange Frame, Add</i>	153.01	
			<i>For Clear Lacquer Finish, Add</i>	306.02	
			<i>For Baked Enamel Standard Colors, Add</i>	459.03	
			<i>For Anodized Finish, Add</i>	612.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	841.56	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,026.95	116.89
			<i>For Flange Frame, Add</i>	179.32	
			<i>For Clear Lacquer Finish, Add</i>	358.64	
			<i>For Baked Enamel Standard Colors, Add</i>	537.95	
			<i>For Anodized Finish, Add</i>	717.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	986.25	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,331.96	123.76
			<i>For Flange Frame, Add</i>	208.44	
			<i>For Clear Lacquer Finish, Add</i>	416.89	
			<i>For Baked Enamel Standard Colors, Add</i>	625.33	
			<i>For Anodized Finish, Add</i>	833.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,146.44	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,663.82	130.64
			<i>For Flange Frame, Add</i>	240.25	
			<i>For Clear Lacquer Finish, Add</i>	480.51	
			<i>For Baked Enamel Standard Colors, Add</i>	720.76	
			<i>For Anodized Finish, Add</i>	961.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,321.40	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,960.77	137.51
			<i>For Flange Frame, Add</i>	268.57	
			<i>For Clear Lacquer Finish, Add</i>	537.15	
			<i>For Baked Enamel Standard Colors, Add</i>	805.72	
			<i>For Anodized Finish, Add</i>	1,074.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,477.16	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,353.18	147.83
			<i>For Flange Frame, Add</i>	305.75	
			<i>For Clear Lacquer Finish, Add</i>	611.51	
			<i>For Baked Enamel Standard Colors, Add</i>	917.26	
			<i>For Anodized Finish, Add</i>	1,223.01	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,681.64	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,734.86	158.14
			<i>For Flange Frame, Add</i>	341.86	
			<i>For Clear Lacquer Finish, Add</i>	683.72	
			<i>For Baked Enamel Standard Colors, Add</i>	1,025.57	
			<i>For Anodized Finish, Add</i>	1,367.43	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,880.22	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,019.90	168.46
			<i>For Flange Frame, Add</i>	368.30	
			<i>For Clear Lacquer Finish, Add</i>	736.60	
			<i>For Baked Enamel Standard Colors, Add</i>	1,104.90	
			<i>For Anodized Finish, Add</i>	1,473.20	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,025.65	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	4,300.91	178.76
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	394.34	
			<i>For Clear Lacquer Finish, Add</i>	788.68	
			<i>For Baked Enamel Standard Colors, Add</i>	1,183.01	
			<i>For Anodized Finish, Add</i>	1,577.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,168.86	
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,572.38	185.64
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	420.11	
			<i>For Clear Lacquer Finish, Add</i>	840.22	
			<i>For Baked Enamel Standard Colors, Add</i>	1,260.33	
			<i>For Anodized Finish, Add</i>	1,680.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,310.60	
08 91 16 00-0118	EA		54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,932.41	192.51
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	454.74	
			<i>For Clear Lacquer Finish, Add</i>	909.47	
			<i>For Baked Enamel Standard Colors, Add</i>	1,364.21	
			<i>For Anodized Finish, Add</i>	1,818.95	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,501.05	
08 91 16 00-0119	EA		54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	5,232.05	199.39
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	483.33	
			<i>For Clear Lacquer Finish, Add</i>	966.65	
			<i>For Baked Enamel Standard Colors, Add</i>	1,449.98	
			<i>For Anodized Finish, Add</i>	1,933.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,658.29	
08 91 16 00-0120	EA		54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,618.92	206.27
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	520.64	
			<i>For Clear Lacquer Finish, Add</i>	1,041.28	
			<i>For Baked Enamel Standard Colors, Add</i>	1,561.92	
			<i>For Anodized Finish, Add</i>	2,082.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,863.51	
08 91 16 00-0121	EA		54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,906.65	216.58
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	547.35	
			<i>For Clear Lacquer Finish, Add</i>	1,094.70	
			<i>For Baked Enamel Standard Colors, Add</i>	1,642.05	
			<i>For Anodized Finish, Add</i>	2,189.40	
			<i>For Kynar® Standard Colors Finish, Add</i>	3,010.42	
08 91 16 00-0122	EA		60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,429.69	89.38
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	125.09	
			<i>For Clear Lacquer Finish, Add</i>	250.19	
			<i>For Baked Enamel Standard Colors, Add</i>	375.28	
			<i>For Anodized Finish, Add</i>	500.37	
			<i>For Kynar® Standard Colors Finish, Add</i>	688.01	
08 91 16 00-0123	EA		60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,842.74	110.01
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	162.27	
			<i>For Clear Lacquer Finish, Add</i>	324.54	
			<i>For Baked Enamel Standard Colors, Add</i>	486.82	
			<i>For Anodized Finish, Add</i>	649.09	
			<i>For Kynar® Standard Colors Finish, Add</i>	892.50	
08 91 16 00-0124	EA		60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	2,148.08	123.76
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	190.06	
			<i>For Clear Lacquer Finish, Add</i>	380.11	
			<i>For Baked Enamel Standard Colors, Add</i>	570.17	
			<i>For Anodized Finish, Add</i>	760.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,045.31	
08 91 16 00-0125	EA		60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,483.96	130.64
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	222.27	
			<i>For Clear Lacquer Finish, Add</i>	444.54	
			<i>For Baked Enamel Standard Colors, Add</i>	666.80	
			<i>For Anodized Finish, Add</i>	889.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,222.47	
08 91 16 00-0126	EA		60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,834.76	140.95
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	255.29	
			<i>For Clear Lacquer Finish, Add</i>	510.57	
			<i>For Baked Enamel Standard Colors, Add</i>	765.86	
			<i>For Anodized Finish, Add</i>	1,021.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,404.07	
08 91 16 00-0127	EA		60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	3,149.17	147.83
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	285.35	
			<i>For Clear Lacquer Finish, Add</i>	570.70	
			<i>For Baked Enamel Standard Colors, Add</i>	856.06	
			<i>For Anodized Finish, Add</i>	1,141.41	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,569.44	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	3,569.77	158.14
				<i>For Flange Frame, Add</i>	325.35	
				<i>For Clear Lacquer Finish, Add</i>	650.70	
				<i>For Baked Enamel Standard Colors, Add</i>	976.05	
				<i>For Anodized Finish, Add</i>	1,301.40	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,789.42	
	08 91	16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	3,962.18	168.46
				<i>For Flange Frame, Add</i>	362.53	
				<i>For Clear Lacquer Finish, Add</i>	725.06	
				<i>For Baked Enamel Standard Colors, Add</i>	1,087.58	
				<i>For Anodized Finish, Add</i>	1,450.11	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,993.90	
	08 91	16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	4,267.36	178.76
				<i>For Flange Frame, Add</i>	390.98	
				<i>For Clear Lacquer Finish, Add</i>	781.97	
				<i>For Baked Enamel Standard Colors, Add</i>	1,172.95	
				<i>For Anodized Finish, Add</i>	1,563.93	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,150.41	
	08 91	16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	4,567.17	189.08
				<i>For Flange Frame, Add</i>	418.90	
				<i>For Clear Lacquer Finish, Add</i>	837.80	
				<i>For Baked Enamel Standard Colors, Add</i>	1,256.70	
				<i>For Anodized Finish, Add</i>	1,675.60	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,303.96	
	08 91	16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	4,856.07	195.95
				<i>For Flange Frame, Add</i>	446.42	
				<i>For Clear Lacquer Finish, Add</i>	892.83	
				<i>For Baked Enamel Standard Colors, Add</i>	1,339.25	
				<i>For Anodized Finish, Add</i>	1,785.66	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,455.29	
	08 91	16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	5,246.99	202.83
				<i>For Flange Frame, Add</i>	484.13	
				<i>For Clear Lacquer Finish, Add</i>	968.26	
				<i>For Baked Enamel Standard Colors, Add</i>	1,452.40	
				<i>For Anodized Finish, Add</i>	1,936.53	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,662.73	
	08 91	16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	5,561.38	209.70
				<i>For Flange Frame, Add</i>	514.20	
				<i>For Clear Lacquer Finish, Add</i>	1,028.39	
				<i>For Baked Enamel Standard Colors, Add</i>	1,542.59	
				<i>For Anodized Finish, Add</i>	2,056.79	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,828.08	
	08 91	16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	5,968.39	216.58
				<i>For Flange Frame, Add</i>	553.52	
				<i>For Clear Lacquer Finish, Add</i>	1,107.05	
				<i>For Baked Enamel Standard Colors, Add</i>	1,660.57	
				<i>For Anodized Finish, Add</i>	2,214.09	
				<i>For Kynar® Standard Colors Finish, Add</i>	3,044.38	
	08 91	16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	6,266.69	223.46
				<i>For Flange Frame, Add</i>	581.98	
				<i>For Clear Lacquer Finish, Add</i>	1,163.96	
				<i>For Baked Enamel Standard Colors, Add</i>	1,745.93	
				<i>For Anodized Finish, Add</i>	2,327.91	
				<i>For Kynar® Standard Colors Finish, Add</i>	3,200.88	
	08 91	16 00-0137		Adjustable Intake Wall Louvers Operators <small>(08 91 16)</small>		
		08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver.....	358.67	34.38
		08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver.....	803.29	13.75
	08 91 19			Fixed Louvers <small>(08 91)</small>		
	08 91 19 00-0001			Fixed Intake Wall Louvers <small>(08 91 19)</small>		
		08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	467.22	30.94
				<i>For Flange Frame, Add</i>	40.53	
				<i>For Clear Lacquer Finish, Add</i>	81.07	
				<i>For Baked Enamel Standard Colors, Add</i>	121.60	
				<i>For Anodized Finish, Add</i>	162.14	
				<i>For Kynar® Standard Colors Finish, Add</i>	222.94	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	554.80	37.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	47.92	
			For Clear Lacquer Finish, Add	95.83	
			For Baked Enamel Standard Colors, Add	143.75	
			For Anodized Finish, Add	191.67	
			For Kynar® Standard Colors Finish, Add	263.54	
08 91	19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	643.71	44.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.43	
			For Clear Lacquer Finish, Add	110.87	
			For Baked Enamel Standard Colors, Add	166.30	
			For Anodized Finish, Add	221.73	
			For Kynar® Standard Colors Finish, Add	304.88	
08 91	19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	755.44	51.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	65.23	
			For Clear Lacquer Finish, Add	130.46	
			For Baked Enamel Standard Colors, Add	195.69	
			For Anodized Finish, Add	260.92	
			For Kynar® Standard Colors Finish, Add	358.77	
08 91	19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	849.73	58.44
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.28	
			For Clear Lacquer Finish, Add	146.57	
			For Baked Enamel Standard Colors, Add	219.85	
			For Anodized Finish, Add	293.14	
			For Kynar® Standard Colors Finish, Add	403.06	
08 91	19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,003.07	65.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	87.24	
			For Clear Lacquer Finish, Add	174.49	
			For Baked Enamel Standard Colors, Add	261.73	
			For Anodized Finish, Add	348.97	
			For Kynar® Standard Colors Finish, Add	479.84	
08 91	19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,086.61	72.19
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	94.22	
			For Clear Lacquer Finish, Add	188.44	
			For Baked Enamel Standard Colors, Add	282.67	
			For Anodized Finish, Add	376.89	
			For Kynar® Standard Colors Finish, Add	518.22	
08 91	19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,214.62	82.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	104.96	
			For Clear Lacquer Finish, Add	209.92	
			For Baked Enamel Standard Colors, Add	314.88	
			For Anodized Finish, Add	419.84	
			For Kynar® Standard Colors Finish, Add	577.28	
08 91	19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,291.44	89.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.27	
			For Clear Lacquer Finish, Add	222.54	
			For Baked Enamel Standard Colors, Add	333.80	
			For Anodized Finish, Add	445.07	
			For Kynar® Standard Colors Finish, Add	611.97	
08 91	19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,396.46	96.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	120.40	
			For Clear Lacquer Finish, Add	240.79	
			For Baked Enamel Standard Colors, Add	361.19	
			For Anodized Finish, Add	481.58	
			For Kynar® Standard Colors Finish, Add	662.17	
08 91	19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,488.07	103.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	128.18	
			For Clear Lacquer Finish, Add	256.36	
			For Baked Enamel Standard Colors, Add	384.54	
			For Anodized Finish, Add	512.72	
			For Kynar® Standard Colors Finish, Add	704.99	
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,597.12	110.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.71	
			For Clear Lacquer Finish, Add	275.42	
			For Baked Enamel Standard Colors, Add	413.13	
			For Anodized Finish, Add	550.84	
			For Kynar® Standard Colors Finish, Add	757.41	
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,699.45	116.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	146.57	
			For Clear Lacquer Finish, Add	293.14	
			For Baked Enamel Standard Colors, Add	439.70	
			For Anodized Finish, Add	586.27	
			For Kynar® Standard Colors Finish, Add	806.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0015	EA		12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,789.88	127.20
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	153.55	
				For Clear Lacquer Finish, Add	307.10	
				For Baked Enamel Standard Colors, Add	460.64	
				For Anodized Finish, Add	614.19	
				For Kynar® Standard Colors Finish, Add	844.51	
08 91	19 00-0016	EA		12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,911.17	137.51
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	163.61	
				For Clear Lacquer Finish, Add	327.23	
				For Baked Enamel Standard Colors, Add	490.84	
				For Anodized Finish, Add	654.46	
				For Kynar® Standard Colors Finish, Add	899.88	
08 91	19 00-0017	EA		18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	542.72	37.82
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	46.71	
				For Clear Lacquer Finish, Add	93.42	
				For Baked Enamel Standard Colors, Add	140.13	
				For Anodized Finish, Add	186.84	
				For Kynar® Standard Colors Finish, Add	256.90	
08 91	19 00-0018	EA		18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	650.59	48.13
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	55.43	
				For Clear Lacquer Finish, Add	110.87	
				For Baked Enamel Standard Colors, Add	166.30	
				For Anodized Finish, Add	221.73	
				For Kynar® Standard Colors Finish, Add	304.88	
08 91	19 00-0019	EA		18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	754.27	55.01
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	64.43	
				For Clear Lacquer Finish, Add	128.85	
				For Baked Enamel Standard Colors, Add	193.28	
				For Anodized Finish, Add	257.70	
				For Kynar® Standard Colors Finish, Add	354.34	
08 91	19 00-0020	EA		18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	945.51	68.75
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	80.80	
				For Clear Lacquer Finish, Add	161.60	
				For Baked Enamel Standard Colors, Add	242.40	
				For Anodized Finish, Add	323.20	
				For Kynar® Standard Colors Finish, Add	444.40	
08 91	19 00-0021	EA		18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,085.44	75.63
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	93.42	
				For Clear Lacquer Finish, Add	186.83	
				For Baked Enamel Standard Colors, Add	280.25	
				For Anodized Finish, Add	373.67	
				For Kynar® Standard Colors Finish, Add	513.79	
08 91	19 00-0022	EA		18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,209.25	82.50
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	104.42	
				For Clear Lacquer Finish, Add	208.85	
				For Baked Enamel Standard Colors, Add	313.27	
				For Anodized Finish, Add	417.69	
				For Kynar® Standard Colors Finish, Add	574.33	
08 91	19 00-0023	EA		18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,296.81	89.38
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	111.81	
				For Clear Lacquer Finish, Add	223.61	
				For Baked Enamel Standard Colors, Add	335.42	
				For Anodized Finish, Add	447.22	
				For Kynar® Standard Colors Finish, Add	614.93	
08 91	19 00-0024	EA		18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,443.61	99.70
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	124.42	
				For Clear Lacquer Finish, Add	248.84	
				For Baked Enamel Standard Colors, Add	373.27	
				For Anodized Finish, Add	497.69	
				For Kynar® Standard Colors Finish, Add	684.32	
08 91	19 00-0025	EA		18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,546.11	110.01
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	132.61	
				For Clear Lacquer Finish, Add	265.22	
				For Baked Enamel Standard Colors, Add	397.83	
				For Anodized Finish, Add	530.44	
				For Kynar® Standard Colors Finish, Add	729.35	
08 91	19 00-0026	EA		18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,680.66	116.89
				Note: Includes bird screen. Excludes actuator.		
				For Flange Frame, Add	144.69	
				For Clear Lacquer Finish, Add	289.38	
				For Baked Enamel Standard Colors, Add	434.07	
				For Anodized Finish, Add	578.76	
				For Kynar® Standard Colors Finish, Add	795.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,783.00	123.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	153.55	
			For Clear Lacquer Finish, Add	307.10	
			For Baked Enamel Standard Colors, Add	460.64	
			For Anodized Finish, Add	614.19	
			For Kynar® Standard Colors Finish, Add	844.51	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,897.42	130.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.61	
			For Clear Lacquer Finish, Add	327.23	
			For Baked Enamel Standard Colors, Add	490.84	
			For Anodized Finish, Add	654.46	
			For Kynar® Standard Colors Finish, Add	899.88	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,017.21	137.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.22	
			For Clear Lacquer Finish, Add	348.44	
			For Baked Enamel Standard Colors, Add	522.65	
			For Anodized Finish, Add	696.87	
			For Kynar® Standard Colors Finish, Add	958.20	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,122.38	147.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	182.67	
			For Clear Lacquer Finish, Add	365.35	
			For Baked Enamel Standard Colors, Add	548.02	
			For Anodized Finish, Add	730.69	
			For Kynar® Standard Colors Finish, Add	1,004.70	
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,269.18	158.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	195.29	
			For Clear Lacquer Finish, Add	390.58	
			For Baked Enamel Standard Colors, Add	585.87	
			For Anodized Finish, Add	781.16	
			For Kynar® Standard Colors Finish, Add	1,074.10	
08 91	19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	627.60	44.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.82	
			For Clear Lacquer Finish, Add	107.64	
			For Baked Enamel Standard Colors, Add	161.47	
			For Anodized Finish, Add	215.29	
			For Kynar® Standard Colors Finish, Add	296.02	
08 91	19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	747.55	55.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	63.75	
			For Clear Lacquer Finish, Add	127.51	
			For Baked Enamel Standard Colors, Add	191.26	
			For Anodized Finish, Add	255.02	
			For Kynar® Standard Colors Finish, Add	350.65	
08 91	19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	926.56	65.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	79.59	
			For Clear Lacquer Finish, Add	159.18	
			For Baked Enamel Standard Colors, Add	238.78	
			For Anodized Finish, Add	318.37	
			For Kynar® Standard Colors Finish, Add	437.76	
08 91	19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,092.31	79.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	93.42	
			For Clear Lacquer Finish, Add	186.83	
			For Baked Enamel Standard Colors, Add	280.25	
			For Anodized Finish, Add	373.67	
			For Kynar® Standard Colors Finish, Add	513.79	
08 91	19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,251.03	85.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	107.91	
			For Clear Lacquer Finish, Add	215.83	
			For Baked Enamel Standard Colors, Add	323.74	
			For Anodized Finish, Add	431.65	
			For Kynar® Standard Colors Finish, Add	593.52	
08 91	19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,397.65	92.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	121.20	
			For Clear Lacquer Finish, Add	242.40	
			For Baked Enamel Standard Colors, Add	363.60	
			For Anodized Finish, Add	484.80	
			For Kynar® Standard Colors Finish, Add	666.61	
08 91	19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,518.94	103.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	131.27	
			For Clear Lacquer Finish, Add	262.53	
			For Baked Enamel Standard Colors, Add	393.80	
			For Anodized Finish, Add	525.07	
			For Kynar® Standard Colors Finish, Add	721.97	



	Openings	08
	Louvers and Vents	08 90
	Louvers	08 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0039	EA		24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,680.66	116.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	144.69	
			For Clear Lacquer Finish, Add	289.38	
			For Baked Enamel Standard Colors, Add	434.07	
			For Anodized Finish, Add	578.76	
			For Kynar® Standard Colors Finish, Add	795.79	
08 91 19 00-0040	EA		24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,788.37	123.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.09	
			For Clear Lacquer Finish, Add	308.17	
			For Baked Enamel Standard Colors, Add	462.26	
			For Anodized Finish, Add	616.34	
			For Kynar® Standard Colors Finish, Add	847.47	
08 91 19 00-0041	EA		24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,964.86	137.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	168.98	
			For Clear Lacquer Finish, Add	337.97	
			For Baked Enamel Standard Colors, Add	506.95	
			For Anodized Finish, Add	675.93	
			For Kynar® Standard Colors Finish, Add	929.41	
08 91 19 00-0042	EA		24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,076.59	144.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	178.78	
			For Clear Lacquer Finish, Add	357.56	
			For Baked Enamel Standard Colors, Add	536.34	
			For Anodized Finish, Add	715.12	
			For Kynar® Standard Colors Finish, Add	983.30	
08 91 19 00-0043	EA		24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,221.87	151.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	191.94	
			For Clear Lacquer Finish, Add	383.87	
			For Baked Enamel Standard Colors, Add	575.81	
			For Anodized Finish, Add	767.74	
			For Kynar® Standard Colors Finish, Add	1,055.64	
08 91 19 00-0044	EA		24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,364.48	158.14
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	204.82	
			For Clear Lacquer Finish, Add	409.64	
			For Baked Enamel Standard Colors, Add	614.46	
			For Anodized Finish, Add	819.28	
			For Kynar® Standard Colors Finish, Add	1,126.51	
08 91 19 00-0045	EA		24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,472.34	168.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	213.54	
			For Clear Lacquer Finish, Add	427.09	
			For Baked Enamel Standard Colors, Add	640.63	
			For Anodized Finish, Add	854.18	
			For Kynar® Standard Colors Finish, Add	1,174.49	
08 91 19 00-0046	EA		24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,651.35	178.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	229.38	
			For Clear Lacquer Finish, Add	458.76	
			For Baked Enamel Standard Colors, Add	688.15	
			For Anodized Finish, Add	917.53	
			For Kynar® Standard Colors Finish, Add	1,261.60	
08 91 19 00-0047	EA		30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	703.09	51.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	60.00	
			For Clear Lacquer Finish, Add	119.99	
			For Baked Enamel Standard Colors, Add	179.99	
			For Anodized Finish, Add	239.98	
			For Kynar® Standard Colors Finish, Add	329.98	
08 91 19 00-0048	EA		30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	909.27	68.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	77.18	
			For Clear Lacquer Finish, Add	154.35	
			For Baked Enamel Standard Colors, Add	231.53	
			For Anodized Finish, Add	308.70	
			For Kynar® Standard Colors Finish, Add	424.47	
08 91 19 00-0049	EA		30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,061.44	79.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	90.33	
			For Clear Lacquer Finish, Add	180.66	
			For Baked Enamel Standard Colors, Add	270.99	
			For Anodized Finish, Add	361.32	
			For Kynar® Standard Colors Finish, Add	496.82	
08 91 19 00-0050	EA		30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,239.10	89.38
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	106.03	
			For Clear Lacquer Finish, Add	212.07	
			For Baked Enamel Standard Colors, Add	318.10	
			For Anodized Finish, Add	424.14	
			For Kynar® Standard Colors Finish, Add	583.19	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0051	EA		30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,430.02	96.26
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	123.75	
			<i>For Clear Lacquer Finish, Add</i>	247.50	
			<i>For Baked Enamel Standard Colors, Add</i>	371.25	
			<i>For Anodized Finish, Add</i>	495.00	
			<i>For Kynar® Standard Colors Finish, Add</i>	680.63	
08 91 19 00-0052	EA		30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,590.24	106.57
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	137.71	
			<i>For Clear Lacquer Finish, Add</i>	275.42	
			<i>For Baked Enamel Standard Colors, Add</i>	413.13	
			<i>For Anodized Finish, Add</i>	550.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	757.41	
08 91 19 00-0053	EA		30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,710.02	113.45
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	148.31	
			<i>For Clear Lacquer Finish, Add</i>	296.63	
			<i>For Baked Enamel Standard Colors, Add</i>	444.94	
			<i>For Anodized Finish, Add</i>	593.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	815.72	
08 91 19 00-0054	EA		30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,878.29	123.76
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	163.08	
			<i>For Clear Lacquer Finish, Add</i>	326.15	
			<i>For Baked Enamel Standard Colors, Add</i>	489.23	
			<i>For Anodized Finish, Add</i>	652.31	
			<i>For Kynar® Standard Colors Finish, Add</i>	896.92	
08 91 19 00-0055	EA		30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,012.85	130.64
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	175.16	
			<i>For Clear Lacquer Finish, Add</i>	350.31	
			<i>For Baked Enamel Standard Colors, Add</i>	525.47	
			<i>For Anodized Finish, Add</i>	700.63	
			<i>For Kynar® Standard Colors Finish, Add</i>	963.36	
08 91 19 00-0056	EA		30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,217.52	144.39
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	192.87	
			<i>For Clear Lacquer Finish, Add</i>	385.75	
			<i>For Baked Enamel Standard Colors, Add</i>	578.62	
			<i>For Anodized Finish, Add</i>	771.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,060.81	
08 91 19 00-0057	EA		30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,348.20	154.70
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	203.88	
			<i>For Clear Lacquer Finish, Add</i>	407.76	
			<i>For Baked Enamel Standard Colors, Add</i>	611.64	
			<i>For Anodized Finish, Add</i>	815.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,121.34	
08 91 19 00-0058	EA		30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,502.88	161.58
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	217.97	
			<i>For Clear Lacquer Finish, Add</i>	435.95	
			<i>For Baked Enamel Standard Colors, Add</i>	653.92	
			<i>For Anodized Finish, Add</i>	871.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,198.85	
08 91 19 00-0059	EA		30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,656.22	168.46
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	231.93	
			<i>For Clear Lacquer Finish, Add</i>	463.86	
			<i>For Baked Enamel Standard Colors, Add</i>	695.80	
			<i>For Anodized Finish, Add</i>	927.73	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,275.63	
08 91 19 00-0060	EA		30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,784.23	178.76
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	242.67	
			<i>For Clear Lacquer Finish, Add</i>	485.34	
			<i>For Baked Enamel Standard Colors, Add</i>	728.01	
			<i>For Anodized Finish, Add</i>	970.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,334.69	
08 91 19 00-0061	EA		30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,987.40	189.08
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	260.92	
			<i>For Clear Lacquer Finish, Add</i>	521.85	
			<i>For Baked Enamel Standard Colors, Add</i>	782.77	
			<i>For Anodized Finish, Add</i>	1,043.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,435.08	
08 91 19 00-0062	EA		36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	779.94	58.44
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	66.31	
			<i>For Clear Lacquer Finish, Add</i>	132.61	
			<i>For Baked Enamel Standard Colors, Add</i>	198.92	
			<i>For Anodized Finish, Add</i>	265.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	364.68	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,023.70	75.63
				<i>For Flange Frame, Add</i>	87.24	
				<i>For Clear Lacquer Finish, Add</i>	174.49	
				<i>For Baked Enamel Standard Colors, Add</i>	261.73	
				<i>For Anodized Finish, Add</i>	348.97	
				<i>For Kynar® Standard Colors Finish, Add</i>	479.84	
	08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,183.92	85.94
				<i>For Flange Frame, Add</i>	101.20	
				<i>For Clear Lacquer Finish, Add</i>	202.40	
				<i>For Baked Enamel Standard Colors, Add</i>	303.61	
				<i>For Anodized Finish, Add</i>	404.81	
				<i>For Kynar® Standard Colors Finish, Add</i>	556.61	
	08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,374.99	96.26
				<i>For Flange Frame, Add</i>	118.25	
				<i>For Clear Lacquer Finish, Add</i>	236.50	
				<i>For Baked Enamel Standard Colors, Add</i>	354.74	
				<i>For Anodized Finish, Add</i>	472.99	
				<i>For Kynar® Standard Colors Finish, Add</i>	650.36	
	08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,590.14	104.51
				<i>For Flange Frame, Add</i>	138.11	
				<i>For Clear Lacquer Finish, Add</i>	276.22	
				<i>For Baked Enamel Standard Colors, Add</i>	414.34	
				<i>For Anodized Finish, Add</i>	552.45	
				<i>For Kynar® Standard Colors Finish, Add</i>	759.62	
	08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,757.00	113.45
				<i>For Flange Frame, Add</i>	153.01	
				<i>For Clear Lacquer Finish, Add</i>	306.02	
				<i>For Baked Enamel Standard Colors, Add</i>	459.03	
				<i>For Anodized Finish, Add</i>	612.04	
				<i>For Kynar® Standard Colors Finish, Add</i>	841.56	
	08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,900.95	120.32
				<i>For Flange Frame, Add</i>	166.03	
				<i>For Clear Lacquer Finish, Add</i>	332.06	
				<i>For Baked Enamel Standard Colors, Add</i>	498.09	
				<i>For Anodized Finish, Add</i>	664.12	
				<i>For Kynar® Standard Colors Finish, Add</i>	913.17	
	08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,093.38	130.64
				<i>For Flange Frame, Add</i>	183.21	
				<i>For Clear Lacquer Finish, Add</i>	366.42	
				<i>For Baked Enamel Standard Colors, Add</i>	549.63	
				<i>For Anodized Finish, Add</i>	732.84	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,007.66	
	08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,238.83	140.95
				<i>For Flange Frame, Add</i>	195.69	
				<i>For Clear Lacquer Finish, Add</i>	391.39	
				<i>For Baked Enamel Standard Colors, Add</i>	587.08	
				<i>For Anodized Finish, Add</i>	782.77	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,076.31	
	08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,470.17	151.27
				<i>For Flange Frame, Add</i>	216.77	
				<i>For Clear Lacquer Finish, Add</i>	433.53	
				<i>For Baked Enamel Standard Colors, Add</i>	650.30	
				<i>For Anodized Finish, Add</i>	867.06	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,192.21	
	08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,622.34	161.58
				<i>For Flange Frame, Add</i>	229.92	
				<i>For Clear Lacquer Finish, Add</i>	459.84	
				<i>For Baked Enamel Standard Colors, Add</i>	689.76	
				<i>For Anodized Finish, Add</i>	919.68	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,264.55	
	08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,787.76	168.46
				<i>For Flange Frame, Add</i>	245.09	
				<i>For Clear Lacquer Finish, Add</i>	490.17	
				<i>For Baked Enamel Standard Colors, Add</i>	735.26	
				<i>For Anodized Finish, Add</i>	980.34	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,347.97	
	08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,959.90	175.33
				<i>For Flange Frame, Add</i>	260.92	
				<i>For Clear Lacquer Finish, Add</i>	521.85	
				<i>For Baked Enamel Standard Colors, Add</i>	782.77	
				<i>For Anodized Finish, Add</i>	1,043.70	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,435.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0075	EA		36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,106.69	185.64
			Note: Includes bird screen.		
			For Flange Frame, Add	273.54	
			For Clear Lacquer Finish, Add	547.08	
			For Baked Enamel Standard Colors, Add	820.62	
			For Anodized Finish, Add	1,094.16	
			For Kynar® Standard Colors Finish, Add	1,504.47	
08 91 19 00-0076	EA		36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,336.70	195.95
			Note: Includes bird screen.		
			For Flange Frame, Add	294.48	
			For Clear Lacquer Finish, Add	588.96	
			For Baked Enamel Standard Colors, Add	883.44	
			For Anodized Finish, Add	1,177.92	
			For Kynar® Standard Colors Finish, Add	1,619.63	
08 91 19 00-0077	EA		42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	907.77	65.31
			Note: Includes bird screen.		
			For Flange Frame, Add	77.71	
			For Clear Lacquer Finish, Add	155.43	
			For Baked Enamel Standard Colors, Add	233.14	
			For Anodized Finish, Add	310.85	
			For Kynar® Standard Colors Finish, Add	427.42	
08 91 19 00-0078	EA		42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,112.61	82.50
			Note: Includes bird screen.		
			For Flange Frame, Add	94.76	
			For Clear Lacquer Finish, Add	189.52	
			For Baked Enamel Standard Colors, Add	284.28	
			For Anodized Finish, Add	379.04	
			For Kynar® Standard Colors Finish, Add	521.17	
08 91 19 00-0079	EA		42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,290.27	92.82
			Note: Includes bird screen.		
			For Flange Frame, Add	110.46	
			For Clear Lacquer Finish, Add	220.93	
			For Baked Enamel Standard Colors, Add	331.39	
			For Anodized Finish, Add	441.85	
			For Kynar® Standard Colors Finish, Add	607.55	
08 91 19 00-0080	EA		42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,509.71	106.57
			Note: Includes bird screen.		
			For Flange Frame, Add	129.66	
			For Clear Lacquer Finish, Add	259.31	
			For Baked Enamel Standard Colors, Add	388.97	
			For Anodized Finish, Add	518.63	
			For Kynar® Standard Colors Finish, Add	713.11	
08 91 19 00-0081	EA		42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,743.58	113.45
			Note: Includes bird screen.		
			For Flange Frame, Add	151.67	
			For Clear Lacquer Finish, Add	303.34	
			For Baked Enamel Standard Colors, Add	455.01	
			For Anodized Finish, Add	606.68	
			For Kynar® Standard Colors Finish, Add	834.18	
08 91 19 00-0082	EA		42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,930.48	120.32
			Note: Includes bird screen.		
			For Flange Frame, Add	168.98	
			For Clear Lacquer Finish, Add	337.97	
			For Baked Enamel Standard Colors, Add	506.95	
			For Anodized Finish, Add	675.93	
			For Kynar® Standard Colors Finish, Add	929.41	
08 91 19 00-0083	EA		42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,091.87	127.20
			Note: Includes bird screen.		
			For Flange Frame, Add	183.75	
			For Clear Lacquer Finish, Add	367.49	
			For Baked Enamel Standard Colors, Add	551.24	
			For Anodized Finish, Add	734.99	
			For Kynar® Standard Colors Finish, Add	1,010.61	
08 91 19 00-0084	EA		42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,284.30	137.51
			Note: Includes bird screen.		
			For Flange Frame, Add	200.93	
			For Clear Lacquer Finish, Add	401.85	
			For Baked Enamel Standard Colors, Add	602.78	
			For Anodized Finish, Add	803.71	
			For Kynar® Standard Colors Finish, Add	1,105.10	
08 91 19 00-0085	EA		42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,448.54	147.83
			Note: Includes bird screen.		
			For Flange Frame, Add	215.29	
			For Clear Lacquer Finish, Add	430.58	
			For Baked Enamel Standard Colors, Add	645.87	
			For Anodized Finish, Add	861.16	
			For Kynar® Standard Colors Finish, Add	1,184.09	
08 91 19 00-0086	EA		42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,705.40	158.14
			Note: Includes bird screen.		
			For Flange Frame, Add	238.91	
			For Clear Lacquer Finish, Add	477.82	
			For Baked Enamel Standard Colors, Add	716.74	
			For Anodized Finish, Add	955.65	
			For Kynar® Standard Colors Finish, Add	1,314.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,869.63	168.46
				<i>For Flange Frame, Add</i>	253.27	
				<i>For Clear Lacquer Finish, Add</i>	506.55	
				<i>For Baked Enamel Standard Colors, Add</i>	759.82	
				<i>For Anodized Finish, Add</i>	1,013.09	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,393.00	
	08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,056.54	175.33
				<i>For Flange Frame, Add</i>	270.59	
				<i>For Clear Lacquer Finish, Add</i>	541.18	
				<i>For Baked Enamel Standard Colors, Add</i>	811.76	
				<i>For Anodized Finish, Add</i>	1,082.35	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,488.23	
	08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,244.77	182.20
				<i>For Flange Frame, Add</i>	288.04	
				<i>For Clear Lacquer Finish, Add</i>	576.07	
				<i>For Baked Enamel Standard Colors, Add</i>	864.11	
				<i>For Anodized Finish, Add</i>	1,152.14	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,584.20	
	08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,418.41	192.51
				<i>For Flange Frame, Add</i>	303.34	
				<i>For Clear Lacquer Finish, Add</i>	606.67	
				<i>For Baked Enamel Standard Colors, Add</i>	910.01	
				<i>For Anodized Finish, Add</i>	1,213.35	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,668.35	
	08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,665.87	202.83
				<i>For Flange Frame, Add</i>	326.02	
				<i>For Clear Lacquer Finish, Add</i>	652.04	
				<i>For Baked Enamel Standard Colors, Add</i>	978.06	
				<i>For Anodized Finish, Add</i>	1,304.08	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,793.11	
	08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	992.66	72.19
				<i>For Flange Frame, Add</i>	84.83	
				<i>For Clear Lacquer Finish, Add</i>	169.65	
				<i>For Baked Enamel Standard Colors, Add</i>	254.48	
				<i>For Anodized Finish, Add</i>	339.31	
				<i>For Kynar® Standard Colors Finish, Add</i>	466.55	
	08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,216.28	89.38
				<i>For Flange Frame, Add</i>	103.75	
				<i>For Clear Lacquer Finish, Add</i>	207.50	
				<i>For Baked Enamel Standard Colors, Add</i>	311.26	
				<i>For Anodized Finish, Add</i>	415.01	
				<i>For Kynar® Standard Colors Finish, Add</i>	570.64	
	08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,424.99	103.13
				<i>For Flange Frame, Add</i>	121.87	
				<i>For Clear Lacquer Finish, Add</i>	243.74	
				<i>For Baked Enamel Standard Colors, Add</i>	365.62	
				<i>For Anodized Finish, Add</i>	487.49	
				<i>For Kynar® Standard Colors Finish, Add</i>	670.30	
	08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,641.57	113.45
				<i>For Flange Frame, Add</i>	141.47	
				<i>For Clear Lacquer Finish, Add</i>	282.94	
				<i>For Baked Enamel Standard Colors, Add</i>	424.40	
				<i>For Anodized Finish, Add</i>	565.87	
				<i>For Kynar® Standard Colors Finish, Add</i>	778.07	
	08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,909.00	120.32
				<i>For Flange Frame, Add</i>	166.84	
				<i>For Clear Lacquer Finish, Add</i>	333.67	
				<i>For Baked Enamel Standard Colors, Add</i>	500.51	
				<i>For Anodized Finish, Add</i>	667.34	
				<i>For Kynar® Standard Colors Finish, Add</i>	917.59	
	08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,125.43	127.20
				<i>For Flange Frame, Add</i>	187.10	
				<i>For Clear Lacquer Finish, Add</i>	374.21	
				<i>For Baked Enamel Standard Colors, Add</i>	561.31	
				<i>For Anodized Finish, Add</i>	748.41	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,029.07	
	08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,303.09	137.51
				<i>For Flange Frame, Add</i>	202.81	
				<i>For Clear Lacquer Finish, Add</i>	405.61	
				<i>For Baked Enamel Standard Colors, Add</i>	608.42	
				<i>For Anodized Finish, Add</i>	811.22	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,115.43	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,584.10	147.83
			Note: Includes bird screen.		
			For Flange Frame, Add	228.85	
			For Clear Lacquer Finish, Add	457.69	
			For Baked Enamel Standard Colors, Add	686.54	
			For Anodized Finish, Add	915.38	
			For Kynar® Standard Colors Finish, Add	1,258.65	
08 91 19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,705.40	158.14
			Note: Includes bird screen.		
			For Flange Frame, Add	238.91	
			For Clear Lacquer Finish, Add	477.82	
			For Baked Enamel Standard Colors, Add	716.74	
			For Anodized Finish, Add	955.65	
			For Kynar® Standard Colors Finish, Add	1,314.02	
08 91 19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,979.69	168.46
			Note: Includes bird screen.		
			For Flange Frame, Add	264.28	
			For Clear Lacquer Finish, Add	528.56	
			For Baked Enamel Standard Colors, Add	792.84	
			For Anodized Finish, Add	1,057.12	
			For Kynar® Standard Colors Finish, Add	1,453.53	
08 91 19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,169.44	178.76
			Note: Includes bird screen.		
			For Flange Frame, Add	281.19	
			For Clear Lacquer Finish, Add	562.38	
			For Baked Enamel Standard Colors, Add	843.57	
			For Anodized Finish, Add	1,124.76	
			For Kynar® Standard Colors Finish, Add	1,546.55	
08 91 19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,377.82	185.64
			Note: Includes bird screen.		
			For Flange Frame, Add	300.65	
			For Clear Lacquer Finish, Add	601.31	
			For Baked Enamel Standard Colors, Add	901.96	
			For Anodized Finish, Add	1,202.61	
			For Kynar® Standard Colors Finish, Add	1,653.59	
08 91 19 00-0104	EA		48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,586.19	192.51
			Note: Includes bird screen.		
			For Flange Frame, Add	320.12	
			For Clear Lacquer Finish, Add	640.23	
			For Baked Enamel Standard Colors, Add	960.35	
			For Anodized Finish, Add	1,280.46	
			For Kynar® Standard Colors Finish, Add	1,760.63	
08 91 19 00-0105	EA		48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,759.66	199.39
			Note: Includes bird screen.		
			For Flange Frame, Add	336.09	
			For Clear Lacquer Finish, Add	672.17	
			For Baked Enamel Standard Colors, Add	1,008.26	
			For Anodized Finish, Add	1,344.35	
			For Kynar® Standard Colors Finish, Add	1,848.48	
08 91 19 00-0106	EA		48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,044.69	209.70
			Note: Includes bird screen.		
			For Flange Frame, Add	362.53	
			For Clear Lacquer Finish, Add	725.06	
			For Baked Enamel Standard Colors, Add	1,087.58	
			For Anodized Finish, Add	1,450.11	
			For Kynar® Standard Colors Finish, Add	1,993.90	
08 91 19 00-0107	EA		54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,099.19	82.50
			Note: Includes bird screen.		
			For Flange Frame, Add	93.42	
			For Clear Lacquer Finish, Add	186.83	
			For Baked Enamel Standard Colors, Add	280.25	
			For Anodized Finish, Add	373.67	
			For Kynar® Standard Colors Finish, Add	513.79	
08 91 19 00-0108	EA		54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,349.66	99.70
			Note: Includes bird screen.		
			For Flange Frame, Add	115.03	
			For Clear Lacquer Finish, Add	230.05	
			For Baked Enamel Standard Colors, Add	345.08	
			For Anodized Finish, Add	460.11	
			For Kynar® Standard Colors Finish, Add	632.65	
08 91 19 00-0109	EA		54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,580.00	116.89
			Note: Includes bird screen.		
			For Flange Frame, Add	134.62	
			For Clear Lacquer Finish, Add	269.25	
			For Baked Enamel Standard Colors, Add	403.87	
			For Anodized Finish, Add	538.49	
			For Kynar® Standard Colors Finish, Add	740.43	
08 91 19 00-0110	EA		54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,812.53	123.76
			Note: Includes bird screen.		
			For Flange Frame, Add	156.50	
			For Clear Lacquer Finish, Add	313.00	
			For Baked Enamel Standard Colors, Add	469.50	
			For Anodized Finish, Add	626.00	
			For Kynar® Standard Colors Finish, Add	860.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0111	EA		54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,132.31	130.64
				Note: Includes bird screen.		
				For Flange Frame, Add	187.10	
				For Clear Lacquer Finish, Add	374.21	
				For Baked Enamel Standard Colors, Add	561.31	
				For Anodized Finish, Add	748.41	
				For Kynar® Standard Colors Finish, Add	1,029.07	
08 91	19 00-0112	EA		54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,354.10	137.51
				Note: Includes bird screen.		
				For Flange Frame, Add	207.91	
				For Clear Lacquer Finish, Add	415.81	
				For Baked Enamel Standard Colors, Add	623.72	
				For Anodized Finish, Add	831.63	
				For Kynar® Standard Colors Finish, Add	1,143.49	
08 91	19 00-0113	EA		54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,562.63	147.83
				Note: Includes bird screen.		
				For Flange Frame, Add	226.70	
				For Clear Lacquer Finish, Add	453.40	
				For Baked Enamel Standard Colors, Add	680.09	
				For Anodized Finish, Add	906.79	
				For Kynar® Standard Colors Finish, Add	1,246.84	
08 91	19 00-0114	EA		54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,869.14	158.14
				Note: Includes bird screen.		
				For Flange Frame, Add	255.29	
				For Clear Lacquer Finish, Add	510.57	
				For Baked Enamel Standard Colors, Add	765.86	
				For Anodized Finish, Add	1,021.14	
				For Kynar® Standard Colors Finish, Add	1,404.07	
08 91	19 00-0115	EA		54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,084.38	168.46
				Note: Includes bird screen.		
				For Flange Frame, Add	274.75	
				For Clear Lacquer Finish, Add	549.50	
				For Baked Enamel Standard Colors, Add	824.24	
				For Anodized Finish, Add	1,098.99	
				For Kynar® Standard Colors Finish, Add	1,511.11	
08 91	19 00-0116	EA		54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,405.67	178.76
				Note: Includes bird screen.		
				For Flange Frame, Add	304.81	
				For Clear Lacquer Finish, Add	609.63	
				For Baked Enamel Standard Colors, Add	914.44	
				For Anodized Finish, Add	1,219.26	
				For Kynar® Standard Colors Finish, Add	1,676.48	
08 91	19 00-0117	EA		54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,612.70	185.64
				Note: Includes bird screen.		
				For Flange Frame, Add	324.14	
				For Clear Lacquer Finish, Add	648.28	
				For Baked Enamel Standard Colors, Add	972.42	
				For Anodized Finish, Add	1,296.56	
				For Kynar® Standard Colors Finish, Add	1,782.78	
08 91	19 00-0118	EA		54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,849.26	192.51
				Note: Includes bird screen.		
				For Flange Frame, Add	346.42	
				For Clear Lacquer Finish, Add	692.84	
				For Baked Enamel Standard Colors, Add	1,039.27	
				For Anodized Finish, Add	1,385.69	
				For Kynar® Standard Colors Finish, Add	1,905.32	
08 91	19 00-0119	EA		54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,076.42	199.39
				Note: Includes bird screen.		
				For Flange Frame, Add	367.76	
				For Clear Lacquer Finish, Add	735.53	
				For Baked Enamel Standard Colors, Add	1,103.29	
				For Anodized Finish, Add	1,471.05	
				For Kynar® Standard Colors Finish, Add	2,022.70	
08 91	19 00-0120	EA		54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,264.64	206.27
				Note: Includes bird screen.		
				For Flange Frame, Add	385.21	
				For Clear Lacquer Finish, Add	770.42	
				For Baked Enamel Standard Colors, Add	1,155.63	
				For Anodized Finish, Add	1,540.84	
				For Kynar® Standard Colors Finish, Add	2,118.66	
08 91	19 00-0121	EA		54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,596.66	216.58
				Note: Includes bird screen.		
				For Flange Frame, Add	416.35	
				For Clear Lacquer Finish, Add	832.70	
				For Baked Enamel Standard Colors, Add	1,249.05	
				For Anodized Finish, Add	1,665.40	
				For Kynar® Standard Colors Finish, Add	2,289.93	
08 91	19 00-0122	EA		60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,181.38	89.38
				Note: Includes bird screen.		
				For Flange Frame, Add	100.26	
				For Clear Lacquer Finish, Add	200.52	
				For Baked Enamel Standard Colors, Add	300.79	
				For Anodized Finish, Add	401.05	
				For Kynar® Standard Colors Finish, Add	551.44	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,457.53 123.75 247.50 371.25 495.00 680.63	110.01
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,694.41 144.69 289.38 434.07 578.76 795.79	123.76
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,963.19 170.19 340.38 510.57 680.76 936.05	130.64
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,296.54 201.46 402.93 604.39 805.86 1,108.05	140.95
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,545.18 224.95 449.91 674.86 899.81 1,237.24	147.83
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,763.11 244.68 489.37 734.05 978.73 1,345.76	158.14
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,091.09 275.42 550.84 826.26 1,101.68 1,514.80	168.46
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,322.45 296.49 592.98 889.48 1,185.97 1,630.71	178.76
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,670.58 329.24 658.48 987.73 1,316.97 1,810.83	189.08
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,891.03 349.91 699.82 1,049.74 1,399.65 1,924.52	195.95
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,142.35 373.67 747.34 1,121.00 1,494.67 2,055.17	202.83
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,388.30 396.89 793.78 1,190.67 1,587.56 2,182.89	209.70



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,596.66	216.58
				<i>For Flange Frame, Add</i>	416.35	
				<i>For Clear Lacquer Finish, Add</i>	832.70	
				<i>For Baked Enamel Standard Colors, Add</i>	1,249.05	
				<i>For Anodized Finish, Add</i>	1,665.40	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,289.93	
	08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,944.62	223.46
				<i>For Flange Frame, Add</i>	449.77	
				<i>For Clear Lacquer Finish, Add</i>	899.54	
				<i>For Baked Enamel Standard Colors, Add</i>	1,349.31	
				<i>For Anodized Finish, Add</i>	1,799.08	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,473.74	
	08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,362.91	96.26
				<i>For Flange Frame, Add</i>	117.04	
				<i>For Clear Lacquer Finish, Add</i>	234.08	
				<i>For Baked Enamel Standard Colors, Add</i>	351.12	
				<i>For Anodized Finish, Add</i>	468.16	
				<i>For Kynar® Standard Colors Finish, Add</i>	643.72	
	08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,686.03	116.89
				<i>For Flange Frame, Add</i>	145.23	
				<i>For Clear Lacquer Finish, Add</i>	290.45	
				<i>For Baked Enamel Standard Colors, Add</i>	435.68	
				<i>For Anodized Finish, Add</i>	580.90	
				<i>For Kynar® Standard Colors Finish, Add</i>	798.74	
	08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,964.86	137.51
				<i>For Flange Frame, Add</i>	168.98	
				<i>For Clear Lacquer Finish, Add</i>	337.97	
				<i>For Baked Enamel Standard Colors, Add</i>	506.95	
				<i>For Anodized Finish, Add</i>	675.93	
				<i>For Kynar® Standard Colors Finish, Add</i>	929.41	
	08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,257.79	144.39
				<i>For Flange Frame, Add</i>	196.90	
				<i>For Clear Lacquer Finish, Add</i>	393.80	
				<i>For Baked Enamel Standard Colors, Add</i>	590.70	
				<i>For Anodized Finish, Add</i>	787.60	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,082.96	
	08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,647.34	151.27
				<i>For Flange Frame, Add</i>	234.48	
				<i>For Clear Lacquer Finish, Add</i>	468.96	
				<i>For Baked Enamel Standard Colors, Add</i>	703.45	
				<i>For Anodized Finish, Add</i>	937.93	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,289.65	
	08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,918.81	158.14
				<i>For Flange Frame, Add</i>	260.25	
				<i>For Clear Lacquer Finish, Add</i>	520.51	
				<i>For Baked Enamel Standard Colors, Add</i>	780.76	
				<i>For Anodized Finish, Add</i>	1,041.01	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,431.39	
	08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,179.68	168.46
				<i>For Flange Frame, Add</i>	284.28	
				<i>For Clear Lacquer Finish, Add</i>	568.56	
				<i>For Baked Enamel Standard Colors, Add</i>	852.83	
				<i>For Anodized Finish, Add</i>	1,137.11	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,563.53	
	08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,486.20	178.76
				<i>For Flange Frame, Add</i>	312.87	
				<i>For Clear Lacquer Finish, Add</i>	625.73	
				<i>For Baked Enamel Standard Colors, Add</i>	938.60	
				<i>For Anodized Finish, Add</i>	1,251.47	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,720.77	
	08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,745.74	189.08
				<i>For Flange Frame, Add</i>	336.76	
				<i>For Clear Lacquer Finish, Add</i>	673.52	
				<i>For Baked Enamel Standard Colors, Add</i>	1,010.27	
				<i>For Anodized Finish, Add</i>	1,347.03	
				<i>For Kynar® Standard Colors Finish, Add</i>	1,852.17	
	08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	4,145.04	202.83
				<i>For Flange Frame, Add</i>	373.94	
				<i>For Clear Lacquer Finish, Add</i>	747.87	
				<i>For Baked Enamel Standard Colors, Add</i>	1,121.81	
				<i>For Anodized Finish, Add</i>	1,495.75	
				<i>For Kynar® Standard Colors Finish, Add</i>	2,056.65	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,395.17 396.89 793.78 1,190.67 1,587.56 2,182.89	213.14
08 91	19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,661.26 422.12 844.24 1,266.37 1,688.49 2,321.67	220.02
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,932.71 447.89 895.78 1,343.68 1,791.57 2,463.41	226.89
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,167.92 470.04 940.08 1,410.11 1,880.15 2,585.21	233.77
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,556.15 507.49 1,014.97 1,522.46 2,029.94 2,791.17	240.65
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,438.41 123.21 246.43 369.64 492.86 677.68	103.13
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,777.63 153.01 306.02 459.03 612.04 841.56	123.76
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,071.22 178.24 356.49 534.73 712.98 980.34	144.39
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,388.47 207.91 415.81 623.72 831.63 1,143.49	154.70
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,806.22 248.31 496.61 744.92 993.23 1,365.69	161.58
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,092.44 275.55 551.11 826.66 1,102.22 1,515.55	168.46
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,370.77 301.32 602.65 903.97 1,205.30 1,657.28	178.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0159	EA		72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,687.87	185.64
				Note: Includes bird screen.		
				For Flange Frame, Add	331.66	
				For Clear Lacquer Finish, Add	663.32	
				For Baked Enamel Standard Colors, Add	994.97	
				For Anodized Finish, Add	1,326.63	
				For Kynar® Standard Colors Finish, Add	1,824.12	
08 91	19 00-0160	EA		72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,959.48	195.95
				Note: Includes bird screen.		
				For Flange Frame, Add	356.76	
				For Clear Lacquer Finish, Add	713.51	
				For Baked Enamel Standard Colors, Add	1,070.27	
				For Anodized Finish, Add	1,427.03	
				For Kynar® Standard Colors Finish, Add	1,962.16	
08 91	19 00-0161	EA		72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,395.17	213.14
				Note: Includes bird screen.		
				For Flange Frame, Add	396.89	
				For Clear Lacquer Finish, Add	793.78	
				For Baked Enamel Standard Colors, Add	1,190.67	
				For Anodized Finish, Add	1,587.56	
				For Kynar® Standard Colors Finish, Add	2,182.89	
08 91	19 00-0162	EA		72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,670.81	223.46
				Note: Includes bird screen.		
				For Flange Frame, Add	422.39	
				For Clear Lacquer Finish, Add	844.78	
				For Baked Enamel Standard Colors, Add	1,267.17	
				For Anodized Finish, Add	1,689.56	
				For Kynar® Standard Colors Finish, Add	2,323.15	
08 91	19 00-0163	EA		72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,944.96	230.33
				Note: Includes bird screen.		
				For Flange Frame, Add	448.43	
				For Clear Lacquer Finish, Add	896.86	
				For Baked Enamel Standard Colors, Add	1,345.29	
				For Anodized Finish, Add	1,793.72	
				For Kynar® Standard Colors Finish, Add	2,466.36	
08 91	19 00-0164	EA		72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,223.12	237.21
				Note: Includes bird screen.		
				For Flange Frame, Add	474.87	
				For Clear Lacquer Finish, Add	949.74	
				For Baked Enamel Standard Colors, Add	1,424.61	
				For Anodized Finish, Add	1,899.48	
				For Kynar® Standard Colors Finish, Add	2,611.79	
08 91	19 00-0165	EA		72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,483.84	244.09
				Note: Includes bird screen.		
				For Flange Frame, Add	499.57	
				For Clear Lacquer Finish, Add	999.13	
				For Baked Enamel Standard Colors, Add	1,498.70	
				For Anodized Finish, Add	1,998.27	
				For Kynar® Standard Colors Finish, Add	2,747.62	
08 91	19 00-0166	EA		72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,897.56	250.96
				Note: Includes bird screen.		
				For Flange Frame, Add	539.56	
				For Clear Lacquer Finish, Add	1,079.13	
				For Baked Enamel Standard Colors, Add	1,618.69	
				For Anodized Finish, Add	2,158.26	
				For Kynar® Standard Colors Finish, Add	2,967.60	
08 91	19 00-0167	EA		78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,530.01	110.01
				Note: Includes bird screen.		
				For Flange Frame, Add	131.00	
				For Clear Lacquer Finish, Add	262.00	
				For Baked Enamel Standard Colors, Add	393.00	
				For Anodized Finish, Add	524.00	
				For Kynar® Standard Colors Finish, Add	720.49	
08 91	19 00-0168	EA		78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,878.63	130.64
				Note: Includes bird screen.		
				For Flange Frame, Add	161.74	
				For Clear Lacquer Finish, Add	323.47	
				For Baked Enamel Standard Colors, Add	485.21	
				For Anodized Finish, Add	646.94	
				For Kynar® Standard Colors Finish, Add	889.54	
08 91	19 00-0169	EA		78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,178.92	151.27
				Note: Includes bird screen.		
				For Flange Frame, Add	187.64	
				For Clear Lacquer Finish, Add	375.28	
				For Baked Enamel Standard Colors, Add	562.92	
				For Anodized Finish, Add	750.56	
				For Kynar® Standard Colors Finish, Add	1,032.02	
08 91	19 00-0170	EA		78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,517.65	161.58
				Note: Includes bird screen.		
				For Flange Frame, Add	219.45	
				For Clear Lacquer Finish, Add	438.90	
				For Baked Enamel Standard Colors, Add	658.35	
				For Anodized Finish, Add	877.80	
				For Kynar® Standard Colors Finish, Add	1,206.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,959.56 262.27 524.53 786.80 1,049.06 1,442.46	168.46
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,257.87 290.72 581.44 872.16 1,162.88 1,598.97	175.33
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,556.33 318.50 637.01 955.51 1,274.02 1,751.77	185.64
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,892.21 350.72 701.43 1,052.15 1,402.87 1,928.94	192.51
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,183.96 377.83 755.66 1,133.49 1,511.32 2,078.06	202.83
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,647.84 420.78 841.56 1,262.34 1,683.12 2,314.29	220.02
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,936.91 447.62 895.25 1,342.87 1,790.50 2,461.93	230.33
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,239.39 475.81 951.62 1,427.43 1,903.24 2,616.96	240.65
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,517.56 502.25 1,004.50 1,506.75 2,009.00 2,762.38	247.52
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,795.73 528.69 1,057.39 1,586.08 2,114.77 2,907.81	254.40
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,236.30 571.38 1,142.75 1,714.13 2,285.50 3,142.56	261.28
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,604.16 137.04 274.08 411.12 548.16 753.71	116.89



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0183	EA		84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,967.54	137.51
				Note: Includes bird screen.		
				For Flange Frame, Add	169.25	
				For Clear Lacquer Finish, Add	338.50	
				For Baked Enamel Standard Colors, Add	507.75	
				For Anodized Finish, Add	677.00	
				For Kynar® Standard Colors Finish, Add	930.88	
08 91	19 00-0184	EA		84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,300.05	158.14
				Note: Includes bird screen.		
				For Flange Frame, Add	198.38	
				For Clear Lacquer Finish, Add	396.75	
				For Baked Enamel Standard Colors, Add	595.13	
				For Anodized Finish, Add	793.51	
				For Kynar® Standard Colors Finish, Add	1,091.07	
08 91	19 00-0185	EA		84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,649.51	168.46
				Note: Includes bird screen.		
				For Flange Frame, Add	231.26	
				For Clear Lacquer Finish, Add	462.52	
				For Baked Enamel Standard Colors, Add	693.78	
				For Anodized Finish, Add	925.04	
				For Kynar® Standard Colors Finish, Add	1,271.94	
08 91	19 00-0186	EA		84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,119.62	175.33
				Note: Includes bird screen.		
				For Flange Frame, Add	276.90	
				For Clear Lacquer Finish, Add	553.79	
				For Baked Enamel Standard Colors, Add	830.69	
				For Anodized Finish, Add	1,107.58	
				For Kynar® Standard Colors Finish, Add	1,522.93	
08 91	19 00-0187	EA		84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,435.36	182.20
				Note: Includes bird screen.		
				For Flange Frame, Add	307.10	
				For Clear Lacquer Finish, Add	614.19	
				For Baked Enamel Standard Colors, Add	921.29	
				For Anodized Finish, Add	1,228.38	
				For Kynar® Standard Colors Finish, Add	1,689.02	
08 91	19 00-0188	EA		84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,740.54	192.51
				Note: Includes bird screen.		
				For Flange Frame, Add	335.55	
				For Clear Lacquer Finish, Add	671.10	
				For Baked Enamel Standard Colors, Add	1,006.65	
				For Anodized Finish, Add	1,342.20	
				For Kynar® Standard Colors Finish, Add	1,845.53	
08 91	19 00-0189	EA		84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,103.26	199.39
				Note: Includes bird screen.		
				For Flange Frame, Add	370.45	
				For Clear Lacquer Finish, Add	740.89	
				For Baked Enamel Standard Colors, Add	1,111.34	
				For Anodized Finish, Add	1,481.79	
				For Kynar® Standard Colors Finish, Add	2,037.46	
08 91	19 00-0190	EA		84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,409.77	209.70
				Note: Includes bird screen.		
				For Flange Frame, Add	399.04	
				For Clear Lacquer Finish, Add	798.07	
				For Baked Enamel Standard Colors, Add	1,197.11	
				For Anodized Finish, Add	1,596.14	
				For Kynar® Standard Colors Finish, Add	2,194.70	
08 91	19 00-0191	EA		84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,901.84	226.89
				Note: Includes bird screen.		
				For Flange Frame, Add	444.81	
				For Clear Lacquer Finish, Add	889.61	
				For Baked Enamel Standard Colors, Add	1,334.42	
				For Anodized Finish, Add	1,779.22	
				For Kynar® Standard Colors Finish, Add	2,446.43	
08 91	19 00-0192	EA		84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	5,201.65	237.21
				Note: Includes bird screen.		
				For Flange Frame, Add	472.72	
				For Clear Lacquer Finish, Add	945.45	
				For Baked Enamel Standard Colors, Add	1,418.17	
				For Anodized Finish, Add	1,890.89	
				For Kynar® Standard Colors Finish, Add	2,599.98	
08 91	19 00-0193	EA		84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,530.98	247.52
				Note: Includes bird screen.		
				For Flange Frame, Add	503.59	
				For Clear Lacquer Finish, Add	1,007.19	
				For Baked Enamel Standard Colors, Add	1,510.78	
				For Anodized Finish, Add	2,014.37	
				For Kynar® Standard Colors Finish, Add	2,769.76	
08 91	19 00-0194	EA		84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,884.31	254.40
				Note: Includes bird screen.		
				For Flange Frame, Add	537.55	
				For Clear Lacquer Finish, Add	1,075.10	
				For Baked Enamel Standard Colors, Add	1,612.65	
				For Anodized Finish, Add	2,150.20	
				For Kynar® Standard Colors Finish, Add	2,956.53	

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0195	EA		84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,202.74	261.28
			Note: Includes bird screen.		
			For Flange Frame, Add	568.02	
			For Clear Lacquer Finish, Add	1,136.04	
			For Baked Enamel Standard Colors, Add	1,704.06	
			For Anodized Finish, Add	2,272.08	
			For Kynar® Standard Colors Finish, Add	3,124.10	
08 91 19 00-0196	EA		84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,676.85	268.15
			Note: Includes bird screen.		
			For Flange Frame, Add	614.06	
			For Clear Lacquer Finish, Add	1,228.11	
			For Baked Enamel Standard Colors, Add	1,842.17	
			For Anodized Finish, Add	2,456.22	
			For Kynar® Standard Colors Finish, Add	3,377.31	
08 91 19 00-0197	EA		90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,701.29	127.20
			Note: Includes bird screen.		
			For Flange Frame, Add	144.69	
			For Clear Lacquer Finish, Add	289.38	
			For Baked Enamel Standard Colors, Add	434.07	
			For Anodized Finish, Add	578.76	
			For Kynar® Standard Colors Finish, Add	795.79	
08 91 19 00-0198	EA		90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	2,070.04	147.83
			Note: Includes bird screen.		
			For Flange Frame, Add	177.44	
			For Clear Lacquer Finish, Add	354.88	
			For Baked Enamel Standard Colors, Add	532.32	
			For Anodized Finish, Add	709.76	
			For Kynar® Standard Colors Finish, Add	975.91	
08 91 19 00-0199	EA		90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,415.97	168.46
			Note: Includes bird screen.		
			For Flange Frame, Add	207.91	
			For Clear Lacquer Finish, Add	415.81	
			For Baked Enamel Standard Colors, Add	623.72	
			For Anodized Finish, Add	831.63	
			For Kynar® Standard Colors Finish, Add	1,143.49	
08 91 19 00-0200	EA		90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,776.17	178.76
			Note: Includes bird screen.		
			For Flange Frame, Add	241.86	
			For Clear Lacquer Finish, Add	483.73	
			For Baked Enamel Standard Colors, Add	725.59	
			For Anodized Finish, Add	967.46	
			For Kynar® Standard Colors Finish, Add	1,330.25	
08 91 19 00-0201	EA		90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,278.50	185.64
			Note: Includes bird screen.		
			For Flange Frame, Add	290.72	
			For Clear Lacquer Finish, Add	581.44	
			For Baked Enamel Standard Colors, Add	872.16	
			For Anodized Finish, Add	1,162.88	
			For Kynar® Standard Colors Finish, Add	1,598.97	
08 91 19 00-0202	EA		90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,604.98	192.51
			Note: Includes bird screen.		
			For Flange Frame, Add	321.99	
			For Clear Lacquer Finish, Add	643.99	
			For Baked Enamel Standard Colors, Add	965.98	
			For Anodized Finish, Add	1,287.98	
			For Kynar® Standard Colors Finish, Add	1,770.97	
08 91 19 00-0203	EA		90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,916.70	199.39
			Note: Includes bird screen.		
			For Flange Frame, Add	351.79	
			For Clear Lacquer Finish, Add	703.58	
			For Baked Enamel Standard Colors, Add	1,055.37	
			For Anodized Finish, Add	1,407.16	
			For Kynar® Standard Colors Finish, Add	1,934.85	
08 91 19 00-0204	EA		90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,299.54	206.27
			Note: Includes bird screen.		
			For Flange Frame, Add	388.70	
			For Clear Lacquer Finish, Add	777.40	
			For Baked Enamel Standard Colors, Add	1,166.10	
			For Anodized Finish, Add	1,554.80	
			For Kynar® Standard Colors Finish, Add	2,137.86	
08 91 19 00-0205	EA		90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,622.17	216.58
			Note: Includes bird screen.		
			For Flange Frame, Add	418.90	
			For Clear Lacquer Finish, Add	837.80	
			For Baked Enamel Standard Colors, Add	1,256.70	
			For Anodized Finish, Add	1,675.60	
			For Kynar® Standard Colors Finish, Add	2,303.96	
08 91 19 00-0206	EA		90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	5,142.42	233.77
			Note: Includes bird screen.		
			For Flange Frame, Add	467.49	
			For Clear Lacquer Finish, Add	934.98	
			For Baked Enamel Standard Colors, Add	1,402.46	
			For Anodized Finish, Add	1,869.95	
			For Kynar® Standard Colors Finish, Add	2,571.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,455.65 496.75 993.50 1,490.24 1,986.99 2,732.11	244.09
	08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	5,814.52 530.57 1,061.14 1,591.72 2,122.29 2,918.15	254.40
	08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,189.32 566.68 1,133.35 1,700.03 2,266.71 3,116.72	261.28
	08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	6,506.56 596.34 1,192.68 1,789.02 2,385.36 3,279.86	271.59
	08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	7,008.88 645.20 1,290.39 1,935.59 2,580.78 3,548.58	278.47
	08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,785.01 151.00 302.00 452.99 603.99 830.49	137.51
	08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,167.17 185.09 370.18 555.27 740.36 1,017.99	158.14
	08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,530.55 217.30 434.60 651.91 869.21 1,195.16	178.76
	08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,910.89 253.27 506.55 759.82 1,013.09 1,393.00	189.08
	08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,429.31 303.74 607.48 911.22 1,214.96 1,670.57	195.95
	08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,810.83 340.52 681.03 1,021.55 1,362.06 1,872.84	202.83
	08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,142.67 372.33 744.65 1,116.98 1,489.30 2,047.79	209.70



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0219	EA		96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,506.74	216.58
			Note: Includes bird screen.		
			For Flange Frame, Add	407.36	
			For Clear Lacquer Finish, Add	814.72	
			For Baked Enamel Standard Colors, Add	1,222.07	
			For Anodized Finish, Add	1,629.43	
			For Kynar® Standard Colors Finish, Add	2,240.47	
08 91 19 00-0220	EA		96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,843.96	223.46
			Note: Includes bird screen.		
			For Flange Frame, Add	439.71	
			For Clear Lacquer Finish, Add	879.41	
			For Baked Enamel Standard Colors, Add	1,319.12	
			For Anodized Finish, Add	1,758.82	
			For Kynar® Standard Colors Finish, Add	2,418.38	
08 91 19 00-0221	EA		96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	5,403.14	240.65
			Note: Includes bird screen.		
			For Flange Frame, Add	492.19	
			For Clear Lacquer Finish, Add	984.37	
			For Baked Enamel Standard Colors, Add	1,476.56	
			For Anodized Finish, Add	1,968.74	
			For Kynar® Standard Colors Finish, Add	2,707.02	
08 91 19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,282.90	250.96
			Note: Includes bird screen.		
			For Flange Frame, Add	378.10	
			For Clear Lacquer Finish, Add	756.20	
			For Baked Enamel Standard Colors, Add	1,134.29	
			For Anodized Finish, Add	1,512.39	
			For Kynar® Standard Colors Finish, Add	2,079.54	
08 91 19 00-0223	EA		96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	6,094.02	261.28
			Note: Includes bird screen.		
			For Flange Frame, Add	557.15	
			For Clear Lacquer Finish, Add	1,114.29	
			For Baked Enamel Standard Colors, Add	1,671.44	
			For Anodized Finish, Add	2,228.59	
			For Kynar® Standard Colors Finish, Add	3,064.31	
08 91 19 00-0224	EA		96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	6,482.24	268.15
			Note: Includes bird screen.		
			For Flange Frame, Add	594.60	
			For Clear Lacquer Finish, Add	1,189.19	
			For Baked Enamel Standard Colors, Add	1,783.79	
			For Anodized Finish, Add	2,378.38	
			For Kynar® Standard Colors Finish, Add	3,270.27	
08 91 19 00-0225	EA		96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,815.60	278.47
			Note: Includes bird screen.		
			For Flange Frame, Add	625.87	
			For Clear Lacquer Finish, Add	1,251.74	
			For Baked Enamel Standard Colors, Add	1,877.60	
			For Anodized Finish, Add	2,503.47	
			For Kynar® Standard Colors Finish, Add	3,442.27	
08 91 19 00-0226	EA		96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	7,355.66	288.78
			Note: Includes bird screen.		
			For Flange Frame, Add	677.81	
			For Clear Lacquer Finish, Add	1,355.62	
			For Baked Enamel Standard Colors, Add	2,033.43	
			For Anodized Finish, Add	2,711.24	
			For Kynar® Standard Colors Finish, Add	3,727.96	
08 91 19 00-0227			Gable Louver Vents (08 91 19)		
			Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228			Aluminum Gable Louver Vents (08 91 19 00-0227)		
			Note: Includes screen.		
08 91 19 00-0229			Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0230	EA		12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	273.38	12.13
08 91 19 00-0231	EA		12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	299.06	13.93
08 91 19 00-0232	EA		18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	345.04	15.72
08 91 19 00-0233	EA		18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	378.42	16.72
08 91 19 00-0234	EA		24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	432.07	17.70
08 91 19 00-0235	EA		24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	483.27	21.23
08 91 19 00-0236	EA		30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	560.07	26.55
08 91 19 00-0237	EA		30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	624.07	30.96
08 91 19 00-0238	EA		36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	713.67	37.17
08 91 19 00-0239	EA		42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	892.84	49.55
08 91 19 00-0240			Square Aluminum Gable Louver Vents (08 91 19 00-0228)		
			Note: Includes screen.		
08 91 19 00-0241	EA		12" x 12" Square Fixed Aluminum Gable Louver Vent.....	250.23	11.17
08 91 19 00-0242	EA		18" x 18" Square Fixed Aluminum Gable Louver Vent.....	309.88	14.16
08 91 19 00-0243	EA		24" x 24" Square Fixed Aluminum Gable Louver Vent.....	388.55	16.71
08 91 19 00-0244	EA		30" x 30" Square Fixed Aluminum Gable Louver Vent.....	496.07	22.12
08 91 19 00-0245	EA		36" x 36" Square Fixed Aluminum Gable Louver Vent.....	636.86	31.86
08 91 19 00-0246	EA		42" x 42" Square Fixed Aluminum Gable Louver Vent.....	803.15	43.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0247 EA 48" x 48" Square Fixed Aluminum Gable Louver Vent	995.24	56.63
08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)		
Note: Includes screen.		
08 91 19 00-0249 EA 12" Diameter Round Fixed Aluminum Gable Louver Vent.....	250.23	11.17
08 91 19 00-0250 EA 18" Diameter Round Fixed Aluminum Gable Louver Vent.....	309.88	14.16
08 91 19 00-0251 EA 24" Diameter Round Fixed Aluminum Gable Louver Vent.....	388.55	16.71
08 91 19 00-0252 EA 30" Diameter Round Fixed Aluminum Gable Louver Vent.....	496.07	22.12
08 91 19 00-0253 EA 36" Diameter Round Fixed Aluminum Gable Louver Vent.....	636.86	31.86
08 91 19 00-0254 EA 42" Diameter Round Fixed Aluminum Gable Louver Vent.....	803.27	43.35
08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)		
Note: Includes screen.		
08 91 19 00-0256 EA 12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	250.23	11.17
08 91 19 00-0257 EA 12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	273.38	12.13
08 91 19 00-0258 EA 12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	299.06	13.93
08 91 19 00-0259 EA 18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	309.88	14.16
08 91 19 00-0260 EA 18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	345.04	15.72
08 91 19 00-0261 EA 18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	378.42	16.72
08 91 19 00-0262 EA 24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	388.55	16.71
08 91 19 00-0263 EA 24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	432.07	17.70
08 91 19 00-0264 EA 24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	483.27	21.23
08 91 19 00-0265 EA 30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	496.07	22.12
08 91 19 00-0266 EA 30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	560.07	26.55
08 91 19 00-0267 EA 30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	624.07	30.96
08 91 19 00-0268 EA 36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	636.86	31.86
08 91 19 00-0269 EA 36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	713.67	37.17
08 91 19 00-0270 EA 36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	790.46	42.47
08 91 19 00-0271 EA 42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	803.27	43.35
08 91 19 00-0272 EA 42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	892.84	49.55
08 91 19 00-0273 EA 48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	995.24	56.63
08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)		
Note: Includes screen.		
08 91 19 00-0275 EA 12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	250.23	11.17
08 91 19 00-0276 EA 12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	273.38	12.13
08 91 19 00-0277 EA 12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	299.06	13.93
08 91 19 00-0278 EA 18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	309.88	14.16
08 91 19 00-0279 EA 18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	345.04	15.72
08 91 19 00-0280 EA 18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	378.42	16.72
08 91 19 00-0281 EA 24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	388.55	16.71
08 91 19 00-0282 EA 24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	432.07	17.70
08 91 19 00-0283 EA 24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	483.27	21.23
08 91 19 00-0284 EA 30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	496.07	22.12
08 91 19 00-0285 EA 30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	560.07	26.55
08 91 19 00-0286 EA 30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	624.07	30.96
08 91 19 00-0287 EA 36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	636.86	31.86
08 91 19 00-0288 EA 36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	713.67	37.17
08 91 19 00-0289 EA 36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	790.46	42.47
08 91 19 00-0290 EA 42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	803.27	43.35
08 91 19 00-0291 EA 42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	892.84	49.55
08 91 19 00-0292 EA 48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	995.24	56.63
08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)		
Note: Includes screen.		
08 91 19 00-0294 EA 36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	522.20	13.93
08 91 19 00-0295 EA 36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	591.40	16.71
08 91 19 00-0296 EA 48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	634.92	17.70
08 91 19 00-0297 EA 48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	726.69	21.23
08 91 19 00-0298 EA 48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	810.48	22.12
08 91 19 00-0299 EA 60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	661.49	26.55
08 91 19 00-0300 EA 60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	776.21	30.96
08 91 19 00-0301 EA 60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	880.28	31.86
08 91 19 00-0302 EA 60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	997.66	37.17
08 91 19 00-0303 EA 72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	790.46	42.47
08 91 19 00-0304 EA 72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	914.83	43.35
08 91 19 00-0305 EA 72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	1,055.12	49.55
08 91 19 00-0306 EA 72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	1,198.09	56.63
08 91 19 00-0307 EA 72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	1,345.15	65.07
08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)		
Note: Includes screen.		
08 91 19 00-0309 EA 12" x 12" Square Fixed Vinyl Gable Louver Vent.....	80.39	11.17
08 91 19 00-0310 EA 12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	97.34	12.13
08 91 19 00-0311 EA 18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	132.93	15.72
08 91 19 00-0312 EA 24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	182.64	17.70

08	Openings
08 90	Louvers and Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	128.86	14.16
08 91	19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	148.87	16.71
08 91	19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	210.11	22.12
08 91	19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	307.14	31.86
08 91	19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	128.86	14.16
08 91	19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	145.92	15.72
08 91	19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	188.63	17.70
08 91	19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	267.67	26.55
08 91	19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	639.17	42.47
08 91	19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	126.29	13.93
08 91	19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	176.24	17.70
08 91	19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	182.19	21.23
08 91	19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	421.29	26.55
08 91	19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	421.29	26.55
08 91	19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	421.29	26.55
08 91	19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	421.29	26.55
08 91	19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	421.29	26.55
08 91	19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	469.12	42.47
08 91	19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	469.12	42.47
08 91	19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	469.12	42.47
08 91	19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	469.12	42.47

08 95 Vents (08 90)**08 95 13 Soffit Vents** (08 95)**08 95 13 00-0001 Aluminum Soffit Vents** (08 95 13)

08 95	13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	8.88	3.17
08 95	13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	15.86	6.18
08 95	13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	26.16	8.25
08 95	13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	27.15	8.25

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95	13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	7.77	3.31
			<i>For Colors, Add</i>	0.12	
08 95	13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White.....	7.96	3.31
			<i>For Colors, Add</i>	0.14	

08 95 16 Wall Vents (08 95)**08 95 16 00-0001 Foundation Vents** (08 95 16)

08 95	16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.53	0.22
08 95	16 00-0003	SI	Aluminum Foundation Vent.....	1.03	0.22
08 95	16 00-0004	SI	Stainless Steel Foundation Vent.....	1.13	0.22
08 95	16 00-0005	SI	Plastic Foundation Vent.....	0.72	0.22

END OF SECTION 08



Finishes	09	09
Maintenance of Finishes	09 01	
Maintenance of Plaster and Gypsum Board	09 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 01 Maintenance of Finishes (09)

09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	SF	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small> Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing..... Note: Per location.	22.69
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	18.28
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	16.40
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	14.43
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	12.90

09 01 20 91-0007 Patch/Finish Gypsum Board To Match Existing (09 01 20 91)

		Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.	
09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	2.19
		<i>For ASTM C840 Level 1 Finish, Deduct</i>	-1.06
		<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.53
		<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.21
		<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	1.62

09 01 20 91-0009 Plaster/Stucco Repair (09 01 20 91)

Note: Per location.

09 01 20 91-0010 Clean And Repair Crack In Plaster/Stucco (09 01 20 91-0009)

		Note: Includes plaster weld.	
09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	22.30
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	17.89
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	14.59
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	11.29
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	9.09
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	6.88

09 01 20 91-0017 Cut And Patch Hole In Plaster/Stucco To Match Existing (09 01 20 91-0009)

		Note: Includes plaster weld.	
09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	21.25
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	18.81
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	17.32
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	16.09
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	15.01
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	13.82

09 01 20 91-0024 Chip, Clean And Repair Plaster/Stucco (09 01 20 91-0009)

		Note: Includes plaster weld.	
09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco.....	40.13
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	29.11
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	21.40
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	17.00

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout	8.68
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout	10.84
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing	54.92
		Note: Per location.	

09 01 60 Maintenance of Flooring (09 01)

09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001	SF	Grinding, Polishing And Sealing Terrazzo <small>(09 01 60 91)</small>	
09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo.....	352.43

09 Finishes**09 01 Maintenance of Finishes****09 01 60 Maintenance of Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0003	SF		Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.42	
09 01 60 91-0004	SF		Repair Existing Terrazzo.....	23.64	
09 01 60 91-0005	LF		Repair Cracks In Existing Terrazzo	5.51	
09 01 60 91-0006			Standard Flooring Maintenance (09 01 60 91)		
09 01 60 91-0007	CSF		Steam Clean Carpet	46.32	
09 01 60 91-0008	CSF		Wax And Polish Tile And VCT Flooring	51.26	
			For Additional Coat, Add	42.98	
			For Stripping Existing Wax From Floor, Add	49.01	
09 01 60 91-0009	CSF		Wax And Polish Wood Flooring	31.66	
			For Additional Coat, Add	27.98	
			For Stripping Existing Wax From Floor, Add	49.01	
09 01 60 91-0010	MSF		Vacuum Floors.....	25.62	
09 01 60 91-0011			Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)		
09 01 60 91-0012	SY		Grinding Of Existing Concrete Floor Prior To Installation Of Flooring.....	9.78	
			Note: Up to 1/8" of material per pass		
09 01 60 91-0013	LF		Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring.....	19.08	
			Note: Up to 1/4" of material per pass		
09 01 60 91-0014	SY		Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring.....	8.06	
09 01 60 91-0015			Floor Sealants (09 01 60 91)		
09 01 60 91-0016	SF		Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat	1.45	
			Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0017	SF		Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat	1.63	
			Note: For interior/exterior concrete surfaces.		
09 01 60 91-0018	SF		Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.58	
09 01 60 91-0019	GAL		Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	50.82	
09 01 80 Maintenance of Acoustic Treatment (09 01)					
09 01 80 00-0001			Removal Of Acoustical Ceiling Treatment (09 01 80)		
09 01 80 00-0002	SF		Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.78	
09 01 90 Maintenance of Painting and Coating (09 01)					
09 01 90 52 Maintenance Repainting (09 01 90)					
09 01 90 52-0001			Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)		
			Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.		
09 01 90 52-0002			Concrete And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0003	SF		Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation	0.58	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 01 90 52-0004	SF		Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.58	
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0005	SF		Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.91	
			For Up To 100, Add	1.57	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.20	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 01 90 52-0006	SF		Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.78	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.20	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007 SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.84	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.16	
09 01 90 52-0008 SF 2,000 To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.55	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	
09 01 90 52-0009 SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.52	
For Up To 100, Add	2.74	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.35	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 15,000, Deduct	-0.14	
For >15,000 To 30,000, Deduct	-0.22	
For >30,000, Deduct	-0.29	
09 01 90 52-0010 SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	2.50	
For Up To 100, Add	4.70	
For >100 To 250, Add	1.20	
For >250 To 500, Add	0.60	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.24	
For >15,000 To 30,000, Deduct	-0.37	
For >30,000, Deduct	-0.49	
09 01 90 52-0011 SF Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation	3.87	
Note: 3 lbs of sand or glass abrasive media material per SF		
For 4.5 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	2.25	
For 6 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	4.65	
For 9 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	7.74	
For Up To 100, Add	6.59	
For >100 To 250, Add	1.74	
For >250 To 500, Add	0.85	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 15,000, Deduct	-0.36	
For >15,000 To 30,000, Deduct	-0.56	
For >30,000, Deduct	-0.74	
09 01 90 52-0012 Drywall Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>		
See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 01 90 52-0013 SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.45	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.11	
09 01 90 52-0014 SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation.....	0.76	
For Up To 100, Add	1.52	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.19	
09 01 90 52-0015 SF Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation.....	1.41	
For Up To 100, Add	2.70	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.34	
09 01 90 52-0016 Metal Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>		
09 01 90 52-0017 SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.55	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 01 90 52-0018 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.91	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.13	
For >30,000, Deduct	-0.17	

09 Finishes
09 01 Maintenance of Finishes
09 01 90 Maintenance of Painting and Coating



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0019	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.78	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.08	
			<i>For >15,000 To 30,000, Deduct</i>	-0.12	
			<i>For >30,000, Deduct</i>	-0.16	
09 01 90 52-0020	SF		2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.52	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.07	
			<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0021	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.45	
			<i>For Up To 100, Add</i>	1.09	
			<i>For >100 To 250, Add</i>	0.51	
			<i>For >250 To 500, Add</i>	0.22	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 15,000, Deduct</i>	-0.15	
			<i>For >15,000 To 30,000, Deduct</i>	-0.22	
			<i>For >30,000, Deduct</i>	-0.29	
09 01 90 52-0022	SF		Steam Cleaning, Metal Surfaces, Surface Preparation	0.53	
			<i>For Up To 100, Add</i>	0.29	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.08	
			<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.15	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 15,000, Deduct</i>	-0.11	
			<i>For >15,000 To 30,000, Deduct</i>	-0.17	
			<i>For >30,000, Deduct</i>	-0.22	
09 01 90 52-0024	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.57	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.19	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 15,000, Deduct</i>	-0.14	
			<i>For >15,000 To 30,000, Deduct</i>	-0.23	
			<i>For >30,000, Deduct</i>	-0.30	
09 01 90 52-0025	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.30	
			<i>For Up To 100, Add</i>	1.42	
			<i>For >100 To 250, Add</i>	0.66	
			<i>For >250 To 500, Add</i>	0.28	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 15,000, Deduct</i>	-0.21	
			<i>For >15,000 To 30,000, Deduct</i>	-0.33	
			<i>For >30,000, Deduct</i>	-0.44	
09 01 90 52-0026	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.84	
			<i>For Up To 100, Add</i>	2.36	
			<i>For >100 To 250, Add</i>	1.10	
			<i>For >250 To 500, Add</i>	0.47	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 15,000, Deduct</i>	-0.36	
			<i>For >15,000 To 30,000, Deduct</i>	-0.56	
			<i>For >30,000, Deduct</i>	-0.73	
09 01 90 52-0027	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.92	
			<i>For Up To 100, Add</i>	1.76	
			<i>For >100 To 250, Add</i>	0.82	
			<i>For >250 To 500, Add</i>	0.35	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 15,000, Deduct</i>	-0.27	
			<i>For >15,000 To 30,000, Deduct</i>	-0.42	
			<i>For >30,000, Deduct</i>	-0.56	
09 01 90 52-0028	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.61	
			<i>For Up To 100, Add</i>	2.17	
			<i>For >100 To 250, Add</i>	1.01	
			<i>For >250 To 500, Add</i>	0.43	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 15,000, Deduct</i>	-0.33	
			<i>For >15,000 To 30,000, Deduct</i>	-0.52	
			<i>For >30,000, Deduct</i>	-0.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0029 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.70	
<i>For Up To 100, Add</i>	2.83	
<i>For >100 To 250, Add</i>	1.32	
<i>For >250 To 500, Add</i>	0.57	
<i>For >5,000 To 10,000, Deduct</i>	-0.22	
<i>For >10,000 To 15,000, Deduct</i>	-0.43	
<i>For >15,000 To 30,000, Deduct</i>	-0.68	
<i>For >30,000, Deduct</i>	-0.89	
09 01 90 52-0030 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	5.87	
<i>For Up To 100, Add</i>	3.53	
<i>For >100 To 250, Add</i>	1.65	
<i>For >250 To 500, Add</i>	0.71	
<i>For >5,000 To 10,000, Deduct</i>	-0.27	
<i>For >10,000 To 15,000, Deduct</i>	-0.54	
<i>For >15,000 To 30,000, Deduct</i>	-0.85	
<i>For >30,000, Deduct</i>	-1.12	
09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0032 SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.50	
<i>For Up To 100, Add</i>	0.36	
<i>For >100 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.07	
<i>For >5,000 To 10,000, Deduct</i>	-0.02	
<i>For >10,000 To 15,000, Deduct</i>	-0.05	
<i>For >15,000 To 30,000, Deduct</i>	-0.07	
<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0033 CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	50.34	
<i>For Up To 100, Add</i>	37.49	
<i>For >100 To 250, Add</i>	17.49	
<i>For >250 To 500, Add</i>	7.50	
<i>For >5,000 To 10,000, Deduct</i>	-2.51	
<i>For >10,000 To 15,000, Deduct</i>	-5.02	
<i>For >15,000 To 30,000, Deduct</i>	-7.54	
<i>For >30,000, Deduct</i>	-10.05	
09 01 90 52-0034 SF 2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.38	
<i>For Up To 100, Add</i>	0.23	
<i>For >100 To 250, Add</i>	0.11	
<i>For >250 To 500, Add</i>	0.05	
<i>For >5,000 To 10,000, Deduct</i>	-0.02	
<i>For >10,000 To 15,000, Deduct</i>	-0.04	
<i>For >15,000 To 30,000, Deduct</i>	-0.05	
<i>For >30,000, Deduct</i>	-0.07	
09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0036 SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.68	
<i>For Up To 100, Add</i>	1.19	
<i>For >100 To 250, Add</i>	0.56	
<i>For >250 To 500, Add</i>	0.24	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000 To 15,000, Deduct</i>	-0.16	
<i>For >15,000 To 30,000, Deduct</i>	-0.25	
<i>For >30,000, Deduct</i>	-0.33	
09 01 90 52-0037 SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.53	
<i>For Up To 100, Add</i>	0.38	
<i>For >100 To 250, Add</i>	0.18	
<i>For >250 To 500, Add</i>	0.08	
<i>For >5,000 To 10,000, Deduct</i>	-0.03	
<i>For >10,000 To 15,000, Deduct</i>	-0.05	
<i>For >15,000 To 30,000, Deduct</i>	-0.08	
<i>For >30,000, Deduct</i>	-0.11	
09 01 90 52-0038 SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.75	
<i>For Up To 100, Add</i>	0.44	
<i>For >100 To 250, Add</i>	0.20	
<i>For >250 To 500, Add</i>	0.09	
<i>For >5,000 To 10,000, Deduct</i>	-0.03	
<i>For >10,000 To 15,000, Deduct</i>	-0.07	
<i>For >15,000 To 30,000, Deduct</i>	-0.11	
<i>For >30,000, Deduct</i>	-0.14	
09 01 90 52-0039 SF Hand Scrape Wood Surfaces, Surface Preparation	0.87	
<i>For Up To 100, Add</i>	0.65	
<i>For >100 To 250, Add</i>	0.30	
<i>For >250 To 500, Add</i>	0.13	
<i>For >5,000 To 10,000, Deduct</i>	-0.04	
<i>For >10,000 To 15,000, Deduct</i>	-0.09	
<i>For >15,000 To 30,000, Deduct</i>	-0.13	
<i>For >30,000, Deduct</i>	-0.17	
09 01 90 52-0040 SF Steam Clean Wood Surfaces, Surface Preparation	0.82	
<i>For Up To 100, Add</i>	0.50	
<i>For >100 To 250, Add</i>	0.23	
<i>For >250 To 500, Add</i>	0.10	
<i>For >5,000 To 10,000, Deduct</i>	-0.04	
<i>For >10,000 To 15,000, Deduct</i>	-0.08	
<i>For >15,000 To 30,000, Deduct</i>	-0.12	
<i>For >30,000, Deduct</i>	-0.16	

09 Finishes
09 01 Maintenance of Finishes
09 01 90 Maintenance of Painting and Coating



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0041	SF		2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.57	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.08	
			<i>For >30,000, Deduct</i>	-0.11	
09 01 90 52-0042	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	1.05	
			<i>For Up To 100, Add</i>	0.73	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 15,000, Deduct</i>	-0.10	
			<i>For >15,000 To 30,000, Deduct</i>	-0.16	
			<i>For >30,000, Deduct</i>	-0.21	
09 01 90 52-0043	SF		Sanding Wood Trim Surfaces, Surface Preparation	1.41	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 15,000, Deduct</i>	-0.14	
			<i>For >15,000 To 30,000, Deduct</i>	-0.21	
			<i>For >30,000, Deduct</i>	-0.28	
09 01 90 52-0044	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.93	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.09	
			<i>For >15,000 To 30,000, Deduct</i>	-0.14	
			<i>For >30,000, Deduct</i>	-0.18	
09 01 90 52-0045	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	1.08	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 15,000, Deduct</i>	-0.10	
			<i>For >15,000 To 30,000, Deduct</i>	-0.16	
			<i>For >30,000, Deduct</i>	-0.21	
09 01 90 52-0046			Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)	0.50	
09 01 90 52-0047	SF		Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.50	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.05	
			<i>For >15,000 To 30,000, Deduct</i>	-0.07	
			<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0048	SF		Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.80	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.08	
			<i>For >15,000 To 30,000, Deduct</i>	-0.12	
			<i>For >30,000, Deduct</i>	-0.16	
09 01 90 52-0049	SF		2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.47	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.02	
			<i>For >10,000 To 15,000, Deduct</i>	-0.04	
			<i>For >15,000 To 30,000, Deduct</i>	-0.07	
			<i>For >30,000, Deduct</i>	-0.09	
09 01 90 52-0050	SF		Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.87	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.04	
			<i>For >10,000 To 15,000, Deduct</i>	-0.08	
			<i>For >15,000 To 30,000, Deduct</i>	-0.12	
			<i>For >30,000, Deduct</i>	-0.16	

09 01 90 52-0051 **Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)**
 Note: Based on total project quantity.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0052 SF Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.58	
<i>For Up To 100, Add</i>	0.42	
<i>For >100 To 250, Add</i>	0.20	
<i>For >250 To 500, Add</i>	0.08	
<i>For >5,000 To 10,000, Deduct</i>	-0.03	
<i>For >10,000 To 15,000, Deduct</i>	-0.06	
<i>For >15,000 To 30,000, Deduct</i>	-0.09	
<i>For >30,000, Deduct</i>	-0.12	
09 01 90 52-0053 SF 2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.62	
<i>For Up To 100, Add</i>	0.36	
<i>For >100 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.07	
<i>For >5,000 To 10,000, Deduct</i>	-0.03	
<i>For >10,000 To 15,000, Deduct</i>	-0.06	
<i>For >15,000 To 30,000, Deduct</i>	-0.09	
<i>For >30,000, Deduct</i>	-0.12	
09 01 90 52-0054 Prep Work <small>(09 01 90 52-0001)</small>		
09 01 90 52-0055 SF Citrus Strip, Single Applications.....	1.37	
<small>Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations</small>		
09 01 90 52-0056 Corrosive Inhibitor Sealant For Concrete <small>(09 01 90 52-0001)</small>		
09 01 90 52-0057 SF Corrosive Inhibitor Sealant For Concrete.....	0.89	
<i>For Up To 100, Add</i>	0.45	
<i>For >100 To 250, Add</i>	0.22	
<i>For >250 To 500, Add</i>	0.10	
09 01 90 61 Repainting <small>(09 01 90)</small>		
09 01 90 61-0001 Touchup and "Spot" Painting Of Surfaces <small>(09 01 90 61)</small>		
<small>Note: For use on individual areas less than 10 SF.</small>		
09 01 90 61-0002 SF "Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat	1.86	
09 01 90 91 Paint Restoration <small>(09 01 90)</small>		
09 01 90 91-0001 Paint Removal, Strip To Bare Wood <small>(09 01 90 91)</small>		
09 01 90 91-0002 SF Flat Surfaces, Paint Removal, Strip To Bare Wood	9.17	
09 01 90 91-0003 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	9.78	
09 05 Common Work Results for Finishes <small>(09)</small>		
09 05 61 Common Work Results for Flooring Preparation <small>(09 05)</small>		
09 05 61 13 Moisture Vapor Emission Control <small>(09 05 61)</small>		
09 05 61 13-0001 Moisture Vapor Reduction System (Koester VAP) <small>(09 05 61 13)</small>		
09 05 61 13-0002 EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000)	3,131.76	
<small>Note: Clear</small>		
09 05 61 13-0003 SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001).....	16.57	
<small>Note: Clear</small>		
09 05 61 13-0004 SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002)	11.06	
<small>Note: Clear</small>		
09 05 61 13-0005 SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003)	9.21	
<small>Note: Clear</small>		
09 05 61 13-0006 SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004).....	7.36	
<small>Note: Clear</small>		
09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) <small>(09 05 61 13)</small>		
09 05 61 13-0008 SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	5.11	
09 05 61 13-0009 SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II).....	6.94	
09 05 71 Acoustic Underlayment <small>(09 05)</small>		
09 05 71 00-0001 Tile And Stone Acoustical Underlayment <small>(09 05 71)</small>		
09 05 71 00-0002 SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat).....	4.65	
<small>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</small>	0.55	
09 05 71 00-0003 Resilient Floor Acoustical Underlayment <small>(09 05 71)</small>		
09 05 71 00-0004 SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300).....	3.25	
09 05 71 00-0005 SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.75	
09 05 71 00-0006 SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT).....	1.68	

09	09 Finishes
	09 20 Plaster and Gypsum Board
	09 05 71 Acoustic Underlayment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 20 Plaster and Gypsum Board (09)

09 22 Supports for Plaster and Gypsum Board (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring (09 22)

09 22 13 13 Metal Channel Furring (09 22 13)

09 22 13 13-0001 Hat Furring Channel (09 22 13 13)

Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0003	SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	4.80		1.94
	<i>For Walls >10' High, Add</i>	0.58		
	<i>For 24" On Center, Deduct</i>	-0.57		
	<i>For 12" On Center, Add</i>	0.77		
	<i>For 22 Gauge, Add</i>	0.75		
	<i>For 20 Gauge, Add</i>	1.19		
09 22 13 13-0004	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.16		1.94
	<i>For Walls >10' High, Add</i>	0.58		
	<i>For 24" On Center, Deduct</i>	-0.64		
	<i>For 12" On Center, Add</i>	0.84		
	<i>For 22 Gauge, Add</i>	0.93		
	<i>For 20 Gauge, Add</i>	1.43		

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0006	SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	6.89		2.98
	<i>For Columns And Beams >10' High, Add</i>	1.19		
	<i>For 24" On Center, Deduct</i>	-0.78		
	<i>For 12" On Center, Add</i>	1.08		
	<i>For 22 Gauge, Add</i>	0.91		
	<i>For 20 Gauge, Add</i>	1.50		
09 22 13 13-0007	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.25		2.98
	<i>For Columns And Beams >10' High, Add</i>	1.19		
	<i>For 24" On Center, Deduct</i>	-0.85		
	<i>For 12" On Center, Add</i>	1.15		
	<i>For 22 Gauge, Add</i>	1.09		
	<i>For 20 Gauge, Add</i>	1.74		

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0009	SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	6.29		2.39
	<i>For Ceilings >10' High, Add</i>	0.72		
	<i>For 24" On Center, Deduct</i>	-0.78		
	<i>For 12" On Center, Add</i>	1.02		
	<i>For 22 Gauge, Add</i>	1.12		
	<i>For 20 Gauge, Add</i>	1.72		
09 22 13 13-0010	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	6.65		2.39
	<i>For Ceilings >10' High, Add</i>	0.72		
	<i>For 24" On Center, Deduct</i>	-0.85		
	<i>For 12" On Center, Add</i>	1.09		
	<i>For 22 Gauge, Add</i>	1.30		
	<i>For 20 Gauge, Add</i>	1.96		

09 22 13 13-0011 Z Furring Channel (09 22 13 13)

09 22 13 13-0012 Installed On Walls, Z Furring Channel (09 22 13 13-0011)

09 22 13 13-0013	SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.20		1.94
	<i>For Walls >10' High, Add</i>	0.58		
	<i>For 24" On Center, Deduct</i>	-0.45		
	<i>For 12" On Center, Add</i>	0.65		
	<i>For 22 Gauge, Add</i>	0.45		
	<i>For 20 Gauge, Add</i>	0.79		
09 22 13 13-0014	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.26		1.94
	<i>For Walls >10' High, Add</i>	0.58		
	<i>For 24" On Center, Deduct</i>	-0.46		
	<i>For 12" On Center, Add</i>	0.66		
	<i>For 22 Gauge, Add</i>	0.48		
	<i>For 20 Gauge, Add</i>	0.83		
09 22 13 13-0015	SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.31		1.94
	<i>For Walls >10' High, Add</i>	0.58		
	<i>For 24" On Center, Deduct</i>	-0.47		
	<i>For 12" On Center, Add</i>	0.67		
	<i>For 22 Gauge, Add</i>	0.51		
	<i>For 20 Gauge, Add</i>	0.87		
09 22 13 13-0016	SF 2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.36		1.94
	<i>For Walls >10' High, Add</i>	0.58		
	<i>For 24" On Center, Deduct</i>	-0.48		
	<i>For 12" On Center, Add</i>	0.68		
	<i>For 22 Gauge, Add</i>	0.53		
	<i>For 20 Gauge, Add</i>	0.90		



Finishes	09	09
Plaster and Gypsum Board	09 20	
Supports for Plaster and Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0017 SF 3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.40	1.94
For Walls >10' High, Add	0.58	
For 24" On Center, Deduct	-0.49	
For 12" On Center, Add	0.69	
For 22 Gauge, Add	0.55	
For 20 Gauge, Add	0.93	
09 22 13 23 Resilient Channel Furring (09 22 13)		
09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23)		
Note: Includes clips where required.		
09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
09 22 13 23-0003 SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.55	1.94
For Walls >10' High, Add	0.58	
For 24" On Center, Deduct	-0.52	
For 12" On Center, Add	0.72	
For 20 Gauge, Add	1.02	
09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
09 22 13 23-0005 SF 25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	5.44	2.39
For Ceilings >10' High, Add	0.72	
For 24" On Center, Deduct	-0.61	
For 12" On Center, Add	0.85	
For 20 Gauge, Add	1.16	
09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23)		
Note: Includes clips where required.		
09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
09 22 13 23-0008 SF 25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	4.80	1.94
For Walls >10' High, Add	0.58	
For 24" On Center, Deduct	-0.57	
For 12" On Center, Add	0.77	
For 20 Gauge, Add	1.19	
09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
09 22 13 23-0010 SF 25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	5.69	2.39
For Ceilings >10' High, Add	0.72	
For 24" On Center, Deduct	-0.66	
For 12" On Center, Add	0.90	
For 20 Gauge, Add	1.32	
09 22 16 Non-Structural Metal Framing (09 22)		
Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)		
09 22 16 13-0001 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0002 SF 1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.03	0.82
For Powder-Actuated Fasteners Every 2', Add	0.07	
For Walls >10' High, Add	0.61	
For Soffit, Columns Or Beams Up To 10' High, Add	1.91	
For Soffit, Columns Or Beams >10' High, Add	2.51	
For Horizontal Installation Up To 10' High, Add	0.60	
For Horizontal Installation >10' High, Add	0.81	
For Curved Wall, Add	0.60	
For 12" On Center, Add	0.51	
For 24" On Center, Deduct	-0.51	
For Up To 100, Add	1.01	
For >100 To 300, Add	0.50	
For >1,000, Deduct	-0.25	
09 22 16 13-0003 SF 2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.26	0.85
For Powder-Actuated Fasteners Every 2', Add	0.07	
For Walls >10' High, Add	0.65	
For Soffit, Columns Or Beams Up To 10' High, Add	2.02	
For Soffit, Columns Or Beams >10' High, Add	2.66	
For Horizontal Installation Up To 10' High, Add	0.64	
For Horizontal Installation >10' High, Add	0.86	
For Curved Wall, Add	0.64	
For 12" On Center, Add	0.55	
For 24" On Center, Deduct	-0.55	
For Up To 100, Add	1.08	
For >100 To 300, Add	0.54	
For >1,000, Deduct	-0.28	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0004	SF		3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.53	0.89
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	0.71	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.14	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.81	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.69	
			<i>For Horizontal Installation >10' High, Add</i>	0.91	
			<i>For Curved Wall, Add</i>	0.67	
			<i>For 12" On Center, Add</i>	0.59	
			<i>For 24" On Center, Deduct</i>	-0.59	
			<i>For Up To 100, Add</i>	1.15	
			<i>For >100 To 300, Add</i>	0.58	
			<i>For >1,000, Deduct</i>	-0.31	
09 22 16 13-0005	SF		4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.77	0.93
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	0.75	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.24	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.94	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.73	
			<i>For Horizontal Installation >10' High, Add</i>	0.96	
			<i>For Curved Wall, Add</i>	0.70	
			<i>For 12" On Center, Add</i>	0.64	
			<i>For 24" On Center, Deduct</i>	-0.64	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 300, Add</i>	0.61	
			<i>For >1,000, Deduct</i>	-0.33	
09 22 16 13-0006	SF		6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.21	0.98
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	0.84	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.38	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.12	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.79	
			<i>For Horizontal Installation >10' High, Add</i>	1.03	
			<i>For Curved Wall, Add</i>	0.74	
			<i>For 12" On Center, Add</i>	0.72	
			<i>For 24" On Center, Deduct</i>	-0.72	
			<i>For Up To 100, Add</i>	1.33	
			<i>For >100 To 300, Add</i>	0.67	
			<i>For >1,000, Deduct</i>	-0.39	
09 22 16 13-0007			20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0008	SF		1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.42	0.83
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	0.68	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.00	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.62	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.65	
			<i>For Horizontal Installation >10' High, Add</i>	0.86	
			<i>For Curved Wall, Add</i>	0.62	
			<i>For 12" On Center, Add</i>	0.58	
			<i>For 24" On Center, Deduct</i>	-0.58	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 300, Add</i>	0.55	
			<i>For >1,000, Deduct</i>	-0.31	
09 22 16 13-0009	SF		2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.76	0.88
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	0.75	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.12	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.77	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.70	
			<i>For Horizontal Installation >10' High, Add</i>	0.92	
			<i>For Curved Wall, Add</i>	0.65	
			<i>For 12" On Center, Add</i>	0.64	
			<i>For 24" On Center, Deduct</i>	-0.64	
			<i>For Up To 100, Add</i>	1.19	
			<i>For >100 To 300, Add</i>	0.59	
			<i>For >1,000, Deduct</i>	-0.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.15	0.91
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
<i>For Walls >10' High, Add</i>	0.83	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.24	
<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.92	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.76	
<i>For Horizontal Installation >10' High, Add</i>	0.99	
<i>For Curved Wall, Add</i>	0.68	
<i>For 12" On Center, Add</i>	0.72	
<i>For 24" On Center, Deduct</i>	-0.72	
<i>For Up To 100, Add</i>	1.29	
<i>For >100 To 300, Add</i>	0.64	
<i>For >1,000, Deduct</i>	-0.39	
09 22 16 13-0011 SF 4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	4.42	0.96
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
<i>For Walls >10' High, Add</i>	0.88	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.35	
<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.07	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.80	
<i>For Horizontal Installation >10' High, Add</i>	1.04	
<i>For Curved Wall, Add</i>	0.72	
<i>For 12" On Center, Add</i>	0.76	
<i>For 24" On Center, Deduct</i>	-0.76	
<i>For Up To 100, Add</i>	1.36	
<i>For >100 To 300, Add</i>	0.68	
<i>For >1,000, Deduct</i>	-0.42	
09 22 16 13-0012 SF 6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.13	1.01
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
<i>For Walls >10' High, Add</i>	1.23	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.62	
<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.37	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.99	
<i>For Horizontal Installation >10' High, Add</i>	1.24	
<i>For Curved Wall, Add</i>	0.75	
<i>For 12" On Center, Add</i>	1.10	
<i>For 24" On Center, Deduct</i>	-1.10	
<i>For Up To 100, Add</i>	1.73	
<i>For >100 To 300, Add</i>	0.86	
<i>For >1,000, Deduct</i>	-0.67	
09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0014 SF 2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.18	0.89
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
<i>For Walls >10' High, Add</i>	1.04	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.30	
<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.97	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.85	
<i>For Horizontal Installation >10' High, Add</i>	1.08	
<i>For Curved Wall, Add</i>	0.67	
<i>For 12" On Center, Add</i>	0.92	
<i>For 24" On Center, Deduct</i>	-0.92	
<i>For Up To 100, Add</i>	1.48	
<i>For >100 To 300, Add</i>	0.74	
<i>For >1,000, Deduct</i>	-0.55	
09 22 16 13-0015 SF 3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.72	0.93
<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
<i>For Walls >10' High, Add</i>	1.14	
<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.44	
<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.15	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.92	
<i>For Horizontal Installation >10' High, Add</i>	1.16	
<i>For Curved Wall, Add</i>	0.70	
<i>For 12" On Center, Add</i>	1.03	
<i>For 24" On Center, Deduct</i>	-1.03	
<i>For Up To 100, Add</i>	1.61	
<i>For >100 To 300, Add</i>	0.81	
<i>For >1,000, Deduct</i>	-0.62	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.14	0.98
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	1.23	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.57	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.31	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.98	
			<i>For Horizontal Installation >10' High, Add</i>	1.23	
			<i>For Curved Wall, Add</i>	0.74	
			<i>For 12" On Center, Add</i>	1.11	
			<i>For 24" On Center, Deduct</i>	-1.11	
			<i>For Up To 100, Add</i>	1.72	
			<i>For >100 To 300, Add</i>	0.86	
			<i>For >1,000, Deduct</i>	-0.68	
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.00	1.03
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	1.60	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.86	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.64	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.19	
			<i>For Horizontal Installation >10' High, Add</i>	1.45	
			<i>For Curved Wall, Add</i>	0.77	
			<i>For 12" On Center, Add</i>	1.47	
			<i>For 24" On Center, Deduct</i>	-1.47	
			<i>For Up To 100, Add</i>	2.12	
			<i>For >100 To 300, Add</i>	1.06	
			<i>For >1,000, Deduct</i>	-0.94	
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.70	1.09
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	1.74	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.03	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.84	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.28	
			<i>For Horizontal Installation >10' High, Add</i>	1.55	
			<i>For Curved Wall, Add</i>	0.81	
			<i>For 12" On Center, Add</i>	1.61	
			<i>For 24" On Center, Deduct</i>	-1.61	
			<i>For Up To 100, Add</i>	2.28	
			<i>For >100 To 300, Add</i>	1.14	
			<i>For >1,000, Deduct</i>	-1.04	
09 22 16 13-0019			16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.50	0.91
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	1.10	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.37	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.06	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.89	
			<i>For Horizontal Installation >10' High, Add</i>	1.12	
			<i>For Curved Wall, Add</i>	0.68	
			<i>For 12" On Center, Add</i>	0.99	
			<i>For 24" On Center, Deduct</i>	-0.99	
			<i>For Up To 100, Add</i>	1.56	
			<i>For >100 To 300, Add</i>	0.78	
			<i>For >1,000, Deduct</i>	-0.60	
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.46	0.96
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
			<i>For Walls >10' High, Add</i>	1.29	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.56	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.28	
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.00	
			<i>For Horizontal Installation >10' High, Add</i>	1.24	
			<i>For Curved Wall, Add</i>	0.72	
			<i>For 12" On Center, Add</i>	1.17	
			<i>For 24" On Center, Deduct</i>	-1.17	
			<i>For Up To 100, Add</i>	1.77	
			<i>For >100 To 300, Add</i>	0.89	
			<i>For >1,000, Deduct</i>	-0.73	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0022	SF			4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.83	1.01
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls >10' High, Add</i>	1.37	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.69	
				<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.44	
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.06	
				<i>For Horizontal Installation >10' High, Add</i>	1.31	
				<i>For Curved Wall, Add</i>	0.75	
				<i>For 12" On Center, Add</i>	1.24	
				<i>For 24" On Center, Deduct</i>	-1.24	
				<i>For Up To 100, Add</i>	1.87	
				<i>For >100 To 300, Add</i>	0.93	
				<i>For >1,000, Deduct</i>	-0.77	
09 22 16 13-0023	SF			6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.63	1.05
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls >10' High, Add</i>	1.73	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.98	
				<i>For Soffit, Columns Or Beams >10' High, Add</i>	3.77	
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.26	
				<i>For Horizontal Installation >10' High, Add</i>	1.52	
				<i>For Curved Wall, Add</i>	0.79	
				<i>For 12" On Center, Add</i>	1.59	
				<i>For 24" On Center, Deduct</i>	-1.59	
				<i>For Up To 100, Add</i>	2.25	
				<i>For >100 To 300, Add</i>	1.13	
				<i>For >1,000, Deduct</i>	-1.03	
09 22 16 13-0024	SF			8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.50	1.11
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls >10' High, Add</i>	1.90	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.17	
				<i>For Soffit, Columns Or Beams >10' High, Add</i>	4.00	
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.37	
				<i>For Horizontal Installation >10' High, Add</i>	1.64	
				<i>For Curved Wall, Add</i>	0.83	
				<i>For 12" On Center, Add</i>	1.76	
				<i>For 24" On Center, Deduct</i>	-1.76	
				<i>For Up To 100, Add</i>	2.45	
				<i>For >100 To 300, Add</i>	1.23	
				<i>For >1,000, Deduct</i>	-1.15	
09 22 16 13-0025				Galvanized Steel Backing Plates <small>(09 22 16 13)</small>		
				Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026	LF			3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.60	
09 22 16 13-0027	LF			4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.94	
09 22 16 13-0028	LF			6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.49	
09 22 16 13-0029	LF			8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.04	
09 22 16 13-0030	LF			10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.58	
09 22 16 13-0031	LF			12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	4.26	
09 22 16 13-0032	LF			3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.05	
09 22 16 13-0033	LF			4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.52	
09 22 16 13-0034	LF			6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.35	
09 22 16 13-0035	LF			8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.17	
09 22 16 13-0036	LF			10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.02	
09 22 16 13-0037	LF			12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.97	
09 22 16 13-0038	LF			3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.76	
09 22 16 13-0039	LF			4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.43	
09 22 16 13-0040	LF			6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.64	
09 22 16 13-0041	LF			8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	5.86	
09 22 16 13-0042	LF			10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	7.18	
09 22 16 13-0043	LF			12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	8.45	
09 22 16 13-0044	LF			3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.25	
09 22 16 13-0045	LF			4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.08	
09 22 16 13-0046	LF			6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.61	
09 22 16 13-0047	LF			8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	7.15	
09 22 16 13-0048	LF			10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	8.79	
09 22 16 13-0049	LF			12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	10.39	
09 22 36				Lath <small>(09 22)</small>		
09 22 36 13				Gypsum Lath <small>(09 22 36)</small>		
09 22 36 13-0001				Plaster Base Gypsum Panels <small>(09 22 36 13)</small>		
09 22 36 13-0002	SF			3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.62	0.53
				<i>For Walls >10' High, Add</i>	0.14	
				<i>For Up To 100, Add</i>	0.54	
				<i>For >100 To 500, Add</i>	0.27	
				<i>For >5,000, Deduct</i>	-0.11	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.24	0.62
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 500, Add</i>	0.31	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.87	0.72
			<i>For Walls >10' High, Add</i>	0.18	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.04	0.76
			<i>For Ceilings >10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 500, Add</i>	0.38	
			<i>For >5,000, Deduct</i>	-0.15	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.74	0.87
			<i>For Ceilings >10' High, Add</i>	0.26	
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.17	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	3.44	1.01
			<i>For Ceilings >10' High, Add</i>	0.30	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 500, Add</i>	0.50	
			<i>For >5,000, Deduct</i>	-0.20	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.47	0.97
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.24	1.12
			<i>For Columns And Beams >10' High, Add</i>	0.34	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >5,000, Deduct</i>	-0.22	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	4.01	1.29
			<i>For Columns And Beams >10' High, Add</i>	0.38	
			<i>For Up To 100, Add</i>	1.28	
			<i>For >100 To 500, Add</i>	0.64	
			<i>For >5,000, Deduct</i>	-0.26	
09 22 36 13-0011			Firestop Plaster Base Gypsum Panels <small>(09 22 36 13)</small>		
09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.28	0.53
			<i>For Walls >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.64	0.62
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 500, Add</i>	0.31	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.70	0.76
			<i>For Ceilings >10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 500, Add</i>	0.38	
			<i>For >5,000, Deduct</i>	-0.15	
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	3.14	0.87
			<i>For Ceilings >10' High, Add</i>	0.26	
			<i>For Up To 100, Add</i>	0.87	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.17	
09 22 36 13-0016	SF		3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.13	0.97
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 500, Add</i>	0.48	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 13-0017	SF		1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.64	1.12
			<i>For Columns And Beams >10' High, Add</i>	0.34	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 500, Add</i>	0.56	
			<i>For >5,000, Deduct</i>	-0.22	
09 22 36 13-0018			Foil Back Plaster Base Gypsum Panels <small>(09 22 36 13)</small>		
09 22 36 13-0019	SF		3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.28	0.53
			<i>For Walls >10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
09 22 36 13-0020	SF		1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.64	0.62
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 500, Add</i>	0.31	
			<i>For >5,000, Deduct</i>	-0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0021 SF 3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.70	0.76
<i>For Ceilings >10' High, Add</i>	0.23	
<i>For Up To 100, Add</i>	0.75	
<i>For >100 To 500, Add</i>	0.38	
<i>For >5,000, Deduct</i>	-0.15	
09 22 36 13-0022 SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.14	0.87
<i>For Ceilings >10' High, Add</i>	0.26	
<i>For Up To 100, Add</i>	0.87	
<i>For >100 To 500, Add</i>	0.44	
<i>For >5,000, Deduct</i>	-0.17	
09 22 36 13-0023 SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.13	0.97
<i>For Columns And Beams >10' High, Add</i>	0.29	
<i>For Up To 100, Add</i>	0.97	
<i>For >100 To 500, Add</i>	0.48	
<i>For >5,000, Deduct</i>	-0.19	
09 22 36 13-0024 SF 1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.64	1.12
<i>For Columns And Beams >10' High, Add</i>	0.34	
<i>For Up To 100, Add</i>	1.12	
<i>For >100 To 500, Add</i>	0.56	
<i>For >5,000, Deduct</i>	-0.22	
 09 22 36 23 Metal Lath (09 22 36)		
09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)		
09 22 36 23-0002 SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.61	0.75
<i>For Walls >10' High, Add</i>	0.21	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.83	
<i>For >100 To 500, Add</i>	0.42	
<i>For >5,000, Deduct</i>	-0.17	
09 22 36 23-0003 SF 2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.74	0.75
<i>For Walls >10' High, Add</i>	0.21	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.83	
<i>For >100 To 500, Add</i>	0.42	
<i>For >5,000, Deduct</i>	-0.17	
09 22 36 23-0004 SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.87	0.75
<i>For Walls >10' High, Add</i>	0.21	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.83	
<i>For >100 To 500, Add</i>	0.42	
<i>For >5,000, Deduct</i>	-0.17	
09 22 36 23-0005 SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.31	0.80
<i>For Walls >10' High, Add</i>	0.22	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.89	
<i>For >100 To 500, Add</i>	0.44	
<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0006 SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.84	0.85
<i>For Ceilings >10' High, Add</i>	0.28	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.95	
<i>For >100 To 500, Add</i>	0.47	
<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0007 SF 2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.97	0.85
<i>For Ceilings >10' High, Add</i>	0.28	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.95	
<i>For >100 To 500, Add</i>	0.47	
<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0008 SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.10	0.85
<i>For Ceilings >10' High, Add</i>	0.28	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.95	
<i>For >100 To 500, Add</i>	0.47	
<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0009 SF 3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.43	0.85
<i>For Ceilings >10' High, Add</i>	0.28	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	0.95	
<i>For >100 To 500, Add</i>	0.47	
<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0010 SF 1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.74	1.20
<i>For Columns And Beams >10' High, Add</i>	0.40	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	1.33	
<i>For >100 To 500, Add</i>	0.67	
<i>For >5,000, Deduct</i>	-0.27	
09 22 36 23-0011 SF 2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.87	1.20
<i>For Columns And Beams >10' High, Add</i>	0.40	
<i>For Paper Backed Lath, Add</i>	0.06	
<i>For Up To 100, Add</i>	1.33	
<i>For >100 To 500, Add</i>	0.67	
<i>For >5,000, Deduct</i>	-0.27	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.00	1.20
			<i>For Columns And Beams >10' High, Add</i>	0.40	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.33	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >5,000, Deduct</i>	-0.27	
09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.98	1.50
			<i>For Columns And Beams >10' High, Add</i>	0.50	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.66	
			<i>For >100 To 500, Add</i>	0.83	
			<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0014			Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.72	0.80
			<i>For Walls >10' High, Add</i>	0.22	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.85	0.80
			<i>For Walls >10' High, Add</i>	0.22	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.98	0.80
			<i>For Walls >10' High, Add</i>	0.22	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	3.31	0.80
			<i>For Walls >10' High, Add</i>	0.22	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.89	
			<i>For >100 To 500, Add</i>	0.44	
			<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.39	1.50
			<i>For Columns And Beams >10' High, Add</i>	0.50	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.66	
			<i>For >100 To 500, Add</i>	0.83	
			<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.52	1.50
			<i>For Columns And Beams >10' High, Add</i>	0.50	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.66	
			<i>For >100 To 500, Add</i>	0.83	
			<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	4.65	1.50
			<i>For Columns And Beams >10' High, Add</i>	0.50	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.66	
			<i>For >100 To 500, Add</i>	0.83	
			<i>For >5,000, Deduct</i>	-0.33	
09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	5.46	1.71
			<i>For Columns And Beams >10' High, Add</i>	0.57	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.90	
			<i>For >100 To 500, Add</i>	0.95	
			<i>For >5,000, Deduct</i>	-0.38	
09 22 36 23-0023			High Rib Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.20	0.85
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0025	SF		3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.39	0.85
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0026	SF		3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.51	0.85
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 23-0027	SF		4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.72	0.85
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 36 33 Fiberglass Lath (09 22 36)

09 22 36 33-0001 Non-Metallic, Fiberglass Lath (09 22 36 33)

09 22 36 33-0002	SF 1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.50		0.85
	<i>For Ceilings >10' High, Add</i>	0.28		
	<i>For Up To 100, Add</i>	0.95		
	<i>For >100 To 500, Add</i>	0.47		
	<i>For >5,000, Deduct</i>	-0.19		
09 22 36 33-0003	SF 1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.74		0.85
	<i>For Ceilings >10' High, Add</i>	0.28		
	<i>For Up To 100, Add</i>	0.95		
	<i>For >100 To 500, Add</i>	0.47		
	<i>For >5,000, Deduct</i>	-0.19		
09 22 36 33-0004	SF 1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.38		0.80
	<i>For Walls >10' High, Add</i>	0.22		
	<i>For Up To 100, Add</i>	0.89		
	<i>For >100 To 500, Add</i>	0.44		
	<i>For >5,000, Deduct</i>	-0.18		
09 22 36 33-0005	SF 1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.62		0.80
	<i>For Walls >10' High, Add</i>	0.22		
	<i>For Up To 100, Add</i>	0.89		
	<i>For >100 To 500, Add</i>	0.44		
	<i>For >5,000, Deduct</i>	-0.18		

09 23 Gypsum Plastering (09 20)

09 23 13 Acoustical Gypsum Plastering (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002	LF Galvanized Expanded Flange Casing Bead For Plaster Applications.....	4.94		1.20
09 23 13 00-0003	LF Zinc Expanded Flange Casing Bead For Plaster Applications.....	4.95		1.20
09 23 13 00-0004	LF Vinyl Expanded Flange Casing Bead For Plaster Applications.....	5.23		1.20
09 23 13 00-0005	LF Galvanized Corner Bead For Plaster Applications.....	4.74		1.20
09 23 13 00-0006	LF Vinyl Corner Bead For Plaster Applications.....	4.77		1.20

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008	LF Galvanized "J" Trim For Plaster Applications.....	5.09		1.20
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.24		
	<i>For Zinc Instead Of Galvanized, Add</i>	1.61		
09 23 13 00-0009	LF Galvanized "L" Trim For Plaster Applications	5.09		1.20
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.24		
	<i>For Zinc Instead Of Galvanized, Add</i>	1.61		
09 23 13 00-0010	LF Galvanized "U" Trim For Plaster Applications.....	5.09		1.20
	<i>For Vinyl Instead Of Galvanized, Add</i>	0.24		
	<i>For Zinc Instead Of Galvanized, Add</i>	1.61		

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012	SF 1" Architectural Foam Forms To Cover With Plaster	5.75		
09 23 13 00-0013	LF 3/4" Galvanized Expansion Joint For Plaster Applications.....	5.84		1.20

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0015	SF Skim Coat One Coat Gypsum Plaster On Walls	1.44		
	<i>For Walls >10' High, Add</i>	0.12		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.18		
	<i>For Horizontal Installation >10' High, Add</i>	0.37		
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.38		
	<i>For Columns Or Beams >10' High, Add</i>	0.57		
	<i>For Up To 100, Add</i>	0.62		
	<i>For >100 To 500, Add</i>	0.31		
	<i>For >5,000, Deduct</i>	-0.25		
09 23 13 00-0016	SF For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	1.04		
	<i>For Walls >10' High, Add</i>	0.09		
	<i>For Horizontal Installation Up To 10' High, Add</i>	0.13		
	<i>For Horizontal Installation >10' High, Add</i>	0.26		
	<i>For Columns Or Beams Up To 10' High, Add</i>	0.27		
	<i>For Columns Or Beams >10' High, Add</i>	0.40		
	<i>For Up To 100, Add</i>	0.44		
	<i>For >100 To 500, Add</i>	0.22		
	<i>For >5,000, Deduct</i>	-0.18		

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls (09 23 13)

09 Finishes**09 20 Plaster and Gypsum Board****09 23 Gypsum Plastering**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 23 13 00-0018	SF Smooth Finish Two Coats Gypsum Plaster On Walls	7.11	4.07
	For Walls >10' High, Add	0.67	
	For Horizontal Installation Up To 10' High, Add	1.01	
	For Horizontal Installation >10' High, Add	2.02	
	For Columns Or Beams Up To 10' High, Add	2.08	
	For Columns Or Beams >10' High, Add	3.09	
	For Up To 100, Add	3.36	
	For >100 To 500, Add	1.68	
	For >5,000, Deduct	-1.34	
09 23 13 00-0019	SF Sand Aggregate Two Coats Gypsum Plaster On Walls	7.19	3.85
	For Walls >10' High, Add	0.63	
	For Horizontal Installation Up To 10' High, Add	0.95	
	For Horizontal Installation >10' High, Add	1.89	
	For Columns Or Beams Up To 10' High, Add	1.95	
	For Columns Or Beams >10' High, Add	2.90	
	For Up To 100, Add	3.15	
	For >100 To 500, Add	1.58	
	For >5,000, Deduct	-1.26	
09 23 13 00-0020	SF Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	7.32	3.85
	For Walls >10' High, Add	0.63	
	For Horizontal Installation Up To 10' High, Add	0.95	
	For Horizontal Installation >10' High, Add	1.89	
	For Columns Or Beams Up To 10' High, Add	1.95	
	For Columns Or Beams >10' High, Add	2.90	
	For Up To 100, Add	3.15	
	For >100 To 500, Add	1.58	
	For >5,000, Deduct	-1.26	
09 23 13 00-0021	Three Coats Gypsum Plaster On Walls <small>(09 23 13)</small>		
09 23 13 00-0022	SF Smooth Finish Three Coats Gypsum Plaster On Walls	8.59	4.96
	For Walls >10' High, Add	0.80	
	For Horizontal Installation Up To 10' High, Add	1.20	
	For Horizontal Installation >10' High, Add	2.41	
	For Columns Or Beams Up To 10' High, Add	2.49	
	For Columns Or Beams >10' High, Add	3.69	
	For Up To 100, Add	4.02	
	For >100 To 500, Add	2.01	
	For >5,000, Deduct	-1.61	
09 23 13 00-0023	SF Sand Aggregate Three Coats Gypsum Plaster On Walls	8.50	4.52
	For Walls >10' High, Add	0.74	
	For Horizontal Installation Up To 10' High, Add	1.12	
	For Horizontal Installation >10' High, Add	2.23	
	For Columns Or Beams Up To 10' High, Add	2.31	
	For Columns Or Beams >10' High, Add	3.42	
	For Up To 100, Add	3.72	
	For >100 To 500, Add	1.86	
	For >5,000, Deduct	-1.49	
09 23 13 00-0024	SF Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	8.08	4.52
	For Walls >10' High, Add	0.74	
	For Horizontal Installation Up To 10' High, Add	1.11	
	For Horizontal Installation >10' High, Add	2.22	
	For Columns Or Beams Up To 10' High, Add	2.30	
	For Columns Or Beams >10' High, Add	3.41	
	For Up To 100, Add	3.71	
	For >100 To 500, Add	1.85	
	For >5,000, Deduct	-1.48	
09 23 13 00-0025	Plaster Bonding Agent <small>(09 23 13)</small>		
09 23 13 00-0026	SF 1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.90	
	For Walls >10' High, Add	0.06	
	For Columns Or Beams Up To 10' High, Add	0.20	
	For Columns Or Beams >10' High, Add	0.29	
	For Ceiling Application Up To 10' High, Add	0.09	
	For Ceiling Application >10' High, Add	0.15	
09 24 Cement Plastering <small>(09 20)</small>			
09 24 13 Acoustical Cement Plastering <small>(09 24)</small>			
09 24 13 00-0001	Keene's Cement Plaster, Quick Setting, White Hard Plaster <small>(09 24 13)</small>		
	Note: Used for areas with higher than normal moisture.		
09 24 13 00-0002	SF 1 Coat Keene's Cement Plaster On Walls	5.44	2.76
	For Walls >10' High, Add	0.44	
	For Horizontal Installation Up To 10' High, Add	0.66	
	For Horizontal Installation >10' High, Add	1.32	
	For Columns Or Beams Up To 10' High, Add	1.37	
	For Columns Or Beams >10' High, Add	2.03	
	For Up To 100, Add	2.21	
	For >100 To 500, Add	1.10	
	For >5,000, Deduct	-0.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0003 SF 2 Coat Keene's Cement Plaster On Walls	8.28	4.30
For Walls >10' High, Add	0.70	
For Horizontal Installation Up To 10' High, Add	1.05	
For Horizontal Installation >10' High, Add	2.09	
For Columns Or Beams Up To 10' High, Add	2.16	
For Columns Or Beams >10' High, Add	3.21	
For Up To 100, Add	3.49	
For >100 To 500, Add	1.75	
For >5,000, Deduct	-1.40	
09 24 13 00-0004 SF 3 Coat Keene's Cement Plaster On Walls	9.36	4.84
For Walls >10' High, Add	0.79	
For Horizontal Installation Up To 10' High, Add	1.18	
For Horizontal Installation >10' High, Add	2.37	
For Columns Or Beams Up To 10' High, Add	2.45	
For Columns Or Beams >10' High, Add	3.63	
For Up To 100, Add	3.95	
For >100 To 500, Add	1.97	
For >5,000, Deduct	-1.58	

09 24 23 Cement Stucco (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco (09 24 23)

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

09 24 23 00-0002 SF Scratch/Brown/Finish, Three Coat Troweled Stucco	10.53	3.42
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.93	
For Horizontal Installation Up To 10' High, Add	1.40	
For Horizontal Installation >10' High, Add	2.80	
For Columns Or Beams Up To 10' High, Add	2.89	
For Columns Or Beams >10' High, Add	4.29	
For Color Added To Finish Coat, Add	0.15	
For Smooth Float Finish, Add	1.96	
For Up To 100, Add	4.67	
For >100 To 500, Add	2.33	
For >5,000, Deduct	-1.87	
09 24 23 00-0003 SF Scratch/Brown, Two Coat Troweled Stucco	4.47	1.65
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.34	
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	1.03	
For Columns Or Beams Up To 10' High, Add	1.06	
For Columns Or Beams >10' High, Add	1.57	
For Up To 100, Add	1.71	
For >100 To 500, Add	0.86	
For >5,000, Deduct	-0.68	
09 24 23 00-0004 SF Scratch/Finish, Two Coat Troweled Stucco	6.93	1.65
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.61	
For Horizontal Installation Up To 10' High, Add	0.91	
For Horizontal Installation >10' High, Add	1.82	
For Columns Or Beams Up To 10' High, Add	1.88	
For Columns Or Beams >10' High, Add	2.79	
For Color Added To Finish Coat, Add	0.15	
For Smooth Float Finish, Add	1.67	
For Up To 100, Add	3.03	
For >100 To 500, Add	1.52	
For >5,000, Deduct	-1.21	
09 24 23 00-0005 SF Finish Coat Troweled Stucco	4.56	1.10
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.44	
For Horizontal Installation Up To 10' High, Add	0.66	
For Horizontal Installation >10' High, Add	1.32	
For Columns Or Beams Up To 10' High, Add	1.37	
For Columns Or Beams >10' High, Add	2.03	
For Color Added To Finish Coat, Add	0.15	
For Smooth Float Finish, Add	1.66	
For Up To 100, Add	2.21	
For >100 To 500, Add	1.10	
For >5,000, Deduct	-0.88	

09 24 33 Cement Parging (09 24)

09 24 33 00-0001 Cement Parging (09 24 33)

09 24 33 00-0002 SF 1/8" Thick Sand And Cement Parging	4.02
09 24 33 00-0003 SF 1/4" Thick Sand And Cement Parging	5.12
09 24 33 00-0004 SF 1/2" Thick Sand And Cement Parging	7.82

09 28 Backing Boards and Underlayments (09 20)

09 28 13 Cementitious Backing Boards (09 28)

09 Finishes**09 20 Plaster and Gypsum Board****09 28 Backing Boards and Underlayments**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 28 13 00-0001		Cementitious Backer Units <small>(09 28 13)</small>		
		Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.26	0.81
		For Up To 50, Add	3.46	
		For >50 To 250, Add	0.64	
		For >1,000, Deduct	-0.32	
		For Installation On Wall, Add	0.64	
		For Installation On Ceiling, Add	1.60	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	4.92	0.96
		For Up To 50, Add	4.10	
		For >50 To 250, Add	0.76	
		For >1,000, Deduct	-0.38	
		For Installation On Wall, Add	0.76	
		For Installation On Ceiling, Add	1.91	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.00	1.12
		For Up To 50, Add	4.85	
		For >50 To 250, Add	0.89	
		For >1,000, Deduct	-0.45	
		For Installation On Wall, Add	0.89	
		For Installation On Ceiling, Add	2.24	
09 28 16		Glass-Mat Faced Gypsum Backing Boards <small>(09 28)</small>		
09 28 16 00-0001		Glass Mat Faced Backer Units, DensShield <small>(09 28 16)</small>		
		Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	3.73	0.90
		For Up To 50, Add	2.66	
		For >50 To 250, Add	0.46	
		For >1,000, Deduct	-0.23	
		For Installation On Wall, Add	0.46	
		For Installation On Ceiling, Add	1.15	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	4.11	1.02
		For Up To 50, Add	2.94	
		For >50 To 250, Add	0.51	
		For >1,000, Deduct	-0.26	
		For Installation On Wall, Add	0.51	
		For Installation On Ceiling, Add	1.28	
09 29		Gypsum Board <small>(09 29)</small>		
		Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
09 29 10		Gypsum Board <small>(09 29)</small>		
09 29 10 00-0001		Standard Gypsum Board Application <small>(09 29 10)</small>		
		Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.		
09 29 10 00-0002		Standard Gypsum Board Application <small>(09 29 10 00-0001)</small>		
09 29 10 00-0003	SF	1/4" Gypsum Board.....	1.41	0.51
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.24	
		For Adhesive Applied Sheets, Add	0.11	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	0.35	
		For Horizontal Installation >10' High, Add	0.51	
		For Walls >10' High, Add	0.08	
		For Up To 128, Add	0.49	
		For >128 To 320, Add	0.29	
		For >1,536, Deduct	-0.11	
09 29 10 00-0004	SF	3/8" Gypsum Board.....	1.54	0.58
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
		For Adhesive Applied Sheets, Add	0.12	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.39	
		For Horizontal Installation >10' High, Add	0.58	
		For Walls >10' High, Add	0.09	
		For Up To 128, Add	0.54	
		For >128 To 320, Add	0.33	
		For >1,536, Deduct	-0.12	
09 29 10 00-0005	SF	1/2" Gypsum Board.....	1.71	0.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
		For Adhesive Applied Sheets, Add	0.13	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.45	
		For Horizontal Installation >10' High, Add	0.66	
		For Walls >10' High, Add	0.11	
		For Up To 128, Add	0.61	
		For >128 To 320, Add	0.37	
		For >1,536, Deduct	-0.12	



		Finishes	09
		Plaster and Gypsum Board	09 20
		Gypsum Board	09 29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0006	SF		5/8" Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.01 0.35 0.14 0.10 0.52 0.76 0.12 0.71 0.43 -0.15	0.76
09 29 10 00-0007			Fire Rated Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0008			Type X, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0009	SF		5/8" Type X Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.16 0.39 0.14 0.10 0.57 0.84 0.13 0.77 0.47 -0.16	0.76
09 29 10 00-0010			Type C, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0011	SF		1/2" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.95 0.34 0.13 0.10 0.49 0.73 0.12 0.68 0.41 -0.15	0.66
09 29 10 00-0012	SF		5/8" Type C Fire Rated Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.21 0.39 0.14 0.10 0.57 0.84 0.13 0.78 0.47 -0.16	0.76
09 29 10 00-0013			Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)		
09 29 10 00-0014	SF		3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.88 0.40 0.14 0.57 0.84 0.13 0.91 0.54 -0.26	0.76
09 29 10 00-0015			Moisture Resistant Gypsum Board Application (09 29 10 00-0001) <i>Note: Water-resistant gypsum core.</i>		
09 29 10 00-0016	SF		1/2" Moisture Resistant Gypsum Board <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.84 0.31 0.13 0.45 0.66 0.11 0.63 0.38 -0.14	0.66

09 Finishes

09 20 Plaster and Gypsum Board

09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0017	SF		5/8" Moisture Resistant Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	2.34 0.36 0.14 0.52 0.76 0.12 0.77 0.46 -0.20	0.66
09 29 10 00-0018			Vinyl Faced Gypsum Board Application (09 29 10 00-0001) Note: Includes clips and adhesive.		
09 29 10 00-0019	SF		3/8" Prefinished, Vinyl Faced Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	3.27 0.29 0.12 0.39 0.58 0.09 0.88 0.50 -0.38	0.51
09 29 10 00-0020	SF		1/2" Prefinished, Vinyl Faced Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	3.44 0.32 0.13 0.45 0.66 0.11 0.95 0.54 -0.38	0.66
09 29 10 00-0021	SF		5/8" Prefinished, Vinyl Faced Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	3.64 0.37 0.14 0.52 0.76 0.12 1.03 0.59 -0.39	0.76
09 29 10 00-0022	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	3.95 0.36 0.13 0.49 0.73 0.12 1.08 0.61 -0.45	0.66
09 29 10 00-0023	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	5.84 0.43 0.14 0.57 0.84 0.13 1.50 0.84 -0.71	0.76
09 29 10 00-0024			Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0025	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™) For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Non-reinforced Board, Deduct For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	2.09 0.31 0.13 -0.08 0.45 0.66 0.11 0.68 0.41 -0.18	0.64



Finishes	09	09
Plaster and Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0026 SF 5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	2.47	0.73
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Non-reinforced Board, Deduct	-0.08	
For Horizontal Installation Up To 10' High, Add	0.52	
For Horizontal Installation >10' High, Add	0.76	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.80	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.22	
09 29 10 00-0027 SF 1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.45	0.64
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
For Adhesive Applied Sheets, Add	0.13	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.49	
For Horizontal Installation >10' High, Add	0.73	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.78	
For >128 To 320, Add	0.46	
For >1,536, Deduct	-0.22	
09 29 10 00-0028 SF 5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.77	0.73
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.57	
For Horizontal Installation >10' High, Add	0.84	
For Walls >10' High, Add	0.13	
For Up To 128, Add	0.89	
For >128 To 320, Add	0.53	
For >1,536, Deduct	-0.25	
09 29 10 00-0029 Impact Resistant Gypsum Board (09 29 10 00-0001)		
Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030 SF 5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	4.18	0.73
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.37	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.75	
For Walls >10' High, Add	0.12	
For Up To 128, Add	1.14	
For >128 To 320, Add	0.64	
For >1,536, Deduct	-0.48	
09 29 10 00-0031 Abuse Resistant Gypsum Board (09 29 10 00-0001)		
Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032 SF 5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.51	0.73
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.51	
For Horizontal Installation >10' High, Add	0.75	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.80	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.23	
09 29 10 00-0033 Noise Reducing Gypsum Board (09 29 10 00-0001)		
09 29 10 00-0034 SF 1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	4.45	0.77
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38	
For Adhesive Applied Sheets, Add	0.14	
Note: Includes bracing until adhesive is bonded		
For Horizontal Installation Up To 10' High, Add	0.52	
For Horizontal Installation >10' High, Add	0.77	
For Walls >10' High, Add	0.12	
For Up To 128, Add	1.20	
For >128 To 320, Add	0.67	
For >1,536, Deduct	-0.51	

09	09 Finishes
	09 20 Plaster and Gypsum Board
	09 29 Gypsum Board



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0035	SF 5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	5.27 0.39 0.14 0.52 0.77 0.12 1.36 0.76 -0.64	0.77
09 29 10 00-0036	Finishing Gypsum Board Applications (09 29 10) <i>Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.</i>		
09 29 10 00-0037	Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)		
09 29 10 00-0038	SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board..... <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >5,400, Deduct</i> <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i> <i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.88 0.34 0.21 -0.09 -0.42 -0.21 -0.08 0.65 0.65	
09 29 10 00-0039	SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board..... <i>Note: Use this task for the entire wall area when the wall is >10' high.</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >5,400, Deduct</i> <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i> <i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	1.17 0.45 0.28 -0.12 -0.56 -0.28 -0.11 0.87 0.87	
09 29 10 00-0040	Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 10 00-0036)		
09 29 10 00-0041	SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board..... <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >5,400, Deduct</i> <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i> <i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	1.15 0.44 0.28 -0.12 -0.55 -0.28 -0.11 0.85 0.85	
09 29 10 00-0042	SF >10' High, Ceilings, Tape, Spackle And Finish Gypsum Board..... <i>Note: Use this task for the entire wall area when the wall is >10' high.</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >5,400, Deduct</i> <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i> <i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	1.53 0.60 0.37 -0.15 -0.74 -0.37 -0.15 1.14 1.14	
09 29 10 00-0043	Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 (09 29 10 00-0036) <i>Note: Inside or outside gypsum board corners.</i>		
09 29 10 00-0044	LF Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board..... <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i>	1.75 -0.82 -0.41 -0.17 1.28	
09 29 10 00-0045	LF >10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board..... <i>Note: Use this task for the entire wall area when the wall is >10' high.</i> <i>For ASTM C840 Level 1 Finish, Deduct</i> <i>For ASTM C840 Level 2 Finish, Deduct</i> <i>For ASTM C840 Level 3 Finish, Deduct</i> <i>For ASTM C840 Level 5 High Quality Finish, Add</i>	2.10 -0.99 -0.50 -0.20 1.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0046			Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>		
			Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF		Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	2.04	
			For ASTM C840 Level 1 Finish, Deduct	-0.96	
			For ASTM C840 Level 2 Finish, Deduct	-0.48	
			For ASTM C840 Level 3 Finish, Deduct	-0.19	
			For ASTM C840 Level 5 High Quality Finish, Add	1.50	
09 29 10 00-0048	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	2.45	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For ASTM C840 Level 1 Finish, Deduct	-1.17	
			For ASTM C840 Level 2 Finish, Deduct	-0.58	
			For ASTM C840 Level 3 Finish, Deduct	-0.24	
			For ASTM C840 Level 5 High Quality Finish, Add	1.81	
09 29 10 00-0049			Casing And Corner Beads <small>(09 29 10)</small>		
09 29 10 00-0050	LF		Casing, Galvanized Steel J-Bead For Gypsum Board.....	4.62	1.27
			For Up To 100, Add	0.33	
			For >500, Deduct	-0.23	
09 29 10 00-0051	LF		Corner Bead, Galvanized Steel For Gypsum Board.....	4.48	1.27
			For Up To 100, Add	0.30	
			For >500, Deduct	-0.22	
09 29 10 00-0052			Preformed Architectural Profiles <small>(09 29 10)</small>		
09 29 10 00-0053			Trim Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>		
09 29 10 00-0054	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.38	1.53
09 29 10 00-0055	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.43	1.53
09 29 10 00-0056	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.63	1.53
09 29 10 00-0057	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.73	1.53
09 29 10 00-0058	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.99	1.53
09 29 10 00-0059	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.24	1.53
09 29 10 00-0060	LF		1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.49	1.53
09 29 10 00-0061	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.31	1.53
09 29 10 00-0062	LF		2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.12	1.53
09 29 10 00-0063	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.52	1.66
09 29 10 00-0064	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.52	1.66
09 29 10 00-0065	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.08	1.66
09 29 10 00-0066	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.18	1.66
09 29 10 00-0067	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.54	1.66
09 29 10 00-0068	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.69	1.66
09 29 10 00-0069	LF		1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.90	1.66
09 29 10 00-0070	LF		1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.81	1.66
09 29 10 00-0071	LF		2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.73	1.66
09 29 10 00-0072	LF		3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	13.38	1.92
09 29 10 00-0073	LF		4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	14.91	1.92
09 29 10 00-0074			Edge Trim For Gypsum Board <small>(09 29 10 00-0052)</small>		
09 29 10 00-0075	LF		1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	5.83	1.59
09 29 10 00-0076	LF		5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.24	1.59
09 29 10 00-0077	LF		1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.30	1.77
09 29 10 00-0078	LF		1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.67	1.92
09 29 10 00-0079	LF		1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	10.92	1.59
09 29 10 00-0080	LF		5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	11.33	1.59
09 29 10 00-0081	LF		1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	12.39	1.77
09 29 10 00-0082	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	12.75	1.92
09 29 10 00-0083			Bevel Trim For Gypsum Board <small>(09 29 10 00-0052)</small>		
09 29 10 00-0084	LF		5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	6.24	1.59
09 29 10 00-0085	LF		5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	7.15	1.77
09 29 10 00-0086			Trim/Wainscot Caps For Gypsum Board <small>(09 29 10 00-0052)</small>		
09 29 10 00-0087	LF		1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	8.53	1.92
09 29 10 00-0088			Single Fin Wall/Trim Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>		
09 29 10 00-0089	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.12	1.02
09 29 10 00-0090	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.20	1.15
09 29 10 00-0091	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.13	1.27
09 29 10 00-0092	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.57	1.40
09 29 10 00-0093	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.00	1.53
09 29 10 00-0094	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.16	1.53
09 29 10 00-0095	LF		1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.61	1.53
09 29 10 00-0096	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.48	1.53
09 29 10 00-0097	LF		2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.78	1.53
09 29 10 00-0098	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.54	1.66
09 29 10 00-0099	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.64	1.66

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.20		1.66
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.46		1.66
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.66		1.66
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.91		1.66
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.27		1.66
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.19		1.66
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.95		1.66
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	13.39		1.66
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	18.07		1.66
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.47		1.66
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.88		1.66
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.25		1.66
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.41		1.66
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	16.39		1.66
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	13.44		1.66
09 29 10 00-0115		'V' Groove Wall Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>			
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.39		2.30
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	10.76		2.55
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.24		3.06
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.45		3.32
09 29 10 00-0120		Double Fin Wall Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>			
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.82		1.53
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.92		1.53
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.02		1.53
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.02		1.53
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.48		1.53
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.68		1.51
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.88		1.53
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.34		1.53
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.11		1.53
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.92		1.53
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.32		1.66
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.42		1.66
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.63		1.66
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.08		1.66
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.29		1.66
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.44		1.66
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.95		1.66
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.76		1.66
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.58		1.66
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	14.76		1.66
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.34		1.66
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	17.35		1.82
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.74		2.22
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.40		2.22
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.78		1.51
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	14.60		2.22
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	10.49		1.51
09 29 10 00-0148		Special Conditions Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>			
09 29 10 00-0149		Radius Conditions <small>(09 29 10 00-0148)</small>			
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	127.14		
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	127.14		
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	127.14		
09 29 10 00-0153		Knee Brace Kit <small>(09 29 10 00-0148)</small>			
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	275.98		15.95
09 29 10 00-0155		Wall Bumper Rail <small>(09 29 10 00-0148)</small>			
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	38.19		6.37
09 29 10 00-0157		Corners For Gypsum Board <small>(09 29 10 00-0052)</small>			
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.16		1.53
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.71		1.66
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.67		1.73
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.79		1.82
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.08		2.22
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.15		2.49



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0164	LF			2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	18.41	2.84
09 29 10 00-0165	LF			3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	22.36	3.32
09 29 10 00-0166	LF			4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	30.73	4.43
09 29 10 00-0167	LF			90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	8.15	1.47
09 29 10 00-0168	LF			90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	14.96	2.00
09 29 10 00-0169	LF			90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	10.74	2.00
09 29 10 00-0170	LF			90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	19.44	2.00
09 29 10 00-0171	LF			45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	27.66	2.49
09 29 10 00-0172	LF			60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	26.54	2.49
09 29 10 00-0173	LF			3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	8.00	1.73
09 29 10 00-0174	LF			5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	8.05	1.66
09 29 10 00-0175	LF			1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	8.10	1.53
09 29 10 00-0176	LF			5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	8.51	1.66
09 29 10 00-0177	LF			1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	11.45	1.82
09 29 10 00-0178	LF			1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	10.09	1.53
09 29 10 00-0179	LF			5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	10.64	1.66
09 29 10 00-0180	LF			1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	15.62	1.82
09 29 10 00-0181	LF			1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	17.21	1.53
09 29 10 00-0182	LF			3" Aluminum Extrusions, Bullnose For Gypsum Board.....	29.53	3.32
09 29 10 00-0183	LF			3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	31.57	3.32
09 29 10 00-0184	LF			5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	58.47	5.54
09 29 10 00-0185	LF			7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	97.06	7.85
09 29 10 00-0186	LF			3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	9.72	1.70
09 29 10 00-0187	LF			1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	11.10	1.79
09 29 10 00-0188	LF			1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	13.33	2.18
09 29 10 00-0189	LF			2"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	16.37	2.45
09 29 10 00-0190	LF			2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	23.24	2.80
09 29 10 00-0191	LF			3"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	25.11	3.28
09 29 10 00-0192	LF			4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	28.49	4.37
09 29 10 00-0193	LF			3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	18.09	3.28
09 29 10 00-0194	LF			3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	18.35	3.28
09 29 10 00-0195	LF			4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	19.97	3.28
09 29 10 00-0196	LF			5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	20.48	3.28

09 29 82 Gypsum Board Fire Protection (09 29)

09 29 82 00-0001 Shaft Wall (09 29 82)

See CSI section 09 29 10 00-0036 for finishing drywall.						
09 29 82 00-0002	SF			3/4" Fire Rated Shaft Wall Assembly.....	7.81	3.19
				Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	2.17	
				<i>For Horizontal Installation >10' High, Add</i>	3.19	
				<i>For Walls >10' High, Add</i>	0.51	
				<i>For Up To 128, Add</i>	2.84	
				<i>For >128 To 320, Add</i>	1.74	
				<i>For >1,536, Deduct</i>	-0.53	
09 29 82 00-0003	SF			7/8" Fire Rated Shaft Wall Assembly.....	9.12	3.82
				Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	2.60	
				<i>For Horizontal Installation >10' High, Add</i>	3.83	
				<i>For Walls >10' High, Add</i>	0.61	
				<i>For Up To 128, Add</i>	3.36	
				<i>For >128 To 320, Add</i>	2.06	
				<i>For >1,536, Deduct</i>	-0.60	
09 29 82 00-0004	SF			2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	7.72	2.46
				Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.67	
				<i>For Horizontal Installation >10' High, Add</i>	2.46	
				<i>For Walls >10' High, Add</i>	0.39	
				<i>For Up To 128, Add</i>	2.53	
				<i>For >128 To 320, Add</i>	1.51	
				<i>For Glass Mat Surfaces, Add</i>	0.27	
09 29 82 00-0005	SF			4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	8.28	2.57
				Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.75	
				<i>For Horizontal Installation >10' High, Add</i>	2.58	
				<i>For Walls >10' High, Add</i>	0.41	
				<i>For Up To 128, Add</i>	2.69	
				<i>For >128 To 320, Add</i>	1.60	
				<i>For Glass Mat Surfaces, Add</i>	0.27	
09 29 82 00-0006	SF			2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	9.09	2.57
				Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.75	
				<i>For Horizontal Installation >10' High, Add</i>	2.58	
				<i>For Walls >10' High, Add</i>	0.41	
				<i>For Up To 128, Add</i>	2.85	
				<i>For >128 To 320, Add</i>	1.68	
				<i>For Glass Mat Surfaces, Add</i>	0.27	

09	09 Finishes
	09 20 Plaster and Gypsum Board
	09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0007	SF		4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	9.67	2.70
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Horizontal Installation Up To 10' High, Add	1.84	
			For Horizontal Installation >10' High, Add	2.71	
			For Walls >10' High, Add	0.43	
			For Up To 128, Add	3.02	
			For >128 To 320, Add	1.78	
			For Glass Mat Surfaces, Add	0.27	

09 30 Tiling (09)

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling (09 30 13)

09 30 13 00-0002	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	17.60	3.36
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	9.43	
			For >50 To 250, Add	1.34	
			For >1,000, Deduct	-0.67	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.63	
09 30 13 00-0003	SF		Less Than 8" x 8", Mounted, Ceramic Floor Tile	12.39	3.36
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	8.13	
			For >50 To 250, Add	1.34	
			For >1,000, Deduct	-0.67	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.46	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.63	
09 30 13 00-0004	SF		8" x 8" And Larger Unmounted Ceramic Floor Tile	14.06	2.09
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	9.80	
			For >50 To 250, Add	1.68	
			For >1,000, Deduct	-0.84	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
			For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.88	
09 30 13 00-0005	SF		2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	19.02	4.07
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
			For Up To 50, Add	10.85	
			For >50 To 250, Add	1.63	
			For >1,000, Deduct	-0.81	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.67	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.84	
09 30 13 00-0006	SF		Less than 8" x 8" Mounted Ceramic Wall Tile	13.81	4.07
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For Up To 50, Add	9.55	
			For >50 To 250, Add	1.63	
			For >1,000, Deduct	-0.81	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.67	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.84	
09 30 13 00-0007	SF		8" x 8" And Larger Unmounted Ceramic Wall Tile	15.97	2.57
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For Up To 50, Add	11.71	
			For >50 To 250, Add	2.06	
			For >1,000, Deduct	-1.03	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.99	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.16	
09 30 13 00-0008	SF		Less than 8" x 8" Mounted Ceramic Ceiling Tile	19.78	7.06
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			For High-Modulus, High-Strength Epoxy Grout, Add	2.57	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.74	
			For Up To 50, Add	15.52	
			For >50 To 250, Add	2.82	
			For >1,000, Deduct	-1.41	
09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceramic Ceiling Tile	22.61	4.23
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			For High-Modulus, High-Strength Epoxy Grout, Add	2.99	
			For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	3.16	
			For Up To 50, Add	18.35	
			For >50 To 250, Add	3.39	
			For >1,000, Deduct	-1.69	



Finishes	09	09
Tiling	09 30	
Ceramic Tiling	09 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0010 LF 4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.98 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.07	13.16	2.94
09 30 13 00-0011 LF 6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.98 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.07	21.40	2.94
09 30 13 00-0012 LF 6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.98 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.07	24.03	2.94
09 30 13 00-0013 EA 6" High, Unpolished Ceramic Cove Base Outer Corner.....	18.78	0.64
09 30 13 00-0014 Residential Ceramic Tiling (09 30 13)		
09 30 13 00-0015 SF Mounted Ceramic Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> 7.61 <i>For >50 To 250, Add</i> 1.34 <i>For >1,000, Deduct</i> -0.67 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.46	10.29	3.36
09 30 13 00-0016 SF Mounted Ceramic Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> 9.03 <i>For >50 To 250, Add</i> 1.63 <i>For >1,000, Deduct</i> -0.81 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.67	11.71	4.07
09 30 13 00-0017 SF 2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> 8.16 <i>For >50 To 250, Add</i> 1.34 <i>For >1,000, Deduct</i> -0.67 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.46	12.50	3.36
09 30 16 Quarry Tiling (09 30)		
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
09 30 16 00-0001 SF Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> 10.39 <i>For >50 To 250, Add</i> 1.88 <i>For >1,000, Deduct</i> -0.94 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.86 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.03	13.36	2.36
09 30 16 00-0002 SF Glazed Quarry Floor Tile <i>For Up To 50, Add</i> 13.52 <i>For >50 To 250, Add</i> 1.88 <i>For >1,000, Deduct</i> -0.94 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.86 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.03	25.87	2.36
09 30 16 00-0003 SF Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> 12.27 <i>For >50 To 250, Add</i> 2.26 <i>For >1,000, Deduct</i> -1.13 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 2.14 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.31	15.24	2.79
09 30 16 00-0004 SF Glazed Quarry Wall Tile..... <i>For Up To 50, Add</i> 15.40 <i>For >50 To 250, Add</i> 2.26 <i>For >1,000, Deduct</i> -1.13 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 2.14 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.31	27.75	2.79
09 30 16 00-0005 LF 6" High Unglazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 2.08 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.17	18.69	3.11
09 30 16 00-0006 LF 6" High Glazed Quarry Tile Cove Base Or Trim <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 2.08 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.17	39.20	3.11
09 30 33 Stone Tiling (09 30)		
Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
09 30 33 00-0001 Marble Floor Tile (09 30 33)		
09 30 33 00-0002 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom" <i>For Up To 50, Add</i> 9.35 <i>For >50 To 250, Add</i> 1.68 <i>For >1,000, Deduct</i> -0.84 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.71 <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> 1.00	12.25	2.09

09 Finishes

09 30 Tiling

09 30 33 Stone Tiling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0003	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown".....	12.61	2.09
			<i>For Up To 50, Add</i>	9.44	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0004	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray".....	12.80	2.09
			<i>For Up To 50, Add</i>	9.49	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0005	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe".....	12.89	2.09
			<i>For Up To 50, Add</i>	9.51	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0006	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black".....	12.94	2.09
			<i>For Up To 50, Add</i>	9.52	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0007	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed".....	13.02	2.09
			<i>For Up To 50, Add</i>	9.54	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0008	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula".....	13.22	2.09
			<i>For Up To 50, Add</i>	9.59	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0009	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green".....	14.47	2.09
			<i>For Up To 50, Add</i>	9.90	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0010	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light".....	14.61	2.09
			<i>For Up To 50, Add</i>	9.94	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0011	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream".....	14.88	2.09
			<i>For Up To 50, Add</i>	10.01	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0012	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic".....	15.17	2.09
			<i>For Up To 50, Add</i>	10.08	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0013	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara".....	15.37	2.09
			<i>For Up To 50, Add</i>	10.13	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0014	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx".....	16.06	2.09
			<i>For Up To 50, Add</i>	10.30	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0015	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest".....	17.36	2.09
			<i>For Up To 50, Add</i>	10.63	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0016	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato".....	17.45	2.09
			<i>For Up To 50, Add</i>	10.65	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	



Finishes	09	09
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0017 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White".....	18.41	2.09
For Up To 50, Add	10.89	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold".....	18.74	2.09
For Up To 50, Add	10.97	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0019 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo".....	18.88	2.09
For Up To 50, Add	11.01	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique".....	19.10	2.09
For Up To 50, Add	11.06	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	20.90	2.09
For Up To 50, Add	11.51	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona".....	21.92	2.09
For Up To 50, Add	11.77	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0023 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante".....	22.20	2.09
For Up To 50, Add	11.84	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0024 SF 12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light".....	22.34	2.09
For Up To 50, Add	11.87	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0025 Granite Floor Tile <small>(09 30 33)</small>		
09 30 33 00-0026 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray".....	11.28	2.09
For Up To 50, Add	9.11	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0027 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower".....	11.97	2.09
For Up To 50, Add	9.28	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0028 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow".....	12.53	2.09
For Up To 50, Add	9.42	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0029 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black".....	14.74	2.09
For Up To 50, Add	9.97	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0030 SF 12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown".....	15.17	2.09
For Up To 50, Add	10.08	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0031	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	15.57	2.09
			<i>For Up To 50, Add</i>	10.18	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0032	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	15.98	2.09
			<i>For Up To 50, Add</i>	10.28	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0033	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecilia"	16.48	2.09
			<i>For Up To 50, Add</i>	10.41	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0034	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	16.95	2.09
			<i>For Up To 50, Add</i>	10.52	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0035	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	17.45	2.09
			<i>For Up To 50, Add</i>	10.65	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0036	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	17.92	2.09
			<i>For Up To 50, Add</i>	10.77	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0037	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	18.47	2.09
			<i>For Up To 50, Add</i>	10.90	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0038	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	19.02	2.09
			<i>For Up To 50, Add</i>	11.04	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0039	SF		12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	20.96	2.09
			<i>For Up To 50, Add</i>	11.53	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0040			Slate Floor Tile <small>(09 30 33)</small>		
09 30 33 00-0041	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	10.45	2.09
			<i>For Up To 50, Add</i>	8.90	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0042	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	10.81	2.09
			<i>For Up To 50, Add</i>	8.99	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0043	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	11.01	2.09
			<i>For Up To 50, Add</i>	9.04	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0044	SF		12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	11.01	2.09
			<i>For Up To 50, Add</i>	9.04	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	



Finishes	09	09
Tiling	09 30	
Stone Tiling	09 30 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0045 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend".....	11.14	2.09
For Up To 50, Add	9.07	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0046 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow".....	11.56	2.09
For Up To 50, Add	9.18	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0047 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite".....	11.97	2.09
For Up To 50, Add	9.28	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0048 SF 12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite".....	12.11	2.09
For Up To 50, Add	9.31	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0049 Travertine Floor Tile (09 30 33)		
09 30 33 00-0050 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic".....	11.97	2.09
For Up To 50, Add	9.28	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0051 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut".....	12.39	2.09
For Up To 50, Add	9.38	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0052 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold".....	12.66	2.09
For Up To 50, Add	9.45	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0053 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory".....	13.08	2.09
For Up To 50, Add	9.56	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0054 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce".....	13.22	2.09
For Up To 50, Add	9.59	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0055 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique".....	13.36	2.09
For Up To 50, Add	9.63	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0056 SF 12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream".....	14.68	2.09
For Up To 50, Add	9.96	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0057 Limestone Floor Tile (09 30 33)		
09 30 33 00-0058 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold".....	14.60	2.09
For Up To 50, Add	9.94	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0059 SF 12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige".....	15.01	2.09
For Up To 50, Add	10.04	
For >50 To 250, Add	1.68	
For >1,000, Deduct	-0.84	
For High-Modulus, High-Strength Epoxy Grout, Add	1.71	
For Heavy Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes

09 30 Tiling

09 30 33 Stone Tiling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0060	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream".....	17.17	2.09
			<i>For Up To 50, Add</i>	10.58	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0061	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold".....	18.47	2.09
			<i>For Up To 50, Add</i>	10.90	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0062	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone".....	18.47	2.09
			<i>For Up To 50, Add</i>	10.90	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0063	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue".....	18.88	2.09
			<i>For Up To 50, Add</i>	11.01	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 33 00-0064	SF		12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray".....	20.40	2.09
			<i>For Up To 50, Add</i>	11.39	
			<i>For >50 To 250, Add</i>	1.68	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	1.71	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	

09 31 Thin-Set Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling (09 31)

09 31 13 00-0001 Thin-Set Ceramic Tiling (09 31 13)

09 31 13 00-0002	SF		Thin Set - Latex Portland Cement Mortar	1.93	1.12
			<i>For Up To 50, Add</i>	1.74	
			<i>For >50 To 250, Add</i>	0.34	
			<i>For >1,000, Deduct</i>	-0.17	
09 31 13 00-0003	SF		Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	1.08	
			<i>For Up To 50, Add</i>	1.08	
			<i>For >50 To 250, Add</i>	0.22	
			<i>For >1,000, Deduct</i>	-0.11	

09 32 Mortar-Bed Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling (09 32)

09 32 13 00-0001 Mortar-Bed Ceramic Tiling (09 32 13)

09 32 13 00-0002	SF		3/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.99	2.23
			Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	3.77	
			<i>For >50 To 250, Add</i>	0.67	
			<i>For >1,000, Deduct</i>	-0.34	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0003	SF		1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	6.95	2.99
			Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	5.09	
			<i>For >50 To 250, Add</i>	0.89	
			<i>For >1,000, Deduct</i>	-0.45	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0004	SF		3/4" Portland Cement Plaster Scratch Coat for Walls	15.71	6.71
			Note: Includes 15 LB felt and expanded metal lath.		
			<i>For Up To 50, Add</i>	14.00	
			<i>For >50 To 250, Add</i>	2.69	
			<i>For >1,000, Deduct</i>	-1.34	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
			<i>For Installation Without Felt And Metal Lath, Deduct</i>	-2.31	

09 34 Waterproofing-Membrane Tiling (09 30)

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds (09 34)

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.



Finishes	09	09
Tiling	09 30	
Waterproofing-Membrane Tiling	09 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0003 EA 48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,434.77	
09 34 00 00-0004 EA 32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,659.29	
09 34 00 00-0005 EA 72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	2,452.46	
09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001)		
Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007 EA 15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	174.19	
09 34 00 00-0008 EA 4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122).....	165.81	
09 34 00 00-0009 Prefabricated Polystyrene Shower Benches (09 34 00 00-0001)		
Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010 EA 16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	353.71	
09 34 00 00-0011 EA 32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	708.42	
09 34 00 00-0012 EA 48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	873.95	
09 34 00 00-0013 EA 32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	637.48	
09 34 00 00-0014 EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	708.42	
09 34 00 00-0015 EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	755.71	
09 34 00 00-0016 Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)		
Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017 EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	304.25	
09 34 00 00-0018 EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	304.25	
09 34 00 00-0019 EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	469.78	
09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)		
09 34 00 00-0021 SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	5.33	
09 34 00 00-0022 SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	6.15	
09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)		
09 34 00 00-0024 SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	4.69	
09 35 Chemical-Resistant Tiling (09 30)		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 35 13 Chemical-Resistant Ceramic Tiling (09 35)		
09 35 13 00-0001 Chemical-Resistant Ceramic Tiling (09 35 13)		
09 35 13 00-0002 SF Thin Set - Epoxy Mortar.....	6.19	1.47
Note: Impact and chemical resistant.		
For Up To 50, Add	3.23	
For >50 To 250, Add	0.45	
For >1,000, Deduct	-0.22	
09 39 Tiling Transitions (09 30)		
09 39 00 00-0001 Tile Waterproofing And Crack Prevention (09 39)		
09 39 00 00-0002 CSF 30 Mil Waterproofing And Crack Prevention Membrane; RedGard.....	127.31	
09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) (09 39)		
09 39 00 00-0004 LF 5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND).....	5.83	
09 39 00 00-0005 LF 10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX).....	12.13	
09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile (09 39)		
09 39 00 00-0007 LF 5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-AHK).....	7.96	
09 39 00 00-0008 LF 3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-AHK).....	7.94	
09 39 00 00-0009 LF 1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-AHK).....	8.23	
09 39 00 00-0010 LF 5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-PHK).....	7.57	
09 39 00 00-0011 LF 3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-PHK).....	7.87	
09 39 00 00-0012 Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile (09 39)		
09 39 00 00-0013 LF 9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-EHK).....	16.30	
09 39 00 00-0014 LF 11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-EHK).....	16.76	
09 39 00 00-0015 LF 7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dillex-EHK).....	17.27	

09	09 Finishes
	09 30 Tiling
	09 39 Tiling Transitions



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 39 00 00-0016	Tile Substrate (Schluter® KERDI BOARD) <small>(09 39)</small>		
09 39 00 00-0017	SF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.59	0.90
09 39 00 00-0018	SF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	10.79	1.02

09 39 00 00-0019	Floor Edge Protection And Transition Profiles For Tile <small>(09 39)</small>		
09 39 00 00-0020	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.20	
09 39 00 00-0021	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.32	
09 39 00 00-0022	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.45	
09 39 00 00-0023	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.67	
09 39 00 00-0024	LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.54	
09 39 00 00-0025	LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.71	
09 39 00 00-0026	LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.84	
09 39 00 00-0027	LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.97	
09 39 00 00-0028	LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	4.40	
09 39 00 00-0029	LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	5.97	
09 39 00 00-0030	LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.57	
09 39 00 00-0031	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.85	
09 39 00 00-0032	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.13	
09 39 00 00-0033	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	7.39	
09 39 00 00-0034	LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.75	
09 39 00 00-0035	LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	6.04	
09 39 00 00-0036	LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	7.30	

09 39 00 00-0037	Outside Wall Edge Protection And Transition Profiles For Tile <small>(09 39)</small>		
09 39 00 00-0038	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	5.73	
09 39 00 00-0039	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	6.02	
09 39 00 00-0040	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	6.46	
09 39 00 00-0041	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	6.90	
09 39 00 00-0042	LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	6.32	
09 39 00 00-0043	LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	6.88	
09 39 00 00-0044	LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	7.44	
09 39 00 00-0045	LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	8.42	

09 50 Ceilings (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels (09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels (09 51 13 00-0001)

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF 2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.15	0.51
	<i>For Up To 50, Add</i>	1.88	
	<i>For >50 To 200, Add</i>	1.15	
	<i>For >200 To 500, Add</i>	0.49	
	<i>For >2,500 To 4,000, Deduct</i>	-0.20	
	<i>For >4,000 To 5,000, Deduct</i>	-0.41	
	<i>For >5,000, Deduct</i>	-0.65	
	<i>For Individual Room Quantities <495, Add</i>	1.15	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0004	SF 2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.10	0.51
	<i>For Up To 50, Add</i>	1.88	
	<i>For >50 To 200, Add</i>	1.14	
	<i>For >200 To 500, Add</i>	0.49	
	<i>For >2,500 To 4,000, Deduct</i>	-0.20	
	<i>For >4,000 To 5,000, Deduct</i>	-0.41	
	<i>For >5,000, Deduct</i>	-0.65	
	<i>For Individual Room Quantities <495, Add</i>	1.14	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0005	SF 2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.63	0.64
	<i>For Up To 50, Add</i>	2.01	
	<i>For >50 To 200, Add</i>	1.22	
	<i>For >200 To 500, Add</i>	0.52	
	<i>For >2,500 To 4,000, Deduct</i>	-0.22	
	<i>For >4,000 To 5,000, Deduct</i>	-0.43	
	<i>For >5,000, Deduct</i>	-0.69	
	<i>For Individual Room Quantities <495, Add</i>	1.22	
	<i>Note: For use with projects >500 SF</i>		
	<i>For Ceilings >10' High, Add</i>	0.13	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0006 SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	8.72	0.64
For Up To 50, Add	2.02	
For >50 To 200, Add	1.23	
For >200 To 500, Add	0.53	
For >2,500 To 4,000, Deduct	-0.22	
For >4,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.70	
For Individual Room Quantities <495, Add	1.23	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0007 SF 2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	8.95	0.64
For Up To 50, Add	2.06	
For >50 To 200, Add	1.25	
For >200 To 500, Add	0.54	
For >2,500 To 4,000, Deduct	-0.22	
For >4,000 To 5,000, Deduct	-0.45	
For >5,000, Deduct	-0.72	
For Individual Room Quantities <495, Add	1.25	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0008 SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	8.94	0.64
For Up To 50, Add	2.06	
For >50 To 200, Add	1.25	
For >200 To 500, Add	0.54	
For >2,500 To 4,000, Deduct	-0.22	
For >4,000 To 5,000, Deduct	-0.45	
For >5,000, Deduct	-0.72	
For Individual Room Quantities <495, Add	1.25	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0009 SF 2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	9.31	0.64
For Up To 50, Add	2.11	
For >50 To 200, Add	1.29	
For >200 To 500, Add	0.56	
For >2,500 To 4,000, Deduct	-0.23	
For >4,000 To 5,000, Deduct	-0.47	
For >5,000, Deduct	-0.74	
For Individual Room Quantities <495, Add	1.29	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0010 SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	9.30	0.64
For Up To 50, Add	2.11	
For >50 To 200, Add	1.29	
For >200 To 500, Add	0.55	
For >2,500 To 4,000, Deduct	-0.23	
For >4,000 To 5,000, Deduct	-0.47	
For >5,000, Deduct	-0.74	
For Individual Room Quantities <495, Add	1.29	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.13	
09 51 13 00-0011 Mineral Fiber Panels (09 51 13)		
09 51 13 00-0012 Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0011)		
Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.80	0.51
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0014 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	2.78	0.77
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.06	0.51
			<i>For Up To 50, Add</i>	1.12	
			<i>For >50 To 200, Add</i>	0.64	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.64	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.06	0.51
			<i>For Up To 50, Add</i>	1.12	
			<i>For >50 To 200, Add</i>	0.64	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.64	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0017	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.27	0.77
			<i>For Up To 50, Add</i>	1.15	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0018	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.28	0.77
			<i>For Up To 50, Add</i>	1.15	
			<i>For >50 To 200, Add</i>	0.66	
			<i>For >200 To 500, Add</i>	0.25	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000, Deduct</i>	-0.29	
			<i>For Individual Room Quantities <495, Add</i>	0.66	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0019	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.55	0.77
			<i>For Up To 50, Add</i>	1.19	
			<i>For >50 To 200, Add</i>	0.69	
			<i>For >200 To 500, Add</i>	0.26	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.18	
			<i>For >5,000, Deduct</i>	-0.31	
			<i>For Individual Room Quantities <495, Add</i>	0.69	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0020	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.04	0.51
			<i>For Up To 50, Add</i>	1.12	
			<i>For >50 To 200, Add</i>	0.63	
			<i>For >200 To 500, Add</i>	0.23	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.63	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0021	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.03	0.77
			<i>For Up To 50, Add</i>	1.11	
			<i>For >50 To 200, Add</i>	0.63	
			<i>For >200 To 500, Add</i>	0.23	
			<i>For >2,500 To 4,000, Deduct</i>	-0.08	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.27	
			<i>For Individual Room Quantities <495, Add</i>	0.63	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0022 SF 2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.45	0.51
For Up To 50, Add	1.18	
For >50 To 200, Add	0.68	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.30	
For Individual Room Quantities <495, Add	0.68	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0023 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.80	0.51
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0024 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.78	0.51
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0025 SF 2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.06	0.51
For Up To 50, Add	1.12	
For >50 To 200, Add	0.64	
For >200 To 500, Add	0.24	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.27	
For Individual Room Quantities <495, Add	0.64	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0026 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.82	0.51
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0027 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.81	0.51
For Up To 50, Add	1.08	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.25	
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0028 SF 2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.20	0.51
For Up To 50, Add	1.14	
For >50 To 200, Add	0.65	
For >200 To 500, Add	0.24	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.28	
For Individual Room Quantities <495, Add	0.65	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0029	SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.20	0.51
	For Up To 50, Add	1.14	
	For >50 To 200, Add	0.65	
	For >200 To 500, Add	0.24	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.16	
	For >5,000, Deduct	-0.28	
	For Individual Room Quantities <495, Add	0.65	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0030	SF 2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.35	0.51
	For Up To 50, Add	1.16	
	For >50 To 200, Add	0.67	
	For >200 To 500, Add	0.25	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.17	
	For >5,000, Deduct	-0.29	
	For Individual Room Quantities <495, Add	0.67	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0031	SF 2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.90	0.51
	For Up To 50, Add	1.25	
	For >50 To 200, Add	0.72	
	For >200 To 500, Add	0.28	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.20	
	For >5,000, Deduct	-0.33	
	For Individual Room Quantities <495, Add	0.72	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0032	SF 2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.27	0.51
	For Up To 50, Add	1.15	
	For >50 To 200, Add	0.66	
	For >200 To 500, Add	0.25	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.16	
	For >5,000, Deduct	-0.29	
	For Individual Room Quantities <495, Add	0.66	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0033	SF 2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.92	0.51
	For Up To 50, Add	1.25	
	For >50 To 200, Add	0.72	
	For >200 To 500, Add	0.28	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.20	
	For >5,000, Deduct	-0.34	
	For Individual Room Quantities <495, Add	0.72	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0034	SF 30" x 60" x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.08	0.51
	For Up To 50, Add	1.12	
	For >50 To 200, Add	0.64	
	For >200 To 500, Add	0.24	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.15	
	For >5,000, Deduct	-0.27	
	For Individual Room Quantities <495, Add	0.64	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0035	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard).....	3.35	0.77
	For Up To 50, Add	1.16	
	For >50 To 200, Add	0.67	
	For >200 To 500, Add	0.25	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.17	
	For >5,000, Deduct	-0.29	
	For Individual Room Quantities <495, Add	0.67	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0036 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.29	0.77
For Up To 50, Add	1.15	
For >50 To 200, Add	0.66	
For >200 To 500, Add	0.25	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.16	
For >5,000, Deduct	-0.29	
For Individual Room Quantities <495, Add	0.66	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0037 SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.68	0.77
For Up To 50, Add	1.21	
For >50 To 200, Add	0.70	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.32	
For Individual Room Quantities <495, Add	0.70	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0038 SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.68	0.77
For Up To 50, Add	1.21	
For >50 To 200, Add	0.70	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.32	
For Individual Room Quantities <495, Add	0.70	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0039 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured).....	8.47	0.90
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0040 SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.52	0.51
For Up To 50, Add	1.19	
For >50 To 200, Add	0.68	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.31	
For Individual Room Quantities <495, Add	0.68	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0041 SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.51	0.51
For Up To 50, Add	1.19	
For >50 To 200, Add	0.68	
For >200 To 500, Add	0.26	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.30	
For Individual Room Quantities <495, Add	0.68	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0042 SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	4.08	0.51
For Up To 50, Add	1.27	
For >50 To 200, Add	0.74	
For >200 To 500, Add	0.29	
For >2,500 To 4,000, Deduct	-0.10	
For >4,000 To 5,000, Deduct	-0.20	
For >5,000, Deduct	-0.35	
For Individual Room Quantities <495, Add	0.74	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0043 SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.75	0.51
For Up To 50, Add	1.22	
For >50 To 200, Add	0.71	
For >200 To 500, Add	0.27	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.19	
For >5,000, Deduct	-0.32	
For Individual Room Quantities <495, Add	0.71	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0044	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.70	0.51
	For Up To 50, Add	1.22	
	For >50 To 200, Add	0.70	
	For >200 To 500, Add	0.27	
	For >2,500 To 4,000, Deduct	-0.09	
	For >4,000 To 5,000, Deduct	-0.19	
	For >5,000, Deduct	-0.32	
	For Individual Room Quantities <495, Add	0.70	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0045	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.70	0.51
	For Up To 50, Add	1.22	
	For >50 To 200, Add	0.70	
	For >200 To 500, Add	0.27	
	For >2,500 To 4,000, Deduct	-0.09	
	For >4,000 To 5,000, Deduct	-0.19	
	For >5,000, Deduct	-0.32	
	For Individual Room Quantities <495, Add	0.70	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0046	SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.88	0.51
	For Up To 50, Add	1.24	
	For >50 To 200, Add	0.72	
	For >200 To 500, Add	0.28	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.19	
	For >5,000, Deduct	-0.33	
	For Individual Room Quantities <495, Add	0.72	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0047	SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.02	0.51
	For Up To 50, Add	1.26	
	For >50 To 200, Add	0.73	
	For >200 To 500, Add	0.28	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.20	
	For >5,000, Deduct	-0.34	
	For Individual Room Quantities <495, Add	0.73	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0048	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.23	0.51
	For Up To 50, Add	1.29	
	For >50 To 200, Add	0.75	
	For >200 To 500, Add	0.29	
	For >2,500 To 4,000, Deduct	-0.11	
	For >4,000 To 5,000, Deduct	-0.21	
	For >5,000, Deduct	-0.36	
	For Individual Room Quantities <495, Add	0.75	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0049	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.20	0.51
	For Up To 50, Add	1.29	
	For >50 To 200, Add	0.75	
	For >200 To 500, Add	0.29	
	For >2,500 To 4,000, Deduct	-0.11	
	For >4,000 To 5,000, Deduct	-0.21	
	For >5,000, Deduct	-0.36	
	For Individual Room Quantities <495, Add	0.75	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	
09 51 13 00-0050	SF 2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa).....	4.09	0.77
	For Up To 50, Add	1.27	
	For >50 To 200, Add	0.74	
	For >200 To 500, Add	0.29	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.20	
	For >5,000, Deduct	-0.35	
	For Individual Room Quantities <495, Add	0.74	
	Note: For use with projects >500 SF		
	For Vertical Application, Add	0.74	
	For Ceilings >10' High, Add	0.12	



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51	13 00-0051	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.08	0.77
			For Up To 50, Add	1.27	
			For >50 To 200, Add	0.74	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.74	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0052	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.40	0.51
			For Up To 50, Add	1.32	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.37	
			For Individual Room Quantities <495, Add	0.77	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0053	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.31	0.51
			For Up To 50, Add	1.31	
			For >50 To 200, Add	0.76	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.36	
			For Individual Room Quantities <495, Add	0.76	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0054	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.23	0.77
			For Up To 50, Add	1.44	
			For >50 To 200, Add	0.85	
			For >200 To 500, Add	0.34	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.26	
			For >5,000, Deduct	-0.43	
			For Individual Room Quantities <495, Add	0.85	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0055	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.19	0.77
			For Up To 50, Add	1.44	
			For >50 To 200, Add	0.85	
			For >200 To 500, Add	0.34	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.26	
			For >5,000, Deduct	-0.43	
			For Individual Room Quantities <495, Add	0.85	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0056	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.23	0.77
			For Up To 50, Add	1.44	
			For >50 To 200, Add	0.85	
			For >200 To 500, Add	0.34	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.26	
			For >5,000, Deduct	-0.43	
			For Individual Room Quantities <495, Add	0.85	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51	13 00-0057	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.19	0.77
			For Up To 50, Add	1.44	
			For >50 To 200, Add	0.85	
			For >200 To 500, Add	0.34	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.26	
			For >5,000, Deduct	-0.43	
			For Individual Room Quantities <495, Add	0.85	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0058	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look).....		5.71	0.51
		For Up To 50, Add		1.52	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.29	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0059	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		5.67	0.77
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0060	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		5.66	0.77
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		6.10	0.51
		For Up To 50, Add		1.58	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....		6.10	0.51
		For Up To 50, Add		1.58	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.39	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.50	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0063	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....		5.69	0.51
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	
09 51 13 00-0064	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....		5.69	0.51
		For Up To 50, Add		1.51	
		For >50 To 200, Add		0.90	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.90	
		Note: For use with projects >500 SF			
		For Vertical Application, Add		0.74	
		For Ceilings >10' High, Add		0.12	



		Finishes	09
		Ceilings	09 50
		Acoustical Ceilings	09 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0065	SF		2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	5.69	0.51
			<i>For Up To 50, Add</i>	1.51	
			<i>For >50 To 200, Add</i>	0.90	
			<i>For >200 To 500, Add</i>	0.37	
			<i>For >2,500 To 4,000, Deduct</i>	-0.14	
			<i>For >4,000 To 5,000, Deduct</i>	-0.28	
			<i>For >5,000, Deduct</i>	-0.47	
			<i>For Individual Room Quantities <495, Add</i>	0.90	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0066	SF		2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	5.69	0.51
			<i>For Up To 50, Add</i>	1.51	
			<i>For >50 To 200, Add</i>	0.90	
			<i>For >200 To 500, Add</i>	0.37	
			<i>For >2,500 To 4,000, Deduct</i>	-0.14	
			<i>For >4,000 To 5,000, Deduct</i>	-0.28	
			<i>For >5,000, Deduct</i>	-0.47	
			<i>For Individual Room Quantities <495, Add</i>	0.90	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	
09 51 13 00-0067	SF		2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.13	0.64
			<i>For Up To 50, Add</i>	1.64	
			<i>For >50 To 200, Add</i>	0.97	
			<i>For >200 To 500, Add</i>	0.40	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.50	
			<i>For Individual Room Quantities <495, Add</i>	0.97	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.81	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0068	SF		2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.13	0.64
			<i>For Up To 50, Add</i>	1.64	
			<i>For >50 To 200, Add</i>	0.97	
			<i>For >200 To 500, Add</i>	0.40	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.50	
			<i>For Individual Room Quantities <495, Add</i>	0.97	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.81	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0069	SF		2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.13	0.64
			<i>For Up To 50, Add</i>	1.64	
			<i>For >50 To 200, Add</i>	0.97	
			<i>For >200 To 500, Add</i>	0.40	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.50	
			<i>For Individual Room Quantities <495, Add</i>	0.97	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.81	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0070	SF		2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.13	0.64
			<i>For Up To 50, Add</i>	1.64	
			<i>For >50 To 200, Add</i>	0.97	
			<i>For >200 To 500, Add</i>	0.40	
			<i>For >2,500 To 4,000, Deduct</i>	-0.15	
			<i>For >4,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.50	
			<i>For Individual Room Quantities <495, Add</i>	0.97	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.81	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0071	SF		2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....	6.39	0.51
			<i>For Up To 50, Add</i>	1.62	
			<i>For >50 To 200, Add</i>	0.97	
			<i>For >200 To 500, Add</i>	0.40	
			<i>For >2,500 To 4,000, Deduct</i>	-0.16	
			<i>For >4,000 To 5,000, Deduct</i>	-0.32	
			<i>For >5,000, Deduct</i>	-0.52	
			<i>For Individual Room Quantities <495, Add</i>	0.97	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Vertical Application, Add</i>	0.74	
			<i>For Ceilings >10' High, Add</i>	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0072	SF		2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....	6.39	0.51
			For Up To 50, Add	1.62	
			For >50 To 200, Add	0.97	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.32	
			For >5,000, Deduct	-0.52	
			For Individual Room Quantities <495, Add	0.97	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0073	SF		2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....	6.39	0.51
			For Up To 50, Add	1.62	
			For >50 To 200, Add	0.97	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.16	
			For >4,000 To 5,000, Deduct	-0.32	
			For >5,000, Deduct	-0.52	
			For Individual Room Quantities <495, Add	0.97	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0074	SF		2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....	7.25	0.51
			For Up To 50, Add	1.80	
			For >50 To 200, Add	1.08	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.59	
			For Individual Room Quantities <495, Add	1.08	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.81	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0075	SF		2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....	7.15	0.51
			For Up To 50, Add	1.79	
			For >50 To 200, Add	1.07	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.58	
			For Individual Room Quantities <495, Add	1.07	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.81	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0076	SF		2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....	7.20	0.51
			For Up To 50, Add	1.80	
			For >50 To 200, Add	1.08	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.18	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.58	
			For Individual Room Quantities <495, Add	1.08	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.81	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0077	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....	6.73	0.51
			For Up To 50, Add	1.67	
			For >50 To 200, Add	1.00	
			For >200 To 500, Add	0.42	
			For >2,500 To 4,000, Deduct	-0.17	
			For >4,000 To 5,000, Deduct	-0.34	
			For >5,000, Deduct	-0.55	
			For Individual Room Quantities <495, Add	1.00	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0078	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....	6.61	0.51
			For Up To 50, Add	1.65	
			For >50 To 200, Add	0.99	
			For >200 To 500, Add	0.41	
			For >2,500 To 4,000, Deduct	-0.17	
			For >4,000 To 5,000, Deduct	-0.33	
			For >5,000, Deduct	-0.54	
			For Individual Room Quantities <495, Add	0.99	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.74	
			For Ceilings >10' High, Add	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0079 SF 2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.32	0.64
For Up To 50, Add	1.81	
For >50 To 200, Add	1.09	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.59	
For Individual Room Quantities <495, Add	1.09	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.81	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0080 SF 2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	7.32	0.64
For Up To 50, Add	1.81	
For >50 To 200, Add	1.09	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.59	
For Individual Room Quantities <495, Add	1.09	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.81	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0081 SF 2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.32	0.51
For Up To 50, Add	1.81	
For >50 To 200, Add	1.09	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.59	
For Individual Room Quantities <495, Add	1.09	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.81	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0082 SF 2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.32	0.64
For Up To 50, Add	1.81	
For >50 To 200, Add	1.09	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.18	
For >4,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.59	
For Individual Room Quantities <495, Add	1.09	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.81	
For Ceilings >10' High, Add	0.13	
09 51 13 00-0083 SF 20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617).....	2.73	0.51
For Individual Room Quantities <495, Add	0.60	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0084 SF 20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627).....	2.81	0.51
For Individual Room Quantities <495, Add	0.61	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0085 SF 2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742).....	4.11	0.51
For Individual Room Quantities <495, Add	0.74	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.74	
For Ceilings >10' High, Add	0.12	
09 51 13 00-0086 Wood Fiber Panels (09 51 13)		
09 51 13 00-0087 SF 2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	6.86	0.77
For Up To 50, Add	1.94	
For >50 To 200, Add	1.14	
For >200 To 500, Add	0.46	
For >2,500 To 4,000, Deduct	-0.17	
For >4,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.57	
For Individual Room Quantities <495, Add	1.14	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.17	
09 51 13 00-0088 SF 2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	6.62	0.77
For Up To 50, Add	1.81	
For >50 To 200, Add	1.07	
For >200 To 500, Add	0.43	
For >2,500 To 4,000, Deduct	-0.17	
For >4,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.55	
For Individual Room Quantities <495, Add	1.07	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.15	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0089	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.90	0.77
			For Up To 50, Add	2.25	
			For >50 To 200, Add	1.35	
			For >200 To 500, Add	0.56	
			For >2,500 To 4,000, Deduct	-0.22	
			For >4,000 To 5,000, Deduct	-0.45	
			For >5,000, Deduct	-0.72	
			For Individual Room Quantities <495, Add	1.35	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.17	
09 51 13 00-0090	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.66	0.77
			For Up To 50, Add	2.12	
			For >50 To 200, Add	1.27	
			For >200 To 500, Add	0.54	
			For >2,500 To 4,000, Deduct	-0.22	
			For >4,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.70	
			For Individual Room Quantities <495, Add	1.27	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0091	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	10.87	0.77
			For Up To 50, Add	2.54	
			For >50 To 200, Add	1.54	
			For >200 To 500, Add	0.66	
			For >2,500 To 4,000, Deduct	-0.27	
			For >4,000 To 5,000, Deduct	-0.54	
			For >5,000, Deduct	-0.87	
			For Individual Room Quantities <495, Add	1.54	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.17	
09 51 13 00-0092	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	10.63	0.77
			For Up To 50, Add	2.41	
			For >50 To 200, Add	1.47	
			For >200 To 500, Add	0.63	
			For >2,500 To 4,000, Deduct	-0.27	
			For >4,000 To 5,000, Deduct	-0.53	
			For >5,000, Deduct	-0.85	
			For Individual Room Quantities <495, Add	1.47	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0093	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	8.05	0.77
			For Up To 50, Add	2.12	
			For >50 To 200, Add	1.26	
			For >200 To 500, Add	0.52	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.40	
			For >5,000, Deduct	-0.66	
			For Individual Room Quantities <495, Add	1.26	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.17	
09 51 13 00-0094	SF		2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	7.81	0.77
			For Up To 50, Add	1.99	
			For >50 To 200, Add	1.19	
			For >200 To 500, Add	0.49	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.39	
			For >5,000, Deduct	-0.64	
			For Individual Room Quantities <495, Add	1.19	
			Note: For use with projects >500 SF		
			For Ceilings >10' High, Add	0.15	
09 51 13 00-0095			Removal And Reinstallation Of Acoustical Ceiling Panels <small>(09 51 13)</small>		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0096	SF		Removal And Reinstallation Of Acoustical Panels Only	2.61	
			For Up To 50, Add	1.44	
			For >50 To 200, Add	0.78	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.26	
			For Ceilings >10' High, Add	0.20	
09 51 23			Acoustical Tile Ceilings <small>(09 51)</small>		
			Note: Includes fastening with staples and/or adhesive.		
09 51 23 00-0001			Mineral Fiber Acoustical Tile Ceilings <small>(09 51 23)</small>		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	6.42	1.40
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.24	
			For >50 To 200, Add	1.28	
			For >200 To 500, Add	0.48	
			For >2,500, Deduct	-0.32	
			For Ceilings >10' High, Add	0.24	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0003 SF 12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,500, Deduct</i> <i>For Placing Tiles In Suspended Ceiling System, Deduct</i> <i>For Ceilings >10' High, Add</i>	7.62 0.50 2.42 1.40 0.54 -0.38 -0.52 0.24	1.40
09 51 23 00-0004 SF 12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,500, Deduct</i> <i>For Placing Tiles In Suspended Ceiling System, Deduct</i> <i>For Ceilings >10' High, Add</i>	8.59 0.50 2.56 1.50 0.59 -0.43 -0.52 0.24	1.40
09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006 SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 200, Add</i> <i>For >200 To 500, Add</i> <i>For >2,500, Deduct</i> <i>For Ceilings >10' High, Add</i>	5.91 0.50 2.16 1.23 0.46 -0.30 0.24	1.40
09 51 33 Acoustical Metal Pan Ceilings (09 51)		
09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)		
09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0002 SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	23.42	1.12
09 51 33 13-0003 SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	25.06	1.12
09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)		
09 51 33 13-0005 SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.45	1.27
09 51 33 13-0006 SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.63	1.27
09 51 33 13-0007 SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	58.02	1.27
09 51 33 13-0008 SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.26	1.27
09 51 33 13-0009 SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.43	1.27
09 51 33 13-0010 SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.87	1.27
09 51 33 13-0011 SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	57.59	1.27
09 51 33 13-0012 SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.04	1.27
09 51 33 13-0013 SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.76	1.27
09 51 33 13-0014 SF 30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.27	1.27
09 51 33 13-0015 SF 30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	64.00	1.27
09 51 33 13-0016 SF 30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.94	1.27
09 51 33 13-0017 SF 30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.17	1.27
09 51 33 13-0018 SF 30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.03	1.27
09 51 33 13-0019 SF 30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	66.18	1.27
09 51 33 13-0020 SF 30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.70	1.27
09 51 33 13-0021 SF 12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	21.48	1.27
09 51 33 13-0022 SF 12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	35.18	1.27
09 51 33 13-0023 SF 12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	62.59	1.27
09 51 33 13-0024 SF 12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.18	1.27
09 51 33 13-0025 SF 12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.11	1.27
09 51 33 13-0026 SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	35.62	1.27

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33	13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	64.87	1.27
09 51 33	13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.16	1.27
09 51 33	13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.99	1.27
09 51 33	13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.13	1.27
09 51 33	13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	54.41	1.27
09 51 33	13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.83	1.27
09 51 33	13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.08	1.27
09 51 33	13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.91	1.27
09 51 33	13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	54.52	1.27
09 51 33	13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.83	1.27

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)****09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23	0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.24	0.96
09 51 33 23	0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.68	0.96
09 51 33 23	0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	30.47	0.96
09 51 33 23	0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.85	0.96
09 51 33 23	0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.75	0.96
09 51 33 23	0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	43.80	0.96
09 51 33 23	0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.33	0.96
09 51 33 23	0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	33.94	0.96
09 51 33 23	0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.48	0.96
09 51 33 23	0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.14	0.96
09 51 33 23	0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.62	0.96
09 51 33 23	0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.01	0.96
09 51 33 23	0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.62	0.96
09 51 33 23	0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.28	0.96

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23	0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	23.59	0.96
09 51 33 23	0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.16	0.96
09 51 33 23	0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.22	0.96
09 51 33 23	0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.37	0.96
09 51 33 23	0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.13	0.96
09 51 33 23	0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.87	0.96

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)****09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)**

09 51 33 33	0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.17	0.96
09 51 33 33	0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.34	0.96
09 51 33 33	0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.39	0.96
09 51 33 33	0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.56	0.96
09 51 33 33	0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.17	0.96
09 51 33 33	0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.90	0.96

09 53 Acoustical Ceiling Suspension Assemblies (09 50)**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)**



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0001 Ceiling Suspension Systems <small>(09 53 23)</small>		
<p>Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.</p>		
09 53 23 00-0002 SF 1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	5.13	0.64
<p>Note: Excludes ceiling tile.</p>		
For Fastening To Concrete, Add	1.55	
For Fastening To Steel, Add	1.67	
For Vertical Application, Add	2.42	
For Individual Room Quantities <495, Add	0.53	
<p>Note: For use with projects >500 SF</p>		
For Up To 50, Add	1.87	
For >50 To 200, Add	1.07	
For >200 To 500, Add	0.39	
For >2,500 To 4,000, Deduct	-0.12	
For >4,000 To 5,000, Deduct	-0.21	
For >5,000, Deduct	-0.30	
For Ceilings >10' High, Add	0.21	
09 53 23 00-0003 SF 1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	4.14	0.64
For UL Listed (Fire Guard), Add	0.27	
For 1-1/2" Wide Faced Grid, Add	0.51	
For Fastening To Concrete, Add	1.50	
For Fastening To Steel, Add	1.62	
For Vertical Application, Add	2.03	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.44	
<p>Note: For use with projects >500 SF</p>		
For Aluminum T-Bar System, Add	0.82	
For Up To 50, Add	1.55	
For >50 To 200, Add	0.88	
For >200 To 500, Add	0.32	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.17	
For >5,000, Deduct	-0.25	
For Ceilings >10' High, Add	0.17	
09 53 23 00-0004 SF 2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.46	0.64
For UL Listed (Fire Guard), Add	0.20	
For 1-1/2" Wide Faced Grid, Add	0.37	
For Fastening To Concrete, Add	1.48	
For Fastening To Steel, Add	1.60	
For Vertical Application, Add	1.86	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.39	
<p>Note: For use with projects >500 SF</p>		
For Aluminum T-Bar System, Add	0.60	
For Up To 50, Add	1.37	
For >50 To 200, Add	0.77	
For >200 To 500, Add	0.28	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.21	
For Black Grid, Add	0.17	
For Ceilings >10' High, Add	0.16	
For Concealed Spline Grid, Add	0.55	
09 53 23 00-0005 SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.87	0.64
For UL Listed (Fire Guard), Add	0.16	
For 1-1/2" Wide Faced Grid, Add	0.30	
For Fastening To Concrete, Add	1.45	
For Fastening To Steel, Add	1.57	
For Vertical Application, Add	1.79	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For Individual Room Quantities <495, Add	0.32	
<p>Note: For use with projects >500 SF</p>		
For Aluminum T-Bar System, Add	0.49	
For Up To 50, Add	1.15	
For >50 To 200, Add	0.65	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.18	
For Black Grid, Add	0.14	
For Ceilings >10' High, Add	0.13	
For Concealed Spline Grid, Add	0.45	

09 Finishes
09 50 Ceilings
09 53 Acoustical Ceiling Suspension Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0006	SF		1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.52	0.64
			<i>For UL Listed (Fire Guard), Add</i>	0.15	
			<i>For 1-1/2" Wide Faced Grid, Add</i>	0.28	
			<i>For Fastening To Concrete, Add</i>	1.42	
			<i>For Fastening To Steel, Add</i>	1.54	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities <495, Add</i>	0.28	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Aluminum T-Bar System, Add</i>	0.45	
			<i>For Up To 50, Add</i>	0.99	
			<i>For >50 To 200, Add</i>	0.56	
			<i>For >200 To 500, Add</i>	0.20	
			<i>For >2,500 To 4,000, Deduct</i>	-0.06	
			<i>For >4,000 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Ceilings >10' High, Add</i>	0.11	
09 53 23 00-0007	SF		2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.74	0.64
			<i>For UL Listed (Fire Guard), Add</i>	0.24	
			<i>For Fastening To Concrete, Add</i>	1.48	
			<i>For Fastening To Steel, Add</i>	1.60	
			<i>For Vertical Application, Add</i>	1.86	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities <495, Add</i>	0.40	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Up To 50, Add</i>	1.41	
			<i>For >50 To 200, Add</i>	0.80	
			<i>For >200 To 500, Add</i>	0.29	
			<i>For >2,500 To 4,000, Deduct</i>	-0.09	
			<i>For >4,000 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000, Deduct</i>	-0.22	
			<i>For Black Grid, Add</i>	0.20	
			<i>For Ceilings >10' High, Add</i>	0.16	
09 53 23 00-0008	SF		2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.09	0.64
			<i>For UL Listed (Fire Guard), Add</i>	0.20	
			<i>For Fastening To Concrete, Add</i>	1.45	
			<i>For Fastening To Steel, Add</i>	1.57	
			<i>For Vertical Application, Add</i>	1.79	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities <495, Add</i>	0.33	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Up To 50, Add</i>	1.18	
			<i>For >50 To 200, Add</i>	0.67	
			<i>For >200 To 500, Add</i>	0.24	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.13	
			<i>For >5,000, Deduct</i>	-0.19	
			<i>For Black Grid, Add</i>	0.16	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 53 23 00-0009			Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0010	LF		Pencil Rod Support For Suspended Ceiling with Accessories	1.55	
09 53 23 00-0011	LF		1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.77	1.79
			<i>For 304 Stainless Steel, Add</i>	3.11	
			<i>For 316 Stainless Steel, Add</i>	3.49	
			<i>For Aluminum, Add</i>	0.20	
			<i>For Galvanized Steel, Add</i>	0.68	
09 53 23 00-0012	LF		1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	5.38	1.92
			<i>For 304 Stainless Steel, Add</i>	4.73	
			<i>For 316 Stainless Steel, Add</i>	5.31	
			<i>For Aluminum, Add</i>	0.30	
			<i>For Galvanized Steel, Add</i>	1.03	
09 53 23 00-0013	LF		1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	7.52	2.04
			<i>For 304 Stainless Steel, Add</i>	9.43	
			<i>For 316 Stainless Steel, Add</i>	10.59	
			<i>For Aluminum, Add</i>	0.60	
			<i>For Galvanized Steel, Add</i>	2.05	
09 53 23 00-0014	EA		2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee	7.99	0.37
			<i>Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.</i>		
09 53 23 00-0015	EA		Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum	36.07	9.13
			<i>Note: Includes vertical center strut and four 12 gauge diagonal wires.</i>		
09 53 23 00-0016	EA		Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	95.59	25.93
09 53 23 00-0017	EA		>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling.....	99.18	26.42
09 53 23 00-0018	EA		>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling.....	111.91	26.42
09 53 23 00-0019			Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53		
			²³⁾ <i>Note: 2'x2' Or 2'x4'. Includes storage and cleaning.</i>		



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0020 SF Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly	3.52	
Note: Suspension system tie wire, wall angles and bracing to remain in place.		
For Up To 50, Add	1.94	
For >50 To 200, Add	1.06	
For >200 To 500, Add	0.35	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.26	
For Ceilings >10' High, Add	0.26	
09 53 23 00-0021 SF Removal And Reinstallation Of Grid System Assembly.....	1.53	
Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.		
For Up To 50, Add	0.84	
For >50 To 200, Add	0.46	
For >200 To 500, Add	0.15	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.11	
For Ceilings >10' High, Add	0.11	
09 54 Specialty Ceilings <small>(09 50)</small>		
09 54 16 Luminous Ceilings <small>(09 54)</small>		
09 54 16 00-0001 Translucent Ceiling Panels <small>(09 54 16)</small>		
09 54 16 00-0002 SF 2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	3.43	0.64
For Ceilings >10' High, Add	0.11	
For >100 To 200, Deduct	-0.14	
For >200 To 300, Deduct	-0.37	
For >300, Deduct	-0.64	
09 54 23 Linear Metal Ceilings <small>(09 54)</small>		
09 54 23 00-0001 Linear Ceiling Systems <small>(09 54 23)</small>		
09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems <small>(09 54 23 00-0001)</small>		
Note: For flat ceilings. Includes round or box style panels with KYNAR 5000® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System	23.23	2.65
For Up To 50, Add	6.02	
For >50 To 200, Add	3.59	
For >200 To 500, Add	1.48	
For >2,500, Deduct	-1.16	
For Ceilings >10' High, Add	0.48	
For Linear Ceiling Systems Without Filler Strips, Deduct	-4.18	
For Curved Ceilings, Add	1.49	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System	18.77	2.65
For Up To 50, Add	5.30	
For >50 To 200, Add	3.12	
For >200 To 500, Add	1.25	
For >2,500, Deduct	-0.94	
For Ceilings >10' High, Add	0.47	
For Linear Ceiling Systems Without Filler Strips, Deduct	-2.08	
For Curved Ceilings, Add	1.46	
09 54 23 00-0005 SF 12" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.03	2.65
For Up To 50, Add	4.99	
For >50 To 200, Add	2.92	
For >200 To 500, Add	1.16	
For >2,500, Deduct	-0.85	
For Ceilings >10' High, Add	0.46	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.38	
For Curved Ceilings, Add	1.43	
09 54 23 00-0006 Tin Ceilings <small>(09 54 23)</small>		
09 54 23 00-0007 SF 2' x 2' Tin Ceiling Embossed Panels.....	22.50	4.10
For Up To 50, Add	5.35	
For >50 To 200, Add	3.24	
For >200 To 500, Add	1.37	
For >2,500, Deduct	-1.13	
For Ceilings >10' High, Add	0.37	
09 54 23 00-0008 SF 12" x 12" Tin Ceiling Embossed Plates.....	33.20	2.65
For Up To 50, Add	7.06	
For >50 To 200, Add	4.36	
For >200 To 500, Add	1.92	
For >2,500, Deduct	-1.66	
For Ceilings >10' High, Add	0.39	
09 54 23 00-0009 SF 12" x 24" Tin Ceiling Embossed Plates.....	24.29	2.65
For Up To 50, Add	5.73	
For >50 To 200, Add	3.47	
For >200 To 500, Add	1.48	
For >2,500, Deduct	-1.21	
For Ceilings >10' High, Add	0.39	

09 Finishes

09 50 Ceilings

09 54 Specialty Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0010	SF		24" x 24" Tin Ceiling Embossed Plates.....	22.32	2.65
			<i>For Up To 50, Add</i>	5.27	
			<i>For >50 To 200, Add</i>	3.19	
			<i>For >200 To 500, Add</i>	1.36	
			<i>For >2,500, Deduct</i>	-1.12	
			<i>For Ceilings >10' High, Add</i>	0.36	
09 54 23 00-0011	SF		24" x 48" Tin Ceiling Embossed Plates.....	19.47	1.98
			<i>For Up To 50, Add</i>	4.60	
			<i>For >50 To 200, Add</i>	2.79	
			<i>For >200 To 500, Add</i>	1.18	
			<i>For >2,500, Deduct</i>	-0.97	
			<i>For Ceilings >10' High, Add</i>	0.32	
09 54 23 00-0012	LF		3" Or 4" Wide Embossed Molding.....	15.46	3.97
			<i>For Ceilings >10' High, Add</i>	0.58	
09 54 23 00-0013	LF		6" Wide Embossed Molding.....	19.30	4.63
			<i>For Ceilings >10' High, Add</i>	0.65	
09 54 23 00-0014	LF		12" Wide Embossed Molding.....	25.85	5.42
			<i>For Ceilings >10' High, Add</i>	0.81	
09 54 23 00-0015	EA		3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	44.87	12.55
			<i>For Ceilings >10' High, Add</i>	1.84	
09 54 23 00-0016	EA		12" Wide Embossed Cross, Tee Or Ell.....	62.01	14.68
			<i>For Ceilings >10' High, Add</i>	2.21	

09 57 Special Function Ceilings (09 50)

09 57 63 High Impact Ceilings (09 57)

09 57 63 00-0001 High Impact Ceilings (09 57 63)

09 57 63 00-0002	SF		Polyvinyl Chloride Face High Impact Ceiling Panels.....	13.34	1.27
			<i>For Ceilings >10' High, Add</i>	0.15	
09 57 63 00-0003	EA		High Impact Clips.....	6.13	1.02
			<i>For Ceilings >10' High, Add</i>	0.24	

09 60 Flooring (09)

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment (09 60)

09 61 13 Slip-Resistant Flooring Treatment (09 61)

09 61 13 00-0001 Anti-Slip Tape (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF		1" Anti-Slip Tape.....	3.32	2.55
09 61 13 00-0003	LF		2" Anti-Slip Tape.....	4.17	2.80
09 61 13 00-0004	LF		3" Anti-Slip Tape.....	5.02	3.09
09 61 13 00-0005	LF		4" Anti-Slip Tape.....	5.81	3.39
09 61 13 00-0006	LF		6" Anti-Slip Tape.....	7.39	3.74
09 61 13 00-0007	LF		12" Anti-Slip Tape.....	12.87	5.60
09 61 13 00-0008	LF		24" Anti-Slip Tape.....	18.24	8.40

09 63 Masonry Flooring (09 60)

09 63 13 Brick Flooring (09 63)

09 63 13 00-0001 Clay Bricks (09 63 13)

09 63 13 00-0002	SF		2-1/4" Thick Clay Brick Floor.....	31.14	10.37
			<i>For Basket Weave Pattern, Add</i>	2.22	
			<i>For Herringbone Pattern, Add</i>	2.95	
			<i>For Epoxy Joints, Add</i>	5.41	
09 63 13 00-0003	SF		3" Thick Clay Brick Floor.....	35.21	10.37
			<i>For Basket Weave Pattern, Add</i>	2.22	
			<i>For Herringbone Pattern, Add</i>	2.95	
			<i>For Epoxy Joints, Add</i>	5.41	
09 63 13 00-0004	SF		1/2" Thick Unglazed Clay Brick Floor.....	19.70	10.37
			<i>For Basket Weave Pattern, Add</i>	2.22	
			<i>For Herringbone Pattern, Add</i>	2.95	
			<i>For Epoxy Joints, Add</i>	5.41	
09 63 13 00-0005	SF		1/2" Thick Glazed Clay Brick Floor.....	23.38	10.37
			<i>For Basket Weave Pattern, Add</i>	2.22	
			<i>For Herringbone Pattern, Add</i>	2.95	
			<i>For Epoxy Joints, Add</i>	5.41	
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor.....	21.35	10.37
			<i>For Basket Weave Pattern, Add</i>	2.22	
			<i>For Herringbone Pattern, Add</i>	2.95	
			<i>For Epoxy Joints, Add</i>	5.41	
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor.....	26.24	10.37
			<i>For Basket Weave Pattern, Add</i>	2.22	
			<i>For Herringbone Pattern, Add</i>	2.95	
			<i>For Epoxy Joints, Add</i>	5.41	



Finishes	09	09
Flooring	09 60	
Masonry Flooring	09 63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 63	13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	22.94 2.22 2.95 5.41	10.37
09 63	13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	29.14 2.22 2.95 5.41	10.37
09 63 43 Composition Stone Flooring (09 63)					
09 63	43 00-0001		Cupric Oxychloride Cement, Seamless Flooring System (09 63 43) Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63	43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	19.87	6.44
09 64 Wood Flooring (09 60)					
09 64 13 Wood Flooring Underlayment (09 64)					
09 64	13 00-0001		Wood Flooring Underlayment (09 64 13)		
09 64	13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.57	
09 64	13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.59	
09 64	13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.61	
09 64	13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment.....	0.67	
09 64	13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.61	
09 64	13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.67	
09 64	13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.51	0.40
09 64	13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.62	0.40
09 64	13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.96	
09 64	13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180).....	1.18	
09 64	13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193).....	1.27	
09 64	13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026).....	1.53	
09 64	13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105).....	1.55	0.27
09 64 23 Wood Parquet Flooring (09 64)					
Note: All wood parquet flooring is prefinished at factory.					
09 64	23 00-0001		Hardwood Parquet Flooring (09 64 23)		
09 64	23 00-0002	SF	5/16" Thick Oak Parquet Flooring..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 100, Add</i> <i>For >100 To 300, Add</i>	13.00 5.54 2.89 1.45 0.72	1.27
09 64 29 Wood Strip and Plank Flooring (09 64)					
Note: All wood strip flooring is unfinished, tongue and groove.					
09 64	29 00-0001		Unfinished Fir, Wood Strip Flooring (09 64 29)		
09 64	29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	15.38	1.27
			<i>For Factory Finish, Add</i>	0.96	
			<i>For Random Width Floor, Add</i>	3.56	
			<i>For Up To 20, Add</i>	4.89	
			<i>For >20 To 50, Add</i>	2.69	
			<i>For >50 To 100, Add</i>	1.34	
			<i>For >100 To 300, Add</i>	0.67	
09 64	29 00-0003		Unfinished Oak, Wood Strip Flooring (09 64 29)		
09 64	29 00-0004		Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64	29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	12.53	1.27
			<i>For Factory Finish, Add</i>	0.50	
			<i>For Random Width Floor, Add</i>	2.76	
			<i>For Up To 20, Add</i>	5.25	
			<i>For >20 To 50, Add</i>	2.75	
			<i>For >50 To 100, Add</i>	1.38	
			<i>For >100 To 300, Add</i>	0.69	
09 64	29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	13.18	1.27
			<i>For Factory Finish, Add</i>	0.57	
			<i>For Random Width Floor, Add</i>	2.92	
			<i>For Up To 20, Add</i>	5.35	
			<i>For >20 To 50, Add</i>	2.82	
			<i>For >50 To 100, Add</i>	1.41	
			<i>For >100 To 300, Add</i>	0.70	

09 Finishes
09 60 Flooring
09 64 Wood Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0007	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	14.17	1.27
			<i>For Factory Finish, Add</i>	0.67	
			<i>For Random Width Floor, Add</i>	3.17	
			<i>For Up To 20, Add</i>	5.50	
			<i>For >20 To 50, Add</i>	2.92	
			<i>For >50 To 100, Add</i>	1.46	
			<i>For >100 To 300, Add</i>	0.73	
09 64 29 00-0008	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	10.99	1.27
			<i>For Factory Finish, Add</i>	0.53	
			<i>For Random Width Floor, Add</i>	2.46	
			<i>For Up To 20, Add</i>	4.23	
			<i>For >20 To 50, Add</i>	2.25	
			<i>For >50 To 100, Add</i>	1.12	
			<i>For >100 To 300, Add</i>	0.56	
09 64 29 00-0009	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	11.51	1.27
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	2.59	
			<i>For Up To 20, Add</i>	4.31	
			<i>For >20 To 50, Add</i>	2.30	
			<i>For >50 To 100, Add</i>	1.15	
			<i>For >100 To 300, Add</i>	0.57	
09 64 29 00-0010	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	12.52	1.27
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	2.84	
			<i>For Up To 20, Add</i>	4.46	
			<i>For >20 To 50, Add</i>	2.40	
			<i>For >50 To 100, Add</i>	1.20	
			<i>For >100 To 300, Add</i>	0.60	
09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)					
09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	12.64	1.27
			<i>For Factory Finish, Add</i>	0.51	
			<i>For Random Width Floor, Add</i>	2.79	
			<i>For Up To 20, Add</i>	5.27	
			<i>For >20 To 50, Add</i>	2.76	
			<i>For >50 To 100, Add</i>	1.38	
			<i>For >100 To 300, Add</i>	0.69	
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	13.29	1.27
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	2.95	
			<i>For Up To 20, Add</i>	5.37	
			<i>For >20 To 50, Add</i>	2.83	
			<i>For >50 To 100, Add</i>	1.41	
			<i>For >100 To 300, Add</i>	0.71	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	14.28	1.27
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	3.20	
			<i>For Up To 20, Add</i>	5.52	
			<i>For >20 To 50, Add</i>	2.93	
			<i>For >50 To 100, Add</i>	1.46	
			<i>For >100 To 300, Add</i>	0.73	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	11.10	1.27
			<i>For Factory Finish, Add</i>	0.54	
			<i>For Random Width Floor, Add</i>	2.49	
			<i>For Up To 20, Add</i>	4.25	
			<i>For >20 To 50, Add</i>	2.26	
			<i>For >50 To 100, Add</i>	1.13	
			<i>For >100 To 300, Add</i>	0.56	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	11.75	1.27
			<i>For Factory Finish, Add</i>	0.60	
			<i>For Random Width Floor, Add</i>	2.65	
			<i>For Up To 20, Add</i>	4.35	
			<i>For >20 To 50, Add</i>	2.32	
			<i>For >50 To 100, Add</i>	1.16	
			<i>For >100 To 300, Add</i>	0.58	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	12.63	1.27
			<i>For Factory Finish, Add</i>	0.69	
			<i>For Random Width Floor, Add</i>	2.87	
			<i>For Up To 20, Add</i>	4.48	
			<i>For >20 To 50, Add</i>	2.41	
			<i>For >50 To 100, Add</i>	1.21	
			<i>For >100 To 300, Add</i>	0.60	
09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring (09 64 29)					
09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)					
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	15.04	1.27
			<i>For Factory Finish, Add</i>	0.75	
			<i>For Random Width Floor, Add</i>	3.39	
			<i>For Up To 20, Add</i>	5.63	
			<i>For >20 To 50, Add</i>	3.00	
			<i>For >50 To 100, Add</i>	1.50	
			<i>For >100 To 300, Add</i>	0.75	



Finishes	09	09
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0021 SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.95	1.27
<i>For Factory Finish, Add</i>	0.65	
<i>For Random Width Floor, Add</i>	3.11	
<i>For Up To 20, Add</i>	5.47	
<i>For >20 To 50, Add</i>	2.90	
<i>For >50 To 100, Add</i>	1.45	
<i>For >100 To 300, Add</i>	0.72	
09 64 29 00-0022 SF 3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.72	1.27
<i>For Factory Finish, Add</i>	0.80	
<i>For Random Width Floor, Add</i>	3.14	
<i>For Up To 20, Add</i>	4.64	
<i>For >20 To 50, Add</i>	2.52	
<i>For >50 To 100, Add</i>	1.26	
<i>For >100 To 300, Add</i>	0.63	
09 64 29 00-0023 SF 3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	12.63	1.27
<i>For Factory Finish, Add</i>	0.69	
<i>For Random Width Floor, Add</i>	2.87	
<i>For Up To 20, Add</i>	4.48	
<i>For >20 To 50, Add</i>	2.41	
<i>For >50 To 100, Add</i>	1.21	
<i>For >100 To 300, Add</i>	0.60	
09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	17.40	1.27
<i>For Factory Finish, Add</i>	0.99	
<i>For Random Width Floor, Add</i>	3.98	
<i>For Up To 20, Add</i>	5.99	
<i>For >20 To 50, Add</i>	3.24	
<i>For >50 To 100, Add</i>	1.62	
<i>For >100 To 300, Add</i>	0.81	
09 64 29 00-0026 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.94	1.27
<i>For Factory Finish, Add</i>	0.84	
<i>For Random Width Floor, Add</i>	3.61	
<i>For Up To 20, Add</i>	5.77	
<i>For >20 To 50, Add</i>	3.09	
<i>For >50 To 100, Add</i>	1.55	
<i>For >100 To 300, Add</i>	0.77	
09 64 29 00-0027 SF 3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.23	1.27
<i>For Factory Finish, Add</i>	1.05	
<i>For Random Width Floor, Add</i>	3.77	
<i>For Up To 20, Add</i>	5.02	
<i>For >20 To 50, Add</i>	2.77	
<i>For >50 To 100, Add</i>	1.39	
<i>For >100 To 300, Add</i>	0.69	
09 64 29 00-0028 SF 3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.77	1.27
<i>For Factory Finish, Add</i>	0.90	
<i>For Random Width Floor, Add</i>	3.41	
<i>For Up To 20, Add</i>	4.80	
<i>For >20 To 50, Add</i>	2.63	
<i>For >50 To 100, Add</i>	1.31	
<i>For >100 To 300, Add</i>	0.66	
09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)		
Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030 SF 1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	17.70	1.27
<i>For Up To 20, Add</i>	4.91	
<i>For >20 To 50, Add</i>	2.77	
<i>For >50 To 100, Add</i>	1.39	
<i>For >100 To 300, Add</i>	0.69	
09 64 29 00-0031 SF 1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	17.70	1.27
<i>For Up To 20, Add</i>	4.91	
<i>For >20 To 50, Add</i>	2.77	
<i>For >50 To 100, Add</i>	1.39	
<i>For >100 To 300, Add</i>	0.69	
09 64 29 00-0032 SF 1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	17.14	1.27
<i>For Up To 20, Add</i>	4.82	
<i>For >20 To 50, Add</i>	2.71	
<i>For >50 To 100, Add</i>	1.36	
<i>For >100 To 300, Add</i>	0.68	
09 64 29 00-0033 SF 1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	17.56	1.27
<i>For Up To 20, Add</i>	4.88	
<i>For >20 To 50, Add</i>	2.76	
<i>For >50 To 100, Add</i>	1.38	
<i>For >100 To 300, Add</i>	0.69	
09 64 66 Wood Athletic Flooring (09 64)		
Note: 1-1/2" or 2-1/4" widths. Excludes finish.		

09	09	Finishes
	09 60	Flooring
	09 64	Wood Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 64 66 00-0001			Wood Gym/Stage/Dance Floors Applied On Existing Subfloor <small>(09 64 66)</small> Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.		
09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	17.57 -0.20 -0.30 0.50	6.37
09 64 66 00-0003	SF		33/32" Maple Wood Gym/Stage/Dance Floor <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	20.98 -0.20 -0.30 0.50	6.64
09 64 66 00-0004			Wood Gym/Stage/Dance Floor Systems <small>(09 64 66)</small> Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion)..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	23.43 -0.20 -0.30 0.50	8.29
09 64 66 00-0006	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok)..... Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	24.76 -0.20 -0.30 0.50	8.29
09 64 66 00-0007	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	27.61 -0.20 -0.30 0.50	8.29
09 64 66 00-0008	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	26.30 -0.20 -0.30 0.50	8.29
09 64 66 00-0009	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock)..... Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel. <i>For Oak Or Birch, Deduct</i> <i>For Pine, Deduct</i> <i>For #1 Grade Material, Add</i>	29.78 -0.20 -0.30 0.50	8.29

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories (09 65)

09 65 13 13 Resilient Base (09 65 13)

09 65 13 13-0001			Type TV Thermoplastic Vinyl Wall Base <small>(09 65 13 13)</small> Note: Includes inside and outside corners.		
09 65 13 13-0002	LF		2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	5.06 2.05 1.15 0.41 -0.34 -0.52	1.61
09 65 13 13-0003	LF		4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	5.75 2.15 1.22 0.45 -0.41 -0.62	1.61
09 65 13 13-0004	LF		6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	7.23 2.38 1.37 0.52 -0.56 -0.84	1.61
09 65 13 13-0005			Type TP Thermoplastic Rubber Wall Base <small>(09 65 13 13)</small> Note: Includes inside and outside corners.		
09 65 13 13-0006	LF		2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors <i>For Up To 20, Add</i> <i>For >20 To 40, Add</i> <i>For >40 To 80, Add</i> <i>For >240 To 960, Deduct</i> <i>For >960, Deduct</i>	5.50 2.12 1.20 0.44 -0.39 -0.58	1.61



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0007 LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.02	1.61
For Up To 20, Add	2.20	
For >20 To 40, Add	1.25	
For >40 To 80, Add	0.46	
For >240 To 960, Deduct	-0.44	
For >960, Deduct	-0.66	
09 65 13 13-0008 LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	7.46	1.61
For Up To 20, Add	2.41	
For >20 To 40, Add	1.39	
For >40 To 80, Add	0.53	
For >240 To 960, Deduct	-0.58	
For >960, Deduct	-0.88	
09 65 13 13-0009 LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	9.48	1.61
For Up To 20, Add	2.71	
For >20 To 40, Add	1.59	
For >40 To 80, Add	0.64	
For >240 To 960, Deduct	-0.79	
For >960, Deduct	-1.18	
09 65 13 13-0010 LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	9.92	1.61
For Up To 20, Add	2.78	
For >20 To 40, Add	1.64	
For >40 To 80, Add	0.66	
For >240 To 960, Deduct	-0.83	
For >960, Deduct	-1.25	
09 65 13 13-0011 LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.18	1.61
For Up To 20, Add	3.12	
For >20 To 40, Add	1.86	
For >40 To 80, Add	0.77	
For >240 To 960, Deduct	-1.06	
For >960, Deduct	-1.58	
09 65 13 13-0012 LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	16.67	1.61
For Up To 20, Add	3.79	
For >20 To 40, Add	2.31	
For >40 To 80, Add	1.00	
For >240 To 960, Deduct	-1.51	
For >960, Deduct	-2.26	
09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)		
Note: Includes inside and outside corners.		
09 65 13 13-0014 LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.07	1.93
For Up To 20, Add	2.20	
For >20 To 40, Add	1.25	
For >40 To 80, Add	0.47	
For >240 To 960, Deduct	-0.45	
For >960, Deduct	-0.67	
09 65 13 13-0015 LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.10	1.61
For Up To 20, Add	2.21	
For >20 To 40, Add	1.26	
For >40 To 80, Add	0.47	
For >240 To 960, Deduct	-0.45	
For >960, Deduct	-0.67	
09 65 13 13-0016 LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	8.83	1.93
For Up To 20, Add	2.88	
For >20 To 40, Add	1.66	
For >40 To 80, Add	0.64	
For >240 To 960, Deduct	-0.69	
For >960, Deduct	-1.03	
09 65 13 23 Resilient Stair Treads and Risers (09 65 13)		
Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001 Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	16.80	2.59
Note: Raised disc or other pattern.		
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.06	2.78
Note: Raised disc or other pattern.		
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	21.50	2.97
Note: Raised disc or other pattern.		
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0006 Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	15.99	2.59
Note: Smooth surface.		
For Abrasive Strip, Add	2.75	
For Photo Luminescent Abrasive Strip, Add	3.75	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0008	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. For Abrasive Strip, Add For Photo Luminescent Abrasive Strip, Add	16.87 2.75 3.75	2.78
09 65 13 23-0009	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface. For Abrasive Strip, Add For Photo Luminescent Abrasive Strip, Add	20.31 2.75 3.75	2.98
09 65 13 23-0010			Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011	LF		1/8" Thick, Smooth Surface Rubber Stair Riser.....	9.33	1.55
09 65 13 23-0012			Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	28.25	2.39
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	33.67	2.59
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	36.50	2.91
09 65 13 23-0016			Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017			Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	19.61 2.75	2.35
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	21.65 2.75	2.59
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	25.91 2.75	2.79
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	10.96	1.55
09 65 13 33			Resilient Accessories (09 65 13)		
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.20	1.29
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	3.33	1.29
09 65 13 33-0004			Concrete Floor Prep (09 65 13 33)		
09 65 13 33-0005	SF		Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.61	
09 65 13 36			Resilient Carpet Transitions (09 65 13)		
09 65 13 36-0001			Vinyl Transition Strip (09 65 13 36)		
09 65 13 36-0002	LF		Vinyl Transition Strip, Brown Or Black..... For >240 To 960, Deduct For >960, Deduct	2.85 -0.20 -0.31	1.16
09 65 13 36-0003	LF		Vinyl Floor Tile Reducer Strip, Brown Or Black..... For >240 To 960, Deduct For >960, Deduct	2.58 -0.18 -0.27	1.16
09 65 13 36-0004	LF		Vinyl Floor Tile Feature Strip, Brown Or Black..... For >240 To 960, Deduct For >960, Deduct	2.27 -0.15 -0.22	1.16
09 65 13 36-0005	LF		1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	3.81 1.61 0.90 0.32 -0.25 -0.38	1.61
09 65 13 36-0006			Vinyl, Wheeled Traffic Transitions (09 65 13 36)		
09 65 13 36-0007	LF		1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	4.59 1.72 0.98 0.36 -0.33 -0.49	1.61



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0008 LF 1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	4.59	1.61
For Up To 20, Add	1.72	
For >20 To 40, Add	0.98	
For >40 To 80, Add	0.36	
For >240 To 960, Deduct	-0.33	
For >960, Deduct	-0.49	
09 65 13 36-0009 LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	5.48	1.61
For Up To 20, Add	1.86	
For >20 To 40, Add	1.07	
For >40 To 80, Add	0.40	
For >240 To 960, Deduct	-0.42	
For >960, Deduct	-0.63	
09 65 13 36-0010 LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	8.64	1.61
For Up To 20, Add	2.33	
For >20 To 40, Add	1.38	
For >40 To 80, Add	0.56	
For >240 To 960, Deduct	-0.73	
For >960, Deduct	-1.10	
09 65 13 36-0011 LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	8.66	1.61
For Up To 20, Add	2.34	
For >20 To 40, Add	1.38	
For >40 To 80, Add	0.56	
For >240 To 960, Deduct	-0.74	
For >960, Deduct	-1.10	
09 65 13 36-0012 LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	5.95	1.61
For Up To 20, Add	1.93	
For >20 To 40, Add	1.11	
For >40 To 80, Add	0.43	
For >240 To 960, Deduct	-0.47	
For >960, Deduct	-0.70	
09 65 13 36-0013 LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	8.43	1.61
For Up To 20, Add	2.30	
For >20 To 40, Add	1.36	
For >40 To 80, Add	0.55	
For >240 To 960, Deduct	-0.71	
For >960, Deduct	-1.07	
09 65 13 36-0014 LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	8.72	1.61
For Up To 20, Add	2.34	
For >20 To 40, Add	1.39	
For >40 To 80, Add	0.57	
For >240 To 960, Deduct	-0.74	
For >960, Deduct	-1.11	
09 65 13 36-0015 LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	7.44	1.61
For Up To 20, Add	2.15	
For >20 To 40, Add	1.26	
For >40 To 80, Add	0.50	
For >240 To 960, Deduct	-0.61	
For >960, Deduct	-0.92	
09 65 13 36-0016 LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	8.07	1.61
For Up To 20, Add	2.25	
For >20 To 40, Add	1.33	
For >40 To 80, Add	0.53	
For >240 To 960, Deduct	-0.68	
For >960, Deduct	-1.02	
09 65 13 36-0017 LF 1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	8.72	1.61
For Up To 20, Add	2.34	
For >20 To 40, Add	1.39	
For >40 To 80, Add	0.57	
For >240 To 960, Deduct	-0.74	
For >960, Deduct	-1.11	
09 65 13 36-0018 LF 1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	7.32	1.61
For Up To 20, Add	2.13	
For >20 To 40, Add	1.25	
For >40 To 80, Add	0.50	
For >240 To 960, Deduct	-0.60	
For >960, Deduct	-0.90	
09 65 13 36-0019 LF 3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	6.29	1.61
For Up To 20, Add	1.98	
For >20 To 40, Add	1.15	
For >40 To 80, Add	0.44	
For >240 To 960, Deduct	-0.50	
For >960, Deduct	-0.75	
09 65 13 36-0020 LF 3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	8.94	1.61
For Up To 20, Add	2.38	
For >20 To 40, Add	1.41	
For >40 To 80, Add	0.58	
For >240 To 960, Deduct	-0.76	
For >960, Deduct	-1.15	
09 65 13 36-0021 LF 1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	11.33	1.61
For Up To 20, Add	2.74	
For >20 To 40, Add	1.65	
For >40 To 80, Add	0.70	
For >240 To 960, Deduct	-1.00	
For >960, Deduct	-1.51	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	6.13		1.61
		<i>For Up To 20, Add</i>		1.96	
		<i>For >20 To 40, Add</i>		1.13	
		<i>For >40 To 80, Add</i>		0.44	
		<i>For >240 To 960, Deduct</i>		-0.48	
		<i>For >960, Deduct</i>		-0.73	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	6.21		1.61
		<i>For Up To 20, Add</i>		1.97	
		<i>For >20 To 40, Add</i>		1.14	
		<i>For >40 To 80, Add</i>		0.44	
		<i>For >240 To 960, Deduct</i>		-0.49	
		<i>For >960, Deduct</i>		-0.74	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	6.96		1.61
		<i>For Up To 20, Add</i>		2.08	
		<i>For >20 To 40, Add</i>		1.21	
		<i>For >40 To 80, Add</i>		0.48	
		<i>For >240 To 960, Deduct</i>		-0.57	
		<i>For >960, Deduct</i>		-0.85	

09 65 16 Resilient Sheet Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)**09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)**

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	11.67		0.97
		<i>For Up To 40, Add</i>		4.90	
		<i>For >40 To 100, Add</i>		2.45	
		<i>For >1,000, Deduct</i>		-0.97	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	9.59		0.97
		<i>For Up To 40, Add</i>		4.48	
		<i>For >40 To 100, Add</i>		2.24	
		<i>For >1,000, Deduct</i>		-0.76	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring.....	6.36		0.97
		<i>For Up To 40, Add</i>		3.83	
		<i>For >40 To 100, Add</i>		1.92	
		<i>For >1,000, Deduct</i>		-0.44	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring.....	8.17		0.97
		<i>For Up To 40, Add</i>		4.20	
		<i>For >40 To 100, Add</i>		2.10	
		<i>For >1,000, Deduct</i>		-0.62	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring.....	10.83		0.97
		<i>For Up To 40, Add</i>		4.73	
		<i>For >40 To 100, Add</i>		2.36	
		<i>For >1,000, Deduct</i>		-0.89	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring.....	14.85		0.97
		<i>For Up To 40, Add</i>		5.53	
		<i>For >40 To 100, Add</i>		2.77	
		<i>For >1,000, Deduct</i>		-1.29	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	8.97		
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	9.41		

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	21.53		
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09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	4.83		
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	4.41		
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	6.57		
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap.....	3.62		

09 65 19 Resilient Tile Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)**09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19)**

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0002 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	4.55	1.93
For >1,000 To 3,000, Deduct	-0.10	
For >3,000 To 6,000, Deduct	-0.27	
For >6,000, Deduct	-0.49	
For 3/32" Thick, Deduct	-0.22	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0003 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	4.41	1.93
For >1,000 To 3,000, Deduct	-0.10	
For >3,000 To 6,000, Deduct	-0.26	
For >6,000, Deduct	-0.48	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0004 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	4.41	1.93
For >1,000 To 3,000, Deduct	-0.10	
For >3,000 To 6,000, Deduct	-0.26	
For >6,000, Deduct	-0.48	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0005 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	6.33	1.93
For >1,000 To 3,000, Deduct	-0.14	
For >3,000 To 6,000, Deduct	-0.34	
For >6,000, Deduct	-0.60	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0006 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	6.35	1.93
For >1,000 To 3,000, Deduct	-0.14	
For >3,000 To 6,000, Deduct	-0.34	
For >6,000, Deduct	-0.60	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0007 SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	6.72	1.93
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.35	
For >6,000, Deduct	-0.62	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0008 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®).....	6.78	1.93
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.36	
For >6,000, Deduct	-0.62	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0009 SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	7.01	1.93
For >1,000 To 3,000, Deduct	-0.15	
For >3,000 To 6,000, Deduct	-0.36	
For >6,000, Deduct	-0.64	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0010 SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	9.11	1.93
For >1,000 To 3,000, Deduct	-0.19	
For >3,000 To 6,000, Deduct	-0.45	
For >6,000, Deduct	-0.76	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0011 SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	9.93	1.93
For >1,000 To 3,000, Deduct	-0.21	
For >3,000 To 6,000, Deduct	-0.48	
For >6,000, Deduct	-0.81	
For Extra Stock, Material Only, Deduct	-2.28	
09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) <small>(09 65 19 19)</small>		
Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013 SF 1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	19.52	1.93
For >1,000 To 3,000, Deduct	-0.41	
For >3,000 To 6,000, Deduct	-0.92	
For >6,000, Deduct	-1.53	
For Extra Stock, Material Only, Deduct	-3.84	
09 65 19 19-0014 SF 1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD).....	15.08	1.93
For Up To 20, Add	3.88	
For >20 To 40, Add	2.32	
For >40 To 80, Add	0.96	
For >1,000 To 3,000, Deduct	-0.32	
For >3,000 To 6,000, Deduct	-0.74	
For >6,000, Deduct	-1.27	
For Extra Stock, Material Only, Deduct	-3.84	
09 65 19 23 Vinyl Tile Flooring <small>(09 65 19)</small>		
09 65 19 23-0001 Vinyl Tile <small>(09 65 19 23)</small>		
Note: Any size.		
09 65 19 23-0002 Solid Vinyl Tile (SVT) <small>(09 65 19 23-0001)</small>		
Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	11.11	1.93
For Up To 20, Add	2.99	
For >20 To 40, Add	1.77	
For >40 To 80, Add	0.72	
For >1,000 To 3,000, Deduct	-0.24	
For >3,000 To 6,000, Deduct	-0.56	
For >6,000, Deduct	-0.96	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	11.40	1.93
			<i>For Up To 20, Add</i>	3.03	
			<i>For >20 To 40, Add</i>	1.80	
			<i>For >40 To 80, Add</i>	0.74	
			<i>For >1,000 To 3,000, Deduct</i>	-0.24	
			<i>For >3,000 To 6,000, Deduct</i>	-0.57	
			<i>For >6,000, Deduct</i>	-0.98	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	11.60	1.93
			<i>For Up To 20, Add</i>	3.06	
			<i>For >20 To 40, Add</i>	1.82	
			<i>For >40 To 80, Add</i>	0.75	
			<i>For >1,000 To 3,000, Deduct</i>	-0.25	
			<i>For >3,000 To 6,000, Deduct</i>	-0.58	
			<i>For >6,000, Deduct</i>	-0.99	
09 65 19 23-0006			Luxury Vinyl Tile (LVT) <small>(09 65 19 23-0001)</small>		
09 65 19 23-0007	SF		2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	15.03	1.93
			<i>For Up To 20, Add</i>	3.58	
			<i>For >20 To 40, Add</i>	2.17	
			<i>For >40 To 80, Add</i>	0.92	
			<i>For >1,000 To 3,000, Deduct</i>	-0.32	
			<i>For >3,000 To 6,000, Deduct</i>	-0.72	
			<i>For >6,000, Deduct</i>	-1.20	
09 65 19 33			Rubber Tile Flooring <small>(09 65 19)</small>		
09 65 19 33-0001			Rubber Tile <small>(09 65 19 33)</small>		
09 65 19 33-0002			Rubber Tile With Raised Discs, Assorted Colors <small>(09 65 19 33-0001)</small>		
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs	23.62	1.16
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	1.30	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs	28.60	1.29
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	1.56	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs	31.81	1.55
			Note: Smooth, raised disc or other patterned surface.		
			<i>For Up To 100, Add</i>	1.75	
09 65 19 43			Polyester Composition Tile Flooring <small>(09 65 19)</small>		
09 65 19 43-0001			Polyester Composition Floor Tile <small>(09 65 19 43)</small>		
			Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	9.65	1.93
			<i>For >1,000 To 3,000, Deduct</i>	-0.21	
			<i>For >3,000 To 6,000, Deduct</i>	-0.47	
			<i>For >6,000, Deduct</i>	-0.80	
			<i>For Extra Stock, Material Only, Deduct</i>	-2.28	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	7.34	1.93
			<i>For >1,000 To 3,000, Deduct</i>	-0.16	
			<i>For >3,000 To 6,000, Deduct</i>	-0.38	
			<i>For >6,000, Deduct</i>	-0.66	
			<i>For Extra Stock, Material Only, Deduct</i>	-2.28	
09 65 23			Resilient Plank Flooring <small>(09 65)</small>		
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001			Vinyl Plank Flooring <small>(09 65 23)</small>		
09 65 23 00-0002	SF		0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	8.84	0.97
			<i>For Up To 40, Add</i>	4.33	
			<i>For >40 To 100, Add</i>	2.16	
			<i>For >1,000, Deduct</i>	-0.69	
09 65 23 00-0003	SF		0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	11.05	0.97
			<i>For Up To 40, Add</i>	4.77	
			<i>For >40 To 100, Add</i>	2.39	
			<i>For >1,000, Deduct</i>	-0.91	
09 65 23 00-0004	SF		0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	12.42	0.97
			<i>For Up To 40, Add</i>	5.05	
			<i>For >40 To 100, Add</i>	2.52	
			<i>For >1,000, Deduct</i>	-1.05	
09 65 43			Linoleum Flooring <small>(09 65)</small>		
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001			Linoleum Flooring <small>(09 65 43)</small>		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	7.96	1.93
09 65 43 00-0003	SF		2.5 mm, Linoleum Sheet (Forbo Marmoleum)	5.85	0.97
			<i>For 3.2mm Thickness, Add</i>	0.78	
			<i>For 2mm Thickness, Deduct</i>	-0.37	



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	8.98	
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09 65 66 Resilient Athletic Flooring (09 65)

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles (09 65 66)

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile <i>For Colors, Add</i>	7.96	0.91
			1.33	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile <i>For Colors, Add</i>	9.28	1.13
			1.53	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile <i>For Colors, Add</i>	10.93	1.81
			1.67	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile <i>For Colors, Add</i>	15.73	2.19
			2.52	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155) <i>For Colors, Add</i>	41.28	0.91
			5.00	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100) <i>For Colors, Add</i>	59.62	0.91
			7.29	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100) <i>For Colors, Add</i>	43.59	0.91
			5.29	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200) <i>For Colors, Add</i>	53.58	0.91
			6.54	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150) <i>For Colors, Add</i>	44.82	0.91
			5.44	

09 65 66 00-0012 Sheet Goods For Gym (09 65 66)

09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.15	3.88
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	25.52	4.01
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	26.78	4.13
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	6.19	3.16
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	6.97	3.61
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	7.89	3.88
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	8.59	4.13
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	9.06	4.39

09 65 66 00-0021 Polyurethane Floor Systems (09 65 66)

09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	26.18	2.59
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09 66 Terrazzo Flooring (09 60)

09 66 13 Portland Cement Terrazzo Flooring (09 66)

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)

09 66 13 13-0001 Floors Not Bonded To Concrete (09 66 13 13)

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	34.11	3.25
			8.38	
			8.38	
			4.19	
			8.62	
			4.31	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	34.28	3.25
			8.47	
			8.47	
			4.23	
			8.63	
			4.32	

09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)

09 66 13 16-0001 Monolithic Terrazzo (09 66 13 16)

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 16-0002 SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping.....	18.51	3.25
Note: Including Mesh And Felt		
For Venetian Type Terrazzo, Add	6.11	
For Abrasive Heavy Duty Terrazzo, Add	6.11	
For Colors, Add	3.05	
For Up To 100, Add	3.74	
For >100 To 250, Add	1.87	
09 66 13 19 Bonded Terrazzo Flooring (09 66 13)		
09 66 13 19-0001 Floors Bonded To Concrete (09 66 13 19)		
Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002 SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping.....	27.17	3.25
For Venetian Type Terrazzo, Add	6.92	
For Abrasive Heavy Duty Terrazzo, Add	6.92	
For Colors, Add	3.46	
For Up To 100, Add	6.72	
For >100 To 250, Add	3.36	
09 66 13 19-0003 SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	27.33	3.25
For Venetian Type Terrazzo, Add	7.00	
For Abrasive Heavy Duty Terrazzo, Add	7.00	
For Colors, Add	3.50	
For Up To 100, Add	6.73	
For >100 To 250, Add	3.37	
09 66 13 19-0004 Terrazzo Wainscot (09 66 13 19)		
09 66 13 19-0005 SF 1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry.....	37.84	4.33
For Venetian Type Terrazzo, Add	4.48	
09 66 13 19-0006 Terrazzo Base (09 66 13 19)		
09 66 13 19-0007 SF 6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry.....	38.89	3.49
For Venetian Type Terrazzo, Add	9.77	
09 66 13 19-0008 Terrazzo Curb (09 66 13 19)		
09 66 13 19-0009 LF 6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces.....	103.49	23.23
For Venetian Type Terrazzo, Add	13.02	
09 66 13 19-0010 Stairs Cast In Place (09 66 13 19)		
Note: Topping applied to concrete or metal.		
09 66 13 19-0011 LF 1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal.....	38.83	6.50
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	
09 66 13 19-0012 LF Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal.....	97.89	21.66
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	
09 66 13 19-0013 SF Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal.....	39.32	6.50
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	
09 66 13 19-0014 Divider Strips (09 66 13 19)		
09 66 13 19-0015 LF 1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	7.01	1.08
09 66 13 19-0016 LF 1-1/4" Deep, 14 Gauge, Brass, Divider Strip.....	6.37	1.08
09 66 13 19-0017 LF 1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip.....	11.00	1.08
09 66 13 19-0018 LF 1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	16.57	1.08
09 66 13 19-0019 LF 1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	6.67	1.08
09 66 13 19-0020 LF 1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	10.17	1.08
09 66 13 19-0021 LF Vinyl Plastic, Divider Strip For Floor.....	6.12	1.08
09 66 16 Terrazzo Floor Tile (09 66)		
09 66 16 13 Portland Cement Terrazzo Floor Tile (09 66 16)		
09 66 16 13-0001 Flooring Tiles (09 66 16 13)		
Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002 Terrazzo Tiles With Non-Slip Surface (09 66 16 13-0001)		
09 66 16 13-0003 SF 9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile.....	32.06	3.23
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	



Finishes	09	09
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0004	SF		12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	32.46 0.36 2.00	3.23
09 66 16 13-0005	SF		12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	37.37 0.36 2.00	3.23
09 66 16 13-0006	SF		18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	39.54 0.36 2.00	3.23
09 66 16 13-0007	SF		24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	40.87 0.36 2.00	3.23
09 66 16 13-0008			Terrazzo Tile Thin Set <small>(09 66 16 13-0001)</small>		
09 66 16 13-0009	SF		Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	31.54 0.36 2.00	3.23
09 66 16 13-0010	SF		Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	33.45 0.36 2.00	3.23
09 66 16 13-0011			Thin Set Terrazzo Wainscot <small>(09 66 16 13-0001)</small>		
09 66 16 13-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	50.89 0.50 1.00	6.97
09 66 16 13-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	58.19 0.50 1.00	6.97
09 66 16 13-0014			Thin Set Terrazzo Base, Gray Cement <small>(09 66 16 13-0001)</small>		
09 66 16 13-0015	LF		6" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	16.76 0.50 1.00	3.49
09 66 16 13-0016	LF		6" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	18.53 0.50 1.00	3.49
09 66 16 13-0017	LF		8" High, Straight Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	19.41 0.50 1.00	3.49
09 66 16 13-0018	LF		8" High, Cove Terrazzo Base Thin Set, Gray Cement <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	20.30 0.50 1.00	3.49
09 66 16 13-0019			Terrazzo Curbs <small>(09 66 16 13-0001)</small>		
09 66 16 13-0020	LF		8" x 8" Curb, Terrazzo Tile <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	34.72 0.50 1.00	4.64
09 66 16 13-0021	LF		6" x 6" Curb, Terrazzo Tile <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	33.84 0.50 1.00	4.64
09 66 16 13-0022			Precast Terrazzo Stair Treads 12" Wide <small>(09 66 16 13-0001)</small>		
09 66 16 13-0023	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	77.54	4.64
09 66 16 13-0024	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	66.92	4.64
09 66 16 13-0025	LF		2" Precast Terrazzo Straight Stair Tread	59.83	4.64
09 66 16 13-0026	LF		2" Precast Terrazzo Curved Stair Tread	69.86	4.64
09 66 16 13-0027			Stair Risers, 1" Thick To 6" High, Straight <small>(09 66 16 13-0001)</small>		
09 66 16 13-0028	LF		1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	35.76	3.49
09 66 16 13-0029	LF		1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	41.07	3.49
09 66 16 13-0030			Stair Risers, 1" Thick To 6" High, Curved <small>(09 66 16 13-0001)</small>		
09 66 16 13-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	51.91	3.49
09 66 16 13-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	55.45	3.49
09 66 16 13-0033			Tread And Riser <small>(09 66 16 13)</small>		
09 66 16 13-0034			Stair Stringers, Notched For Treads And Risers <small>(09 66 16 13-0033)</small>		
09 66 16 13-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	87.70	9.30
09 66 16 13-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	105.62	9.30
09 66 16 13-0037			Structural Non-Slip Landings <small>(09 66 16 13-0033)</small>		
09 66 16 13-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	62.83	4.64

60	09	Finishes
	09 60	Flooring
	09 66	Terrazzo Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0039 SF 3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip.....	76.85	4.64
09 66 16 13-0040 Combined Tread And Riser (09 66 16 13-0033)		
09 66 16 13-0041 Straight Sections (09 66 16 13-0040)		
09 66 16 13-0042 LF Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	134.87	9.30
09 66 16 13-0043 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	159.65	9.30
09 66 16 13-0044 Curved Sections (09 66 16 13-0040)		
09 66 16 13-0045 LF Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	167.94	9.30
09 66 16 13-0046 LF Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	210.42	9.30
09 66 23 Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16 Epoxy-Resin Terrazzo Flooring (09 66 23)		
09 66 23 16-0001 Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002 SF Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	25.68	3.25
09 66 33 Conductive Terrazzo Flooring (09 66)		
Note: For anti-static areas.		
09 66 33 13 Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001 SF Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	26.89	5.81
09 66 33 13-0002 SF Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	48.24	5.81
09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001 SF Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	20.67	5.81
09 66 33 16-0002 SF Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	34.66	5.81
09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001 SF Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	23.17	5.81
09 66 33 19-0002 SF Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	43.64	5.81
09 66 33 19-0003 SF Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	33.03	5.81
09 66 33 19-0004 SF Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	37.82	5.81
09 67 Fluid-Applied Flooring (09 60)		
09 67 16 Epoxy-Marble Chip Flooring (09 67)		
09 67 16 00-0001 Epoxy Marble Chip Flooring (09 67 16)		
09 67 16 00-0002 SF Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	18.45	3.25
Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
For Skid Resistant Abrasive Sand Finish, Add	0.09	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
09 67 16 00-0003 SF Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy.....	19.67	3.25
Note: Includes primer, 3/16" marble chip coat and top seal coat.		
For Skid Resistant Abrasive Sand Finish, Add	0.10	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	
09 67 23 Resinous Flooring (09 67)		
09 67 23 00-0001 Epoxy Resin Flooring (09 67 23)		
Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bed blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		
09 67 23 00-0002 SF 3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	13.44	7.37
Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.05	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
For Up To 500, Add	2.49	
For >500 To 1,000, Add	1.58	
For >1,000 To 2,000, Add	0.79	
For >10,000, Deduct	-0.89	
09 67 23 00-0003 SF 3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	19.19	7.37
Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
For Skid Resistant Abrasive Sand Finish, Add	0.11	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.11	
For Up To 500, Add	3.93	
For >500 To 1,000, Add	2.45	
For >1,000 To 2,000, Add	1.22	
For >10,000, Deduct	-1.18	



Finishes	09	09
Flooring	09 60	
Fluid-Applied Flooring	09 67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0004	SF		1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	16.13	8.23
			Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
			<i>For Up To 500, Add</i>	2.95	
			<i>For >500 To 1,000, Add</i>	1.88	
			<i>For >1,000 To 2,000, Add</i>	0.94	
			<i>For >10,000, Deduct</i>	-1.08	
09 67 23 00-0005	SF		1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	22.72	8.23
			Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.12	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.12	
			<i>For Up To 500, Add</i>	4.60	
			<i>For >500 To 1,000, Add</i>	2.87	
			<i>For >1,000 To 2,000, Add</i>	1.43	
			<i>For >10,000, Deduct</i>	-1.41	
09 67 23 00-0006	SF		3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	18.18	9.21
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.06	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.06	
			<i>For Up To 500, Add</i>	3.34	
			<i>For >500 To 1,000, Add</i>	2.13	
			<i>For >1,000 To 2,000, Add</i>	1.06	
			<i>For >10,000, Deduct</i>	-1.21	
09 67 23 00-0007	SF		3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	25.18	9.21
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.13	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.13	
			<i>For Up To 500, Add</i>	5.09	
			<i>For >500 To 1,000, Add</i>	3.18	
			<i>For >1,000 To 2,000, Add</i>	1.59	
			<i>For >10,000, Deduct</i>	-1.56	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)

09 68 13 00-0001 Tufted Carpet Tiles (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles (09 68 13 00-0001)

09 68 13 00-0003	SY		18 Ounce, Non-Patterned, Nylon Carpet Tile	40.43	7.76
			<i>For Up To 15, Add</i>	3.81	
			<i>For >15 To 33, Add</i>	1.90	
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400 To 600, Deduct</i>	-0.64	
			<i>For >600 To 900, Deduct</i>	-1.36	
			<i>For >900 To 1,500, Deduct</i>	-2.07	
			<i>For >1,500 To 2,200, Deduct</i>	-3.09	
			<i>For >2,200 To 3,500, Deduct</i>	-4.10	
			<i>For >3,500, Deduct</i>	-5.11	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0004	SY		20 Ounce, Non-Patterned, Nylon Carpet Tile	41.73	7.76
			<i>For Up To 15, Add</i>	3.81	
			<i>For >15 To 33, Add</i>	1.90	
			<i>For >200 To 400, Deduct</i>	-0.45	
			<i>For >400 To 600, Deduct</i>	-0.68	
			<i>For >600 To 900, Deduct</i>	-1.42	
			<i>For >900 To 1,500, Deduct</i>	-2.16	
			<i>For >1,500 To 2,200, Deduct</i>	-3.22	
			<i>For >2,200 To 3,500, Deduct</i>	-4.26	
			<i>For >3,500, Deduct</i>	-5.31	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0005	SY		22 Ounce, Non-Patterned, Nylon Carpet Tile	45.85	7.76
			<i>For Up To 15, Add</i>	3.81	
			<i>For >15 To 33, Add</i>	1.90	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400 To 600, Deduct</i>	-0.80	
			<i>For >600 To 900, Deduct</i>	-1.63	
			<i>For >900 To 1,500, Deduct</i>	-2.45	
			<i>For >1,500 To 2,200, Deduct</i>	-3.63	
			<i>For >2,200 To 3,500, Deduct</i>	-4.78	
			<i>For >3,500, Deduct</i>	-5.93	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0006	SY		24 Ounce, Non-Patterned, Nylon Carpet Tile	49.87	7.76
			<i>For Up To 15, Add</i>	3.81	
			<i>For >15 To 33, Add</i>	1.90	
			<i>For >200 To 400, Deduct</i>	-0.62	
			<i>For >400 To 600, Deduct</i>	-0.93	
			<i>For >600 To 900, Deduct</i>	-1.83	
			<i>For >900 To 1,500, Deduct</i>	-2.73	
			<i>For >1,500 To 2,200, Deduct</i>	-4.04	
			<i>For >2,200 To 3,500, Deduct</i>	-5.28	
			<i>For >3,500, Deduct</i>	-6.53	
			<i>For Cushion Backed Tile, Add</i>	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0007	SY 26 Ounce, Non-Patterned, Nylon Carpet Tile	52.22	7.76
	<i>For Up To 15, Add</i>	3.81	
	<i>For >15 To 33, Add</i>	1.90	
	<i>For >200 To 400, Deduct</i>	-0.66	
	<i>For >400 To 600, Deduct</i>	-1.00	
	<i>For >600 To 900, Deduct</i>	-1.94	
	<i>For >900 To 1,500, Deduct</i>	-2.89	
	<i>For >1,500 To 2,200, Deduct</i>	-4.27	
	<i>For >2,200 To 3,500, Deduct</i>	-5.58	
	<i>For >3,500, Deduct</i>	-6.88	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0008	SY 28 Ounce, Non-Patterned, Nylon Carpet Tile	54.62	7.76
	<i>For Up To 15, Add</i>	3.81	
	<i>For >15 To 33, Add</i>	1.90	
	<i>For >200 To 400, Deduct</i>	-0.71	
	<i>For >400 To 600, Deduct</i>	-1.07	
	<i>For >600 To 900, Deduct</i>	-2.06	
	<i>For >900 To 1,500, Deduct</i>	-3.06	
	<i>For >1,500 To 2,200, Deduct</i>	-4.51	
	<i>For >2,200 To 3,500, Deduct</i>	-5.88	
	<i>For >3,500, Deduct</i>	-7.24	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0009	SY 30 Ounce, Non-Patterned, Nylon Carpet Tile	55.34	7.76
	<i>For Up To 15, Add</i>	3.81	
	<i>For >15 To 33, Add</i>	1.90	
	<i>For >200 To 400, Deduct</i>	-0.73	
	<i>For >400 To 600, Deduct</i>	-1.09	
	<i>For >600 To 900, Deduct</i>	-2.10	
	<i>For >900 To 1,500, Deduct</i>	-3.11	
	<i>For >1,500 To 2,200, Deduct</i>	-4.58	
	<i>For >2,200 To 3,500, Deduct</i>	-5.97	
	<i>For >3,500, Deduct</i>	-7.35	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0010	SY 32 Ounce, Non-Patterned, Nylon Carpet Tile	55.78	7.76
	<i>For Up To 15, Add</i>	3.81	
	<i>For >15 To 33, Add</i>	1.90	
	<i>For >200 To 400, Deduct</i>	-0.74	
	<i>For >400 To 600, Deduct</i>	-1.10	
	<i>For >600 To 900, Deduct</i>	-2.12	
	<i>For >900 To 1,500, Deduct</i>	-3.14	
	<i>For >1,500 To 2,200, Deduct</i>	-4.63	
	<i>For >2,200 To 3,500, Deduct</i>	-6.02	
	<i>For >3,500, Deduct</i>	-7.42	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0011	SY 34 Ounce, Non-Patterned, Nylon Carpet Tile	56.16	7.76
	<i>For Up To 15, Add</i>	3.81	
	<i>For >15 To 33, Add</i>	1.90	
	<i>For >200 To 400, Deduct</i>	-0.74	
	<i>For >400 To 600, Deduct</i>	-1.11	
	<i>For >600 To 900, Deduct</i>	-2.14	
	<i>For >900 To 1,500, Deduct</i>	-3.17	
	<i>For >1,500 To 2,200, Deduct</i>	-4.66	
	<i>For >2,200 To 3,500, Deduct</i>	-6.07	
	<i>For >3,500, Deduct</i>	-7.47	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0012	SY 36 Ounce, Non-Patterned, Nylon Carpet Tile	57.44	7.76
	<i>For Up To 15, Add</i>	3.81	
	<i>For >15 To 33, Add</i>	1.90	
	<i>For >200 To 400, Deduct</i>	-0.77	
	<i>For >400 To 600, Deduct</i>	-1.15	
	<i>For >600 To 900, Deduct</i>	-2.21	
	<i>For >900 To 1,500, Deduct</i>	-3.26	
	<i>For >1,500 To 2,200, Deduct</i>	-4.79	
	<i>For >2,200 To 3,500, Deduct</i>	-6.23	
	<i>For >3,500, Deduct</i>	-7.66	
	<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
	<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0013	SY 38 Ounce, Non-Patterned, Nylon Carpet Tile	59.98	7.76
	<i>For Up To 15, Add</i>	3.81	
	<i>For >15 To 33, Add</i>	1.90	
	<i>For >200 To 400, Deduct</i>	-0.82	
	<i>For >400 To 600, Deduct</i>	-1.23	
	<i>For >600 To 900, Deduct</i>	-2.33	
	<i>For >900 To 1,500, Deduct</i>	-3.44	
	<i>For >1,500 To 2,200, Deduct</i>	-5.05	
	<i>For >2,200 To 3,500, Deduct</i>	-6.55	
	<i>For >3,500, Deduct</i>	-8.05	
	<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
	<i>For Cushion Backed Tile, Add</i>	6.00	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	62.71	7.76
			<i>For Up To 15, Add</i>	3.81	
			<i>For >15 To 33, Add</i>	1.90	
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400 To 600, Deduct</i>	-1.31	
			<i>For >600 To 900, Deduct</i>	-2.47	
			<i>For >900 To 1,500, Deduct</i>	-3.63	
			<i>For >1,500 To 2,200, Deduct</i>	-5.32	
			<i>For >2,200 To 3,500, Deduct</i>	-6.89	
			<i>For >3,500, Deduct</i>	-8.46	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	67.95	7.76
			<i>For Up To 15, Add</i>	3.81	
			<i>For >15 To 33, Add</i>	1.90	
			<i>For >200 To 400, Deduct</i>	-0.98	
			<i>For >400 To 600, Deduct</i>	-1.47	
			<i>For >600 To 900, Deduct</i>	-2.73	
			<i>For >900 To 1,500, Deduct</i>	-4.00	
			<i>For >1,500 To 2,200, Deduct</i>	-5.84	
			<i>For >2,200 To 3,500, Deduct</i>	-7.54	
			<i>For >3,500, Deduct</i>	-9.24	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles.....	18.58	
09 68	13 00-0017		Patterned Carpet Tiles <small>(09 68 13 00-0001)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68	13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	41.97	7.76
			<i>For Up To 15, Add</i>	4.19	
			<i>For >15 To 33, Add</i>	2.09	
			<i>For >200 To 400, Deduct</i>	-0.42	
			<i>For >400 To 600, Deduct</i>	-0.63	
			<i>For >600 To 900, Deduct</i>	-1.37	
			<i>For >900 To 1,500, Deduct</i>	-2.10	
			<i>For >1,500 To 2,200, Deduct</i>	-3.15	
			<i>For >2,200 To 3,500, Deduct</i>	-4.20	
			<i>For >3,500, Deduct</i>	-5.25	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	42.34	7.76
			<i>For Up To 15, Add</i>	4.19	
			<i>For >15 To 33, Add</i>	2.09	
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400 To 600, Deduct</i>	-0.64	
			<i>For >600 To 900, Deduct</i>	-1.38	
			<i>For >900 To 1,500, Deduct</i>	-2.13	
			<i>For >1,500 To 2,200, Deduct</i>	-3.19	
			<i>For >2,200 To 3,500, Deduct</i>	-4.25	
			<i>For >3,500, Deduct</i>	-5.30	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	43.98	7.76
			<i>For Up To 15, Add</i>	4.19	
			<i>For >15 To 33, Add</i>	2.09	
			<i>For >200 To 400, Deduct</i>	-0.46	
			<i>For >400 To 600, Deduct</i>	-0.69	
			<i>For >600 To 900, Deduct</i>	-1.47	
			<i>For >900 To 1,500, Deduct</i>	-2.24	
			<i>For >1,500 To 2,200, Deduct</i>	-3.35	
			<i>For >2,200 To 3,500, Deduct</i>	-4.45	
			<i>For >3,500, Deduct</i>	-5.55	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	48.17	7.76
			<i>For Up To 15, Add</i>	4.19	
			<i>For >15 To 33, Add</i>	2.09	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400 To 600, Deduct</i>	-0.82	
			<i>For >600 To 900, Deduct</i>	-1.68	
			<i>For >900 To 1,500, Deduct</i>	-2.53	
			<i>For >1,500 To 2,200, Deduct</i>	-3.77	
			<i>For >2,200 To 3,500, Deduct</i>	-4.97	
			<i>For >3,500, Deduct</i>	-6.18	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68	13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	52.24	7.76
			<i>For Up To 15, Add</i>	4.19	
			<i>For >15 To 33, Add</i>	2.09	
			<i>For >200 To 400, Deduct</i>	-0.63	
			<i>For >400 To 600, Deduct</i>	-0.94	
			<i>For >600 To 900, Deduct</i>	-1.88	
			<i>For >900 To 1,500, Deduct</i>	-2.82	
			<i>For >1,500 To 2,200, Deduct</i>	-4.18	
			<i>For >2,200 To 3,500, Deduct</i>	-5.48	
			<i>For >3,500, Deduct</i>	-6.79	
			<i>For Cushion Backed Tile, Add</i>	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0023	SY 26 Ounce, Patterned, Nylon Carpet Tile	54.63	7.76
	For Up To 15, Add	4.19	
	For >15 To 33, Add	2.09	
	For >200 To 400, Deduct	-0.67	
	For >400 To 600, Deduct	-1.01	
	For >600 To 900, Deduct	-2.00	
	For >900 To 1,500, Deduct	-2.99	
	For >1,500 To 2,200, Deduct	-4.42	
	For >2,200 To 3,500, Deduct	-5.78	
	For >3,500, Deduct	-7.15	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0024	SY 28 Ounce, Patterned, Nylon Carpet Tile	57.07	7.76
	For Up To 15, Add	4.19	
	For >15 To 33, Add	2.09	
	For >200 To 400, Deduct	-0.72	
	For >400 To 600, Deduct	-1.08	
	For >600 To 900, Deduct	-2.12	
	For >900 To 1,500, Deduct	-3.16	
	For >1,500 To 2,200, Deduct	-4.66	
	For >2,200 To 3,500, Deduct	-6.09	
	For >3,500, Deduct	-7.51	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0025	SY 30 Ounce, Patterned, Nylon Carpet Tile	57.79	7.76
	For Up To 15, Add	4.19	
	For >15 To 33, Add	2.09	
	For >200 To 400, Deduct	-0.74	
	For >400 To 600, Deduct	-1.11	
	For >600 To 900, Deduct	-2.16	
	For >900 To 1,500, Deduct	-3.21	
	For >1,500 To 2,200, Deduct	-4.73	
	For >2,200 To 3,500, Deduct	-6.18	
	For >3,500, Deduct	-7.62	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0026	SY 32 Ounce, Patterned, Nylon Carpet Tile	58.25	7.76
	For Up To 15, Add	4.19	
	For >15 To 33, Add	2.09	
	For >200 To 400, Deduct	-0.75	
	For >400 To 600, Deduct	-1.12	
	For >600 To 900, Deduct	-2.18	
	For >900 To 1,500, Deduct	-3.24	
	For >1,500 To 2,200, Deduct	-4.78	
	For >2,200 To 3,500, Deduct	-6.23	
	For >3,500, Deduct	-7.69	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0027	SY 34 Ounce, Patterned, Nylon Carpet Tile	58.63	7.76
	For Up To 15, Add	4.19	
	For >15 To 33, Add	2.09	
	For >200 To 400, Deduct	-0.75	
	For >400 To 600, Deduct	-1.13	
	For >600 To 900, Deduct	-2.20	
	For >900 To 1,500, Deduct	-3.27	
	For >1,500 To 2,200, Deduct	-4.82	
	For >2,200 To 3,500, Deduct	-6.28	
	For >3,500, Deduct	-7.75	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0028	SY 36 Ounce, Patterned, Nylon Carpet Tile	59.93	7.76
	For Up To 15, Add	4.19	
	For >15 To 33, Add	2.09	
	For >200 To 400, Deduct	-0.78	
	For >400 To 600, Deduct	-1.17	
	For >600 To 900, Deduct	-2.26	
	For >900 To 1,500, Deduct	-3.36	
	For >1,500 To 2,200, Deduct	-4.95	
	For >2,200 To 3,500, Deduct	-6.44	
	For >3,500, Deduct	-7.94	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0029	SY 38 Ounce, Patterned, Nylon Carpet Tile	62.51	7.76
	For Up To 15, Add	4.19	
	For >15 To 33, Add	2.09	
	For >200 To 400, Deduct	-0.83	
	For >400 To 600, Deduct	-1.25	
	For >600 To 900, Deduct	-2.39	
	For >900 To 1,500, Deduct	-3.54	
	For >1,500 To 2,200, Deduct	-5.20	
	For >2,200 To 3,500, Deduct	-6.77	
	For >3,500, Deduct	-8.33	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Cushion Backed Tile, Add	6.00	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0030	SY		40 Ounce, Patterned, Nylon Carpet Tile	65.28	7.76
			For Up To 15, Add	4.19	
			For >15 To 33, Add	2.09	
			For >200 To 400, Deduct	-0.89	
			For >400 To 600, Deduct	-1.33	
			For >600 To 900, Deduct	-2.53	
			For >900 To 1,500, Deduct	-3.73	
			For >1,500 To 2,200, Deduct	-5.48	
			For >2,200 To 3,500, Deduct	-7.11	
			For >3,500, Deduct	-8.75	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0031	SY		42 Ounce, Patterned, Nylon Carpet Tile	70.60	7.76
			For Up To 15, Add	4.19	
			For >15 To 33, Add	2.09	
			For >200 To 400, Deduct	-0.99	
			For >400 To 600, Deduct	-1.49	
			For >600 To 900, Deduct	-2.80	
			For >900 To 1,500, Deduct	-4.10	
			For >1,500 To 2,200, Deduct	-6.01	
			For >2,200 To 3,500, Deduct	-7.78	
			For >3,500, Deduct	-9.54	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Cushion Backed Tile, Add	6.00	
09 68 13 00-0032	SY		Installation Of Owner Provided Patterned Carpet Tiles	21.35	
09 68 13 00-0033			ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) (09 68 13 00-0001)		
			Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0034	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	98.29	7.76
			For Up To 15, Add	4.19	
			For >15 To 33, Add	2.09	
			For >200 To 400, Deduct	-1.55	
			For >400 To 600, Deduct	-2.32	
			For >600 To 900, Deduct	-4.18	
			For >900 To 1,500, Deduct	-6.04	
			For >1,500 To 2,200, Deduct	-8.78	
			For >2,200 To 3,500, Deduct	-11.24	
			For >3,500, Deduct	-13.70	
09 68 16			Sheet Carpeting (09 68)		
			Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001			Carpet Cushion (09 68 16)		
09 68 16 00-0002			Carpet Padding (09 68 16 00-0001)		
09 68 16 00-0003			Prime Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0004	SY		7/16" Thick, Prime Polyurethane Foam Carpet Padding	17.87	3.28
			For Up To 15, Add	0.99	
			For >15 To 33, Add	0.50	
			For >200 To 400, Deduct	-0.26	
			For >400 To 600, Deduct	-0.39	
			For >600 To 900, Deduct	-0.72	
			For >900 To 1,500, Deduct	-1.05	
			For >1,500 To 2,200, Deduct	-1.54	
			For >2,200 To 3,500, Deduct	-1.99	
			For >3,500, Deduct	-2.43	
09 68 16 00-0005	SY		1/2" Thick, Prime Polyurethane Foam Carpet Padding	18.63	3.28
			For Up To 15, Add	0.99	
			For >15 To 33, Add	0.50	
			For >200 To 400, Deduct	-0.27	
			For >400 To 600, Deduct	-0.41	
			For >600 To 900, Deduct	-0.76	
			For >900 To 1,500, Deduct	-1.11	
			For >1,500 To 2,200, Deduct	-1.62	
			For >2,200 To 3,500, Deduct	-2.08	
			For >3,500, Deduct	-2.55	
09 68 16 00-0006			Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0007	SY		1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	11.26	3.28
			For Up To 15, Add	0.99	
			For >15 To 33, Add	0.50	
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.19	
			For >600 To 900, Deduct	-0.39	
			For >900 To 1,500, Deduct	-0.59	
			For >1,500 To 2,200, Deduct	-0.88	
			For >2,200 To 3,500, Deduct	-1.16	
			For >3,500, Deduct	-1.44	

09 Finishes

09 60 Flooring

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0008	SY		5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.79	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.14	
			<i>For >400 To 600, Deduct</i>	-0.21	
			<i>For >600 To 900, Deduct</i>	-0.42	
			<i>For >900 To 1,500, Deduct</i>	-0.63	
			<i>For >1,500 To 2,200, Deduct</i>	-0.93	
			<i>For >2,200 To 3,500, Deduct</i>	-1.23	
			<i>For >3,500, Deduct</i>	-1.52	
09 68 16 00-0009	SY		3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	9.33	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.09	
			<i>For >400 To 600, Deduct</i>	-0.13	
			<i>For >600 To 900, Deduct</i>	-0.29	
			<i>For >900 To 1,500, Deduct</i>	-0.46	
			<i>For >1,500 To 2,200, Deduct</i>	-0.69	
			<i>For >2,200 To 3,500, Deduct</i>	-0.92	
			<i>For >3,500, Deduct</i>	-1.15	
09 68 16 00-0010	SY		3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.44	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.13	
			<i>For >400 To 600, Deduct</i>	-0.19	
			<i>For >600 To 900, Deduct</i>	-0.40	
			<i>For >900 To 1,500, Deduct</i>	-0.60	
			<i>For >1,500 To 2,200, Deduct</i>	-0.90	
			<i>For >2,200 To 3,500, Deduct</i>	-1.18	
			<i>For >3,500, Deduct</i>	-1.47	
09 68 16 00-0011	SY		7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.44	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.13	
			<i>For >400 To 600, Deduct</i>	-0.19	
			<i>For >600 To 900, Deduct</i>	-0.40	
			<i>For >900 To 1,500, Deduct</i>	-0.60	
			<i>For >1,500 To 2,200, Deduct</i>	-0.90	
			<i>For >2,200 To 3,500, Deduct</i>	-1.18	
			<i>For >3,500, Deduct</i>	-1.47	
09 68 16 00-0012	SY		7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.44	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.13	
			<i>For >400 To 600, Deduct</i>	-0.19	
			<i>For >600 To 900, Deduct</i>	-0.40	
			<i>For >900 To 1,500, Deduct</i>	-0.60	
			<i>For >1,500 To 2,200, Deduct</i>	-0.90	
			<i>For >2,200 To 3,500, Deduct</i>	-1.18	
			<i>For >3,500, Deduct</i>	-1.47	
09 68 16 00-0013	SY		7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.69	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.15	
			<i>For >400 To 600, Deduct</i>	-0.23	
			<i>For >600 To 900, Deduct</i>	-0.46	
			<i>For >900 To 1,500, Deduct</i>	-0.69	
			<i>For >1,500 To 2,200, Deduct</i>	-1.02	
			<i>For >2,200 To 3,500, Deduct</i>	-1.34	
			<i>For >3,500, Deduct</i>	-1.66	
09 68 16 00-0014	SY		1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.32	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.13	
			<i>For >400 To 600, Deduct</i>	-0.19	
			<i>For >600 To 900, Deduct</i>	-0.39	
			<i>For >900 To 1,500, Deduct</i>	-0.59	
			<i>For >1,500 To 2,200, Deduct</i>	-0.88	
			<i>For >2,200 To 3,500, Deduct</i>	-1.17	
			<i>For >3,500, Deduct</i>	-1.45	
09 68 16 00-0015	SY		1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	11.73	3.28
			<i>For Up To 15, Add</i>	0.99	
			<i>For >15 To 33, Add</i>	0.50	
			<i>For >200 To 400, Deduct</i>	-0.14	
			<i>For >400 To 600, Deduct</i>	-0.20	
			<i>For >600 To 900, Deduct</i>	-0.41	
			<i>For >900 To 1,500, Deduct</i>	-0.62	
			<i>For >1,500 To 2,200, Deduct</i>	-0.93	
			<i>For >2,200 To 3,500, Deduct</i>	-1.22	
			<i>For >3,500, Deduct</i>	-1.51	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0016 SY 1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	13.21	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.17	
For >400 To 600, Deduct	-0.25	
For >600 To 900, Deduct	-0.49	
For >900 To 1,500, Deduct	-0.73	
For >1,500 To 2,200, Deduct	-1.07	
For >2,200 To 3,500, Deduct	-1.40	
For >3,500, Deduct	-1.73	
09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0018 SY 0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	19.02	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.28	
For >400 To 600, Deduct	-0.42	
For >600 To 900, Deduct	-0.78	
For >900 To 1,500, Deduct	-1.13	
For >1,500 To 2,200, Deduct	-1.65	
For >2,200 To 3,500, Deduct	-2.13	
For >3,500, Deduct	-2.61	
09 68 16 00-0019 SY 0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	21.20	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.33	
For >400 To 600, Deduct	-0.49	
For >600 To 900, Deduct	-0.89	
For >900 To 1,500, Deduct	-1.29	
For >1,500 To 2,200, Deduct	-1.87	
For >2,200 To 3,500, Deduct	-2.40	
For >3,500, Deduct	-2.93	
09 68 16 00-0020 SY 0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	22.88	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.36	
For >400 To 600, Deduct	-0.54	
For >600 To 900, Deduct	-0.97	
For >900 To 1,500, Deduct	-1.40	
For >1,500 To 2,200, Deduct	-2.04	
For >2,200 To 3,500, Deduct	-2.61	
For >3,500, Deduct	-3.18	
09 68 16 00-0021 Waffle Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0022 SY 3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding	21.79	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.34	
For >400 To 600, Deduct	-0.51	
For >600 To 900, Deduct	-0.92	
For >900 To 1,500, Deduct	-1.33	
For >1,500 To 2,200, Deduct	-1.93	
For >2,200 To 3,500, Deduct	-2.48	
For >3,500, Deduct	-3.02	
09 68 16 00-0023 Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0024 SY 0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding	13.33	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.17	
For >400 To 600, Deduct	-0.25	
For >600 To 900, Deduct	-0.49	
For >900 To 1,500, Deduct	-0.74	
For >1,500 To 2,200, Deduct	-1.09	
For >2,200 To 3,500, Deduct	-1.42	
For >3,500, Deduct	-1.75	
09 68 16 00-0025 SY 0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding	14.23	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.19	
For >400 To 600, Deduct	-0.28	
For >600 To 900, Deduct	-0.54	
For >900 To 1,500, Deduct	-0.80	
For >1,500 To 2,200, Deduct	-1.18	
For >2,200 To 3,500, Deduct	-1.53	
For >3,500, Deduct	-1.89	

09	09 Finishes
	09 60 Flooring
	09 68 Carpeting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0026 SY 0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding.....	14.89	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.20	
For >400 To 600, Deduct	-0.30	
For >600 To 900, Deduct	-0.57	
For >900 To 1,500, Deduct	-0.84	
For >1,500 To 2,200, Deduct	-1.24	
For >2,200 To 3,500, Deduct	-1.61	
For >3,500, Deduct	-1.99	
09 68 16 00-0027 SY 0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	16.95	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.24	
For >400 To 600, Deduct	-0.36	
For >600 To 900, Deduct	-0.67	
For >900 To 1,500, Deduct	-0.99	
For >1,500 To 2,200, Deduct	-1.45	
For >2,200 To 3,500, Deduct	-1.87	
For >3,500, Deduct	-2.30	
09 68 16 00-0028 SY 0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	17.13	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.24	
For >400 To 600, Deduct	-0.37	
For >600 To 900, Deduct	-0.68	
For >900 To 1,500, Deduct	-1.00	
For >1,500 To 2,200, Deduct	-1.47	
For >2,200 To 3,500, Deduct	-1.89	
For >3,500, Deduct	-2.32	
09 68 16 00-0029 Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0030 SY 0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	6.68	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.03	
For >400 To 600, Deduct	-0.05	
For >600 To 900, Deduct	-0.16	
For >900 To 1,500, Deduct	-0.27	
For >1,500 To 2,200, Deduct	-0.42	
For >2,200 To 3,500, Deduct	-0.59	
For >3,500, Deduct	-0.75	
09 68 16 00-0031 SY 0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	8.05	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.06	
For >400 To 600, Deduct	-0.09	
For >600 To 900, Deduct	-0.23	
For >900 To 1,500, Deduct	-0.37	
For >1,500 To 2,200, Deduct	-0.56	
For >2,200 To 3,500, Deduct	-0.76	
For >3,500, Deduct	-0.96	
09 68 16 00-0032 SY 0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	7.42	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.07	
For >600 To 900, Deduct	-0.20	
For >900 To 1,500, Deduct	-0.32	
For >1,500 To 2,200, Deduct	-0.49	
For >2,200 To 3,500, Deduct	-0.68	
For >3,500, Deduct	-0.87	
09 68 16 00-0033 SY 0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	7.66	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.05	
For >400 To 600, Deduct	-0.08	
For >600 To 900, Deduct	-0.21	
For >900 To 1,500, Deduct	-0.34	
For >1,500 To 2,200, Deduct	-0.52	
For >2,200 To 3,500, Deduct	-0.71	
For >3,500, Deduct	-0.90	
09 68 16 00-0034 SY 0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	9.06	3.28
For Up To 15, Add	0.99	
For >15 To 33, Add	0.50	
For >200 To 400, Deduct	-0.08	
For >400 To 600, Deduct	-0.12	
For >600 To 900, Deduct	-0.28	
For >900 To 1,500, Deduct	-0.44	
For >1,500 To 2,200, Deduct	-0.66	
For >2,200 To 3,500, Deduct	-0.89	
For >3,500, Deduct	-1.11	

09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)



	Finishes	09	
	Flooring	09 60	09
	Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0036	SY		0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding	9.49	3.28
			For Up To 15, Add	0.99	
			For >15 To 33, Add	0.50	
			For >200 To 400, Deduct	-0.09	
			For >400 To 600, Deduct	-0.14	
			For >600 To 900, Deduct	-0.30	
			For >900 To 1,500, Deduct	-0.47	
			For >1,500 To 2,200, Deduct	-0.70	
			For >2,200 To 3,500, Deduct	-0.94	
			For >3,500, Deduct	-1.18	
09 68 16 00-0037	SY		0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding	10.58	3.28
			For Up To 15, Add	0.99	
			For >15 To 33, Add	0.50	
			For >200 To 400, Deduct	-0.11	
			For >400 To 600, Deduct	-0.17	
			For >600 To 900, Deduct	-0.36	
			For >900 To 1,500, Deduct	-0.54	
			For >1,500 To 2,200, Deduct	-0.81	
			For >2,200 To 3,500, Deduct	-1.08	
			For >3,500, Deduct	-1.34	
09 68 16 00-0038			Residential Broadloom Carpet <small>(09 68 16)</small>		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	42.44	8.72
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.76	
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.40	
			For >400 To 600, Deduct	-0.60	
			For >600 To 900, Deduct	-1.34	
			For >900, Deduct	-2.08	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	47.16	8.72
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.76	
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.50	
			For >400 To 600, Deduct	-0.74	
			For >600 To 900, Deduct	-1.57	
			For >900, Deduct	-2.41	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	53.65	8.72
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.76	
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.63	
			For >400 To 600, Deduct	-0.94	
			For >600 To 900, Deduct	-1.90	
			For >900, Deduct	-2.86	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	60.43	8.72
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.76	
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.24	
			For >900, Deduct	-3.33	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0043	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	61.61	8.72
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.76	
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.78	
			For >400 To 600, Deduct	-1.18	
			For >600 To 900, Deduct	-2.30	
			For >900, Deduct	-3.42	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0044	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	63.74	9.60
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.98	
			For Up To 15, Add	4.78	
			For >15 To 33, Add	2.39	
			For >200 To 400, Deduct	-0.80	
			For >400 To 600, Deduct	-1.20	
			For >600 To 900, Deduct	-2.35	
			For >900, Deduct	-3.51	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0045	SY		48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	65.76	9.60
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.98	
			For Up To 15, Add	4.78	
			For >15 To 33, Add	2.39	
			For >200 To 400, Deduct	-0.84	
			For >400 To 600, Deduct	-1.26	
			For >600 To 900, Deduct	-2.45	
			For >900, Deduct	-3.65	
			For Installation On Stairs, Each Riser, Add	6.00	

09	09 Finishes
	09 60 Flooring
	09 68 Carpeting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0046 SY 50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	70.77	9.60
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.98	
For Up To 15, Add	4.78	
For >15 To 33, Add	2.39	
For >200 To 400, Deduct	-0.94	
For >400 To 600, Deduct	-1.41	
For >600 To 900, Deduct	-2.70	
For >900, Deduct	-4.00	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0047 SY 60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	71.36	9.60
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.98	
For Up To 15, Add	4.78	
For >15 To 33, Add	2.39	
For >200 To 400, Deduct	-0.95	
For >400 To 600, Deduct	-1.42	
For >600 To 900, Deduct	-2.73	
For >900, Deduct	-4.04	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0048 SY 65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	73.72	9.60
For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	3.98	
For Up To 15, Add	4.78	
For >15 To 33, Add	2.39	
For >200 To 400, Deduct	-1.00	
For >400 To 600, Deduct	-1.49	
For >600 To 900, Deduct	-2.85	
For >900, Deduct	-4.20	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0049 Commercial Broadloom Carpet <small>(09 68 16)</small>		
Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0050 Non-Patterned Broadloom Carpet <small>(09 68 16 00-0049)</small>		
09 68 16 00-0051 SY 22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	55.10	31.88
For Up To 15, Add	4.25	
For >15 To 33, Add	2.13	
For >200 To 400, Deduct	-0.68	
For >400 To 600, Deduct	-1.02	
For >600 To 900, Deduct	-2.01	
For >900, Deduct	-3.01	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0052 SY 24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	55.10	31.88
For Up To 15, Add	4.25	
For >15 To 33, Add	2.13	
For >200 To 400, Deduct	-0.68	
For >400 To 600, Deduct	-1.02	
For >600 To 900, Deduct	-2.01	
For >900, Deduct	-3.01	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0053 SY 26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	55.10	31.88
For Up To 15, Add	4.25	
For >15 To 33, Add	2.13	
For >200 To 400, Deduct	-0.68	
For >400 To 600, Deduct	-1.02	
For >600 To 900, Deduct	-2.01	
For >900, Deduct	-3.01	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0054 SY 28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.74	34.54
For Up To 15, Add	4.61	
For >15 To 33, Add	2.30	
For >200 To 400, Deduct	-0.73	
For >400 To 600, Deduct	-1.10	
For >600 To 900, Deduct	-2.18	
For >900, Deduct	-3.26	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0055 SY 30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	60.77	34.54
For Up To 15, Add	4.61	
For >15 To 33, Add	2.30	
For >200 To 400, Deduct	-0.75	
For >400 To 600, Deduct	-1.13	
For >600 To 900, Deduct	-2.23	
For >900, Deduct	-3.33	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	



	Finishes	09	
	Flooring	09 60	09
	Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0056	SY		32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet.....	60.96	34.54
			<i>For Up To 15, Add</i>	4.61	
			<i>For >15 To 33, Add</i>	2.30	
			<i>For >200 To 400, Deduct</i>	-0.76	
			<i>For >400 To 600, Deduct</i>	-1.14	
			<i>For >600 To 900, Deduct</i>	-2.24	
			<i>For >900, Deduct</i>	-3.35	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0057	SY		34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet.....	66.84	37.20
			<i>For Up To 15, Add</i>	4.96	
			<i>For >15 To 33, Add</i>	2.48	
			<i>For >200 To 400, Deduct</i>	-0.84	
			<i>For >400 To 600, Deduct</i>	-1.26	
			<i>For >600 To 900, Deduct</i>	-2.47	
			<i>For >900, Deduct</i>	-3.69	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0058	SY		36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet.....	67.59	37.20
			<i>For Up To 15, Add</i>	4.96	
			<i>For >15 To 33, Add</i>	2.48	
			<i>For >200 To 400, Deduct</i>	-0.86	
			<i>For >400 To 600, Deduct</i>	-1.28	
			<i>For >600 To 900, Deduct</i>	-2.51	
			<i>For >900, Deduct</i>	-3.74	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0059	SY		38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet.....	68.50	37.20
			<i>For Up To 15, Add</i>	4.96	
			<i>For >15 To 33, Add</i>	2.48	
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400 To 600, Deduct</i>	-1.31	
			<i>For >600 To 900, Deduct</i>	-2.56	
			<i>For >900, Deduct</i>	-3.80	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0060			Patterned Broadloom Carpet <small>(09 68 16 00-0049)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0061	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	57.74	31.88
			<i>For Up To 15, Add</i>	4.68	
			<i>For >15 To 33, Add</i>	2.34	
			<i>For >200 To 400, Deduct</i>	-0.69	
			<i>For >400 To 600, Deduct</i>	-1.03	
			<i>For >600 To 900, Deduct</i>	-2.07	
			<i>For >900, Deduct</i>	-3.11	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0062	SY		24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	57.74	31.88
			<i>For Up To 15, Add</i>	4.68	
			<i>For >15 To 33, Add</i>	2.34	
			<i>For >200 To 400, Deduct</i>	-0.69	
			<i>For >400 To 600, Deduct</i>	-1.03	
			<i>For >600 To 900, Deduct</i>	-2.07	
			<i>For >900, Deduct</i>	-3.11	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0063	SY		26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	57.74	31.88
			<i>For Up To 15, Add</i>	4.68	
			<i>For >15 To 33, Add</i>	2.34	
			<i>For >200 To 400, Deduct</i>	-0.69	
			<i>For >400 To 600, Deduct</i>	-1.03	
			<i>For >600 To 900, Deduct</i>	-2.07	
			<i>For >900, Deduct</i>	-3.11	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0064	SY		28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	62.59	34.54
			<i>For Up To 15, Add</i>	5.07	
			<i>For >15 To 33, Add</i>	2.53	
			<i>For >200 To 400, Deduct</i>	-0.75	
			<i>For >400 To 600, Deduct</i>	-1.12	
			<i>For >600 To 900, Deduct</i>	-2.24	
			<i>For >900, Deduct</i>	-3.37	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

09	09 Finishes
	09 60 Flooring
	09 68 Carpeting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0065 SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	63.64	34.54
For Up To 15, Add	5.07	
For >15 To 33, Add	2.53	
For >200 To 400, Deduct	-0.77	
For >400 To 600, Deduct	-1.15	
For >600 To 900, Deduct	-2.30	
For >900, Deduct	-3.44	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0066 SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	63.83	34.54
For Up To 15, Add	5.07	
For >15 To 33, Add	2.53	
For >200 To 400, Deduct	-0.77	
For >400 To 600, Deduct	-1.16	
For >600 To 900, Deduct	-2.30	
For >900, Deduct	-3.45	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0067 SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	69.96	37.20
For Up To 15, Add	5.46	
For >15 To 33, Add	2.73	
For >200 To 400, Deduct	-0.85	
For >400 To 600, Deduct	-1.28	
For >600 To 900, Deduct	-2.54	
For >900, Deduct	-3.81	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0068 SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	70.72	37.20
For Up To 15, Add	5.46	
For >15 To 33, Add	2.73	
For >200 To 400, Deduct	-0.87	
For >400 To 600, Deduct	-1.30	
For >600 To 900, Deduct	-2.58	
For >900, Deduct	-3.86	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0069 SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	71.65	37.20
For Up To 15, Add	5.46	
For >15 To 33, Add	2.73	
For >200 To 400, Deduct	-0.89	
For >400 To 600, Deduct	-1.33	
For >600 To 900, Deduct	-2.63	
For >900, Deduct	-3.92	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0070 Indoor/Outdoor Carpet <small>(09 68 16)</small>		
Note: Includes waterproof glue.		
09 68 16 00-0071 SY Nylon Indoor/Outdoor Carpet.....	56.33	6.54
09 68 16 00-0072 SY Ozite Indoor/Outdoor Carpet.....	43.39	6.54
09 68 16 00-0073 Carpet Accessories <small>(09 68 16)</small>		
09 68 16 00-0074 LF Metal Carpet Saddle Strip, Up To 4" Wide.....	7.87	0.90
09 68 16 00-0075 Removal And Reinstallation Of Carpet And Pad <small>(09 68 16)</small>		
Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0076 SY Removal And Reinstallation Of Carpet And Pad.....	44.85	
09 68 16 00-0077 Carpeting Support Functions <small>(09 68 16)</small>		
09 68 16 00-0078 Relocate Partitions, Modular Work Stations <small>(09 68 16 00-0077)</small>		
Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079 EA Relocate Modular Work Station.....	315.01	
09 68 16 00-0080 Installation Of Owner Provided Broadloom Carpet <small>(09 68 16)</small>		
09 68 16 00-0081 SY Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	18.89	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	3.70	
For >15 To 33, Add	1.85	
09 68 16 00-0082 SY >24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	21.97	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	4.31	
For >15 To 33, Add	2.16	



		Finishes	09
		Flooring	09 60
		Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 68 16 00-0083	SY		>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	26.29	
			Note: Includes adhesive for glue-down or tack strip for padded installations.		
			For Up To 15, Add	5.18	
			For >15 To 33, Add	2.59	

09 69 Access Flooring (09 60)

09 69 13 Rigid-Grid Access Flooring (09 69)

09 69 13 00-0001 Panels, No Covering (09 69 13)

09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors.....	21.08	0.90
		For Carpet Covering, Add	2.77	
		For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	40.42	0.90
		For Carpet Covering, Add	2.77	
		For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	37.60	0.99
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	37.60	0.99
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moodance 6808.....	37.60	0.99
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	37.60	0.99
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	35.50	0.99
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	35.50	0.99
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	40.21	0.99
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	40.21	0.99
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808.....	40.21	0.99
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	40.21	0.99
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	38.12	0.99
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	38.12	0.99
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	48.52	0.99
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	48.52	0.99

09 69 13 00-0018 Pedestals (09 69 13)

09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly.....	42.24	4.50
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly.....	44.85	4.50
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly.....	46.16	4.50
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly.....	50.90	4.50

09 69 13 00-0023 Stringers (09 69 13)

09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors.....	20.06	5.40
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors.....	35.84	8.10
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors.....	56.15	13.50

09 69 13 00-0027 Understructure (09 69 13)

09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	9.44	1.35
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09 69 53 Access Flooring Accessories (09 69)

09 69 53 00-0001 Accessories (09 69 53)

09 69 53 00-0002	LF	Accessories, Handrail Access And Pedestal Floors	74.71	6.30
09 69 53 00-0003	LF	Accessories, Fascia Plate Access And Pedestal Floors	27.66	6.30
09 69 53 00-0004	EA	Machine Cutouts.....	228.20	
09 69 53 00-0005	SF	Hammered Aluminum Finish Fascia.....	52.72	2.97
		Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0006	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	48.95	
09 69 53 00-0007	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	48.95	
09 69 53 00-0008	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4.....	237.82	11.25
09 69 53 00-0009	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	163.10	11.25
		Note: Includes cut hole.		
09 69 53 00-0010	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	237.82	11.25
09 69 53 00-0011	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	127.10	1.80

09 69 53 00-0012 Final Cleaning For Computer Room Raised Floor System (09 69 53)

		Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	3.27	
09 69 53 00-0014	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	3.43	
09 69 53 00-0015	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	3.38	

09 70 Wall Finishes (09)

09 72 Wall Coverings (09 70)

09 72 13 Cork Wall Coverings (09 72)

09 72 13 00-0001 Cork Wall Covering (09 72 13)

09	09 Finishes
	09 70 Wall Finishes
	09 72 Wall Coverings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 72 13 00-0002 SF 1/8" Cork Wall Covering.....	5.63	1.04
09 72 13 00-0003 SF 1/4" Cork Wall Covering.....	6.67	1.04
09 72 13 00-0004 SF 1/2" Cork Wall Covering.....	7.51	1.04
09 72 13 00-0005 SF 3/4" Cork Wall Covering.....	9.96	1.04
09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)		
09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)		
09 72 16 13-0001 Vinyl Wall Coverings (09 72 16 13)		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002 SF 7-10 Oz/SY Vinyl Wall Covering	3.70	1.04
<i>For Owner Furnished Material, Deduct</i>		
	-2.06	
09 72 16 13-0003 SF 11-14 Oz/SY Vinyl Wall Covering	4.75	1.04
<i>For Owner Furnished Material, Deduct</i>		
	-3.00	
09 72 16 13-0004 SF 15-19 Oz/SY Vinyl Wall Covering	5.51	1.04
<i>For Owner Furnished Material, Deduct</i>		
	-3.76	
09 72 16 13-0005 SF 20 To 25 Ounces/SY Vinyl Wall Covering.....	6.53	1.04
<i>For Owner Furnished Material, Deduct</i>		
	-4.34	
09 72 16 13-0006 SF 26-32 Oz/SY Vinyl Wall Covering	7.56	1.04
<i>For Owner Furnished Material, Deduct</i>		
	-5.28	
09 72 16 13-0007 SF 33-38 Oz/SY Vinyl Wall Covering	9.05	1.04
<i>For Owner Furnished Material, Deduct</i>		
	-6.67	
09 72 23 Wallpapering (09 72)		
09 72 23 00-0001 Wallpaper Coverings (09 72 23)		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002 SF Average Quality Wallpaper (Standard Grade)	2.23	1.40
09 72 23 00-0003 SF High Quality Wallpaper (Designer Grade).....	4.17	1.79
09 72 23 00-0004 SF Textured Paintable Paper Installed On Ceiling	3.83	2.62
09 73 Wall Carpeting (09 70)		
09 73 00 00-0001 Carpet Wall Covering (09 73)		
09 73 00 00-0002 SY 28 Ounce, Nylon Carpet Wall Covering	59.01	35.40
09 73 00 00-0003 SY 32 Ounce, Nylon Carpet Wall Covering	60.24	35.40
09 73 00 00-0004 SY 34 Ounce, Nylon Carpet Wall Covering	65.35	38.12
09 73 00 00-0005 SY 35 Ounce, Nylon Carpet Wall Covering	69.16	38.12
09 73 00 00-0006 SY 36 Ounce, Nylon Carpet Wall Covering	73.08	38.12
09 73 00 00-0007 SY 38 Ounce, Nylon Carpet Wall Covering	74.56	38.12
09 73 00 00-0008 SY 40 Ounce, Nylon Carpet Wall Covering	77.48	41.17
09 73 00 00-0009 SY 42 Ounce, Nylon Carpet Wall Covering	80.64	41.17
09 74 Flexible Wood Sheets (09 70)		
09 74 16 Flexible Wood Veneers (09 74)		
09 74 16 00-0001 Flexible Wood Veneer (09 74 16)		
09 74 16 00-0002 SF 1/32" Thick, Flexible Maple Wood Veneer	11.41	4.20
09 74 16 00-0003 SF 1/32" Thick, Flexible Oak Wood Veneer	11.60	4.20
09 74 16 00-0004 SF 1/32" Thick, Flexible Mahogany Wood Veneer	11.60	4.20
09 74 16 00-0005 SF 1/32" Thick, Flexible Birch Wood Veneer.....	11.79	4.20
09 74 16 00-0006 SF 1/32" Thick, Flexible Walnut Wood Veneer.....	12.74	4.20
09 74 16 00-0007 SF 1/32" Thick, Flexible Bamboo Wood Veneer.....	13.88	4.20
09 74 16 00-0008 SF 1/32" Thick, Flexible Fir Wood Veneer.....	15.20	4.20
09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)		
09 74 16 00-0010 SF 1/32" Thick, Flexible Exotic Wood Veneer	18.49	4.20
09 77 Special Wall Surfacing (09 70)		
09 77 11 Special Wall Panels (09 77)		
09 77 11 00-0001 Corian Wall Panels (09 77 11)		
09 77 11 00-0002 Wall Panels (09 77 11 00-0001)		
09 77 11 00-0003 SF 1/4" Corian Wall Panels, Sea Grass	45.61	6.38
<i>For >500, Deduct</i>		
	3.28	
09 77 11 00-0004 SF 1/4" Corian Wall Panels, Aqua.....	54.65	6.38
<i>For >500, Deduct</i>		
	4.19	
09 77 11 00-0005 SF 1/4" Corian Wall Panels, Everest.....	58.37	6.38
<i>For >500, Deduct</i>		
	4.56	



Finishes	09	09
Wall Finishes	09 70	
Special Wall Surfacing	09 77	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 77 11 00-0006	Corian Corner Guards For Wall Panels (09 77 11 00-0001)		
09 77 11 00-0007 SF	1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	125.34	5.11
09 77 11 00-0008 SF	1/2" Curved Corner Guard For Corian Wall Panels, Aqua	135.34	5.11
09 77 11 00-0009 SF	1/2" Curved Corner Guard For Corian Wall Panels, Everest	122.37	5.11

09 78 Interior Wall Paneling (09 70)

09 78 13 Metal Interior Wall Paneling (09 78)

09 78 13 00-0001 Stainless Steel Wall Base (09 78 13)

Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base (09 78 13 00-0001)

09 78 13 00-0003 LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	12.47	2.88
09 78 13 00-0004 LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	18.25	3.16
09 78 13 00-0005 LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	20.27	3.16
09 78 13 00-0006 LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	24.28	3.44
09 78 13 00-0007 LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	30.31	3.82
09 78 13 00-0008 LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	13.97	2.88
09 78 13 00-0009 LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	19.67	3.16
09 78 13 00-0010 LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	21.67	3.16
09 78 13 00-0011 LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	25.49	3.44
09 78 13 00-0012 LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	31.54	3.82
09 78 13 00-0013 EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	34.03	5.74
09 78 13 00-0014 EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	42.96	6.32
09 78 13 00-0015 EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	46.00	6.32
09 78 13 00-0016 EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	52.00	6.89
09 78 13 00-0017 EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	61.42	7.66
09 78 13 00-0018 EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	68.71	5.74
09 78 13 00-0019 EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	77.74	6.32
09 78 13 00-0020 EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	80.68	6.32
09 78 13 00-0021 EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	86.78	6.89
09 78 13 00-0022 EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	96.20	7.66
09 78 13 00-0023 EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	34.03	5.74
09 78 13 00-0024 EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	42.96	6.32
09 78 13 00-0025 EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	46.00	6.32
09 78 13 00-0026 EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	52.00	6.89
09 78 13 00-0027 EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	61.42	7.66
09 78 13 00-0028 EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	82.66	5.74
09 78 13 00-0029 EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	91.60	6.32
09 78 13 00-0030 EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	94.63	6.32
09 78 13 00-0031 EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	100.63	6.89
09 78 13 00-0032 EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	110.05	7.66

09 78 13 00-0033 16 Gauge Stainless Steel Wall Base (09 78 13 00-0001)

09 78 13 00-0034 LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	21.13	2.88
09 78 13 00-0035 LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	35.64	3.16
09 78 13 00-0036 LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	40.82	3.16
09 78 13 00-0037 LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	50.08	3.44
09 78 13 00-0038 LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	66.51	3.82
09 78 13 00-0039 LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	22.52	2.88
09 78 13 00-0040 LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	37.00	3.16
09 78 13 00-0041 LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	41.81	3.16
09 78 13 00-0042 LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	51.48	3.44
09 78 13 00-0043 LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	66.14	3.82
09 78 13 00-0044 EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	46.97	5.74
09 78 13 00-0045 EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	68.95	6.32
09 78 13 00-0046 EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	76.63	6.32
09 78 13 00-0047 EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	90.93	6.89
09 78 13 00-0048 EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	113.39	7.66
09 78 13 00-0049 EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	81.71	5.74
09 78 13 00-0050 EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	103.69	6.32
09 78 13 00-0051 EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	111.52	6.32
09 78 13 00-0052 EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	125.71	6.89
09 78 13 00-0053 EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	148.07	7.66
09 78 13 00-0054 EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	46.97	5.74
09 78 13 00-0055 EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	68.95	6.32
09 78 13 00-0056 EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	76.63	6.32
09 78 13 00-0057 EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	90.93	6.89
09 78 13 00-0058 EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	113.39	7.66
09 78 13 00-0059 EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	95.60	5.74
09 78 13 00-0060 EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	117.58	6.32
09 78 13 00-0061 EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	125.43	6.32
09 78 13 00-0062 EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	139.62	6.89
09 78 13 00-0063 EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	162.02	7.66

09 80 Acoustic Treatment (09)

09	Finishes
09 80	Acoustic Treatment
09 81	Acoustic Insulation



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 81 Acoustic Insulation (09 80)

09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001	Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16)</small>		
	Note: Mineral wool		
09 81 16 00-0002	2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16 00-0001)</small>		
09 81 16 00-0003	SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.17	0.38
09 81 16 00-0004	SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.33	0.38
09 81 16 00-0005	SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.56	0.38
09 81 16 00-0006	SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.73	0.38
09 81 16 00-0007	SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.96	0.38
09 81 16 00-0008	SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.18	0.38
09 81 16 00-0009	SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.47	0.38
09 81 16 00-0010	SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.80	0.38

09 81 16 00-0011	4 PCF Density, Sound Attenuation Fire Blankets (SAFB) <small>(09 81 16 00-0001)</small>		
09 81 16 00-0012	SF 1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.13	0.38

09 81 16 00-0013	Sound Attenuation Batts <small>(09 81 16)</small>		
	Note: NoiseReducer® by Certaineed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014	SF 2-1/2" Thick, Unfaced Sound Attenuation Batt	1.22	0.51
09 81 16 00-0015	SF 3-1/2" Thick, Unfaced Sound Attenuation Batt	1.28	0.51
09 81 16 00-0016	SF 3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.51	0.51
09 81 16 00-0017	SF 5-1/2" Thick, Unfaced Sound Attenuation Batt	1.67	0.51
09 81 16 00-0018	SF 5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.73	0.51
09 81 16 00-0019	SF 6-1/4" Thick, Unfaced Sound Attenuation Batt	1.71	0.51
09 81 16 00-0020	SF 6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.77	0.51

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001	Sound Absorbing Panels And Attenuation Blankets <small>(09 84 13)</small>		
	Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.		
09 84 13 00-0002	SF 3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	13.30	2.55
09 84 13 00-0003	SF 1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	19.61	2.55

09 84 13 00-0004	Sound Absorbing Acoustical Wall Panel System <small>(09 84 13)</small>		
	See CSI section 06 11 16 00-0211 for wood furring.		

09 84 13 00-0005	Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System <small>(09 84 13 00-0004)</small>		
	Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0006	SF 5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	15.21	2.87
09 84 13 00-0007	SF 3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	14.09	2.87
09 84 13 00-0008	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	17.62	2.87
09 84 13 00-0009	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	17.65	2.87
09 84 13 00-0010	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	19.44	2.87
09 84 13 00-0011	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	19.44	2.87

09 84 13 00-0012	Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System <small>(09 84 13 00-0004)</small>		
	Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF 1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	17.67	2.87
09 84 13 00-0014	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	20.58	2.87
09 84 13 00-0015	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	20.58	2.87
09 84 13 00-0016	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	23.49	2.87
09 84 13 00-0017	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	23.49	2.87

09 84 13 00-0018	Sound Absorbing Panel, Eggcrate Style <small>(09 84 13)</small>		
	Note: Ceiling or wall hung back.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0019	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	11.93	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0020	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	15.60	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0021	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	20.15	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0022	SF		2" Thick Melamine Sound Wave (Eggcrate Style)	15.22	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	2.05	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02	
09 84 13 00-0023	SF		3" Thick Melamine Sound Wave (Eggcrate Style)	28.94	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0024	SF		4" Thick Melamine Sound Wave (Eggcrate Style)	36.79	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0025			Sound Deadening Fiberboard <small>(09 84 13)</small>		
09 84 13 00-0026	SF		1/2" Sound Deadening Fiberboard	1.70	0.64
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.39	
			<i>For Horizontal Installation >10' High, Add</i>	0.58	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.57	
			<i>For >128 To 320, Add</i>	0.34	

09 90 Painting and Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting (09 90)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)

09 91 13 00-0002 Paint Exterior Brick Walls (09 91 13 00-0001)

09 91 13 00-0003	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.29	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.18	
			<i>For >100 To 250, Add</i>	0.09	
			<i>For >250 To 500, Add</i>	0.04	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.04	
			<i>For >20,000, Deduct</i>	-0.06	
09 91 13 00-0004	SF		1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	1.27	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.25	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0005	SF 1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.76	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.35	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.55	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.76	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.09	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0006	SF 2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	2.63	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.47	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.51	
	For >100 To 250, Add	0.73	
	For >250 To 500, Add	0.32	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 20,000, Deduct	-0.39	
	For >20,000, Deduct	-0.53	
09 91 13 00-0007	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.89	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 13 00-0008	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.44	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.79	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 91 13 00-0009	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	2.18	
	For Oil Based Paint, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 20,000, Deduct	-0.33	
	For >20,000, Deduct	-0.44	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0010 SF 1 Coat Filler, Sprayed, Paint Exterior Brick Walls.....	0.83	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0011 SF 1 Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.90	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0012 SF 2 Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.83	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.37	
09 91 13 00-0013 Paint Exterior Concrete Walls (09 91 13 00-0001)	0.19	
09 91 13 00-0014 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls.....	0.19	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0015	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.06	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0016	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.14	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 13 00-0017	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	2.15	
	For Oil Based Paint, Add	0.13	
	For Epoxy Paint, Add	0.24	
	For Work >15' To 20' Above Floor, Add	0.26	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.43	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.68	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.94	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.35	
	For >100 To 250, Add	0.64	
	For >250 To 500, Add	0.28	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.43	
09 91 13 00-0018	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.88	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0019 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.96	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0020 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.66	
For Oil Based Paint, Add	0.11	
For Epoxy Paint, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0021 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.75	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0022 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.66	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0023	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Walls 1.20		
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.23	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 13 00-0024			Paint Exterior Concrete Block Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0025			Paint Exterior Concrete Block Walls, Epoxy Paint <small>(09 91 13 00-0024)</small>		
09 91 13 00-0026	LF		1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls..... 0.27		
			<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.15	
			<i>For >100 To 250, Add</i>	0.07	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.04	
			<i>For >20,000, Deduct</i>	-0.05	
09 91 13 00-0027	SF		1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls..... 1.53		
			<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.85	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.31	
09 91 13 00-0028	SF		1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls 1.73		
			<i>For Work >15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.68	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 250, Add</i>	0.48	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 20,000, Deduct</i>	-0.26	
			<i>For >20,000, Deduct</i>	-0.35	
09 91 13 00-0029	SF		2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls 3.06		
			<i>For Work >15' To 20' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.83	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.14	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.71	
			<i>For >100 To 250, Add</i>	0.83	
			<i>For >250 To 500, Add</i>	0.36	
			<i>For >2,500 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000 To 10,000, Deduct</i>	-0.31	
			<i>For >10,000 To 20,000, Deduct</i>	-0.46	
			<i>For >20,000, Deduct</i>	-0.61	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0030 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.28	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0031 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.41	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0032 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.53	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.85	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.31	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.51	
09 91 13 00-0033 SF 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	1.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0034 SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.13	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09	Finishes
09 90	Painting and Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	2.22	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.91	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.22	
			<i>For >10,000 To 20,000, Deduct</i>	-0.33	
			<i>For >20,000, Deduct</i>	-0.44	
09 91	13 00-0036		Paint Exterior Concrete Block Walls, Acrylic Latex Paint <small>(09 91 13 00-0024)</small>	0.26	
09 91	13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.02	
			<i>For Oil Based Paint, Add</i>	0.02	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.15	
			<i>For >100 To 250, Add</i>	0.07	
			<i>For >250 To 500, Add</i>	0.03	
			<i>For >2,500 To 5,000, Deduct</i>	-0.01	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.04	
			<i>For >20,000, Deduct</i>	-0.05	
09 91	13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.37	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.83	
			<i>For >100 To 250, Add</i>	0.40	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.27	
09 91	13 00-0039	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.64	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.66	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.97	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.25	
			<i>For >20,000, Deduct</i>	-0.33	
09 91	13 00-0040	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	3.01	
			<i>For Oil Based Paint, Add</i>	0.19	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.85	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.17	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.73	
			<i>For >100 To 250, Add</i>	0.83	
			<i>For >250 To 500, Add</i>	0.36	
			<i>For >2,500 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000 To 10,000, Deduct</i>	-0.30	
			<i>For >10,000 To 20,000, Deduct</i>	-0.45	
			<i>For >20,000, Deduct</i>	-0.60	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0041 SF 1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.81	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 13 00-0042 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.10	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0043 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.41	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0044 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	2.47	
For Oil Based Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.87	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.32	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.49	
09 91 13 00-0045 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.58	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.60	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0046	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	1.03	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 13 00-0047	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	
09 91 13 00-0048	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.65	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.54	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 250, Add</i>	0.41	
			<i>For >250 To 500, Add</i>	0.18	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 20,000, Deduct</i>	-0.25	
			<i>For >20,000, Deduct</i>	-0.33	
09 91 13 00-0049	SF		1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.41	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0051 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls.....	0.20	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
For Epoxy Paint, Add	0.02	
09 91 13 00-0052 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	1.09	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
For Epoxy Paint, Add	0.14	
09 91 13 00-0053 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.17	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
For Epoxy Paint, Add	0.12	
09 91 13 00-0054 SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	2.15	
For Oil Based Paint, Add	0.13	
For Orange Peel Finish, Add	0.29	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
For Epoxy Paint, Add	0.24	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0055	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Orange Peel Finish, Add</i>	0.11	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0056	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.87	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Orange Peel Finish, Add</i>	0.12	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
			<i>For Epoxy Paint, Add</i>	0.11	
09 91 13 00-0057	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	1.63	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Orange Peel Finish, Add</i>	0.22	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.65	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.96	
			<i>For >100 To 250, Add</i>	0.46	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.24	
			<i>For >20,000, Deduct</i>	-0.33	
			<i>For Epoxy Paint, Add</i>	0.21	
09 91 13 00-0058	SF		1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.74	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
			<i>For Epoxy Paint, Add</i>	0.14	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0059 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.77	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.12	
09 91 13 00-0060 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	1.29	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
For Epoxy Paint, Add	0.23	
09 91 13 00-0061 Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0062 Paint Exterior Galvanized Walls (09 91 13 00-0061)		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0063 SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.39	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0064 SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.52	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0065	SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.78	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.47	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.53	
	For >100 To 250, Add	0.74	
	For >250 To 500, Add	0.33	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 20,000, Deduct	-0.42	
	For >20,000, Deduct	-0.56	
09 91 13 00-0066	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.04	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.55	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0067	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.19	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 13 00-0068	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	2.26	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.59	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.81	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.22	
	For >100 To 250, Add	0.59	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.34	
	For >20,000, Deduct	-0.45	
09 91 13 00-0069	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.90	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.15	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.20	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0070 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.12	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0071 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.94	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0061)		
Note: Alkyd enamel paint.		
09 91 13 00-0073 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.39	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0074 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.52	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0075 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	2.77	
For Work >15' To 20' Above Floor, Add	0.28	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.47	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.74	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.02	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.53	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.42	
For >20,000, Deduct	-0.55	



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0076	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.19	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 13 00-0077	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.32	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 91 13 00-0078	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	2.53	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.59	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.81	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.26	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.51	
09 91 13 00-0079	SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.97	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.19	
09 91 13 00-0080	SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.12	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0081 SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.94	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0061)		
09 91 13 00-0083 LF 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	15.80	
For Work >15' To 20' Above Floor, Add	1.97	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	3.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	5.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	7.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	10.27	
For >100 To 250, Add	4.87	
For >250 To 500, Add	2.11	
For >2,500 To 5,000, Deduct	-0.79	
For >5,000 To 10,000, Deduct	-1.58	
For >10,000 To 20,000, Deduct	-2.37	
For >20,000, Deduct	-3.16	
09 91 13 00-0084 LF 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	17.60	
For Work >15' To 20' Above Floor, Add	2.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	3.66	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	5.85	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	8.05	
Note: Applied only to work area above 40'.		
For Up To 100, Add	11.42	
For >100 To 250, Add	5.42	
For >250 To 500, Add	2.34	
For >2,500 To 5,000, Deduct	-0.88	
For >5,000 To 10,000, Deduct	-1.76	
For >10,000 To 20,000, Deduct	-2.64	
For >20,000, Deduct	-3.52	
09 91 13 00-0085 LF 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	32.77	
For Work >15' To 20' Above Floor, Add	4.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	6.87	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	11.00	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	15.12	
Note: Applied only to work area above 40'.		
For Up To 100, Add	21.41	
For >100 To 250, Add	10.15	
For >250 To 500, Add	4.39	
For >2,500 To 5,000, Deduct	-1.64	
For >5,000 To 10,000, Deduct	-3.28	
For >10,000 To 20,000, Deduct	-4.92	
For >20,000, Deduct	-6.55	
09 91 13 00-0086 Paint Exterior Corrugated Metal Walls (09 91 13 00-0061)		



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0087	SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.10	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 13 00-0088	SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.39	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 13 00-0089	SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	2.39	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.07	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.36	
	For >20,000, Deduct	-0.48	
09 91 13 00-0090	Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0091	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces.....	0.32	
	For Oil Based Paint, Add	0.02	
	For Work >15' To 20' Above Floor, Add	0.04	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.07	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.10	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.14	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.20	
	For >100 To 250, Add	0.10	
	For >250 To 500, Add	0.04	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.06	
09 91 13 00-0092	SF 1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.80	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.59	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.81	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.15	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.36	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0093 SF 1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.98	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.88	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.26	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0094 SF 2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	3.69	
For Oil Based Paint, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.44	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.73	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.31	
For >100 To 250, Add	1.10	
For >250 To 500, Add	0.48	
For >2,500 To 5,000, Deduct	-0.18	
For >5,000 To 10,000, Deduct	-0.37	
For >10,000 To 20,000, Deduct	-0.55	
For >20,000, Deduct	-0.74	
09 91 13 00-0095 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.39	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0096 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.57	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 13 00-0097 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	2.91	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.32	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.54	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.86	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.72	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.44	
For >20,000, Deduct	-0.58	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0098	SF 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	1.00	
	<i>For Oil Based Paint, Add</i>	0.07	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.52	
	<i>For >100 To 250, Add</i>	0.26	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.15	
	<i>For >20,000, Deduct</i>	-0.20	
09 91 13 00-0099	SF 1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.23	
	<i>For Oil Based Paint, Add</i>	0.09	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.41	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.63	
	<i>For >100 To 250, Add</i>	0.31	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.12	
	<i>For >10,000 To 20,000, Deduct</i>	-0.18	
	<i>For >20,000, Deduct</i>	-0.25	
09 91 13 00-0100	SF 2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.36	
	<i>For Oil Based Paint, Add</i>	0.16	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.37	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.59	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.81	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.24	
	<i>For >100 To 250, Add</i>	0.61	
	<i>For >250 To 500, Add</i>	0.27	
	<i>For >2,500 To 5,000, Deduct</i>	-0.12	
	<i>For >5,000 To 10,000, Deduct</i>	-0.24	
	<i>For >10,000 To 20,000, Deduct</i>	-0.35	
	<i>For >20,000, Deduct</i>	-0.47	
09 91 13 00-0101	Paint Exterior Wood Siding <small>(09 91 13 00-0001)</small>		
09 91 13 00-0102	Paint Exterior Smooth Wood Siding <small>(09 91 13 00-0101)</small>		
	<i>Note: Includes tongue and groove, beveled, drop or board and batten siding.</i>		
09 91 13 00-0103	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.26	
	<i>For Oil Based Paint, Add</i>	0.02	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.17	
	<i>For >100 To 250, Add</i>	0.08	
	<i>For >250 To 500, Add</i>	0.03	
	<i>For >2,500 To 5,000, Deduct</i>	-0.01	
	<i>For >5,000 To 10,000, Deduct</i>	-0.03	
	<i>For >10,000 To 20,000, Deduct</i>	-0.04	
	<i>For >20,000, Deduct</i>	-0.05	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0104 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	1.54	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0105 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.60	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0106 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	2.89	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.56	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.89	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.77	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000, Deduct	-0.58	
09 91 13 00-0107 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.24	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0108 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.34	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

09	09 Finishes
	09 90 Painting and Coating
	09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0109 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.53	
For Oil Based Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.97	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.44	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.51	
09 91 13 00-0110 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.97	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0111 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.14	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0112 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.88	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	

09 91 13 00-0113 Paint Exterior Rough Wood Siding (09 91 13 00-0101)
 Note: Includes shingles, shakes or rough sawn siding.



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0114 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.04	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.88	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 13 00-0115 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	2.01	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0116 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	3.71	
For Oil Based Paint, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.46	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.76	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.39	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
For >2,500 To 5,000, Deduct	-0.19	
For >5,000 To 10,000, Deduct	-0.37	
For >10,000 To 20,000, Deduct	-0.56	
For >20,000, Deduct	-0.74	
09 91 13 00-0117 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.90	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 13 00-0118 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	2.03	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	3.80	
			<i>For Oil Based Paint, Add</i>	0.26	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.95	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	2.00	
			<i>For >100 To 250, Add</i>	0.98	
			<i>For >250 To 500, Add</i>	0.43	
			<i>For >2,500 To 5,000, Deduct</i>	-0.19	
			<i>For >5,000 To 10,000, Deduct</i>	-0.38	
			<i>For >10,000 To 20,000, Deduct</i>	-0.57	
			<i>For >20,000, Deduct</i>	-0.76	
09 91 13 00-0120	SF		1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.34	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 13 00-0121	SF		1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.48	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 13 00-0122	SF		2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	2.81	
			<i>For Oil Based Paint, Add</i>	0.20	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.64	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.89	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 250, Add</i>	0.68	
			<i>For >250 To 500, Add</i>	0.30	
			<i>For >2,500 To 5,000, Deduct</i>	-0.14	
			<i>For >5,000 To 10,000, Deduct</i>	-0.28	
			<i>For >10,000 To 20,000, Deduct</i>	-0.42	
			<i>For >20,000, Deduct</i>	-0.56	

09 91 13 00-0123 Paint Exterior Vinyl Siding (09 91 13 00-0001)



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0124 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding.....	0.21	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.06	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.08	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 13 00-0125 SF 1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding.....	1.17	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0126 SF 1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding.....	1.29	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0127 SF 2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding.....	2.41	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.87	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.32	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000, Deduct	-0.48	
09 91 13 00-0128 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.10	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0129	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.10	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 13 00-0130	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	2.07	
	For Oil Based Paint, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.02	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.41	
09 91 13 00-0131	SF 1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.99	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0132	SF 1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.15	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 13 00-0133	SF 2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.25	
	For Oil Based Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.34	
	For >20,000, Deduct	-0.45	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0134 Paint Exterior Ceilings <small>(09 91 13)</small>		
09 91 13 00-0135 Paint Exterior Concrete Ceilings <small>(09 91 13 00-0134)</small>		
09 91 13 00-0136 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.21	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.07	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 13 00-0137 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	1.20	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0138 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.28	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0139 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	2.30	
For Oil Based Paint, Add	0.14	
For Epoxy Paint, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.28	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.47	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.74	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.02	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.46	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.46	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0140	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.93	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0141	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.01	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0142	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.91	
	For Oil Based Paint, Add	0.12	
	For Epoxy Paint, Add	0.23	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.59	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.81	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.38	
09 91 13 00-0143	SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.77	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling.....	0.86	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0145 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.43	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.24	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 13 00-0146 Drywall/Plaster (09 91 13 00-0134)		
09 91 13 00-0147 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.21	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.07	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
For Epoxy Paint, Add	0.02	
09 91 13 00-0148 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.21	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.16	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
For Epoxy Paint, Add	0.14	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0149	SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.29	
	For Oil Based Paint, Add	0.08	
	For Orange Peel Finish, Add	0.18	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.26	
	For Epoxy Paint, Add	0.13	
09 91 13 00-0150	SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	2.30	
	For Oil Based Paint, Add	0.14	
	For Orange Peel Finish, Add	0.32	
	For Epoxy Paint, Add	0.25	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.47	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.46	
	For >100 To 250, Add	0.70	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.46	
	For Epoxy Paint, Add	0.25	
09 91 13 00-0151	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.92	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.12	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
	For Epoxy Paint, Add	0.13	
09 91 13 00-0152	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	1.01	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.14	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
	For Epoxy Paint, Add	0.12	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.90	
For Oil Based Paint, Add	0.12	
For Orange Peel Finish, Add	0.26	
For Epoxy Paint, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.16	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
For Epoxy Paint, Add	0.23	
09 91 13 00-0154 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.77	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
For Epoxy Paint, Add	0.14	
09 91 13 00-0155 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.86	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.12	
09 91 13 00-0156 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	1.44	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.24	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
For Epoxy Paint, Add	0.24	

09 91 13 00-0157 Paint Exterior Wood Ceilings (09 91 13 00-0134)

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0159	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.24	
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.03	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.05	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.08	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.10	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.15	
	For >100 To 250, Add	0.07	
	For >250 To 500, Add	0.03	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.04	
	For >20,000, Deduct	-0.05	
09 91 13 00-0160	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.49	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.44	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.61	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 13 00-0161	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.53	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.66	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.95	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	
09 91 13 00-0162	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	2.79	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.53	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.85	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.70	
	For >100 To 250, Add	0.81	
	For >250 To 500, Add	0.35	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 20,000, Deduct	-0.42	
	For >20,000, Deduct	-0.56	
09 91 13 00-0163	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.24	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.44	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.31	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0165 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	2.37	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.88	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.32	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000, Deduct	-0.47	
09 91 13 00-0166 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.92	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0167 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.92	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0168 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	1.69	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	

09	09 Finishes
	09 90 Painting and Coating
	09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0169 Paint Exterior Rough Wood Ceilings <small>(09 91 13 00-0157)</small>		
09 91 13 00-0170 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	2.22	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.34	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 13 00-0171 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	2.19	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.28	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.47	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.74	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.02	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.44	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 13 00-0172 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	3.86	
For Oil Based Paint, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.48	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.80	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.50	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
For >2,500 To 5,000, Deduct	-0.19	
For >5,000 To 10,000, Deduct	-0.39	
For >10,000 To 20,000, Deduct	-0.58	
For >20,000, Deduct	-0.77	
09 91 13 00-0173 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.03	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	
09 91 13 00-0174 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.17	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.20	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.43	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.93	
For Oil Based Paint, Add	0.27	
For Work >15' To 20' Above Floor, Add	0.38	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.63	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.00	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.10	
For >100 To 250, Add	1.02	
For >250 To 500, Add	0.45	
For >2,500 To 5,000, Deduct	-0.20	
For >5,000 To 10,000, Deduct	-0.39	
For >10,000 To 20,000, Deduct	-0.59	
For >20,000, Deduct	-0.79	
09 91 13 00-0176 SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.48	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0177 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.62	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0178 SF 2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.97	
For Oil Based Paint, Add	0.21	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.71	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.97	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.51	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.30	
For >10,000 To 20,000, Deduct	-0.45	
For >20,000, Deduct	-0.59	

- 09 91 13 00-0179 Paint Exterior Metal Ceilings (09 91 13 00-0134)
- 09 91 13 00-0180 Paint Exterior Galvanized Ceilings (09 91 13 00-0179)
Note: Linseed oil or acrylic latex paint.

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0181	SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling.....	1.52	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.27	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.42	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.58	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.86	
	<i>For >100 To 250, Add</i>	0.42	
	<i>For >250 To 500, Add</i>	0.18	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.15	
	<i>For >10,000 To 20,000, Deduct</i>	-0.23	
	<i>For >20,000, Deduct</i>	-0.30	
09 91 13 00-0182	SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling.....	1.66	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.48	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.66	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.97	
	<i>For >100 To 250, Add</i>	0.47	
	<i>For >250 To 500, Add</i>	0.20	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.17	
	<i>For >10,000 To 20,000, Deduct</i>	-0.25	
	<i>For >20,000, Deduct</i>	-0.33	
09 91 13 00-0183	SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling.....	3.04	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.32	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.53	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.85	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	1.17	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.73	
	<i>For >100 To 250, Add</i>	0.84	
	<i>For >250 To 500, Add</i>	0.37	
	<i>For >2,500 To 5,000, Deduct</i>	-0.15	
	<i>For >5,000 To 10,000, Deduct</i>	-0.30	
	<i>For >10,000 To 20,000, Deduct</i>	-0.46	
	<i>For >20,000, Deduct</i>	-0.61	
09 91 13 00-0184	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	1.17	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.32	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.43	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.65	
	<i>For >100 To 250, Add</i>	0.31	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.12	
	<i>For >10,000 To 20,000, Deduct</i>	-0.18	
	<i>For >20,000, Deduct</i>	-0.23	
09 91 13 00-0185	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	1.31	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.37	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.51	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.75	
	<i>For >100 To 250, Add</i>	0.36	
	<i>For >250 To 500, Add</i>	0.16	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.13	
	<i>For >10,000 To 20,000, Deduct</i>	-0.20	
	<i>For >20,000, Deduct</i>	-0.26	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	2.35	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.64	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.88	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.31	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	
09 91 13 00-0187 SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.12	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0188 SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.26	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0189 SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	2.09	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)		
Note: Alkyd enamel paint.		
09 91 13 00-0191 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.52	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0192	SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.66 0.18 0.30 0.48 0.66 0.97 0.47 0.20 -0.08 -0.17 -0.25 -0.33	
09 91 13 00-0193	SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	3.04 0.32 0.53 0.85 1.17 1.73 0.84 0.37 -0.15 -0.30 -0.46 -0.61	
09 91 13 00-0194	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.32 0.12 0.20 0.32 0.43 0.67 0.33 0.15 -0.07 -0.13 -0.20 -0.26	
09 91 13 00-0195	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.46 0.14 0.23 0.37 0.51 0.78 0.38 0.17 -0.07 -0.15 -0.22 -0.29	
09 91 13 00-0196	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	2.66 0.24 0.40 0.64 0.88 1.36 0.67 0.29 -0.13 -0.27 -0.40 -0.53	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197 SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.12	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0198 SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.12	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0199 SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	2.09	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0179)		
09 91 13 00-0201 SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.23	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0202 SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.39	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0203	SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	2.56	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.54	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.74	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.19	
	<i>For >100 To 250, Add</i>	0.59	
	<i>For >250 To 500, Add</i>	0.26	
	<i>For >2,500 To 5,000, Deduct</i>	-0.13	
	<i>For >5,000 To 10,000, Deduct</i>	-0.26	
	<i>For >10,000 To 20,000, Deduct</i>	-0.38	
	<i>For >20,000, Deduct</i>	-0.51	
09 91 13 00-0204	Paint Exterior Floors <small>(09 91 13)</small>		
09 91 13 00-0205	Paint Exterior Concrete Floors <small>(09 91 13 00-0204)</small>		
09 91 13 00-0206	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.17	
	<i>For Up To 100, Add</i>	0.10	
	<i>For >100 To 250, Add</i>	0.05	
	<i>For >250 To 500, Add</i>	0.02	
	<i>For >2,500 To 5,000, Deduct</i>	-0.01	
	<i>For >5,000 To 10,000, Deduct</i>	-0.02	
	<i>For >10,000 To 20,000, Deduct</i>	-0.03	
	<i>For >20,000, Deduct</i>	-0.03	
09 91 13 00-0207	SF 1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.93	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Epoxy Paint, Add</i>	0.13	
	<i>For Up To 100, Add</i>	0.54	
	<i>For >100 To 250, Add</i>	0.26	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.14	
	<i>For >20,000, Deduct</i>	-0.19	
09 91 13 00-0208	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.01	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Epoxy Paint, Add</i>	0.12	
	<i>For Up To 100, Add</i>	0.63	
	<i>For >100 To 250, Add</i>	0.30	
	<i>For >250 To 500, Add</i>	0.13	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.15	
	<i>For >20,000, Deduct</i>	-0.20	
09 91 13 00-0209	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.91	
	<i>For Oil Based Paint, Add</i>	0.12	
	<i>For Epoxy Paint, Add</i>	0.23	
	<i>For Up To 100, Add</i>	1.17	
	<i>For >100 To 250, Add</i>	0.56	
	<i>For >250 To 500, Add</i>	0.24	
	<i>For >2,500 To 5,000, Deduct</i>	-0.10	
	<i>For >5,000 To 10,000, Deduct</i>	-0.19	
	<i>For >10,000 To 20,000, Deduct</i>	-0.29	
	<i>For >20,000, Deduct</i>	-0.38	
09 91 13 00-0210	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.79	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Epoxy Paint, Add</i>	0.12	
	<i>For Up To 100, Add</i>	0.43	
	<i>For >100 To 250, Add</i>	0.21	
	<i>For >250 To 500, Add</i>	0.09	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.08	
	<i>For >10,000 To 20,000, Deduct</i>	-0.12	
	<i>For >20,000, Deduct</i>	-0.16	
09 91 13 00-0211	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.88	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Epoxy Paint, Add</i>	0.11	
	<i>For Up To 100, Add</i>	0.53	
	<i>For >100 To 250, Add</i>	0.25	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.13	
	<i>For >20,000, Deduct</i>	-0.18	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.48	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.21	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0213 SF 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.62	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.13	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0214 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.71	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0215 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	1.29	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.23	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0216 SF 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.26	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	
09 91 13 00-0217 SF 1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.33	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.27	
For >5,000 To 10,000, Deduct	-0.53	
For >10,000 To 20,000, Deduct	-0.80	
For >20,000, Deduct	-1.07	
09 91 13 00-0218 SF 1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.62	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.40	
For >2,500 To 5,000, Deduct	-0.33	
For >5,000 To 10,000, Deduct	-0.66	
For >10,000 To 20,000, Deduct	-0.99	
For >20,000, Deduct	-1.32	
09 91 13 00-0219 Paint Exterior Wood Floors (09 91 13 00-0204)	0.20	
09 91 13 00-0220 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.20	
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 13 00-0221 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.18	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0222	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.26	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.25	
09 91	13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.38	
			<i>For Oil Based Paint, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 250, Add</i>	0.67	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.24	
			<i>For >10,000 To 20,000, Deduct</i>	-0.36	
			<i>For >20,000, Deduct</i>	-0.48	
09 91	13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	1.11	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	
09 91	13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.17	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.23	
09 91	13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.97	
			<i>For Oil Based Paint, Add</i>	0.14	
			<i>For Up To 100, Add</i>	1.02	
			<i>For >100 To 250, Add</i>	0.50	
			<i>For >250 To 500, Add</i>	0.22	
			<i>For >2,500 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.20	
			<i>For >10,000 To 20,000, Deduct</i>	-0.30	
			<i>For >20,000, Deduct</i>	-0.39	
09 91	13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.77	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.15	
09 91	13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.92	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.49	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	
09 91	13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.54	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.23	
			<i>For >20,000, Deduct</i>	-0.31	
09 91	13 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.40	
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.24	
			<i>For >10,000 To 20,000, Deduct</i>	-0.36	
			<i>For >20,000, Deduct</i>	-0.48	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0231 SF 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.76	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.42	
For >2,500 To 5,000, Deduct	-0.34	
For >5,000 To 10,000, Deduct	-0.68	
For >10,000 To 20,000, Deduct	-1.01	
For >20,000, Deduct	-1.35	
09 91 13 00-0232 Paint Exterior Doors And Windows (09 91 13)		
09 91 13 00-0233 Paint Exterior Door Frames (09 91 13 00-0232)		
09 91 13 00-0234 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.46	
For Painting Either Interior Or Exterior Only, Deduct	-0.39	
09 91 13 00-0235 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.89	
For Painting Either Interior Or Exterior Only, Deduct	-0.50	
09 91 13 00-0236 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	3.20	
For Painting Either Interior Or Exterior Only, Deduct	-0.85	
09 91 13 00-0237 LF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.48	
For Painting Either Interior Or Exterior Only, Deduct	-0.40	
09 91 13 00-0238 LF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.91	
For Painting Either Interior Or Exterior Only, Deduct	-0.51	
09 91 13 00-0239 LF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	3.23	
For Painting Either Interior Or Exterior Only, Deduct	-0.86	
09 91 13 00-0240 Paint Exterior Metal Doors (09 91 13 00-0232)		
09 91 13 00-0241 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	69.74	
Note: One face		
For Half Louvered Door, Add	5.78	
For Full Louvered Door, Add	9.64	
For Electrostatic Painting, Add	11.65	
For >5 To 10, Deduct	-3.49	
For >10 To 25, Deduct	-6.97	
For >25, Deduct	-10.46	
09 91 13 00-0242 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	69.74	
Note: One face		
For Half Louvered Door, Add	5.78	
For Full Louvered Door, Add	9.64	
For Electrostatic Painting, Add	11.65	
For >5 To 10, Deduct	-3.49	
For >10 To 25, Deduct	-6.97	
For >25, Deduct	-10.46	
09 91 13 00-0243 EA 2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	127.12	
Note: One face		
For Half Louvered Door, Add	9.77	
For Full Louvered Door, Add	16.28	
For Electrostatic Painting, Add	22.01	
For >5 To 10, Deduct	-6.36	
For >10 To 25, Deduct	-12.71	
For >25, Deduct	-19.07	
09 91 13 00-0244 EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	125.19	
Note: Both faces		
For Half Louvered Door, Add	10.37	
For Full Louvered Door, Add	17.28	
For Electrostatic Painting, Add	20.93	
For >5 To 10, Deduct	-6.26	
For >10 To 25, Deduct	-12.52	
For >25, Deduct	-18.78	
09 91 13 00-0245 EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	125.19	
Note: Both faces		
For Half Louvered Door, Add	10.37	
For Full Louvered Door, Add	17.28	
For Electrostatic Painting, Add	20.93	
For >5 To 10, Deduct	-6.26	
For >10 To 25, Deduct	-12.52	
For >25, Deduct	-18.78	
09 91 13 00-0246 EA 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	229.07	
Note: Both faces		
For Half Louvered Door, Add	17.54	
For Full Louvered Door, Add	29.23	
For Electrostatic Painting, Add	39.73	
For >5 To 10, Deduct	-11.45	
For >10 To 25, Deduct	-22.91	
For >25, Deduct	-34.36	
09 91 13 00-0247 EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door	62.65	
Note: One face		
For Half Louvered Door, Add	4.25	
For Full Louvered Door, Add	7.08	
For Electrostatic Painting, Add	11.41	
For >5 To 10, Deduct	-3.13	
For >10 To 25, Deduct	-6.27	
For >25, Deduct	-9.40	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	62.65	
			Note: One face		
			For Half Louvered Door, Add	4.25	
			For Full Louvered Door, Add	7.08	
			For Electrostatic Painting, Add	11.41	
			For >5 To 10, Deduct	-3.13	
			For >10 To 25, Deduct	-6.27	
			For >25, Deduct	-9.40	
09 91	13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	116.06	
			Note: One face		
			For Half Louvered Door, Add	7.18	
			For Full Louvered Door, Add	11.96	
			For Electrostatic Painting, Add	21.84	
			For >5 To 10, Deduct	-5.80	
			For >10 To 25, Deduct	-11.61	
			For >25, Deduct	-17.41	
09 91	13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	112.50	
			Note: Both faces		
			For Half Louvered Door, Add	7.62	
			For Full Louvered Door, Add	12.71	
			For Electrostatic Painting, Add	20.50	
			For >5 To 10, Deduct	-5.63	
			For >10 To 25, Deduct	-11.25	
			For >25, Deduct	-16.88	
09 91	13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	112.50	
			Note: Both faces		
			For Half Louvered Door, Add	7.62	
			For Full Louvered Door, Add	12.71	
			For Electrostatic Painting, Add	20.50	
			For >5 To 10, Deduct	-5.63	
			For >10 To 25, Deduct	-11.25	
			For >25, Deduct	-16.88	
09 91	13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	209.33	
			Note: Both faces		
			For Half Louvered Door, Add	12.90	
			For Full Louvered Door, Add	21.50	
			For Electrostatic Painting, Add	39.44	
			For >5 To 10, Deduct	-10.47	
			For >10 To 25, Deduct	-20.93	
			For >25, Deduct	-31.40	
09 91	13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.17	
			For Electrostatic Painting, Add	0.40	
09 91	13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.37	
			For Electrostatic Painting, Add	0.45	
09 91	13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	6.86	
			For Electrostatic Painting, Add	0.88	
09 91	13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.19	
			For Electrostatic Painting, Add	0.40	
09 91	13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.39	
			For Electrostatic Painting, Add	0.45	
09 91	13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	6.57	
			For Electrostatic Painting, Add	0.87	
09 91 13 00-0259 Paint Exterior Wood Doors (09 91 13 00-0232)					
09 91	13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	64.40	
			Note: One face		
			For Half Louvered Door, Add	5.78	
			For Full Louvered Door, Add	9.63	
			For >5 To 10, Deduct	-3.22	
			For >10 To 25, Deduct	-6.44	
			For >25, Deduct	-9.66	
09 91	13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	64.40	
			Note: One face		
			For Half Louvered Door, Add	5.78	
			For Full Louvered Door, Add	9.63	
			For >5 To 10, Deduct	-3.22	
			For >10 To 25, Deduct	-6.44	
			For >25, Deduct	-9.66	
09 91	13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	116.53	
			Note: One face		
			For Half Louvered Door, Add	9.77	
			For Full Louvered Door, Add	16.28	
			For >5 To 10, Deduct	-5.83	
			For >10 To 25, Deduct	-11.65	
			For >25, Deduct	-17.48	
09 91	13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	115.62	
			Note: Both faces		
			For Half Louvered Door, Add	10.37	
			For Full Louvered Door, Add	17.28	
			For >5 To 10, Deduct	-5.78	
			For >10 To 25, Deduct	-11.56	
			For >25, Deduct	-17.34	



Finishes	09	
Painting and Coating	09 90	09
Painting	09 91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Note: Both faces For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	115.62 10.37 17.28 -5.78 -11.56 -17.34	
09 91	13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door Note: Both faces For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	209.92 17.54 29.23 -10.50 -20.99 -31.49	
09 91	13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door Note: One face For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	56.79 4.25 7.08 -2.84 -5.68 -8.52	
09 91	13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: One face For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	56.79 4.25 7.08 -2.84 -5.68 -8.52	
09 91	13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: One face For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	104.44 7.18 11.97 -5.22 -10.44 -15.67	
09 91	13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door Note: Both faces For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	101.97 7.62 12.71 -5.10 -10.20 -15.30	
09 91	13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door Note: Both faces For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	101.97 7.62 12.71 -5.10 -10.20 -15.30	
09 91	13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door Note: Both faces For Half Louvered Door, Add For Full Louvered Door, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	188.27 12.90 21.50 -9.41 -18.83 -28.24	
09 91	13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.10	
09 91	13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.24	
09 91	13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.63	
09 91	13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.10	
09 91	13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.26	
09 91	13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.33	
09 91 13 00-0278 Paint Exterior Metal Windows (09 91 13 00-0232)					
Note: Two finish coats paint over rust inhibitive primer.					
09 91	13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim For Electrostatic Painting, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	107.12 13.82 -5.36 -10.71 -16.07	
09 91	13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim For Electrostatic Painting, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	131.70 17.97 -6.59 -13.17 -19.76	
09 91	13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim For Electrostatic Painting, Add For >5 To 10, Deduct For >10 To 25, Deduct For >25, Deduct	178.40 24.66 -8.92 -17.84 -26.76	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	200.95	
		<i>For Electrostatic Painting, Add</i>	27.81	
		<i>For >5 To 10, Deduct</i>	-10.05	
		<i>For >10 To 25, Deduct</i>	-20.10	
		<i>For >25, Deduct</i>	-30.14	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	222.70	
		<i>For Electrostatic Painting, Add</i>	30.75	
		<i>For >5 To 10, Deduct</i>	-11.14	
		<i>For >10 To 25, Deduct</i>	-22.27	
		<i>For >25, Deduct</i>	-33.41	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	7.06	
		<i>For Electrostatic Painting, Add</i>	0.97	
09 91 13 00-0285		Paint Exterior Wood Windows <small>(09 91 13 00-0232)</small>		
		Note: Two finish coats paint over primer.		
09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	103.58	
		<i>For >5 To 10, Deduct</i>	-5.18	
		<i>For >10 To 25, Deduct</i>	-10.36	
		<i>For >25, Deduct</i>	-15.54	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	126.23	
		<i>For >5 To 10, Deduct</i>	-6.31	
		<i>For >10 To 25, Deduct</i>	-12.62	
		<i>For >25, Deduct</i>	-18.93	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	170.63	
		<i>For >5 To 10, Deduct</i>	-8.53	
		<i>For >10 To 25, Deduct</i>	-17.06	
		<i>For >25, Deduct</i>	-25.59	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	192.17	
		<i>For >5 To 10, Deduct</i>	-9.61	
		<i>For >10 To 25, Deduct</i>	-19.22	
		<i>For >25, Deduct</i>	-28.83	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	213.05	
		<i>For >5 To 10, Deduct</i>	-10.65	
		<i>For >10 To 25, Deduct</i>	-21.31	
		<i>For >25, Deduct</i>	-31.96	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim.....	7.10	
09 91 13 00-0292		Paint Exterior Security Screens <small>(09 91 13 00-0232)</small>		
09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.83	
		<i>For Electrostatic Painting, Add</i>	0.25	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.83	
		<i>For Electrostatic Painting, Add</i>	0.23	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen.....	3.05	
		<i>For Electrostatic Painting, Add</i>	0.39	
09 91 13 00-0296		Paint Exterior Window Guards <small>(09 91 13 00-0232)</small>		
09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.83	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.83	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards.....	3.05	
09 91 13 00-0300		Paint Exterior Window Trim <small>(09 91 13 00-0232)</small>		
09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.68	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.68	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.76	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.98	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.98	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	3.37	
09 91 13 00-0307		Paint Exterior Roofing And Trim <small>(09 91 13)</small>		
09 91 13 00-0308		Paint Stain Or Seal Wood Roofing <small>(09 91 13 00-0307)</small>		
09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake.....	2.52	
		<i>For Up To 100, Add</i>	1.20	
		<i>For >100 To 250, Add</i>	0.59	
		<i>For >250 To 500, Add</i>	0.26	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake.....	4.65	
		<i>For Up To 100, Add</i>	2.17	
		<i>For >100 To 250, Add</i>	1.08	
		<i>For >250 To 500, Add</i>	0.48	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0311 Paint Metal Roofing <small>(09 91 13 00-0307)</small>		
09 91 13 00-0312 SF 1 Coat Paint, Brush/Roller Work, Paint Metal Roofing.....	1.13	
<i>For Up To 100, Add</i>	<i>0.49</i>	
<i>For >100 To 250, Add</i>	<i>0.25</i>	
<i>For >250 To 500, Add</i>	<i>0.11</i>	
09 91 13 00-0313 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Roofing.....	1.97	
<i>For Up To 100, Add</i>	<i>0.88</i>	
<i>For >100 To 250, Add</i>	<i>0.44</i>	
<i>For >250 To 500, Add</i>	<i>0.20</i>	
09 91 13 00-0314 Paint Fascia Board <small>(09 91 13 00-0307)</small>		
09 91 13 00-0315 LF 1 Coat Primer, Brush/Roller Work, Paint Fascia Board.....	1.03	
<i>For Up To 100, Add</i>	<i>0.48</i>	
<i>For >100 To 250, Add</i>	<i>0.24</i>	
<i>For >250 To 500, Add</i>	<i>0.11</i>	
09 91 13 00-0316 LF 1 Coat Paint, Brush/Roller Work, Paint Fascia Board.....	1.03	
<i>For Up To 100, Add</i>	<i>0.48</i>	
<i>For >100 To 250, Add</i>	<i>0.24</i>	
<i>For >250 To 500, Add</i>	<i>0.11</i>	
09 91 13 00-0317 LF 2 Coats Paint, Brush/Roller Work, Paint Fascia Board.....	1.80	
<i>For Up To 100, Add</i>	<i>0.86</i>	
<i>For >100 To 250, Add</i>	<i>0.43</i>	
<i>For >250 To 500, Add</i>	<i>0.19</i>	
09 91 13 00-0318 Paint Soffit <small>(09 91 13 00-0307)</small>		
09 91 13 00-0319 SF 1 Coat Primer, Brush/Roller Work, Paint Soffit.....	1.25	
<i>For Up To 100, Add</i>	<i>0.51</i>	
<i>For >100 To 250, Add</i>	<i>0.26</i>	
<i>For >250 To 500, Add</i>	<i>0.12</i>	
09 91 13 00-0320 SF 1 Coat Paint, Brush/Roller Work, Paint Soffit.....	1.25	
<i>For Up To 100, Add</i>	<i>0.51</i>	
<i>For >100 To 250, Add</i>	<i>0.26</i>	
<i>For >250 To 500, Add</i>	<i>0.12</i>	
09 91 13 00-0321 SF 2 Coats Paint, Brush/Roller Work, Paint Soffit.....	2.13	
<i>For Up To 100, Add</i>	<i>0.91</i>	
<i>For >100 To 250, Add</i>	<i>0.46</i>	
<i>For >250 To 500, Add</i>	<i>0.20</i>	
09 91 13 00-0322 Acrylic Elastomeric Coating For All Types Of Roofs <small>(09 91 13 00-0307)</small>		
09 91 13 00-0323 SF 2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252).....	3.24	
09 91 13 00-0324 Elastomeric Coating For All Types Of Roofs <small>(09 91 13 00-0307)</small>		
09 91 13 00-0325 SF 1 Coat, White Elastomeric Liquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585).....	3.82	
Note: Per Coat		
09 91 13 00-0326 Paint Metal Surfaces <small>(09 91 13)</small>		
Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0327 Paint Structural Steel <small>(09 91 13 00-0326)</small>		
09 91 13 00-0328 Paint Structural Steel, Brush Work <small>(09 91 13 00-0327)</small>		
09 91 13 00-0329 SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel.....	1.26	
<i>For Up To 100, Add</i>	<i>0.77</i>	
<i>For >100 To 250, Add</i>	<i>0.37</i>	
<i>For >250 To 500, Add</i>	<i>0.16</i>	
<i>For Epoxy Paint, Add</i>	<i>0.15</i>	
09 91 13 00-0330 SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel.....	1.13	
<i>For Up To 100, Add</i>	<i>0.67</i>	
<i>For >100 To 250, Add</i>	<i>0.32</i>	
<i>For >250 To 500, Add</i>	<i>0.14</i>	
<i>For Epoxy Paint, Add</i>	<i>0.15</i>	
09 91 13 00-0331 Paint Structural Steel, Spray Work <small>(09 91 13 00-0327)</small>		
09 91 13 00-0332 SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.90	
<i>For Electrostatic Painting, Add</i>	<i>0.14</i>	
<i>For Up To 100, Add</i>	<i>0.50</i>	
<i>For >100 To 250, Add</i>	<i>0.24</i>	
<i>For >250 To 500, Add</i>	<i>0.11</i>	
<i>For Epoxy Paint, Add</i>	<i>0.14</i>	
09 91 13 00-0333 SF 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel.....	0.76	
<i>For Electrostatic Painting, Add</i>	<i>0.12</i>	
<i>For Up To 100, Add</i>	<i>0.39</i>	
<i>For >100 To 250, Add</i>	<i>0.19</i>	
<i>For >250 To 500, Add</i>	<i>0.08</i>	
<i>For Epoxy Paint, Add</i>	<i>0.13</i>	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0334 Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0327)				
09 91 13 00-0335	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	1.00	
		<i>For Up To 100, Add</i>	0.57	
		<i>For >100 To 250, Add</i>	0.28	
		<i>For >250 To 500, Add</i>	0.12	
		<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0336	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking.....	1.00	
		<i>For Up To 100, Add</i>	0.57	
		<i>For >100 To 250, Add</i>	0.28	
		<i>For >250 To 500, Add</i>	0.12	
		<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0337	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking.....	1.73	
		<i>For Up To 100, Add</i>	0.93	
		<i>For >100 To 250, Add</i>	0.45	
		<i>For >250 To 500, Add</i>	0.20	
		<i>For Epoxy Paint, Add</i>	0.27	
09 91 13 00-0338	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.61	
		<i>For Up To 100, Add</i>	0.85	
		<i>For >100 To 250, Add</i>	0.42	
		<i>For >250 To 500, Add</i>	0.18	
		<i>For Epoxy Paint, Add</i>	0.26	
09 91 13 00-0339	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.55	
		<i>For Up To 100, Add</i>	0.86	
		<i>For >100 To 250, Add</i>	0.42	
		<i>For >250 To 500, Add</i>	0.18	
		<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0340	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	2.93	
		<i>For Up To 100, Add</i>	1.58	
		<i>For >100 To 250, Add</i>	0.77	
		<i>For >250 To 500, Add</i>	0.34	
		<i>For Epoxy Paint, Add</i>	0.46	
09 91 13 00-0341	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists.....	1.26	
		<i>For Up To 100, Add</i>	0.68	
		<i>For >100 To 250, Add</i>	0.33	
		<i>For >250 To 500, Add</i>	0.15	
		<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0342	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.26	
		<i>For Up To 100, Add</i>	0.68	
		<i>For >100 To 250, Add</i>	0.33	
		<i>For >250 To 500, Add</i>	0.15	
		<i>For Epoxy Paint, Add</i>	0.20	
09 91 13 00-0343	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists.....	2.16	
		<i>For Up To 100, Add</i>	1.09	
		<i>For >100 To 250, Add</i>	0.54	
		<i>For >250 To 500, Add</i>	0.24	
		<i>For Epoxy Paint, Add</i>	0.37	
09 91 13 00-0344 Paint Steel Pipes (09 91 13 00-0326)				
Note: Includes pipe, tubes, rails, conduit, etc.				
09 91 13 00-0345	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.12	
		<i>For Electrostatic Painting, Add</i>	0.28	
		<i>For Epoxy Paint, Add</i>	0.24	
09 91 13 00-0346	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.37	
		<i>For Electrostatic Painting, Add</i>	0.32	
		<i>For Epoxy Paint, Add</i>	0.28	
09 91 13 00-0347	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	2.68	
		<i>For Electrostatic Painting, Add</i>	0.36	
		<i>For Epoxy Paint, Add</i>	0.31	
09 91 13 00-0348	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes.....	3.35	
		<i>For Electrostatic Painting, Add</i>	0.44	
		<i>For Epoxy Paint, Add</i>	0.39	
09 91 13 00-0349	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes.....	4.22	
		<i>For Electrostatic Painting, Add</i>	0.56	
		<i>For Epoxy Paint, Add</i>	0.48	
09 91 13 00-0350	LF	1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.12	
		<i>For Electrostatic Painting, Add</i>	0.28	
		<i>For Epoxy Paint, Add</i>	0.24	
09 91 13 00-0351	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.37	
		<i>For Electrostatic Painting, Add</i>	0.32	
		<i>For Epoxy Paint, Add</i>	0.28	
09 91 13 00-0352	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes.....	2.68	
		<i>For Electrostatic Painting, Add</i>	0.36	
		<i>For Epoxy Paint, Add</i>	0.31	
09 91 13 00-0353	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	3.35	
		<i>For Electrostatic Painting, Add</i>	0.44	
		<i>For Epoxy Paint, Add</i>	0.39	
09 91 13 00-0354	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	4.22	
		<i>For Electrostatic Painting, Add</i>	0.56	
		<i>For Epoxy Paint, Add</i>	0.48	
09 91 13 00-0355	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	4.36	
		<i>For Electrostatic Painting, Add</i>	0.61	
		<i>For Epoxy Paint, Add</i>	0.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0356 LF 2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.76	
<i>For Electrostatic Painting, Add</i>	0.64	
<i>For Epoxy Paint, Add</i>	0.56	
09 91 13 00-0357 LF 2 Coats Paint, 4" Diameter, Paint Steel Pipes	5.15	
<i>For Electrostatic Painting, Add</i>	0.69	
<i>For Epoxy Paint, Add</i>	0.61	
09 91 13 00-0358 LF 2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	6.49	
<i>For Electrostatic Painting, Add</i>	0.87	
<i>For Epoxy Paint, Add</i>	0.76	
09 91 13 00-0359 LF 2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	8.00	
<i>For Electrostatic Painting, Add</i>	1.08	
<i>For Epoxy Paint, Add</i>	0.96	
09 91 13 00-0360 EA 1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	10.03	
<i>For Electrostatic Painting, Add</i>	1.07	
<i>For Epoxy Paint, Add</i>	0.64	
09 91 13 00-0361 Paint Metal Louvers <small>(09 91 13 00-0326)</small>		
09 91 13 00-0362 SF 1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.71	
<i>For Electrostatic Painting, Add</i>	0.21	
09 91 13 00-0363 SF 1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.74	
<i>For Electrostatic Painting, Add</i>	0.22	
09 91 13 00-0364 SF 2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.58	
<i>For Electrostatic Painting, Add</i>	0.46	
09 91 13 00-0365 Paint Ladders <small>(09 91 13 00-0326)</small>		
09 91 13 00-0366 LF 1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	4.55	
<i>For Epoxy Paint, Add</i>	0.29	
09 91 13 00-0367 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	5.08	
<i>For Epoxy Paint, Add</i>	0.32	
09 91 13 00-0368 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	9.99	
<i>For Epoxy Paint, Add</i>	0.59	
09 91 13 00-0369 Paint Handrails <small>(09 91 13 00-0326)</small>		
09 91 13 00-0370 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.84	
<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0371 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.04	
<i>For Epoxy Paint, Add</i>	0.17	
09 91 13 00-0372 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	3.32	
<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0373 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.53	
<i>For Epoxy Paint, Add</i>	0.49	
09 91 13 00-0374 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.84	
<i>For Epoxy Paint, Add</i>	0.51	
09 91 13 00-0375 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	6.52	
<i>For Epoxy Paint, Add</i>	0.80	
09 91 13 00-0376 LF 1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.78	
<i>For Epoxy Paint, Add</i>	0.51	
09 91 13 00-0377 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	4.11	
<i>For Epoxy Paint, Add</i>	0.52	
09 91 13 00-0378 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	6.89	
<i>For Epoxy Paint, Add</i>	0.82	
09 91 13 00-0379 LF 1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	2.09	
<i>For Epoxy Paint, Add</i>	0.26	
09 91 13 00-0380 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	2.29	
<i>For Epoxy Paint, Add</i>	0.27	
09 91 13 00-0381 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	4.21	
<i>For Epoxy Paint, Add</i>	0.53	
09 91 13 00-0382 Paint Grating <small>(09 91 13 00-0326)</small>		
09 91 13 00-0383 SF 1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	3.33	
<i>For Epoxy Paint, Add</i>	0.24	
09 91 13 00-0384 SF 1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	3.40	
<i>For Epoxy Paint, Add</i>	0.26	
09 91 13 00-0385 SF 2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	5.16	
<i>For Epoxy Paint, Add</i>	0.44	
09 91 13 00-0386 Equipment And Tanks <small>(09 91 13 00-0326)</small>		
09 91 13 00-0387 Paint Valves <small>(09 91 13 00-0386)</small>		
Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0388 EA Prime And Paint 4" And Smaller Valve	36.12	
09 91 13 00-0389 EA Prime And Paint 6" To 10" Valve	44.51	
09 91 13 00-0390 EA Prime And Paint 12" To 18" Valve	58.37	
09 91 13 00-0391 EA Prime And Paint 20" To 24" Valve	77.69	
09 91 13 00-0392 EA Prime And Paint >24" To 36" Valve	105.41	
09 91 13 00-0393 EA Prime And Paint >36" To 48" Valve	144.45	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0394 Paint Pumps And Motors (09 91 13 00-0386)
Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0395	EA	Prime And Paint Pump Under 1 HP	111.28
09 91 13 00-0396	EA	Prime And Paint Pump, 1 HP To 5 HP	147.79
09 91 13 00-0397	EA	Prime And Paint Pump, >5 HP To 10 HP	178.84
09 91 13 00-0398	EA	Prime And Paint Pump, >10 HP To 20 HP	201.49
09 91 13 00-0399	EA	Prime And Paint Pump, >20 HP To 30 HP	235.07
09 91 13 00-0400	EA	Prime And Paint Pump, >30 HP To 50 HP	268.65
09 91 13 00-0401	EA	Prime And Paint Pump, >50 HP To 75 HP	296.77
09 91 13 00-0402	EA	Prime And Paint Pump, >75 HP	335.82

09 91 13 00-0403 Paint Storage Tanks (09 91 13 00-0386)

09 91 13 00-0404	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.44
09 91 13 00-0405	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.91
09 91 13 00-0406	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.67
09 91 13 00-0407	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.90
09 91 13 00-0408	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.42
09 91 13 00-0409	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	4.67
09 91 13 00-0410	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.48
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.87
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.66
09 91 13 00-0413	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.68
09 91 13 00-0414	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	2.24
09 91 13 00-0415	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	4.36

09 91 13 00-0416 Other Site Work Painting (09 91 13)

09 91 13 00-0417 Paint Fencing (09 91 13 00-0416)
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0418	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	1.06
		<i>For Epoxy Paint, Add</i>	<i>0.13</i>
		<i>For Up To 100, Add</i>	<i>0.64</i>
		<i>For >100 To 250, Add</i>	<i>0.31</i>
		<i>For >250 To 500, Add</i>	<i>0.13</i>
09 91 13 00-0419	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	2.01
		<i>For Epoxy Paint, Add</i>	<i>0.26</i>
		<i>For Up To 100, Add</i>	<i>1.19</i>
		<i>For >100 To 250, Add</i>	<i>0.57</i>
		<i>For >250 To 500, Add</i>	<i>0.25</i>
09 91 13 00-0420	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.92
		<i>For Epoxy Paint, Add</i>	<i>0.15</i>
		<i>For Electrostatic Painting, Add</i>	<i>0.14</i>
		<i>For Up To 100, Add</i>	<i>0.49</i>
		<i>For >100 To 250, Add</i>	<i>0.24</i>
		<i>For >250 To 500, Add</i>	<i>0.11</i>
09 91 13 00-0421	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.72
		<i>For Epoxy Paint, Add</i>	<i>0.28</i>
		<i>For Electrostatic Painting, Add</i>	<i>0.27</i>
		<i>For Up To 100, Add</i>	<i>0.89</i>
		<i>For >100 To 250, Add</i>	<i>0.44</i>
		<i>For >250 To 500, Add</i>	<i>0.19</i>
09 91 13 00-0422	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.99
		<i>For Epoxy Paint, Add</i>	<i>0.15</i>
		<i>For Up To 100, Add</i>	<i>0.54</i>
		<i>For >100 To 250, Add</i>	<i>0.26</i>
		<i>For >250 To 500, Add</i>	<i>0.12</i>
09 91 13 00-0423	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.92
		<i>For Epoxy Paint, Add</i>	<i>0.12</i>
		<i>For Up To 100, Add</i>	<i>0.53</i>
		<i>For >100 To 250, Add</i>	<i>0.26</i>
		<i>For >250 To 500, Add</i>	<i>0.11</i>
09 91 13 00-0424	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.68
		<i>For Epoxy Paint, Add</i>	<i>0.11</i>
		<i>For Up To 100, Add</i>	<i>0.35</i>
		<i>For >100 To 250, Add</i>	<i>0.17</i>
		<i>For >250 To 500, Add</i>	<i>0.08</i>
09 91 13 00-0425	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	1.22
		<i>For Epoxy Paint, Add</i>	<i>0.11</i>
		<i>For Up To 100, Add</i>	<i>0.82</i>
		<i>For >100 To 250, Add</i>	<i>0.39</i>
		<i>For >250 To 500, Add</i>	<i>0.17</i>
09 91 13 00-0426	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	1.22
		<i>For Epoxy Paint, Add</i>	<i>0.11</i>
		<i>For Up To 100, Add</i>	<i>0.82</i>
		<i>For >100 To 250, Add</i>	<i>0.39</i>
		<i>For >250 To 500, Add</i>	<i>0.17</i>
09 91 13 00-0427	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.88
		<i>For Epoxy Paint, Add</i>	<i>0.09</i>
		<i>For Up To 100, Add</i>	<i>0.56</i>
		<i>For >100 To 250, Add</i>	<i>0.27</i>
		<i>For >250 To 500, Add</i>	<i>0.12</i>



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0428 SF 1 Coat Paint, Brush/Roller, Paint Wood Fences	0.93	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 91 13 00-0429 SF 2 Coats Paint, Brush/Roller, Paint Wood Fences	1.71	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 91 13 00-0430 SF 1 Coat Paint, Sprayed, Paint Wood Fences	0.71	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0431 SF 2 Coats Paint, Sprayed, Paint Wood Fences	1.35	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 91 13 00-0432 Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0416)		
09 91 13 00-0433 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.62	
09 91 13 00-0434 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.63	
09 91 13 00-0435 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	6.46	
09 91 13 00-0436 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.15	
09 91 13 00-0437 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.17	
09 91 13 00-0438 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	4.03	
09 91 13 00-0439 Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0416)		
09 91 13 00-0440 SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.45	
09 91 13 00-0441 SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.46	
09 91 13 00-0442 SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	7.95	
09 91 13 00-0443 SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.59	
09 91 13 00-0444 SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.61	
09 91 13 00-0445 SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	4.84	
09 91 13 00-0446 Paint Flagpoles (09 91 13 00-0416)		
09 91 13 00-0447 EA 1 Coat Paint, 20' High, Paint Steel Flagpole	228.84	
09 91 13 00-0448 EA 1 Coat Paint, 30' High, Paint Steel Flagpole	309.75	
09 91 13 00-0449 EA 1 Coat Paint, 40' High, Paint Steel Flagpole	390.69	
09 91 13 00-0450 EA 1 Coat Paint, 50' High, Paint Steel Flagpole	471.65	
09 91 13 00-0451 EA 1 Coat Paint, 70' High, Paint Steel Flagpole	626.79	
09 91 13 00-0452 EA 1 Coat Paint, 80' High, Paint Steel Flagpole	706.89	
09 91 13 00-0453 EA 1 Coat Paint, 90' High, Paint Steel Flagpole	787.01	
09 91 13 00-0454 Paint Lattice Or Trellis (09 91 13 00-0416)		
09 91 13 00-0455 SF 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.68	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 91 13 00-0456 SF 2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	3.13	
For Up To 100, Add	2.02	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
09 91 13 00-0457 Paint Exterior Stairs (09 91 13)		
09 91 13 00-0458 Paint Exterior Concrete Stairs (09 91 13 00-0457)		
09 91 13 00-0459 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	19.80	
09 91 13 00-0460 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	19.80	
09 91 13 00-0461 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	25.71	
09 91 13 00-0462 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	43.15	
09 91 13 00-0463 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide)	39.60	
09 91 13 00-0464 Paint Exterior Metal Stairs (09 91 13 00-0457)		
09 91 13 00-0465 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	10.56	
For Oil Based Paint, Add	0.58	
09 91 13 00-0466 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	10.56	
For Oil Based Paint, Add	0.58	
09 91 13 00-0467 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide)	21.12	
For Oil Based Paint, Add	1.17	
09 91 13 00-0468 Paint Exterior Wood Stairs (09 91 13 00-0457)		
09 91 13 00-0469 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	10.37	
09 91 13 00-0470 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	10.37	
09 91 13 00-0471 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	16.28	
09 91 13 00-0472 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	33.72	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 91 13 00-0473	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....			20.73
09 91 13 00-0474		Paint Exterior Stair Nosing (09 91 13 00-0457)			
09 91 13 00-0475	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip.....			2.00
09 91 13 00-0476		Paint Exterior Trim (09 91 13)			
09 91 13 00-0477		Paint Exterior Metal Trim And Gutters (09 91 13 00-0476)			
09 91 13 00-0478	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....			1.40
		<i>For Work >15' To 20' Above Floor, Add</i>			0.17
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.28
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			0.44
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			0.61
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0479	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim.....			1.53
		<i>For Work >15' To 20' Above Floor, Add</i>			0.18
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.31
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			0.49
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			0.68
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0480	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim.....			2.77
		<i>For Work >15' To 20' Above Floor, Add</i>			0.33
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.55
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			0.87
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			1.20
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0481	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....			1.28
		<i>For Work >15' To 20' Above Floor, Add</i>			0.15
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.25
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			0.39
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			0.54
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0482	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....			1.39
		<i>For Work >15' To 20' Above Floor, Add</i>			0.16
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.27
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			0.44
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			0.60
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0483	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....			2.50
		<i>For Work >15' To 20' Above Floor, Add</i>			0.29
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.48
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			0.76
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			1.05
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0484	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....			2.19
		<i>For Work >15' To 20' Above Floor, Add</i>			0.27
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.45
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			0.72
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			0.98
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0485	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....			2.70
		<i>For Work >15' To 20' Above Floor, Add</i>			0.39
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>			0.66
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>			1.05
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>			1.45
		<i>Note: Applied only to work area above 40'.</i>			
09 91 13 00-0486		Paint Exterior Wood Trim (09 91 13 00-0476)			



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0487 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim	2.07	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.40	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.63	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.87	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.26	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 13 00-0488 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.26	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.43	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.68	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.94	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.37	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	
09 91 13 00-0489 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Trim	4.11	
For Oil Based Paint, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.45	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.76	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	1.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.66	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.43	
For >100 To 250, Add	1.17	
For >250 To 500, Add	0.51	
For >2,500 To 5,000, Deduct	-0.21	
For >5,000 To 10,000, Deduct	-0.41	
For >10,000 To 20,000, Deduct	-0.62	
For >20,000, Deduct	-0.82	
09 91 13 00-0490 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.67	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0491 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.86	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0492	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	3.48	
	For Oil Based Paint, Add	0.23	
	For Work >15' To 20' Above Floor, Add	0.36	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.60	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.96	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.96	
	For >100 To 250, Add	0.95	
	For >250 To 500, Add	0.41	
	For >2,500 To 5,000, Deduct	-0.17	
	For >5,000 To 10,000, Deduct	-0.35	
	For >10,000 To 20,000, Deduct	-0.52	
	For >20,000, Deduct	-0.70	
09 91 13 00-0493	SF 1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.34	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 13 00-0494	SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.48	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 13 00-0495	SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.81	
	For Oil Based Paint, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.24	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.40	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.64	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.89	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.39	
	For >100 To 250, Add	0.68	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 20,000, Deduct	-0.42	
	For >20,000, Deduct	-0.56	
09 91 13 00-0496	Paint Exterior Miscellaneous Metal Surfaces (09 91 13)		
09 91 13 00-0497	SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.70	
	For Epoxy Paint, Add	0.22	
	For Electrostatic Painting, Add	0.24	
09 91 13 00-0498	SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.54	
	For Epoxy Paint, Add	0.17	
	For Electrostatic Painting, Add	0.20	
09 91 13 00-0499	SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	3.14	
	For Epoxy Paint, Add	0.36	
	For Electrostatic Painting, Add	0.41	

09 91 23

Interior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0326 for additional interior materials.



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0001 Paint Interior Walls <small>(09 91 23)</small>		
09 91 23 00-0002 Paint Interior Brick Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0003 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.26	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.11	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	
09 91 23 00-0004 SF 1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.37	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 23 00-0005 SF 1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.57	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 23 00-0006 SF 2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.85	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.31	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.52	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.83	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.14	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.68	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000, Deduct	-0.57	
09 91 23 00-0007 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	1.13	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0008	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.43	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.78	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.29	
09 91 23 00-0009	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.48	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.24	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.40	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.64	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.88	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.33	
	For >100 To 250, Add	0.65	
	For >250 To 500, Add	0.28	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.50	
09 91 23 00-0010	SF 1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.97	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.19	
09 91 23 00-0011	SF 1 Coat Paint, Sprayed, Paint Interior Brick Walls	1.13	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 23 00-0012	SF 2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.92	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.25	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.54	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.88	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.38	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0013 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.43	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 23 00-0014 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	1.19	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0015 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	1.04	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0016 Paint Interior Concrete Walls (09 91 23 00-0001)		
09 91 23 00-0017 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.21	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.07	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.09	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.13	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 23 00-0018 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Walls	1.16	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0019	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Walls.....	1.24	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.56	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.80	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 23 00-0020	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Walls.....	2.14	
	For Oil Based Paint, Add	0.12	
	For Epoxy Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.76	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.05	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.46	
	For >100 To 250, Add	0.69	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.43	
09 91 23 00-0021	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls.....	0.94	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0022	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.04	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0023 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.93	
For Oil Based Paint, Add	0.12	
For Epoxy Paint, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.18	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 23 00-0024 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.79	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0025 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Walls.....	0.86	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0026 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Walls.....	1.43	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.24	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 23 00-0027 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	1.21	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0028	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	0.99 0.10 0.17 0.27 0.37 0.55 0.27 0.12 -0.05 -0.10 -0.15 -0.20	
09 91 23 00-0029	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	0.85 0.07 0.12 0.18 0.25 0.40 0.20 0.09 -0.04 -0.09 -0.13 -0.17	
09 91 23 00-0030	Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0031	Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)		
09 91 23 00-0032	LF 1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	0.71 0.03 0.06 0.09 0.12 0.24 0.13 0.06 -0.04 -0.07 -0.11 -0.14	
09 91 23 00-0033	SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.64 0.17 0.29 0.46 0.63 0.94 0.45 0.20 -0.08 -0.16 -0.25 -0.33	
09 91 23 00-0034	SF 1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000 To 10,000, Deduct</i> <i>For >10,000 To 20,000, Deduct</i> <i>For >20,000, Deduct</i>	1.87 0.21 0.35 0.55 0.76 1.11 0.53 0.23 -0.09 -0.19 -0.28 -0.37	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0035 SF 2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	3.37	
For Work >15' To 20' Above Floor, Add	0.36	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.60	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.96	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.94	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.41	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.34	
For >10,000 To 20,000, Deduct	-0.51	
For >20,000, Deduct	-0.67	
09 91 23 00-0036 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.37	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 23 00-0037 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.50	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0038 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.84	
For Work >15' To 20' Above Floor, Add	0.28	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.47	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.74	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.02	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.54	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.43	
For >20,000, Deduct	-0.57	
09 91 23 00-0039 SF 1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	1.13	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0040	SF 1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.33	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.64	
	<i>For >100 To 250, Add</i>	0.32	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.13	
	<i>For >10,000 To 20,000, Deduct</i>	-0.20	
	<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0041	SF 2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	2.48	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.49	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.67	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.10	
	<i>For >100 To 250, Add</i>	0.55	
	<i>For >250 To 500, Add</i>	0.25	
	<i>For >2,500 To 5,000, Deduct</i>	-0.12	
	<i>For >5,000 To 10,000, Deduct</i>	-0.25	
	<i>For >10,000 To 20,000, Deduct</i>	-0.37	
	<i>For >20,000, Deduct</i>	-0.50	
09 91 23 00-0042	Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)		
09 91 23 00-0043	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.29	
	<i>For Oil Based Paint, Add</i>	0.02	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.06	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.18	
	<i>For >100 To 250, Add</i>	0.08	
	<i>For >250 To 500, Add</i>	0.04	
	<i>For >2,500 To 5,000, Deduct</i>	-0.01	
	<i>For >5,000 To 10,000, Deduct</i>	-0.03	
	<i>For >10,000 To 20,000, Deduct</i>	-0.04	
	<i>For >20,000, Deduct</i>	-0.06	
09 91 23 00-0044	SF 1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.48	
	<i>For Oil Based Paint, Add</i>	0.09	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.46	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.63	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.91	
	<i>For >100 To 250, Add</i>	0.44	
	<i>For >250 To 500, Add</i>	0.19	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.15	
	<i>For >10,000 To 20,000, Deduct</i>	-0.22	
	<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0045	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls.....	1.77	
	<i>For Oil Based Paint, Add</i>	0.11	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.53	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.73	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.06	
	<i>For >100 To 250, Add</i>	0.51	
	<i>For >250 To 500, Add</i>	0.22	
	<i>For >2,500 To 5,000, Deduct</i>	-0.09	
	<i>For >5,000 To 10,000, Deduct</i>	-0.18	
	<i>For >10,000 To 20,000, Deduct</i>	-0.27	
	<i>For >20,000, Deduct</i>	-0.35	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0046 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	3.24	
For Oil Based Paint, Add	0.21	
For Work >15' To 20' Above Floor, Add	0.35	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.59	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.94	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.90	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.40	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000 To 20,000, Deduct	-0.49	
For >20,000, Deduct	-0.65	
09 91 23 00-0047 SF 1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.97	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.59	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.81	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.18	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.39	
09 91 23 00-0048 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.27	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0049 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.52	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0050 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.74	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.28	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.47	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.74	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.02	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.53	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.55	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0051	SF 1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.70	
	<i>For Oil Based Paint, Add</i>	0.11	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.48	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.67	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.98	
	<i>For >100 To 250, Add</i>	0.47	
	<i>For >250 To 500, Add</i>	0.21	
	<i>For >2,500 To 5,000, Deduct</i>	-0.09	
	<i>For >5,000 To 10,000, Deduct</i>	-0.17	
	<i>For >10,000 To 20,000, Deduct</i>	-0.26	
	<i>For >20,000, Deduct</i>	-0.34	
09 91 23 00-0052	SF 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....	1.10	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.56	
	<i>For >100 To 250, Add</i>	0.28	
	<i>For >250 To 500, Add</i>	0.12	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.11	
	<i>For >10,000 To 20,000, Deduct</i>	-0.17	
	<i>For >20,000, Deduct</i>	-0.22	
09 91 23 00-0053	SF 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.28	
	<i>For Oil Based Paint, Add</i>	0.09	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.63	
	<i>For >100 To 250, Add</i>	0.31	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.13	
	<i>For >10,000 To 20,000, Deduct</i>	-0.19	
	<i>For >20,000, Deduct</i>	-0.26	
09 91 23 00-0054	SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	2.15	
	<i>For Oil Based Paint, Add</i>	0.16	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.61	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.99	
	<i>For >100 To 250, Add</i>	0.49	
	<i>For >250 To 500, Add</i>	0.22	
	<i>For >2,500 To 5,000, Deduct</i>	-0.11	
	<i>For >5,000 To 10,000, Deduct</i>	-0.22	
	<i>For >10,000 To 20,000, Deduct</i>	-0.32	
	<i>For >20,000, Deduct</i>	-0.43	
09 91 23 00-0055	SF 1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.49	
	<i>For Oil Based Paint, Add</i>	0.11	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.46	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.72	
	<i>For >100 To 250, Add</i>	0.36	
	<i>For >250 To 500, Add</i>	0.16	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.15	
	<i>For >10,000 To 20,000, Deduct</i>	-0.22	
	<i>For >20,000, Deduct</i>	-0.30	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0030)

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.54
		<i>For Work >15' To 20' Above Floor, Add</i>	0.17
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.29
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.46
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.63
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.92
		<i>For >100 To 250, Add</i>	0.44
		<i>For >250 To 500, Add</i>	0.19
		<i>For >2,500 To 5,000, Deduct</i>	-0.08
		<i>For >5,000 To 10,000, Deduct</i>	-0.15
		<i>For >10,000 To 20,000, Deduct</i>	-0.23
		<i>For >20,000, Deduct</i>	-0.31

09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.33
		<i>For Work >15' To 20' Above Floor, Add</i>	0.14
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.24
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.38
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.52
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.76
		<i>For >100 To 250, Add</i>	0.37
		<i>For >250 To 500, Add</i>	0.16
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.13
		<i>For >10,000 To 20,000, Deduct</i>	-0.20
		<i>For >20,000, Deduct</i>	-0.27

09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	1.18
		<i>For Work >15' To 20' Above Floor, Add</i>	0.10
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.17
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.36
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.57
		<i>For >100 To 250, Add</i>	0.28
		<i>For >250 To 500, Add</i>	0.13
		<i>For >2,500 To 5,000, Deduct</i>	-0.06
		<i>For >5,000 To 10,000, Deduct</i>	-0.12
		<i>For >10,000 To 20,000, Deduct</i>	-0.18
		<i>For >20,000, Deduct</i>	-0.24

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)

09 91 23 00-0061 Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)

09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.21
		<i>For Oil Based Paint, Add</i>	0.01
		<i>For Work >15' To 20' Above Floor, Add</i>	0.03
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.04
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.13
		<i>For >100 To 250, Add</i>	0.06
		<i>For >250 To 500, Add</i>	0.03
		<i>For >2,500 To 5,000, Deduct</i>	-0.01
		<i>For >5,000 To 10,000, Deduct</i>	-0.02
		<i>For >10,000 To 20,000, Deduct</i>	-0.03
		<i>For >20,000, Deduct</i>	-0.04

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0063	SF	1	Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.21	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Orange Peel Finish, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.14	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0064	SF	1	Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.26	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Orange Peel Finish, Add</i>	0.17	
			<i>For Epoxy Paint, Add</i>	0.13	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.81	
			<i>For >100 To 250, Add</i>	0.39	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0065	SF	2	Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	2.30	
			<i>For Oil Based Paint, Add</i>	0.14	
			<i>For Orange Peel Finish, Add</i>	0.32	
			<i>For Epoxy Paint, Add</i>	0.25	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.74	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.02	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.46	
			<i>For >100 To 250, Add</i>	0.70	
			<i>For >250 To 500, Add</i>	0.30	
			<i>For >2,500 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000 To 20,000, Deduct</i>	-0.35	
			<i>For >20,000, Deduct</i>	-0.46	
09 91 23 00-0066	SF	3	Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	3.30	
			<i>For Oil Based Paint, Add</i>	0.20	
			<i>For Orange Peel Finish, Add</i>	0.45	
			<i>For Epoxy Paint, Add</i>	0.36	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.66	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	1.06	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.45	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	2.08	
			<i>For >100 To 250, Add</i>	0.99	
			<i>For >250 To 500, Add</i>	0.43	
			<i>For >2,500 To 5,000, Deduct</i>	-0.17	
			<i>For >5,000 To 10,000, Deduct</i>	-0.33	
			<i>For >10,000 To 20,000, Deduct</i>	-0.50	
			<i>For >20,000, Deduct</i>	-0.66	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0067 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.97	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.13	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0068 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.08	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.15	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0069 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.95	
For Oil Based Paint, Add	0.12	
For Orange Peel Finish, Add	0.26	
For Epoxy Paint, Add	0.24	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 23 00-0070 SF 1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.81	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0071	SF		1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.86	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.12	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0072	SF		2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	1.43	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.24	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.29	
09 91 23 00-0073			Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color		
			Paint ^(09 91 23 00-0060)		
09 91 23 00-0074	SF		2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	2.67	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.02	
			<i>For >100 To 250, Add</i>	0.52	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.13	
			<i>For >5,000 To 10,000, Deduct</i>	-0.27	
			<i>For >10,000 To 20,000, Deduct</i>	-0.40	
			<i>For >20,000, Deduct</i>	-0.53	
09 91 23 00-0075	SF		3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls.....	2.94	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.25	
			<i>For >2,500 To 5,000, Deduct</i>	-0.15	
			<i>For >5,000 To 10,000, Deduct</i>	-0.29	
			<i>For >10,000 To 20,000, Deduct</i>	-0.44	
			<i>For >20,000, Deduct</i>	-0.59	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0076 SF 4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	3.22	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'		
For Up To 100, Add	1.10	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000 To 20,000, Deduct	-0.48	
For >20,000, Deduct	-0.64	
09 91 23 00-0077 Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)	1.02	
09 91 23 00-0078 SF 1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.09	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.11	
For >250 To 500, Add	-0.05	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.20	
09 91 23 00-0079 SF 1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.18	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0080 SF 2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.91	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 23 00-0081 SF Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.82	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'		
For Work >30' To 40' Above Floor, Add	0.66	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.90	
Note: Applied only to work area above 40'		
For Up To 100, Add	1.26	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	

09 91 23 00-0082 Paint Interior Metal Walls (09 91 23 00-0001)

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0083		Paint Interior Galvanized Walls <small>(09 91 23 00-0082)</small>	
Note: Linseed oil or acrylic latex paint.			
09 91 23 00-0084	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.50
		For Electrostatic Painting, Add	0.22
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.26
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.42
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.57
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.85
		For >100 To 250, Add	0.41
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.23
		For >20,000, Deduct	-0.30
09 91 23 00-0085	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	1.64
		For Electrostatic Painting, Add	0.23
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.30
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.47
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.65
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.95
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.25
		For >20,000, Deduct	-0.33
09 91 23 00-0086	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces.....	2.99
		For Electrostatic Painting, Add	0.44
		For Work >15' To 20' Above Floor, Add	0.31
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.52
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.83
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.14
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.69
		For >100 To 250, Add	0.82
		For >250 To 500, Add	0.36
		For >2,500 To 5,000, Deduct	-0.15
		For >5,000 To 10,000, Deduct	-0.30
		For >10,000 To 20,000, Deduct	-0.45
		For >20,000, Deduct	-0.60
09 91 23 00-0087	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.12
		For Electrostatic Painting, Add	0.17
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.19
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.30
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.41
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.61
		For >100 To 250, Add	0.30
		For >250 To 500, Add	0.13
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.17
		For >20,000, Deduct	-0.22
09 91 23 00-0088	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	1.29
		For Electrostatic Painting, Add	0.19
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.36
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.49
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.73
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.26



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0089 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.42	
For Electrostatic Painting, Add	0.36	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.65	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.90	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.34	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.36	
For >20,000, Deduct	-0.48	
09 91 23 00-0090 SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.94	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.16	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0091 SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.19	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0092 SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	2.03	
For Electrostatic Painting, Add	0.36	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	

09 91 23 00-0093 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0082)
 Note: Alkyd enamel paint.

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0094	SF		1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces.....	1.50	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.57	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 23 00-0095	SF		1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces.....	1.64	
			For Electrostatic Painting, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.65	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 23 00-0096	SF		2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces.....	2.98	
			For Electrostatic Painting, Add	0.43	
			For Work >15' To 20' Above Floor, Add	0.31	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.52	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.83	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.14	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.69	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.36	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.45	
			For >20,000, Deduct	-0.60	
09 91 23 00-0097	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.27	
			For Electrostatic Painting, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0098	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.42	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.49	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0099 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.69	
For Electrostatic Painting, Add	0.43	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.65	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.90	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.38	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.54	
09 91 23 00-0100 SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.03	
For Electrostatic Painting, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 23 00-0101 SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.19	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0102 SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	2.03	
For Electrostatic Painting, Add	0.36	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.41	

09 91 23 00-0103 Paint Interior Corrugated Metal Walls (09 91 23 00-0082)

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0104	SF 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls.....	1.15	
	For Electrostatic Painting, Add	0.21	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 23 00-0105	SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls.....	1.48	
	For Electrostatic Painting, Add	0.24	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.74	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 23 00-0106	SF 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls.....	2.51	
	For Electrostatic Painting, Add	0.43	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.16	
	For >100 To 250, Add	0.58	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.50	
09 91 23 00-0107	Paint Interior Stucco Walls (09 91 23 00-0001)		
09 91 23 00-0108	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces.....	0.36	
	For Oil Based Paint, Add	0.02	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.08	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.12	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.23	
	For >100 To 250, Add	0.11	
	For >250 To 500, Add	0.05	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 20,000, Deduct	-0.05	
	For >20,000, Deduct	-0.07	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0109 SF 1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces.....	1.95	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.65	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.89	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.26	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 23 00-0110 SF 1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.15	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.71	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.97	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.38	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 23 00-0111 SF 2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.83	
For Oil Based Paint, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.46	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.77	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.68	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.41	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
For >2,500 To 5,000, Deduct	-0.19	
For >5,000 To 10,000, Deduct	-0.38	
For >10,000 To 20,000, Deduct	-0.57	
For >20,000, Deduct	-0.77	
09 91 23 00-0112 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.50	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0113 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces.....	1.70	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0114	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	3.14	
			<i>For Oil Based Paint, Add</i>	0.20	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.95	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.30	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.89	
			<i>For >100 To 250, Add</i>	0.91	
			<i>For >250 To 500, Add</i>	0.39	
			<i>For >2,500 To 5,000, Deduct</i>	-0.16	
			<i>For >5,000 To 10,000, Deduct</i>	-0.31	
			<i>For >10,000 To 20,000, Deduct</i>	-0.47	
			<i>For >20,000, Deduct</i>	-0.63	
09 91 23 00-0115	SF		1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	1.06	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0116	SF		1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.31	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.69	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.26	
09 91 23 00-0117	SF		2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	2.52	
			<i>For Oil Based Paint, Add</i>	0.17	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.66	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.90	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.36	
			<i>For >100 To 250, Add</i>	0.66	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.13	
			<i>For >5,000 To 10,000, Deduct</i>	-0.25	
			<i>For >10,000 To 20,000, Deduct</i>	-0.38	
			<i>For >20,000, Deduct</i>	-0.50	

09 91 23 00-0118 Paint Interior Wood Walls (09 91 23 00-0001)

09 91 23 00-0119 Interior Wood Walls (09 91 23 00-0118)



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0120 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.25	
For Oil Based Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.11	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	
09 91 23 00-0121 SF 1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.47	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.66	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0122 SF 2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	2.70	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.32	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.54	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.86	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.70	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.54	
09 91 23 00-0123 SF 3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	3.85	
For Oil Based Paint, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.45	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.76	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.67	
Note: Applied only to work area above 40'.		
For Up To 100, Add	2.40	
For >100 To 250, Add	1.14	
For >250 To 500, Add	0.50	
For >2,500 To 5,000, Deduct	-0.19	
For >5,000 To 10,000, Deduct	-0.39	
For >10,000 To 20,000, Deduct	-0.58	
For >20,000, Deduct	-0.77	
09 91 23 00-0124 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	1.06	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0125	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.20	
	<i>For Oil Based Paint, Add</i>	0.07	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.23	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.37	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.51	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.74	
	<i>For >100 To 250, Add</i>	0.35	
	<i>For >250 To 500, Add</i>	0.15	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.12	
	<i>For >10,000 To 20,000, Deduct</i>	-0.18	
	<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0126	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	2.15	
	<i>For Oil Based Paint, Add</i>	0.14	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.64	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.88	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.28	
	<i>For >100 To 250, Add</i>	0.62	
	<i>For >250 To 500, Add</i>	0.27	
	<i>For >2,500 To 5,000, Deduct</i>	-0.11	
	<i>For >5,000 To 10,000, Deduct</i>	-0.22	
	<i>For >10,000 To 20,000, Deduct</i>	-0.32	
	<i>For >20,000, Deduct</i>	-0.43	
09 91 23 00-0127	SF 1 Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.78	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.07	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.11	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.39	
	<i>For >100 To 250, Add</i>	0.19	
	<i>For >250 To 500, Add</i>	0.08	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.08	
	<i>For >10,000 To 20,000, Deduct</i>	-0.12	
	<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0128	SF 1 Coat Paint, Sprayed, Paint Interior Wood Walls.....	0.97	
	<i>For Oil Based Paint, Add</i>	0.07	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.32	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.50	
	<i>For >100 To 250, Add</i>	0.24	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.15	
	<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0129	SF 2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.81	
	<i>For Oil Based Paint, Add</i>	0.13	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.42	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.57	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.90	
	<i>For >100 To 250, Add</i>	0.44	
	<i>For >250 To 500, Add</i>	0.19	
	<i>For >2,500 To 5,000, Deduct</i>	-0.09	
	<i>For >5,000 To 10,000, Deduct</i>	-0.18	
	<i>For >10,000 To 20,000, Deduct</i>	-0.27	
	<i>For >20,000, Deduct</i>	-0.36	



Finishes	09	
Painting and Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0130	Paint Interior Ceilings (09 91 23)	
09 91 23 00-0131	Paint Interior Acoustical Ceilings (09 91 23 00-0130)	
	Note: Includes grid.	
09 91 23 00-0132	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.43
	For Oil Based Paint, Add	0.03
	For Work >15' To 20' Above Floor, Add	0.03
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.05
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.08
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.12
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.19
	For >100 To 250, Add	0.10
	For >250 To 500, Add	0.04
	For >2,500 To 5,000, Deduct	-0.02
	For >5,000 To 10,000, Deduct	-0.04
	For >10,000 To 20,000, Deduct	-0.06
	For >20,000, Deduct	-0.09
09 91 23 00-0133	SF 1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.31
	For Oil Based Paint, Add	0.08
	For Work >15' To 20' Above Floor, Add	0.16
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.26
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.42
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.57
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.82
	For >100 To 250, Add	0.39
	For >250 To 500, Add	0.17
	For >2,500 To 5,000, Deduct	-0.07
	For >5,000 To 10,000, Deduct	-0.13
	For >10,000 To 20,000, Deduct	-0.20
	For >20,000, Deduct	-0.26
09 91 23 00-0134	SF 1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.40
	For Oil Based Paint, Add	0.08
	For Work >15' To 20' Above Floor, Add	0.18
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.30
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.47
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	0.65
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	0.92
	For >100 To 250, Add	0.44
	For >250 To 500, Add	0.19
	For >2,500 To 5,000, Deduct	-0.07
	For >5,000 To 10,000, Deduct	-0.14
	For >10,000 To 20,000, Deduct	-0.21
	For >20,000, Deduct	-0.28
09 91 23 00-0135	SF 2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.52
	For Oil Based Paint, Add	0.15
	For Work >15' To 20' Above Floor, Add	0.31
	Note: Applied only to work area above 15' to 20'.	
	For Work >20' To 30' Above Floor, Add	0.52
	Note: Applied only to work area above 20' to 30'.	
	For Work >30' To 40' Above Floor, Add	0.83
	Note: Applied only to work area above 30' to 40'.	
	For Work >40' Above Floor, Add	1.14
	Note: Applied only to work area above 40'.	
	For Up To 100, Add	1.63
	For >100 To 250, Add	0.77
	For >250 To 500, Add	0.33
	For >2,500 To 5,000, Deduct	-0.13
	For >5,000 To 10,000, Deduct	-0.25
	For >10,000 To 20,000, Deduct	-0.38
	For >20,000, Deduct	-0.50

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0136	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.14	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 23 00-0137	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.11	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.49	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 23 00-0138	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	2.06	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.24	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.65	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.89	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.28	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.41	
09 91 23 00-0139	SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.98	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0140	SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.93	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0141 SF 2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.53	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 23 00-0142 Paint Interior Concrete Ceilings (09 91 23 00-0130)		
09 91 23 00-0143 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.23	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.05	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.08	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.10	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.05	
09 91 23 00-0144 SF 1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.30	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0145 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.40	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0146	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	2.51	
	For Oil Based Paint, Add	0.15	
	For Epoxy Paint, Add	0.26	
	For Work >15' To 20' Above Floor, Add	0.31	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.52	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.83	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.14	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.62	
	For >100 To 250, Add	0.77	
	For >250 To 500, Add	0.33	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.50	
09 91 23 00-0147	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.01	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0148	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.11	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.49	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 23 00-0149	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	2.07	
	For Oil Based Paint, Add	0.13	
	For Epoxy Paint, Add	0.24	
	For Work >15' To 20' Above Floor, Add	0.24	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.65	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.90	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.29	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.41	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0150 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.93	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.33	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0151 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.93	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0152 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.52	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.24	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0153 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.35	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0154 SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	1.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0155	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling.....	0.99	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.51	
	<i>For >100 To 250, Add</i>	0.25	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.15	
	<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0156	Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0130).....	0.23	
09 91 23 00-0157	LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.23	
	<i>For Epoxy Paint, Add</i>	0.02	
	<i>For Oil Based Paint, Add</i>	0.01	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.03	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.05	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.15	
	<i>For >100 To 250, Add</i>	0.07	
	<i>For >250 To 500, Add</i>	0.03	
	<i>For >2,500 To 5,000, Deduct</i>	-0.01	
	<i>For >5,000 To 10,000, Deduct</i>	-0.02	
	<i>For >10,000 To 20,000, Deduct</i>	-0.03	
	<i>For >20,000, Deduct</i>	-0.05	
09 91 23 00-0158	SF 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling.....	1.31	
	<i>For Epoxy Paint, Add</i>	0.15	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Orange Peel Finish, Add</i>	0.18	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.42	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.57	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.82	
	<i>For >100 To 250, Add</i>	0.39	
	<i>For >250 To 500, Add</i>	0.17	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.13	
	<i>For >10,000 To 20,000, Deduct</i>	-0.20	
	<i>For >20,000, Deduct</i>	-0.26	
09 91 23 00-0159	SF 1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.40	
	<i>For Epoxy Paint, Add</i>	0.14	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Orange Peel Finish, Add</i>	0.20	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.47	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.65	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.92	
	<i>For >100 To 250, Add</i>	0.44	
	<i>For >250 To 500, Add</i>	0.19	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.14	
	<i>For >10,000 To 20,000, Deduct</i>	-0.21	
	<i>For >20,000, Deduct</i>	-0.28	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0160 SF 2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	2.52	
For Epoxy Paint, Add	0.26	
For Oil Based Paint, Add	0.15	
For Orange Peel Finish, Add	0.35	
For Work >15' To 20' Above Floor, Add	0.31	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.52	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.83	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.14	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.63	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.38	
For >20,000, Deduct	-0.50	
09 91 23 00-0161 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	1.14	
For Epoxy Paint, Add	0.14	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0162 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	1.11	
For Epoxy Paint, Add	0.12	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0163 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	2.06	
For Epoxy Paint, Add	0.24	
For Oil Based Paint, Add	0.13	
For Orange Peel Finish, Add	0.28	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.65	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.89	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.28	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0164	SF 1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.98	
	For Epoxy Paint, Add	0.15	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0165	SF 1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.93	
	For Epoxy Paint, Add	0.13	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0166	SF 2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.53	
	For Epoxy Paint, Add	0.24	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.25	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.54	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	
09 91 23 00-0167	Paint Interior Metal Ceilings (09 91 23 00-0130)		
09 91 23 00-0168	Galvanized Surfaces, Galvanized Primer (09 91 23 00-0167)		
	Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0169	SF 1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.64	
	For Electrostatic Painting, Add	0.23	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.95	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0170 SF 1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.79	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0171 SF 2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	3.27	
For Electrostatic Painting, Add	0.46	
For Work >15' To 20' Above Floor, Add	0.35	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.59	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.94	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.91	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.49	
For >20,000, Deduct	-0.65	
09 91 23 00-0172 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.27	
For Electrostatic Painting, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0173 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.42	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0174 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.61	
For Electrostatic Painting, Add	0.37	
For Work >15' To 20' Above Floor, Add	0.28	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.47	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.74	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.02	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.51	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.52	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0175	SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.19	
	<i>For Electrostatic Painting, Add</i>	0.20	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.57	
	<i>For >100 To 250, Add</i>	0.28	
	<i>For >250 To 500, Add</i>	0.13	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.12	
	<i>For >10,000 To 20,000, Deduct</i>	-0.18	
	<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0176	SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.34	
	<i>For Electrostatic Painting, Add</i>	0.21	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.32	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.45	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.69	
	<i>For >100 To 250, Add</i>	0.34	
	<i>For >250 To 500, Add</i>	0.15	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.13	
	<i>For >10,000 To 20,000, Deduct</i>	-0.20	
	<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0177	SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	2.20	
	<i>For Electrostatic Painting, Add</i>	0.38	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.46	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.63	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.01	
	<i>For >100 To 250, Add</i>	0.51	
	<i>For >250 To 500, Add</i>	0.22	
	<i>For >2,500 To 5,000, Deduct</i>	-0.11	
	<i>For >5,000 To 10,000, Deduct</i>	-0.22	
	<i>For >10,000 To 20,000, Deduct</i>	-0.33	
	<i>For >20,000, Deduct</i>	-0.44	
09 91 23 00-0178	Aluminum And Aluminum Alloy Surface Pretreatment Primer <small>(09 91 23 00-0167)</small>		
	<i>Note: Alkyd enamel paint.</i>		
09 91 23 00-0179	SF 1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.64	
	<i>For Electrostatic Painting, Add</i>	0.23	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.47	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.65	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.95	
	<i>For >100 To 250, Add</i>	0.46	
	<i>For >250 To 500, Add</i>	0.20	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.16	
	<i>For >10,000 To 20,000, Deduct</i>	-0.25	
	<i>For >20,000, Deduct</i>	-0.33	



	Finishes	09
	Painting and Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0180 SF 1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.79	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.53	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.73	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0181 SF 2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	3.27	
For Electrostatic Painting, Add	0.46	
For Work >15' To 20' Above Floor, Add	0.35	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.59	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.94	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.91	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
For >2,500 To 5,000, Deduct	-0.16	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.49	
For >20,000, Deduct	-0.65	
09 91 23 00-0182 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.42	
For Electrostatic Painting, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0183 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.57	
For Electrostatic Painting, Add	0.24	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 23 00-0184 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.96	
For Electrostatic Painting, Add	0.46	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.76	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.05	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.58	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.30	
For >10,000 To 20,000, Deduct	-0.44	
For >20,000, Deduct	-0.59	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0185	SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.19	
	<i>For Electrostatic Painting, Add</i>	0.20	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.57	
	<i>For >100 To 250, Add</i>	0.28	
	<i>For >250 To 500, Add</i>	0.13	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.12	
	<i>For >10,000 To 20,000, Deduct</i>	-0.18	
	<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0186	SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.34	
	<i>For Electrostatic Painting, Add</i>	0.21	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.32	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.45	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.69	
	<i>For >100 To 250, Add</i>	0.34	
	<i>For >250 To 500, Add</i>	0.15	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.13	
	<i>For >10,000 To 20,000, Deduct</i>	-0.20	
	<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0187	SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.20	
	<i>For Electrostatic Painting, Add</i>	0.38	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.46	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.63	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.01	
	<i>For >100 To 250, Add</i>	0.51	
	<i>For >250 To 500, Add</i>	0.22	
	<i>For >2,500 To 5,000, Deduct</i>	-0.11	
	<i>For >5,000 To 10,000, Deduct</i>	-0.22	
	<i>For >10,000 To 20,000, Deduct</i>	-0.33	
	<i>For >20,000, Deduct</i>	-0.44	
09 91 23 00-0188	Paint Interior Ceiling Tile Grid <small>(09 91 23 00-0167)</small>		
	<i>Note: Grid only.</i>		
09 91 23 00-0189	LF 1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.34	
	<i>For Electrostatic Painting, Add</i>	0.04	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.04	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.07	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.11	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.21	
	<i>For >100 To 250, Add</i>	0.10	
	<i>For >250 To 500, Add</i>	0.04	
	<i>For >2,500 To 5,000, Deduct</i>	-0.02	
	<i>For >5,000 To 10,000, Deduct</i>	-0.03	
	<i>For >10,000 To 20,000, Deduct</i>	-0.05	
	<i>For >20,000, Deduct</i>	-0.07	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0190 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.68	
For Electrostatic Painting, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0191 Paint Interior Corrugated Metal Ceilings (09 91 23 00-0167)		
09 91 23 00-0192 SF 1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.57	
For Electrostatic Painting, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 23 00-0193 SF 1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.78	
For Electrostatic Painting, Add	0.28	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0194 SF 2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	2.92	
For Electrostatic Painting, Add	0.50	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.35	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.44	
For >20,000, Deduct	-0.58	
09 91 23 00-0195 Paint Interior Wood Ceilings (09 91 23 00-0130)		
09 91 23 00-0196 Paint Interior Smooth Wood Ceilings (09 91 23 00-0195)		

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0197	LF		1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.27	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.12	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 23 00-0198	SF		1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.61	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0199	SF		1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.66	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.53	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 23 00-0200	SF		2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	3.02	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.35	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.59	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.94	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.87	
			For >100 To 250, Add	0.89	
			For >250 To 500, Add	0.39	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.45	
			For >20,000, Deduct	-0.60	
09 91 23 00-0201	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.33	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.49	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0202 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.42	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0203 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.67	
For Oil Based Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.76	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.05	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.54	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.53	
09 91 23 00-0204 SF 1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.99	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0205 SF 1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.15	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0206 SF 2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.80	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0207		Paint Interior Wood Beams <small>(09 91 23 00-0130)</small>	
09 91 23 00-0208	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.76
		<i>For Oil Based Paint, Add</i>	0.11
		<i>For Work >15' To 20' Above Floor, Add</i>	0.21
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.35
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.55
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.76
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.09
		<i>For >100 To 250, Add</i>	0.52
		<i>For >250 To 500, Add</i>	0.23
		<i>For >2,500 To 5,000, Deduct</i>	-0.09
		<i>For >5,000 To 10,000, Deduct</i>	-0.18
		<i>For >10,000 To 20,000, Deduct</i>	-0.26
		<i>For >20,000, Deduct</i>	-0.35
09 91 23 00-0209	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.80
		<i>For Oil Based Paint, Add</i>	0.11
		<i>For Work >15' To 20' Above Floor, Add</i>	0.22
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.37
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.59
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.81
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.15
		<i>For >100 To 250, Add</i>	0.55
		<i>For >250 To 500, Add</i>	0.24
		<i>For >2,500 To 5,000, Deduct</i>	-0.09
		<i>For >5,000 To 10,000, Deduct</i>	-0.18
		<i>For >10,000 To 20,000, Deduct</i>	-0.27
		<i>For >20,000, Deduct</i>	-0.36
09 91 23 00-0210	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	3.29
		<i>For Oil Based Paint, Add</i>	0.20
		<i>For Work >15' To 20' Above Floor, Add</i>	0.39
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.66
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	1.05
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	1.45
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	2.07
		<i>For >100 To 250, Add</i>	0.99
		<i>For >250 To 500, Add</i>	0.43
		<i>For >2,500 To 5,000, Deduct</i>	-0.16
		<i>For >5,000 To 10,000, Deduct</i>	-0.33
		<i>For >10,000 To 20,000, Deduct</i>	-0.49
		<i>For >20,000, Deduct</i>	-0.66
09 91 23 00-0211	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.46
		<i>For Oil Based Paint, Add</i>	0.10
		<i>For Work >15' To 20' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.41
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.56
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.83
		<i>For >100 To 250, Add</i>	0.40
		<i>For >250 To 500, Add</i>	0.18
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.15
		<i>For >10,000 To 20,000, Deduct</i>	-0.22
		<i>For >20,000, Deduct</i>	-0.29
09 91 23 00-0212	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.42
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Work >15' To 20' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.26
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.42
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.57
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.84
		<i>For >100 To 250, Add</i>	0.40
		<i>For >250 To 500, Add</i>	0.18
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.14
		<i>For >10,000 To 20,000, Deduct</i>	-0.21
		<i>For >20,000, Deduct</i>	-0.28



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0213 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.67	
For Oil Based Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.76	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.05	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.54	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.53	
09 91 23 00-0214 SF 1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	1.15	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0215 SF 1 Coat Paint, Sprayed, Paint Interior Wood Beams.....	1.15	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0216 SF 2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.94	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 23 00-0217 Paint Interior Floors And Decks (09 91 23)		
09 91 23 00-0218 Paint Interior Concrete Floors And Decks (09 91 23 00-0217)		
09 91 23 00-0219 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks.....	0.19	
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	23 00-0220	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	1.01	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.13	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91	23 00-0221	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.11	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.12	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91	23 00-0222	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.17	
			For Oil Based Paint, Add	0.13	
			For Epoxy Paint, Add	0.24	
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.43	
09 91	23 00-0223	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.99	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.13	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91	23 00-0224	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.96	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91	23 00-0225	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.59	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.21	
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91	23 00-0226	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.78	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.14	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91	23 00-0227	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.77	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.12	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0228 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	1.37	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.23	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 23 00-0229 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks.....	1.06	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0230 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	1.04	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0231 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks.....	0.84	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0232 SF 1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	2.49	
For Up To 100, Add	0.91	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.50	
09 91 23 00-0233 SF 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251).....	6.86	
For Up To 100, Add	1.57	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.43	
For >2,500 To 5,000, Deduct	-0.34	
For >5,000 To 10,000, Deduct	-0.69	
For >10,000 To 20,000, Deduct	-1.03	
For >20,000, Deduct	-1.37	
09 91 23 00-0234 Paint Interior Wood Floors And Decks <small>(09 91 23 00-0217)</small>		
09 91 23 00-0235 LF 1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks.....	0.22	
For Up To 100, Add	0.14	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 23 00-0236 SF 1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks.....	1.28	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 23 00-0237 SF 1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.37	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0238	SF		2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.57	
			<i>For Oil Based Paint, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.53	
			<i>For >100 To 250, Add</i>	0.73	
			<i>For >250 To 500, Add</i>	0.32	
			<i>For >2,500 To 5,000, Deduct</i>	-0.13	
			<i>For >5,000 To 10,000, Deduct</i>	-0.26	
			<i>For >10,000 To 20,000, Deduct</i>	-0.39	
			<i>For >20,000, Deduct</i>	-0.51	
09 91 23 00-0239	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.06	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0240	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.22	
09 91 23 00-0241	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	2.24	
			<i>For Oil Based Paint, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 250, Add</i>	0.59	
			<i>For >250 To 500, Add</i>	0.26	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.22	
			<i>For >10,000 To 20,000, Deduct</i>	-0.34	
			<i>For >20,000, Deduct</i>	-0.45	
09 91 23 00-0242	SF		1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.83	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.42	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0243	SF		1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks.....	0.99	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0244	SF		2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks.....	1.49	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0245	SF		1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.49	
			<i>For Up To 100, Add</i>	0.91	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.21	
			<i>For >2,500 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.25	
			<i>For >10,000 To 20,000, Deduct</i>	-0.37	
			<i>For >20,000, Deduct</i>	-0.50	
09 91 23 00-0246	SF		1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks.....	6.86	
			<i>For Up To 100, Add</i>	1.57	
			<i>For >100 To 250, Add</i>	0.91	
			<i>For >250 To 500, Add</i>	0.43	
			<i>For >2,500 To 5,000, Deduct</i>	-0.34	
			<i>For >5,000 To 10,000, Deduct</i>	-0.69	
			<i>For >10,000 To 20,000, Deduct</i>	-1.03	
			<i>For >20,000, Deduct</i>	-1.37	
09 91 23 00-0247			Paint Interior Doors And Windows (09 91 23)		
09 91 23 00-0248			Paint Interior Door Frames (09 91 23 00-0247)		
09 91 23 00-0249	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.46	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.39	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0250 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.89	
For Oil Based Paint, Add	0.10	
For Painting One Face Of Frame Only, Deduct	-0.50	
09 91 23 00-0251 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	3.20	
For Oil Based Paint, Add	0.18	
For Painting One Face Of Frame Only, Deduct	-0.85	
09 91 23 00-0252 LF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.48	
For Oil Based Paint, Add	0.08	
For Painting One Face Of Frame Only, Deduct	-0.40	
09 91 23 00-0253 LF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.91	
For Oil Based Paint, Add	0.11	
For Painting One Face Of Frame Only, Deduct	-0.51	
09 91 23 00-0254 LF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	3.23	
For Oil Based Paint, Add	0.18	
For Painting One Face Of Frame Only, Deduct	-0.86	
09 91 23 00-0255 Paint Interior Metal Doors (09 91 23 00-0247)		
09 91 23 00-0256 EA 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door.....	74.02	
For Electrostatic Painting, Add	12.08	
For Half Louvered Door, Add	6.42	
For Full Louvered Door, Add	10.71	
For Oil Based Paint, Add	5.26	
For >5 To 10, Deduct	-3.70	
For >10 To 25, Deduct	-7.40	
For >25, Deduct	-11.10	
09 91 23 00-0257 EA 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	74.02	
For Electrostatic Painting, Add	12.08	
For Half Louvered Door, Add	6.42	
For Full Louvered Door, Add	10.71	
For Oil Based Paint, Add	5.26	
For >5 To 10, Deduct	-3.70	
For >10 To 25, Deduct	-7.40	
For >25, Deduct	-11.10	
09 91 23 00-0258 EA 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	134.34	
For Electrostatic Painting, Add	22.74	
For Half Louvered Door, Add	10.85	
For Full Louvered Door, Add	18.08	
For Oil Based Paint, Add	9.82	
For >5 To 10, Deduct	-6.72	
For >10 To 25, Deduct	-13.43	
For >25, Deduct	-20.15	
09 91 23 00-0259 EA 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	132.84	
For Electrostatic Painting, Add	21.69	
For Half Louvered Door, Add	11.52	
For Full Louvered Door, Add	19.19	
For Oil Based Paint, Add	9.45	
For >5 To 10, Deduct	-6.64	
For >10 To 25, Deduct	-13.28	
For >25, Deduct	-19.93	
09 91 23 00-0260 EA 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	132.86	
For Electrostatic Painting, Add	21.70	
For Half Louvered Door, Add	11.52	
For Full Louvered Door, Add	19.20	
For Oil Based Paint, Add	9.45	
For >5 To 10, Deduct	-6.64	
For >10 To 25, Deduct	-13.29	
For >25, Deduct	-19.93	
09 91 23 00-0261 EA 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	242.06	
For Electrostatic Painting, Add	41.03	
For Half Louvered Door, Add	19.49	
For Full Louvered Door, Add	32.48	
For Oil Based Paint, Add	17.71	
For >5 To 10, Deduct	-12.10	
For >10 To 25, Deduct	-24.21	
For >25, Deduct	-36.31	
09 91 23 00-0262 EA 1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door.....	62.65	
For Electrostatic Painting, Add	11.41	
For Half Louvered Door, Add	4.25	
For Full Louvered Door, Add	7.08	
For Oil Based Paint, Add	4.85	
For >5 To 10, Deduct	-3.13	
For >10 To 25, Deduct	-6.27	
For >25, Deduct	-9.40	
09 91 23 00-0263 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door.....	62.65	
For Electrostatic Painting, Add	11.41	
For Half Louvered Door, Add	4.25	
For Full Louvered Door, Add	7.08	
For Oil Based Paint, Add	4.85	
For >5 To 10, Deduct	-3.13	
For >10 To 25, Deduct	-6.27	
For >25, Deduct	-9.40	

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0264	EA		2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door.....	116.06	
			<i>For Electrostatic Painting, Add</i>	21.84	
			<i>For Half Louvered Door, Add</i>	7.18	
			<i>For Full Louvered Door, Add</i>	11.96	
			<i>For Oil Based Paint, Add</i>	9.21	
			<i>For >5 To 10, Deduct</i>	-5.80	
			<i>For >10 To 25, Deduct</i>	-11.61	
			<i>For >25, Deduct</i>	-17.41	
09 91 23 00-0265	EA		1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door.....	112.50	
			<i>For Electrostatic Painting, Add</i>	20.50	
			<i>For Half Louvered Door, Add</i>	7.62	
			<i>For Full Louvered Door, Add</i>	12.71	
			<i>For Oil Based Paint, Add</i>	8.71	
			<i>For >5 To 10, Deduct</i>	-5.63	
			<i>For >10 To 25, Deduct</i>	-11.25	
			<i>For >25, Deduct</i>	-16.88	
09 91 23 00-0266	EA		1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	112.50	
			<i>For Electrostatic Painting, Add</i>	20.50	
			<i>For Half Louvered Door, Add</i>	7.62	
			<i>For Full Louvered Door, Add</i>	12.71	
			<i>For Oil Based Paint, Add</i>	8.71	
			<i>For >5 To 10, Deduct</i>	-5.63	
			<i>For >10 To 25, Deduct</i>	-11.25	
			<i>For >25, Deduct</i>	-16.88	
09 91 23 00-0267	EA		2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	209.33	
			<i>For Electrostatic Painting, Add</i>	39.44	
			<i>For Half Louvered Door, Add</i>	12.90	
			<i>For Full Louvered Door, Add</i>	21.50	
			<i>For Oil Based Paint, Add</i>	16.63	
			<i>For >5 To 10, Deduct</i>	-10.47	
			<i>For >10 To 25, Deduct</i>	-20.93	
			<i>For >25, Deduct</i>	-31.40	
09 91 23 00-0268			Paint Interior Wood Doors (09 91 23 00-0247)		
09 91 23 00-0269	EA		1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	68.69	
			<i>For Oil Based Paint, Add</i>	4.73	
			<i>For Half Louvered Door, Add</i>	6.42	
			<i>For Full Louvered Door, Add</i>	10.71	
			<i>For >5 To 10, Deduct</i>	-3.43	
			<i>For >10 To 25, Deduct</i>	-6.87	
			<i>For >25, Deduct</i>	-10.30	
09 91 23 00-0270	EA		1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	68.69	
			<i>For Oil Based Paint, Add</i>	4.73	
			<i>For Half Louvered Door, Add</i>	6.42	
			<i>For Full Louvered Door, Add</i>	10.71	
			<i>For >5 To 10, Deduct</i>	-3.43	
			<i>For >10 To 25, Deduct</i>	-6.87	
			<i>For >25, Deduct</i>	-10.30	
09 91 23 00-0271	EA		2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	123.76	
			<i>For Oil Based Paint, Add</i>	8.76	
			<i>For Half Louvered Door, Add</i>	10.85	
			<i>For Full Louvered Door, Add</i>	18.09	
			<i>For >5 To 10, Deduct</i>	-6.19	
			<i>For >10 To 25, Deduct</i>	-12.38	
			<i>For >25, Deduct</i>	-18.56	
09 91 23 00-0272	EA		1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	123.29	
			<i>For Oil Based Paint, Add</i>	8.49	
			<i>For Half Louvered Door, Add</i>	11.52	
			<i>For Full Louvered Door, Add</i>	19.20	
			<i>For >5 To 10, Deduct</i>	-6.16	
			<i>For >10 To 25, Deduct</i>	-12.33	
			<i>For >25, Deduct</i>	-18.49	
09 91 23 00-0273	EA		1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	123.29	
			<i>For Oil Based Paint, Add</i>	8.49	
			<i>For Half Louvered Door, Add</i>	11.52	
			<i>For Full Louvered Door, Add</i>	19.20	
			<i>For >5 To 10, Deduct</i>	-6.16	
			<i>For >10 To 25, Deduct</i>	-12.33	
			<i>For >25, Deduct</i>	-18.49	
09 91 23 00-0274	EA		2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	222.91	
			<i>For Oil Based Paint, Add</i>	15.80	
			<i>For Half Louvered Door, Add</i>	19.49	
			<i>For Full Louvered Door, Add</i>	32.48	
			<i>For >5 To 10, Deduct</i>	-11.15	
			<i>For >10 To 25, Deduct</i>	-22.29	
			<i>For >25, Deduct</i>	-33.44	
09 91 23 00-0275	EA		1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door.....	56.79	
			<i>For Oil Based Paint, Add</i>	4.26	
			<i>For Half Louvered Door, Add</i>	4.25	
			<i>For Full Louvered Door, Add</i>	7.08	
			<i>For >5 To 10, Deduct</i>	-2.84	
			<i>For >10 To 25, Deduct</i>	-5.68	
			<i>For >25, Deduct</i>	-8.52	



Finishes	09	
Painting and Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0276 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	56.79	
For Oil Based Paint, Add	4.26	
For Half Louvered Door, Add	4.25	
For Full Louvered Door, Add	7.08	
For >5 To 10, Deduct	-2.84	
For >10 To 25, Deduct	-5.68	
For >25, Deduct	-8.52	
09 91 23 00-0277 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door.....	104.44	
For Oil Based Paint, Add	8.05	
For Half Louvered Door, Add	7.18	
For Full Louvered Door, Add	11.97	
For >5 To 10, Deduct	-5.22	
For >10 To 25, Deduct	-10.44	
For >25, Deduct	-15.67	
09 91 23 00-0278 EA 1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door.....	101.97	
For Oil Based Paint, Add	7.66	
For Half Louvered Door, Add	7.62	
For Full Louvered Door, Add	12.71	
For >5 To 10, Deduct	-5.10	
For >10 To 25, Deduct	-10.20	
For >25, Deduct	-15.30	
09 91 23 00-0279 EA 1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	101.97	
For Oil Based Paint, Add	7.66	
For Half Louvered Door, Add	7.62	
For Full Louvered Door, Add	12.71	
For >5 To 10, Deduct	-5.10	
For >10 To 25, Deduct	-10.20	
For >25, Deduct	-15.30	
09 91 23 00-0280 EA 2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	188.27	
For Oil Based Paint, Add	14.53	
For Half Louvered Door, Add	12.90	
For Full Louvered Door, Add	21.50	
For >5 To 10, Deduct	-9.41	
For >10 To 25, Deduct	-18.83	
For >25, Deduct	-28.24	
09 91 23 00-0281 Paint Interior Metal Windows (09 91 23 00-0247)		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0282 EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	116.71	
For Oil Based Paint, Add	6.87	
For Electrostatic Painting, Add	14.78	
For >5 To 10, Deduct	-5.84	
For >10 To 25, Deduct	-11.67	
For >25, Deduct	-17.51	
09 91 23 00-0283 EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	142.78	
For Oil Based Paint, Add	8.74	
For Electrostatic Painting, Add	19.08	
For >5 To 10, Deduct	-7.14	
For >10 To 25, Deduct	-14.28	
For >25, Deduct	-21.42	
09 91 23 00-0284 EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	193.16	
For Oil Based Paint, Add	11.93	
For Electrostatic Painting, Add	26.14	
For >5 To 10, Deduct	-9.66	
For >10 To 25, Deduct	-19.32	
For >25, Deduct	-28.97	
09 91 23 00-0285 EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	217.58	
For Oil Based Paint, Add	13.45	
For Electrostatic Painting, Add	29.47	
For >5 To 10, Deduct	-10.88	
For >10 To 25, Deduct	-21.76	
For >25, Deduct	-32.64	
09 91 23 00-0286 EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	241.16	
For Oil Based Paint, Add	14.89	
For Electrostatic Painting, Add	32.60	
For >5 To 10, Deduct	-12.06	
For >10 To 25, Deduct	-24.12	
For >25, Deduct	-36.17	
09 91 23 00-0287 SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work.....	7.65	
For Oil Based Paint, Add	0.47	
For Electrostatic Painting, Add	1.03	

09 91 23 00-0288 Paint Interior Wood Windows (09 91 23 00-0247)
 Note: Two finish coats paint over primer.

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0289	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	113.17	
			<i>For Oil Based Paint, Add</i>	6.52	
			<i>For >5 To 10, Deduct</i>	-5.66	
			<i>For >10 To 25, Deduct</i>	-11.32	
			<i>For >25, Deduct</i>	-16.98	
09 91 23 00-0290	EA		>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	137.31	
			<i>For Oil Based Paint, Add</i>	8.19	
			<i>For >5 To 10, Deduct</i>	-6.87	
			<i>For >10 To 25, Deduct</i>	-13.73	
			<i>For >25, Deduct</i>	-20.60	
09 91 23 00-0291	EA		>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	189.48	
			<i>For Oil Based Paint, Add</i>	11.36	
			<i>For >5 To 10, Deduct</i>	-9.47	
			<i>For >10 To 25, Deduct</i>	-18.95	
			<i>For >25, Deduct</i>	-28.42	
09 91 23 00-0292	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	213.40	
			<i>For Oil Based Paint, Add</i>	12.80	
			<i>For >5 To 10, Deduct</i>	-10.67	
			<i>For >10 To 25, Deduct</i>	-21.34	
			<i>For >25, Deduct</i>	-32.01	
09 91 23 00-0293	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	231.51	
			<i>For Oil Based Paint, Add</i>	13.92	
			<i>For >5 To 10, Deduct</i>	-11.58	
			<i>For >10 To 25, Deduct</i>	-23.15	
			<i>For >25, Deduct</i>	-34.73	
09 91 23 00-0294	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	7.72	
			<i>For Oil Based Paint, Add</i>	0.46	
09 91 23 00-0295			Paint Interior Security Screens <small>(09 91 23 00-0247)</small>		
09 91 23 00-0296	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.83	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Electrostatic Painting, Add</i>	0.25	
09 91 23 00-0297	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.83	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Electrostatic Painting, Add</i>	0.23	
09 91 23 00-0298	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	3.05	
			<i>For Oil Based Paint, Add</i>	0.18	
			<i>For Electrostatic Painting, Add</i>	0.39	
09 91 23 00-0299			Paint Interior Window Guards <small>(09 91 23 00-0247)</small>		
09 91 23 00-0300	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.83	
			<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0301	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.83	
			<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0302	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	3.05	
			<i>For Oil Based Paint, Add</i>	0.18	
09 91 23 00-0303			Paint Interior Window Trim <small>(09 91 23 00-0247)</small>		
09 91 23 00-0304	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.81	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.53	
09 91 23 00-0305	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.81	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.53	
09 91 23 00-0306	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.93	
			<i>For Oil Based Paint, Add</i>	0.25	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-1.13	
09 91 23 00-0307	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim	2.01	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.61	
09 91 23 00-0308	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim	2.01	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.61	
09 91 23 00-0309	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim	4.33	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-1.29	
09 91 23 00-0310			Paint Interior Cabinets And Casework <small>(09 91 23)</small>		
09 91 23 00-0311			Paint Interior Wood Cabinets And Casework <small>(09 91 23 00-0310)</small>		
09 91 23 00-0312	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.62	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.24	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0313 SF 1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	2.24	
<i>For >5,000 To 10,000, Deduct</i>	-0.11	
<i>For >10,000 To 20,000, Deduct</i>	-0.22	
<i>For >20,000, Deduct</i>	-0.34	
09 91 23 00-0314 SF 1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	3.79	
<i>For >5,000 To 10,000, Deduct</i>	-0.19	
<i>For >10,000 To 20,000, Deduct</i>	-0.38	
<i>For >20,000, Deduct</i>	-0.57	
09 91 23 00-0315 Paint Exposed Metal Lockers And Cabinets <small>(09 91 23 00-0310)</small>		
09 91 23 00-0316 SF 1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.70	
<i>For >5,000 To 10,000, Deduct</i>	-0.09	
<i>For >10,000 To 20,000, Deduct</i>	-0.17	
<i>For >20,000, Deduct</i>	-0.26	
09 91 23 00-0317 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker.....	1.68	
<i>For >5,000 To 10,000, Deduct</i>	-0.08	
<i>For >10,000 To 20,000, Deduct</i>	-0.17	
<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0318 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker.....	3.14	
<i>For >5,000 To 10,000, Deduct</i>	-0.16	
<i>For >10,000 To 20,000, Deduct</i>	-0.31	
<i>For >20,000, Deduct</i>	-0.47	
09 91 23 00-0319 Paint Interior Stairs <small>(09 91 23)</small>		
09 91 23 00-0320 Paint Interior Concrete Stairs <small>(09 91 23 00-0319)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0321 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	21.90	
09 91 23 00-0322 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	21.90	
09 91 23 00-0323 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	17.33	
Note: Excludes riser.		
09 91 23 00-0324 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	34.77	
Note: Excludes riser.		
09 91 23 00-0325 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	43.79	
09 91 23 00-0326 Paint Interior Metal Stairs <small>(09 91 23 00-0319)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0327 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	12.06	
09 91 23 00-0328 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	11.60	
09 91 23 00-0329 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	23.22	
09 91 23 00-0330 Paint Interior Wood Stairs <small>(09 91 23 00-0319)</small>		
Note: Includes the riser and tread.		
09 91 23 00-0331 RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	11.41	
09 91 23 00-0332 RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	11.41	
09 91 23 00-0333 RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	12.08	
Note: Excludes riser.		
09 91 23 00-0334 RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	29.52	
Note: Excludes riser.		
09 91 23 00-0335 RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	22.83	
09 91 23 00-0336 Paint Interior Stair Nosing <small>(09 91 23 00-0319)</small>		
09 91 23 00-0337 LF 1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	2.00	
09 91 23 00-0338 Paint Interior Trim <small>(09 91 23)</small>		
09 91 23 00-0339 Paint Interior Metal Trim <small>(09 91 23 00-0338)</small>		
09 91 23 00-0340 SF 1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.53	
<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work >20' To 30' Above Floor, Add</i>	0.31	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work >30' To 40' Above Floor, Add</i>	0.49	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work >40' Above Floor, Add</i>	0.68	
<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0341 SF 1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.66	
<i>For Work >15' To 20' Above Floor, Add</i>	0.20	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work >20' To 30' Above Floor, Add</i>	0.34	
<i>Note: Applied only to work area above 20' to 30'.</i>		
<i>For Work >30' To 40' Above Floor, Add</i>	0.54	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work >40' Above Floor, Add</i>	0.75	
<i>Note: Applied only to work area above 40'.</i>		

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0342	SF 2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim.....	3.01	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.61	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.97	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	1.33	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0343	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.29	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.54	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0344	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.39	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.27	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.44	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.60	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0345	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	2.53	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.29	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.49	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.78	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	1.07	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0346	Paint Interior Wood Trim <small>(09 91 23 00-0338)</small>		
09 91 23 00-0347	LF 1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide.....	1.00	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.49	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Oil Based Paint, Add</i>	0.06	
09 91 23 00-0348	LF 1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	1.12	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.54	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Oil Based Paint, Add</i>	0.06	
09 91 23 00-0349	LF 2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide.....	2.30	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.32	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.53	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.84	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	1.16	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Oil Based Paint, Add</i>	0.12	
09 91 23 00-0350	SF 1 Coat Primer, Brush Work, Paint Interior Wood Trim.....	3.12	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.39	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.66	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	1.05	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	1.45	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Oil Based Paint, Add</i>	0.18	



Finishes	09	
Painting and Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0351 SF 1 Coat Paint, Brush Work, Paint Interior Wood Trim.....	3.47	
For Work >15' To 20' Above Floor, Add	0.44	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.73	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.61	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.20	
09 91 23 00-0352 SF 2 Coats Paint, Brush Work, Paint Interior Wood Trim.....	6.31	
For Work >15' To 20' Above Floor, Add	0.78	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	1.31	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	2.09	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	2.87	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.37	
09 91 23 00-0353 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	2.59	
For Work >15' To 20' Above Floor, Add	0.32	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.53	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.16	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.15	
09 91 23 00-0354 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.89	
For Work >15' To 20' Above Floor, Add	0.35	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.59	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.94	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.29	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.17	
09 91 23 00-0355 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	5.23	
For Work >15' To 20' Above Floor, Add	0.62	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	1.04	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	1.66	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	2.28	
Note: Applied only to work area above 40'.		
For Oil Based Paint, Add	0.32	
09 91 23 00-0356 Paint Interior Metal Surfaces (09 91 23)		
09 91 23 00-0357 Paint Interior Miscellaneous Metal Surfaces (09 91 23 00-0356)		
09 91 23 00-0358 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.07	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

09 Finishes
09 90 Painting and Coating
09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0359	SF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.26	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.77	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0360	SF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	2.27	
			<i>For Electrostatic Painting, Add</i>	0.31	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.70	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.96	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 250, Add</i>	0.66	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000 To 20,000, Deduct</i>	-0.34	
			<i>For >20,000, Deduct</i>	-0.45	
09 91 23 00-0361	SF		1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.34	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.80	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0362	SF		1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.34	
			<i>For Electrostatic Painting, Add</i>	0.19	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.80	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.13	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0363	SF		2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	2.20	
			<i>For Electrostatic Painting, Add</i>	0.32	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.62	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.86	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.27	
			<i>For >100 To 250, Add</i>	0.61	
			<i>For >250 To 500, Add</i>	0.27	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.22	
			<i>For >10,000 To 20,000, Deduct</i>	-0.33	
			<i>For >20,000, Deduct</i>	-0.44	



Finishes	09	09
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0364 Paint Additives (09 91 23)		
09 91 23 00-0365 SF	Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02
09 91 23 00-0366 SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08
	<i>For Class "A" Fire Rating, Add</i>	<i>0.08</i>

09 91 23 00-0367 Hand Painting Letters/Numbers (09 91 23)		
Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0368 EA	Up To 1" High, Hand Paint, Per Letter/Number	3.11
09 91 23 00-0369 EA	1" To 2" High, Hand Paint, Per Letter/Number.....	3.60
09 91 23 00-0370 EA	2" To 3" High, Hand Paint, Per Letter/Number.....	5.43
09 91 23 00-0371 EA	3" To 4" High, Hand Paint, Per Letter/Number.....	6.63
09 91 23 00-0372 EA	4" To 6" High, Hand Paint, Per Letter/Number.....	9.13
09 91 23 00-0373 EA	6" To 12" High, Hand Paint, Per Letter/Number.....	11.55
09 91 23 00-0374 EA	Over 12" High, Hand Paint, Per Letter/Number	13.53

09 91 23 00-0375 Glove/Mitt Application (09 91 23)

09 91 23 00-0376 Conduit/Pipe (09 91 23 00-0375)		
09 91 23 00-0377 CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	58.31
	<i>For Work >15' To 20' Above Floor, Add</i>	<i>7.97</i>
	<i>Note: Applied only to work area above 15' to 20'</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	<i>13.29</i>
	<i>Note: Applied only to work area above 20' to 30'</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	<i>21.26</i>
	<i>Note: Applied only to work area above 30' to 40'</i>	
	<i>For Work >40' Above Floor, Add</i>	<i>29.24</i>
	<i>Note: Applied only to work area above 40'</i>	
09 91 23 00-0378 CSF	Metal Primer Conduit Or Pipe With Glove/Mitt.....	105.42
	<i>For Work >15' To 20' Above Floor, Add</i>	<i>9.57</i>
	<i>Note: Applied only to work area above 15' to 20'</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	<i>15.95</i>
	<i>Note: Applied only to work area above 20' to 30'</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	<i>25.52</i>
	<i>Note: Applied only to work area above 30' to 40'</i>	
	<i>For Work >40' Above Floor, Add</i>	<i>35.09</i>
	<i>Note: Applied only to work area above 40'</i>	
09 91 23 00-0379 CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	84.28
	<i>For Work >15' To 20' Above Floor, Add</i>	<i>7.02</i>
	<i>Note: Applied only to work area above 15' to 20'</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	<i>11.70</i>
	<i>Note: Applied only to work area above 20' to 30'</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	<i>18.72</i>
	<i>Note: Applied only to work area above 30' to 40'</i>	
	<i>For Work >40' Above Floor, Add</i>	<i>25.73</i>
	<i>Note: Applied only to work area above 40'</i>	
09 91 23 00-0380 CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	70.20
	<i>For Work >15' To 20' Above Floor, Add</i>	<i>5.26</i>
	<i>Note: Applied only to work area above 15' to 20'</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	<i>8.77</i>
	<i>Note: Applied only to work area above 20' to 30'</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	<i>14.04</i>
	<i>Note: Applied only to work area above 30' to 40'</i>	
	<i>For Work >40' Above Floor, Add</i>	<i>19.30</i>
	<i>Note: Applied only to work area above 40'</i>	
09 91 23 00-0381 CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	137.81
	<i>For Work >15' To 20' Above Floor, Add</i>	<i>7.97</i>
	<i>Note: Applied only to work area above 15' to 20'</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	<i>13.29</i>
	<i>Note: Applied only to work area above 20' to 30'</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	<i>21.26</i>
	<i>Note: Applied only to work area above 30' to 40'</i>	
	<i>For Work >40' Above Floor, Add</i>	<i>29.24</i>
	<i>Note: Applied only to work area above 40'</i>	
09 91 23 00-0382 CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	127.94
	<i>For Work >15' To 20' Above Floor, Add</i>	<i>7.02</i>
	<i>Note: Applied only to work area above 15' to 20'</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	<i>11.70</i>
	<i>Note: Applied only to work area above 20' to 30'</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	<i>18.72</i>
	<i>Note: Applied only to work area above 30' to 40'</i>	
	<i>For Work >40' Above Floor, Add</i>	<i>25.73</i>
	<i>Note: Applied only to work area above 40'</i>	

09 91 23 00-0383 Ductwork (09 91 23 00-0375)

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0384	CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	58.31	
	<i>For Work >15' To 20' Above Floor, Add</i>	7.97	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	13.29	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	21.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	29.24	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0385	CSF Metal Primer Ductwork With Glove/Mitt.....	93.68	
	<i>For Work >15' To 20' Above Floor, Add</i>	7.97	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	13.29	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	21.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	29.24	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0386	CSF Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt.....	76.57	
	<i>For Work >15' To 20' Above Floor, Add</i>	6.38	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	10.63	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	17.01	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	23.39	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0387	CSF Epoxy Paint, First Coat Ductwork With Glove/Mitt.....	131.74	
	<i>For Work >15' To 20' Above Floor, Add</i>	7.97	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	13.29	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	21.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	29.24	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0388	CSF Epoxy Paint, Second Coat Ductwork With Glove/Mitt.....	116.20	
	<i>For Work >15' To 20' Above Floor, Add</i>	6.38	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	10.63	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	17.01	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	23.39	
	<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0389	Stencil Painting Letters/Numbers <small>(09 91 23)</small>		
	<i>Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.</i>		
09 91 23 00-0390	EA Up To 1" High, Stencil Painting, Per Letter/Number.....	2.55	
	<i>For >200 To 500, Deduct</i>	-0.20	
	<i>For >500 To 1,000, Deduct</i>	-0.32	
	<i>For >1,000 To 2,000, Deduct</i>	-0.41	
	<i>For >2,000, Deduct</i>	-0.51	
09 91 23 00-0391	EA 1" To 2" High, Stencil Painting, Per Letter/Number.....	2.94	
	<i>For >200 To 500, Deduct</i>	-0.24	
	<i>For >500 To 1,000, Deduct</i>	-0.37	
	<i>For >1,000 To 2,000, Deduct</i>	-0.47	
	<i>For >2,000, Deduct</i>	-0.59	
09 91 23 00-0392	EA 2" To 3" High, Stencil Painting, Per Letter/Number.....	4.90	
	<i>For >200 To 500, Deduct</i>	-0.39	
	<i>For >500 To 1,000, Deduct</i>	-0.61	
	<i>For >1,000 To 2,000, Deduct</i>	-0.78	
	<i>For >2,000, Deduct</i>	-0.98	
09 91 23 00-0393	EA 3" To 4" High, Stencil Painting, Per Letter/Number.....	6.00	
	<i>For >200 To 500, Deduct</i>	-0.48	
	<i>For >500 To 1,000, Deduct</i>	-0.75	
	<i>For >1,000 To 2,000, Deduct</i>	-0.96	
	<i>For >2,000, Deduct</i>	-1.20	
09 91 23 00-0394	EA 4" To 6" High, Stencil Painting, Per Letter/Number.....	8.26	
	<i>For >200 To 500, Deduct</i>	-0.66	
	<i>For >500 To 1,000, Deduct</i>	-1.03	
	<i>For >1,000 To 2,000, Deduct</i>	-1.32	
	<i>For >2,000, Deduct</i>	-1.65	
09 91 23 00-0395	EA 6" To 12" High, Stencil Painting, Per Letter/Number.....	10.94	
	<i>For >200 To 500, Deduct</i>	-0.88	
	<i>For >500 To 1,000, Deduct</i>	-1.37	
	<i>For >1,000 To 2,000, Deduct</i>	-1.75	
	<i>For >2,000, Deduct</i>	-2.19	
09 91 23 00-0396	EA Over 12" High, Stencil Painting, Per Letter/Number.....	12.88	
	<i>For >200 To 500, Deduct</i>	-1.03	
	<i>For >500 To 1,000, Deduct</i>	-1.61	
	<i>For >1,000 To 2,000, Deduct</i>	-2.06	
	<i>For >2,000, Deduct</i>	-2.58	



		Finishes	09
		Painting and Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer (09 91 33)

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	77.18
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	62.77
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	79.59
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	176.62
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	65.64
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	101.20
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	81.23
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	62.77
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	57.03
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	100.52
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	83.69
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	83.69
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	94.36
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	61.54
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	132.09
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	65.64
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	52.51
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	135.80
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base.....	84.68
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	95.55

09 91 33 00-0022 Paint (09 91 33)

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	45.95
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	227.83
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	24.62
		Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	142.36
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	74.67
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	24.62
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	37.33
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	101.82
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	100.52
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	82.05
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base.....	75.22
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	71.39
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	84.10
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	74.67
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel.....	106.29
09 91 33 00-0038	GAL	Cold Galvanizing Paint	352.88
09 91 33 00-0039	GAL	High Heat Paint.....	187.01
09 91 33 00-0040	GAL	Heat Resistant Paint.....	124.67
09 91 33 00-0041	GAL	Zinc Chromate Paint.....	112.80
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	44.53
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	124.67
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	74.67
09 91 33 00-0045	GAL	Alkyd Latex, Black	92.52
09 91 33 00-0046	GAL	Alkyd Latex, White	84.10
09 91 33 00-0047	GAL	Alkyd Latex, Colors.....	101.42
09 91 33 00-0048	QT	Wrought Iron Paint, Black	113.79
09 91 33 00-0049	GAL	Vinyl Paint.....	125.54
09 91 33 00-0050	GAL	Silicone Alkyd	152.62
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	155.08
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	194.47
09 91 33 00-0053	GAL	Chlorinated Rubber.....	142.77
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer.....	147.70
09 91 33 00-0055	GAL	Coal Tar Epoxy	105.85
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	132.11
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	172.31
09 91 33 00-0058	GAL	Swimming Pool Rubber Base.....	118.16
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	75.08
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	92.51
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	153.85
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	52.10
09 91 33 00-0063	GAL	Linseed Oil.....	45.54
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	74.67
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	84.10
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	76.92
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	61.81

09 91 33 00-0068 Stain, Varnish (09 91 33)

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	42.67
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	79.59
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	70.98
09 91 33 00-0072	GAL	Varnish, Clear.....	43.29
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	31.45

09 Finishes

09 90 Painting and Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0074	GAL		Redwood Hue Or Clear Stain	28.10	
09 91 33 00-0075	GAL		Polyurethane.....	49.34	
09 91 33 00-0076	GAL		Lacquer, Semi-Gloss	74.89	
09 91 33 00-0077	GAL		Shellac, Clear	98.24	
09 91 33 00-0078	GAL		Acetone.....	32.41	
09 91 33 00-0079	GAL		Paint Thinner	8.00	
09 91 33 00-0080	GAL		Shellac Or Lacquer Thinner	32.82	
09 91 33 00-0081	GAL		Turpentine.....	45.13	
09 91 33 00-0082	GAL		Wood Filler Paste	77.13	
09 91 33 00-0083	GAL		Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	61.54	
09 91 33 00-0084	GAL		Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	103.41	
09 91 43 Surface Preparation (09 91)					
See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.					
09 93 Staining and Transparent Finishing (09 90)					
Note: Includes light sanding or screening between coats.					
09 93 13 Exterior Staining and Finishing (09 93)					
09 93 13 53 Exterior Finishing (09 93 13)					
09 93 13 53-0001 Stain Sealer (09 93 13 53)					
Note: Measured by surface area of wall or ceiling.					
09 93 13 53-0002	SF		Stain Sealer, Brush Work.....	1.16	
			<i>For Ceiling Work, Add</i>	0.16	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.06	
			<i>For >20,000, Deduct</i>	-0.10	
09 93 13 53-0003	SF		Stain Sealer, Brush/Roller Work	0.92	
			<i>For Ceiling Work, Add</i>	0.12	
			<i>For >5,000 To 10,000, Deduct</i>	-0.03	
			<i>For >10,000 To 20,000, Deduct</i>	-0.05	
			<i>For >20,000, Deduct</i>	-0.08	
09 93 13 53-0004	SF		Stain Sealer, Sprayed.....	0.36	
			<i>For Ceiling Work, Add</i>	0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.01	
			<i>For >10,000 To 20,000, Deduct</i>	-0.02	
			<i>For >20,000, Deduct</i>	-0.04	
09 93 23 Interior Staining and Finishing (09 93)					
Note: VOC compliant in all regulated areas, review specifications for levels.					
09 93 23 13 Interior Staining (09 93 23)					
09 93 23 13-0001 Stain Wood Trim (09 93 23 13)					
09 93 23 13-0002	LF		Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.41	
			<i>For Up To 100, Add</i>	1.01	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >4,000, Deduct</i>	-0.07	
09 93 23 13-0003	SF		Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	2.09	
			<i>For Up To 100, Add</i>	1.48	
			<i>For >100 To 250, Add</i>	0.70	
			<i>For >250 To 500, Add</i>	0.30	
			<i>For >4,000, Deduct</i>	-0.10	
09 93 23 13-0004 Stain Wood Floor (09 93 23 13)					
09 93 23 13-0005	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.65	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >4,000, Deduct</i>	-0.03	
09 93 23 13-0006	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.49	
			<i>For Up To 100, Add</i>	0.28	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >4,000, Deduct</i>	-0.02	
09 93 23 13-0007 Stain Wood Door And Window (09 93 23 13)					
09 93 23 13-0008	EA		Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face).....	68.13	
			<i>For Up To 4, Add</i>	49.78	
			<i>For >4 To 10, Add</i>	23.30	
			<i>For >10 To 20, Add</i>	10.00	
			<i>For >160, Deduct</i>	-3.41	
09 93 23 13-0009	EA		Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	48.41	
			<i>For Up To 4, Add</i>	34.37	
			<i>For >4 To 10, Add</i>	16.14	
			<i>For >10 To 20, Add</i>	6.94	
			<i>For >160, Deduct</i>	-2.42	



		Finishes	09
		Painting and Coating	09 90
		Staining and Transparent Finishing	09 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0010 Stain Wood Cabinet <small>(09 93 23 13)</small>		
09 93 23 13-0011 SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.70	
09 93 23 53 Interior Finishing <small>(09 93 23)</small>		
09 93 23 53-0001 Concrete Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0002 SF Finish Concrete Floor, 1 Coat Polyurethane.....	0.99	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >4,000, Deduct	-0.05	
09 93 23 53-0003 Wood Trim Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0004 SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.71	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >4,000, Deduct	-0.09	
09 93 23 53-0005 SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane.....	1.14	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >4,000, Deduct	-0.06	
09 93 23 53-0006 Wood Floor Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0007 SF Refinish Wood Floor, 2 Coats Polyurethane.....	3.58	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.54	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
For >4,000, Deduct	-0.18	
09 93 23 53-0008 SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.86	
Note: Includes screening between coats.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >4,000, Deduct	-0.04	
09 93 23 53-0009 SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	4.11	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.87	
For >100 To 250, Add	1.35	
For >250 To 500, Add	0.58	
For >4,000, Deduct	-0.21	
09 93 23 53-0010 Wood Door And Window Finishes <small>(09 93 23 53)</small>		
See CSI section 08 14 16 00-0757 for factory finish.		
09 93 23 53-0011 EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....	49.20	
For Up To 4, Add	35.86	
For >4 To 10, Add	16.79	
For >10 To 20, Add	7.21	
For >160, Deduct	-2.46	
09 93 23 53-0012 EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....	149.06	
For Up To 4, Add	107.01	
For >4 To 10, Add	50.18	
For >10 To 20, Add	21.56	
For >160, Deduct	-7.45	
09 93 23 53-0013 Cabinet Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0014 SF Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....	1.71	
09 93 23 53-0015 Gym, Stage And Dance Floor Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0016 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor.....	1.13	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor.....	4.93	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.10	
09 93 23 53-0018 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	5.03	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.10	

09 Finishes

09 90 Painting and Coating

09 93 Staining and Transparent Finishing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0019	SF		Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.14	
			<i>For Stage Or Dance Floors, Deduct</i>	-0.10	
09 93 23 53-0020	SF		Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor..... Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.93	
			<i>For Stage Or Dance Floors, Deduct</i>	-0.10	
09 93 23 53-0021	SF		Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor..... Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.03	
			<i>For Stage Or Dance Floors, Deduct</i>	-0.10	
09 93 23 53-0022	SF		Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	5.14	
			<i>For Stage Or Dance Floors, Deduct</i>	-0.10	

09 96 High-Performance Coatings (09 90)

09 96 23 Graffiti-Resistant Coatings (09 96)

09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)

09 96 23 00-0002	SF		Sacrificial Anti-Graffiti Coating, Per Coat.....	1.73	
			<i>For Up To 100, Add</i>	1.06	
			<i>For >100 To 250, Add</i>	0.51	
			<i>For >250 To 500, Add</i>	0.22	
09 96 23 00-0003	SF		Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.83	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 250, Add</i>	0.52	
			<i>For >250 To 500, Add</i>	0.22	

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001 Elastomeric Painting (09 96 53)

09 96 53 00-0002	SF		1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors..... Note: Per coat.	1.06	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.68	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.16	
			<i>For >20,000, Deduct</i>	-0.21	
09 96 53 00-0003	SF		1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors.....	0.89	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	



Finishes	09	09
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0004 SF 1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.71	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 96 53 00-0005 SF 1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	2.16	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 96 53 00-0006 SF 1 Coat, 13 To 16 Wet Mills, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	2.00	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 96 53 00-0007 SF 1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.11	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	
09 96 53 00-0008 SF 1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	1.20	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

09 Finishes

09 90 Painting and Coating

09 96 High-Performance Coatings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 96 53 00-0009	SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	1.02	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.34	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.47	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.66	
	<i>For >100 To 250, Add</i>	0.31	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.15	
	<i>For >20,000, Deduct</i>	-0.20	
09 96 53 00-0010	SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.79	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.45	
	<i>For >100 To 250, Add</i>	0.22	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.08	
	<i>For >10,000 To 20,000, Deduct</i>	-0.12	
	<i>For >20,000, Deduct</i>	-0.16	
09 96 53 00-0011	SF 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.32	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.47	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.65	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.06	
	<i>For >100 To 250, Add</i>	0.53	
	<i>For >250 To 500, Add</i>	0.23	
	<i>For >2,500 To 5,000, Deduct</i>	-0.12	
	<i>For >5,000 To 10,000, Deduct</i>	-0.23	
	<i>For >10,000 To 20,000, Deduct</i>	-0.35	
	<i>For >20,000, Deduct</i>	-0.46	
09 96 53 00-0012	SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	2.13	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.54	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.91	
	<i>For >100 To 250, Add</i>	0.46	
	<i>For >250 To 500, Add</i>	0.21	
	<i>For >2,500 To 5,000, Deduct</i>	-0.11	
	<i>For >5,000 To 10,000, Deduct</i>	-0.21	
	<i>For >10,000 To 20,000, Deduct</i>	-0.32	
	<i>For >20,000, Deduct</i>	-0.43	
09 96 53 00-0013	SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.20	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.73	
	<i>For >100 To 250, Add</i>	0.39	
	<i>For >250 To 500, Add</i>	0.18	
	<i>For >2,500 To 5,000, Deduct</i>	-0.11	
	<i>For >5,000 To 10,000, Deduct</i>	-0.22	
	<i>For >10,000 To 20,000, Deduct</i>	-0.33	
	<i>For >20,000, Deduct</i>	-0.44	

09 96 56 Epoxy Coatings (09 96)

09 96 56 00-0001 High Build Epoxy (09 96 56)

09 96 56 00-0002	SF 50 Mil, High Build Epoxy	3.58	
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Finishes	09	09
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 96 56 00-0003	Laminated Epoxy With Fiberglass <small>(09 96 56)</small>	
09 96 56 00-0004	SF Laminated Epoxy With Fiberglass	7.15

09 96 66 Aggregate Wall Coatings (09 96)

09 96 66 00-0001	Troweled On <small>(09 96 66)</small>	
09 96 66 00-0002	SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	4.91
09 96 66 00-0003	SF Exposed Aggregate - 1/2" To 5/8" Troweled On.....	8.83
09 96 66 00-0004	SF Exposed Aggregate - 1" Troweled On	13.10

09 96 66 00-0005	Sprayed On <small>(09 96 66)</small>	
09 96 66 00-0006	SF Exposed Aggregate - 1/8" - Sprayed On.....	3.99

09 97 Special Coatings (09 90)

09 97 13 Steel Coatings (09 97)

09 97 13 23 Exterior Steel Coatings (09 97 13)

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001	Surface Preparation For Structural Steel <small>(09 97 13 23)</small>	
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		

09 97 13 23-0002	SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>	
Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.		

09 97 13 23-0003	SF Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.87
	<i>For Up To 100, Add</i>	1.40
	<i>For >100 To 250, Add</i>	0.65
	<i>For >250 To 500, Add</i>	0.28
09 97 13 23-0004	SF Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.79
	<i>For Up To 100, Add</i>	1.34
	<i>For >100 To 250, Add</i>	0.63
	<i>For >250 To 500, Add</i>	0.27
09 97 13 23-0005	SF Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.79
	<i>For Up To 100, Add</i>	1.34
	<i>For >100 To 250, Add</i>	0.63
	<i>For >250 To 500, Add</i>	0.27
09 97 13 23-0006	SF Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	2.43
	<i>For Up To 100, Add</i>	1.82
	<i>For >100 To 250, Add</i>	0.85
	<i>For >250 To 500, Add</i>	0.36

09 97 13 23-0007 **SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel** (09 97 13 23-0001)

Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.

09 97 13 23-0008	SF Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.90
	<i>For Up To 100, Add</i>	1.43
	<i>For >100 To 250, Add</i>	0.67
	<i>For >250 To 500, Add</i>	0.29
09 97 13 23-0009	SF Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.83
	<i>For Up To 100, Add</i>	1.37
	<i>For >100 To 250, Add</i>	0.64
	<i>For >250 To 500, Add</i>	0.27
09 97 13 23-0010	SF Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.83
	<i>For Up To 100, Add</i>	1.37
	<i>For >100 To 250, Add</i>	0.64
	<i>For >250 To 500, Add</i>	0.27
09 97 13 23-0011	SF Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.48
	<i>For Up To 100, Add</i>	1.86
	<i>For >100 To 250, Add</i>	0.87
	<i>For >250 To 500, Add</i>	0.37
09 97 13 23-0012	SF >14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.23
	<i>For Up To 100, Add</i>	1.67
	<i>For >100 To 250, Add</i>	0.78
	<i>For >250 To 500, Add</i>	0.33

09	09 Finishes
	09 90 Painting and Coating
	09 97 Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0013 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>		
Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0014 SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....		1.17
For Up To 100, Add		0.82
For >100 To 250, Add		0.38
For >250 To 500, Add		0.17
09 97 13 23-0015 SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....		1.04
For Up To 100, Add		0.73
For >100 To 250, Add		0.34
For >250 To 500, Add		0.15
09 97 13 23-0016 SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....		1.03
For Up To 100, Add		0.72
For >100 To 250, Add		0.34
For >250 To 500, Add		0.15
09 97 13 23-0017 SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....		1.46
For Up To 100, Add		1.04
For >100 To 250, Add		0.49
For >250 To 500, Add		0.21

09 97 13 23-0018 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>		
Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.		
09 97 13 23-0019 SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....		3.02
For Up To 100, Add		2.16
For >100 To 250, Add		1.01
For >250 To 500, Add		0.44
09 97 13 23-0020 SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....		2.63
For Up To 100, Add		1.87
For >100 To 250, Add		0.88
For >250 To 500, Add		0.38
09 97 13 23-0021 SF Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....		2.44
For Up To 100, Add		1.73
For >100 To 250, Add		0.81
For >250 To 500, Add		0.35
09 97 13 23-0022 SF Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....		3.79
For Up To 100, Add		2.73
For >100 To 250, Add		1.28
For >250 To 500, Add		0.55

09 97 13 23-0023 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>		
Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		
09 97 13 23-0024 SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....		5.87
For Up To 100, Add		4.22
For >100 To 250, Add		1.98
For >250 To 500, Add		0.85
09 97 13 23-0025 SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....		5.03
For Up To 100, Add		3.60
For >100 To 250, Add		1.69
For >250 To 500, Add		0.73
09 97 13 23-0026 SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....		4.62
For Up To 100, Add		3.30
For >100 To 250, Add		1.55
For >250 To 500, Add		0.67
09 97 13 23-0027 SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....		7.12
For Up To 100, Add		5.16
For >100 To 250, Add		2.42
For >250 To 500, Add		1.04



Finishes	09	09
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0028	SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small> Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.	
09 97 13 23-0029	SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	4.37
	For Up To 100, Add	3.13
	For >100 To 250, Add	1.47
	For >250 To 500, Add	0.63
09 97 13 23-0030	SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.72
	For Up To 100, Add	2.66
	For >100 To 250, Add	1.25
	For >250 To 500, Add	0.54
09 97 13 23-0031	SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.51
	For Up To 100, Add	2.51
	For >100 To 250, Add	1.18
	For >250 To 500, Add	0.51
09 97 13 23-0032	SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	5.16
	For Up To 100, Add	3.74
	For >100 To 250, Add	1.75
	For >250 To 500, Add	0.75
09 97 13 23-0033	Protective Coatings For Tanks And Structural Steel <small>(09 97 13 23)</small> Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.	
09 97 13 23-0034	1.5 Mil Prime Coat For Structural Steel <small>(09 97 13 23-0033)</small>	
09 97 13 23-0035	SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat	1.24
	For Up To 100, Add	0.81
	For >100 To 250, Add	0.38
	For >250 To 500, Add	0.17
09 97 13 23-0036	SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.94
	For Up To 100, Add	0.60
	For >100 To 250, Add	0.29
	For >250 To 500, Add	0.12
09 97 13 23-0037	SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.83
	For Up To 100, Add	0.52
	For >100 To 250, Add	0.25
	For >250 To 500, Add	0.11
09 97 13 23-0038	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.48
	For Up To 100, Add	1.00
	For >100 To 250, Add	0.47
	For >250 To 500, Add	0.20
09 97 13 23-0039	SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.74
	For Up To 100, Add	1.19
	For >100 To 250, Add	0.56
	For >250 To 500, Add	0.24
09 97 13 23-0040	SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.29
	For Up To 100, Add	0.87
	For >100 To 250, Add	0.41
	For >250 To 500, Add	0.18
09 97 13 23-0041	SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat	1.16
	For Up To 100, Add	0.77
	For >100 To 250, Add	0.36
	For >250 To 500, Add	0.16
09 97 13 23-0042	SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	2.10
	For Up To 100, Add	1.46
	For >100 To 250, Add	0.69
	For >250 To 500, Add	0.30
09 97 13 23-0043	1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel <small>(09 97 13 23-0033)</small>	
09 97 13 23-0044	SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.67
	For Up To 100, Add	2.38
	For >100 To 250, Add	1.13
	For >250 To 500, Add	0.49
09 97 13 23-0045	SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.66
	For Up To 100, Add	1.66
	For >100 To 250, Add	0.79
	For >250 To 500, Add	0.34
09 97 13 23-0046	SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.46
	For Up To 100, Add	1.51
	For >100 To 250, Add	0.72
	For >250 To 500, Add	0.31
09 97 13 23-0047	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.46
	For Up To 100, Add	2.96
	For >100 To 250, Add	1.40
	For >250 To 500, Add	0.61

09 Finishes

09 90 Painting and Coating

09 97 Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0048 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.75	
For Up To 100, Add	1.79	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 23-0049 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.99	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
09 97 13 23-0050 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.85	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 23-0051 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.33	
For Up To 100, Add	2.21	
For >100 To 250, Add	1.05	
For >250 To 500, Add	0.45	
09 97 13 23-0052 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.54	
For Up To 100, Add	3.78	
For >100 To 250, Add	1.78	
For >250 To 500, Add	0.77	
09 97 13 23-0053 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.95	
For Up To 100, Add	2.63	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.54	
09 97 13 23-0054 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.63	
For Up To 100, Add	2.39	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
09 97 13 23-0055 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	6.80	
For Up To 100, Add	4.72	
For >100 To 250, Add	2.22	
For >250 To 500, Add	0.96	
09 97 13 23-0056 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	4.15	
For Up To 100, Add	2.84	
For >100 To 250, Add	1.34	
For >250 To 500, Add	0.58	
09 97 13 23-0057 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.96	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0058 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.73	
For Up To 100, Add	1.80	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 23-0059 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	5.10	
For Up To 100, Add	3.54	
For >100 To 250, Add	1.67	
For >250 To 500, Add	0.72	
09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0033)	2.83	
For Up To 100, Add	1.85	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
09 97 13 23-0062 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.31	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 23-0063 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.13	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0064 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.51	
For Up To 100, Add	2.36	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
09 97 13 23-0065 SF Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.81	
For Up To 100, Add	1.18	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0066 SF Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.48	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0067 SF Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.36	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0068 SF Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.25	
For Up To 100, Add	1.51	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	



Finishes	09	09
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97	13 23-0069	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.96	
			<i>For Up To 100, Add</i>	2.70	
			<i>For >100 To 250, Add</i>	1.27	
			<i>For >250 To 500, Add</i>	0.55	
09 97	13 23-0070	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.22	
			<i>For Up To 100, Add</i>	2.17	
			<i>For >100 To 250, Add</i>	1.02	
			<i>For >250 To 500, Add</i>	0.44	
09 97	13 23-0071	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.94	
			<i>For Up To 100, Add</i>	1.96	
			<i>For >100 To 250, Add</i>	0.93	
			<i>For >250 To 500, Add</i>	0.40	
09 97	13 23-0072	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	4.96	
			<i>For Up To 100, Add</i>	3.44	
			<i>For >100 To 250, Add</i>	1.62	
			<i>For >250 To 500, Add</i>	0.70	
09 97	13 23-0073	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.54	
			<i>For Up To 100, Add</i>	1.73	
			<i>For >100 To 250, Add</i>	0.82	
			<i>For >250 To 500, Add</i>	0.35	
09 97	13 23-0074	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.05	
			<i>For Up To 100, Add</i>	1.38	
			<i>For >100 To 250, Add</i>	0.65	
			<i>For >250 To 500, Add</i>	0.28	
09 97	13 23-0075	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.87	
			<i>For Up To 100, Add</i>	1.25	
			<i>For >100 To 250, Add</i>	0.59	
			<i>For >250 To 500, Add</i>	0.25	
09 97	13 23-0076	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	3.17	
			<i>For Up To 100, Add</i>	2.20	
			<i>For >100 To 250, Add</i>	1.03	
			<i>For >250 To 500, Add</i>	0.45	
09 97	13 23-0077		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel <small>(09 97 13 23-0033)</small>		
09 97	13 23-0078	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.68	
			<i>For Up To 100, Add</i>	2.76	
			<i>For >100 To 250, Add</i>	1.33	
			<i>For >250 To 500, Add</i>	0.58	
09 97	13 23-0079	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.42	
			<i>For Up To 100, Add</i>	1.89	
			<i>For >100 To 250, Add</i>	0.91	
			<i>For >250 To 500, Add</i>	0.40	
09 97	13 23-0080	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.03	
			<i>For Up To 100, Add</i>	1.59	
			<i>For >100 To 250, Add</i>	0.78	
			<i>For >250 To 500, Add</i>	0.34	
09 97	13 23-0081	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.29	
			<i>For Up To 100, Add</i>	3.19	
			<i>For >100 To 250, Add</i>	1.53	
			<i>For >250 To 500, Add</i>	0.66	
09 97	13 23-0082	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.27	
			<i>For Up To 100, Add</i>	1.93	
			<i>For >100 To 250, Add</i>	0.93	
			<i>For >250 To 500, Add</i>	0.40	
09 97	13 23-0083	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.39	
			<i>For Up To 100, Add</i>	1.32	
			<i>For >100 To 250, Add</i>	0.64	
			<i>For >250 To 500, Add</i>	0.28	
09 97	13 23-0084	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.12	
			<i>For Up To 100, Add</i>	1.12	
			<i>For >100 To 250, Add</i>	0.54	
			<i>For >250 To 500, Add</i>	0.24	
09 97	13 23-0085	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.70	
			<i>For Up To 100, Add</i>	2.24	
			<i>For >100 To 250, Add</i>	1.07	
			<i>For >250 To 500, Add</i>	0.47	
09 97	13 23-0086		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel <small>(09 97 13 23-0033)</small>		
09 97	13 23-0087	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.03	
			<i>For Up To 100, Add</i>	2.81	
			<i>For >100 To 250, Add</i>	1.36	
			<i>For >250 To 500, Add</i>	0.59	
09 97	13 23-0088	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.74	
			<i>For Up To 100, Add</i>	1.94	
			<i>For >100 To 250, Add</i>	0.95	
			<i>For >250 To 500, Add</i>	0.42	
09 97	13 23-0089	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.35	
			<i>For Up To 100, Add</i>	1.64	
			<i>For >100 To 250, Add</i>	0.81	
			<i>For >250 To 500, Add</i>	0.36	

09 Finishes

09 90 Painting and Coating

09 97 Special Coatings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 97 13 23-0090	SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.65	
	<i>For Up To 100, Add</i>	3.25	
	<i>For >100 To 250, Add</i>	1.57	
	<i>For >250 To 500, Add</i>	0.68	
09 97 13 23-0091	SF Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	4.12	
	<i>For Up To 100, Add</i>	2.30	
	<i>For >100 To 250, Add</i>	1.11	
	<i>For >250 To 500, Add</i>	0.49	
09 97 13 23-0092	SF Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	3.06	
	<i>For Up To 100, Add</i>	1.58	
	<i>For >100 To 250, Add</i>	0.77	
	<i>For >250 To 500, Add</i>	0.34	
09 97 13 23-0093	SF Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.75	
	<i>For Up To 100, Add</i>	1.35	
	<i>For >100 To 250, Add</i>	0.67	
	<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0094	SF Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.64	
	<i>For Up To 100, Add</i>	2.66	
	<i>For >100 To 250, Add</i>	1.28	
	<i>For >250 To 500, Add</i>	0.56	
09 97 13 23-0095 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel (09 97 13 23-0033)			
09 97 13 23-0096	SF Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.52	
	<i>For Up To 100, Add</i>	6.04	
	<i>For >100 To 250, Add</i>	2.91	
	<i>For >250 To 500, Add</i>	1.27	
09 97 13 23-0097	SF Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.00	
	<i>For Up To 100, Add</i>	4.34	
	<i>For >100 To 250, Add</i>	2.11	
	<i>For >250 To 500, Add</i>	0.92	
09 97 13 23-0098	SF Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.71	
	<i>For Up To 100, Add</i>	4.13	
	<i>For >100 To 250, Add</i>	2.01	
	<i>For >250 To 500, Add</i>	0.88	
09 97 13 23-0099	SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.19	
	<i>For Up To 100, Add</i>	7.26	
	<i>For >100 To 250, Add</i>	3.48	
	<i>For >250 To 500, Add</i>	1.51	
09 97 13 23-0100 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel (09 97 13 23-0033)			
09 97 13 23-0101	SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.56	
	<i>For Up To 100, Add</i>	2.95	
	<i>For >100 To 250, Add</i>	1.44	
	<i>For >250 To 500, Add</i>	0.63	
09 97 13 23-0102	SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.40	
	<i>For Up To 100, Add</i>	2.09	
	<i>For >100 To 250, Add</i>	1.04	
	<i>For >250 To 500, Add</i>	0.46	
09 97 13 23-0103	SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.21	
	<i>For Up To 100, Add</i>	1.95	
	<i>For >100 To 250, Add</i>	0.97	
	<i>For >250 To 500, Add</i>	0.43	
09 97 13 23-0104	SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.29	
	<i>For Up To 100, Add</i>	3.46	
	<i>For >100 To 250, Add</i>	1.68	
	<i>For >250 To 500, Add</i>	0.73	
09 97 13 23-0105	SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.39	
	<i>For Up To 100, Add</i>	2.33	
	<i>For >100 To 250, Add</i>	1.13	
	<i>For >250 To 500, Add</i>	0.50	
09 97 13 23-0106	SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.47	
	<i>For Up To 100, Add</i>	1.65	
	<i>For >100 To 250, Add</i>	0.82	
	<i>For >250 To 500, Add</i>	0.36	
09 97 13 23-0107	SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.32	
	<i>For Up To 100, Add</i>	1.54	
	<i>For >100 To 250, Add</i>	0.76	
	<i>For >250 To 500, Add</i>	0.34	
09 97 13 23-0108	SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	4.97	
	<i>For Up To 100, Add</i>	2.73	
	<i>For >100 To 250, Add</i>	1.32	
	<i>For >250 To 500, Add</i>	0.58	
09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0033)			
09 97 13 23-0110	SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	4.68	
	<i>For Up To 100, Add</i>	2.82	
	<i>For >100 To 250, Add</i>	1.35	
	<i>For >250 To 500, Add</i>	0.59	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0111 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.81	
For Up To 100, Add	2.23	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.47	
09 97 13 23-0112 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.53	
For Up To 100, Add	2.02	
For >100 To 250, Add	0.97	
For >250 To 500, Add	0.42	
09 97 13 23-0113 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	5.76	
For Up To 100, Add	3.61	
For >100 To 250, Add	1.72	
For >250 To 500, Add	0.75	
09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0115 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.49	
For Up To 100, Add	2.85	
For >100 To 250, Add	1.35	
For >250 To 500, Add	0.59	
09 97 13 23-0116 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.20	
For Up To 100, Add	1.91	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 23-0117 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.72	
For Up To 100, Add	1.55	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.33	
09 97 13 23-0118 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	5.12	
For Up To 100, Add	3.28	
For >100 To 250, Add	1.56	
For >250 To 500, Add	0.68	
09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0033)		
09 97 13 23-0120 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.43	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 23-0121 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.78	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 23-0122 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.69	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 97 13 23-0123 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.56	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0033)		
Note: Installed over existing primer.		
09 97 13 23-0125 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.73	
For Up To 100, Add	2.16	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.45	
09 97 13 23-0126 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.06	
For Up To 100, Add	1.72	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
09 97 13 23-0127 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.68	
For Up To 100, Add	1.43	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.31	
09 97 13 23-0128 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	4.33	
For Up To 100, Add	2.59	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.54	
09 97 13 24 Steel Water Storage Tank Painting (09 97 13)		
09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24)		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0003	SF		Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.79	
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
09 97 13 24-0004	SF		Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.59	
			For Up To 100, Add	1.19	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
09 97 13 24-0005	SF		Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	2.25	
			For Up To 100, Add	1.69	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.34	
09 97 13 24-0006			SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0007	SF		Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation.....	0.99	
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
09 97 13 24-0008	SF		Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation.....	0.80	
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.11	
09 97 13 24-0009	SF		Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation.....	1.40	
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.20	
09 97 13 24-0010			SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0011	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	2.43	
			For Up To 100, Add	1.73	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
09 97 13 24-0012	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	2.22	
			For Up To 100, Add	1.57	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
09 97 13 24-0013	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation.....	3.25	
			For Up To 100, Add	2.34	
			For >100 To 250, Add	1.10	
			For >250 To 500, Add	0.47	
09 97 13 24-0014			SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0015	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	4.40	
			For Up To 100, Add	3.14	
			For >100 To 250, Add	1.47	
			For >250 To 500, Add	0.63	
09 97 13 24-0016	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	4.19	
			For Up To 100, Add	2.98	
			For >100 To 250, Add	1.40	
			For >250 To 500, Add	0.60	
09 97 13 24-0017	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	6.15	
			For Up To 100, Add	4.45	
			For >100 To 250, Add	2.09	
			For >250 To 500, Add	0.90	
09 97 13 24-0018			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)		
09 97 13 24-0019	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.51	
			For Up To 100, Add	2.51	
			For >100 To 250, Add	1.18	
			For >250 To 500, Add	0.51	
09 97 13 24-0020	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.51	
			For Up To 100, Add	2.51	
			For >100 To 250, Add	1.18	
			For >250 To 500, Add	0.51	
09 97 13 24-0021	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	5.16	
			For Up To 100, Add	3.74	
			For >100 To 250, Add	1.75	
			For >250 To 500, Add	0.75	
09 97 13 24-0022			Protective Coatings For Tanks (09 97 13 24)		
			Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023			1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0024 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.73	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
09 97 13 24-0025 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.59	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 97 13 24-0026 SF Spray Tank Interior 1.5 Mil Prime Coat.....	1.40	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
09 97 13 24-0027 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat	1.01	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.81	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat.....	1.98	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.16	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.69	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.97	
For Up To 100, Add	2.65	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.54	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.62	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.27	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.99	
For Up To 100, Add	2.00	
For >100 To 250, Add	0.94	
For >250 To 500, Add	0.41	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.15	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.97	
For >250 To 500, Add	0.42	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.38	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.07	
For Up To 100, Add	4.23	
For >100 To 250, Add	1.99	
For >250 To 500, Add	0.86	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.38	
For Up To 100, Add	1.54	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.79	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 24-0042 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.56	
For Up To 100, Add	3.17	
For >100 To 250, Add	1.49	
For >250 To 500, Add	0.64	
09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)		
09 97 13 24-0044 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.92	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	

09 Finishes

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09 97 Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0045 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.64	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
09 97 13 24-0046 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.11	
For Up To 100, Add	2.84	
For >100 To 250, Add	1.34	
For >250 To 500, Add	0.58	
09 97 13 24-0047 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.22	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 24-0048 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.05	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 97 13 24-0049 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.63	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
09 97 13 24-0050 SF Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.65	
For Up To 100, Add	1.75	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
09 97 13 24-0051 SF Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.22	
For Up To 100, Add	1.43	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 24-0052 SF Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	6.25	
For Up To 100, Add	4.54	
For >100 To 250, Add	2.13	
For >250 To 500, Add	0.91	
09 97 13 24-0053 SF Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.69	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0054 SF Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.42	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
09 97 13 24-0055 SF Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	4.09	
For Up To 100, Add	2.92	
For >100 To 250, Add	1.37	
For >250 To 500, Add	0.59	
09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0057 SF Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.82	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 24-0058 SF Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.43	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 24-0059 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.97	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 24-0060 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.70	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0062 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.13	
For Up To 100, Add	1.50	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.33	
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.74	
For Up To 100, Add	1.21	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.57	
For Up To 100, Add	1.23	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.26	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	



Finishes	09	09
Painting and Coating	09 90	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.45	
For Up To 100, Add	3.98	
For >100 To 250, Add	1.94	
For >250 To 500, Add	0.85	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.87	
For Up To 100, Add	3.54	
For >100 To 250, Add	1.73	
For >250 To 500, Add	0.76	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.25	
For Up To 100, Add	6.63	
For >100 To 250, Add	3.27	
For >250 To 500, Add	1.42	
09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.92	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.41	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.51	
For Up To 100, Add	1.56	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.35	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.79	
For Up To 100, Add	3.27	
For >100 To 250, Add	1.58	
For >250 To 500, Add	0.69	
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.10	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.76	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.27	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.57	
For Up To 100, Add	2.58	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.54	
09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.50	
For Up To 100, Add	2.01	
For >100 To 250, Add	0.97	
For >250 To 500, Add	0.42	
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.92	
For Up To 100, Add	1.58	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.45	
For Up To 100, Add	2.73	
For >100 To 250, Add	1.30	
For >250 To 500, Add	0.57	
09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks <small>(09 97 13 24-0022)</small>		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.42	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 24-0083 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.23	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 24-0084 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.65	
For Up To 100, Add	2.26	
For >100 To 250, Add	1.08	
For >250 To 500, Add	0.47	
09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior <small>(09 97 13 24-0022)</small>		
09 97 13 24-0086 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.32	
For Up To 100, Add	3.09	
For >100 To 250, Add	1.49	
For >250 To 500, Add	0.65	

09 Finishes

09 90 Painting and Coating

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0087	SF		Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	3.26	
			For Up To 100, Add	1.63	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.35	
09 97 13 24-0088			One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0089	SF		Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.58	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.16	
09 97 13 24-0090	SF		Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.53	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
09 97 13 24-0091	SF		Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.43	
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
09 97 13 24-0092			Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)		
			Note: Installed over existing primer.		
09 97 13 24-0093	SF		Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.55	
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
09 97 13 24-0094	SF		Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.26	
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
09 97 13 24-0095	SF		Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.51	
			For Up To 100, Add	2.07	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
09 97 13 24-0096			One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0022)		
09 97 13 24-0097	SF		Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	9.15	
			For Up To 100, Add	5.72	
			For >100 To 250, Add	2.73	
			For >250 To 500, Add	1.18	
09 97 26			Cementitious Coatings (09 97)		
09 97 26 13			Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001			Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002			Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003	SF		Ceramic-like Glazed Coating. - Cementitious	3.08	
09 97 26 13-0004			Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005	SF		Ceramic-like Glazed Coating - Resin	2.63	
09 97 35			Dry Erase Coatings (09 97)		
09 97 35 00-0001			Dry-Erase Paint (09 97 35)		
09 97 35 00-0002			Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003	SF		Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	13.45	
			Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004			Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005	SF		Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	7.24	
			Note: For application over existing latex-based top coats.		
09 97 35 00-0006	SF		Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	14.34	
			Note: Includes two coats of primer and white or black surface coat.		
09 97 63			Special Coatings and Protection Systems (09 97)		
09 97 63 00-0001			Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002	SF		Acrylic Glazed Coating.....	2.05	



	Finishes	09	09
	Painting and Coating	09 90	
	Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 09

09	09	Finishes
	09 90	Painting and Coating
	09 97	Special Coatings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Specialties	10	10
Operation and Maintenance of Specialties	10 01	
Operation and Maintenance of Safety Specialties	10 01 40	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 01 Operation and Maintenance of Specialties ⁽¹⁰⁾

10 01 40 Operation and Maintenance of Safety Specialties ^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40) Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	17.95	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	19.94	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	20.74	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	23.48	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	27.12	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	21.65	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher	26.21	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher	37.04	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher	58.47	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	21.43	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	152.72	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	213.81	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	88.02	

10 01 50 Operation and Maintenance of Storage Specialties ^(10 01)

10 01 50 11 Operation and Maintenance of Storage Specialties ^(10 01 50)

10 01 50 11-0001	Locker Repair And Refinishing ^(10 01 50 11)		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door.....	377.56	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door	297.19	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door	255.45	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door	216.18	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door.....	123.21	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure.....	45.00	
10 01 50 11-0008	EA Patch Small Drill Holes in Locker.....	9.00	

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001) Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	53.10	10.85
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	33.53	5.11
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.98	4.40
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.87	2.88
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.78	1.59
10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001) Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	56.01	10.85
10 11 13 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	36.37	5.11
10 11 13 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	31.60	4.40
10 11 13 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	27.04	2.88
10 11 13 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.89	1.59

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 11 13 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) <small>(10 11 13 13-0001)</small>		
	Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	51.30	10.85
10 11 13 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	31.69	5.11
10 11 13 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	27.23	4.40
10 11 13 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	22.40	2.88
10 11 13 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	18.14	1.59
10 11 13 13-0020	Removal And Reinstallation Of Chalkboards <small>(10 11 13 13)</small>		
	Note: Includes storage and cleaning.		
10 11 13 13-0021	SF Removal And Reinstallation Of Chalkboard	13.28	
10 11 13 13-0022	Field Applied Chalkboard And Accessories <small>(10 11 13 13)</small>		
10 11 13 13-0023	Chalkboard Face Sheets And Panels <small>(10 11 13 13-0022)</small>		
10 11 13 13-0024	SF Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	17.94	5.11
	Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	21.18	5.11
	Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026	Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 13 13-0022)</small>		
10 11 13 13-0027	LF Chalk And Marker Tray, Field Applied	26.09	7.02
10 11 13 13-0028	PR Chalk And Marker Tray End Closures, Field Applied	33.45	12.77
10 11 13 13-0029	LF Mullion Trim For Chalkboards And Markerboards, Field Applied	18.94	7.02
10 11 13 13-0030	LF Screw On Trim For Chalkboards And Markerboards, Field Applied	18.55	7.02
10 11 13 13-0031	LF 1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.65	7.02
10 11 13 13-0032	LF 1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	21.74	7.02
10 11 13 13-0033	LF No Leg Map Rail For Chalkboards And Markerboards, Field Applied	19.65	7.02
10 11 13 33	Rail-Mounted Chalkboards <small>(10 11 13)</small>		
10 11 13 33-0001	Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) <small>(10 11 13 33)</small>		
10 11 13 33-0002	Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003	EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,358.64	127.61
10 11 13 33-0004	EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,644.48	127.61
10 11 13 33-0005	EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,993.18	135.90
10 11 13 33-0006	EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,325.29	135.90
10 11 13 33-0007	EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,138.27	146.11
10 11 13 33-0008	EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,403.18	146.11
10 11 13 33-0009	EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,972.37	153.13
10 11 13 33-0010	EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,629.98	153.13
10 11 13 33-0011	Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,211.27	127.61
10 11 13 33-0013	EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,803.35	127.61
10 11 13 33-0014	EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,350.34	135.90
10 11 13 33-0015	EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,893.95	135.90
10 11 13 33-0016	EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,576.94	146.11
10 11 13 33-0017	EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,816.52	146.11
10 11 13 33-0018	EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,816.44	153.13
10 11 13 33-0019	EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,616.15	153.13
10 11 13 33-0020	Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,574.80	127.61
10 11 13 33-0022	EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,058.92	127.61
10 11 13 33-0023	EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,584.98	135.90
10 11 13 33-0024	EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,140.71	135.90
10 11 13 33-0025	EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,220.27	146.11
10 11 13 33-0026	EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,475.27	146.11
10 11 13 33-0027	EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,641.53	153.13
10 11 13 33-0028	EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,526.68	153.13
10 11 13 33-0029	Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) <small>(10 11 13 33)</small>		
10 11 13 33-0030	One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,813.02	127.61
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,101.07	127.61
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,390.28	135.90
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,890.36	135.90
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,261.03	146.11
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,722.55	146.11
10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards (10		
<small>11 13 33-0029)</small>		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,110.61	127.61
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,557.81	127.61
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,008.38	135.90
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,831.18	135.90
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,346.12	146.11
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,092.91	146.11
10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards		
<small>(10 11 13 33-0029)</small>		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,600.97	127.61
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,210.64	127.61
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,823.67	135.90
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,968.09	135.90
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,640.51	146.11
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,692.40	146.11
10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards		
(Claridge MO Series) (10 11 13 33)		
Note: Excludes remotes.		
10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel		
Chalkboards (10 11 13 33-0051)		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,997.52	255.22
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,252.65	255.22
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,539.16	263.19
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,006.45	263.19
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,524.94	271.17
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,975.71	271.17
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,960.71	287.11
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,085.41	287.11
10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel		
Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,115.95	255.22
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,453.25	255.22
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,831.86	263.19
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,518.59	263.19
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,203.64	271.17
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,856.22	271.17
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,185.14	287.11
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,382.76	287.11
10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel		
Steel Chalkboards (10 11 13 33-0051)		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,318.95	255.22
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,170.26	255.22
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,623.33	263.19
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,516.28	263.19
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,457.12	271.17
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	22,359.98	271.17
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,145.18	287.11
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,492.84	287.11
10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories (10 11 13 33)		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	672.62	
10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,147.41	
10 11 16 Markerboards (10 11)		
10 11 16 13 Fixed Markerboards (10 11 16)		
Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.		
10 11 16 13-0001 Porcelain Enamel Steel Markerboards (10 11 16 13)		

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small>	
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003 SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	53.28 10.85
10 11 16 13-0004 SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	34.17 5.11
10 11 16 13-0005 SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	28.98 4.40
10 11 16 13-0006 SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.10 2.88
10 11 16 13-0007 SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.52 1.59
10 11 16 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small>	
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009 SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	56.05 10.85
10 11 16 13-0010 SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	35.00 5.11
10 11 16 13-0011 SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	30.22 4.40
10 11 16 13-0012 SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.66 2.88
10 11 16 13-0013 SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.08 1.59
10 11 16 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small>	
Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015 SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	51.28 10.85
10 11 16 13-0016 SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	31.70 5.11
10 11 16 13-0017 SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	28.57 4.40
10 11 16 13-0018 SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	22.54 2.88
10 11 16 13-0019 SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	17.83 1.59
10 11 16 13-0020	Melamine Markerboards <small>(10 11 16 13)</small>	
10 11 16 13-0021	1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small>	
Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022 SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	42.81 10.85
10 11 16 13-0023 SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	25.87 5.11
10 11 16 13-0024 SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	22.44 4.40
10 11 16 13-0025 SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	16.76 2.88
10 11 16 13-0026 SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	13.42 1.59
10 11 16 13-0027	1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small>	
Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028 SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	41.87 10.85
10 11 16 13-0029 SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	25.43 5.11
10 11 16 13-0030 SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	21.82 4.40
10 11 16 13-0031 SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.65 2.88
10 11 16 13-0032 SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.42 1.59
10 11 16 13-0033	Nonporous, Non-Staining Markerboards <small>(10 11 16 13)</small>	
10 11 16 13-0034	5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small>	
Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035 SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	57.31 10.85
	<i>For Magnetic Surface, Add</i>	3.56
10 11 16 13-0036 SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	37.30 5.11
	<i>For Magnetic Surface, Add</i>	2.71
10 11 16 13-0037 SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	32.18 4.40
	<i>For Magnetic Surface, Add</i>	2.34
10 11 16 13-0038 SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	28.19 2.88
	<i>For Magnetic Surface, Add</i>	2.25
10 11 16 13-0039 SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.13 1.59
	<i>For Magnetic Surface, Add</i>	2.09
10 11 16 13-0040	1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small>	
Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041 SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	57.31 10.85
	<i>For Magnetic Surface, Add</i>	3.56
10 11 16 13-0042 SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	37.30 5.11
	<i>For Magnetic Surface, Add</i>	2.71



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	32.18 2.34	4.40
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	28.19 2.25	2.88
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	24.13 2.09	1.59
10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	101.43 7.97	10.85
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	63.81 5.36	5.11
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	53.95 4.51	4.40
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	45.41 3.97	2.88
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	35.12 3.19	1.59
10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	25.65	4.40
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	21.70	2.88
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	18.07	1.59
10 11 16 13-0056 Removal And Reinstallation Of Markerboard <small>(10 11 16 13)</small> Note: Includes storage and cleaning.		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard.....	76.56	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard.....	89.33	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard.....	102.08	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard.....	114.85	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard.....	127.61	
10 11 16 13-0062 Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
10 11 16 13-0063 Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	17.68	5.11
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	20.59	5.11
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	20.52	5.11
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032)..... Note: Includes 1/4" thick melamine panel.	12.41	5.11
10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33 Rail-Mounted Markerboards <small>(10 11 16)</small>		
10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,330.62	127.61
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,607.11	127.61
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,946.47	135.90
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,269.24	135.90
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,072.88	146.11
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,328.45	146.11
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,878.96	153.13
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,517.88	153.13
10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,183.25	127.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0013	EA		4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,765.99	127.61
10 11 16 33-0014	EA		4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,303.63	135.90
10 11 16 33-0015	EA		4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,837.90	135.90
10 11 16 33-0016	EA		4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,511.55	146.11
10 11 16 33-0017	EA		4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,741.79	146.11
10 11 16 33-0018	EA		4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,723.02	153.13
10 11 16 33-0019	EA		4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,504.05	153.13
10 11 16 33-0020			Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,546.77	127.61
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,021.56	127.61
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,538.27	135.90
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,084.66	135.90
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,154.88	146.11
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,400.54	146.11
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,548.11	153.13
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,442.60	153.13
10 11 16 33-0029			Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>		
10 11 16 33-0030			One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031	EA		8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,775.66	127.61
10 11 16 33-0032	EA		8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,054.36	127.61
10 11 16 33-0033	EA		8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,334.23	135.90
10 11 16 33-0034	EA		8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,815.63	135.90
10 11 16 33-0035	EA		8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,167.61	146.11
10 11 16 33-0036	EA		8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,610.45	146.11
10 11 16 33-0037			Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038	EA		8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,035.88	127.61
10 11 16 33-0039	EA		8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,464.40	127.61
10 11 16 33-0040	EA		8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,896.28	135.90
10 11 16 33-0041	EA		8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,681.72	135.90
10 11 16 33-0042	EA		8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,159.29	146.11
10 11 16 33-0043	EA		8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,868.71	146.11
10 11 16 33-0044			Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045	EA		8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,488.87	127.61
10 11 16 33-0046	EA		8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,070.51	127.61
10 11 16 33-0047	EA		8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,655.52	135.90
10 11 16 33-0048	EA		8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,743.89	135.90
10 11 16 33-0049	EA		8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,360.27	146.11
10 11 16 33-0050	EA		8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,356.10	146.11
10 11 16 33-0051			Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>		
			Note: Excludes remotes.		
10 11 16 33-0052			One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053	EA		10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,950.81	255.22
10 11 16 33-0054	EA		10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,194.26	255.22
10 11 16 33-0055	EA		10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,469.10	263.19
10 11 16 33-0056	EA		10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,913.04	263.19
10 11 16 33-0057	EA		10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,408.17	271.17
10 11 16 33-0058	EA		10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,835.59	271.17
10 11 16 33-0059	EA		10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,797.24	287.11
10 11 16 33-0060	EA		10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,898.59	287.11
10 11 16 33-0061			Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062	EA		10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,022.53	255.22
10 11 16 33-0063	EA		10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,336.49	255.22
10 11 16 33-0064	EA		10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,691.74	263.19
10 11 16 33-0065	EA		10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,331.76	263.19
10 11 16 33-0066	EA		10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,970.10	271.17
10 11 16 33-0067	EA		10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,575.97	271.17
10 11 16 33-0068	EA		10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,858.19	287.11
10 11 16 33-0069	EA		10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,009.10	287.11



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 16 33-0070	Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,178.83	255.22
10 11 16 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,995.11	255.22
10 11 16 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,413.15	263.19
10 11 16 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,236.04	263.19
10 11 16 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,106.81	271.17
10 11 16 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,939.61	271.17
10 11 16 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,654.75	287.11
10 11 16 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,932.35	287.11

10 11 16 33-0079 **Sliding Chalkboard And Markerboard Accessories** (10 11 16 33)
See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.

10 11 23 Tackboards (10 11)

10 11 23 13 Fixed Tackboards (10 11 23)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0001 **Fixed Tackboards** (10 11 23 13)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

10 11 23 13-0002 **Cork Surface, Fixed Tackboards** (10 11 23 13-0001)

Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.

10 11 23 13-0003 **5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0002)

10 11 23 13-0004	SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	36.48	10.85
10 11 23 13-0005	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	20.49	5.11
10 11 23 13-0006	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.76	4.40
10 11 23 13-0007	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.00	2.88
10 11 23 13-0008	SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.25	1.59

10 11 23 13-0009 **1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)** (10 11 23 13-0002)

10 11 23 13-0010	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	38.22	10.85
10 11 23 13-0011	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.30	5.11
10 11 23 13-0012	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.35	4.40
10 11 23 13-0013	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.36	2.88
10 11 23 13-0014	SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.24	1.59

10 11 23 13-0015 **1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0002)

10 11 23 13-0016	SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	38.41	10.85
10 11 23 13-0017	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	23.00	5.11
10 11 23 13-0018	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.20	4.40
10 11 23 13-0019	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.16	2.88
10 11 23 13-0020	SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.59	1.59

10 11 23 13-0021 **Burlap Backed Cork Surface, Fixed Tackboards** (10 11 23 13-0001)
Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.

10 11 23 13-0022 **5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)** (10 11 23 13-0021)

10 11 23 13-0023	SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	41.53	10.85
10 11 23 13-0024	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	26.55	5.11
10 11 23 13-0025	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.16	4.40
10 11 23 13-0026	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.43	2.88
10 11 23 13-0027	SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.79	1.59

10 11 23 13-0028 **1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)** (10 11 23 13-0021)

10 11 23 13-0029	SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	45.75	10.85
10 11 23 13-0030	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	31.06	5.11
10 11 23 13-0031	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	28.71	4.40
10 11 23 13-0032	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.73	2.88
10 11 23 13-0033	SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.20	1.59

10 11 23 13-0034 **Polyester Fabric Surface, Fixed Tackboards** (10 11 23 13-0001)
Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0035	5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0036	SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	37.67	10.85
10 11 23 13-0037	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	21.96	5.11
10 11 23 13-0038	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.41	4.40
10 11 23 13-0039	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.70	2.88
10 11 23 13-0040	SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.76	1.59

10 11 23 13-0041	1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0042	SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	40.06	10.85
10 11 23 13-0043	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	25.06	5.11
10 11 23 13-0044	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.13	4.40
10 11 23 13-0045	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.27	2.88
10 11 23 13-0046	SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.79	1.59

10 11 23 13-0047	Vinyl Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small>		
<small>Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.</small>			
10 11 23 13-0048	5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049	SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	36.48	10.85
10 11 23 13-0050	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	20.58	5.11
10 11 23 13-0051	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	17.90	4.40
10 11 23 13-0052	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	14.00	2.88
10 11 23 13-0053	SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.04	1.59

10 11 23 13-0054	1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0055	SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	38.41	10.85
10 11 23 13-0056	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	23.85	5.11
10 11 23 13-0057	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.20	4.40
10 11 23 13-0058	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.16	2.88
10 11 23 13-0059	SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.59	1.59

10 12 Display Cases (10 10)

10 12 00 00-0001	Counter Display Cases <small>(10 12)</small>		
10 12 00 00-0002	EA 30" x 12" x 36" Counter Display Cases	1,667.98	195.50
10 12 00 00-0003	EA 30" x 12" x 48" Counter Display Cases	1,796.99	195.50
10 12 00 00-0004	EA 30" x 18" x 36" Counter Display Cases	1,744.45	195.50
10 12 00 00-0005	EA 30" x 18" x 48" Counter Display Cases	1,700.86	86.91

10 12 00 00-0006	Upright Display Case <small>(10 12)</small>		
10 12 00 00-0007	EA 72" High x 20" Deep x 70" Wide, Upright Display Case	3,418.10	195.50

10 12 00 00-0008	Full Vision Display Case <small>(10 12)</small>		
10 12 00 00-0009	EA 38" x 20" x 70" Full Vision Display Case	2,251.31	195.50

10 13 Directories (10 10)

10 13 11 Directory and Bulletin Boards (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001	Wall Mounted Directories <small>(10 13 11)</small>		
<small>Note: Includes changeable letters.</small>			
10 13 11 00-0002	Open Face, Wall Mounted Directories <small>(10 13 11 00-0001)</small>		
<small>Note: Includes vinyl or felt back panel.</small>			
10 13 11 00-0003	Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) <small>(10 13 11 00-0002)</small>		
10 13 11 00-0004	SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	58.79	10.85
10 13 11 00-0005	SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	38.03	5.11
10 13 11 00-0006	SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	34.51	4.40
10 13 11 00-0007	SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	26.26	2.88
10 13 11 00-0008	SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.82	1.59

10 13 11 00-0009	Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) <small>(10 13 11 00-0002)</small>		
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Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0010	SF		Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	59.34 12.00	10.85
10 13 11 00-0011	SF		>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	38.39 12.00	5.11
10 13 11 00-0012	SF		>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	35.25 12.00	4.40
10 13 11 00-0013	SF		>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	25.06 12.00	2.88
10 13 11 00-0014	SF		>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory <i>For Bronze Anodize Finish, Add</i>	21.37 12.00	1.59
10 13 11 00-0015			Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016			Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0017			Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) (10 13 11 00-0016)		
10 13 11 00-0018	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	141.59 15.00	10.85
10 13 11 00-0019	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	112.75 15.00	5.11
10 13 11 00-0020	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	94.46 15.00	4.40
10 13 11 00-0021	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	87.21 15.00	2.88
10 13 11 00-0022	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	78.65 15.00	1.59
10 13 11 00-0023			Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)		
10 13 11 00-0024	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	122.13 15.00	10.85
10 13 11 00-0025	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	97.52 15.00	4.40
10 13 11 00-0026	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	69.86 15.00	2.88
10 13 11 00-0027	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	62.68 15.00	1.59
10 13 11 00-0028			Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0029			Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0030	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	127.00 15.00 12.00 21.06	10.85
10 13 11 00-0031	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	97.61 15.00 12.00 17.48	5.11
10 13 11 00-0032	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	82.63 15.00 12.00 14.76	4.40
10 13 11 00-0033	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	60.65 15.00 12.00 10.98	2.88
10 13 11 00-0034	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.35 15.00 12.00 10.63	1.59
10 13 11 00-0035			Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0036	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	194.38 15.00 12.00 34.54	10.85
10 13 11 00-0037	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	112.67 15.00 12.00 20.49	5.11

10	10	Specialties
	10 10	Information Specialties
	10 13	Directories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	94.95 15.00 12.00 17.23	4.40
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.08 15.00 12.00 13.47	2.88
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.37 15.00 12.00 12.84	1.59
10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0001)</small> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0041)</small>		
10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) <small>(10 13 11 00-0042)</small>		
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	190.98 15.00 12.00	10.85
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	127.08 15.00 12.00	5.11
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	123.38 15.00 12.00	4.40
10 13 11 00-0047 Wall Mounted Bulletin Boards <small>(10 13 11)</small>		
10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0048)</small>		
10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) <small>(10 13 11 00-0049)</small>		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	138.28 15.00	10.85
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	110.27 15.00	5.11
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	91.98 15.00	4.40
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	84.87 15.00	2.88
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	77.55 15.00	1.59
10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) <small>(10 13 11 00-0049)</small>		
10 13 11 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	116.25 15.00	10.85
10 13 11 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	91.94 15.00	4.40
10 13 11 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	65.55 15.00	2.88
10 13 11 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	59.37 15.00	1.59
10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0048)</small>		
10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small>		
10 13 11 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	130.02 15.00 12.00 21.66	10.85
10 13 11 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	100.63 15.00 12.00 18.08	5.11



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	85.65	4.40	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	15.37		
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	63.67	2.88	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	11.59		
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.37	1.59	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	11.24		
10 13 11 00-0068		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small>			
10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	197.40	10.85	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	35.14		
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	115.69	5.11	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	21.10		
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	97.97	4.40	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	17.83		
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.10	2.88	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	14.07		
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.39	1.59	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
		<i>For Header Panel, Add</i>	13.44		
10 13 11 00-0074		Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small>			
		Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.			
10 13 11 00-0075		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0074)</small>			
10 13 11 00-0076		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0075)</small>			
10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	187.96	10.85	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	124.07	5.11	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	120.39	4.40	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 14 Signage <small>(10 10)</small>					
		Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.			
10 14 16 Plaques <small>(10 14)</small>					
		Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.			
10 14 16 00-0001 Metal Cased Plaque <small>(10 14 16)</small>					
10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	558.34	31.88	
		<i>For >5 To 10, Deduct</i>	-60.14		
		<i>For >10 Each, Deduct</i>	-103.22		
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	404.95	31.88	
		<i>For >5 To 10, Deduct</i>	-43.27		
		<i>For >10 Each, Deduct</i>	-71.01		
10 14 16 00-0004 Metal Engraved Plaque, Etched <small>(10 14 16)</small>					
10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	442.72	31.88	
		<i>For >5 To 10, Deduct</i>	-47.42		
		<i>For >10 Each, Deduct</i>	-78.94		
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	414.07	31.88	
		<i>For >5 To 10, Deduct</i>	-44.27		
		<i>For >10 Each, Deduct</i>	-72.93		
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	290.34	31.88	
		<i>For >5 To 10, Deduct</i>	-30.66		
		<i>For >10 Each, Deduct</i>	-46.94		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0008	SF		Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	281.22 -29.66 -45.03	31.88
10 14 16 00-0009			Metal Built-Up Plaque <small>(10 14 16)</small>		
10 14 16 00-0010	SF		Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	436.00 -46.37 -74.02	39.54
10 14 16 00-0011	SF		Copper And Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	444.38 -47.29 -75.78	39.54
10 14 16 00-0012	SF		Copper And Aluminum Built-up Plaque Note: Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	455.07 -48.46 -78.03	39.54
10 14 16 00-0013	SF		Bronze Built-up Dedication Plaque Note: Including Raised Bronze Lettering <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	501.71 -53.59 -87.82	79.71
10 14 16 00-0014	SF		Bronze Built-up Plaque Note: Including Raised Bronze Lettering <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	431.85 -45.91 -73.15	79.71
10 14 16 00-0015			Metal Nameplate Plaques <small>(10 14 16)</small>		
10 14 16 00-0016	SF		Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	224.76 -23.87 -37.84	21.70
10 14 16 00-0017	SF		Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	312.99 -33.58 -56.37	21.70
10 14 16 00-0018	EA		1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	168.88 -17.73 -26.11	21.70
10 14 16 00-0019	EA		1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	163.21 -17.10 -24.92	21.70
10 14 16 00-0020	SF		Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9") <i>For >5 To 10, Deduct</i> <i>For >10 Each, Deduct</i>	421.87 -44.81 -71.06	79.71
10 14 19			Dimensional Letter Signage <small>(10 14)</small>		
			Note: Mounted on masonry or concrete.		
10 14 19 00-0001			Cast Characters <small>(10 14 19)</small>		
			Note: Any font.		
10 14 19 00-0002			Satin Finish, Cast Aluminum Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0003	EA		2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	55.22 -5.95 2.33 7.00 9.34 11.67	7.97
10 14 19 00-0004	EA		3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	64.95 -6.69 3.05 9.16 12.21 15.26	8.61
10 14 19 00-0005	EA		4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	71.09 -7.25 3.41 10.23 13.64 17.06	9.25
10 14 19 00-0006	EA		5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	81.59 -8.29 3.95 11.85 15.80 19.75	10.59
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Patina Finish, Add</i> <i>For Color Anodized, Add</i>	89.53 -8.94 4.49 13.47 17.96 22.45	11.15



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	106.67	12.76
			<i>For Installation With Adhesive, Deduct</i>	-10.43	
			<i>For Clear Anodized, Add</i>	5.57	
			<i>For Satin Face And Enameled Return, Add</i>	16.70	
			<i>For Patina Finish, Add</i>	22.26	
			<i>For Color Anodized, Add</i>	27.83	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	118.21	13.39
			<i>For Installation With Adhesive, Deduct</i>	-11.27	
			<i>For Clear Anodized, Add</i>	6.46	
			<i>For Satin Face And Enameled Return, Add</i>	19.39	
			<i>For Patina Finish, Add</i>	25.86	
			<i>For Color Anodized, Add</i>	32.32	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	134.60	14.35
			<i>For Installation With Adhesive, Deduct</i>	-12.47	
			<i>For Clear Anodized, Add</i>	7.72	
			<i>For Satin Face And Enameled Return, Add</i>	23.16	
			<i>For Patina Finish, Add</i>	30.88	
			<i>For Color Anodized, Add</i>	38.61	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	163.28	16.58
			<i>For Installation With Adhesive, Deduct</i>	-14.80	
			<i>For Clear Anodized, Add</i>	9.70	
			<i>For Satin Face And Enameled Return, Add</i>	29.09	
			<i>For Patina Finish, Add</i>	38.78	
			<i>For Color Anodized, Add</i>	48.48	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	195.02	19.13
			<i>For Installation With Adhesive, Deduct</i>	-17.40	
			<i>For Clear Anodized, Add</i>	11.85	
			<i>For Satin Face And Enameled Return, Add</i>	35.55	
			<i>For Patina Finish, Add</i>	47.40	
			<i>For Color Anodized, Add</i>	59.25	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	214.35	21.26
			<i>For Installation With Adhesive, Deduct</i>	-19.22	
			<i>For Clear Anodized, Add</i>	12.93	
			<i>For Satin Face And Enameled Return, Add</i>	38.78	
			<i>For Patina Finish, Add</i>	51.71	
			<i>For Color Anodized, Add</i>	64.64	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	239.06	22.96
			<i>For Installation With Adhesive, Deduct</i>	-21.14	
			<i>For Clear Anodized, Add</i>	14.72	
			<i>For Satin Face And Enameled Return, Add</i>	44.17	
			<i>For Patina Finish, Add</i>	58.89	
			<i>For Color Anodized, Add</i>	73.62	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	288.76	25.51
			<i>For Installation With Adhesive, Deduct</i>	-24.64	
			<i>For Clear Anodized, Add</i>	18.67	
			<i>For Satin Face And Enameled Return, Add</i>	56.02	
			<i>For Patina Finish, Add</i>	74.69	
			<i>For Color Anodized, Add</i>	93.37	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	348.21	28.69
			<i>For Installation With Adhesive, Deduct</i>	-28.89	
			<i>For Clear Anodized, Add</i>	23.34	
			<i>For Satin Face And Enameled Return, Add</i>	70.03	
			<i>For Patina Finish, Add</i>	93.37	
			<i>For Color Anodized, Add</i>	116.71	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	418.41	31.88
			<i>For Installation With Adhesive, Deduct</i>	-33.67	
			<i>For Clear Anodized, Add</i>	29.09	
			<i>For Satin Face And Enameled Return, Add</i>	87.26	
			<i>For Patina Finish, Add</i>	116.35	
			<i>For Color Anodized, Add</i>	145.44	
10 14 19 00-0018			Satin Finish, Cast Bronze Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019	EA		2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	66.32	8.77
			<i>For Installation With Adhesive, Deduct</i>	-6.82	
			<i>For Oxidized Finish, Add</i>	4.69	
			<i>For Polished Or Patina Finish, Add</i>	9.37	
10 14 19 00-0020	EA		3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	93.30	9.56
			<i>For Installation With Adhesive, Deduct</i>	-8.49	
			<i>For Oxidized Finish, Add</i>	8.26	
			<i>For Polished Or Patina Finish, Add</i>	16.51	
10 14 19 00-0021	EA		4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	101.82	10.21
			<i>For Installation With Adhesive, Deduct</i>	-9.17	
			<i>For Oxidized Finish, Add</i>	9.15	
			<i>For Polished Or Patina Finish, Add</i>	18.30	
10 14 19 00-0022	EA		5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	123.27	11.48
			<i>For Installation With Adhesive, Deduct</i>	-10.75	
			<i>For Oxidized Finish, Add</i>	11.60	
			<i>For Polished Or Patina Finish, Add</i>	23.21	
10 14 19 00-0023	EA		6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	136.88	12.24
			<i>For Installation With Adhesive, Deduct</i>	-11.76	
			<i>For Oxidized Finish, Add</i>	13.17	
			<i>For Polished Or Patina Finish, Add</i>	26.33	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 14 19 00-0024	EA 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	181.09	14.03
	<i>For Installation With Adhesive, Deduct</i>	-14.67	
	<i>For Oxidized Finish, Add</i>	18.75	
	<i>For Polished Or Patina Finish, Add</i>	37.49	
10 14 19 00-0025	EA 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	205.95	14.66
	<i>For Installation With Adhesive, Deduct</i>	-16.16	
	<i>For Oxidized Finish, Add</i>	22.09	
	<i>For Polished Or Patina Finish, Add</i>	44.18	
10 14 19 00-0026	EA 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	230.39	15.95
	<i>For Installation With Adhesive, Deduct</i>	-17.90	
	<i>For Oxidized Finish, Add</i>	24.99	
	<i>For Polished Or Patina Finish, Add</i>	49.99	
10 14 19 00-0027	EA 12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	273.32	18.50
	<i>For Installation With Adhesive, Deduct</i>	-21.06	
	<i>For Oxidized Finish, Add</i>	29.90	
	<i>For Polished Or Patina Finish, Add</i>	59.81	
10 14 19 00-0028	EA 14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	320.72	21.05
	<i>For Installation With Adhesive, Deduct</i>	-24.45	
	<i>For Oxidized Finish, Add</i>	35.48	
	<i>For Polished Or Patina Finish, Add</i>	70.96	
10 14 19 00-0029	EA 15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	380.23	25.51
	<i>For Installation With Adhesive, Deduct</i>	-29.21	
	<i>For Oxidized Finish, Add</i>	41.73	
	<i>For Polished Or Patina Finish, Add</i>	83.46	
10 14 19 00-0030	EA 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	395.32	27.42
	<i>For Installation With Adhesive, Deduct</i>	-30.73	
	<i>For Oxidized Finish, Add</i>	42.85	
	<i>For Polished Or Patina Finish, Add</i>	85.69	
10 14 19 00-0031	EA 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	557.48	31.88
	<i>For Installation With Adhesive, Deduct</i>	-40.63	
	<i>For Oxidized Finish, Add</i>	64.49	
	<i>For Polished Or Patina Finish, Add</i>	128.98	
10 14 19 00-0032	EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	670.12	35.87
	<i>For Installation With Adhesive, Deduct</i>	-47.85	
	<i>For Oxidized Finish, Add</i>	79.00	
	<i>For Polished Or Patina Finish, Add</i>	157.99	
10 14 19 00-0033	EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	850.14	41.45
	<i>For Installation With Adhesive, Deduct</i>	-59.09	
	<i>For Oxidized Finish, Add</i>	102.65	
	<i>For Polished Or Patina Finish, Add</i>	205.30	
10 14 19 00-0034	Molded Characters <small>(10 14 19)</small>		
	Note: Any font.		
10 14 19 00-0035	Molded Plastic Characters <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036	EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	42.53	6.37
	<i>For Installation With Adhesive, Deduct</i>	-4.68	
10 14 19 00-0037	EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	46.11	7.02
	<i>For Installation With Adhesive, Deduct</i>	-5.11	
10 14 19 00-0038	EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	50.87	7.65
	<i>For Installation With Adhesive, Deduct</i>	-5.60	
10 14 19 00-0039	EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	64.30	8.29
	<i>For Installation With Adhesive, Deduct</i>	-6.53	
10 14 19 00-0040	EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	69.47	8.93
	<i>For Installation With Adhesive, Deduct</i>	-7.04	
10 14 19 00-0041	EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	75.18	9.56
	<i>For Installation With Adhesive, Deduct</i>	-7.59	
10 14 19 00-0042	EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	87.63	11.15
	<i>For Installation With Adhesive, Deduct</i>	-8.85	
10 14 19 00-0043	EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	115.09	14.03
	<i>For Installation With Adhesive, Deduct</i>	-11.37	
10 14 19 00-0044	EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	145.80	16.58
	<i>For Installation With Adhesive, Deduct</i>	-13.92	
10 14 19 00-0045	EA 24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	213.52	20.40
	<i>For Installation With Adhesive, Deduct</i>	-18.84	
10 14 19 00-0046	EA 30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	313.44	23.91
	<i>For Installation With Adhesive, Deduct</i>	-25.24	
10 14 19 00-0047	EA 36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	409.23	27.42
	<i>For Installation With Adhesive, Deduct</i>	-31.43	
10 14 19 00-0048	EA 48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	757.12	36.67
	<i>For Installation With Adhesive, Deduct</i>	-52.52	
10 14 19 00-0049	Cutout Characters <small>(10 14 19)</small>		
	Note: Any font.		
10 14 19 00-0050	Satin Finish, Aluminum Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0051	1/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	51.63	7.97
			<i>For Installation With Adhesive, Deduct</i>	-5.77	
			<i>For Clear Anodized, Add</i>	1.98	
			<i>For Satin Face And Enameled Return, Add</i>	6.91	
			<i>For Color Anodized, Add</i>	9.88	
			<i>For Polished Or Patina Finish, Add</i>	9.88	
			<i>For Polished Anodized Finish, Add</i>	14.81	
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	71.09	9.25
			<i>For Installation With Adhesive, Deduct</i>	-7.25	
			<i>For Clear Anodized, Add</i>	3.41	
			<i>For Satin Face And Enameled Return, Add</i>	11.94	
			<i>For Color Anodized, Add</i>	17.06	
			<i>For Polished Or Patina Finish, Add</i>	17.06	
			<i>For Polished Anodized Finish, Add</i>	25.58	
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	94.91	11.15
			<i>For Installation With Adhesive, Deduct</i>	-9.21	
			<i>For Clear Anodized, Add</i>	5.03	
			<i>For Satin Face And Enameled Return, Add</i>	17.59	
			<i>For Color Anodized, Add</i>	25.14	
			<i>For Polished Or Patina Finish, Add</i>	25.14	
			<i>For Polished Anodized Finish, Add</i>	37.70	
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	115.65	12.76
			<i>For Installation With Adhesive, Deduct</i>	-10.88	
			<i>For Clear Anodized, Add</i>	6.46	
			<i>For Satin Face And Enameled Return, Add</i>	22.62	
			<i>For Color Anodized, Add</i>	32.32	
			<i>For Polished Or Patina Finish, Add</i>	32.32	
			<i>For Polished Anodized Finish, Add</i>	48.48	
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	132.80	14.35
			<i>For Installation With Adhesive, Deduct</i>	-12.38	
			<i>For Clear Anodized, Add</i>	7.54	
			<i>For Satin Face And Enameled Return, Add</i>	26.39	
			<i>For Color Anodized, Add</i>	37.71	
			<i>For Polished Or Patina Finish, Add</i>	37.71	
			<i>For Polished Anodized Finish, Add</i>	56.56	
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	152.50	16.58
			<i>For Installation With Adhesive, Deduct</i>	-14.26	
			<i>For Clear Anodized, Add</i>	8.62	
			<i>For Satin Face And Enameled Return, Add</i>	30.16	
			<i>For Color Anodized, Add</i>	43.09	
			<i>For Polished Or Patina Finish, Add</i>	43.09	
			<i>For Polished Anodized Finish, Add</i>	64.64	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	178.86	19.13
			<i>For Installation With Adhesive, Deduct</i>	-16.60	
			<i>For Clear Anodized, Add</i>	10.23	
			<i>For Satin Face And Enameled Return, Add</i>	35.82	
			<i>For Color Anodized, Add</i>	51.17	
			<i>For Polished Or Patina Finish, Add</i>	51.17	
			<i>For Polished Anodized Finish, Add</i>	76.76	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	212.13	22.96
			<i>For Installation With Adhesive, Deduct</i>	-19.79	
			<i>For Clear Anodized, Add</i>	12.03	
			<i>For Satin Face And Enameled Return, Add</i>	42.11	
			<i>For Color Anodized, Add</i>	60.15	
			<i>For Polished Or Patina Finish, Add</i>	60.15	
			<i>For Polished Anodized Finish, Add</i>	90.23	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	238.49	25.51
			<i>For Installation With Adhesive, Deduct</i>	-22.13	
			<i>For Clear Anodized, Add</i>	13.65	
			<i>For Satin Face And Enameled Return, Add</i>	47.76	
			<i>For Color Anodized, Add</i>	68.23	
			<i>For Polished Or Patina Finish, Add</i>	68.23	
			<i>For Polished Anodized Finish, Add</i>	102.35	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	285.36	28.69
			<i>For Installation With Adhesive, Deduct</i>	-25.75	
			<i>For Clear Anodized, Add</i>	17.06	
			<i>For Satin Face And Enameled Return, Add</i>	59.70	
			<i>For Color Anodized, Add</i>	85.29	
			<i>For Polished Or Patina Finish, Add</i>	85.29	
			<i>For Polished Anodized Finish, Add</i>	127.93	
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	325.85	30.29
			<i>For Installation With Adhesive, Deduct</i>	-28.41	
			<i>For Clear Anodized, Add</i>	20.47	
			<i>For Satin Face And Enameled Return, Add</i>	71.64	
			<i>For Color Anodized, Add</i>	102.35	
			<i>For Polished Or Patina Finish, Add</i>	102.35	
			<i>For Polished Anodized Finish, Add</i>	153.52	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	400.46	31.88
			<i>For Installation With Adhesive, Deduct</i>	-32.78	
			<i>For Clear Anodized, Add</i>	27.29	
			<i>For Satin Face And Enameled Return, Add</i>	95.52	
			<i>For Color Anodized, Add</i>	136.46	
			<i>For Polished Or Patina Finish, Add</i>	136.46	
			<i>For Polished Anodized Finish, Add</i>	204.69	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	569.01		38.26
		<i>For Installation With Adhesive, Deduct</i>	-43.76		
		<i>For Clear Anodized, Add</i>	41.60		
		<i>For Satin Face And Enameled Return, Add</i>	145.59		
		<i>For Color Anodized, Add</i>	207.98		
		<i>For Polished Or Patina Finish, Add</i>	207.98		
		<i>For Polished Anodized Finish, Add</i>	311.97		
10 14 19 00-0065		3/8" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>			
10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	64.27		7.97
		<i>For Installation With Adhesive, Deduct</i>	-6.40		
		<i>For Clear Anodized, Add</i>	3.24		
		<i>For Satin Face And Enameled Return, Add</i>	11.34		
		<i>For Color Anodized, Add</i>	16.20		
		<i>For Polished Or Patina Finish, Add</i>	16.20		
		<i>For Polished Anodized Finish, Add</i>	24.29		
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	90.88		9.25
		<i>For Installation With Adhesive, Deduct</i>	-8.24		
		<i>For Clear Anodized, Add</i>	5.39		
		<i>For Satin Face And Enameled Return, Add</i>	18.87		
		<i>For Color Anodized, Add</i>	26.95		
		<i>For Polished Or Patina Finish, Add</i>	26.95		
		<i>For Polished Anodized Finish, Add</i>	40.43		
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	114.52		11.15
		<i>For Installation With Adhesive, Deduct</i>	-10.19		
		<i>For Clear Anodized, Add</i>	6.99		
		<i>For Satin Face And Enameled Return, Add</i>	24.46		
		<i>For Color Anodized, Add</i>	34.94		
		<i>For Polished Or Patina Finish, Add</i>	34.94		
		<i>For Polished Anodized Finish, Add</i>	52.41		
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	142.80		12.76
		<i>For Installation With Adhesive, Deduct</i>	-12.24		
		<i>For Clear Anodized, Add</i>	9.18		
		<i>For Satin Face And Enameled Return, Add</i>	32.13		
		<i>For Color Anodized, Add</i>	45.90		
		<i>For Polished Or Patina Finish, Add</i>	45.90		
		<i>For Polished Anodized Finish, Add</i>	68.84		
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	165.23		14.35
		<i>For Installation With Adhesive, Deduct</i>	-14.00		
		<i>For Clear Anodized, Add</i>	10.78		
		<i>For Satin Face And Enameled Return, Add</i>	37.74		
		<i>For Color Anodized, Add</i>	53.92		
		<i>For Polished Or Patina Finish, Add</i>	53.92		
		<i>For Polished Anodized Finish, Add</i>	80.88		
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	193.87		16.58
		<i>For Installation With Adhesive, Deduct</i>	-16.33		
		<i>For Clear Anodized, Add</i>	12.76		
		<i>For Satin Face And Enameled Return, Add</i>	44.64		
		<i>For Color Anodized, Add</i>	63.78		
		<i>For Polished Or Patina Finish, Add</i>	63.78		
		<i>For Polished Anodized Finish, Add</i>	95.66		
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	226.96		19.13
		<i>For Installation With Adhesive, Deduct</i>	-19.00		
		<i>For Clear Anodized, Add</i>	15.04		
		<i>For Satin Face And Enameled Return, Add</i>	52.65		
		<i>For Color Anodized, Add</i>	75.22		
		<i>For Polished Or Patina Finish, Add</i>	75.22		
		<i>For Polished Anodized Finish, Add</i>	112.83		
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	280.70		22.96
		<i>For Installation With Adhesive, Deduct</i>	-23.22		
		<i>For Clear Anodized, Add</i>	18.89		
		<i>For Satin Face And Enameled Return, Add</i>	66.10		
		<i>For Color Anodized, Add</i>	94.44		
		<i>For Polished Or Patina Finish, Add</i>	94.44		
		<i>For Polished Anodized Finish, Add</i>	141.65		
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	324.46		25.51
		<i>For Installation With Adhesive, Deduct</i>	-26.43		
		<i>For Clear Anodized, Add</i>	22.24		
		<i>For Satin Face And Enameled Return, Add</i>	77.85		
		<i>For Color Anodized, Add</i>	111.22		
		<i>For Polished Or Patina Finish, Add</i>	111.22		
		<i>For Polished Anodized Finish, Add</i>	166.82		
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	375.77		28.69
		<i>For Installation With Adhesive, Deduct</i>	-30.27		
		<i>For Clear Anodized, Add</i>	26.10		
		<i>For Satin Face And Enameled Return, Add</i>	91.34		
		<i>For Color Anodized, Add</i>	130.49		
		<i>For Polished Or Patina Finish, Add</i>	130.49		
		<i>For Polished Anodized Finish, Add</i>	195.74		



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0076	EA		22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	420.00	30.29
			<i>For Installation With Adhesive, Deduct</i>	-33.12	
			<i>For Clear Anodized, Add</i>	29.88	
			<i>For Satin Face And Enameled Return, Add</i>	104.59	
			<i>For Color Anodized, Add</i>	149.42	
			<i>For Polished Or Patina Finish, Add</i>	149.42	
			<i>For Polished Anodized Finish, Add</i>	224.13	
10 14 19 00-0077	EA		24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	465.96	31.88
			<i>For Installation With Adhesive, Deduct</i>	-36.05	
			<i>For Clear Anodized, Add</i>	33.84	
			<i>For Satin Face And Enameled Return, Add</i>	118.45	
			<i>For Color Anodized, Add</i>	169.21	
			<i>For Polished Or Patina Finish, Add</i>	169.21	
			<i>For Polished Anodized Finish, Add</i>	253.82	
10 14 19 00-0078	EA		30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	637.83	38.26
			<i>For Installation With Adhesive, Deduct</i>	-47.20	
			<i>For Clear Anodized, Add</i>	48.48	
			<i>For Satin Face And Enameled Return, Add</i>	169.67	
			<i>For Color Anodized, Add</i>	242.39	
			<i>For Polished Or Patina Finish, Add</i>	242.39	
			<i>For Polished Anodized Finish, Add</i>	363.59	
10 14 19 00-0079			1/2" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	78.89	7.97
			<i>For Installation With Adhesive, Deduct</i>	-7.13	
			<i>For Clear Anodized, Add</i>	4.70	
			<i>For Satin Face And Enameled Return, Add</i>	16.45	
			<i>For Color Anodized, Add</i>	23.51	
			<i>For Polished Or Patina Finish, Add</i>	23.51	
			<i>For Polished Anodized Finish, Add</i>	35.26	
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	101.46	9.25
			<i>For Installation With Adhesive, Deduct</i>	-8.77	
			<i>For Clear Anodized, Add</i>	6.45	
			<i>For Satin Face And Enameled Return, Add</i>	22.57	
			<i>For Color Anodized, Add</i>	32.24	
			<i>For Polished Or Patina Finish, Add</i>	32.24	
			<i>For Polished Anodized Finish, Add</i>	48.36	
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	127.09	11.15
			<i>For Installation With Adhesive, Deduct</i>	-10.82	
			<i>For Clear Anodized, Add</i>	8.25	
			<i>For Satin Face And Enameled Return, Add</i>	28.86	
			<i>For Color Anodized, Add</i>	41.23	
			<i>For Polished Or Patina Finish, Add</i>	41.23	
			<i>For Polished Anodized Finish, Add</i>	61.84	
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	149.91	12.76
			<i>For Installation With Adhesive, Deduct</i>	-12.60	
			<i>For Clear Anodized, Add</i>	9.89	
			<i>For Satin Face And Enameled Return, Add</i>	34.62	
			<i>For Color Anodized, Add</i>	49.45	
			<i>For Polished Or Patina Finish, Add</i>	49.45	
			<i>For Polished Anodized Finish, Add</i>	74.18	
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	174.28	14.35
			<i>For Installation With Adhesive, Deduct</i>	-14.45	
			<i>For Clear Anodized, Add</i>	11.69	
			<i>For Satin Face And Enameled Return, Add</i>	40.91	
			<i>For Color Anodized, Add</i>	58.45	
			<i>For Polished Or Patina Finish, Add</i>	58.45	
			<i>For Polished Anodized Finish, Add</i>	87.67	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	213.69	16.58
			<i>For Installation With Adhesive, Deduct</i>	-17.32	
			<i>For Clear Anodized, Add</i>	14.74	
			<i>For Satin Face And Enameled Return, Add</i>	51.58	
			<i>For Color Anodized, Add</i>	73.69	
			<i>For Polished Or Patina Finish, Add</i>	73.69	
			<i>For Polished Anodized Finish, Add</i>	110.53	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	262.79	19.13
			<i>For Installation With Adhesive, Deduct</i>	-20.79	
			<i>For Clear Anodized, Add</i>	18.63	
			<i>For Satin Face And Enameled Return, Add</i>	65.19	
			<i>For Color Anodized, Add</i>	93.14	
			<i>For Polished Or Patina Finish, Add</i>	93.14	
			<i>For Polished Anodized Finish, Add</i>	139.70	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	317.99	22.96
			<i>For Installation With Adhesive, Deduct</i>	-25.08	
			<i>For Clear Anodized, Add</i>	22.62	
			<i>For Satin Face And Enameled Return, Add</i>	79.16	
			<i>For Color Anodized, Add</i>	113.08	
			<i>For Polished Or Patina Finish, Add</i>	113.08	
			<i>For Polished Anodized Finish, Add</i>	169.62	

10 Specialties
10 10 Information Specialties
 10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	384.50	25.51
			<i>For Installation With Adhesive, Deduct</i>	-29.43	
			<i>For Clear Anodized, Add</i>	28.25	
			<i>For Satin Face And Enameled Return, Add</i>	98.86	
			<i>For Color Anodized, Add</i>	141.24	
			<i>For Polished Or Patina Finish, Add</i>	141.24	
			<i>For Polished Anodized Finish, Add</i>	211.85	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	452.52	28.69
			<i>For Installation With Adhesive, Deduct</i>	-34.11	
			<i>For Clear Anodized, Add</i>	33.77	
			<i>For Satin Face And Enameled Return, Add</i>	118.21	
			<i>For Color Anodized, Add</i>	168.87	
			<i>For Polished Or Patina Finish, Add</i>	168.87	
			<i>For Polished Anodized Finish, Add</i>	253.30	
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	518.25	30.29
			<i>For Installation With Adhesive, Deduct</i>	-38.03	
			<i>For Clear Anodized, Add</i>	39.71	
			<i>For Satin Face And Enameled Return, Add</i>	138.98	
			<i>For Color Anodized, Add</i>	198.55	
			<i>For Polished Or Patina Finish, Add</i>	198.55	
			<i>For Polished Anodized Finish, Add</i>	297.82	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	580.58	31.88
			<i>For Installation With Adhesive, Deduct</i>	-41.78	
			<i>For Clear Anodized, Add</i>	45.30	
			<i>For Satin Face And Enameled Return, Add</i>	158.56	
			<i>For Color Anodized, Add</i>	226.52	
			<i>For Polished Or Patina Finish, Add</i>	226.52	
			<i>For Polished Anodized Finish, Add</i>	339.78	
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	802.66	38.26
			<i>For Installation With Adhesive, Deduct</i>	-55.44	
			<i>For Clear Anodized, Add</i>	64.96	
			<i>For Satin Face And Enameled Return, Add</i>	227.36	
			<i>For Color Anodized, Add</i>	324.81	
			<i>For Polished Or Patina Finish, Add</i>	324.81	
			<i>For Polished Anodized Finish, Add</i>	487.21	
10 14 19 00-0093			3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	82.24	7.97
			<i>For Installation With Adhesive, Deduct</i>	-7.30	
			<i>For Clear Anodized, Add</i>	5.04	
			<i>For Satin Face And Enameled Return, Add</i>	17.63	
			<i>For Color Anodized, Add</i>	25.18	
			<i>For Polished Or Patina Finish, Add</i>	25.18	
			<i>For Polished Anodized Finish, Add</i>	37.77	
10 14 19 00-0095	EA		4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	105.21	9.25
			<i>For Installation With Adhesive, Deduct</i>	-8.96	
			<i>For Clear Anodized, Add</i>	6.82	
			<i>For Satin Face And Enameled Return, Add</i>	23.88	
			<i>For Color Anodized, Add</i>	34.12	
			<i>For Polished Or Patina Finish, Add</i>	34.12	
			<i>For Polished Anodized Finish, Add</i>	51.17	
10 14 19 00-0096	EA		6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	138.15	11.15
			<i>For Installation With Adhesive, Deduct</i>	-11.37	
			<i>For Clear Anodized, Add</i>	9.35	
			<i>For Satin Face And Enameled Return, Add</i>	32.73	
			<i>For Color Anodized, Add</i>	46.76	
			<i>For Polished Or Patina Finish, Add</i>	46.76	
			<i>For Polished Anodized Finish, Add</i>	70.13	
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	182.23	12.76
			<i>For Installation With Adhesive, Deduct</i>	-14.21	
			<i>For Clear Anodized, Add</i>	13.12	
			<i>For Satin Face And Enameled Return, Add</i>	45.93	
			<i>For Color Anodized, Add</i>	65.61	
			<i>For Polished Or Patina Finish, Add</i>	65.61	
			<i>For Polished Anodized Finish, Add</i>	98.42	
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	227.82	14.35
			<i>For Installation With Adhesive, Deduct</i>	-17.13	
			<i>For Clear Anodized, Add</i>	17.04	
			<i>For Satin Face And Enameled Return, Add</i>	59.65	
			<i>For Color Anodized, Add</i>	85.22	
			<i>For Polished Or Patina Finish, Add</i>	85.22	
			<i>For Polished Anodized Finish, Add</i>	127.82	
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	285.23	16.58
			<i>For Installation With Adhesive, Deduct</i>	-20.89	
			<i>For Clear Anodized, Add</i>	21.89	
			<i>For Satin Face And Enameled Return, Add</i>	76.62	
			<i>For Color Anodized, Add</i>	109.46	
			<i>For Polished Or Patina Finish, Add</i>	109.46	
			<i>For Polished Anodized Finish, Add</i>	164.18	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	354.89	19.13
			<i>For Installation With Adhesive, Deduct</i>	-25.40	
			<i>For Clear Anodized, Add</i>	27.84	
			<i>For Satin Face And Enameled Return, Add</i>	97.43	
			<i>For Color Anodized, Add</i>	139.19	
			<i>For Polished Or Patina Finish, Add</i>	139.19	
			<i>For Polished Anodized Finish, Add</i>	208.78	
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	438.29	22.96
			<i>For Installation With Adhesive, Deduct</i>	-31.10	
			<i>For Clear Anodized, Add</i>	34.65	
			<i>For Satin Face And Enameled Return, Add</i>	121.26	
			<i>For Color Anodized, Add</i>	173.23	
			<i>For Polished Or Patina Finish, Add</i>	173.23	
			<i>For Polished Anodized Finish, Add</i>	259.85	
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	534.60	25.51
			<i>For Installation With Adhesive, Deduct</i>	-36.93	
			<i>For Clear Anodized, Add</i>	43.26	
			<i>For Satin Face And Enameled Return, Add</i>	151.40	
			<i>For Color Anodized, Add</i>	216.29	
			<i>For Polished Or Patina Finish, Add</i>	216.29	
			<i>For Polished Anodized Finish, Add</i>	324.43	
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	635.04	28.69
			<i>For Installation With Adhesive, Deduct</i>	-43.23	
			<i>For Clear Anodized, Add</i>	52.03	
			<i>For Satin Face And Enameled Return, Add</i>	182.09	
			<i>For Color Anodized, Add</i>	260.13	
			<i>For Polished Or Patina Finish, Add</i>	260.13	
			<i>For Polished Anodized Finish, Add</i>	390.19	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	735.22	30.29
			<i>For Installation With Adhesive, Deduct</i>	-48.88	
			<i>For Clear Anodized, Add</i>	61.41	
			<i>For Satin Face And Enameled Return, Add</i>	214.92	
			<i>For Color Anodized, Add</i>	307.03	
			<i>For Polished Or Patina Finish, Add</i>	307.03	
			<i>For Polished Anodized Finish, Add</i>	460.55	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	839.85	31.88
			<i>For Installation With Adhesive, Deduct</i>	-54.75	
			<i>For Clear Anodized, Add</i>	71.23	
			<i>For Satin Face And Enameled Return, Add</i>	249.31	
			<i>For Color Anodized, Add</i>	356.16	
			<i>For Polished Or Patina Finish, Add</i>	356.16	
			<i>For Polished Anodized Finish, Add</i>	534.23	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,151.71	38.26
			<i>For Installation With Adhesive, Deduct</i>	-72.89	
			<i>For Clear Anodized, Add</i>	99.87	
			<i>For Satin Face And Enameled Return, Add</i>	349.53	
			<i>For Color Anodized, Add</i>	499.33	
			<i>For Polished Or Patina Finish, Add</i>	499.33	
			<i>For Polished Anodized Finish, Add</i>	749.00	
10 14 19 00-0107			1" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	91.13	7.97
			<i>For Installation With Adhesive, Deduct</i>	-7.74	
			<i>For Clear Anodized, Add</i>	5.93	
			<i>For Satin Face And Enameled Return, Add</i>	20.74	
			<i>For Color Anodized, Add</i>	29.63	
			<i>For Polished Or Patina Finish, Add</i>	29.63	
			<i>For Polished Anodized Finish, Add</i>	44.44	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	112.37	9.25
			<i>For Installation With Adhesive, Deduct</i>	-9.32	
			<i>For Clear Anodized, Add</i>	7.54	
			<i>For Satin Face And Enameled Return, Add</i>	26.39	
			<i>For Color Anodized, Add</i>	37.70	
			<i>For Polished Or Patina Finish, Add</i>	37.70	
			<i>For Polished Anodized Finish, Add</i>	56.54	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	147.20	11.15
			<i>For Installation With Adhesive, Deduct</i>	-11.82	
			<i>For Clear Anodized, Add</i>	10.26	
			<i>For Satin Face And Enameled Return, Add</i>	35.90	
			<i>For Color Anodized, Add</i>	51.28	
			<i>For Polished Or Patina Finish, Add</i>	51.28	
			<i>For Polished Anodized Finish, Add</i>	76.92	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	200.32	12.76
			<i>For Installation With Adhesive, Deduct</i>	-15.12	
			<i>For Clear Anodized, Add</i>	14.93	
			<i>For Satin Face And Enameled Return, Add</i>	52.26	
			<i>For Color Anodized, Add</i>	74.66	
			<i>For Polished Or Patina Finish, Add</i>	74.66	
			<i>For Polished Anodized Finish, Add</i>	111.98	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	270.80	14.35
			<i>For Installation With Adhesive, Deduct</i>	-19.28	
			<i>For Clear Anodized, Add</i>	21.34	
			<i>For Satin Face And Enameled Return, Add</i>	74.69	
			<i>For Color Anodized, Add</i>	106.71	
			<i>For Polished Or Patina Finish, Add</i>	106.71	
			<i>For Polished Anodized Finish, Add</i>	160.06	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	353.31	16.58
			<i>For Installation With Adhesive, Deduct</i>	-24.30	
			<i>For Clear Anodized, Add</i>	28.70	
			<i>For Satin Face And Enameled Return, Add</i>	100.45	
			<i>For Color Anodized, Add</i>	143.50	
			<i>For Polished Or Patina Finish, Add</i>	143.50	
			<i>For Polished Anodized Finish, Add</i>	215.24	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	445.98	19.13
			<i>For Installation With Adhesive, Deduct</i>	-29.95	
			<i>For Clear Anodized, Add</i>	36.95	
			<i>For Satin Face And Enameled Return, Add</i>	129.31	
			<i>For Color Anodized, Add</i>	184.73	
			<i>For Polished Or Patina Finish, Add</i>	184.73	
			<i>For Polished Anodized Finish, Add</i>	277.10	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	553.78	22.96
			<i>For Installation With Adhesive, Deduct</i>	-36.87	
			<i>For Clear Anodized, Add</i>	46.20	
			<i>For Satin Face And Enameled Return, Add</i>	161.68	
			<i>For Color Anodized, Add</i>	230.98	
			<i>For Polished Or Patina Finish, Add</i>	230.98	
			<i>For Polished Anodized Finish, Add</i>	346.46	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	669.70	25.51
			<i>For Installation With Adhesive, Deduct</i>	-43.69	
			<i>For Clear Anodized, Add</i>	56.77	
			<i>For Satin Face And Enameled Return, Add</i>	198.68	
			<i>For Color Anodized, Add</i>	283.84	
			<i>For Polished Or Patina Finish, Add</i>	283.84	
			<i>For Polished Anodized Finish, Add</i>	425.75	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	822.67	28.69
			<i>For Installation With Adhesive, Deduct</i>	-52.61	
			<i>For Clear Anodized, Add</i>	70.79	
			<i>For Satin Face And Enameled Return, Add</i>	247.76	
			<i>For Color Anodized, Add</i>	353.94	
			<i>For Polished Or Patina Finish, Add</i>	353.94	
			<i>For Polished Anodized Finish, Add</i>	530.91	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	978.80	30.29
			<i>For Installation With Adhesive, Deduct</i>	-61.06	
			<i>For Clear Anodized, Add</i>	85.76	
			<i>For Satin Face And Enameled Return, Add</i>	300.17	
			<i>For Color Anodized, Add</i>	428.82	
			<i>For Polished Or Patina Finish, Add</i>	428.82	
			<i>For Polished Anodized Finish, Add</i>	643.23	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,153.70	31.88
			<i>For Installation With Adhesive, Deduct</i>	-70.44	
			<i>For Clear Anodized, Add</i>	102.62	
			<i>For Satin Face And Enameled Return, Add</i>	359.16	
			<i>For Color Anodized, Add</i>	513.08	
			<i>For Polished Or Patina Finish, Add</i>	513.08	
			<i>For Polished Anodized Finish, Add</i>	769.62	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,626.80	38.26
			<i>For Installation With Adhesive, Deduct</i>	-96.65	
			<i>For Clear Anodized, Add</i>	147.38	
			<i>For Satin Face And Enameled Return, Add</i>	515.81	
			<i>For Color Anodized, Add</i>	736.88	
			<i>For Polished Or Patina Finish, Add</i>	736.88	
			<i>For Polished Anodized Finish, Add</i>	1,105.31	
10 14 19 00-0121			Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	68.33	7.97
			<i>For Installation With Adhesive, Deduct</i>	-6.60	
			<i>For Oxidized Finish, Add</i>	5.47	
			<i>For Polished Finish, Add</i>	10.94	
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	87.71	9.25
			<i>For Installation With Adhesive, Deduct</i>	-8.08	
			<i>For Oxidized Finish, Add</i>	7.61	
			<i>For Polished Finish, Add</i>	15.22	
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	120.15	11.15
			<i>For Installation With Adhesive, Deduct</i>	-10.47	
			<i>For Oxidized Finish, Add</i>	11.33	
			<i>For Polished Finish, Add</i>	22.65	
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs.....	156.47	12.76
			<i>For Installation With Adhesive, Deduct</i>	-12.92	
			<i>For Oxidized Finish, Add</i>	15.82	
			<i>For Polished Finish, Add</i>	31.64	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	199.30	14.35
			<i>For Installation With Adhesive, Deduct</i>	-15.70	
			<i>For Oxidized Finish, Add</i>	21.29	
			<i>For Polished Finish, Add</i>	42.57	
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	251.20	16.58
			<i>For Installation With Adhesive, Deduct</i>	-19.19	
			<i>For Oxidized Finish, Add</i>	27.73	
			<i>For Polished Finish, Add</i>	55.46	
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	313.47	19.13
			<i>For Installation With Adhesive, Deduct</i>	-23.33	
			<i>For Oxidized Finish, Add</i>	35.54	
			<i>For Polished Finish, Add</i>	71.09	
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	382.16	22.96
			<i>For Installation With Adhesive, Deduct</i>	-28.29	
			<i>For Oxidized Finish, Add</i>	43.55	
			<i>For Polished Finish, Add</i>	87.10	
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	462.85	25.51
			<i>For Installation With Adhesive, Deduct</i>	-33.35	
			<i>For Oxidized Finish, Add</i>	54.12	
			<i>For Polished Finish, Add</i>	108.25	
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	549.64	28.69
			<i>For Installation With Adhesive, Deduct</i>	-38.96	
			<i>For Oxidized Finish, Add</i>	65.23	
			<i>For Polished Finish, Add</i>	130.46	
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	673.18	30.29
			<i>For Installation With Adhesive, Deduct</i>	-45.78	
			<i>For Oxidized Finish, Add</i>	82.80	
			<i>For Polished Finish, Add</i>	165.61	
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	737.59	31.88
			<i>For Installation With Adhesive, Deduct</i>	-49.63	
			<i>For Oxidized Finish, Add</i>	91.51	
			<i>For Polished Finish, Add</i>	183.02	
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,104.27	38.26
			<i>For Installation With Adhesive, Deduct</i>	-70.52	
			<i>For Oxidized Finish, Add</i>	142.68	
			<i>For Polished Finish, Add</i>	285.37	
10 14 19 00-0136			3/8" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	81.09	7.97
			<i>For Installation With Adhesive, Deduct</i>	-7.24	
			<i>For Oxidized Finish, Add</i>	7.38	
			<i>For Polished Finish, Add</i>	14.76	
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	105.46	9.25
			<i>For Installation With Adhesive, Deduct</i>	-8.97	
			<i>For Oxidized Finish, Add</i>	10.27	
			<i>For Polished Finish, Add</i>	20.54	
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	150.36	11.15
			<i>For Installation With Adhesive, Deduct</i>	-11.98	
			<i>For Oxidized Finish, Add</i>	15.86	
			<i>For Polished Finish, Add</i>	31.72	
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	198.65	12.76
			<i>For Installation With Adhesive, Deduct</i>	-15.03	
			<i>For Oxidized Finish, Add</i>	22.15	
			<i>For Polished Finish, Add</i>	44.29	
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	263.16	14.35
			<i>For Installation With Adhesive, Deduct</i>	-18.90	
			<i>For Oxidized Finish, Add</i>	30.87	
			<i>For Polished Finish, Add</i>	61.73	
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	324.39	16.58
			<i>For Installation With Adhesive, Deduct</i>	-23.35	
			<i>For Oxidized Finish, Add</i>	40.21	
			<i>For Polished Finish, Add</i>	80.42	
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	420.10	19.13
			<i>For Installation With Adhesive, Deduct</i>	-28.66	
			<i>For Oxidized Finish, Add</i>	51.54	
			<i>For Polished Finish, Add</i>	103.07	
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	498.30	22.96
			<i>For Installation With Adhesive, Deduct</i>	-34.10	
			<i>For Oxidized Finish, Add</i>	60.97	
			<i>For Polished Finish, Add</i>	121.94	
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	625.22	25.51
			<i>For Installation With Adhesive, Deduct</i>	-41.46	
			<i>For Oxidized Finish, Add</i>	78.48	
			<i>For Polished Finish, Add</i>	156.96	
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	723.58	28.69
			<i>For Installation With Adhesive, Deduct</i>	-47.66	
			<i>For Oxidized Finish, Add</i>	91.32	
			<i>For Polished Finish, Add</i>	182.64	
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	888.47	30.29
			<i>For Installation With Adhesive, Deduct</i>	-56.54	
			<i>For Oxidized Finish, Add</i>	115.10	
			<i>For Polished Finish, Add</i>	230.19	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,012.12 -63.36 132.69 265.37	31.88
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,399.15 -85.26 186.92 373.83	38.26
10 14 19 00-0150			1/2" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	101.14 -8.25 10.39 20.78	7.97
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	130.82 -10.24 14.08 28.15	9.25
10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	188.11 -13.87 21.52 43.04	11.15
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	256.65 -17.93 30.85 61.69	12.76
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	355.40 -23.51 44.70 89.40	14.35
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	473.05 -30.28 61.01 122.02	16.58
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	585.97 -36.95 76.42 152.84	19.13
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	698.63 -44.11 91.02 182.04	22.96
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	949.97 -57.70 127.19 254.38	25.51
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,071.46 -65.05 143.50 287.00	28.69
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,335.61 -78.90 182.17 364.34	30.29
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,561.16 -90.81 215.04 430.09	31.88
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	2,350.38 -132.82 329.60 659.20	38.26
10 14 19 00-0164			3/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	123.02 -9.34 13.67 27.34	7.97
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	171.40 -12.27 20.16 40.33	9.25
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	233.42 -16.14 28.32 56.63	11.15
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	314.65 -20.83 39.55 79.09	12.76



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Signage	10 14

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	426.36 -27.06 55.35 110.69	14.35
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	583.97 -35.83 77.65 155.30	16.58
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	728.14 -44.06 97.74 195.49	19.13
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	849.60 -51.66 113.67 227.33	22.96
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,130.38 -66.72 154.25 308.51	25.51
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,236.70 -73.31 168.29 336.57	28.69
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,567.46 -90.49 216.95 433.89	30.29
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,988.20 -112.16 279.10 558.20	31.88
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	2,997.21 -165.17 426.62 853.25	38.26
10 14 19 00-0178			Satin Finish, Bronze Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0179			1/4" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	72.38 -6.81 6.08 12.15	7.97
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	93.39 -8.37 8.46 16.92	9.25
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	128.53 -10.89 12.58 25.17	11.15
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	168.17 -13.51 17.57 35.15	12.76
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	215.04 -16.49 23.65 47.30	14.35
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	271.70 -20.22 30.81 61.61	16.58
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	339.76 -24.64 39.49 78.97	19.13
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	421.60 -30.26 49.47 98.93	22.96
10 14 19 00-0188	EA		18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	504.12 -35.41 60.31 120.63	25.51
10 14 19 00-0189	EA		20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	597.88 -41.37 72.46 144.93	28.69
10 14 19 00-0190	EA		22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Or Patina Finish, Add</i>	696.82 -46.96 86.35 172.70	30.29

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	805.89		31.88
		<i>For Installation With Adhesive, Deduct</i>	-53.05		
		<i>For Oxidized Finish, Add</i>	101.75		
		<i>For Polished Or Patina Finish, Add</i>	203.51		
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,220.47		38.26
		<i>For Installation With Adhesive, Deduct</i>	-76.33		
		<i>For Oxidized Finish, Add</i>	160.11		
		<i>For Polished Or Patina Finish, Add</i>	320.23		
10 14 19 00-0193		3/8" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>			
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	85.34		7.97
		<i>For Installation With Adhesive, Deduct</i>	-7.46		
		<i>For Oxidized Finish, Add</i>	8.02		
		<i>For Polished Or Patina Finish, Add</i>	16.04		
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	110.88		9.25
		<i>For Installation With Adhesive, Deduct</i>	-9.24		
		<i>For Oxidized Finish, Add</i>	11.09		
		<i>For Polished Or Patina Finish, Add</i>	22.17		
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	160.41		11.15
		<i>For Installation With Adhesive, Deduct</i>	-12.48		
		<i>For Oxidized Finish, Add</i>	17.37		
		<i>For Polished Or Patina Finish, Add</i>	34.73		
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	211.51		12.76
		<i>For Installation With Adhesive, Deduct</i>	-15.68		
		<i>For Oxidized Finish, Add</i>	24.08		
		<i>For Polished Or Patina Finish, Add</i>	48.15		
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	285.99		14.35
		<i>For Installation With Adhesive, Deduct</i>	-20.04		
		<i>For Oxidized Finish, Add</i>	34.29		
		<i>For Polished Or Patina Finish, Add</i>	68.58		
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	362.07		16.58
		<i>For Installation With Adhesive, Deduct</i>	-24.74		
		<i>For Oxidized Finish, Add</i>	44.36		
		<i>For Polished Or Patina Finish, Add</i>	88.73		
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	452.95		19.13
		<i>For Installation With Adhesive, Deduct</i>	-30.30		
		<i>For Oxidized Finish, Add</i>	56.46		
		<i>For Polished Or Patina Finish, Add</i>	112.93		
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	560.11		22.96
		<i>For Installation With Adhesive, Deduct</i>	-37.19		
		<i>For Oxidized Finish, Add</i>	70.24		
		<i>For Polished Or Patina Finish, Add</i>	140.48		
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	677.02		25.51
		<i>For Installation With Adhesive, Deduct</i>	-44.05		
		<i>For Oxidized Finish, Add</i>	86.25		
		<i>For Polished Or Patina Finish, Add</i>	172.50		
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	805.61		28.69
		<i>For Installation With Adhesive, Deduct</i>	-51.76		
		<i>For Oxidized Finish, Add</i>	103.62		
		<i>For Polished Or Patina Finish, Add</i>	207.25		
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	944.35		30.29
		<i>For Installation With Adhesive, Deduct</i>	-59.33		
		<i>For Oxidized Finish, Add</i>	123.48		
		<i>For Polished Or Patina Finish, Add</i>	246.96		
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,070.44		31.88
		<i>For Installation With Adhesive, Deduct</i>	-66.28		
		<i>For Oxidized Finish, Add</i>	141.44		
		<i>For Polished Or Patina Finish, Add</i>	282.87		
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,465.98		38.26
		<i>For Installation With Adhesive, Deduct</i>	-88.60		
		<i>For Oxidized Finish, Add</i>	196.94		
		<i>For Polished Or Patina Finish, Add</i>	393.88		
10 14 19 00-0207		1/2" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>			
10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	88.17		7.97
		<i>For Installation With Adhesive, Deduct</i>	-7.60		
		<i>For Oxidized Finish, Add</i>	8.44		
		<i>For Polished Or Patina Finish, Add</i>	16.89		
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	131.18		9.25
		<i>For Installation With Adhesive, Deduct</i>	-10.26		
		<i>For Oxidized Finish, Add</i>	14.13		
		<i>For Polished Or Patina Finish, Add</i>	28.26		
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	186.41		11.15
		<i>For Installation With Adhesive, Deduct</i>	-13.78		
		<i>For Oxidized Finish, Add</i>	21.27		
		<i>For Polished Or Patina Finish, Add</i>	42.53		
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	256.03		12.76
		<i>For Installation With Adhesive, Deduct</i>	-17.90		
		<i>For Oxidized Finish, Add</i>	30.75		
		<i>For Polished Or Patina Finish, Add</i>	61.51		



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	349.05	14.35
			<i>For Installation With Adhesive, Deduct</i>	-23.19	
			<i>For Oxidized Finish, Add</i>	43.75	
			<i>For Polished Or Patina Finish, Add</i>	87.50	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	475.04	16.58
			<i>For Installation With Adhesive, Deduct</i>	-30.38	
			<i>For Oxidized Finish, Add</i>	61.31	
			<i>For Polished Or Patina Finish, Add</i>	122.62	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	616.16	19.13
			<i>For Installation With Adhesive, Deduct</i>	-38.46	
			<i>For Oxidized Finish, Add</i>	80.95	
			<i>For Polished Or Patina Finish, Add</i>	161.89	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	771.16	22.96
			<i>For Installation With Adhesive, Deduct</i>	-47.74	
			<i>For Oxidized Finish, Add</i>	101.90	
			<i>For Polished Or Patina Finish, Add</i>	203.80	
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	946.42	25.51
			<i>For Installation With Adhesive, Deduct</i>	-57.52	
			<i>For Oxidized Finish, Add</i>	126.66	
			<i>For Polished Or Patina Finish, Add</i>	253.32	
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,134.10	28.69
			<i>For Installation With Adhesive, Deduct</i>	-68.18	
			<i>For Oxidized Finish, Add</i>	152.90	
			<i>For Polished Or Patina Finish, Add</i>	305.79	
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,341.55	30.29
			<i>For Installation With Adhesive, Deduct</i>	-79.19	
			<i>For Oxidized Finish, Add</i>	183.06	
			<i>For Polished Or Patina Finish, Add</i>	366.12	
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,558.85	31.88
			<i>For Installation With Adhesive, Deduct</i>	-90.70	
			<i>For Oxidized Finish, Add</i>	214.70	
			<i>For Polished Or Patina Finish, Add</i>	429.39	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	2,181.15	38.26
			<i>For Installation With Adhesive, Deduct</i>	-124.36	
			<i>For Oxidized Finish, Add</i>	304.22	
			<i>For Polished Or Patina Finish, Add</i>	608.43	
10 14 19 00-0221	Satin Finish, Copper Characters (10 14 19 00-0049)				
10 14 19 00-0222	1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)				
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	68.33	7.97
			<i>For Installation With Adhesive, Deduct</i>	-6.60	
			<i>For Polished Finish, Add</i>	10.94	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	89.06	9.25
			<i>For Installation With Adhesive, Deduct</i>	-8.15	
			<i>For Polished Finish, Add</i>	15.62	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	125.36	11.15
			<i>For Installation With Adhesive, Deduct</i>	-10.73	
			<i>For Polished Finish, Add</i>	24.22	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	165.58	12.76
			<i>For Installation With Adhesive, Deduct</i>	-13.38	
			<i>For Polished Finish, Add</i>	34.37	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	209.72	14.35
			<i>For Installation With Adhesive, Deduct</i>	-16.23	
			<i>For Polished Finish, Add</i>	45.70	
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	266.82	16.58
			<i>For Installation With Adhesive, Deduct</i>	-19.97	
			<i>For Polished Finish, Add</i>	60.15	
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	334.30	19.13
			<i>For Installation With Adhesive, Deduct</i>	-24.37	
			<i>For Polished Finish, Add</i>	77.33	
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	412.11	22.96
			<i>For Installation With Adhesive, Deduct</i>	-29.79	
			<i>For Polished Finish, Add</i>	96.08	
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	493.91	25.51
			<i>For Installation With Adhesive, Deduct</i>	-34.90	
			<i>For Polished Finish, Add</i>	117.56	
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	584.79	28.69
			<i>For Installation With Adhesive, Deduct</i>	-40.72	
			<i>For Polished Finish, Add</i>	141.00	
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	682.31	30.29
			<i>For Installation With Adhesive, Deduct</i>	-46.23	
			<i>For Polished Finish, Add</i>	168.35	
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	787.62	31.88
			<i>For Installation With Adhesive, Deduct</i>	-52.14	
			<i>For Polished Finish, Add</i>	198.02	
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,130.13	38.26
			<i>For Installation With Adhesive, Deduct</i>	-71.81	
			<i>For Polished Finish, Add</i>	293.12	
10 14 19 00-0236	3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)				

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	77.45	7.97
			<i>For Installation With Adhesive, Deduct</i>	-7.06	
			<i>For Polished Finish, Add</i>	13.67	
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	104.68	9.25
			<i>For Installation With Adhesive, Deduct</i>	-8.93	
			<i>For Polished Finish, Add</i>	20.31	
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	153.61	11.15
			<i>For Installation With Adhesive, Deduct</i>	-12.14	
			<i>For Polished Finish, Add</i>	32.69	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	211.41	12.76
			<i>For Installation With Adhesive, Deduct</i>	-15.67	
			<i>For Polished Finish, Add</i>	48.12	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	285.88	14.35
			<i>For Installation With Adhesive, Deduct</i>	-20.03	
			<i>For Polished Finish, Add</i>	68.55	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	357.04	16.58
			<i>For Installation With Adhesive, Deduct</i>	-24.48	
			<i>For Polished Finish, Add</i>	87.22	
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	450.31	19.13
			<i>For Installation With Adhesive, Deduct</i>	-30.17	
			<i>For Polished Finish, Add</i>	112.14	
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	556.23	22.96
			<i>For Installation With Adhesive, Deduct</i>	-36.99	
			<i>For Polished Finish, Add</i>	139.32	
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	670.26	25.51
			<i>For Installation With Adhesive, Deduct</i>	-43.72	
			<i>For Polished Finish, Add</i>	170.47	
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	796.29	28.69
			<i>For Installation With Adhesive, Deduct</i>	-51.29	
			<i>For Polished Finish, Add</i>	204.45	
10 14 19 00-0247	EA		22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	934.83	30.29
			<i>For Installation With Adhesive, Deduct</i>	-58.86	
			<i>For Polished Finish, Add</i>	244.10	
10 14 19 00-0248	EA		24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,051.66	31.88
			<i>For Installation With Adhesive, Deduct</i>	-65.34	
			<i>For Polished Finish, Add</i>	277.24	
10 14 19 00-0249	EA		30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,472.10	38.26
			<i>For Installation With Adhesive, Deduct</i>	-88.91	
			<i>For Polished Finish, Add</i>	395.72	
10 14 19 00-0250			Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0251			1/4" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA		2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	65.44	7.97
			<i>For Installation With Adhesive, Deduct</i>	-6.46	
			<i>For Polished Finish, Add</i>	10.07	
10 14 19 00-0253	EA		4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	85.64	9.25
			<i>For Installation With Adhesive, Deduct</i>	-7.98	
			<i>For Polished Finish, Add</i>	14.60	
10 14 19 00-0254	EA		6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	110.07	11.15
			<i>For Installation With Adhesive, Deduct</i>	-9.97	
			<i>For Polished Finish, Add</i>	19.63	
10 14 19 00-0255	EA		8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	141.61	12.76
			<i>For Installation With Adhesive, Deduct</i>	-12.18	
			<i>For Polished Finish, Add</i>	27.18	
10 14 19 00-0256	EA		10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	173.16	14.35
			<i>For Installation With Adhesive, Deduct</i>	-14.40	
			<i>For Polished Finish, Add</i>	34.73	
10 14 19 00-0257	EA		12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	212.29	16.58
			<i>For Installation With Adhesive, Deduct</i>	-17.25	
			<i>For Polished Finish, Add</i>	43.79	
10 14 19 00-0258	EA		14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	254.37	19.13
			<i>For Installation With Adhesive, Deduct</i>	-20.37	
			<i>For Polished Finish, Add</i>	53.36	
10 14 19 00-0259	EA		16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	304.91	22.96
			<i>For Installation With Adhesive, Deduct</i>	-24.43	
			<i>For Polished Finish, Add</i>	63.92	
10 14 19 00-0260	EA		18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	355.38	25.51
			<i>For Installation With Adhesive, Deduct</i>	-27.97	
			<i>For Polished Finish, Add</i>	76.01	
10 14 19 00-0261	EA		20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	415.12	28.69
			<i>For Installation With Adhesive, Deduct</i>	-32.24	
			<i>For Polished Finish, Add</i>	90.10	
10 14 19 00-0262	EA		22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	481.89	30.29
			<i>For Installation With Adhesive, Deduct</i>	-36.21	
			<i>For Polished Finish, Add</i>	108.22	
10 14 19 00-0263	EA		24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	550.35	31.88
			<i>For Installation With Adhesive, Deduct</i>	-40.27	
			<i>For Polished Finish, Add</i>	126.84	
10 14 19 00-0264	EA		30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	753.70	38.26
			<i>For Installation With Adhesive, Deduct</i>	-52.99	
			<i>For Polished Finish, Add</i>	180.20	



Specialties	10
Information Specialties	10 10
Signage	10 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 19 00-0265	3/8" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0260)</small>		
10 14 19 00-0266	EA 2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	77.18	7.97
	<i>For Installation With Adhesive, Deduct</i>	-7.05	
	<i>For Polished Finish, Add</i>	13.59	
10 14 19 00-0267	EA 4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	102.67	9.25
	<i>For Installation With Adhesive, Deduct</i>	-8.83	
	<i>For Polished Finish, Add</i>	19.71	
10 14 19 00-0268	EA 6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	131.67	11.15
	<i>For Installation With Adhesive, Deduct</i>	-11.05	
	<i>For Polished Finish, Add</i>	26.11	
10 14 19 00-0269	EA 8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	167.89	12.76
	<i>For Installation With Adhesive, Deduct</i>	-13.50	
	<i>For Polished Finish, Add</i>	35.06	
10 14 19 00-0270	EA 10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	206.73	14.35
	<i>For Installation With Adhesive, Deduct</i>	-16.08	
	<i>For Polished Finish, Add</i>	44.80	
10 14 19 00-0271	EA 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	254.62	16.58
	<i>For Installation With Adhesive, Deduct</i>	-19.36	
	<i>For Polished Finish, Add</i>	56.49	
10 14 19 00-0272	EA 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	305.94	19.13
	<i>For Installation With Adhesive, Deduct</i>	-22.95	
	<i>For Polished Finish, Add</i>	68.83	
10 14 19 00-0273	EA 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	366.70	22.96
	<i>For Installation With Adhesive, Deduct</i>	-27.52	
	<i>For Polished Finish, Add</i>	82.46	
10 14 19 00-0274	EA 18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	426.32	25.51
	<i>For Installation With Adhesive, Deduct</i>	-31.52	
	<i>For Polished Finish, Add</i>	97.29	
10 14 19 00-0275	EA 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	499.21	28.69
	<i>For Installation With Adhesive, Deduct</i>	-36.44	
	<i>For Polished Finish, Add</i>	115.33	
10 14 19 00-0276	EA 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	561.25	30.29
	<i>For Installation With Adhesive, Deduct</i>	-40.18	
	<i>For Polished Finish, Add</i>	132.03	
10 14 19 00-0277	EA 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	643.36	31.88
	<i>For Installation With Adhesive, Deduct</i>	-44.92	
	<i>For Polished Finish, Add</i>	154.75	
10 14 19 00-0278	EA 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	885.85	38.26
	<i>For Installation With Adhesive, Deduct</i>	-59.60	
	<i>For Polished Finish, Add</i>	219.84	

10 14 19 00-0279	1/2" Deep, Satin Finish, Stainless Steel Characters <small>(10 14 19 00-0250)</small>		
10 14 19 00-0280	EA 2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	92.28	7.97
	<i>For Installation With Adhesive, Deduct</i>	-7.80	
	<i>For Polished Finish, Add</i>	18.12	
10 14 19 00-0281	EA 4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	124.56	9.25
	<i>For Installation With Adhesive, Deduct</i>	-9.93	
	<i>For Polished Finish, Add</i>	26.27	
10 14 19 00-0282	EA 6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	160.46	11.15
	<i>For Installation With Adhesive, Deduct</i>	-12.49	
	<i>For Polished Finish, Add</i>	34.75	
10 14 19 00-0283	EA 8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	210.47	12.76
	<i>For Installation With Adhesive, Deduct</i>	-15.62	
	<i>For Polished Finish, Add</i>	47.84	
10 14 19 00-0284	EA 10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	261.14	14.35
	<i>For Installation With Adhesive, Deduct</i>	-18.80	
	<i>For Polished Finish, Add</i>	61.13	
10 14 19 00-0285	EA 12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	323.22	16.58
	<i>For Installation With Adhesive, Deduct</i>	-22.79	
	<i>For Polished Finish, Add</i>	77.07	
10 14 19 00-0286	EA 14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	389.53	19.13
	<i>For Installation With Adhesive, Deduct</i>	-27.13	
	<i>For Polished Finish, Add</i>	93.90	
10 14 19 00-0287	EA 16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	466.85	22.96
	<i>For Installation With Adhesive, Deduct</i>	-32.53	
	<i>For Polished Finish, Add</i>	112.51	
10 14 19 00-0288	EA 18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	555.52	25.51
	<i>For Installation With Adhesive, Deduct</i>	-37.98	
	<i>For Polished Finish, Add</i>	136.05	
10 14 19 00-0289	EA 20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	652.37	28.69
	<i>For Installation With Adhesive, Deduct</i>	-44.10	
	<i>For Polished Finish, Add</i>	161.27	
10 14 19 00-0290	EA 22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	730.79	30.29
	<i>For Installation With Adhesive, Deduct</i>	-48.66	
	<i>For Polished Finish, Add</i>	182.89	
10 14 19 00-0291	EA 24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	842.08	31.88
	<i>For Installation With Adhesive, Deduct</i>	-54.86	
	<i>For Polished Finish, Add</i>	214.36	
10 14 19 00-0292	EA 30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	1,168.15	38.26
	<i>For Installation With Adhesive, Deduct</i>	-73.71	
	<i>For Polished Finish, Add</i>	304.53	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23	Panel Signage <small>(10 14)</small>		
10 14 23 11	Panel Signage <small>(10 14 23)</small>		
10 14 23 11-0001	Indoor/Outdoor Signs <small>(10 14 23 11)</small> Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002	Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0003	Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	27.50	11.25
	For >25 To 50, Deduct	-0.50	
	For >50 To 100, Deduct	-1.25	
	For >100, Deduct	-1.50	
	For Clear Glass Mount, Add	4.01	
	For Glow-In-Dark, Add	10.02	
	For Reflective Finish, Add	11.27	
10 14 23 11-0005	EA >25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	31.08	11.25
	For >25 To 50, Deduct	-0.86	
	For >50 To 100, Deduct	-2.15	
	For >100, Deduct	-2.58	
	For Clear Glass Mount, Add	6.87	
	For Glow-In-Dark, Add	17.18	
	For Reflective Finish, Add	19.33	
10 14 23 11-0006	EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	36.80	11.25
	For >25 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.58	
	For >100, Deduct	-4.29	
	For Clear Glass Mount, Add	11.45	
	For Glow-In-Dark, Add	28.62	
	For Reflective Finish, Add	32.20	
10 14 23 11-0007	EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	43.95	11.25
	For >25 To 50, Deduct	-2.15	
	For >50 To 100, Deduct	-5.37	
	For >100, Deduct	-6.44	
	For Clear Glass Mount, Add	17.17	
	For Glow-In-Dark, Add	42.92	
	For Reflective Finish, Add	48.29	
10 14 23 11-0008	EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	56.83	11.25
	For >25 To 50, Deduct	-3.43	
	For >50 To 100, Deduct	-8.59	
	For >100, Deduct	-10.30	
	For Clear Glass Mount, Add	27.47	
	For Glow-In-Dark, Add	68.68	
	For Reflective Finish, Add	77.27	
10 14 23 11-0009	EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	79.73	11.25
	For >25 To 50, Deduct	-5.72	
	For >50 To 100, Deduct	-14.31	
	For >100, Deduct	-17.17	
	For Clear Glass Mount, Add	45.79	
	For Glow-In-Dark, Add	114.48	
	For Reflective Finish, Add	128.79	
10 14 23 11-0010	EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	108.35	11.25
	For >25 To 50, Deduct	-8.59	
	For >50 To 100, Deduct	-21.47	
	For >100, Deduct	-25.76	
	For Clear Glass Mount, Add	68.69	
	For Glow-In-Dark, Add	171.72	
	For Reflective Finish, Add	193.19	
10 14 23 11-0011	SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.12	0.01
	For Clear Glass Mount, Add	0.08	
	For Glow-In-Dark, Add	0.20	
	For Reflective Finish, Add	0.23	
10 14 23 11-0012	Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013	EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	28.93	11.25
	For >25 To 50, Deduct	-0.64	
	For >50 To 100, Deduct	-1.61	
	For >100, Deduct	-1.93	
	For Glow-In-Dark, Add	12.88	
	For Reflective Finish, Add	13.85	
10 14 23 11-0014	EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	32.51	11.25
	For >25 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.51	
	For >100, Deduct	-3.01	
	For Glow-In-Dark, Add	20.04	
	For Reflective Finish, Add	21.54	



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0015	EA		>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	39.66	11.25
			<i>For >25 To 50, Deduct</i>	-1.72	
			<i>For >50 To 100, Deduct</i>	-4.29	
			<i>For >100, Deduct</i>	-5.15	
			<i>For Glow-In-Dark, Add</i>	34.34	
			<i>For Reflective Finish, Add</i>	36.92	
10 14 23 11-0016	EA		>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	46.82	11.25
			<i>For >25 To 50, Deduct</i>	-2.43	
			<i>For >50 To 100, Deduct</i>	-6.08	
			<i>For >100, Deduct</i>	-7.30	
			<i>For Glow-In-Dark, Add</i>	48.66	
			<i>For Reflective Finish, Add</i>	52.31	
10 14 23 11-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	57.55	11.25
			<i>For >25 To 50, Deduct</i>	-3.51	
			<i>For >50 To 100, Deduct</i>	-8.77	
			<i>For >100, Deduct</i>	-10.52	
			<i>For Glow-In-Dark, Add</i>	70.12	
			<i>For Reflective Finish, Add</i>	75.38	
10 14 23 11-0018	EA		>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	68.28	11.25
			<i>For >25 To 50, Deduct</i>	-4.58	
			<i>For >50 To 100, Deduct</i>	-11.45	
			<i>For >100, Deduct</i>	-13.74	
			<i>For Glow-In-Dark, Add</i>	91.58	
			<i>For Reflective Finish, Add</i>	98.45	
10 14 23 11-0019	EA		>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	79.73	11.25
			<i>For >25 To 50, Deduct</i>	-5.72	
			<i>For >50 To 100, Deduct</i>	-14.31	
			<i>For >100, Deduct</i>	-17.17	
			<i>For Glow-In-Dark, Add</i>	114.48	
			<i>For Reflective Finish, Add</i>	123.07	
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.08	0.01
			<i>For Glow-In-Dark, Add</i>	0.12	
			<i>For Reflective Finish, Add</i>	0.13	
10 14 23 11-0021			Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	39.66	11.25
			<i>For >25 To 50, Deduct</i>	-1.72	
			<i>For >50 To 100, Deduct</i>	-4.29	
			<i>For >100, Deduct</i>	-5.15	
			<i>For Molded Plastic Frame, Add</i>	15.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	23.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	43.95	11.25
			<i>For >25 To 50, Deduct</i>	-2.15	
			<i>For >50 To 100, Deduct</i>	-5.37	
			<i>For >100, Deduct</i>	-6.44	
			<i>For Molded Plastic Frame, Add</i>	17.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	28.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	51.11	11.25
			<i>For >25 To 50, Deduct</i>	-2.86	
			<i>For >50 To 100, Deduct</i>	-7.16	
			<i>For >100, Deduct</i>	-8.59	
			<i>For Molded Plastic Frame, Add</i>	19.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	31.00	
10 14 23 11-0025	EA		>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	57.84	11.25
			<i>For >25 To 50, Deduct</i>	-3.54	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100, Deduct</i>	-10.61	
			<i>For Molded Plastic Frame, Add</i>	21.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	35.00	
10 14 23 11-0026	SI		>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.62	0.11
			<i>For Molded Plastic Frame, Add</i>	0.20	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.31	
10 14 23 11-0027			Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA		Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	49.68	11.25
			<i>For >25 To 50, Deduct</i>	-2.72	
			<i>For >50 To 100, Deduct</i>	-6.80	
			<i>For >100, Deduct</i>	-8.16	
			<i>For Molded Plastic Frame, Add</i>	15.00	
10 14 23 11-0029	EA		>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	58.27	11.25
			<i>For >25 To 50, Deduct</i>	-3.58	
			<i>For >50 To 100, Deduct</i>	-8.95	
			<i>For >100, Deduct</i>	-10.73	
			<i>For Molded Plastic Frame, Add</i>	17.00	
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	69.71	11.25
			<i>For >25 To 50, Deduct</i>	-4.72	
			<i>For >50 To 100, Deduct</i>	-11.81	
			<i>For >100, Deduct</i>	-14.17	
			<i>For Molded Plastic Frame, Add</i>	19.00	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	92.61	11.25
			<i>For >25 To 50, Deduct</i>	-7.01	
			<i>For >50 To 100, Deduct</i>	-17.53	
			<i>For >100, Deduct</i>	-21.04	
			<i>For Molded Plastic Frame, Add</i>	21.00	
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.92	0.11
			<i>For Molded Plastic Frame, Add</i>	0.20	
10 14 23 11-0033			Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	28.21	11.25
			<i>For >25 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-1.72	
			<i>For Glow-In-Dark, Add</i>	3.43	
			<i>For Reflective Finish, Add</i>	4.29	
10 14 23 11-0035	EA		>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	32.51	11.25
			<i>For >25 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100, Deduct</i>	-3.01	
			<i>For Glow-In-Dark, Add</i>	6.01	
			<i>For Reflective Finish, Add</i>	7.52	
10 14 23 11-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	41.09	11.25
			<i>For >25 To 50, Deduct</i>	-1.86	
			<i>For >50 To 100, Deduct</i>	-4.65	
			<i>For >100, Deduct</i>	-5.58	
			<i>For Glow-In-Dark, Add</i>	11.16	
			<i>For Reflective Finish, Add</i>	13.95	
10 14 23 11-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	51.11	11.25
			<i>For >25 To 50, Deduct</i>	-2.86	
			<i>For >50 To 100, Deduct</i>	-7.16	
			<i>For >100, Deduct</i>	-8.59	
			<i>For Glow-In-Dark, Add</i>	17.17	
			<i>For Reflective Finish, Add</i>	21.47	
10 14 23 11-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	81.16	11.25
			<i>For >25 To 50, Deduct</i>	-5.87	
			<i>For >50 To 100, Deduct</i>	-14.67	
			<i>For >100, Deduct</i>	-17.60	
			<i>For Glow-In-Dark, Add</i>	35.20	
			<i>For Reflective Finish, Add</i>	44.00	
10 14 23 11-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	94.04	11.25
			<i>For >25 To 50, Deduct</i>	-7.16	
			<i>For >50 To 100, Deduct</i>	-17.89	
			<i>For >100, Deduct</i>	-21.47	
			<i>For Glow-In-Dark, Add</i>	42.93	
			<i>For Reflective Finish, Add</i>	53.66	
10 14 23 11-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	111.21	11.25
			<i>For >25 To 50, Deduct</i>	-8.87	
			<i>For >50 To 100, Deduct</i>	-22.18	
			<i>For >100, Deduct</i>	-26.62	
			<i>For Glow-In-Dark, Add</i>	53.23	
			<i>For Reflective Finish, Add</i>	66.54	
10 14 23 11-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.12	0.01
			<i>For Glow-In-Dark, Add</i>	0.06	
			<i>For Reflective Finish, Add</i>	0.08	
10 14 23 11-0042			California Title 24, Surface Mount, Signs <small>(10 14 23 11-0002)</small>		
10 14 23 11-0043			California Title 24, Surface Mount, Geometric Restroom Signs <small>(10 14 23 11-0042)</small>		
			Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044	EA		1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	75.08	11.25
			<i>For >25 To 50, Deduct</i>	-5.26	
			<i>For >50 To 100, Deduct</i>	-7.89	
			<i>For >100, Deduct</i>	-8.94	
10 14 23 11-0045	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	75.08	11.25
			<i>For >25 To 50, Deduct</i>	-5.26	
			<i>For >50 To 100, Deduct</i>	-7.89	
			<i>For >100, Deduct</i>	-8.94	
10 14 23 11-0046	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	96.11	11.25
			Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
			<i>For >25 To 50, Deduct</i>	-7.36	
			<i>For >50 To 100, Deduct</i>	-11.04	
			<i>For >100, Deduct</i>	-12.52	
10 14 23 11-0047			California Title 24, Surface Mount, Stairwell Signs <small>(10 14 23 11-0042)</small>		
			Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0048	EA		1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign.....	141.19	11.25
			<i>For >25 To 50, Deduct</i>	-11.87	
			<i>For >50 To 100, Deduct</i>	-17.81	
			<i>For >100, Deduct</i>	-20.18	
10 14 23 11-0049			Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0050			Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0049)</small>		
10 14 23 11-0051	EA		Up To 25 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	39.37	15.75
			<i>For >25 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.97	
			<i>For >100, Deduct</i>	-2.36	
			<i>For Glow-In-Dark, Add</i>	4.72	
			<i>For Reflective Finish, Add</i>	5.90	
10 14 23 11-0052	EA		>25 To 50 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	45.81	15.75
			<i>For >25 To 50, Deduct</i>	-1.43	
			<i>For >50 To 100, Deduct</i>	-3.58	
			<i>For >100, Deduct</i>	-4.29	
			<i>For Glow-In-Dark, Add</i>	8.59	
			<i>For Reflective Finish, Add</i>	10.73	
10 14 23 11-0053	EA		>50 To 100 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	54.40	15.75
			<i>For >25 To 50, Deduct</i>	-2.29	
			<i>For >50 To 100, Deduct</i>	-5.73	
			<i>For >100, Deduct</i>	-6.87	
			<i>For Glow-In-Dark, Add</i>	13.74	
			<i>For Reflective Finish, Add</i>	17.18	
10 14 23 11-0054	EA		>100 To 150 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	67.28	15.75
			<i>For >25 To 50, Deduct</i>	-3.58	
			<i>For >50 To 100, Deduct</i>	-8.95	
			<i>For >100, Deduct</i>	-10.73	
			<i>For Glow-In-Dark, Add</i>	21.47	
			<i>For Reflective Finish, Add</i>	26.84	
10 14 23 11-0055			90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0056			Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0055)</small>		
10 14 23 11-0057	EA		Up To 25 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	40.09	15.75
			<i>For >25 To 50, Deduct</i>	-0.86	
			<i>For >50 To 100, Deduct</i>	-2.15	
			<i>For >100, Deduct</i>	-2.58	
			<i>For Glow-In-Dark, Add</i>	5.15	
			<i>For Reflective Finish, Add</i>	6.44	
10 14 23 11-0058	EA		>25 To 50 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	47.24	15.75
			<i>For >25 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-3.94	
			<i>For >100, Deduct</i>	-4.72	
			<i>For Glow-In-Dark, Add</i>	9.44	
			<i>For Reflective Finish, Add</i>	11.81	
10 14 23 11-0059	EA		>50 To 100 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	62.98	15.75
			<i>For >25 To 50, Deduct</i>	-3.15	
			<i>For >50 To 100, Deduct</i>	-7.87	
			<i>For >100, Deduct</i>	-9.44	
			<i>For Glow-In-Dark, Add</i>	18.89	
			<i>For Reflective Finish, Add</i>	23.61	
10 14 23 11-0060	EA		>100 To 150 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	68.71	15.75
			<i>For >25 To 50, Deduct</i>	-3.72	
			<i>For >50 To 100, Deduct</i>	-9.30	
			<i>For >100, Deduct</i>	-11.16	
			<i>For Glow-In-Dark, Add</i>	22.33	
			<i>For Reflective Finish, Add</i>	27.91	
10 14 23 11-0061			Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0062			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0061)</small>		
10 14 23 11-0063	EA		Up To 25 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	42.23	15.75
			<i>For >25 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100, Deduct</i>	-3.22	
			<i>For Glow-In-Dark, Add</i>	6.44	
			<i>For Reflective Finish, Add</i>	8.05	
10 14 23 11-0064	EA		>25 To 50 Sl, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	52.96	15.75
			<i>For >25 To 50, Deduct</i>	-2.15	
			<i>For >50 To 100, Deduct</i>	-5.37	
			<i>For >100, Deduct</i>	-6.44	
			<i>For Glow-In-Dark, Add</i>	12.88	
			<i>For Reflective Finish, Add</i>	16.10	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0065	EA		>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	57.26	15.75
			<i>For >25 To 50, Deduct</i>	-2.58	
			<i>For >50 To 100, Deduct</i>	-6.44	
			<i>For >100, Deduct</i>	-7.73	
			<i>For Glow-In-Dark, Add</i>	15.46	
			<i>For Reflective Finish, Add</i>	19.32	
10 14 23 11-0066	EA		>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	62.98	15.75
			<i>For >25 To 50, Deduct</i>	-3.15	
			<i>For >50 To 100, Deduct</i>	-7.87	
			<i>For >100, Deduct</i>	-9.44	
			<i>For Glow-In-Dark, Add</i>	18.89	
			<i>For Reflective Finish, Add</i>	23.61	
10 14 23 11-0067			Adhesive Backed Vinyl Characters <small>(10 14 23 11)</small>		
			Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA		1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.04	0.90
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.53	
10 14 23 11-0069	EA		3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.15	1.04
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.55	
10 14 23 11-0070	EA		1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.27	1.17
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.58	
10 14 23 11-0071	EA		1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.35	1.35
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.74	
10 14 23 11-0072	EA		2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.51	1.58
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.78	
10 14 23 11-0073	EA		3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.40	1.80
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.13	
10 14 23 11-0074	EA		4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.87	2.02
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.25	
10 14 23 11-0075	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.24	2.25
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.73	
10 14 23 11-0076	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	11.16	2.47
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	2.21	
10 14 23 11-0077	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	14.31	2.70
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	2.88	
10 14 23 11-0078			Standoffs For Wall Signage <small>(10 14 23 11)</small>		
			Note: Excludes signage		
10 14 23 11-0079	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff	16.99	6.37
10 14 23 11-0080	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff	17.54	6.37
10 14 23 11-0081	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff	17.68	6.37
10 14 23 11-0082	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff	18.58	6.37
10 14 23 11-0083	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff	19.13	6.37
10 14 23 11-0084	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff	20.22	6.37
10 14 23 11-0085	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff	20.04	7.65
10 14 23 11-0086	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff	21.54	7.65
10 14 23 11-0087	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	22.77	7.65
10 14 23 11-0088	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff	24.04	7.65
10 14 23 11-0089	EA		1" Diameter x 1" Long, Stainless Steel Standoff	25.82	7.65
10 14 23 11-0090	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff	28.00	7.65
10 14 23 11-0091	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	18.99	6.37
10 14 23 11-0092	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	19.40	6.37
10 14 23 11-0093	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	21.27	7.65
10 14 23 11-0094	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.68	7.65
10 14 23 11-0095	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	23.49	7.65
10 14 23 11-0096	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.77	7.65
10 14 23 11-0097			Removal And Reinstallation Of Building Signage <small>(10 14 23 11)</small>		
			Note: Includes storage and cleaning.		
10 14 23 11-0098	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	223.32	
10 14 23 11-0099	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	256.52	
10 14 23 11-0100	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF	288.41	
10 14 23 11-0101	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	67.49	
10 14 23 11-0102			Building Sign <small>(10 14 23 11)</small>		
			Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 11-0103	EA		6" x 18" Metal Building Sign With Numbers	181.82	27.00
10 14 23 11-0104	SF		Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	48.61	8.93
10 14 23 11-0105	SF		Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	36.96	8.30
10 14 23 11-0106	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	36.57	7.02
10 14 23 11-0107	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	42.46	7.66
10 14 23 11-0108	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	46.63	8.30
10 14 23 11-0109	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	55.41	8.93
10 14 53			Traffic Signage <small>(10 14)</small>		
10 14 53 11			Traffic Signage <small>(10 14 53)</small>		



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0001 Traffic Signs <small>(10 14 53 11)</small>		
10 14 53 11-0002 ReflectORIZED Stop Signs And Other Traffic Signs <small>(10 14 53 11-0001)</small> Note: Excludes posts.		
10 14 53 11-0003 Aluminum Engineer Grade Stop Signs <small>(10 14 53 11-0002)</small>		
10 14 53 11-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign.....	71.40	20.25
For Hi-Intensity Grade, Add	9.27	
For Diamond Grade, Add	17.61	
10 14 53 11-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign.....	83.16	21.42
For Hi-Intensity Grade, Add	12.12	
For Diamond Grade, Add	23.03	
10 14 53 11-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign.....	90.17	22.50
For Hi-Intensity Grade, Add	18.52	
For Diamond Grade, Add	29.35	
10 14 53 11-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign.....	105.09	23.67
For Hi-Intensity Grade, Add	6.94	
For Diamond Grade, Add	37.60	
10 14 53 11-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign.....	142.20	24.75
For Hi-Intensity Grade, Add	20.39	
For Diamond Grade, Add	63.96	
10 14 53 11-0009 Steel Engineer Grade Stop Signs <small>(10 14 53 11-0002)</small>		
10 14 53 11-0010 EA 18" x 18" Reflective Steel Stop Sign, Engineering Grade.....	106.03	20.25
10 14 53 11-0011 EA 18" x 24" Reflective Steel Stop Sign, Engineering Grade.....	132.02	21.42
10 14 53 11-0012 EA 24" x 24" Reflective Steel Stop Sign, Engineering Grade.....	140.07	22.50
10 14 53 11-0013 EA 30" x 30" Reflective Steel Stop Sign, Engineering Grade.....	198.47	23.67
10 14 53 11-0014 EA 36" x 36" Reflective Steel Stop Sign, Engineering Grade.....	251.16	24.75
10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs <small>(10 14 53 11-0002)</small>		
10 14 53 11-0016 EA 18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade.....	108.46	20.25
10 14 53 11-0017 EA 18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	138.24	21.42
10 14 53 11-0018 EA 24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade.....	152.31	22.50
10 14 53 11-0019 EA 30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade.....	199.04	23.67
10 14 53 11-0020 Other ReflectORIZED Traffic Signs <small>(10 14 53 11-0002)</small> Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs <small>(10 14 53 11-0020)</small>		
10 14 53 11-0022 EA 6" x 12" Aluminum Engineer Grade Traffic Sign.....	43.65	18.00
For Hi-Intensity Grade, Add	2.30	
10 14 53 11-0023 EA 6" x 18" Aluminum Engineer Grade Traffic Sign.....	47.48	18.00
For Hi-Intensity Grade, Add	3.44	
10 14 53 11-0024 EA 9" x 12" Aluminum Engineer Grade Traffic Sign.....	47.48	18.00
For Hi-Intensity Grade, Add	3.44	
10 14 53 11-0025 EA 9" x 15" Aluminum Engineer Grade Traffic Sign.....	50.35	18.00
For Hi-Intensity Grade, Add	4.31	
10 14 53 11-0026 EA 9" x 18" Aluminum Engineer Grade Traffic Sign.....	53.22	18.00
For Hi-Intensity Grade, Add	5.17	
10 14 53 11-0027 EA 9" x 24" Aluminum Engineer Grade Traffic Sign.....	61.21	19.13
For Hi-Intensity Grade, Add	6.89	
10 14 53 11-0028 EA 9" x 48" Aluminum Engineer Grade Traffic Sign.....	84.18	19.13
For Hi-Intensity Grade, Add	13.78	
10 14 53 11-0029 EA 12" x 12" Aluminum Engineer Grade Traffic Sign.....	51.31	18.00
For Hi-Intensity Grade, Add	4.59	
10 14 53 11-0030 EA 12" x 18" Aluminum Engineer Grade Traffic Sign.....	61.21	19.13
For Hi-Intensity Grade, Add	6.89	
10 14 53 11-0031 EA 12" x 24" Aluminum Engineer Grade Traffic Sign.....	68.87	19.13
For Hi-Intensity Grade, Add	9.19	
10 14 53 11-0032 EA 12" x 30" Aluminum Engineer Grade Traffic Sign.....	76.52	19.13
For Hi-Intensity Grade, Add	11.48	
10 14 53 11-0033 EA 12" x 36" Aluminum Engineer Grade Traffic Sign.....	84.18	19.13
For Hi-Intensity Grade, Add	13.78	
10 14 53 11-0034 EA 18" x 18" Aluminum Engineer Grade Traffic Sign.....	72.69	19.13
For Hi-Intensity Grade, Add	10.33	
10 14 53 11-0035 EA 18" x 24" Aluminum Engineer Grade Traffic Sign.....	84.18	19.13
For Hi-Intensity Grade, Add	13.78	
10 14 53 11-0036 EA 18" x 30" Aluminum Engineer Grade Traffic Sign.....	97.91	20.25
For Hi-Intensity Grade, Add	17.22	
10 14 53 11-0037 EA 18" x 36" Aluminum Engineer Grade Traffic Sign.....	109.39	20.25
For Hi-Intensity Grade, Add	20.67	
10 14 53 11-0038 EA 18" x 48" Aluminum Engineer Grade Traffic Sign.....	141.35	24.75
For Hi-Intensity Grade, Add	27.56	
10 14 53 11-0039 EA 18" x 54" Aluminum Engineer Grade Traffic Sign.....	152.83	24.75
For Hi-Intensity Grade, Add	31.00	
10 14 53 11-0040 EA 24" x 24" Aluminum Engineer Grade Traffic Sign.....	101.73	20.25
For Hi-Intensity Grade, Add	18.37	
10 14 53 11-0041 EA 24" x 30" Aluminum Engineer Grade Traffic Sign.....	117.04	20.25
For Hi-Intensity Grade, Add	22.96	

10 Specialties
10 10 Information Specialties
10 14 Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0042	EA		24" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	132.35 27.56	20.25
10 14 53 11-0043	EA		24" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	156.66 32.15	24.75
10 14 53 11-0044	EA		24" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	171.97 36.74	24.75
10 14 53 11-0045	EA		24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	187.28 41.33	24.75
10 14 53 11-0046	EA		24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	202.58 45.92	24.75
10 14 53 11-0047	EA		30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	136.18 28.70	20.25
10 14 53 11-0048	EA		30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	164.31 34.44	24.75
10 14 53 11-0049	EA		30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	183.45 40.19	24.75
10 14 53 11-0050	EA		30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	211.59 45.92	29.25
10 14 53 11-0051	EA		30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	258.86 57.41	33.75
10 14 53 11-0052	EA		36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	187.28 41.33	24.75
10 14 53 11-0053	EA		36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	219.25 48.22	29.25
10 14 53 11-0054	EA		36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	251.20 55.11	33.75
10 14 53 11-0055	EA		36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	274.16 62.00	33.75
10 14 53 11-0056	EA		36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	306.13 68.89	38.25
10 14 53 11-0057	EA		36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	364.89 83.81	42.75
10 14 53 11-0058	EA		36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	384.03 89.56	42.75
10 14 53 11-0059	EA		36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	512.34 124.00	49.50
10 14 53 11-0060	EA		42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	255.03 56.26	33.75
10 14 53 11-0061	EA		48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	321.44 73.48	38.25
10 14 53 11-0062	EA		48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	361.06 82.67	42.75
10 14 53 11-0063	EA		48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	391.68 91.85	42.75
10 14 53 11-0064	EA		48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	435.80 101.04	49.50
10 14 53 11-0065	EA		48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	466.41 110.22	49.50
10 14 53 11-0066	EA		48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	536.65 128.59	54.00
10 14 53 11-0067	EA		48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	597.88 146.96	54.00
10 14 53 11-0068	EA		48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	628.50 156.15	54.00
10 14 53 11-0069	EA		48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	663.62 165.33	56.25
10 14 53 11-0070	EA		60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	567.26 137.78	54.00
10 14 53 11-0071	EA		72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	1,246.21 330.66	72.01
10 14 53 11-0072	EA		78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	908.55 238.81	56.25
10 14 53 11-0073			Polyethylene Engineer Grade Traffic Signs <small>(10 14 53 11-0020)</small>		
10 14 53 11-0074	EA		6" x 12" Reflective Polyethylene Traffic Sign	76.23	16.92
10 14 53 11-0075	EA		12" x 12" Reflective Polyethylene Traffic Sign	86.69	18.00
10 14 53 11-0076	EA		12" x 18" Reflective Polyethylene Traffic Sign	92.82	19.17
10 14 53 11-0077	EA		18" x 18" Reflective Polyethylene Traffic Sign	112.06	20.25
10 14 53 11-0078	EA		18" x 24" Reflective Polyethylene Traffic Sign	138.24	21.42
10 14 53 11-0079	EA		24" x 24" Reflective Polyethylene Traffic Sign	155.45	21.42
10 14 53 11-0080			Non-Reflectorized Traffic Signs <small>(10 14 53 11-0001)</small> Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0081			Steel Non-Reflectorized Traffic Signs <small>(10 14 53 11-0080)</small>		
10 14 53 11-0082	EA		6" x 12" Steel Non-Reflectorized Traffic Sign.....	42.62	18.00
10 14 53 11-0083	EA		6" x 18" Steel Non-Reflectorized Traffic Sign.....	45.93	18.00
10 14 53 11-0084	EA		9" x 12" Steel Non-Reflectorized Traffic Sign.....	45.93	18.00
10 14 53 11-0085	EA		9" x 15" Steel Non-Reflectorized Traffic Sign.....	48.41	18.00
10 14 53 11-0086	EA		9" x 18" Steel Non-Reflectorized Traffic Sign.....	50.89	18.00
10 14 53 11-0087	EA		9" x 24" Steel Non-Reflectorized Traffic Sign.....	58.10	19.13



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0088 EA 9" x 48" Steel Non-Reflectorized Traffic Sign.....	77.95	19.13
10 14 53 11-0089 EA 12" x 12" Steel Non-Reflectorized Traffic Sign.....	49.23	18.00
10 14 53 11-0090 EA 12" x 18" Steel Non-Reflectorized Traffic Sign.....	58.10	19.13
10 14 53 11-0091 EA 12" x 24" Steel Non-Reflectorized Traffic Sign.....	64.72	19.13
10 14 53 11-0092 EA 12" x 30" Steel Non-Reflectorized Traffic Sign.....	71.34	19.13
10 14 53 11-0093 EA 12" x 36" Steel Non-Reflectorized Traffic Sign.....	77.95	19.13
10 14 53 11-0094 EA 18" x 18" Steel Non-Reflectorized Traffic Sign.....	68.03	19.13
10 14 53 11-0095 EA 18" x 24" Steel Non-Reflectorized Traffic Sign.....	77.95	19.13
10 14 53 11-0096 EA 18" x 30" Steel Non-Reflectorized Traffic Sign.....	90.13	20.25
10 14 53 11-0097 EA 18" x 36" Steel Non-Reflectorized Traffic Sign.....	100.05	20.25
10 14 53 11-0098 EA 18" x 48" Steel Non-Reflectorized Traffic Sign.....	128.90	24.75
10 14 53 11-0099 EA 18" x 54" Steel Non-Reflectorized Traffic Sign.....	138.83	24.75
10 14 53 11-0100 EA 24" x 24" Steel Non-Reflectorized Traffic Sign.....	93.44	20.25
10 14 53 11-0101 EA 24" x 30" Steel Non-Reflectorized Traffic Sign.....	106.67	20.25
10 14 53 11-0102 EA 24" x 36" Steel Non-Reflectorized Traffic Sign.....	119.90	20.25
10 14 53 11-0103 EA 24" x 42" Steel Non-Reflectorized Traffic Sign.....	142.14	24.75
10 14 53 11-0104 EA 24" x 48" Steel Non-Reflectorized Traffic Sign.....	155.37	24.75
10 14 53 11-0105 EA 24" x 54" Steel Non-Reflectorized Traffic Sign.....	168.61	24.75
10 14 53 11-0106 EA 24" x 60" Steel Non-Reflectorized Traffic Sign.....	181.84	24.75
10 14 53 11-0107 EA 30" x 30" Steel Non-Reflectorized Traffic Sign.....	123.21	20.25
10 14 53 11-0108 EA 30" x 36" Steel Non-Reflectorized Traffic Sign.....	148.76	24.75
10 14 53 11-0109 EA 30" x 42" Steel Non-Reflectorized Traffic Sign.....	165.30	24.75
10 14 53 11-0110 EA 30" x 48" Steel Non-Reflectorized Traffic Sign.....	190.85	29.25
10 14 53 11-0111 EA 30" x 60" Steel Non-Reflectorized Traffic Sign.....	232.93	33.75
10 14 53 11-0112 EA 36" x 36" Steel Non-Reflectorized Traffic Sign.....	168.61	24.75
10 14 53 11-0113 EA 36" x 42" Steel Non-Reflectorized Traffic Sign.....	197.47	29.25
10 14 53 11-0114 EA 36" x 48" Steel Non-Reflectorized Traffic Sign.....	226.31	33.75
10 14 53 11-0115 EA 36" x 54" Steel Non-Reflectorized Traffic Sign.....	246.16	33.75
10 14 53 11-0116 EA 36" x 60" Steel Non-Reflectorized Traffic Sign.....	275.01	38.25
10 14 53 11-0117 EA 36" x 73" Steel Non-Reflectorized Traffic Sign.....	327.03	42.75
10 14 53 11-0118 EA 36" x 78" Steel Non-Reflectorized Traffic Sign.....	343.58	42.75
10 14 53 11-0119 EA 36" x 108" Steel Non-Reflectorized Traffic Sign.....	456.33	49.50
10 14 53 11-0120 EA 42" x 42" Steel Non-Reflectorized Traffic Sign.....	229.62	33.75
10 14 53 11-0121 EA 48" x 48" Steel Non-Reflectorized Traffic Sign.....	288.25	38.25
10 14 53 11-0122 EA 48" x 54" Steel Non-Reflectorized Traffic Sign.....	323.72	42.75
10 14 53 11-0123 EA 48" x 60" Steel Non-Reflectorized Traffic Sign.....	350.19	42.75
10 14 53 11-0124 EA 48" x 66" Steel Non-Reflectorized Traffic Sign.....	390.16	49.50
10 14 53 11-0125 EA 48" x 72" Steel Non-Reflectorized Traffic Sign.....	416.63	49.50
10 14 53 11-0126 EA 48" x 84" Steel Non-Reflectorized Traffic Sign.....	478.57	54.00
10 14 53 11-0127 EA 48" x 96" Steel Non-Reflectorized Traffic Sign.....	531.50	54.00
10 14 53 11-0128 EA 48" x 102" Steel Non-Reflectorized Traffic Sign.....	557.97	54.00
10 14 53 11-0129 EA 48" x 108" Steel Non-Reflectorized Traffic Sign.....	588.94	56.25
10 14 53 11-0130 EA 60" x 72" Steel Non-Reflectorized Traffic Sign.....	505.03	54.00
10 14 53 11-0131 EA 72" x 144" Steel Non-Reflectorized Traffic Sign.....	1,096.86	72.01
10 14 53 11-0132 EA 78" x 96" Steel Non-Reflectorized Traffic Sign.....	800.69	56.25
10 14 53 11-0133 Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0080)		
10 14 53 11-0134 EA 6" x 12" Aluminum Non-Reflectorized Traffic Sign.....	42.89	18.00
10 14 53 11-0135 EA 6" x 18" Aluminum Non-Reflectorized Traffic Sign.....	46.33	18.00
10 14 53 11-0136 EA 9" x 12" Aluminum Non-Reflectorized Traffic Sign.....	46.33	18.00
10 14 53 11-0137 EA 9" x 15" Aluminum Non-Reflectorized Traffic Sign.....	48.91	18.00
10 14 53 11-0138 EA 9" x 18" Aluminum Non-Reflectorized Traffic Sign.....	51.50	18.00
10 14 53 11-0139 EA 9" x 24" Aluminum Non-Reflectorized Traffic Sign.....	58.91	19.13
10 14 53 11-0140 EA 9" x 48" Aluminum Non-Reflectorized Traffic Sign.....	79.57	19.13
10 14 53 11-0141 EA 12" x 12" Aluminum Non-Reflectorized Traffic Sign.....	49.77	18.00
10 14 53 11-0142 EA 12" x 18" Aluminum Non-Reflectorized Traffic Sign.....	58.91	19.13
10 14 53 11-0143 EA 12" x 24" Aluminum Non-Reflectorized Traffic Sign.....	65.80	19.13
10 14 53 11-0144 EA 12" x 30" Aluminum Non-Reflectorized Traffic Sign.....	72.68	19.13
10 14 53 11-0145 EA 12" x 36" Aluminum Non-Reflectorized Traffic Sign.....	79.57	19.13
10 14 53 11-0146 EA 18" x 18" Aluminum Non-Reflectorized Traffic Sign.....	69.24	19.13
10 14 53 11-0147 EA 18" x 24" Aluminum Non-Reflectorized Traffic Sign.....	79.57	19.13
10 14 53 11-0148 EA 18" x 30" Aluminum Non-Reflectorized Traffic Sign.....	92.15	20.25
10 14 53 11-0149 EA 18" x 36" Aluminum Non-Reflectorized Traffic Sign.....	102.48	20.25
10 14 53 11-0150 EA 18" x 48" Aluminum Non-Reflectorized Traffic Sign.....	132.14	24.75
10 14 53 11-0151 EA 18" x 54" Aluminum Non-Reflectorized Traffic Sign.....	142.47	24.75
10 14 53 11-0152 EA 24" x 24" Aluminum Non-Reflectorized Traffic Sign.....	95.59	20.25
10 14 53 11-0153 EA 24" x 30" Aluminum Non-Reflectorized Traffic Sign.....	109.37	20.25
10 14 53 11-0154 EA 24" x 36" Aluminum Non-Reflectorized Traffic Sign.....	123.14	20.25
10 14 53 11-0155 EA 24" x 42" Aluminum Non-Reflectorized Traffic Sign.....	145.91	24.75
10 14 53 11-0156 EA 24" x 48" Aluminum Non-Reflectorized Traffic Sign.....	159.69	24.75
10 14 53 11-0157 EA 24" x 54" Aluminum Non-Reflectorized Traffic Sign.....	173.46	24.75
10 14 53 11-0158 EA 24" x 60" Aluminum Non-Reflectorized Traffic Sign.....	187.23	24.75
10 14 53 11-0159 EA 30" x 30" Aluminum Non-Reflectorized Traffic Sign.....	126.58	20.25
10 14 53 11-0160 EA 30" x 36" Aluminum Non-Reflectorized Traffic Sign.....	152.80	24.75
10 14 53 11-0161 EA 30" x 42" Aluminum Non-Reflectorized Traffic Sign.....	170.02	24.75
10 14 53 11-0162 EA 30" x 48" Aluminum Non-Reflectorized Traffic Sign.....	196.24	29.25
10 14 53 11-0163 EA 30" x 60" Aluminum Non-Reflectorized Traffic Sign.....	239.67	33.75
10 14 53 11-0164 EA 36" x 36" Aluminum Non-Reflectorized Traffic Sign.....	173.46	24.75
10 14 53 11-0165 EA 36" x 42" Aluminum Non-Reflectorized Traffic Sign.....	203.13	29.25
10 14 53 11-0166 EA 36" x 48" Aluminum Non-Reflectorized Traffic Sign.....	232.78	33.75



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53	11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	253.44	33.75
10 14 53	11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	283.10	38.25
10 14 53	11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	336.88	42.75
10 14 53	11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	354.09	42.75
10 14 53	11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	470.89	49.50
10 14 53	11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	236.23	33.75
10 14 53	11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	296.88	38.25
10 14 53	11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	333.43	42.75
10 14 53	11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	360.98	42.75
10 14 53	11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	402.03	49.50
10 14 53	11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	429.57	49.50
10 14 53	11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	493.67	54.00
10 14 53	11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	548.76	54.00
10 14 53	11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	576.31	54.00
10 14 53	11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	608.36	56.25
10 14 53	11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	521.21	54.00
10 14 53	11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,135.69	72.01
10 14 53	11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	828.73	56.25
10 14 53	11-0185		Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0080)		
10 14 53	11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign.....	64.25	16.92
10 14 53	11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	70.27	18.00
10 14 53	11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	75.69	19.17
10 14 53	11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	99.82	20.25
10 14 53	11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	106.98	21.42
10 14 53	11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	124.22	22.50
10 14 53	11-0192		Signs For Overhead Sign Structures (10 14 53 11-0001)		
			Note: Including horizontal Z-bars.		
10 14 53	11-0193	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
			For Over 10' High, Add	13.00	
10 14 53	11-0194	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger	32.50	
			Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		
10 14 53	11-0195		Flashing Beacon (10 14 53 11-0001)		
10 14 53	11-0196	EA	Flashing Beacon Assembly.....	1,340.86	196.39
10 14 53	11-0197		Aluminum Street Signs (10 14 53 11-0001)		
			Note: Excludes posts.		
10 14 53	11-0198		Aluminum Engineer Grade Street Signs (10 14 53 11-0197)		
10 14 53	11-0199	EA	6" High, Aluminum Engineer Grade Street Sign	81.30	9.00
10 14 53	11-0200	EA	8" High, Aluminum Engineer Grade Street Sign	92.47	9.00
10 14 53	11-0201	EA	9" High, Aluminum Engineer Grade Street Sign	100.79	9.00
10 14 53	11-0202		Street Sign Accessories (10 14 53 11-0197)		
10 14 53	11-0203	EA	Single Bracket And Post Cap For Street Sign.....	24.23	4.50
10 14 53	11-0204	EA	Double Bracket And Post Cap For Street Sign	24.23	4.50
10 14 53	11-0205		Sign Posts (10 14 53 11-0001)		
			Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53	11-0206		U-Channel Sign Posts (10 14 53 11-0205)		
			Note: Excludes digging and concrete.		
10 14 53	11-0207		Baked Enamel U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53	11-0208	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	63.20	18.40
10 14 53	11-0209	EA	6' Baked Enamel U-Channel Sign Post	83.14	22.99
10 14 53	11-0210	EA	7' Baked Enamel U-Channel Sign Post	99.24	27.59
10 14 53	11-0211	EA	8' Baked Enamel U-Channel Sign Post	116.21	32.19
10 14 53	11-0212	EA	10' Baked Enamel U-Channel Sign Post	140.20	39.08
10 14 53	11-0213	EA	12' Baked Enamel U-Channel Sign Post	144.43	39.08
10 14 53	11-0214		Galvanized Steel U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53	11-0215	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base.....	68.64	18.40
10 14 53	11-0216	EA	6' Galvanized Steel U-Channel Sign Post	91.78	22.99
10 14 53	11-0217	EA	7' Galvanized Steel U-Channel Sign Post	118.79	27.59
10 14 53	11-0218	EA	8' Galvanized Steel U-Channel Sign Post	137.82	32.19
10 14 53	11-0219	EA	10' Galvanized Steel U-Channel Sign Post.....	155.93	39.08
10 14 53	11-0220	EA	12' Galvanized Steel U-Channel Sign Post	158.12	39.08
10 14 53	11-0221		Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53	11-0222	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	61.92	18.40



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0223 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	80.35	22.99
10 14 53 11-0224 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	95.87	27.59
10 14 53 11-0225 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	112.19	32.19
10 14 53 11-0226 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	132.91	39.08
10 14 53 11-0227 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	140.11	39.08
10 14 53 11-0228 Tubular Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0229 2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0228)		
10 14 53 11-0230 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	92.68	22.99
10 14 53 11-0231 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	109.92	27.59
10 14 53 11-0232 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	129.90	32.19
10 14 53 11-0233 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	167.75	39.08
10 14 53 11-0234 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	182.59	39.08
10 14 53 11-0235 Square Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0236 Galvanized Steel Square Sign Posts (10 14 53 11-0235)		
10 14 53 11-0237 EA 3' To 4' Galvanized Steel Square Sign Post Base	69.85	18.40
10 14 53 11-0238 EA 6' Galvanized Steel Square Sign Post	112.25	22.99
10 14 53 11-0239 EA 7' Galvanized Steel Square Sign Post	131.53	27.59
10 14 53 11-0240 EA 8' Galvanized Steel Square Sign Post	153.41	32.19
10 14 53 11-0241 EA 10' Galvanized Steel Square Sign Post	187.37	39.08
10 14 53 11-0242 EA 12' Galvanized Steel Square Sign Post	197.73	39.08
10 14 53 11-0243 Other Sign Posts And Bases (10 14 53 11-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0244 2.5 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 11-0243)		
10 14 53 11-0245 Base Posts, 2.5 LB/LF, For Breakaway Sign Posts (10 14 53 11-0244)		
10 14 53 11-0246 EA Base Post for 2.5 LB/LF Breakaway Sign Post.....	94.54	22.50
10 14 53 11-0247 EA Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post.....	58.54	18.00
10 14 53 11-0248 Breakaway Sign Posts, 2.5 LB/LF (10 14 53 11-0244)		
10 14 53 11-0249 LF 2.5 LB/LF Breakaway Sign Post.....	12.25	2.25
10 14 53 11-0250 4 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 11-0243)		
10 14 53 11-0251 Base Posts, 4 LB/LF, For Breakaway Sign Posts (10 14 53 11-0250)		
10 14 53 11-0252 EA Base Post For 4 LB/LF Breakaway Sign Post	99.04	27.00
10 14 53 11-0253 EA Lap Splice Hardware for 4 LB/LF Breakaway Sign Post.....	58.54	18.00
10 14 53 11-0254 Breakaway Sign Posts, 4 LB/LF (10 14 53 11-0250)		
10 14 53 11-0255 LF 4 LB/LF Breakaway Sign Post.....	15.04	2.25
10 14 53 11-0256 Driven Sign Posts (10 14 53 11-0243)		
10 14 53 11-0257 Driven Posts, 2.5 LB/LF (10 14 53 11-0256)		
10 14 53 11-0258 LF 2.5 LB/LF Driven Post.....	13.15	3.15
10 14 53 11-0259 Driven Posts, 4 LB/LF (10 14 53 11-0256)		
10 14 53 11-0260 LF 4 LB/LF Driven Post.....	16.39	3.60
10 14 53 11-0261 Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 11-0243)		
10 14 53 11-0262 Omni-Directional Breakaway Systems For Signs (10 14 53 11-0261) Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0263 EA Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,427.45	
10 14 53 11-0264 EA Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,520.93	
10 14 53 11-0265 EA Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo AI4 And AI6).....	1,042.73	
10 14 53 11-0266 EA Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	913.28	
10 14 53 11-0267 EA Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	1,035.54	
10 14 53 11-0268 EA Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	985.19	
10 14 53 11-0269 EA Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,067.89	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0270	Omni-Directional Breakaway Systems For Poles <small>(10 14 53 11-0261)</small> Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 11-0271	EA Omni-Directional Breakaway System For Poles With 5/8" Couplings	481.22	
10 14 53 11-0272	EA Omni-Directional Breakaway System For Poles With 3/4" Couplings	504.51	
10 14 53 11-0273	EA Omni-Directional Breakaway System For Poles With 1" Couplings	523.92	
10 14 53 11-0274	EA Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	795.58	
10 14 53 11-0275	EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	69.85	
10 14 53 11-0276	EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	93.14	
10 14 53 11-0277	Sign Post Accessories <small>(10 14 53 11-0001)</small>		
10 14 53 11-0278	Sign Post Brackets <small>(10 14 53 11-0277)</small>		
10 14 53 11-0279	EA 2-3/8" Outside Diameter, Single Side Sign Bracket Set	48.14	6.75
	Note: Includes 2 single side sign post brackets		
10 14 53 11-0280	EA 2-3/8" Outside Diameter, Double Side Sign Bracket Set	64.13	11.25
	Note: Includes 2 double side sign post brackets		
10 14 53 11-0281	EA 4" To 12" Diameter, Buckle Bracket Set	58.12	9.00
	Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware		
10 14 53 11-0282	Sign Post Caps <small>(10 14 53 11-0277)</small>		
10 14 53 11-0283	EA 2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	21.92	4.50
10 14 53 11-0284	Sign Post Replacement Bolts <small>(10 14 53 11-0277)</small>		
10 14 53 11-0285	EA Signage Fasteners Replacement.....	15.19	
	Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		
10 14 53 11-0286	Removal Of Signs <small>(10 14 53 11)</small> Note: Includes structural supports.		
10 14 53 11-0287	EA >4 To 10 SF Sign Area, Sign Removal	180.00	
10 14 53 11-0288	EA >10 To 20 SF Sign Area, Sign Removal	432.02	
10 14 53 11-0289	EA >20 To 40 SF Sign Area, Sign Removal	648.03	
10 14 53 11-0290	EA >40 To 100 SF Sign Area, Sign Removal	1,079.65	
10 14 53 11-0291	Removal And Reinstallation Of Signs <small>(10 14 53 11)</small> Note: Includes structural supports.		
10 14 53 11-0292	EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	274.77	
10 14 53 11-0293	EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	651.42	
10 14 53 11-0294	EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	974.93	
10 14 53 11-0295	EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,622.14	
10 14 53 11-0296	EA Removal And Reinstallation Of Street Sign On Post	103.50	
10 14 53 11-0297	EA Removal And Relocation Of Traffic Light.....	378.86	
	Note: Excludes electrical hookup.		
10 14 56	Bridge Signage <small>(10 14)</small>		
10 14 56 00-0001	Bridge And Truss Mounted Signs <small>(10 14 56)</small>		
10 14 56 00-0002	Removal Of Bridge And Truss Mounted Signs <small>(10 14 56 00-0001)</small>		
10 14 56 00-0003	CF Removal Of Foundation	17.41	
	Note: Including Excavation		
10 14 56 00-0004	LF Removal Of Truss And Supports	228.31	
10 14 56 00-0005	SF Removal Of Sign Face	10.44	
10 14 56 00-0006	SF Removal Of Legend	17.39	
10 14 56 00-0007	EA Removal Of Changeable Message Panel	200.70	
10 14 56 00-0008	EA Removal Of Posts And Supports, Per Post.....	104.36	
10 14 56 00-0009	Fabricate And Install New Reflective Messages On Sign Face <small>(10 14 56 00-0001)</small>		
10 14 56 00-0010	One Color/3 Dimensional Demountable Letters <small>(10 14 56 00-0009)</small>		
10 14 56 00-0011	EA 6" Capital Height Letter	30.30	
10 14 56 00-0012	EA 8" Capital Height Letter	35.80	
10 14 56 00-0013	EA 10" Capital Height Letter	41.27	
10 14 56 00-0014	EA 12" Capital Height Letter	46.21	
10 14 56 00-0015	EA 14" Capital Height Letter	49.12	
10 14 56 00-0016	Two Color Legend Shields-Die Cut Vinyl Engineer Grade <small>(10 14 56 00-0009)</small>		
10 14 56 00-0017	EA 6" Legend/Shields	31.28	
10 14 56 00-0018	EA 8" Legend/Shields	37.11	
10 14 56 00-0019	EA 10" Legend/Shields	42.90	
10 14 56 00-0020	EA 12" Legend/Shields	48.17	
10 14 56 00-0021	EA 14" Legend/Shields	51.43	



Specialties	10	10
Interior Specialties	10 20	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 20 Interior Specialties ⁽¹⁰⁾

10 21 Compartments and Cubicles ^(10 20)

10 21 13 Toilet Compartments ^(10 21)

10 21 13 13 Metal Toilet Compartments ^(10 21 13)

10 21 13 13-0001	Enamel Coated Steel Toilet Partitions And Urinal Screens ^(10 21 13 13) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002	Enamel Coated Steel Toilet Partitions ^(10 21 13 13-0001)		
	Note: All colors.		
10 21 13 13-0003	Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions ^(10 21 13 13-0002)		
10 21 13 13-0004	EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,097.54	143.56
	For >10, Deduct	-81.04	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0005	EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,325.20	156.32
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0006	EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,414.80	162.70
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0007	Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions ^(10 21 13 13-0002)		
	Note: Includes headrail.		
10 21 13 13-0008	EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,145.94	175.47
	For >10, Deduct	-79.50	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0009	EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,329.32	188.22
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0010	EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,404.67	194.60
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0011	Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions ^(10 21 13 13-0002)		
	Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,352.57	207.36
	For >10, Deduct	-93.78	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0013	EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,574.23	220.12
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0014	EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,652.88	226.51
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0015	Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions ^(10 21 13 13-0002)		
	Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,312.05	239.26
	For >10, Deduct	-83.35	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0017	EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,570.51	252.03
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0018	EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,657.87	258.41
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 13-0019	Enamel Coated Steel Urinal Screens ^(10 21 13 13-0001)		
	Note: All colors.		
10 21 13 13-0020	Floor Anchored, Enamel Coated Steel, Urinal Screens ^(10 21 13 13-0019)		
10 21 13 13-0021	EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	582.80	89.28
	For Heavy Gauge Full-Height SS Brackets, Add	66.98	
10 21 13 13-0022	EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	645.62	95.65
	For Heavy Gauge Full-Height SS Brackets, Add	66.98	
10 21 13 13-0023	EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	710.33	102.03
	For Heavy Gauge Full-Height SS Brackets, Add	66.98	
10 21 13 13-0024	Wall Hung, Enamel Coated Steel, Urinal Screens ^(10 21 13 13-0019)		

10 Specialties

10 20 Interior Specialties

10 21 Compartments and Cubicles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0025 EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	333.99 66.98	76.52
10 21 13 13-0026 EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	360.23 66.98	82.90
10 21 13 13-0027 EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	380.67 66.98	89.28
10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0029 EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	429.45 66.98	82.90
10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0031 EA 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	479.58 66.98	82.90
10 21 13 13-0032 EA 24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	511.58 66.98	89.28
10 21 13 13-0033 EA 30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	543.58 66.98	95.65
10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0035 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	540.45 66.98	89.28
10 21 13 13-0036 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	580.15 66.98	95.65
10 21 13 13-0037 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	641.04 66.98	102.03
10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001) Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)		
10 21 13 13-0040 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	343.64 107.79	25.52
10 21 13 13-0041 EA 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	351.34 107.79	25.52
10 21 13 13-0042 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	372.50 107.79	27.44
10 21 13 13-0043 EA 34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	407.16 107.79	27.44
10 21 13 13-0044 EA 36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	414.86 107.79	27.44
10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)		
10 21 13 13-0046 EA 6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	249.81 66.98	38.29
10 21 13 13-0047 EA 12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	275.45 66.98	41.47
10 21 13 13-0048 EA 18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	301.08 66.98	44.66
10 21 13 13-0049 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	326.70 66.98	47.85
10 21 13 13-0050 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	352.33 66.98	51.04
10 21 13 13-0051 EA 36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	377.97 66.98	54.23
10 21 13 13-0052 EA 42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.67 66.98	57.42
10 21 13 13-0053 EA 48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	427.31 66.98	60.62
10 21 13 13-0054 EA 55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	445.23 66.98	63.81
10 21 13 13-0055 EA 58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	455.48 42.00 66.98	65.08
10 21 13 13-0056 EA 60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	468.94 42.00 66.98	67.00
10 21 13 13-0057 EA 70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	511.89 42.00 66.98	70.18
10 21 13 13-0058 EA 78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	549.07 42.00 66.98	73.37
10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	13-0060	EA Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	188.44 66.98	19.14
10 21	13	13-0061	EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.28 66.98	22.33
10 21	13	13-0062	EA 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	230.06 66.98	25.52
10 21	13	13-0063	EA 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	267.24 66.98	28.71
10 21	13	13-0064	EA 10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	302.51 66.98	31.90
10 21	13	13-0065	EA 12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	337.76 66.98	35.10
10 21	13	13-0066	EA 18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	434.61 66.98	38.29
10 21	13	13-0067	EA 22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	498.75 66.98	41.47
10 21	13	13-0068	EA 24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	535.93 66.98	44.66
10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)					
10 21	13	13-0070	EA Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	151.87 66.98	19.14
10 21	13	13-0071	EA 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	165.94 66.98	22.33
10 21	13	13-0072	EA 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	181.94 66.98	25.52
10 21	13	13-0073	EA 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	205.64 66.98	28.71
10 21	13	13-0074	EA 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	227.43 66.98	31.90
10 21	13	13-0075	EA 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	251.13 66.98	35.10
10 21	13	13-0076	EA 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	309.48 66.98	38.29
10 21	13	13-0077	EA 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	348.60 66.98	41.47
10 21	13	13-0078	EA 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	372.31 66.98	44.66
10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)					
10 21	13	13-0080	EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	210.82 66.98	25.52
10 21	13	13-0081	EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	230.67 66.98	28.71
10 21	13	13-0082	EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	252.46 66.98	31.90
10 21	13	13-0083	EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	289.63 66.98	35.10
10 21	13	13-0084	EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	324.88 66.98	38.29
10 21	13	13-0085	EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	360.15 66.98	41.47
10 21	13	13-0086	EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	457.01 66.98	44.66
10 21	13	13-0087	EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	521.12 66.98	47.85
10 21	13	13-0088	EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	558.30 66.98	51.04
10 21 13 14 Stainless-Steel Toilet Compartments (10 21 13)					
10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14)					
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.					
10 21 13 14-0002 Stainless Steel Toilet Partitions (10 21 13 14-0001)					
10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)					
10 21	13	14-0004	EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,502.72 -221.56 241.76 775.46	143.56
10 21	13	14-0005	EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,019.63 241.76 947.44	156.32

10 Specialties
10 20 Interior Specialties
10 21 Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,162.60 241.76 993.02	162.70
10 21 13 14-0007			Overhead Braced, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,126.29 -177.54 241.76 621.38	175.47
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,584.77 241.76 772.92	188.22
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,815.22 241.76 849.10	194.60
10 21 13 14-0011			Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,940.39 -252.57 241.76 883.98	207.36
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,153.38 241.76 949.60	220.12
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,300.51 241.76 996.63	226.51
10 21 13 14-0015			Ceiling Hung, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,947.75 -246.92 241.76 864.23	239.26
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,582.66 241.76 1,077.51	252.03
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,766.35 241.76 1,137.34	258.41
10 21 13 14-0019			Stainless Steel Urinal Screens <small>(10 21 13 14-0001)</small>		
10 21 13 14-0020			Floor Anchored, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	831.73 66.98 228.61	89.28
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	940.75 66.98 262.30	95.65
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	961.37 66.98 265.06	102.03
10 21 13 14-0024			Wall Hung, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	616.43 66.98 162.19	76.52
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	667.05 66.98 175.43	82.90
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	728.05 66.98 192.33	89.28
10 21 13 14-0028			Wall Hung And Post Supported, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	995.10 66.98 290.26	82.90



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,043.31 66.98 302.66	89.28
10 21	13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,091.28 66.98 314.99	95.65
10 21	13 14-0032		Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21	13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	831.73 66.98 228.61	89.28
10 21	13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	940.73 66.98 262.30	95.65
10 21	13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,054.27 66.98 297.57	102.03
10 21	13 14-0036		Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001) See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21	13 14-0037		Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)		
10 21	13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	545.15 107.79 172.94	25.52
10 21	13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	623.19 107.79 200.25	25.52
10 21	13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	640.38 107.79 204.04	28.71
10 21	13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	662.91 107.79 211.92	28.71
10 21	13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	669.18 107.79 214.12	28.71
10 21	13 14-0043		Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)		
10 21	13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	473.04 66.98 138.77	38.29
10 21	13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	525.23 66.98 154.80	41.47
10 21	13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	547.44 66.98 160.34	44.66
10 21	13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	572.64 66.98 166.93	47.85
10 21	13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	614.59 66.98 179.38	51.04
10 21	13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	663.32 66.98 194.20	54.23
10 21	13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	775.30 66.98 231.16	57.42
10 21	13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	848.61 66.98 254.58	60.62
10 21	13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	870.84 66.98 260.13	63.81
10 21	13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	913.90 66.98 274.31	65.08
10 21	13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	970.56 66.98 292.80	67.00
10 21	13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,016.94 66.98 306.80	70.18
10 21	13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,115.42 66.98 339.03	73.37
10 21	13 14-0057		70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		

10 Specialties

10 20 Interior Specialties

10 21 Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	327.13 66.98 101.09	19.14
10 21 13 14-0059	EA		5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	356.39 66.98 109.11	22.33
10 21 13 14-0060	EA		6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	387.43 66.98 117.74	25.52
10 21 13 14-0061	EA		8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	441.36 66.98 134.38	28.71
10 21 13 14-0062	EA		10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	495.31 66.98 151.03	31.90
10 21 13 14-0063	EA		12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	549.23 66.98 167.67	35.10
10 21 13 14-0064	EA		18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	696.51 66.98 216.98	38.29
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	798.00 66.98 250.27	41.47
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	851.93 66.98 266.91	44.66
10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)					
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	250.59 66.98 74.31	19.14
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	271.49 66.98 79.39	22.33
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	293.14 66.98 84.74	25.52
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	380.09 66.98 112.93	28.71
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	428.94 66.98 127.80	31.90
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	444.12 66.98 130.88	35.10
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	503.07 66.98 149.28	38.29
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	567.28 66.98 169.52	41.47
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	602.34 66.98 179.55	44.66
10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)					
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	359.25 66.98 107.87	25.52
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	393.81 66.98 117.74	28.71
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	426.62 66.98 126.98	31.90
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	489.35 66.98 146.71	35.10
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	550.33 66.98 165.82	38.29
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	611.31 66.98 184.93	41.47
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	785.01 66.98 243.49	44.66
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	900.57 66.98 281.70	47.85



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0086 EA 24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	963.31 66.98 301.43	51.04
10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)		
10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens (10 21 13 16) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002 Laminated Plastic Toilet Partitions (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)		
10 21 13 16-0004 EA 36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,465.88 -117.88 194.28 241.76	143.56
10 21 13 16-0005 EA 60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,793.22 194.30 241.76	156.32
10 21 13 16-0006 EA 60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,929.92 194.31 241.76	162.70
10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Includes headrail.		
10 21 13 16-0008 EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,587.23 -123.63 194.34 241.76	175.47
10 21 13 16-0009 EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,928.93 194.36 241.76	188.22
10 21 13 16-0010 EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,076.43 194.37 241.76	194.60
10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Excludes above ceiling steel.		
10 21 13 16-0012 EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,122.29 -164.38 194.45 241.76	239.26
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,475.08 194.48 241.76	252.03
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,611.78 194.49 241.76	258.41
10 21 13 16-0015 Laminated Plastic Urinal Screens (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	618.18 66.98	89.28
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	674.06 66.98	95.65
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	695.26 66.98	102.03
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	480.26 66.98	76.52
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	505.35 66.98	82.90
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	529.30 66.98	89.28

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	637.16	82.90
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	699.08	89.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	766.18	95.65
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	588.21	82.90
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	645.32	89.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	665.82	95.65
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 16-0001)</small>		
Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors <small>(10 21 13 16-0032)</small>		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door	486.82	25.52
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	107.79	
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door	529.16	25.52
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	107.79	
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door	547.09	28.71
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	107.79	
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	560.18	28.71
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	107.79	
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	572.50	28.71
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	107.79	
10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels <small>(10 21 13 16-0032)</small>		
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	248.19	38.29
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	274.54	41.47
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	300.87	44.66
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	328.22	47.85
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	353.54	51.04
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	381.02	54.23
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	389.74	57.42
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	399.94	60.62
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0048 EA 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	420.98	63.81
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0049 EA 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	438.50	65.08
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0050 EA 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	458.13	67.00
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0051 EA 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	522.25	70.18
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0052 EA 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	594.85	73.37
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0054 EA Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	202.28	19.14
<i>For 1-1/4" Pilaster, Add</i>	13.53	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
<i>For Steel Core Pilaster, Add</i>	163.99	
10 21 13 16-0055 EA 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	233.29	22.33
<i>For 1-1/4" Pilaster, Add</i>	15.56	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
<i>For Steel Core Pilaster, Add</i>	188.63	
10 21 13 16-0056 EA 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	239.67	25.52
<i>For 1-1/4" Pilaster, Add</i>	15.56	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
<i>For Steel Core Pilaster, Add</i>	188.63	
10 21 13 16-0057 EA 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	264.53	28.71
<i>For 1-1/4" Pilaster, Add</i>	17.09	
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
<i>For Steel Core Pilaster, Add</i>	207.11	



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	276.31 17.53 66.98 212.50	31.90
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	300.39 18.99 66.98 230.21	35.10
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	382.22 25.22 66.98 305.66	38.29
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	462.52 31.31 66.98 379.57	41.47
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	518.95 35.44 66.98 429.62	44.66
10 21 13 16-0063			83" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	396.31 29.54 66.98 358.02	19.14
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	438.09 32.46 66.98 393.43	22.33
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	444.47 32.46 66.98 393.43	25.52
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	480.88 34.94 66.98 423.46	28.71
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	525.00 38.05 66.98 461.19	31.90
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	560.62 40.46 66.98 490.44	35.10
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	697.52 51.23 66.98 620.96	38.29
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	794.36 58.69 66.98 711.41	41.47
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	815.37 59.90 66.98 726.04	44.66

10 21 13 19 Plastic Toilet Compartments (10 21 13)

10 21 13 19-0001			Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,953.58 -160.27 241.76 993.65	175.47
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,401.18 241.76 1,255.34	188.22

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,658.94 241.76 1,407.23	194.60
10 21 13 19-0007			Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,956.68 -154.20 241.76 956.01	207.36
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,443.49 241.76 1,242.01	220.12
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,701.24 241.76 1,393.90	226.51
10 21 13 19-0011			Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,055.44 -157.69 241.76 977.68	239.26
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,434.36 241.76 1,196.79	252.03
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,692.09 241.76 1,348.67	258.41
10 21 13 19-0015			Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016			Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0017	EA		18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	460.07 66.98 190.36	76.52
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	484.93 66.98 197.85	82.90
10 21 13 19-0019			Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	583.13 66.98 258.74	82.90
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	734.97 66.98 344.97	89.28
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	816.21 66.98 387.44	95.65
10 21 13 19-0023			Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	595.89 66.98 258.74	89.28
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	747.71 66.98 344.97	95.65
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	885.78 66.98 422.67	102.03
10 21 13 19-0027			Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0028	Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0027)</small>		
10 21	13	19-0029	EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	463.55 107.79 255.76	25.52
10 21	13	19-0030	EA 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	501.09 107.79 279.03	25.52
10 21	13	19-0031	EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	544.74 107.79 302.14	28.71
10 21	13	19-0032	EA 34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	620.71 107.79 349.24	28.71
10 21	13	19-0033	EA 36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	638.69 107.79 360.39	28.71
10 21	13	19-0034	Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0027)</small>		
10 21	13	19-0035	EA 6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	167.99 66.98 56.69	38.29
10 21	13	19-0036	EA 12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	265.82 66.98 113.38	41.47
10 21	13	19-0037	EA 18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	363.61 66.98 170.05	44.66
10 21	13	19-0038	EA 24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	423.91 66.98 203.49	47.85
10 21	13	19-0039	EA 30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	512.35 66.98 254.37	51.04
10 21	13	19-0040	EA 36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	547.44 66.98 272.16	54.23
10 21	13	19-0041	EA 42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	614.12 66.98 309.55	57.42
10 21	13	19-0042	EA 48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	691.81 66.98 353.76	60.62
10 21	13	19-0043	EA 55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	755.30 66.98 389.17	63.81
10 21	13	19-0044	EA 58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	771.68 66.98 397.74	65.08
10 21	13	19-0045	EA 60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	797.63 66.98 411.46	67.00
10 21	13	19-0046	EA 70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	900.82 66.98 471.48	70.18
10 21	13	19-0047	EA 78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	970.59 66.98 510.78	73.37
10 21	13	19-0048	82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21	13	19-0049	EA Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	214.42 66.98 109.20	19.14
10 21	13	19-0050	EA 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	238.45 66.98 120.15	22.33
10 21	13	19-0051	EA 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	259.40 66.98 129.18	25.52
10 21	13	19-0052	EA 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	278.80 66.98 137.26	28.71
10 21	13	19-0053	EA 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	313.00 66.98 154.50	31.90
10 21	13	19-0054	EA 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	347.16 66.98 171.73	35.10
10 21	13	19-0055	EA 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	475.53 66.98 247.36	38.29

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	537.40 66.98 281.76	41.47
10 21	13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	585.09 66.98 307.37	44.66
10 21	13 19-0058		96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21	13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	261.99 66.98 130.79	25.52
10 21	13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	288.45 66.98 143.24	28.71
10 21	13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	317.76 66.98 157.45	31.90
10 21	13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	359.92 66.98 179.64	35.10
10 21	13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	402.49 66.98 202.08	38.29
10 21	13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	444.68 66.98 224.27	41.47
10 21	13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	569.06 66.98 297.43	44.66
10 21	13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	636.49 66.98 335.29	47.85
10 21	13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	692.03 66.98 365.77	51.04
10 21	13 19-0068		Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21	13 19-0069		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21	13 19-0070		Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21	13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,514.51 -216.36 241.76 1,341.43	175.47
10 21	13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,109.86 241.76 1,694.72	188.22
10 21	13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,453.36 241.76 1,899.77	194.60
10 21	13 19-0074		Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21	13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,496.36 -208.16 241.76 1,290.61	207.36
10 21	13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,144.61 241.76 1,676.70	220.12
10 21	13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,488.11 241.76 1,881.76	226.51



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0079 EA 36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,607.37	239.26
For >10, Deduct	-212.88	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
For NFPA Class A, Add	1,319.88	
10 21 13 19-0080 EA 60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,109.95	252.03
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
For NFPA Class A, Add	1,615.65	
10 21 13 19-0081 EA 60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,453.43	258.41
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
For NFPA Class A, Add	1,820.70	
10 21 13 19-0082 Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens <small>(10 21 13 19-0068)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083 Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084 EA 18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	567.51	76.52
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	256.97	
10 21 13 19-0085 EA 24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	592.67	82.90
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	264.65	
10 21 13 19-0086 Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087 EA 18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	916.95	82.90
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	465.71	
10 21 13 19-0088 EA 24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,042.69	89.28
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	535.76	
10 21 13 19-0089 EA 30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,111.62	95.65
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	570.60	
10 21 13 19-0090 Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0091 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	741.93	89.28
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	349.29	
10 21 13 19-0092 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	942.45	95.65
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	465.71	
10 21 13 19-0093 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,124.38	102.03
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
For NFPA Class A, Add	570.60	
10 21 13 19-0094 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0068)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095 Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096 EA 24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	607.93	25.52
For Heavy Gauge Full-Height SS Hinge, Add	107.79	
For NFPA Class A, Add	345.27	
10 21 13 19-0097 EA 26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	658.63	25.52
For Heavy Gauge Full-Height SS Hinge, Add	107.79	
For NFPA Class A, Add	376.71	
10 21 13 19-0098 EA 30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	715.30	28.71
For Heavy Gauge Full-Height SS Hinge, Add	107.79	
For NFPA Class A, Add	407.89	
10 21 13 19-0099 EA 34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	817.87	28.71
For Heavy Gauge Full-Height SS Hinge, Add	107.79	
For NFPA Class A, Add	471.48	
10 21 13 19-0100 EA 36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	842.13	28.71
For Heavy Gauge Full-Height SS Hinge, Add	107.79	
For NFPA Class A, Add	486.52	
10 21 13 19-0101 Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		

10 Specialties

10 20 Interior Specialties

10 21 Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0102	EA		6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	199.98 66.98 76.52	38.29
10 21 13 19-0103	EA		12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.82 66.98 153.06	41.47
10 21 13 19-0104	EA		18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	459.62 66.98 229.58	44.66
10 21 13 19-0105	EA		24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	538.78 66.98 274.71	47.85
10 21 13 19-0106	EA		30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	655.94 66.98 343.39	51.04
10 21 13 19-0107	EA		36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	701.08 66.98 367.42	54.23
10 21 13 19-0108	EA		42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	788.86 66.98 417.89	57.42
10 21 13 19-0109	EA		48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	891.53 66.98 477.59	60.62
10 21 13 19-0110	EA		55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	974.99 66.98 525.38	63.81
10 21 13 19-0111	EA		58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	996.21 66.98 536.95	65.08
10 21 13 19-0112	EA		60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,029.89 66.98 555.46	67.00
10 21 13 19-0113	EA		70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,166.99 66.98 636.50	70.18
10 21 13 19-0114	EA		78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,258.92 66.98 689.55	73.37
10 21 13 19-0115			82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	276.06 66.98 147.42	19.14
10 21 13 19-0117	EA		5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	306.28 66.98 162.20	22.33
10 21 13 19-0118	EA		6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	332.32 66.98 174.39	25.52
10 21 13 19-0119	EA		8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	383.45 66.98 202.14	28.71
10 21 13 19-0120	EA		10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	430.81 66.98 227.54	31.90
10 21 13 19-0121	EA		12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	478.09 66.98 252.90	35.10
10 21 13 19-0122	EA		18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	615.17 66.98 333.94	38.29
10 21 13 19-0123	EA		22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	696.47 66.98 380.38	41.47
10 21 13 19-0124	EA		24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	758.60 66.98 414.95	44.66
10 21 13 19-0125			96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	335.83 66.98 176.57	25.52
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	369.32 66.98 193.38	28.71
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	406.65 66.98 212.56	31.90



Specialties	10
Interior Specialties	10 20
Compartments and Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0129 EA 8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	461.35 66.98 242.53	35.10
10 21 13 19-0130 EA 10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	516.58 66.98 272.81	38.29
10 21 13 19-0131 EA 12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	571.28 66.98 302.76	41.47
10 21 13 19-0132 EA 18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	736.98 66.98 401.54	44.66
10 21 13 19-0133 EA 22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	825.76 66.98 452.64	47.85
10 21 13 19-0134 EA 24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	898.50 66.98 493.78	51.04
10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136 Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138 EA 36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,226.55 -193.94 241.76 421.64	143.56
10 21 13 19-0139 EA 60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,735.59 241.76 524.45	156.32
10 21 13 19-0140 EA 60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,054.78 241.76 589.44	162.70
10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142 EA 36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,471.66 -212.07 241.76 462.90	175.47
10 21 13 19-0143 EA 60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,000.93 241.76 569.96	188.22
10 21 13 19-0144 EA 60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,335.56 241.76 638.19	194.60
10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146 EA 36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,552.04 -213.73 241.76 469.57	207.36
10 21 13 19-0147 EA 60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,077.55 241.76 575.85	220.12
10 21 13 19-0148 EA 60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,396.74 241.76 640.83	226.51
10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0150 EA 36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,516.92 -203.84 241.76 451.99	239.26

10 Specialties

10 20 Interior Specialties

10 21 Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13	19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add</i>	3,025.60 241.76 554.73	252.03
10 21 13	19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add</i>	3,344.78 241.76 619.71	258.41
10 21 13	19-0153		Solid Phenolic Urinal Screens (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13	19-0154		Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13	19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	810.67 66.98 141.67	89.28
10 21 13	19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	916.57 66.98 161.87	95.65
10 21 13	19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	1,099.48 66.98 198.24	102.03
10 21 13	19-0158		Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13	19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	517.99 66.98 84.29	76.52
10 21 13	19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	600.04 66.98 99.48	82.90
10 21 13	19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	721.45 66.98 122.93	89.28
10 21 13	19-0162		Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13	19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	526.00 66.98 83.93	82.90
10 21 13	19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	658.81 66.98 109.78	89.28
10 21 13	19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	770.28 66.98 131.15	95.65
10 21 13	19-0166		Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13	19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	834.34 66.98 148.68	82.90
10 21 13	19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	940.91 66.98 169.02	89.28
10 21 13	19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add</i>	1,127.28 66.98 206.12	95.65
10 21 13	19-0170		Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13	19-0171		Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)		
10 21 13	19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add</i>	603.85 107.79 118.64	25.52
10 21 13	19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add</i>	624.63 107.79 123.01	25.52
10 21 13	19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add</i>	684.35 107.79 134.53	28.71
10 21 13	19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add</i>	738.56 107.79 145.91	28.71
10 21 13	19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add</i>	794.24 107.79 157.60	28.71
10 21 13	19-0177		Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)		



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0178	EA 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	191.77 66.98 28.02	38.29
10 21	13	19-0179	EA 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	255.72 66.98 40.43	41.47
10 21	13	19-0180	EA 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	348.46 66.98 58.88	44.66
10 21	13	19-0181	EA 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	442.17 66.98 77.54	47.85
10 21	13	19-0182	EA 30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	493.08 66.98 87.21	51.04
10 21	13	19-0183	EA 36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	546.56 66.98 97.42	54.23
10 21	13	19-0184	EA 42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	637.81 66.98 115.56	57.42
10 21	13	19-0185	EA 48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	731.78 66.98 134.28	60.62
10 21	13	19-0186	EA 55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	780.51 66.98 143.49	63.81
10 21	13	19-0187	EA 58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	802.30 66.98 147.66	65.08
10 21	13	19-0188	EA 60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	817.68 66.98 150.27	67.00
10 21	13	19-0189	EA 70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	941.09 66.98 175.17	70.18
10 21	13	19-0190	EA 78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,136.87 66.98 215.26	73.37
10 21	13	19-0191	69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21	13	19-0192	EA Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	286.98 31.09 66.98 54.14	19.14
10 21	13	19-0193	EA 5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	330.30 35.71 66.98 62.22	22.33
10 21	13	19-0194	EA 6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	336.68 35.71 66.98 62.54	25.52
10 21	13	19-0195	EA 8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	390.03 41.58 66.98 72.72	28.71
10 21	13	19-0196	EA 10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	438.76 46.87 66.98 81.93	31.90
10 21	13	19-0197	EA 12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	487.48 52.16 66.98 91.14	35.10
10 21	13	19-0198	EA 16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	623.98 68.43 66.98 118.79	38.29
10 21	13	19-0199	EA 20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	766.64 85.46 66.98 147.72	41.47
10 21	13	19-0200	EA 24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	805.36 89.50 66.98 154.83	44.66
10 21	13	19-0201	83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21	13	19-0202	EA Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	314.69 34.55 66.98 59.96	19.14

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0203	EA		5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	368.80	22.33
			<i>For 1" Pilaster, Add</i>	40.52	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	70.30	
10 21 13 19-0204	EA		6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	375.18	25.52
			<i>For 1" Pilaster, Add</i>	40.52	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	70.62	
10 21 13 19-0205	EA		8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	434.68	28.71
			<i>For 1" Pilaster, Add</i>	47.16	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	82.10	
10 21 13 19-0206	EA		10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	491.12	31.90
			<i>For 1" Pilaster, Add</i>	53.47	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	92.93	
10 21 13 19-0207	EA		12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	547.93	35.10
			<i>For 1" Pilaster, Add</i>	59.72	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	103.84	
10 21 13 19-0208	EA		16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	714.06	38.29
			<i>For 1" Pilaster, Add</i>	79.69	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	137.70	
10 21 13 19-0209	EA		20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	850.97	41.47
			<i>For 1" Pilaster, Add</i>	96.00	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	165.43	
10 21 13 19-0210	EA		24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	895.07	44.66
			<i>For 1" Pilaster, Add</i>	100.72	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	173.67	
10 21 13 19-0211			96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)		
10 21 13 19-0212	EA		Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	355.16	25.52
			<i>For 1" Pilaster, Add</i>	38.02	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	66.42	
10 21 13 19-0213	EA		5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	420.05	28.71
			<i>For 1" Pilaster, Add</i>	45.33	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	79.02	
10 21 13 19-0214	EA		6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	426.44	31.90
			<i>For 1" Pilaster, Add</i>	45.33	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	79.34	
10 21 13 19-0215	EA		8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	492.10	35.10
			<i>For 1" Pilaster, Add</i>	52.74	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	92.11	
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	556.22	38.29
			<i>For 1" Pilaster, Add</i>	59.96	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	104.56	
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	621.13	41.47
			<i>For 1" Pilaster, Add</i>	67.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	117.17	
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	816.91	44.66
			<i>For 1" Pilaster, Add</i>	90.95	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	157.26	
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	948.01	47.85
			<i>For 1" Pilaster, Add</i>	106.54	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	183.77	
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	997.50	51.04
			<i>For 1" Pilaster, Add</i>	111.93	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
			<i>For NFPA Class A, Add</i>	193.14	
10 21 13 19-0221			Solid Color Reinforced Composite Toilet Partitions And Urinal Screens (10 21 13 19-0221)		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.		
10 21 13 19-0222			Solid Color Reinforced Composite Toilet Partitions (10 21 13 19-0221)		
			Note: Includes all standard Bobrick colors.		



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
10 21 13 19-0224 EA 36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,459.28	143.56
<i>For >10, Deduct</i>	-217.22	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0225 EA 60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,026.35	156.32
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0226 EA 60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,382.31	162.70
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
Note: Includes headrail.		
10 21 13 19-0228 EA 36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,726.15	175.47
<i>For >10, Deduct</i>	-237.52	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0229 EA 60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,315.87	188.22
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0230 EA 60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,689.12	194.60
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0232 EA 36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,808.52	207.36
<i>For >10, Deduct</i>	-239.38	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0233 EA 60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,394.03	220.12
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0234 EA 60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,749.99	226.51
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0236 EA 36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,761.53	239.26
<i>For >10, Deduct</i>	-228.30	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0237 EA 60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,328.18	252.03
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0238 EA 60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,684.13	258.41
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	241.76	
10 21 13 19-0239 Solid Color Reinforced Composite Urinal Screens <small>(10 21 13 19-0221)</small>		
Note: Includes all standard Bobrick colors.		
10 21 13 19-0240 Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241 EA 24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	886.52	89.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 19-0242 EA 36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	1,003.60	95.65
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 19-0243 EA 48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	1,206.93	102.03
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 19-0244 Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245 EA 18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	561.79	76.52
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 19-0246 EA 24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	652.15	82.90
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	
10 21 13 19-0247 EA 30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....	786.60	89.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	66.98	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0248	Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small> 10 21 13 19-0249 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....569.23 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0250 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....716.44 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0251 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....839.76 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98	82.90 89.28 95.65
10 21 13 19-0252	Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small> 10 21 13 19-0253 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....914.57 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0254 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....1,032.39 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0255 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen.....1,239.60 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98	82.90 89.28 95.65
10 21 13 19-0256	Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.	
10 21 13 19-0257	Solid Color Reinforced Composite, Toilet Partition Doors <small>(10 21 13 19-0256)</small> 10 21 13 19-0258 EA 24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....670.18 <i>For Heavy Gauge Full-Height SS Hinge, Add</i> 107.79 10 21 13 19-0259 EA 26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....693.47 <i>For Heavy Gauge Full-Height SS Hinge, Add</i> 107.79 10 21 13 19-0260 EA 30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....759.59 <i>For Heavy Gauge Full-Height SS Hinge, Add</i> 107.79 10 21 13 19-0261 EA 34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....820.29 <i>For Heavy Gauge Full-Height SS Hinge, Add</i> 107.79 10 21 13 19-0262 EA 36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door.....882.66 <i>For Heavy Gauge Full-Height SS Hinge, Add</i> 107.79	25.52 25.52 28.71 28.71 28.71
10 21 13 19-0263	Solid Color Reinforced Composite, Toilet Partition Panels <small>(10 21 13 19-0256)</small> 10 21 13 19-0264 EA 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....205.60 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0265 EA 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....276.45 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0266 EA 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....379.55 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0267 EA 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....483.74 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0268 EA 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....540.00 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0269 EA 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....599.13 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0270 EA 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....700.57 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0271 EA 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....805.05 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0272 EA 55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....858.85 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0273 EA 58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....882.96 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0274 EA 60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....899.73 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0275 EA 70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....1,037.18 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0276 EA 78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....1,255.69 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98	38.29 41.47 44.66 47.85 51.04 54.23 57.42 60.62 63.81 65.08 67.00 70.18 73.37
10 21 13 19-0277	69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small> 10 21 13 19-0278 EA Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....316.82 <i>For 1" Pilaster, Add</i> 34.82 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0279 EA 5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....364.58 <i>For 1" Pilaster, Add</i> 39.99 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98 10 21 13 19-0280 EA 6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....370.96 <i>For 1" Pilaster, Add</i> 39.99 <i>For Heavy Gauge Full-Height SS Brackets, Add</i> 66.98	19.14 22.33 25.52



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0281	EA 8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	429.94 46.57 66.98	28.71
10 21	13	19-0282	EA 10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	483.76 52.49 66.98	31.90
10 21	13	19-0283	EA 12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	537.56 58.42 66.98	35.10
10 21	13	19-0284	EA 16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	689.67 76.64 66.98	38.29
10 21	13	19-0285	EA 20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	848.69 95.72 66.98	41.47
10 21	13	19-0286	EA 24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	891.28 100.24 66.98	44.66
10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)					
10 21	13	19-0288	EA Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	347.86 38.70 66.98	19.14
10 21	13	19-0289	EA 5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	407.70 45.38 66.98	22.33
10 21	13	19-0290	EA 6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	414.08 45.38 66.98	25.52
10 21	13	19-0291	EA 8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	479.95 52.82 66.98	28.71
10 21	13	19-0292	EA 10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	542.40 59.82 66.98	31.90
10 21	13	19-0293	EA 12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	605.26 66.89 66.98	35.10
10 21	13	19-0294	EA 16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	790.56 89.25 66.98	38.29
10 21	13	19-0295	EA 20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	943.13 107.52 66.98	41.47
10 21	13	19-0296	EA 24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	991.76 112.80 66.98	44.66
10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)					
10 21	13	19-0298	EA Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	391.65 42.58 66.98	25.52
10 21	13	19-0299	EA 5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	463.57 50.77 66.98	28.71
10 21	13	19-0300	EA 6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	469.96 50.77 66.98	31.90
10 21	13	19-0301	EA 8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	542.73 59.07 66.98	35.10
10 21	13	19-0302	EA 10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	613.78 67.15 66.98	38.29
10 21	13	19-0303	EA 12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	685.71 75.35 66.98	41.47
10 21	13	19-0304	EA 16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	904.22 101.86 66.98	44.66
10 21	13	19-0305	EA 20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,050.28 119.32 66.98	47.85
10 21	13	19-0306	EA 24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,104.95 125.36 66.98	51.04

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0307)</small> Note: Small particulate finish.		
10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310 EA 36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,012.74	143.56
For >10, Deduct	-472.56	
For Solid Color Material (No Particulate), Deduct	-1,086.89	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0311 EA 60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,054.46	156.32
For Solid Color Material (No Particulate), Deduct	-1,320.62	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0312 EA 60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,714.68	162.70
For Solid Color Material (No Particulate), Deduct	-1,469.53	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314 EA 36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,205.27	175.47
For >10, Deduct	-485.44	
For Solid Color Material (No Particulate), Deduct	-1,116.50	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0315 EA 60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	6,840.61	188.22
For Solid Color Material (No Particulate), Deduct	-1,486.76	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0316 EA 60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,573.35	194.60
For Solid Color Material (No Particulate), Deduct	-1,652.35	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0318 EA 36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,830.55	207.36
For >10, Deduct	-541.58	
For Solid Color Material (No Particulate), Deduct	-1,245.64	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0319 EA 60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,833.42	220.12
For Solid Color Material (No Particulate), Deduct	-1,700.43	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0320 EA 60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,565.58	226.51
For Solid Color Material (No Particulate), Deduct	-1,865.89	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0322 EA 36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	5,887.39	239.26
For >10, Deduct	-540.89	
For Solid Color Material (No Particulate), Deduct	-1,244.04	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0323 EA 60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	7,523.35	252.03
For Solid Color Material (No Particulate), Deduct	-1,614.43	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0324 EA 60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	8,255.48	258.41
For Solid Color Material (No Particulate), Deduct	-1,779.89	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	241.76	
10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small>		
10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327 EA 24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,380.58	89.28
For Solid Color Material (No Particulate), Deduct	-276.46	
For Heavy Gauge Full-Height SS Brackets, Add	66.98	
10 21 13 19-0328 EA 36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,824.97	95.65
For Solid Color Material (No Particulate), Deduct	-375.74	
For Heavy Gauge Full-Height SS Brackets, Add	66.98	



Specialties	10
Interior Specialties	10 20
Compartments and Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0329 EA 48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,269.38 -475.02 66.98	102.03
10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0329)		
10 21 13 19-0331 EA 18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	705.13 -126.98 66.98	76.52
10 21 13 19-0332 EA 24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	901.91 -169.31 66.98	82.90
10 21 13 19-0333 EA 30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,098.71 -211.63 66.98	89.28
10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0329)		
10 21 13 19-0335 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	923.10 -174.18 66.98	82.90
10 21 13 19-0336 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,151.70 -223.82 66.98	89.28
10 21 13 19-0337 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,380.25 -273.46 66.98	95.65
10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0329)		
10 21 13 19-0339 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,414.86 -287.28 66.98	82.90
10 21 13 19-0340 EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,859.28 -386.57 66.98	89.28
10 21 13 19-0341 EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,303.67 -485.85 66.98	95.65
10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0307)		
<i>See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.</i>		
10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors (10 21 13 19-0342)		
10 21 13 19-0344 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,094.18 -239.92 107.79	25.52
10 21 13 19-0345 EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,168.73 -257.07 107.79	25.52
10 21 13 19-0346 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,332.79 -293.34 107.79	28.71
10 21 13 19-0347 EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,486.64 -328.72 107.79	28.71
10 21 13 19-0348 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	1,553.59 -344.12 107.79	28.71
10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels (10 21 13 19-0342)		
10 21 13 19-0350 EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	292.37 -49.64 66.98	38.29
10 21 13 19-0351 EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	514.60 -99.28 66.98	41.47
10 21 13 19-0352 EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	736.79 -148.92 66.98	44.66
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	959.00 -198.56 66.98	47.85
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,181.19 -248.20 66.98	51.04
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,403.40 -297.83 66.98	54.23

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0356	EA		42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,625.62 -347.48 66.98	57.42
10 21 13 19-0357	EA		48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,847.81 -397.11 66.98	60.62
10 21 13 19-0358	EA		55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,105.98 -455.03 66.98	63.81
10 21 13 19-0359	EA		58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,216.46 -479.85 66.98	65.08
10 21 13 19-0360	EA		60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,292.22 -496.39 66.98	67.00
10 21 13 19-0361	EA		70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,658.29 -579.12 66.98	70.18
10 21 13 19-0362	EA		78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,952.44 -645.31 66.98	73.37
10 21 13 19-0363			72" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0364	EA		Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	377.01 -77.91 66.98	19.14
10 21 13 19-0365	EA		5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	468.06 -97.38 66.98	22.33
10 21 13 19-0366	EA		6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	559.12 -116.86 66.98	25.52
10 21 13 19-0367	EA		8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	734.89 -155.82 66.98	28.71
10 21 13 19-0368	EA		10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	910.64 -194.77 66.98	31.90
10 21 13 19-0369	EA		12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,086.37 -233.72 66.98	35.10
10 21 13 19-0370	EA		18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,600.83 -350.58 66.98	38.29
10 21 13 19-0371	EA		22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,945.96 -428.49 66.98	41.47
10 21 13 19-0372	EA		24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,121.70 -467.45 66.98	44.66
10 21 13 19-0373			82" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0374	EA		Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	424.05 -88.72 66.98	19.14
10 21 13 19-0375	EA		5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	526.89 -110.91 66.98	22.33
10 21 13 19-0376	EA		6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	618.67 -130.55 66.98	25.52
10 21 13 19-0377	EA		8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	843.68 -180.84 66.98	28.71
10 21 13 19-0378	EA		10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,028.24 -221.82 66.98	31.90
10 21 13 19-0379	EA		12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,227.49 -266.18 66.98	35.10
10 21 13 19-0380	EA		18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,812.54 -399.28 66.98	38.29
10 21 13 19-0381	EA		22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,204.72 -488.01 66.98	41.47
10 21 13 19-0382	EA		24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,403.98 -532.37 66.98	44.66
10 21 13 19-0383			96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		



Specialties	10	10
Interior Specialties	10 20	
Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0384	EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	559.12 -116.86 66.98	25.52
10 21	13	19-0385	EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	692.53 -146.08 66.98	28.71
10 21	13	19-0386	EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	825.96 -175.29 66.98	31.90
10 21	13	19-0387	EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,086.37 -233.72 66.98	35.10
10 21	13	19-0388	EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,346.79 -292.15 66.98	38.29
10 21	13	19-0389	EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,607.22 -350.58 66.98	41.47
10 21	13	19-0390	EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,375.74 -525.87 66.98	44.66
10 21	13	19-0391	EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,890.22 -642.74 66.98	47.85
10 21	13	19-0392	EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	3,150.64 -701.17 66.98	51.04

10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)

10 21 13 43-0001 Accessories (10 21 13 43)

10 21	13	43-0002	LF Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	14.73	2.55
10 21	13	43-0003	LF Stainless Steel Headrails For Toilet Partitions And Urinal Screens	24.97	2.55
10 21	13	43-0004	EA Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	120.82	
10 21	13	43-0005	EA Replacement Of 58" Aluminum Wall U Bracket	77.26	
10 21	13	43-0006	EA Replacement Of 58" Aluminum Wall Two Ear Bracket	128.53	
10 21	13	43-0007	EA Replacement Of 54" Stainless Steel Wall U Bracket	93.00	
10 21	13	43-0008	EA Replacement Of 54" Stainless Steel Wall Two Ear Bracket	223.29	
10 21	13	43-0009	EA Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	194.90	
10 21	13	43-0010	EA Replacement Of 57-1/2" Stainless Steel Hinge	153.43	

10 21 16 Shower and Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21	16	17-0003	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	1,324.68 150.85	159.51
10 21	16	17-0004	EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	1,685.43 201.13	172.27
10 21	16	17-0005	EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	2,202.60 272.96	191.41
10 21	16	17-0006	EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	2,601.60 323.25	223.32
10 21	16	17-0007	EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	3,000.63 373.53	255.22

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21	16	17-0009	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	3,274.33 463.12 87.02 119.76 146.90 176.84 141.07 181.07	280.35
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10	10 Specialties
	10 20 Interior Specialties
	10 21 Compartments and Cubicles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0010 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,070.90	306.14
For 66" High Panels, Add	580.02	
For 6" Wide Head Rail, Add	109.88	
For 8" Wide Head Rail, Add	150.59	
For 10" Wide Head Rail, Add	185.18	
For 12" Wide Head Rail, Add	222.82	
For 18" Wide, 1/2" Thick Bench, Add	146.23	
For 24" Wide, 1/2" Thick Bench, Add	186.23	
10 21 16 17-0011 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,173.82	325.53
For 66" High Panels, Add	743.52	
For 6" Wide Head Rail, Add	142.19	
For 8" Wide Head Rail, Add	193.93	
For 10" Wide Head Rail, Add	239.16	
For 12" Wide Head Rail, Add	287.64	
For 18" Wide, 1/2" Thick Bench, Add	150.11	
For 24" Wide, 1/2" Thick Bench, Add	190.11	
10 21 16 17-0012 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,517.20	364.19
For 66" High Panels, Add	791.16	
For 6" Wide Head Rail, Add	150.95	
For 8" Wide Head Rail, Add	206.12	
For 10" Wide Head Rail, Add	254.01	
For 12" Wide Head Rail, Add	305.54	
For 18" Wide, 1/2" Thick Bench, Add	157.84	
For 24" Wide, 1/2" Thick Bench, Add	197.84	
10 21 16 17-0013 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	6,325.33	395.84
For 66" High Panels, Add	909.22	
For 6" Wide Head Rail, Add	173.93	
For 8" Wide Head Rail, Add	237.18	
For 10" Wide Head Rail, Add	292.52	
For 12" Wide Head Rail, Add	351.81	
For 18" Wide, 1/2" Thick Bench, Add	164.16	
For 24" Wide, 1/2" Thick Bench, Add	204.16	

10 21 23 Cubicle Curtains and Track (10 21)

10 21 23 13 Cubicle Curtains (10 21 23)

10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops (10 21 23 13)

10 21 23 13-0002 LF 84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	18.06	1.09
10 21 23 13-0003 LF 90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	19.12	1.09
10 21 23 13-0004 LF 96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	20.46	1.09
10 21 23 13-0005 LF 102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.53	1.09
10 21 23 13-0006 LF 108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	22.61	1.09
10 21 23 13-0007 LF 120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.67	1.09

10 21 23 16 Cubicle Track and Hardware (10 21 23)

10 21 23 16-0001 Hospital Cubicle Curtain Channel Track (10 21 23 16)

Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.

10 21 23 16-0002 LF Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	23.82	5.80
10 21 23 16-0003 LF Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	37.42	6.37

10 21 23 16-0004 Hospital IV Tracks (10 21 23 16)

10 21 23 16-0005 LF Oval Hospital Partition IV Track	24.49	3.65
10 21 23 16-0006 EA Hospital Partition IV Trolley	132.54	15.20
10 21 23 16-0007 EA 5 Hook Tree, Hospital Partition IV Pendant	527.02	15.20

10 22 Partitions (10 20)

10 22 13 Wire Mesh Partitions (10 22)

10 22 13 00-0001 Wall Panels (10 22 13)

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002 SF Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.30	1.59
For 5' Wide Panels, Add	0.61	
10 22 13 00-0003 SF Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.96	1.92
For 5' Wide Panels, Add	0.66	
10 22 13 00-0004 SF Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	25.72	2.23
For 5' Wide Panels, Add	1.06	

10 22 13 00-0005 Ceiling Panels (10 22 13)

Note: Includes steel frame.

10 22 13 00-0006 SF Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.87	1.92
10 22 13 00-0007 SF Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.54	2.23
10 22 13 00-0008 SF Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	19.44	2.55

10 22 13 00-0009 Sliding Doors (10 22 13)

Note: Includes padlocks lugs and/or provisions for cylinder lock.



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0010 EA 4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,465.21	334.97
For 8 Gauge, Add	152.79	
For 6 Gauge, Add	305.58	
10 22 13 00-0011 EA 4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,546.18	370.06
For 8 Gauge, Add	157.91	
For 6 Gauge, Add	315.83	
10 22 13 00-0012 EA 5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,687.62	382.82
For 8 Gauge, Add	176.58	
For 6 Gauge, Add	353.16	
10 22 13 00-0013 EA 5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,840.40	414.73
For 8 Gauge, Add	193.11	
For 6 Gauge, Add	386.23	
10 22 13 00-0014 EA 6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,904.91	440.25
For 8 Gauge, Add	197.69	
For 6 Gauge, Add	395.37	
10 22 13 00-0015 EA 6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,093.44	465.77
For 8 Gauge, Add	220.86	
For 6 Gauge, Add	441.72	
10 22 13 00-0016 EA 8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,249.89	500.87
For 8 Gauge, Add	237.31	
For 6 Gauge, Add	474.62	
10 22 13 00-0017 EA 8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,445.52	523.20
For 8 Gauge, Add	262.19	
For 6 Gauge, Add	524.38	
10 22 13 00-0018 EA 10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,468.35	535.95
For 8 Gauge, Add	263.06	
For 6 Gauge, Add	526.12	
10 22 13 00-0019 EA 10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,720.86	567.85
For 8 Gauge, Add	294.56	
For 6 Gauge, Add	589.12	
10 22 13 00-0020 Swing Doors <small>(10 22 13)</small>		
10 22 13 00-0021 Single Swing Door <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022 EA 3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	999.57	197.80
For 8 Gauge, Add	107.40	
For 6 Gauge, Add	214.80	
10 22 13 00-0023 EA 3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,074.76	223.32
For 8 Gauge, Add	116.55	
For 6 Gauge, Add	233.10	
10 22 13 00-0024 EA 3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,151.50	236.07
For 8 Gauge, Add	125.51	
For 6 Gauge, Add	251.02	
10 22 13 00-0025 EA 4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,138.56	255.22
For 8 Gauge, Add	119.74	
For 6 Gauge, Add	239.48	
10 22 13 00-0026 EA 4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,217.99	267.98
For 8 Gauge, Add	129.10	
For 6 Gauge, Add	258.21	
10 22 13 00-0027 EA 4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,272.76	280.74
For 8 Gauge, Add	134.77	
For 6 Gauge, Add	269.53	
10 22 13 00-0028 Double Swing Doors <small>(10 22 13 00-0020)</small>		
10 22 13 00-0029 EA 6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,578.89	319.02
For 8 Gauge, Add	173.03	
For 6 Gauge, Add	346.06	
10 22 13 00-0030 EA 6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,707.84	338.17
For 8 Gauge, Add	188.54	
For 6 Gauge, Add	377.09	
10 22 13 00-0031 EA 6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,836.78	357.30
For 8 Gauge, Add	204.06	
For 6 Gauge, Add	408.11	

10 Specialties

10 20 Interior Specialties

10 22 Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0032	EA		8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,971.51	382.82
			<i>For 8 Gauge, Add</i>	219.16	
			<i>For 6 Gauge, Add</i>	438.32	
10 22 13 00-0033	EA		8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,156.01	401.96
			<i>For 8 Gauge, Add</i>	243.01	
			<i>For 6 Gauge, Add</i>	486.02	
10 22 13 00-0034	EA		8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,338.39	421.11
			<i>For 8 Gauge, Add</i>	266.54	
			<i>For 6 Gauge, Add</i>	533.08	
10 22 13 00-0035			Dutch Doors <small>(10 22 13)</small>		
			Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0036	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,345.19	197.80
			<i>For 8 Gauge, Add</i>	159.24	
			<i>For 6 Gauge, Add</i>	318.49	
10 22 13 00-0037	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,426.54	223.32
			<i>For 8 Gauge, Add</i>	169.32	
			<i>For 6 Gauge, Add</i>	338.64	
10 22 13 00-0038	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,469.10	236.07
			<i>For 8 Gauge, Add</i>	173.15	
			<i>For 6 Gauge, Add</i>	346.30	
10 22 13 00-0039	EA		3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,549.92	267.98
			<i>For 8 Gauge, Add</i>	178.89	
			<i>For 6 Gauge, Add</i>	357.79	
10 22 13 00-0040	EA		4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,489.18	255.22
			<i>For 8 Gauge, Add</i>	172.33	
			<i>For 6 Gauge, Add</i>	344.67	
10 22 13 00-0041	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,579.60	267.98
			<i>For 8 Gauge, Add</i>	183.35	
			<i>For 6 Gauge, Add</i>	366.69	
10 22 19			Demountable Partitions <small>(10 22)</small>		
10 22 19 13			Demountable Metal Partitions <small>(10 22 19)</small>		
10 22 19 13-0001	LF		9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	178.54	20.30
			<i>For >9, Add</i>	22.32	
10 22 19 13-0002	LF		7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	156.65	16.17
			<i>For >9, Add</i>	19.58	
10 22 19 13-0003	LF		5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick.....	134.76	12.15
			<i>For >9, Add</i>	16.85	
10 22 19 13-0004	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel.....	168.95	16.17
			<i>For >9, Add</i>	21.12	
10 22 19 13-0005	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric.....	243.94	17.38
			<i>For >9, Add</i>	30.49	
10 22 19 43			Demountable Composite Partitions <small>(10 22 19)</small>		
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad.....	275.06	20.30
			<i>For >9, Add</i>	34.38	
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad.....	344.32	22.12
			<i>For >9, Add</i>	43.04	
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	57.70	3.04
			<i>For Acoustical Partitions, Add</i>	5.17	
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick.....	72.28	5.10
			<i>For Acoustical Partitions, Add</i>	6.21	
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	61.55	3.16
			<i>For Acoustical Partitions, Add</i>	5.52	
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	88.01	4.37
			<i>For Acoustical Partitions, Add</i>	7.94	
10 22 19 53			Demountable Gypsum Partitions <small>(10 22 19)</small>		
10 22 19 53-0001			Demountable Gypsum Partitions <small>(10 22 19 53)</small>		
10 22 19 53-0002	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad.....	103.57	20.30
			<i>For >9, Add</i>	12.95	
10 22 19 53-0003	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad.....	171.95	22.12
			<i>For >9, Add</i>	21.49	
10 22 19 53-0004	LF		9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad.....	185.19	24.31
			<i>For >9, Add</i>	23.15	



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 22 19 53-0005	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad.....	223.31	20.30
			<i>For >9, Add 27.91</i>		
10 22 19 53-0006	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	371.90	22.12
			<i>For >9, Add 46.49</i>		

10 22 23 Portable Partitions, Screens, and Panels (10 22)

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 Movable Panel Systems (10 22 23)

10 22 23 23-0001 Portable Partitions (10 22 23 23)

10 22 23 23-0002	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	347.20	9.72
10 22 23 23-0003	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	370.05	10.82
10 22 23 23-0004	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	439.93	13.00
10 22 23 23-0005	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	256.06	5.59
10 22 23 23-0006	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	271.71	6.45
10 22 23 23-0007	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	305.36	7.78
10 22 23 23-0008	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	260.40	5.95
10 22 23 23-0009	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	463.20	10.82
10 22 23 23-0010	LF		Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	508.93	13.00
10 22 23 23-0011	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	270.03	7.42
10 22 23 23-0012	LF		Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	307.16	8.63
10 22 23 23-0013	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	247.56	6.45
10 22 23 23-0014	LF		Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	277.76	7.78
10 22 23 23-0015	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	411.45	10.82
10 22 23 23-0016	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	464.08	13.00
10 22 23 23-0017	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	418.35	10.82
10 22 23 23-0018	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	508.93	13.00
10 22 23 23-0019	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	323.46	6.45
10 22 23 23-0020	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	364.01	7.78
10 22 23 23-0021	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	341.47	5.95
10 22 23 23-0022	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	407.39	7.05
10 22 23 23-0023	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	197.58	7.42
10 22 23 23-0024	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	232.98	8.63
10 22 23 23-0025	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	210.48	7.78
10 22 23 23-0026	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	153.45	5.95
10 22 23 23-0027	LF		Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	250.16	7.78
10 22 23 23-0028	LF		Partitions, Portable, Metal Chalkboard, 2 Sides	285.31	8.14
10 22 23 23-0029	LF		Partitions, Portable, Tackboard, Both Sides	229.71	7.90

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) (10 22 23 23)

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	692.91	
10 22 23 23-0032	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	658.24	
10 22 23 23-0033	EA		2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	519.58	
10 22 23 23-0034	EA		2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	600.47	
10 22 23 23-0035	EA		4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,172.44	
10 22 23 23-0036	EA		7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	239.29	
10 22 23 23-0037	EA		6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	317.56	
10 22 23 23-0038	EA		12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	340.67	
10 22 23 23-0039	EA		7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	198.84	
10 22 23 23-0040	EA		4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,403.54	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0041	EA		7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	198.84	
10 22 23 23-0042	EA		3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,056.89	
			Note: Includes a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0043	EA		Closure Strips (Edge Guard 3003).....	14.85	
			Note: To seal panels to existing walls		
10 22 23 23-0044	EA		Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	324.14	

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF		15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	99.17	6.01
			<i>For <135, Add</i>	<i>19.83</i>	
10 22 33 00-0003	SF		20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	100.68	6.22
			<i>For <135, Add</i>	<i>20.14</i>	
10 22 33 00-0004	SF		31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	105.47	6.42
			<i>For <135, Add</i>	<i>21.09</i>	
10 22 33 00-0005	SF		35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	111.92	6.63
			<i>For <135, Add</i>	<i>22.38</i>	
10 22 33 00-0006	SF		39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	113.85	6.82
			<i>For <135, Add</i>	<i>22.77</i>	
10 22 33 00-0007	SF		40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	115.23	7.02
			<i>For <135, Add</i>	<i>23.05</i>	

10 Specialties

10 20 Interior Specialties

10 22 Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 33 00-0008	SF		41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	116.55	7.21
			<i>For <135, Add</i>	23.31	
10 22 33 00-0009	SF		44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	118.23	7.62
			<i>For <135, Add</i>	23.65	
10 22 33 00-0010	SF		47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	125.37	7.62
			<i>For <135, Add</i>	25.07	
10 22 33 00-0011	SF		50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	132.50	7.62
			<i>For <135, Add</i>	26.50	
10 22 43 Sliding Partitions (10 22)					
10 22 43 00-0001 Operable Wall (10 22 43)					
Note: Includes top support track, assembled panel and frames.					
10 22 43 00-0002	SF		Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	263.14	23.96
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-12.36	
			<i>For 49 STC, Add</i>	15.69	
			<i>For 52 STC, Add</i>	23.77	
10 22 43 00-0003	SF		>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	244.42	19.31
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-12.10	
			<i>For 49 STC, Add</i>	15.35	
			<i>For 52 STC, Add</i>	23.26	
10 22 43 00-0004	SF		>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	230.63	16.02
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-11.84	
			<i>For 49 STC, Add</i>	15.03	
			<i>For 52 STC, Add</i>	22.77	
10 22 43 00-0005	SF		Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	224.23	16.84
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-11.25	
			<i>For 49 STC, Add</i>	14.28	
			<i>For 52 STC, Add</i>	21.64	
10 22 43 00-0006	SF		>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	209.89	13.69
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-10.94	
			<i>For 49 STC, Add</i>	13.88	
			<i>For 52 STC, Add</i>	21.03	
10 22 43 00-0007	SF		>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	201.44	12.33
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-10.67	
			<i>For 49 STC, Add</i>	13.55	
			<i>For 52 STC, Add</i>	20.52	
10 22 43 00-0008	SF		Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	199.11	13.28
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-10.33	
			<i>For 49 STC, Add</i>	13.12	
			<i>For 52 STC, Add</i>	19.87	
10 22 43 00-0009	SF		>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	188.21	11.37
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-10.01	
			<i>For 49 STC, Add</i>	12.70	
			<i>For 52 STC, Add</i>	19.25	
10 22 43 00-0010	SF		>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	180.70	10.13
			Note: Includes pocket door, two ADA pass doors, track and hardware.		
			<i>For 43 STC, Deduct</i>	-9.75	
			<i>For 49 STC, Add</i>	12.38	
			<i>For 52 STC, Add</i>	18.75	
10 22 43 00-0011	SF		Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	199.39	16.02
			Note: Includes pocket door, track and hardware.		
			<i>For 44 STC, Deduct</i>	-9.79	
			<i>For 49 STC, Add</i>	12.43	
			<i>For 52 STC, Add</i>	18.83	
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	183.59	12.19
			Note: Includes pocket door, track and hardware.		
			<i>For 44 STC, Deduct</i>	-9.53	
			<i>For 49 STC, Add</i>	12.10	
			<i>For 52 STC, Add</i>	18.33	
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	174.47	10.27
			Note: Includes pocket door, track and hardware.		
			<i>For 44 STC, Deduct</i>	-9.31	
			<i>For 49 STC, Add</i>	11.82	
			<i>For 52 STC, Add</i>	17.91	



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 Wall and Door Protection (10 20)

10 26 13 Corner Guards (10 26)

10 26 13 00-0001	Vinyl Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0002	Rigid Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
10 26 13 00-0003	Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>		
10 26 13 00-0004	90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0005	LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	8.56	3.82
	<i>For >50 To 100, Deduct</i>	-1.59	
	<i>For >100 To 200, Deduct</i>	-2.23	
	<i>For >200, Deduct</i>	-2.98	
10 26 13 00-0006	LF 1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.09	3.82
	<i>For >50 To 100, Deduct</i>	-1.59	
	<i>For >100 To 200, Deduct</i>	-2.23	
	<i>For >200, Deduct</i>	-3.00	
10 26 13 00-0007	LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.04	3.82
	<i>For >50 To 100, Deduct</i>	-1.59	
	<i>For >100 To 200, Deduct</i>	-2.23	
	<i>For >200, Deduct</i>	-3.15	
10 26 13 00-0008	LF 4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	15.73	3.82
	<i>For >50 To 100, Deduct</i>	-1.59	
	<i>For >100 To 200, Deduct</i>	-2.23	
	<i>For >200, Deduct</i>	-3.33	
10 26 13 00-0009	135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0010	LF 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	15.06	3.82
	<i>For >50 To 100, Deduct</i>	-1.59	
	<i>For >100 To 200, Deduct</i>	-2.23	
	<i>For >200, Deduct</i>	-3.30	
10 26 13 00-0011	Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small>		
	Note: Includes closure caps.		
10 26 13 00-0012	Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013	90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014	LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	15.57	5.74
	<i>For >50 To 100, Deduct</i>	-2.39	
	<i>For >100 To 200, Deduct</i>	-3.35	
	<i>For >200, Deduct</i>	-4.60	
	<i>For Recycled Vinyl Retainer, Deduct</i>	-1.20	
10 26 13 00-0015	LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	17.21	5.74
	<i>For >50 To 100, Deduct</i>	-2.39	
	<i>For >100 To 200, Deduct</i>	-3.35	
	<i>For >200, Deduct</i>	-4.68	
	<i>For Recycled Vinyl Retainer, Deduct</i>	-1.53	
10 26 13 00-0016	LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	18.85	5.74
	<i>For >50 To 100, Deduct</i>	-2.39	
	<i>For >100 To 200, Deduct</i>	-3.35	
	<i>For >200, Deduct</i>	-4.77	
	<i>For Recycled Vinyl Retainer, Deduct</i>	-1.86	
10 26 13 00-0017	135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018	LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	21.92	5.74
	<i>For >50 To 100, Deduct</i>	-2.39	
	<i>For >100 To 200, Deduct</i>	-3.35	
	<i>For >200, Deduct</i>	-4.92	
	<i>For Recycled Vinyl Retainer, Deduct</i>	-2.47	
10 26 13 00-0019	End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
	Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	31.01	7.65
	<i>For >50 To 100, Deduct</i>	-3.19	
	<i>For >100 To 200, Deduct</i>	-4.47	
	<i>For >200, Deduct</i>	-6.65	
	<i>For Recycled Vinyl Retainer, Deduct</i>	-3.65	

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 13 00-0021	Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022	90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023	LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	20.29	5.74
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-4.84	
	For Up To 2 HR Fire Rated, Add	7.51	
10 26 13 00-0024	LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	24.18	5.74
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-5.03	
	For Up To 2 HR Fire Rated, Add	10.23	
10 26 13 00-0025	LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	22.51	5.74
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-4.95	
	For Up To 2 HR Fire Rated, Add	9.07	
10 26 13 00-0026	135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027	LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	25.84	5.74
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-5.12	
	For Up To 2 HR Fire Rated, Add	11.40	
10 26 13 00-0028	End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
	Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	53.12	7.65
	For >50 To 100, Deduct	-3.19	
	For >100 To 200, Deduct	-4.47	
	For >200, Deduct	-7.76	
	For Up To 2 HR Fire Rated, Add	28.25	
10 26 13 00-0030	Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
	Note: Includes adhesive for installation.		
10 26 13 00-0031	Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032	90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033	LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	11.43	3.82
	For >50 To 100, Deduct	-1.59	
	For >100 To 200, Deduct	-2.23	
	For >200, Deduct	-3.12	
	For Bolting To Concrete Or Masonry, Add	2.67	
10 26 13 00-0034	LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	14.36	3.82
	For >50 To 100, Deduct	-1.59	
	For >100 To 200, Deduct	-2.23	
	For >200, Deduct	-3.27	
	For Bolting To Concrete Or Masonry, Add	3.11	
10 26 13 00-0035	LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	16.73	3.82
	For >50 To 100, Deduct	-1.59	
	For >100 To 200, Deduct	-2.23	
	For >200, Deduct	-3.38	
	For Bolting To Concrete Or Masonry, Add	3.47	
10 26 13 00-0036	Polycarbonate Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0037	Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038	90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039	LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	7.90	3.82
	For >50 To 100, Deduct	-1.59	
	For >100 To 200, Deduct	-2.23	
	For >200, Deduct	-2.94	
10 26 13 00-0040	LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	9.33	3.82
	For >50 To 100, Deduct	-1.59	
	For >100 To 200, Deduct	-2.23	
	For >200, Deduct	-3.01	



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	11.00 -1.59 -2.23 -3.10	3.82
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.01 -1.59 -2.23 -3.15	3.82
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	11.64 -1.59 -2.23 -3.13	3.82
10 26 13 00-0044 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0045 LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.01 -1.59 -2.23 -3.15	3.82
10 26 13 00-0046 Aluminum Corner Guards (10 26 13)		
10 26 13 00-0047 Surface Mounted, Aluminum Corner Guards (10 26 13 00-0046)		
10 26 13 00-0048 90 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0049 LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	10.81 -1.59 -2.23 -3.09	3.82
10 26 13 00-0050 LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.74 -1.59 -2.23 -3.19	3.82
10 26 13 00-0051 LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	13.94 -1.59 -2.23 -3.25	3.82
10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0053 LF 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	10.81 -1.59 -2.23 -3.09	3.82
10 26 13 00-0054 LF 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	12.74 -1.59 -2.23 -3.19	3.82
10 26 13 00-0055 LF 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	13.94 -1.59 -2.23 -3.25	3.82
10 26 13 00-0056 Steel Corner Guards (10 26 13)		
10 26 13 00-0057 Steel Angle Iron, Corner Guards (10 26 13 00-0056)		
10 26 13 00-0058 Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0057)		
10 26 13 00-0059 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0058)		
10 26 13 00-0060 LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	13.92 2.19 -1.91 -2.68 -3.76	4.59
10 26 13 00-0061 LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	17.44 3.20 -2.07 -2.90 -4.19	4.97
10 26 13 00-0062 LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.51 3.47 -2.15 -3.01 -4.37	5.16
10 26 13 00-0063 LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.95 3.51 -2.23 -3.13 -4.52	5.36

10 Specialties
10 20 Interior Specialties
10 26 Wall and Door Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0064	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	23.26 4.90 -2.31 -3.24 -4.86	5.55
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	27.59 6.31 -2.39 -3.35 -5.20	5.74
10 26 13 00-0066	LF		6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	46.39 11.77 -3.19 -4.47 -7.42	7.65
10 26 13 00-0067			Stainless Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0068			Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069			Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070			90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF		1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	11.91 -1.59 -2.23 -3.14	3.82
10 26 13 00-0072	LF		2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	13.61 -1.59 -2.23 -3.23	3.82
10 26 13 00-0073	LF		3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.04 -1.59 -2.23 -3.45	3.82
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.04 -1.59 -2.23 -3.45	3.82
10 26 13 00-0075			135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.04 -1.59 -2.23 -3.45	3.82
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.04 -1.59 -2.23 -3.45	3.82
10 26 13 00-0078			Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	22.13 -1.91 -2.68 -4.17	4.59
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	35.74 -2.07 -2.90 -5.10	4.97
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	49.27 -2.15 -3.01 -5.91	5.16
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	46.21 -2.23 -3.13 -5.88	5.36
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	65.22 -2.31 -3.24 -6.96	5.55
10 26 13 00-0086	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	60.48 -2.39 -3.35 -6.85	5.74



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0087 Rubber Corner Guards <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26 13 00-0088 Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089 Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091 LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	50.21	3.82
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.23	
For >200, Deduct	-5.06	
For Bolting To Concrete Or Masonry, Add	8.49	
10 26 13 00-0092 Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0093)</small>		
10 26 13 00-0095 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	23.21	3.82
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.23	
For >200, Deduct	-3.71	
For Bolting To Concrete Or Masonry, Add	4.44	
10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0096)</small>		
10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.51	3.82
For >50 To 100, Deduct	-1.59	
For >100 To 200, Deduct	-2.23	
For >200, Deduct	-3.57	
For Bolting To Concrete Or Masonry, Add	4.03	
10 26 16 Bumper Guards <small>(10 26)</small>		
10 26 16 13 Bumper Rails <small>(10 26 16)</small>		
10 26 16 13-0001 Crash Rails <small>(10 26 16 13)</small> Note: Includes end caps.		
10 26 16 13-0002 Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003 LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	13.78	5.10
For >50 To 100, Deduct	-2.55	
For >100 To 200, Deduct	-3.57	
For >200, Deduct	-4.77	
10 26 16 13-0004 LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	15.05	5.10
For >50 To 100, Deduct	-2.55	
For >100 To 200, Deduct	-3.57	
For >200, Deduct	-4.84	
10 26 16 13-0005 Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006 LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	37.12	5.10
For >50 To 100, Deduct	-2.55	
For >100 To 200, Deduct	-3.57	
For >200, Deduct	-5.94	
10 26 16 13-0007 Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008 LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	64.02	5.10
For >50 To 100, Deduct	-2.55	
For >100 To 200, Deduct	-3.57	
For >200, Deduct	-7.29	
10 26 16 13-0009 LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	50.57	5.10
For >50 To 100, Deduct	-2.55	
For >100 To 200, Deduct	-3.57	
For >200, Deduct	-6.61	
10 26 16 13-0010 Wall Guards <small>(10 26 16 13)</small>		

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 16 13-0011	Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small>		
	Note: Includes end caps.		
10 26 16 13-0012	LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	13.98	4.47
	For >50 To 100, Deduct	-2.23	
	For >100 To 200, Deduct	-3.13	
	For >200, Deduct	-4.27	
10 26 16 13-0013	LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	16.92	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-4.93	
10 26 16 13-0014	LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	18.17	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-4.99	
10 26 16 13-0015	LF 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	18.85	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-5.03	
10 26 16 13-0016	LF 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	22.28	5.42
	For >50 To 100, Deduct	-2.71	
	For >100 To 200, Deduct	-3.79	
	For >200, Deduct	-5.45	
10 26 16 13-0017	LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	22.39	5.42
	For >50 To 100, Deduct	-2.71	
	For >100 To 200, Deduct	-3.79	
	For >200, Deduct	-5.46	
10 26 16 13-0018	LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	22.99	5.42
	For >50 To 100, Deduct	-2.71	
	For >100 To 200, Deduct	-3.79	
	For >200, Deduct	-5.49	
10 26 16 13-0019	LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	27.41	5.74
	For >50 To 100, Deduct	-2.87	
	For >100 To 200, Deduct	-4.02	
	For >200, Deduct	-5.96	

10 26 16 13-0020	Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021	D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	18.28	4.47
	For >50 To 100, Deduct	-2.23	
	For >100 To 200, Deduct	-3.13	
	For >200, Deduct	-4.49	
10 26 16 13-0023	LF 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	26.35	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-5.40	
10 26 16 13-0024	LF 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	37.99	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-5.98	
10 26 16 13-0025	LF 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	52.65	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-6.72	

10 26 16 13-0026	Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	40.64	5.42
	For >50 To 100, Deduct	-2.71	
	For >100 To 200, Deduct	-3.79	
	For >200, Deduct	-6.37	
10 26 16 13-0028	LF 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	50.90	5.74
	For >50 To 100, Deduct	-2.87	
	For >100 To 200, Deduct	-4.02	
	For >200, Deduct	-7.14	

10 26 16 13-0029	Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	65.37	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-7.35	
10 26 16 13-0031	LF 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	69.40	5.10
	For >50 To 100, Deduct	-2.55	
	For >100 To 200, Deduct	-3.57	
	For >200, Deduct	-7.55	
10 26 16 13-0032	LF 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	32.45	4.47
	For >50 To 100, Deduct	-2.23	
	For >100 To 200, Deduct	-3.13	
	For >200, Deduct	-5.19	

10 26 16 13-0033	U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
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Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0034	LF		3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	55.57	5.42
			<i>For >50 To 100, Deduct</i>	-2.71	
			<i>For >100 To 200, Deduct</i>	-3.79	
			<i>For >200, Deduct</i>	-7.11	
10 26 16 13-0035	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	61.96	5.42
			<i>For >50 To 100, Deduct</i>	-2.71	
			<i>For >100 To 200, Deduct</i>	-3.79	
			<i>For >200, Deduct</i>	-7.43	
10 26 16 13-0036			Accent Rails <small>(10 26 16 13)</small>		
			Note: Includes end caps.		
10 26 16 13-0037			Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF		1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	16.18	4.47
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100 To 200, Deduct</i>	-3.13	
			<i>For >200, Deduct</i>	-4.38	
10 26 16 13-0039	LF		2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	16.20	4.47
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100 To 200, Deduct</i>	-3.13	
			<i>For >200, Deduct</i>	-4.38	
10 26 16 13-0040	LF		2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	22.40	4.47
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100 To 200, Deduct</i>	-3.13	
			<i>For >200, Deduct</i>	-4.69	
10 26 16 16			Protective Corridor Handrails <small>(10 26 16)</small>		
10 26 16 16-0001			Protective Corridor Handrails <small>(10 26 16 16)</small>		
10 26 16 16-0002			Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN).....	32.20	9.56
			<i>For >50 To 100, Deduct</i>	-4.78	
			<i>For >100 To 200, Deduct</i>	-6.70	
			<i>For >200, Deduct</i>	-9.26	
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	28.47	9.56
			<i>For >25 To 50, Deduct</i>	-4.78	
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100, Deduct</i>	-9.08	
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	43.41	9.56
			<i>For >50 To 100, Deduct</i>	-4.78	
			<i>For >100 To 200, Deduct</i>	-6.70	
			<i>For >200, Deduct</i>	-9.82	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	35.94	9.56
			<i>For >25 To 50, Deduct</i>	-4.78	
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100, Deduct</i>	-9.45	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	45.28	9.56
			<i>For >50 To 100, Deduct</i>	-4.78	
			<i>For >100 To 200, Deduct</i>	-6.70	
			<i>For >200, Deduct</i>	-9.92	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	49.01	9.56
			<i>For >25 To 50, Deduct</i>	-4.78	
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100, Deduct</i>	-10.10	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	58.35	9.56
			<i>For >50 To 100, Deduct</i>	-4.78	
			<i>For >100 To 200, Deduct</i>	-6.70	
			<i>For >200, Deduct</i>	-10.57	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	63.96	9.56
			<i>For >25 To 50, Deduct</i>	-4.78	
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100, Deduct</i>	-10.85	
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS).....	77.03	9.56
			<i>For >50 To 100, Deduct</i>	-4.78	
			<i>For >100 To 200, Deduct</i>	-6.70	
			<i>For >200, Deduct</i>	-11.50	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	78.90	9.56
			<i>For >25 To 50, Deduct</i>	-4.78	
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100, Deduct</i>	-11.60	
10 26 16 16-0014			Hardwood Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
			Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C).....	33.34	7.86
			<i>For >50 To 100, Deduct</i>	-3.93	
			<i>For >100 To 200, Deduct</i>	-5.51	
			<i>For >200, Deduct</i>	-7.96	
			<i>For Maple, Add</i>	0.53	

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16	16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	39.41	8.39
			<i>For >50 To 100, Deduct</i>	-4.20	
			<i>For >100 To 200, Deduct</i>	-5.87	
			<i>For >200, Deduct</i>	-8.68	
10 26 16	16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	29.57	7.86
			<i>For >50 To 100, Deduct</i>	-3.93	
			<i>For >100 To 200, Deduct</i>	-5.51	
			<i>For >200, Deduct</i>	-7.77	
			<i>For Maple, Add</i>	5.95	
			<i>For Oak, Add</i>	6.64	

10 26 23 Protective Wall Covering (10 26)

10 26 23 13 Impact Resistant Wall Protection (10 26 23)

10 26 23 13-0001			Impact Resistant Wall Protection (10 26 23 13) Note: Includes standard trim.		
10 26 23 13-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	9.05	3.19
10 26 23 13-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	9.37	3.19
10 26 23 13-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	11.26	3.19

10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13)
Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0006			"L" Design (10 26 23 13-0005)		
10 26 23 13-0007			L-Shield (10 26 23 13-0006)		
10 26 23 13-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	17.36	3.19
10 26 23 13-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	20.18	4.47
10 26 23 13-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	26.48	5.74
10 26 23 13-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	36.27	7.02

10 26 23 13-0012			"Combo" Hanger (10 26 23 13-0006)		
10 26 23 13-0013	EA		Combination "Combo" Hanger, L-Support, For 3/4" Pipe	19.47	6.38
10 26 23 13-0014	EA		Combination "Combo" Hanger, L-Support, For 1" Pipe	22.54	7.66
10 26 23 13-0015	EA		Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	26.03	8.93
10 26 23 13-0016	EA		Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	28.98	10.21
10 26 23 13-0017	EA		Combination "Combo" Hanger, L-Support, For 2" Pipe	32.48	11.48

10 26 23 13-0018			Snap-2 Pipe Hanger (10 26 23 13-0006)		
10 26 23 13-0019	EA		Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	16.25	6.38
10 26 23 13-0020	EA		Snap-2 Pipe Hanger, L-Support, For 1" Pipe	19.73	7.66
10 26 23 13-0021	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	22.95	8.93
10 26 23 13-0022	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	26.71	10.21
10 26 23 13-0023	EA		Snap-2 Pipe Hanger, L-Support, For 2" Pipe	30.60	11.48

10 26 23 13-0024			Coupling (10 26 23 13-0006)		
10 26 23 13-0025	EA		Coupling, L-Shield, 1" Shield Size	10.53	3.19
10 26 23 13-0026	EA		Coupling, L-Shield, 1-1/4" Shield Size	15.23	4.47
10 26 23 13-0027	EA		Coupling, L-Shield, 2" Shield Size	21.79	5.74
10 26 23 13-0028	EA		Coupling, L-Shield, 2-1/2" Shield Size	27.30	7.02

10 26 23 13-0029			Coupling, Reducer (10 26 23 13-0006)		
10 26 23 13-0030	EA		Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	29.09	3.82
10 26 23 13-0031	EA		Coupling, Reducing, L-Shield, 2" x 1" Shield Size	35.72	4.47
10 26 23 13-0032	EA		Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	42.36	5.11
10 26 23 13-0033	EA		Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	163.86	6.38

10 26 23 13-0034			Shield Clips (10 26 23 13-0006)		
10 26 23 13-0035	EA		Shield Clips, L-Support, 1" Shield Size	6.36	1.92
10 26 23 13-0036	EA		Shield Clips, L-Support, 1-1/4" Shield Size	9.59	3.19
10 26 23 13-0037	EA		Shield Clips, L-Support, 2" Shield Size	12.68	4.47
10 26 23 13-0038	EA		Shield Clips, L-Support, 2-1/2" Shield Size	14.43	5.74

10 26 23 13-0039			Wall Flange (10 26 23 13-0006)		
10 26 23 13-0040	EA		Wall Flange, L-Shield, 1" Shield Size	10.26	3.19
10 26 23 13-0041	EA		Wall Flange, L-Shield, 1-1/4" Shield Size	14.69	4.47
10 26 23 13-0042	EA		Wall Flange, L-Shield, 2" Shield Size	21.26	5.74
10 26 23 13-0043	EA		Wall Flange, L-Shield, 2-1/2" Shield Size	85.91	7.02

10 26 23 13-0044 End Cap (10 26 23 13-0006)



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0045 EA End Cap, L-Shield, 1" Shield Size	10.38	1.92
10 26 23 13-0046 EA End Cap, L-Shield, 1-1/4" Shield Size	13.88	3.19
10 26 23 13-0047 EA End Cap, L-Shield, 2" Shield Size	19.24	4.47
10 26 23 13-0048 EA End Cap, L-Shield, 2-1/2" Shield Size	87.29	5.74
10 26 23 13-0049 Inside/Outside Corner <small>(10 26 23 13-0006)</small>		
10 26 23 13-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size.....	64.07	6.38
10 26 23 13-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	69.16	7.66
10 26 23 13-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size.....	83.57	9.57
10 26 23 13-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	145.53	11.48
10 26 23 13-0054 Joiner <small>(10 26 23 13-0006)</small>		
10 26 23 13-0055 LF Joiner, L-Shield.....	13.33	1.92
10 26 23 13-0056 "U" Design <small>(10 26 23 13-0005)</small>		
10 26 23 13-0057 U-Shield <small>(10 26 23 13-0056)</small>		
10 26 23 13-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	20.85	3.19
10 26 23 13-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	26.07	4.47
10 26 23 13-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	33.31	4.47
10 26 23 13-0061 "Combo" Hanger <small>(10 26 23 13-0056)</small>		
10 26 23 13-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	16.92	6.38
10 26 23 13-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe.....	20.13	7.66
10 26 23 13-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	23.22	8.93
10 26 23 13-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	28.58	10.21
10 26 23 13-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe.....	32.35	11.48
10 26 23 13-0067 Snap-2 Pipe Hanger <small>(10 26 23 13-0056)</small>		
10 26 23 13-0068 EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	15.98	6.38
10 26 23 13-0069 EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe	19.46	7.66
10 26 23 13-0070 EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	23.62	8.93
10 26 23 13-0071 EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	26.44	10.21
10 26 23 13-0072 EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe	30.47	11.48
10 26 23 13-0073 Coupling <small>(10 26 23 13-0056)</small>		
10 26 23 13-0074 EA Coupling, U-Shield, 1" Shield Size.....	12.41	3.19
10 26 23 13-0075 EA Coupling, U-Shield, 1-1/4" Shield Size.....	15.63	4.47
10 26 23 13-0076 EA Coupling, U-Shield, 2" Shield Size.....	19.11	5.74
10 26 23 13-0077 Coupling, Reducer <small>(10 26 23 13-0056)</small>		
10 26 23 13-0078 EA Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	34.45	3.82
10 26 23 13-0079 EA Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	41.08	4.47
10 26 23 13-0080 EA Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	43.70	5.11
10 26 23 13-0081 Shield Clips <small>(10 26 23 13-0056)</small>		
10 26 23 13-0082 EA Shield Clips, U-Support, 1" Shield Size	5.83	1.92
10 26 23 13-0083 EA Shield Clips, U-Support, 1-1/4" Shield Size	8.66	3.19
10 26 23 13-0084 EA Shield Clips, U-Support, 2" Shield Size	11.47	4.47
10 26 23 13-0085 Wall Flange <small>(10 26 23 13-0056)</small>		
10 26 23 13-0086 EA Wall Flange, U-Shield, 1" Shield Size	12.01	3.19
10 26 23 13-0087 EA Wall Flange, U-Shield, 1-1/4" Shield Size.....	15.49	4.47
10 26 23 13-0088 EA Wall Flange, U-Shield, 2" Shield Size.....	18.98	5.74
10 26 23 13-0089 End Cap <small>(10 26 23 13-0056)</small>		
10 26 23 13-0090 EA End Cap, U-Shield, 1" Shield Size.....	11.05	1.92
10 26 23 13-0091 EA End Cap, U-Shield, 1-1/4" Shield Size.....	14.95	3.19
10 26 23 13-0092 EA End Cap, U-Shield, 2" Shield Size.....	18.71	4.47
10 26 23 13-0093 Inside/Outside Corner <small>(10 26 23 13-0056)</small>		
10 26 23 13-0094 EA Inside/Outside Corner, U-Shield, 1" Shield Size	80.28	6.38
10 26 23 13-0095 EA Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	89.38	7.66
10 26 23 13-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size	105.80	9.57
10 26 23 13-0097 Elbow <small>(10 26 23 13-0056)</small>		
10 26 23 13-0098 EA Elbow, U-Shield, 1" Shield Size	78.80	6.38

10 Specialties

10 20 Interior Specialties

10 26 Wall and Door Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23	13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	86.70	7.66
10 26 23	13-0100	EA	Elbow, U-Shield, 2" Shield Size	103.26	9.57
10 26 23	13-0101		Tee <small>(10 26 23 13-0056)</small>		
10 26 23	13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	99.91	9.57
10 26 23	13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	111.24	11.48
10 26 23	13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	130.00	14.04
10 26 23	13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	131.53	10.85
10 26 23	13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	142.13	13.40
10 26 23	13-0107		Cross <small>(10 26 23 13-0056)</small>		
10 26 23	13-0108	EA	Cross, U-Shield, 1" Shield Size	180.23	12.77
10 26 23	13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	202.08	15.31
10 26 23	13-0110	EA	Cross, U-Shield, 2" Shield Size	245.64	19.14
10 26 23	13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	246.67	14.04
10 26 23	13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	271.53	17.23
10 26 23	13-0113		Transition Fittings (L to U Or U to L) <small>(10 26 23 13-0005)</small>		
10 26 23	13-0114		Coupling Transition <small>(10 26 23 13-0113)</small>		
10 26 23	13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	30.76	3.19
10 26 23	13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	34.92	4.47
10 26 23	13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	43.49	5.74
10 26 23	13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	34.85	3.82
10 26 23	13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	43.43	5.11
10 26 23	13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	171.49	6.38
10 26 23	13-0121		Elbow Transition <small>(10 26 23 13-0113)</small>		
10 26 23	13-0122	EA	Transition Elbow, 1" x 1" (UxL)	105.73	6.38
10 26 23	13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	114.70	7.66
10 26 23	13-0124	EA	Transition Elbow, 2" x 2" (UxL)	134.60	9.57
10 26 23	13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	164.06	7.02
10 26 23	13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	116.37	7.02
10 26 23	13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	173.50	8.93
10 26 23	13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	134.79	8.93
10 26 23	13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	208.47	10.21
10 26 23	13-0130		Tee Transition <small>(10 26 23 13-0113)</small>		
10 26 23	13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	121.47	9.57
10 26 23	13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	140.57	11.48
10 26 23	13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	163.62	14.04
10 26 23	13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	128.45	10.85
10 26 23	13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	201.06	12.12
10 26 23	13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	143.33	13.40
10 26 23	13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	195.31	15.95
10 26 23	13-0138		Fittings (L Or U) <small>(10 26 23 13-0005)</small>		
10 26 23	13-0139		Hugger Hangers For Steel Pipe <small>(10 26 23 13-0138)</small>		
10 26 23	13-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	13.02	5.11
10 26 23	13-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	16.25	6.38
10 26 23	13-0142	EA	Hugger Hanger, For 1" Steel Pipe	19.06	7.66
10 26 23	13-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	22.01	8.93
10 26 23	13-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	24.83	10.21
10 26 23	13-0145	EA	Hugger Hanger, For 2" Steel Pipe	27.93	10.21
10 26 23	13-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	30.74	12.77
10 26 23	13-0147	EA	Hugger Hanger, For 3" Steel Pipe	38.25	14.04
10 26 23	13-0148		Hugger Hangers For Copper Pipe <small>(10 26 23 13-0138)</small>		
10 26 23	13-0149	EA	1/2" Copper Pipe, Hugger Hanger	13.16	5.11
10 26 23	13-0150	EA	3/4" Copper Pipe, Hugger Hanger	16.39	6.38
10 26 23	13-0151	EA	1" Copper Pipe, Hugger Hanger	19.19	7.66
10 26 23	13-0152	EA	1-1/4" Copper Pipe, Hugger Hanger	22.15	8.93
10 26 23	13-0153	EA	1-1/2" Copper Pipe, Hugger Hanger	24.96	10.21
10 26 23	13-0154	EA	2" Copper Pipe, Hugger Hanger	28.19	11.48
10 26 23	13-0155	EA	2-1/2" Copper Pipe, Hugger Hanger	31.01	12.77
10 26 23	13-0156	EA	3" Copper Pipe, Hugger Hanger	38.65	14.04
10 26 23	13-0157		Shield Extension (L Or U) <small>(10 26 23 13-0138)</small>		
10 26 23	13-0158	LF	Shield Extension	16.14	1.92



Specialties	10	10
Interior Specialties	10 20	
Wall and Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0159	Interior Steel Soffit System <small>(10 26 23 13)</small>		
	Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	30.94	5.74
	For 22 Gauge Steel, Add	1.95	
	For 20 Gauge Steel, Add	4.16	
	For 18 Gauge Steel, Add	8.17	
	For 16 Gauge Steel, Add	12.55	
	For Stainless Steel, Add	4.87	
10 26 23 13-0161	EA U-Shield Wall Flange (JG Innovations Soffi-Steel)	49.64	15.95
	For Stainless Steel, Add	4.44	
10 26 23 13-0162	EA U-Shield Corner (JG Innovations Soffi-Steel)	122.32	19.14
	For Stainless Steel, Add	20.69	
10 26 23 13-0163	EA U-Shield End Cap (JG Innovations Soffi-Steel)	38.06	9.57
	For Stainless Steel, Add	4.73	
10 26 23 13-0164	EA U-Shield Clip (JG Innovations Soffi-Steel)	8.42	3.82
	For Stainless Steel, Add	0.19	
10 26 23 13-0165	SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	35.09	5.74
	For 22 Gauge Steel, Add	1.77	
	For 20 Gauge Steel, Add	3.78	
	For 18 Gauge Steel, Add	7.32	
	For 16 Gauge Steel, Add	12.28	
	For Stainless Steel, Add	5.90	
10 26 23 13-0166	EA L-Shield Wall Flange (JG Innovations Soffi-Steel)	49.64	15.95
	For Stainless Steel, Add	4.44	
10 26 23 13-0167	EA L-Shield Corner (JG Innovations Soffi-Steel)	122.32	19.14
	For Stainless Steel, Add	20.69	
10 26 23 13-0168	EA L-Shield End Cap (JG Innovations Soffi-Steel)	32.96	7.02
	For Stainless Steel, Add	4.73	
10 26 23 13-0169	EA L-Shield Clip (JG Innovations Soffi-Steel)	8.42	3.82
	For Stainless Steel, Add	0.19	

10 26 41 Bullet Resistant Panels (10 26)

10 26 41 00-0001	Laminated Bullet Resistant Fiberglass Panel <small>(10 26 41)</small>		
	Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	22.63	1.80
10 26 41 00-0003	SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	30.81	1.92
10 26 41 00-0004	SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	34.81	2.06
10 26 41 00-0005	SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	37.04	2.19
10 26 41 00-0006	SF 3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	40.10	2.31
10 26 41 00-0007	SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	43.14	2.44
10 26 41 00-0008	SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	72.78	2.95
10 26 41 00-0009	SF 1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	104.49	4.62
10 26 41 00-0010	SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	124.13	5.52
10 26 41 00-0011	SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	150.00	6.03
10 26 41 00-0012	SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	170.49	6.42

10 28 Toilet, Bath, and Laundry Accessories (10 28)

10 28 13 Toilet Accessories (10 28)

10 28 13 13 Commercial Toilet Accessories (10 28 13)

10 28 13 13-0001 Toilet Accessories (10 28 13 13)

10 28 13 13-0002 Dispensers (10 28 13 13-0001)

10 28 13 13-0003 Paper Towel Dispensers (10 28 13 13-0002)

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)

10 28 13 13-0005	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	117.89	28.69
10 28 13 13-0006	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	125.52	28.69
10 28 13 13-0007	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	126.65	28.69
10 28 13 13-0008	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	128.84	28.69
10 28 13 13-0009	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	189.13	28.69
10 28 13 13-0010	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	205.00	28.69
10 28 13 13-0011	EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	222.05	28.69
10 28 13 13-0012	EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	226.00	12.76
10 28 13 13-0013	EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	381.69	28.69
10 28 13 13-0014	EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	447.81	28.69
10 28 13 13-0015	EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	483.19	28.69
10 28 13 13-0016	EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	279.49	28.69
10 28 13 13-0017	EA Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	158.05	15.95

10 28 13 13-0018 Plastic Paper Towel Dispensers (10 28 13 13-0003)

10 28 13 13-0019	EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	91.88	28.69
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10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0020	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	179.52	28.69
10 28 13 13-0021	EA		Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	178.34	28.69
10 28 13 13-0022	EA		Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	153.14	28.69
10 28 13 13-0023			Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0024	EA		Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	99.52	28.69
10 28 13 13-0025			Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0026			Plastic Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0027	EA		Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	91.60	28.69
10 28 13 13-0028	EA		Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	124.31	28.69
10 28 13 13-0029	EA		Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	80.52	28.69
10 28 13 13-0030	EA		Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	93.53	28.69
10 28 13 13-0031			Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0032	EA		Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	83.69	28.69
10 28 13 13-0033	EA		Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	84.25	28.69
10 28 13 13-0034	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	88.21	28.69
10 28 13 13-0035	EA		Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	95.56	28.69
10 28 13 13-0036	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	122.69	28.69
10 28 13 13-0037			Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0038	EA		Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	72.66	28.69
10 28 13 13-0039	EA		Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540).....	189.43	28.69
10 28 13 13-0040	EA		Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543).....	114.36	28.69
10 28 13 13-0041	EA		Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	109.41	28.69
10 28 13 13-0042	EA		Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	118.03	28.69
10 28 13 13-0043	EA		Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686).....	152.26	31.88
10 28 13 13-0044	EA		Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	118.03	28.69
10 28 13 13-0045	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867).....	152.26	28.69
10 28 13 13-0046	EA		Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	163.26	28.69
10 28 13 13-0047	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	249.58	28.69
10 28 13 13-0048	EA		Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	249.58	28.69
10 28 13 13-0049	EA		Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	109.59	28.69
10 28 13 13-0050	EA		Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	126.93	28.69
10 28 13 13-0051	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	83.11	28.69
10 28 13 13-0052	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	135.70	28.69
10 28 13 13-0053	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	189.45	28.69
10 28 13 13-0054	EA		Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	195.92	28.69
10 28 13 13-0055	EA		Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	247.70	28.69
10 28 13 13-0056	EA		Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	227.79	28.69
10 28 13 13-0057	EA		Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)	351.60	28.69
			Note: Mounts centered through toilet partitions.		
10 28 13 13-0058	EA		Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840).....	154.93	28.69
10 28 13 13-0059	EA		Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	143.87	28.69
10 28 13 13-0060	EA		Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	117.64	28.69
10 28 13 13-0061			Soap or Sanitizer Dispensers (10 28 13 13-0002)		
10 28 13 13-0062	EA		20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	108.00	28.69
			For 34 Fluid Ounce (B-822), Add	5.12	
10 28 13 13-0063	EA		20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	116.48	28.69
			For 34 Fluid Ounce (B-822), Add	5.12	
10 28 13 13-0064	EA		24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	75.77	28.69
10 28 13 13-0065	EA		24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	81.70	28.69
10 28 13 13-0066	EA		40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	98.80	28.69
10 28 13 13-0067	EA		40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	101.25	28.69
10 28 13 13-0068	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	109.69	28.69
10 28 13 13-0069	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	136.55	28.69
10 28 13 13-0070	EA		45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	228.75	28.69
10 28 13 13-0071	EA		50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	359.07	28.69
10 28 13 13-0072	EA		800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	226.29	28.69
			Note: Includes start-up kit.		



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0073 Sanitizer Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0074 Manual Sanitizer Dispensers <small>(10 28 13 13-0073)</small>		
10 28 13 13-0075 EA 1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	88.04	28.69
10 28 13 13-0076 EA 1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00).....	89.25	28.69
10 28 13 13-0077 EA 1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	88.87	28.69
10 28 13 13-0078 Automatic Sanitizer Dispensers <small>(10 28 13 13-0073)</small>		
10 28 13 13-0079 EA 1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	82.88	28.69
10 28 13 13-0080 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6).....	105.49	28.69
10 28 13 13-0081 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	99.85	28.69
10 28 13 13-0082 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	106.76	28.69
10 28 13 13-0083 EA 1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058).....	121.73	28.69
10 28 13 13-0084 EA 2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	122.44	28.69
10 28 13 13-0085 Automatic Floor Stand Sanitizer Dispensers <small>(10 28 13 13-0073)</small>		
10 28 13 13-0086 EA 1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	575.64	9.56
10 28 13 13-0087 EA 1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV).....	618.93	9.56
10 28 13 13-0088 EA 1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02).....	643.13	9.56
10 28 13 13-0089 Facial Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0090 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	123.27	28.69
10 28 13 13-0091 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	91.00	28.69
10 28 13 13-0092 Sanitary Toilet Seat Cover Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0093 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	74.63	28.69
10 28 13 13-0094 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	96.97	28.69
10 28 13 13-0095 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	167.37	28.69
10 28 13 13-0096 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	177.02	28.69
10 28 13 13-0097 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	340.70	28.69
10 28 13 13-0098 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0099 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	536.71	28.69
10 28 13 13-0100 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	331.01	28.69
10 28 13 13-0101 Sanitary Napkin/Tampon Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0102 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	660.98	28.69
10 28 13 13-0103 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	504.35	28.69
10 28 13 13-0104 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	669.60	28.69
10 28 13 13-0105 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25).....	510.04	28.69
10 28 13 13-0106 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2.4).....	449.47	28.69
10 28 13 13-0107 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	572.47	28.69
10 28 13 13-0108 Toilet Compartment Combination Dispenser/Disposals <small>(10 28 13 13-0002)</small>		
10 28 13 13-0109 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	477.07	63.77
10 28 13 13-0110 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	530.96	63.77
10 28 13 13-0111 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	442.82	63.77
10 28 13 13-0112 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	617.48	63.77
10 28 13 13-0113 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	634.15	63.77
10 28 13 13-0114 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	727.17	63.77
10 28 13 13-0115 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	682.68	63.77
10 28 13 13-0116 Receptacles <small>(10 28 13 13-0001)</small>		
10 28 13 13-0117 Wall Mounted Waste Receptacles <small>(10 28 13 13-0116)</small>		
10 28 13 13-0118 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3).....	109.66	28.69
10 28 13 13-0119 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279).....	177.54	28.69
10 28 13 13-0120 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644).....	409.69	63.77
10 28 13 13-0121 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644).....	600.80	63.77
10 28 13 13-0122 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	478.95	63.77

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0123		Floor-Standing/Counter Waste Receptacles (10 28 13 13-0116)		
10 28 13	13-0124	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	128.21	28.69
10 28 13	13-0125	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	180.65	28.69
10 28 13	13-0126	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	334.58	12.76
10 28 13	13-0127	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250).....	504.78	12.76
10 28 13	13-0128	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	473.06	12.76
10 28 13	13-0129	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	455.02	12.76
10 28 13	13-0130		Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0116)		
10 28 13	13-0131	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369).....	341.84	63.77
10 28 13	13-0132	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369).....	540.58	63.77
10 28 13	13-0133	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944).....	532.67	63.77
10 28 13	13-0134	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900).....	767.46	63.77
10 28 13	13-0135	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909).....	1,050.93	63.77
10 28 13	13-0136	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961).....	890.58	63.77
10 28 13	13-0137	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949).....	689.88	63.77
10 28 13	13-0138	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619).....	1,108.26	63.77
10 28 13	13-0139	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944).....	1,027.44	70.15
10 28 13	13-0140	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947).....	696.10	70.15
10 28 13	13-0141		Sanitary Napkin/Tampon Receptacles (10 28 13 13-0116)		
10 28 13	13-0142	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270).....	102.50	31.88
10 28 13	13-0143	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254).....	195.75	31.88
10 28 13	13-0144	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353).....	212.19	31.88
10 28 13	13-0145	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303).....	484.16	31.88
10 28 13	13-0146	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354).....	260.81	31.88
10 28 13	13-0147	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	450.52	31.88
10 28 13	13-0148		Grab Bars (10 28 13 13-0001)		
10 28 13	13-0149		1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0148)		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0150	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12).....	99.59	25.51
			For Peened Grip, Add	4.95	
10 28 13	13-0151	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18).....	113.64	25.51
			For Peened Grip, Add	6.21	
10 28 13	13-0152	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24).....	115.05	25.51
			For Peened Grip, Add	6.34	
10 28 13	13-0153	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	115.71	25.51
			For Peened Grip, Add	6.40	
10 28 13	13-0154	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	115.89	25.51
			For Peened Grip, Add	6.41	
10 28 13	13-0155	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	119.29	25.51
			For Peened Grip, Add	6.72	
10 28 13	13-0156	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	124.65	25.51
			For Peened Grip, Add	7.20	
10 28 13	13-0157		1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0148)		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0158	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	187.58	25.51
			For Peened Grip, Add	12.29	
10 28 13	13-0159	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	191.24	25.51
			For Peened Grip, Add	12.62	
10 28 13	13-0160		1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0148)		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0161	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	112.46	25.51
			For Peened Grip, Add	6.10	
10 28 13	13-0162	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	113.64	25.51
			For Peened Grip, Add	6.21	
10 28 13	13-0163	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	115.89	25.51
			For Peened Grip, Add	6.41	
10 28 13	13-0164	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	118.16	25.51
			For Peened Grip, Add	6.62	
10 28 13	13-0165	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	120.98	25.51
			For Peened Grip, Add	6.87	



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0166	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	123.53	25.51
			<i>For Peened Grip, Add</i>	7.10	
10 28 13	13-0167	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	129.75	25.51
			<i>For Peened Grip, Add</i>	7.66	
10 28 13	13-0168		1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars <small>(10 28 13 13-0148)</small>		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0169	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	172.30	25.51
			<i>For Peened Grip, Add</i>	10.92	
10 28 13	13-0170	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	184.47	25.51
			<i>For Peened Grip, Add</i>	12.01	
10 28 13	13-0171	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	161.56	25.51
			<i>For Peened Grip, Add</i>	9.95	
10 28 13	13-0172		1-1/4" Diameter, Stainless Steel Swing Up Grab Bars <small>(10 28 13 13-0148)</small>		
			Note: Includes satin finish and mounting for swing up.		
10 28 13	13-0173	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	486.81	25.51
			<i>For Peened Grip, Add</i>	39.80	
10 28 13	13-0174		Shelves <small>(10 28 13 13-0001)</small>		
10 28 13	13-0175	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	130.04	28.69
10 28 13	13-0176	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	133.44	28.69
10 28 13	13-0177	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	148.99	28.69
10 28 13	13-0178	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	152.90	28.69
10 28 13	13-0179	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	146.74	28.69
10 28 13	13-0180	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	148.58	28.69
10 28 13	13-0181	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	157.75	28.69
10 28 13	13-0182	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	171.03	28.69
10 28 13	13-0183	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	199.11	28.69
10 28 13	13-0184	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	158.03	28.69
10 28 13	13-0185	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683).....	160.86	28.69
10 28 13	13-0186	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	224.38	28.69
10 28 13	13-0187	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	238.97	28.69
10 28 13	13-0188	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	261.49	28.69
10 28 13	13-0189	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	322.76	28.69
10 28 13	13-0190	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	434.37	28.69
10 28 13	13-0191	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	195.00	28.69
10 28 13	13-0192		Changing Stations <small>(10 28 13 13-0001)</small>		
10 28 13	13-0193	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	472.18	38.26
10 28 13	13-0194	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	499.48	38.26
10 28 13	13-0195	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	414.95	38.26
10 28 13	13-0196	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,960.81	38.26
10 28 13	13-0197	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	2,280.18	38.26
10 28 13	13-0198	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,960.81	38.26
10 28 13	13-0199	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	2,280.18	38.26
10 28 13	13-0200		Folding Shower Seats <small>(10 28 13 13-0001)</small>		
10 28 13	13-0201	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	596.43	51.01
10 28 13	13-0202	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	774.54	51.01
10 28 13	13-0203	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	2,537.67	51.01
10 28 13	13-0204	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	3,763.94	
10 28 13	13-0205		Soap/Dish Holders <small>(10 28 13 13-0001)</small>		
10 28 13	13-0206	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	69.63	28.69
10 28 13	13-0207	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	71.60	28.69
10 28 13	13-0208	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	122.45	28.69
10 28 13	13-0209	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	132.35	28.69
10 28 13	13-0210		Shower Curtains/Curtain Rods <small>(10 28 13 13-0001)</small>		
10 28 13	13-0211	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	3.43	1.27
10 28 13	13-0212	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2).....	54.07	12.76
			Note: Requires 7 curtain hooks.		
10 28 13	13-0213	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3).....	56.48	12.76
			Note: Requires 12 curtain hooks.		
10 28 13	13-0214	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	97.25	28.69
10 28 13	13-0215	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	103.48	28.69
10 28 13	13-0216	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	111.11	28.69
10 28 13	13-0217	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	120.44	28.69
10 28 13	13-0218	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	86.51	28.69
10 28 13	13-0219	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	93.86	28.69
10 28 13	13-0220	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60).....	98.10	28.69

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, and Laundry Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0221	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	103.48	28.69
10 28 13 13-0222	EA		36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	89.62	28.69
10 28 13 13-0223	EA		48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	95.84	28.69
10 28 13 13-0224	EA		60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	103.18	28.69
10 28 13 13-0225	EA		72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	108.28	28.69
10 28 13 13-0226 Hand Dryers (10 28 13 13-0001)					
10 28 13 13-0227	EA		Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	537.05	30.68
10 28 13 13-0228	EA		Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	578.59	30.68
10 28 13 13-0229	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	641.36	30.68
10 28 13 13-0230	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	909.31	30.68
10 28 13 13-0231	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	680.09	30.68
10 28 13 13-0232	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	755.79	30.68
10 28 13 13-0233	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,813.69	30.68
10 28 13 13-0234	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,931.40	30.68
10 28 13 13-0235	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	3,056.96	30.68
10 28 13 13-0236	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	856.24	30.68
10 28 13 13-0237	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,749.62	30.68
10 28 13 13-0238	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	2,948.28	30.68
10 28 13 13-0239	EA		Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)	1,292.91	30.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0240	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	1,365.42	30.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0241	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)	1,406.86	30.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0242	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)	1,448.30	30.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0243	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)	1,531.17	30.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0244	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)	1,044.29	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0245	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	1,116.81	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0246	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG)	1,158.24	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0247	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	1,199.68	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0248	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	1,282.55	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0249	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	1,044.29	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0250	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	1,116.81	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0251	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	1,158.24	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0252	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	1,199.68	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0253	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	1,282.55	30.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0254	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	754.24	30.68
10 28 13 13-0255	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	826.76	30.68
10 28 13 13-0256	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	868.19	30.68
10 28 13 13-0257	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	909.63	30.68
10 28 13 13-0258	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	992.50	30.68
10 28 13 13-0259	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	754.24	30.68
10 28 13 13-0260	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	826.76	30.68
10 28 13 13-0261	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	868.19	30.68
10 28 13 13-0262	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	909.63	30.68



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0263	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	992.50	30.68
10 28 13	13-0264	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	547.06	30.68
10 28 13	13-0265	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	619.58	30.68
10 28 13	13-0266	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	702.45	30.68
10 28 13 13-0267 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)					
Note: With or without noise reduction nozzle options.					
10 28 13	13-0268	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W).....	1,073.24	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0269	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,512.80	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0270	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR).....	1,259.89	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0271	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	1,576.02	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0272	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	1,354.73	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0273	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH).....	1,670.86	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0274	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	1,354.73	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0275	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,670.86	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0276	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	1,259.89	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0277	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH).....	1,576.02	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0278	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	1,133.44	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0279	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,449.57	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	1,073.24	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0281	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO).....	1,512.80	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	1,259.89	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0283	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	1,576.02	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO).....	1,354.73	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0285	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,670.86	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO).....	1,354.73	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0287	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,670.86	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO).....	1,259.89	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0289	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	1,576.02	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO).....	1,133.44	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13	13-0291	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	1,449.57	30.68
For ADA-Compliant Recess Kit, Add				172.03	
10 28 13 13-0292 Additional Accessories (10 28 13 13-0001)					

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, and Laundry Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0293 Hooks <small>(10 28 13 13-0292)</small>		
10 28 13 13-0294 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	34.84	12.76
10 28 13 13-0295 EA Single Stainless Steel Robe Hook (Bobrick B-233).....	41.06	12.76
10 28 13 13-0296 EA Single Stainless Steel Robe Hook (Bobrick B-7671).....	35.40	12.76
10 28 13 13-0297 EA Double Stainless Steel Robe Hook (Bobrick B-7672).....	38.18	12.76
10 28 13 13-0298 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	61.41	12.76
10 28 13 13-0299 EA Single Stainless Steel Robe Hook (Bobrick B-6717).....	55.75	12.76
10 28 13 13-0300 Clotheslines <small>(10 28 13 13-0292)</small>		
10 28 13 13-0301 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	60.90	25.51
10 28 13 13-0302 Towel Bars <small>(10 28 13 13-0292)</small>		
10 28 13 13-0303 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	75.33	28.69
10 28 13 13-0304 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	75.55	28.69
10 28 13 13-0305 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	83.84	28.69
10 28 13 13-0306 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	84.63	28.69
10 28 13 13-0307 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	121.00	28.69
10 28 13 13-0308 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	125.80	28.69
10 28 13 13-0309 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	124.68	28.69
10 28 13 13-0310 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	128.63	28.69
10 28 13 13-0311 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	135.71	28.69
10 28 13 13-0312 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	139.91	28.69
10 28 13 13-0313 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	104.89	28.69
10 28 13 13-0314 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	108.56	28.69
10 28 13 13-0315 Towel Bar With Shelf <small>(10 28 13 13-0292)</small>		
10 28 13 13-0316 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	228.43	28.69
10 28 13 13-0317 Towel Pins <small>(10 28 13 13-0292)</small>		
10 28 13 13-0318 EA Stainless Steel Towel Pin (Bobrick B-677).....	59.44	12.76
10 28 13 13-0319 Mirrors <small>(10 28 13 13)</small>		
10 28 13 13-0320 Stainless Steel Channel Frame Glass Mirrors <small>(10 28 13 13-0319)</small>		
10 28 13 13-0321 EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24).....	133.03	31.88
10 28 13 13-0322 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	150.88	31.88
10 28 13 13-0323 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	157.06	31.88
<i>For Tempered Glass (B-1658), Add</i>	51.91	
10 28 13 13-0324 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	169.73	31.88
<i>For Tempered Glass (B-1658), Add</i>	60.78	
10 28 13 13-0325 EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	185.99	31.88
10 28 13 13-0326 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	192.83	31.88
<i>For Tempered Glass (B-1658), Add</i>	76.95	
10 28 13 13-0327 EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	237.70	31.88
10 28 13 13-0328 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	274.46	31.88
10 28 13 13-0329 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36).....	330.63	31.88
10 28 13 13-0330 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	415.93	31.88
10 28 13 13-0331 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36).....	467.76	31.88
10 28 13 13-0332 Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0319)</small>		
10 28 13 13-0333 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	246.16	31.88
10 28 13 13-0334 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	265.35	31.88
10 28 13 13-0335 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	278.04	31.88
10 28 13 13-0336 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	313.81	31.88
10 28 13 13-0337 Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0319)</small>		
10 28 13 13-0338 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	219.13	31.88
10 28 13 13-0339 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	240.31	31.88
<i>For Tempered Glass (B-2908), Add</i>	103.89	
10 28 13 13-0340 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	247.46	31.88
<i>For Tempered Glass (B-2908), Add</i>	108.61	
10 28 13 13-0341 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	289.74	31.88
10 28 13 13-0342 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	291.37	31.88
<i>For Tempered Glass (B-2908), Add</i>	137.59	
10 28 13 13-0343 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	389.26	31.88
10 28 13 13-0344 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	457.55	31.88
10 28 13 13-0345 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	521.31	31.88
10 28 13 13-0346 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	347.70	31.88
10 28 13 13-0347 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	423.70	31.88



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0348 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	648.50	31.88
10 28 13 13-0349 Stainless Steel Angle Frame Glass Mirror/Shelf Combination (10 28 13 13-0319)		
10 28 13 13-0350 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	226.54	31.88
10 28 13 13-0351 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	446.17	31.88
10 28 13 13-0352 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	467.65	31.88
10 28 13 13-0353 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	521.31	31.88
10 28 13 13-0354 Frameless Stainless Steel Mirrors (10 28 13 13-0319)		
10 28 13 13-0355 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	245.51	31.88
10 28 13 13-0356 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	317.37	31.88
10 28 13 13-0357 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0319)		
10 28 13 13-0358 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	333.65	31.88
10 28 13 13-0359 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	347.64	31.88
10 28 13 13-0360 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	420.81	31.88
10 28 13 13-0361 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	517.40	31.88
10 28 13 13-0362 Medicine Cabinets (10 28 13 13)		
10 28 13 13-0363 Metal Medicine Cabinets (10 28 13 13-0362)		
10 28 13 13-0364 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	999.17	63.77
10 28 13 13-0365 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)	270.46	63.77
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0366 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	278.51	63.77
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0367 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	585.25	63.77
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0368 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	795.87	63.77
Note: Includes four adjustable shelves.		
10 28 13 13-0369 Janitorial Material (10 28 13 13)		
10 28 13 13-0370 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	55.75	12.76
10 28 13 13-0371 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	143.90	28.69
10 28 13 13-0372 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	138.82	28.69
10 28 13 13-0373 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	156.72	28.69
10 28 13 13-0374 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	174.43	28.69
10 28 13 13-0375 EA 36" Length, Utility Hook Strip (Gamco HCS-2)	118.94	28.69
10 28 13 13-0376 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	317.48	28.69
10 28 13 13-0377 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	454.04	28.69
10 28 13 13-0378 Removal And Reinstallation Of Bathroom Accessories (10 28 13 13)		
10 28 13 13-0379 EA Removal And Reinstallation Of Bathroom Accessory	39.86	
10 28 13 19 Healthcare Toilet Accessories (10 28 13)		
10 28 13 19-0001 Healthcare Toilet Accessories (10 28 13 19)		
10 28 13 19-0002 EA Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	203.11	39.92
10 28 13 19-0003 EA Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	726.99	39.92
10 28 13 19-0004 EA Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	260.76	106.24
10 28 13 63 Detention Toilet Accessories (10 28 13)		
10 28 13 63-0001 Ligature Resistant, Stainless Steel Grab Bar (10 28 13 63)		
10 28 13 63-0002 EA 18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	207.46	25.51
10 28 13 63-0003 EA 24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	216.52	25.51
10 28 13 63-0004 EA 36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	222.54	25.51
10 28 13 63-0005 EA 42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	245.64	25.51
10 28 13 63-0006 EA 60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	492.09	25.51
10 28 16 Bath Accessories (10 28)		
10 28 16 13 Residential Bath Accessories (10 28 16)		
10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 28 16 13-0002		Residential, Recessed, Chrome Plated Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	149.82	28.69
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	227.02	28.69
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	242.71	28.69
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	156.47	28.69
10 28 16 13-0007		Residential, Surface Mounted, Chrome Plated Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	100.96	19.13
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	118.46	19.13
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	118.46	19.13
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	254.89	19.13
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	210.86	19.13
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	129.41	25.51
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	131.37	25.51
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	96.64	19.13
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	88.21	12.76
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	100.96	19.13
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	218.28	19.13
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	124.50	19.13
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	132.43	12.76
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	424.67	19.13
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	202.27	19.13
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	91.76	19.13
10 28 16 13-0024		Residential Medicine Cabinets, Solid Oak <small>(10 28 16 13-0001)</small>		
		Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	402.99	63.77
10 28 16 13-0026	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	509.70	63.77
10 28 16 13-0027	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	424.49	63.77
10 28 16 13-0028	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	539.03	63.77
10 28 16 13-0029	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	438.05	63.77
10 28 16 13-0030	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	564.80	63.77
10 28 16 13-0031	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	456.67	63.77
10 28 16 13-0032	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	596.29	63.77
10 28 16 13-0033		Residential Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0034	EA	Surface Mounted Plastic Paper Towel Dispenser	129.60	28.69
10 28 16 13-0035	EA	Surface Mounted Plastic Napkin Disposal	113.66	28.69
10 28 16 13-0036	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	119.29	
10 28 16 13-0037	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	136.17	28.69
10 28 16 13-0038	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	129.65	28.69
10 28 16 13-0039	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	158.87	35.08
10 28 16 13-0040	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	86.69	25.51
10 28 16 13-0041	EA	13 Gallon Plastic Waste Door For Countertops	311.35	47.83
10 28 19 Tub and Shower Enclosures <small>(10 28)</small>				
10 28 19 16 Shower Doors <small>(10 28 19)</small>				
10 28 19 16-0001		Swinging Shower Doors <small>(10 28 19 16)</small>		
10 28 19 16-0002		Framed, Swinging Shower Doors <small>(10 28 19 16-0001)</small>		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	566.44	61.82
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	595.44	30.92
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	715.76	30.92
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	592.35	30.92
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	633.44	30.92
10 28 19 16-0008		Frameless, Swinging Shower Doors <small>(10 28 19 16-0001)</small>		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	875.92	30.92
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	916.13	30.92
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	953.98	30.92
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	994.19	30.92
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,033.23	30.92



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, and Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0014 Sliding Shower Doors <small>(10 28 19 16)</small>		
10 28 19 16-0015 Framed, Sliding Shower Doors <small>(10 28 19 16-0014)</small>		
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	954.81	30.92
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	873.42	30.92
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	895.34	30.92
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	918.65	30.92
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	931.66	30.92
10 28 19 16-0021 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	950.91	30.92
10 28 19 16-0022 Frameless, Sliding Shower Doors <small>(10 28 19 16-0014)</small>		
10 28 19 16-0023 EA 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	990.44	30.92
10 28 19 16-0024 EA 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,211.83	30.92
10 28 19 16-0025 EA 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,286.35	30.92
10 28 19 16-0026 EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,159.94	30.92
10 28 19 16-0027 EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,176.26	30.92
10 28 19 16-0028 EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,327.90	30.92
10 28 19 19 Tub Doors <small>(10 28 19)</small>		
10 28 19 19-0001 Sliding Bathtub Doors <small>(10 28 19 19)</small>		
10 28 19 19-0002 Framed, Sliding Bathtub Doors <small>(10 28 19 19-0001)</small>		
10 28 19 19-0003 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	848.95	30.92
10 28 19 19-0004 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	858.33	30.92
10 28 19 19-0005 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	879.54	30.92
10 40 Safety Specialties <small>(10)</small>		
10 41 Emergency Access And Information Cabinets <small>(10 40)</small>		
10 41 13 Fire Department Plan Cabinets <small>(10 41)</small>		
10 41 13 00-0001 Fire Department Plan Cabinets (Knox) <small>(10 41 13)</small>		
10 41 13 00-0002 EA 18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,714.93	41.45
<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
<i>For Dual Locks, Add</i>	60.00	
<i>For Back Key Hook Panel, Add</i>	59.74	
<i>For Swing Key Hook Panel, Add</i>	158.74	
<i>For Non-Locking Weather Housing, Add</i>	399.23	
10 41 13 00-0003 EA 18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,818.23	41.45
<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
<i>For Dual Locks, Add</i>	60.00	
<i>For Back Key Hook Panel, Add</i>	59.74	
<i>For Swing Key Hook Panel, Add</i>	158.74	
<i>For Second Swing Key Hook Panel, Add</i>	125.74	
<i>For Non-Locking Weather Housing, Add</i>	399.23	
10 41 16 Emergency Key Cabinets <small>(10 41)</small>		
10 41 16 00-0001 Emergency Key Cabinets (Knox) <small>(10 41 16)</small>		
10 41 16 00-0002 EA Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	857.51	41.45
<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003 EA 5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	754.21	41.45
<i>For Lift-Off Door, Deduct</i>	-40.00	
<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
<i>For Recess Mount, Add</i>	63.71	
<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	

10	10	Specialties
	10 40	Safety Specialties
	10 41	Emergency Access And Information Cabinets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41	16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,007.30	41.45
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	63.71	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41	16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,071.87	41.45
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	63.71	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10 44 Fire Protection Specialties (10 40)

10 44 13 Fire Protection Cabinets (10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	432.17	52.29
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	440.10	52.29
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	441.68	52.29
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	490.84	52.29
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	619.29	52.29
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	636.74	52.29

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	410.89	52.29
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	417.01	52.29
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	427.21	52.29
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	444.55	52.29
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	498.12	52.29
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	514.44	52.29

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	566.45	52.29
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	580.22	52.29
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	587.11	52.29
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	634.16	52.29
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	728.90	52.29
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	757.59	52.29

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,614.96	52.29
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,626.86	52.29
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,869.52	52.29

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	535.25	52.29
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	595.51	52.29

10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	474.98	52.29
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	490.84	52.29
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	492.43	52.29
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	546.35	52.29
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	654.18	52.29
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	671.62	52.29

10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	456.30	52.29
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	471.60	52.29
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	480.78	52.29
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	498.12	52.29
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	558.30	52.29
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	572.59	52.29
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	626.77	52.29
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	642.84	52.29
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	649.72	52.29
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	685.30	52.29
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	773.66	52.29
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	793.17	52.29
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	2,038.73	52.29
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	2,048.71	52.29
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	2,350.12	52.29
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	592.33	52.29
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	649.42	52.29
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	462.30	52.29
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	471.81	52.29
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	547.93	52.29
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	641.49	52.29
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	666.87	52.29
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	553.20	52.29
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	566.47	52.29
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	596.05	52.29
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	654.19	52.29
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	678.68	52.29
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	726.61	52.29
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	748.41	52.29
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	802.35	52.29
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	906.78	52.29
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	938.91	52.29
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	2,340.71	52.29
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	2,639.81	52.29
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	557.45	52.29
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	627.22	52.29
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	871.43	52.29
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small>		

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism.....	44.06	15.95
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets.....	39.80	15.95
10 44 13 00-0089 EA Replacement Of Standard Pull Handle.....	37.20	
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	118.55	31.88
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	231.09	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	254.20	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	346.64	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	473.73	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	554.62	
10 44 13 00-0096 EA Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	134.03	
10 44 13 00-0097 EA Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	138.65	
10 44 13 00-0098 EA Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	184.87	
10 44 13 00-0099 EA Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	335.08	
10 44 13 00-0100 EA Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	339.70	
10 44 13 00-0101 EA Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	133.07	
10 44 13 00-0102 EA Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	139.73	
10 44 13 00-0103 EA Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	188.52	
10 44 13 00-0104 EA Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	332.68	
10 44 13 00-0105 EA Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	337.12	
10 44 13 00-0106 Fire Hose Cabinets (10 44 13)		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107 Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	650.50	143.04
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	662.79	143.04
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	673.03	143.04
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	683.28	143.04
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	695.56	143.04
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	728.31	143.04
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	738.56	143.04
For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	707.25	143.04
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	727.05	143.04
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	729.62	143.04
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	737.85	143.04
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	748.65	143.04
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	779.24	143.04
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	809.84	143.04
For Solid Aluminum Door, Add	6.50	
10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)		
Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	942.15	143.04
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,044.59	143.04
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,054.45	143.04
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,085.97	143.04
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,095.82	143.04
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,147.04	143.04
For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,198.27	143.04
For Solid Stainless Steel Door, Deduct	-7.70	



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 13 00-0132 Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)

10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	683.28	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0135	EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	695.56	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0136	EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	705.78	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0137	EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	718.07	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0138	EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	728.31	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0139	EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	761.06	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0140	EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet.....	773.34	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	

10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	727.05	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0143	EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	748.65	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0144	EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	751.73	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0145	EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	757.65	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0146	EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	768.44	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0147	EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	799.04	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0148	EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet.....	829.64	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	

10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)

Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0150	EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,003.22	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0151	EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,115.52	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0152	EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,125.37	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0153	EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,156.89	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0154	EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,166.74	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0155	EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,217.97	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0156	EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,269.19	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets (10 44 13 00-0106)

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	695.56	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0160	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	705.78	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0161	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	718.07	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0162	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	728.31	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0163	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	738.56	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0164	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	773.34	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0165	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	783.59	143.04
	<i>For Solid Steel Door, Deduct</i>	-8.60	

10	10 Specialties
	10 40 Safety Specialties
	10 44 Fire Protection Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 13 00-0166	Aluminum Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
	<small>Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.</small>		
10 44 13 00-0167	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	779.24	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0168	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	799.04	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0169	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	804.18	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0170	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	809.84	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0171	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	818.84	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0172	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	851.24	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0173	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	871.04	143.04
	<i>For Solid Aluminum Door, Add</i>	6.50	

10 44 13 00-0174	Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
	<small>Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.</small>		
10 44 13 00-0175	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,085.97	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,413.02	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,495.76	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,515.46	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,535.17	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,617.91	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,720.36	143.04
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	

10 44 16 Fire Extinguishers (10 44)

10 44 16 13	Portable Fire Extinguishers <small>(10 44 16)</small>		
	<small>Note: Includes filling, certification, bracket, hardware and mounting on wall.</small>		
10 44 16 13-0001	Carbon Dioxide Type, Class BC Portable Fire Extinguisher <small>(10 44 16 13)</small>		
10 44 16 13-0002	EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	197.64	16.58
	<i>For >5 To 10, Deduct</i>	-5.63	
	<i>For >10, Deduct</i>	-11.26	
	<i>For Placement In Cabinet, Deduct</i>	-42.51	
10 44 16 13-0003	EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	284.22	19.13
	<i>For >5 To 10, Deduct</i>	-9.31	
	<i>For >10, Deduct</i>	-18.61	
	<i>For Placement In Cabinet, Deduct</i>	-49.05	
10 44 16 13-0004	EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	369.70	24.24
	<i>For >5 To 10, Deduct</i>	-12.11	
	<i>For >10, Deduct</i>	-24.22	
	<i>For Placement In Cabinet, Deduct</i>	-63.77	
10 44 16 13-0005	EA 15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	455.60	30.61
	<i>For >5 To 10, Deduct</i>	-14.81	
	<i>For >10, Deduct</i>	-29.62	
	<i>For Placement In Cabinet, Deduct</i>	-79.71	
10 44 16 13-0006	EA 20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	503.98	30.61
	<i>For >5 To 10, Deduct</i>	-17.23	
	<i>For >10, Deduct</i>	-34.46	
	<i>For Placement In Cabinet, Deduct</i>	-79.71	
10 44 16 13-0007	EA 50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,574.82	48.46
	<i>For >5 To 10, Deduct</i>	-65.99	
	<i>For >10, Deduct</i>	-131.97	
10 44 16 13-0008	EA 100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,045.81	48.46
	<i>For >5 To 10, Deduct</i>	-139.54	
	<i>For >10, Deduct</i>	-279.07	
10 44 16 13-0009	Dry Chemical Type, Class ABC Portable Fire Extinguisher <small>(10 44 16 13)</small>		
10 44 16 13-0010	EA 2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	127.96	16.58
	<i>For >5 To 10, Deduct</i>	-2.15	
	<i>For >10, Deduct</i>	-4.29	
	<i>For Placement In Cabinet, Deduct</i>	-42.51	
10 44 16 13-0011	EA 5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	159.00	19.13
	<i>For >5 To 10, Deduct</i>	-3.05	
	<i>For >10, Deduct</i>	-6.09	
	<i>For Placement In Cabinet, Deduct</i>	-49.05	



Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	224.50	24.24
			<i>For >5 To 10, Deduct</i>	-4.85	
			<i>For >10, Deduct</i>	-9.70	
			<i>For Placement In Cabinet, Deduct</i>	-63.77	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	312.01	30.61
			<i>For >5 To 10, Deduct</i>	-7.63	
			<i>For >10, Deduct</i>	-15.26	
			<i>For Placement In Cabinet, Deduct</i>	-79.71	
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,879.10	48.46
			<i>For >5 To 10, Deduct</i>	-81.20	
			<i>For >10, Deduct</i>	-162.40	
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,768.54	48.46
			<i>For >5 To 10, Deduct</i>	-125.67	
			<i>For >10, Deduct</i>	-251.35	
10 44 16 13-0016			Other Portable Fire Extinguishers <small>(10 44 16 13)</small>		
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	223.01	19.13
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-6.25	
			<i>For >10, Deduct</i>	-12.49	
			<i>For Placement In Cabinet, Deduct</i>	-49.05	
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	339.69	30.61
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-9.01	
			<i>For >10, Deduct</i>	-18.03	
			<i>For Placement In Cabinet, Deduct</i>	-79.71	
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	359.33	30.61
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-10.00	
			<i>For >10, Deduct</i>	-19.99	
			<i>For Placement In Cabinet, Deduct</i>	-79.71	
10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher.....	494.99	30.61
			Note: Yellow steel.		
			<i>For >5 To 10, Deduct</i>	-16.78	
			<i>For >10, Deduct</i>	-33.56	
10 44 16 13-0021			Fire Extinguisher Backboards <small>(10 44 16 13)</small>		
10 44 16 13-0022			Fire Extinguisher Backboards <small>(10 44 16 13-0021)</small>		
			Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	135.91	21.83
10 44 16 13-0024	EA		Relocate Fire Extinguisher Wood Backboard, Any Size	192.65	
			Note: Includes storage and cleaning.		
10 44 16 13-0025			Inspections And Testing <small>(10 44 16 13)</small>		
10 44 16 13-0026	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	9.00	
10 44 16 13-0027	EA		On Site Fire Extinguisher Hydrotest.....	13.24	
10 44 19			Fire Blankets <small>(10 44)</small>		
10 44 19 00-0001	EA		Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	556.03	52.29
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA		Drop Type Fire Blanket Cabinet (JL Industries 2FB)	405.38	52.29
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 50 Storage Specialties <small>(10)</small>					
10 51 Lockers <small>(10 50)</small>					
10 51 13 Metal Lockers <small>(10 51)</small>					
10 51 13 00-0001			Institutional And Corridor Lockers <small>(10 51 13)</small>		
			Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002			Single Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	274.71	39.54
			<i>For >25 To 50, Deduct</i>	-9.78	
			<i>For >50 To 100, Deduct</i>	-20.75	
			<i>For >100, Deduct</i>	-31.72	
			<i>For 14 Gauge Doors, Add</i>	15.65	
10 51 13 00-0004	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	285.08	39.54
			<i>For >25 To 50, Deduct</i>	-10.30	
			<i>For >50 To 100, Deduct</i>	-21.79	
			<i>For >100, Deduct</i>	-33.27	
			<i>For 14 Gauge Doors, Add</i>	16.48	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0005	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	299.25	39.54
			<i>For >25 To 50, Deduct</i>	-11.01	
			<i>For >50 To 100, Deduct</i>	-23.20	
			<i>For >100, Deduct</i>	-35.40	
			<i>For 14 Gauge Doors, Add</i>	17.61	
10 51 13 00-0006	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	298.78	40.82
			<i>For >25 To 50, Deduct</i>	-10.86	
			<i>For >50 To 100, Deduct</i>	-22.94	
			<i>For >100, Deduct</i>	-35.02	
			<i>For 14 Gauge Doors, Add</i>	17.37	
10 51 13 00-0007	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	307.37	40.82
			<i>For >25 To 50, Deduct</i>	-11.29	
			<i>For >50 To 100, Deduct</i>	-23.80	
			<i>For >100, Deduct</i>	-36.31	
			<i>For 14 Gauge Doors, Add</i>	18.06	
10 51 13 00-0008	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	315.75	40.82
			<i>For >25 To 50, Deduct</i>	-11.71	
			<i>For >50 To 100, Deduct</i>	-24.64	
			<i>For >100, Deduct</i>	-37.57	
			<i>For 14 Gauge Doors, Add</i>	18.73	
10 51 13 00-0009	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	330.21	40.82
			<i>For >25 To 50, Deduct</i>	-12.43	
			<i>For >50 To 100, Deduct</i>	-26.08	
			<i>For >100, Deduct</i>	-39.74	
			<i>For 14 Gauge Doors, Add</i>	19.89	
10 51 13 00-0010	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	344.52	40.82
			<i>For >25 To 50, Deduct</i>	-13.15	
			<i>For >50 To 100, Deduct</i>	-27.51	
			<i>For >100, Deduct</i>	-41.88	
			<i>For 14 Gauge Doors, Add</i>	21.03	
10 51 13 00-0011	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	359.68	40.82
			<i>For >25 To 50, Deduct</i>	-13.90	
			<i>For >50 To 100, Deduct</i>	-29.03	
			<i>For >100, Deduct</i>	-44.16	
			<i>For 14 Gauge Doors, Add</i>	22.24	
10 51 13 00-0012	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	373.68	40.82
			<i>For >25 To 50, Deduct</i>	-14.60	
			<i>For >50 To 100, Deduct</i>	-30.43	
			<i>For >100, Deduct</i>	-46.26	
			<i>For 14 Gauge Doors, Add</i>	23.36	
10 51 13 00-0013	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	501.58	40.82
			<i>For >25 To 50, Deduct</i>	-21.00	
			<i>For >50 To 100, Deduct</i>	-43.22	
			<i>For >100, Deduct</i>	-65.44	
			<i>For 14 Gauge Doors, Add</i>	33.60	
10 51 13 00-0014			Two Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	322.97	40.82
			<i>For >25 To 50, Deduct</i>	-12.07	
			<i>For >50 To 100, Deduct</i>	-25.36	
			<i>For >100, Deduct</i>	-38.65	
			<i>For 14 Gauge Doors, Add</i>	26.55	
10 51 13 00-0016	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	329.50	40.82
			<i>For >25 To 50, Deduct</i>	-12.39	
			<i>For >50 To 100, Deduct</i>	-26.01	
			<i>For >100, Deduct</i>	-39.63	
			<i>For 14 Gauge Doors, Add</i>	27.27	
10 51 13 00-0017	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	336.08	40.82
			<i>For >25 To 50, Deduct</i>	-12.72	
			<i>For >50 To 100, Deduct</i>	-26.67	
			<i>For >100, Deduct</i>	-40.62	
			<i>For 14 Gauge Doors, Add</i>	27.99	
10 51 13 00-0018	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	337.52	42.09
			<i>For >25 To 50, Deduct</i>	-12.67	
			<i>For >50 To 100, Deduct</i>	-26.60	
			<i>For >100, Deduct</i>	-40.53	
			<i>For 14 Gauge Doors, Add</i>	27.87	
10 51 13 00-0019	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	351.79	42.09
			<i>For >25 To 50, Deduct</i>	-13.38	
			<i>For >50 To 100, Deduct</i>	-28.02	
			<i>For >100, Deduct</i>	-42.67	
			<i>For 14 Gauge Doors, Add</i>	29.44	
10 51 13 00-0020	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	360.41	42.09
			<i>For >25 To 50, Deduct</i>	-13.81	
			<i>For >50 To 100, Deduct</i>	-28.89	
			<i>For >100, Deduct</i>	-43.96	
			<i>For 14 Gauge Doors, Add</i>	30.39	
10 51 13 00-0021	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	372.77	42.09
			<i>For >25 To 50, Deduct</i>	-14.43	
			<i>For >50 To 100, Deduct</i>	-30.12	
			<i>For >100, Deduct</i>	-45.81	
			<i>For 14 Gauge Doors, Add</i>	31.74	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0022 EA 15" x 18" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	385.17 -15.05 -31.36 -47.67 33.11	42.09
10 51 13 00-0023 EA 18" x 18" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	441.31 -17.86 -36.98 -56.09 39.28	42.09
10 51 13 00-0024 EA 18" x 21" x 72" Two Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	451.51 -18.37 -38.00 -57.62 40.41	42.09
10 51 13 00-0025 Three Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small> Note: Includes one double hook per tier.		
10 51 13 00-0026 EA 12" x 12" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	377.97 -14.56 -30.42 -46.29 43.69	43.36
10 51 13 00-0027 EA 12" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	384.68 -14.90 -31.10 -47.29 44.69	43.36
10 51 13 00-0028 EA 12" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	408.51 -16.09 -33.48 -50.87 48.27	43.36
10 51 13 00-0029 EA 15" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	431.33 -17.23 -35.76 -54.29 51.69	43.36
10 51 13 00-0030 EA 15" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	449.50 -18.14 -37.58 -57.02 54.42	43.36
10 51 13 00-0031 Four Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51 13 00-0032 EA 12" x 12" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	371.56 -14.11 -29.57 -45.02	44.64
10 51 13 00-0033 EA 12" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	383.26 -14.70 -30.74 -46.78	44.64
10 51 13 00-0034 EA 12" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	402.08 -15.64 -32.62 -49.60	44.64
10 51 13 00-0035 EA 15" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	417.15 -16.39 -34.13 -51.86	44.64
10 51 13 00-0036 EA 15" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	438.84 -17.48 -36.30 -55.11	44.64
10 51 13 00-0037 Six Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51 13 00-0038 EA 12" x 12" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	403.55 -15.59 -32.55 -49.51	45.91
10 51 13 00-0039 EA 12" x 15" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	412.57 -16.04 -33.45 -50.87	45.91
10 51 13 00-0040 EA 12" x 18" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	429.61 -16.89 -35.16 -53.42	45.91
10 51 13 00-0041 Locker And Coat Rack Combination <small>(10 51 13 00-0001)</small>		

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination.....		732.07	30.61
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination		1,174.49	63.77
10 51 13 00-0044		All-Welded Steel Lockers <small>(10 51 13)</small>			
10 51 13 00-0045		All-Welded Steel Lockers <small>(10 51 13 00-0044)</small>			
		Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.			
10 51 13 00-0046		Single Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>			
		Note: Includes one hat shelf, two single hooks and one double hook.			
10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker		177.01	22.32
		For>25 To 50, Deduct		-7.26	
		For>50 To 100, Deduct		-14.99	
		For>100, Deduct		-22.73	
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker		185.57	22.32
		For>25 To 50, Deduct		-7.68	
		For>50 To 100, Deduct		-15.85	
		For>100, Deduct		-24.01	
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker		193.82	22.32
		For>25 To 50, Deduct		-8.10	
		For>50 To 100, Deduct		-16.67	
		For>100, Deduct		-25.25	
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker		184.08	22.32
		For>25 To 50, Deduct		-7.61	
		For>50 To 100, Deduct		-15.70	
		For>100, Deduct		-23.79	
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker		192.33	22.32
		For>25 To 50, Deduct		-8.02	
		For>50 To 100, Deduct		-16.52	
		For>100, Deduct		-25.02	
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker		200.57	22.32
		For>25 To 50, Deduct		-8.43	
		For>50 To 100, Deduct		-17.35	
		For>100, Deduct		-26.26	
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker		194.91	24.55
		For>25 To 50, Deduct		-7.99	
		For>50 To 100, Deduct		-16.51	
		For>100, Deduct		-25.03	
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker		202.54	24.55
		For>25 To 50, Deduct		-8.37	
		For>50 To 100, Deduct		-17.27	
		For>100, Deduct		-26.17	
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker		210.79	24.55
		For>25 To 50, Deduct		-8.79	
		For>50 To 100, Deduct		-18.10	
		For>100, Deduct		-27.41	
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker		218.50	24.55
		For>25 To 50, Deduct		-9.17	
		For>50 To 100, Deduct		-18.87	
		For>100, Deduct		-28.57	
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker		224.86	24.55
		For>25 To 50, Deduct		-9.49	
		For>50 To 100, Deduct		-19.50	
		For>100, Deduct		-29.52	
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker		233.62	24.55
		For>25 To 50, Deduct		-9.93	
		For>50 To 100, Deduct		-20.38	
		For>100, Deduct		-30.83	
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker		243.48	24.55
		For>25 To 50, Deduct		-10.42	
		For>50 To 100, Deduct		-21.37	
		For>100, Deduct		-32.31	
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker		392.00	24.55
		For>25 To 50, Deduct		-17.85	
		For>50 To 100, Deduct		-36.22	
		For>100, Deduct		-54.59	
10 51 13 00-0061		Two Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>			
		Note: Includes two single hooks and one double hook per tier.			
10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker		210.82	22.32
		For>25 To 50, Deduct		-8.95	
		For>50 To 100, Deduct		-18.37	
		For>100, Deduct		-27.80	
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker		214.60	22.32
		For>25 To 50, Deduct		-9.14	
		For>50 To 100, Deduct		-18.75	
		For>100, Deduct		-28.36	
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker		224.76	22.32
		For>25 To 50, Deduct		-9.64	
		For>50 To 100, Deduct		-19.77	
		For>100, Deduct		-29.89	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0065 EA 12" x 12" x 72" Two Tier, All-Welded Steel Locker	220.33	24.55
For >25 To 50, Deduct	-9.26	
For >50 To 100, Deduct	-19.05	
For >100, Deduct	-28.84	
10 51 13 00-0066 EA 12" x 15" x 72" Two Tier, All-Welded Steel Locker	234.34	24.55
For >25 To 50, Deduct	-9.96	
For >50 To 100, Deduct	-20.45	
For >100, Deduct	-30.94	
10 51 13 00-0067 EA 12" x 18" x 72" Two Tier, All-Welded Steel Locker	241.97	24.55
For >25 To 50, Deduct	-10.34	
For >50 To 100, Deduct	-21.22	
For >100, Deduct	-32.09	
10 51 13 00-0068 EA 15" x 15" x 72" Two Tier, All-Welded Steel Locker	252.85	24.55
For >25 To 50, Deduct	-10.89	
For >50 To 100, Deduct	-22.30	
For >100, Deduct	-33.72	
10 51 13 00-0069 EA 15" x 18" x 72" Two Tier, All-Welded Steel Locker	257.97	24.55
For >25 To 50, Deduct	-11.14	
For >50 To 100, Deduct	-22.82	
For >100, Deduct	-34.49	
10 51 13 00-0070 EA 18" x 18" x 72" Two Tier, All-Welded Steel Locker	272.73	24.55
For >25 To 50, Deduct	-11.88	
For >50 To 100, Deduct	-24.29	
For >100, Deduct	-36.70	
10 51 13 00-0071 EA 18" x 21" x 72" Two Tier, All-Welded Steel Locker	284.16	24.55
For >25 To 50, Deduct	-12.45	
For >50 To 100, Deduct	-25.43	
For >100, Deduct	-38.41	
10 51 13 00-0072 Three Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0073 EA 12" x 12" x 72" Three Tier, All-Welded Steel Locker	259.78	24.55
For >25 To 50, Deduct	-11.24	
For >50 To 100, Deduct	-23.00	
For >100, Deduct	-34.76	
10 51 13 00-0074 EA 12" x 15" x 72" Three Tier, All-Welded Steel Locker	265.52	24.55
For >25 To 50, Deduct	-11.52	
For >50 To 100, Deduct	-23.57	
For >100, Deduct	-35.62	
10 51 13 00-0075 EA 12" x 18" x 72" Three Tier, All-Welded Steel Locker	271.21	24.55
For >25 To 50, Deduct	-11.81	
For >50 To 100, Deduct	-24.14	
For >100, Deduct	-36.47	
10 51 13 00-0076 EA 15" x 15" x 72" Three Tier, All-Welded Steel Locker	284.70	24.55
For >25 To 50, Deduct	-12.48	
For >50 To 100, Deduct	-25.49	
For >100, Deduct	-38.50	
10 51 13 00-0077 EA 15" x 18" x 72" Three Tier, All-Welded Steel Locker	287.20	24.55
For >25 To 50, Deduct	-12.61	
For >50 To 100, Deduct	-25.74	
For >100, Deduct	-38.87	
10 51 13 00-0078 Four Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0079 EA 12" x 12" x 72" Four Tier, All-Welded Steel Locker	246.17	24.55
For >25 To 50, Deduct	-10.55	
For >50 To 100, Deduct	-21.64	
For >100, Deduct	-32.72	
10 51 13 00-0080 EA 12" x 15" x 72" Four Tier, All-Welded Steel Locker	251.59	24.55
For >25 To 50, Deduct	-10.83	
For >50 To 100, Deduct	-22.18	
For >100, Deduct	-33.53	
10 51 13 00-0081 EA 12" x 18" x 72" Four Tier, All-Welded Steel Locker	256.97	24.55
For >25 To 50, Deduct	-11.09	
For >50 To 100, Deduct	-22.72	
For >100, Deduct	-34.34	
10 51 13 00-0082 EA 15" x 15" x 72" Four Tier, All-Welded Steel Locker	269.66	24.55
For >25 To 50, Deduct	-11.73	
For >50 To 100, Deduct	-23.98	
For >100, Deduct	-36.24	
10 51 13 00-0083 EA 15" x 18" x 72" Four Tier, All-Welded Steel Locker	271.97	24.55
For >25 To 50, Deduct	-11.84	
For >50 To 100, Deduct	-24.22	
For >100, Deduct	-36.59	
10 51 13 00-0084 Six Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0085 EA 12" x 12" x 72" Six Tier, All-Welded Steel Locker	254.60	24.55
For >25 To 50, Deduct	-10.98	
For >50 To 100, Deduct	-22.48	
For >100, Deduct	-33.98	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0086	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker	262.51	24.55
			<i>For >25 To 50, Deduct</i>	-11.37	
			<i>For >50 To 100, Deduct</i>	-23.27	
			<i>For >100, Deduct</i>	-35.17	
10 51 13 00-0087	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker	268.32	24.55
			<i>For >25 To 50, Deduct</i>	-11.66	
			<i>For >50 To 100, Deduct</i>	-23.85	
			<i>For >100, Deduct</i>	-36.04	
10 51 13 00-0088			All Welded Locker Accessories <small>(10 51 13 00-0044)</small>		
10 51 13 00-0089	EA		ADA Requirements For All Welded Lockers	128.00	
10 51 13 00-0090	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers	207.70	5.10
10 51 13 00-0091	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers	240.62	5.10
10 51 13 00-0092	EA		Recessed Trim For All Welded Lockers	146.75	5.10
10 51 13 00-0093	EA		Built In Combination Lock For All Welded Lockers	44.93	5.10
10 51 13 00-0094	EA		Pad Lock For All Welded Lockers	40.69	5.10
10 51 13 00-0095			Athletic Lockers <small>(10 51 13)</small>		
			Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096			Single Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA		12" x 15" x 60" Single Tier Athletic Locker	407.21	40.82
			<i>For >25 To 50, Deduct</i>	-16.28	
			<i>For >50 To 100, Deduct</i>	-33.78	
			<i>For >100, Deduct</i>	-51.29	
10 51 13 00-0098	EA		12" x 18" x 60" Single Tier Athletic Locker	420.96	40.82
			<i>For >25 To 50, Deduct</i>	-16.97	
			<i>For >50 To 100, Deduct</i>	-35.16	
			<i>For >100, Deduct</i>	-53.35	
10 51 13 00-0099	EA		15" x 15" x 60" Single Tier Athletic Locker	429.80	40.82
			<i>For >25 To 50, Deduct</i>	-17.41	
			<i>For >50 To 100, Deduct</i>	-36.04	
			<i>For >100, Deduct</i>	-54.68	
10 51 13 00-0100	EA		15" x 18" x 60" Single Tier Athletic Locker	444.47	40.82
			<i>For >25 To 50, Deduct</i>	-18.14	
			<i>For >50 To 100, Deduct</i>	-37.51	
			<i>For >100, Deduct</i>	-56.88	
10 51 13 00-0101	EA		18" x 18" x 60" Single Tier Athletic Locker	507.80	40.82
			<i>For >25 To 50, Deduct</i>	-21.31	
			<i>For >50 To 100, Deduct</i>	-43.84	
			<i>For >100, Deduct</i>	-66.38	
10 51 13 00-0102	EA		18" x 21" x 60" Single Tier Athletic Locker	558.14	40.82
			<i>For >25 To 50, Deduct</i>	-23.83	
			<i>For >50 To 100, Deduct</i>	-48.88	
			<i>For >100, Deduct</i>	-73.93	
10 51 13 00-0103	EA		18" x 24" x 60" Single Tier Athletic Locker	592.58	40.82
			<i>For >25 To 50, Deduct</i>	-25.55	
			<i>For >50 To 100, Deduct</i>	-52.32	
			<i>For >100, Deduct</i>	-79.09	
10 51 13 00-0104	EA		12" x 15" x 72" Single Tier Athletic Locker	422.47	40.82
			<i>For >25 To 50, Deduct</i>	-17.04	
			<i>For >50 To 100, Deduct</i>	-35.31	
			<i>For >100, Deduct</i>	-53.58	
10 51 13 00-0105	EA		12" x 18" x 72" Single Tier Athletic Locker	447.24	40.82
			<i>For >25 To 50, Deduct</i>	-18.28	
			<i>For >50 To 100, Deduct</i>	-37.79	
			<i>For >100, Deduct</i>	-57.29	
10 51 13 00-0106	EA		15" x 15" x 72" Single Tier Athletic Locker	455.94	40.82
			<i>For >25 To 50, Deduct</i>	-18.72	
			<i>For >50 To 100, Deduct</i>	-38.66	
			<i>For >100, Deduct</i>	-58.60	
10 51 13 00-0107	EA		15" x 18" x 72" Single Tier Athletic Locker	471.84	40.82
			<i>For >25 To 50, Deduct</i>	-19.51	
			<i>For >50 To 100, Deduct</i>	-40.25	
			<i>For >100, Deduct</i>	-60.98	
10 51 13 00-0108	EA		18" x 18" x 72" Single Tier Athletic Locker	511.04	40.82
			<i>For >25 To 50, Deduct</i>	-21.47	
			<i>For >50 To 100, Deduct</i>	-44.17	
			<i>For >100, Deduct</i>	-66.86	
10 51 13 00-0109	EA		18" x 21" x 72" Single Tier Athletic Locker	552.13	40.82
			<i>For >25 To 50, Deduct</i>	-23.53	
			<i>For >50 To 100, Deduct</i>	-48.28	
			<i>For >100, Deduct</i>	-73.03	
10 51 13 00-0110			Two Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0111	EA		12" x 12" x 60" Two Tier Athletic Locker	455.68	42.09
			<i>For >25 To 50, Deduct</i>	-18.58	
			<i>For >50 To 100, Deduct</i>	-38.41	
			<i>For >100, Deduct</i>	-58.25	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0112	EA	12" x 15" x 60" Two Tier Athletic Locker	470.32	42.09
			For >25 To 50, Deduct	-19.31	
			For >50 To 100, Deduct	-39.88	
			For >100, Deduct	-60.45	
10 51	13 00-0113	EA	12" x 18" x 60" Two Tier Athletic Locker	486.79	42.09
			For >25 To 50, Deduct	-20.13	
			For >50 To 100, Deduct	-41.52	
			For >100, Deduct	-62.92	
10 51	13 00-0114	EA	15" x 15" x 60" Two Tier Athletic Locker	488.40	42.09
			For >25 To 50, Deduct	-20.21	
			For >50 To 100, Deduct	-41.68	
			For >100, Deduct	-63.16	
10 51	13 00-0115	EA	15" x 18" x 60" Two Tier Athletic Locker	491.83	42.09
			For >25 To 50, Deduct	-20.38	
			For >50 To 100, Deduct	-42.03	
			For >100, Deduct	-63.67	
10 51	13 00-0116	EA	18" x 18" x 60" Two Tier Athletic Locker	520.77	42.09
			For >25 To 50, Deduct	-21.83	
			For >50 To 100, Deduct	-44.92	
			For >100, Deduct	-68.01	
10 51	13 00-0117	EA	18" x 21" x 60" Two Tier Athletic Locker	541.98	42.09
			For >25 To 50, Deduct	-22.89	
			For >50 To 100, Deduct	-47.04	
			For >100, Deduct	-71.20	
10 51	13 00-0118	EA	18" x 24" x 60" Two Tier Athletic Locker	636.67	42.09
			For >25 To 50, Deduct	-27.62	
			For >50 To 100, Deduct	-56.51	
			For >100, Deduct	-85.40	
10 51	13 00-0119	EA	12" x 12" x 72" Two Tier Athletic Locker	471.53	42.09
			For >25 To 50, Deduct	-19.37	
			For >50 To 100, Deduct	-40.00	
			For >100, Deduct	-60.63	
10 51	13 00-0120	EA	12" x 15" x 72" Two Tier Athletic Locker	486.52	42.09
			For >25 To 50, Deduct	-20.12	
			For >50 To 100, Deduct	-41.50	
			For >100, Deduct	-62.88	
10 51	13 00-0121	EA	12" x 18" x 72" Two Tier Athletic Locker	506.95	42.09
			For >25 To 50, Deduct	-21.14	
			For >50 To 100, Deduct	-43.54	
			For >100, Deduct	-65.94	
10 51	13 00-0122	EA	15" x 15" x 72" Two Tier Athletic Locker	510.05	42.09
			For >25 To 50, Deduct	-21.29	
			For >50 To 100, Deduct	-43.85	
			For >100, Deduct	-66.41	
10 51	13 00-0123	EA	15" x 18" x 72" Two Tier Athletic Locker	526.84	42.09
			For >25 To 50, Deduct	-22.13	
			For >50 To 100, Deduct	-45.53	
			For >100, Deduct	-68.92	
10 51	13 00-0124	EA	18" x 18" x 72" Two Tier Athletic Locker	547.48	42.09
			For >25 To 50, Deduct	-23.17	
			For >50 To 100, Deduct	-47.59	
			For >100, Deduct	-72.02	
10 51	13 00-0125	EA	18" x 21" x 72" Two Tier Athletic Locker	593.78	42.09
			For >25 To 50, Deduct	-25.48	
			For >50 To 100, Deduct	-52.22	
			For >100, Deduct	-78.97	
10 51	13 00-0126		Three Tier Athletic Locker (10 51 13 00-0095)		
			Note: Includes one double hook per tier.		
10 51	13 00-0127	EA	12" x 12" x 60" Three Tier Athletic Locker	493.48	43.36
			For >25 To 50, Deduct	-20.34	
			For >50 To 100, Deduct	-41.98	
			For >100, Deduct	-63.61	
10 51	13 00-0128	EA	12" x 15" x 60" Three Tier Athletic Locker	517.20	43.36
			For >25 To 50, Deduct	-21.52	
			For >50 To 100, Deduct	-44.35	
			For >100, Deduct	-67.17	
10 51	13 00-0129	EA	12" x 18" x 60" Three Tier Athletic Locker	538.18	43.36
			For >25 To 50, Deduct	-22.57	
			For >50 To 100, Deduct	-46.45	
			For >100, Deduct	-70.32	
10 51	13 00-0130	EA	15" x 15" x 60" Three Tier Athletic Locker	552.42	43.36
			For >25 To 50, Deduct	-23.28	
			For >50 To 100, Deduct	-47.87	
			For >100, Deduct	-72.46	
10 51	13 00-0131	EA	15" x 18" x 60" Three Tier Athletic Locker	576.14	43.36
			For >25 To 50, Deduct	-24.47	
			For >50 To 100, Deduct	-50.24	
			For >100, Deduct	-76.01	
10 51	13 00-0132	EA	12" x 12" x 72" Three Tier Athletic Locker	520.51	43.36
			For >25 To 50, Deduct	-21.69	
			For >50 To 100, Deduct	-44.68	
			For >100, Deduct	-67.67	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0133	EA		12" x 15" x 72" Three Tier Athletic Locker.....	541.93	43.36
			<i>For >25 To 50, Deduct</i>	-22.76	
			<i>For >50 To 100, Deduct</i>	-46.82	
			<i>For >100, Deduct</i>	-70.88	
10 51 13 00-0134	EA		12" x 18" x 72" Three Tier Athletic Locker.....	571.49	43.36
			<i>For >25 To 50, Deduct</i>	-24.24	
			<i>For >50 To 100, Deduct</i>	-49.78	
			<i>For >100, Deduct</i>	-75.32	
10 51 13 00-0135	EA		15" x 15" x 72" Three Tier Athletic Locker.....	586.62	43.36
			<i>For >25 To 50, Deduct</i>	-24.99	
			<i>For >50 To 100, Deduct</i>	-51.29	
			<i>For >100, Deduct</i>	-77.59	
10 51 13 00-0136	EA		15" x 18" x 72" Three Tier Athletic Locker.....	609.32	43.36
			<i>For >25 To 50, Deduct</i>	-26.13	
			<i>For >50 To 100, Deduct</i>	-53.56	
			<i>For >100, Deduct</i>	-80.99	
10 51 13 00-0137			Four Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
10 51 13 00-0138	EA		12" x 12" x 60" Four Tier Athletic Locker	455.57	44.64
			<i>For >25 To 50, Deduct</i>	-18.31	
			<i>For >50 To 100, Deduct</i>	-37.97	
			<i>For >100, Deduct</i>	-57.62	
10 51 13 00-0139	EA		12" x 15" x 60" Four Tier Athletic Locker	484.62	44.64
			<i>For >25 To 50, Deduct</i>	-19.77	
			<i>For >50 To 100, Deduct</i>	-40.87	
			<i>For >100, Deduct</i>	-61.98	
10 51 13 00-0140	EA		12" x 18" x 60" Four Tier Athletic Locker	513.68	44.64
			<i>For >25 To 50, Deduct</i>	-21.22	
			<i>For >50 To 100, Deduct</i>	-43.78	
			<i>For >100, Deduct</i>	-66.34	
10 51 13 00-0141	EA		15" x 15" x 60" Four Tier Athletic Locker	525.55	44.64
			<i>For >25 To 50, Deduct</i>	-21.81	
			<i>For >50 To 100, Deduct</i>	-44.97	
			<i>For >100, Deduct</i>	-68.12	
10 51 13 00-0142	EA		15" x 18" x 60" Four Tier Athletic Locker	573.27	44.64
			<i>For >25 To 50, Deduct</i>	-24.20	
			<i>For >50 To 100, Deduct</i>	-49.74	
			<i>For >100, Deduct</i>	-75.28	
10 51 13 00-0143	EA		12" x 12" x 72" Four Tier Athletic Locker	485.13	44.64
			<i>For >25 To 50, Deduct</i>	-19.79	
			<i>For >50 To 100, Deduct</i>	-40.92	
			<i>For >100, Deduct</i>	-62.06	
10 51 13 00-0144	EA		12" x 15" x 72" Four Tier Athletic Locker	514.60	44.64
			<i>For >25 To 50, Deduct</i>	-21.27	
			<i>For >50 To 100, Deduct</i>	-43.87	
			<i>For >100, Deduct</i>	-66.48	
10 51 13 00-0145	EA		12" x 18" x 72" Four Tier Athletic Locker	544.06	44.64
			<i>For >25 To 50, Deduct</i>	-22.74	
			<i>For >50 To 100, Deduct</i>	-46.82	
			<i>For >100, Deduct</i>	-70.90	
10 51 13 00-0146	EA		15" x 15" x 72" Four Tier Athletic Locker	559.16	44.64
			<i>For >25 To 50, Deduct</i>	-23.49	
			<i>For >50 To 100, Deduct</i>	-48.33	
			<i>For >100, Deduct</i>	-73.16	
10 51 13 00-0147	EA		15" x 18" x 72" Four Tier Athletic Locker	570.48	44.64
			<i>For >25 To 50, Deduct</i>	-24.06	
			<i>For >50 To 100, Deduct</i>	-49.46	
			<i>For >100, Deduct</i>	-74.86	
10 51 13 00-0148			Six Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
10 51 13 00-0149	EA		12" x 12" x 72" Six Tier Athletic Locker	537.24	45.91
			<i>For >25 To 50, Deduct</i>	-22.27	
			<i>For >50 To 100, Deduct</i>	-45.92	
			<i>For >100, Deduct</i>	-69.57	
10 51 13 00-0150	EA		12" x 15" x 72" Six Tier Athletic Locker	559.88	45.91
			<i>For >25 To 50, Deduct</i>	-23.40	
			<i>For >50 To 100, Deduct</i>	-48.18	
			<i>For >100, Deduct</i>	-72.96	
10 51 13 00-0151	EA		12" x 18" x 72" Six Tier Athletic Locker	582.48	45.91
			<i>For >25 To 50, Deduct</i>	-24.53	
			<i>For >50 To 100, Deduct</i>	-50.44	
			<i>For >100, Deduct</i>	-76.35	
10 51 13 00-0152	EA		12" x 21" x 72" Six Tier Athletic Locker	664.95	45.91
			<i>For >25 To 50, Deduct</i>	-28.66	
			<i>For >50 To 100, Deduct</i>	-58.69	
			<i>For >100, Deduct</i>	-88.72	
10 51 13 00-0153			Metal Locker Accessories <small>(10 51 13)</small>		
10 51 13 00-0154			Locker Slope Tops <small>(10 51 13 00-0153)</small>		
10 51 13 00-0155			16 Gauge Continuous Sloping Hood <small>(10 51 13 00-0154)</small>		



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0156 LF 12" Deep, 16 Gauge Continuous Slope Top.....	34.35	5.10
10 51 13 00-0157 LF 15" Deep, 16 Gauge Continuous Slope Top.....	29.19	5.10
10 51 13 00-0158 LF 18" Deep, 16 Gauge Continuous Slope Top.....	39.62	5.10
10 51 13 00-0159 LF 21" Deep, 16 Gauge Continuous Slope Top.....	43.63	5.10
10 51 13 00-0160 LF 24" Deep, 16 Gauge Continuous Slope Top.....	45.51	5.10
10 51 13 00-0161 16 Gauge Slope Top Corner Fillers (10 51 13 00-0154)		
10 51 13 00-0162 EA 12" Deep, 16 Gauge Slope Top Corner Fillers.....	137.85	5.10
10 51 13 00-0163 EA 15" Deep, 16 Gauge Slope Top Corner Fillers.....	140.77	5.10
10 51 13 00-0164 EA 18" Deep, 16 Gauge Slope Top Corner Fillers.....	143.68	5.10
10 51 13 00-0165 EA 21" Deep, 16 Gauge Slope Top Corner Fillers.....	147.21	5.10
10 51 13 00-0166 EA 24" Deep, 16 Gauge Slope Top Corner Fillers.....	150.70	5.10
10 51 13 00-0167 20 Gauge Individual Slope Top (10 51 13 00-0154)		
10 51 13 00-0168 EA 12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	29.70	5.10
10 51 13 00-0169 EA 12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	29.51	5.10
10 51 13 00-0170 EA 12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	32.68	5.10
10 51 13 00-0171 EA 15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	32.68	5.10
10 51 13 00-0172 EA 15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	33.44	5.10
10 51 13 00-0173 EA 15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	36.44	5.10
10 51 13 00-0174 EA 18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	36.44	5.10
10 51 13 00-0175 EA 18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	40.38	5.10
10 51 13 00-0176 EA 18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	45.08	5.10
10 51 13 00-0177 Continuous Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0178 PR 12" Deep, Continuous Slope Top End Closures.....	31.57	5.10
10 51 13 00-0179 PR 15" Deep, Continuous Slope Top End Closures.....	27.04	5.10
10 51 13 00-0180 PR 18" Deep, Continuous Slope Top End Closures.....	35.31	5.10
10 51 13 00-0181 PR 21" Deep, Continuous Slope Top End Closures.....	37.19	5.10
10 51 13 00-0182 PR 24" Deep, Continuous Slope Top End Closures.....	38.48	5.10
10 51 13 00-0183 Individual Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0184 EA 12" Deep, Individual Slope Top End Closures.....	20.89	5.10
10 51 13 00-0185 EA 15" Deep, Individual Slope Top End Closures.....	21.48	5.10
10 51 13 00-0186 EA 18" Deep, Individual Slope Top End Closures.....	22.78	5.10
10 51 13 00-0187 EA 21" Deep, Individual Slope Top End Closures.....	23.68	5.10
10 51 13 00-0188 EA 24" Deep, Individual Slope Top End Closures.....	32.93	5.10
10 51 13 00-0189 Locker Base (10 51 13 00-0153)		
10 51 13 00-0190 Closed Front Base (10 51 13 00-0189)		
10 51 13 00-0191 EA 12" Wide, 6" High Closed Front Base.....	21.89	5.10
10 51 13 00-0192 EA 15" Wide, 6" High Closed Front Base.....	22.87	5.10
10 51 13 00-0193 EA 18" Wide, 6" High Closed Front Base.....	24.91	5.10
10 51 13 00-0194 EA 24" Wide, 6" High Closed Front Base.....	25.89	5.10
10 51 13 00-0195 Closed End Base (10 51 13 00-0189)		
10 51 13 00-0196 EA 12" Deep, 6" High Closed End Base.....	24.61	5.10
10 51 13 00-0197 EA 15" Deep, 6" High Closed End Base.....	24.78	5.10
10 51 13 00-0198 EA 18" Deep, 6" High Closed End Base.....	26.10	5.10
10 51 13 00-0199 EA 21" Deep, 6" High Closed End Base.....	27.40	5.10
10 51 13 00-0200 EA 24" Deep, 6" High Closed End Base.....	29.17	5.10
10 51 13 00-0201 Recessed Continuous Front "Z" Base (10 51 13 00-0189)		
10 51 13 00-0202 LF 4" High Recessed Continuous Front "Z" Base.....	25.42	3.82
10 51 13 00-0203 "Z" Base Ends Or Splice (10 51 13 00-0189)		
10 51 13 00-0204 EA 12" Wide, 4" High Z-Base Ends Or Splice.....	25.66	5.10
10 51 13 00-0205 EA 15" Wide, 4" High Z-Base Ends Or Splice.....	29.51	5.10
10 51 13 00-0206 EA 18" Wide, 4" High Z-Base Ends Or Splice.....	33.44	5.10
10 51 13 00-0207 EA 21" Wide, 4" High Z-Base Ends Or Splice.....	37.57	5.10
10 51 13 00-0208 EA 24" Wide, 4" High Z-Base Ends Or Splice.....	41.69	5.10
10 51 13 00-0209 Locker Front Fillers And End Panels (10 51 13 00-0153)		
10 51 13 00-0210 Locker Front Fillers (10 51 13 00-0209)		
10 51 13 00-0211 EA 6" Wide x 48" High, 16 Gauge Front Filler.....	33.37	6.37
10 51 13 00-0212 EA 12" Wide x 48" High, 16 Gauge Front Filler.....	53.03	6.37
10 51 13 00-0213 EA 6" Wide x 60" High, 16 Gauge Front Filler.....	41.44	6.37
10 51 13 00-0214 EA 12" Wide x 60" High, 16 Gauge Front Filler.....	63.11	6.37
10 51 13 00-0215 EA 6" Wide x 66" High, 16 Gauge Front Filler.....	44.97	6.37

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 51 13 00-0216	EA	12" Wide x 66" High, 16 Gauge Front Filler		50.33	6.37
10 51 13 00-0217	EA	6" Wide x 72" High, 16 Gauge Front Filler		49.07	6.37
10 51 13 00-0218	EA	12" Wide x 72" High, 16 Gauge Front Filler		68.96	6.37
10 51 13 00-0219	EA	6" Wide x 78" High, 16 Gauge Front Filler		50.20	6.37
10 51 13 00-0220	EA	12" Wide x 78" High, 16 Gauge Front Filler		58.24	6.37
10 51 13 00-0221		Locker End Panels <small>(10 51 13 00-0209)</small>			
10 51 13 00-0222	EA	12" Deep x 48" High, 16 Gauge End Panel		53.57	5.10
10 51 13 00-0223	EA	15" Deep x 48" High, 16 Gauge End Panel		65.14	5.10
10 51 13 00-0224	EA	18" Deep x 48" High, 16 Gauge End Panel		76.28	5.10
10 51 13 00-0225	EA	12" Deep x 60" High, 16 Gauge End Panel		63.05	5.10
10 51 13 00-0226	EA	15" Deep x 60" High, 16 Gauge End Panel		71.35	5.10
10 51 13 00-0227	EA	18" Deep x 60" High, 16 Gauge End Panel		84.41	5.10
10 51 13 00-0228	EA	12" Deep x 72" High, 16 Gauge End Panel		74.09	5.10
10 51 13 00-0229	EA	15" Deep x 72" High, 16 Gauge End Panel		84.18	5.10
10 51 13 00-0230	EA	18" Deep x 72" High, 16 Gauge End Panel		97.62	5.10
10 51 13 00-0231	EA	21" Deep x 72" High, 16 Gauge End Panel		112.21	5.10
10 51 13 00-0232		Locker Recessed Trim <small>(10 51 13 00-0153)</small>			
10 51 13 00-0233	LF	3" Height, Top Trim For Recessed Lockers		11.38	2.55
10 51 13 00-0234	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers		30.97	5.10
10 51 13 00-0235	EA	60" Height, 3" Wide Side Trim For Recessed Lockers		46.54	5.10
10 51 13 00-0236	EA	66" Height, 3" Wide Side Trim For Recessed Lockers		48.18	5.10
10 51 13 00-0237	EA	72" Height, 3" Wide Side Trim For Recessed Lockers		49.82	5.10
10 51 13 00-0238	EA	78" Height, 3" Wide Side Trim For Recessed Lockers		51.25	5.10
10 51 13 00-0239		Locker Interior Accessories <small>(10 51 13 00-0153)</small>			
10 51 13 00-0240		Locker Coat Rods <small>(10 51 13 00-0239)</small>			
10 51 13 00-0241	EA	12" Wide Coat Rod		17.28	5.10
10 51 13 00-0242	EA	15" Wide Coat Rod		18.80	5.10
10 51 13 00-0243	EA	18" Wide Coat Rod		20.16	5.10
10 51 13 00-0244	EA	24" Wide Coat Rod		21.36	5.10
10 51 13 00-0245		Locker Hat Shelf <small>(10 51 13 00-0239)</small>			
10 51 13 00-0246	EA	12" Wide Hat Shelf		20.49	5.10
10 51 13 00-0247	EA	15" Wide Hat Shelf		23.80	5.10
10 51 13 00-0248	EA	18" Wide Hat Shelf		25.19	5.10
10 51 13 00-0249	EA	24" Wide Hat Shelf		30.70	5.10
10 51 13 00-0250		Locker ADA Compliant Shelf <small>(10 51 13 00-0239)</small>			
10 51 13 00-0251	EA	ADA Compliant Shelf For Single Tier Lockers		39.52	6.37
		Note: Includes an ADA label for locker face.			
10 51 13 00-0252		Other Interior Locker Accessories <small>(10 51 13 00-0239)</small>			
10 51 13 00-0253	EA	3" x 10" Bent Plate Shoe Rack		51.38	5.10
10 51 13 00-0254	EA	8" x 10" Mirror		41.09	5.10
10 51 13 00-0255	EA	Additional Hook		12.78	5.10
10 51 13 00-0256		Locker Locks <small>(10 51 13 00-0153)</small>			
10 51 13 00-0257	EA	Built In Combination Lock		44.93	5.10
10 51 13 00-0258		Steel Basket Racks Mounted On Concrete Base <small>(10 51 13)</small>			
		Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.			
10 51 13 00-0259	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack		2,064.76	95.65
10 51 13 00-0260	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack		1,768.78	95.65
10 51 26		Plastic Lockers <small>(10 51)</small>			
10 51 26 00-0001		Solid Plastic Lockers <small>(10 51 26)</small>			
		Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.			
10 51 26 00-0002		Single Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>			
		Note: Includes one double hook per tier.			
10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)		686.67	39.54
		For >50 To 100, Deduct		-60.76	
		For >100, Deduct		-93.51	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)		698.86	39.54
		For >50 To 100, Deduct		-61.98	
		For >100, Deduct		-95.34	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0005	EA		12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	711.05	39.54
			<i>For >50 To 100, Deduct</i>	-63.20	
			<i>For >100, Deduct</i>	-97.17	
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	729.33	39.54
			<i>For >50 To 100, Deduct</i>	-65.03	
			<i>For >100, Deduct</i>	-99.91	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	710.00	39.54
			<i>For >50 To 100, Deduct</i>	-63.09	
			<i>For >100, Deduct</i>	-97.01	
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	715.13	39.54
			<i>For >50 To 100, Deduct</i>	-63.61	
			<i>For >100, Deduct</i>	-97.78	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	706.11	39.54
			<i>For >50 To 100, Deduct</i>	-62.70	
			<i>For >100, Deduct</i>	-96.43	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	756.44	39.54
			<i>For >50 To 100, Deduct</i>	-67.74	
			<i>For >100, Deduct</i>	-103.98	
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	744.83	39.54
			<i>For >50 To 100, Deduct</i>	-66.58	
			<i>For >100, Deduct</i>	-102.24	
10 51 26 00-0012	EA		12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	758.37	39.54
			<i>For >50 To 100, Deduct</i>	-67.93	
			<i>For >100, Deduct</i>	-104.27	
10 51 26 00-0013	EA		12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	771.91	39.54
			<i>For >50 To 100, Deduct</i>	-69.28	
			<i>For >100, Deduct</i>	-106.30	
10 51 26 00-0014	EA		15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	802.89	39.54
			<i>For >50 To 100, Deduct</i>	-72.38	
			<i>For >100, Deduct</i>	-110.95	
10 51 26 00-0015	EA		15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	845.47	39.54
			<i>For >50 To 100, Deduct</i>	-76.64	
			<i>For >100, Deduct</i>	-117.33	
10 51 26 00-0016	EA		18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	806.75	39.54
			<i>For >50 To 100, Deduct</i>	-72.77	
			<i>For >100, Deduct</i>	-111.52	
10 51 26 00-0017	EA		18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	876.42	39.54
			<i>For >50 To 100, Deduct</i>	-79.74	
			<i>For >100, Deduct</i>	-121.97	
10 51 26 00-0018	EA		12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	750.23	39.54
			<i>For >50 To 100, Deduct</i>	-67.12	
			<i>For >100, Deduct</i>	-103.05	
10 51 26 00-0019	EA		12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	789.93	39.54
			<i>For >50 To 100, Deduct</i>	-71.09	
			<i>For >100, Deduct</i>	-109.00	
10 51 26 00-0020	EA		12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	829.65	39.54
			<i>For >50 To 100, Deduct</i>	-75.06	
			<i>For >100, Deduct</i>	-114.96	
10 51 26 00-0021	EA		15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	800.56	39.54
			<i>For >50 To 100, Deduct</i>	-72.15	
			<i>For >100, Deduct</i>	-110.60	
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	842.64	39.54
			<i>For >50 To 100, Deduct</i>	-76.36	
			<i>For >100, Deduct</i>	-116.91	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	884.75	39.54
			<i>For >50 To 100, Deduct</i>	-80.57	
			<i>For >100, Deduct</i>	-123.22	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	850.89	39.54
			<i>For >50 To 100, Deduct</i>	-77.18	
			<i>For >100, Deduct</i>	-118.15	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	895.38	39.54
			<i>For >50 To 100, Deduct</i>	-81.63	
			<i>For >100, Deduct</i>	-124.82	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	858.23	40.82
			<i>For >50 To 100, Deduct</i>	-77.66	
			<i>For >100, Deduct</i>	-118.94	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	902.74	40.82
			<i>For >50 To 100, Deduct</i>	-82.11	
			<i>For >100, Deduct</i>	-125.62	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	947.21	40.82
			<i>For >50 To 100, Deduct</i>	-86.56	
			<i>For >100, Deduct</i>	-132.29	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	916.00	40.82
			<i>For >50 To 100, Deduct</i>	-83.44	
			<i>For >100, Deduct</i>	-127.61	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	962.94	40.82
			<i>For >50 To 100, Deduct</i>	-88.13	
			<i>For >100, Deduct</i>	-134.65	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,009.84	40.82
			<i>For >50 To 100, Deduct</i>	-92.82	
			<i>For >100, Deduct</i>	-141.68	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	962.04	40.82
			<i>For >50 To 100, Deduct</i>	-88.04	
			<i>For >100, Deduct</i>	-134.51	

10 Specialties
10 50 Storage Specialties
10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,023.09	40.82
			<i>For >50 To 100, Deduct</i>	-94.15	
			<i>For >100, Deduct</i>	-143.67	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,072.39	40.82
			<i>For >50 To 100, Deduct</i>	-99.08	
			<i>For >100, Deduct</i>	-151.06	
10 51 26 00-0035 Double Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>					
Note: Includes one double hook per tier.					
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	770.60	40.82
			<i>For >50 To 100, Deduct</i>	-68.90	
			<i>For >100, Deduct</i>	-105.80	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	782.21	40.82
			<i>For >50 To 100, Deduct</i>	-70.06	
			<i>For >100, Deduct</i>	-107.54	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	799.62	40.82
			<i>For >50 To 100, Deduct</i>	-71.80	
			<i>For >100, Deduct</i>	-110.15	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	793.83	40.82
			<i>For >50 To 100, Deduct</i>	-71.22	
			<i>For >100, Deduct</i>	-109.28	
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	824.80	40.82
			<i>For >50 To 100, Deduct</i>	-74.32	
			<i>For >100, Deduct</i>	-113.93	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	898.33	40.82
			<i>For >50 To 100, Deduct</i>	-81.67	
			<i>For >100, Deduct</i>	-124.96	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	801.58	40.82
			<i>For >50 To 100, Deduct</i>	-72.00	
			<i>For >100, Deduct</i>	-110.44	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	839.03	40.82
			<i>For >50 To 100, Deduct</i>	-75.74	
			<i>For >100, Deduct</i>	-116.06	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	906.08	40.82
			<i>For >50 To 100, Deduct</i>	-82.45	
			<i>For >100, Deduct</i>	-126.12	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	797.24	40.82
			<i>For >50 To 100, Deduct</i>	-71.56	
			<i>For >100, Deduct</i>	-109.79	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	857.86	40.82
			<i>For >50 To 100, Deduct</i>	-77.62	
			<i>For >100, Deduct</i>	-118.88	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	875.18	40.82
			<i>For >50 To 100, Deduct</i>	-79.36	
			<i>For >100, Deduct</i>	-121.48	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	867.99	40.82
			<i>For >50 To 100, Deduct</i>	-78.64	
			<i>For >100, Deduct</i>	-120.40	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	908.17	40.82
			<i>For >50 To 100, Deduct</i>	-82.66	
			<i>For >100, Deduct</i>	-126.43	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	916.02	40.82
			<i>For >50 To 100, Deduct</i>	-83.44	
			<i>For >100, Deduct</i>	-127.61	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	958.50	40.82
			<i>For >50 To 100, Deduct</i>	-87.69	
			<i>For >100, Deduct</i>	-133.98	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,000.98	40.82
			<i>For >50 To 100, Deduct</i>	-91.94	
			<i>For >100, Deduct</i>	-140.35	
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	923.16	42.09
			<i>For >50 To 100, Deduct</i>	-83.90	
			<i>For >100, Deduct</i>	-128.37	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	965.64	42.09
			<i>For >50 To 100, Deduct</i>	-88.15	
			<i>For >100, Deduct</i>	-134.74	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	987.77	42.09
			<i>For >50 To 100, Deduct</i>	-90.36	
			<i>For >100, Deduct</i>	-138.06	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	978.31	42.09
			<i>For >50 To 100, Deduct</i>	-89.41	
			<i>For >100, Deduct</i>	-136.64	
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,023.11	42.09
			<i>For >50 To 100, Deduct</i>	-93.89	
			<i>For >100, Deduct</i>	-143.36	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,067.89	42.09
			<i>For >50 To 100, Deduct</i>	-98.37	
			<i>For >100, Deduct</i>	-150.08	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	986.32	42.09
			<i>For >50 To 100, Deduct</i>	-90.21	
			<i>For >100, Deduct</i>	-137.85	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,080.53	42.09
			<i>For >50 To 100, Deduct</i>	-99.64	
			<i>For >100, Deduct</i>	-151.98	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,127.59	42.09
			<i>For >50 To 100, Deduct</i>	-104.34	
			<i>For >100, Deduct</i>	-159.04	
10 51 26 00-0062			Triple Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
			Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	758.64	42.09
			<i>For >50 To 100, Deduct</i>	-67.45	
			<i>For >100, Deduct</i>	-103.69	
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	790.51	42.09
			<i>For >50 To 100, Deduct</i>	-70.63	
			<i>For >100, Deduct</i>	-108.47	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	819.74	42.09
			<i>For >50 To 100, Deduct</i>	-73.56	
			<i>For >100, Deduct</i>	-112.86	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	825.40	42.09
			<i>For >50 To 100, Deduct</i>	-74.12	
			<i>For >100, Deduct</i>	-113.71	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	893.51	42.09
			<i>For >50 To 100, Deduct</i>	-80.93	
			<i>For >100, Deduct</i>	-123.92	
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	893.83	42.09
			<i>For >50 To 100, Deduct</i>	-80.97	
			<i>For >100, Deduct</i>	-123.97	
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	930.99	42.09
			<i>For >50 To 100, Deduct</i>	-84.68	
			<i>For >100, Deduct</i>	-129.55	
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	968.31	42.09
			<i>For >50 To 100, Deduct</i>	-88.41	
			<i>For >100, Deduct</i>	-135.14	
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,005.60	42.09
			<i>For >50 To 100, Deduct</i>	-92.14	
			<i>For >100, Deduct</i>	-140.74	
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	975.61	42.09
			<i>For >50 To 100, Deduct</i>	-89.14	
			<i>For >100, Deduct</i>	-136.24	
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,015.04	42.09
			<i>For >50 To 100, Deduct</i>	-93.09	
			<i>For >100, Deduct</i>	-142.15	
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,054.48	42.09
			<i>For >50 To 100, Deduct</i>	-97.03	
			<i>For >100, Deduct</i>	-148.07	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	982.39	43.36
			<i>For >50 To 100, Deduct</i>	-89.57	
			<i>For >100, Deduct</i>	-136.95	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,021.85	43.36
			<i>For >50 To 100, Deduct</i>	-93.51	
			<i>For >100, Deduct</i>	-142.87	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,049.54	43.36
			<i>For >50 To 100, Deduct</i>	-96.28	
			<i>For >100, Deduct</i>	-147.02	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,033.60	43.36
			<i>For >50 To 100, Deduct</i>	-94.69	
			<i>For >100, Deduct</i>	-144.63	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,046.11	43.36
			<i>For >50 To 100, Deduct</i>	-95.94	
			<i>For >100, Deduct</i>	-146.51	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,091.18	43.36
			<i>For >50 To 100, Deduct</i>	-100.45	
			<i>For >100, Deduct</i>	-153.27	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,015.69	43.36
			<i>For >50 To 100, Deduct</i>	-92.90	
			<i>For >100, Deduct</i>	-141.95	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,107.34	43.36
			<i>For >50 To 100, Deduct</i>	-102.06	
			<i>For >100, Deduct</i>	-155.69	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,172.22	43.36
			<i>For >50 To 100, Deduct</i>	-108.55	
			<i>For >100, Deduct</i>	-165.43	
10 51 26 00-0084			Four Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	882.15	43.36
			<i>For >50 To 100, Deduct</i>	-79.54	
			<i>For >100, Deduct</i>	-121.91	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	908.01	43.36
			<i>For >50 To 100, Deduct</i>	-82.13	
			<i>For >100, Deduct</i>	-125.79	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	955.70	43.36
			<i>For >50 To 100, Deduct</i>	-86.90	
			<i>For >100, Deduct</i>	-132.95	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	949.88	43.36
			<i>For >50 To 100, Deduct</i>	-86.32	
			<i>For >100, Deduct</i>	-132.07	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,011.67	43.36
			<i>For >50 To 100, Deduct</i>	-92.49	
			<i>For >100, Deduct</i>	-141.34	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,031.16	43.36
			<i>For >50 To 100, Deduct</i>	-94.44	
			<i>For >100, Deduct</i>	-144.27	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,021.48	43.36
			<i>For >50 To 100, Deduct</i>	-93.48	
			<i>For >100, Deduct</i>	-142.81	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,054.39	43.36
			<i>For >50 To 100, Deduct</i>	-96.77	
			<i>For >100, Deduct</i>	-147.75	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,149.23	43.36
			<i>For >50 To 100, Deduct</i>	-106.25	
			<i>For >100, Deduct</i>	-161.98	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,016.20	44.64
			<i>For >50 To 100, Deduct</i>	-92.69	
			<i>For >100, Deduct</i>	-141.72	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,062.07	44.64
			<i>For >50 To 100, Deduct</i>	-97.28	
			<i>For >100, Deduct</i>	-148.60	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,068.04	44.64
			<i>For >50 To 100, Deduct</i>	-97.88	
			<i>For >100, Deduct</i>	-149.49	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,125.84	44.64
			<i>For >50 To 100, Deduct</i>	-103.66	
			<i>For >100, Deduct</i>	-158.16	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,072.36	44.64
			<i>For >50 To 100, Deduct</i>	-98.31	
			<i>For >100, Deduct</i>	-150.14	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,120.81	44.64
			<i>For >50 To 100, Deduct</i>	-103.15	
			<i>For >100, Deduct</i>	-157.41	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,070.50	44.64
			<i>For >50 To 100, Deduct</i>	-98.12	
			<i>For >100, Deduct</i>	-149.86	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,128.56	44.64
			<i>For >50 To 100, Deduct</i>	-103.93	
			<i>For >100, Deduct</i>	-158.57	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,215.55	44.64
			<i>For >50 To 100, Deduct</i>	-112.63	
			<i>For >100, Deduct</i>	-171.62	
10 51 26 00-0103			Five Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	959.75	44.00
			<i>For >50 To 100, Deduct</i>	-87.18	
			<i>For >100, Deduct</i>	-133.40	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	991.78	44.00
			<i>For >50 To 100, Deduct</i>	-90.38	
			<i>For >100, Deduct</i>	-138.21	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,023.81	44.00
			<i>For >50 To 100, Deduct</i>	-93.58	
			<i>For >100, Deduct</i>	-143.01	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,003.42	44.00
			<i>For >50 To 100, Deduct</i>	-91.54	
			<i>For >100, Deduct</i>	-139.95	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,060.79	44.00
			<i>For >50 To 100, Deduct</i>	-97.28	
			<i>For >100, Deduct</i>	-148.56	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,088.56	44.00
			<i>For >50 To 100, Deduct</i>	-100.06	
			<i>For >100, Deduct</i>	-152.72	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,078.88	44.00
			<i>For >50 To 100, Deduct</i>	-99.09	
			<i>For >100, Deduct</i>	-151.27	
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,109.85	44.00
			<i>For >50 To 100, Deduct</i>	-102.19	
			<i>For >100, Deduct</i>	-155.92	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,210.49	44.00
			<i>For >50 To 100, Deduct</i>	-112.25	
			<i>For >100, Deduct</i>	-171.01	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,047.36	45.27
			<i>For >50 To 100, Deduct</i>	-95.68	
			<i>For >100, Deduct</i>	-146.24	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,083.28	45.27
			<i>For >50 To 100, Deduct</i>	-99.27	
			<i>For >100, Deduct</i>	-151.63	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,119.17	45.27
			<i>For >50 To 100, Deduct</i>	-102.86	
			<i>For >100, Deduct</i>	-157.01	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,106.61	45.27
			<i>For >50 To 100, Deduct</i>	-101.61	
			<i>For >100, Deduct</i>	-155.13	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0117 EA 15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,131.87	45.27
For >50 To 100, Deduct	-104.13	
For >100, Deduct	-158.91	
10 51 26 00-0118 EA 15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,169.69	45.27
For >50 To 100, Deduct	-107.91	
For >100, Deduct	-164.59	
10 51 26 00-0119 EA 18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,140.62	45.27
For >50 To 100, Deduct	-105.01	
For >100, Deduct	-160.23	
10 51 26 00-0120 EA 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,184.00	45.27
For >50 To 100, Deduct	-109.35	
For >100, Deduct	-166.73	
10 51 26 00-0121 EA 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,234.33	45.27
For >50 To 100, Deduct	-114.38	
For >100, Deduct	-174.28	
10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0123 EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,107.40	44.64
For >50 To 100, Deduct	-101.81	
For >100, Deduct	-155.40	
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,086.54	45.91
For >50 To 100, Deduct	-99.47	
For >100, Deduct	-151.96	
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,122.41	45.91
For >50 To 100, Deduct	-103.06	
For >100, Deduct	-157.34	
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,146.35	45.91
For >50 To 100, Deduct	-105.45	
For >100, Deduct	-160.93	
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,194.17	45.91
For >50 To 100, Deduct	-110.23	
For >100, Deduct	-168.11	
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,208.13	45.91
For >50 To 100, Deduct	-111.63	
For >100, Deduct	-170.20	
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,218.10	45.91
For >50 To 100, Deduct	-112.63	
For >100, Deduct	-171.70	
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,222.07	45.91
For >50 To 100, Deduct	-113.02	
For >100, Deduct	-172.29	
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,265.92	45.91
For >50 To 100, Deduct	-117.41	
For >100, Deduct	-178.87	
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,323.74	45.91
For >50 To 100, Deduct	-123.19	
For >100, Deduct	-187.54	
10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	51.63	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	56.79	
10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	131.85	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	51.76	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	135.40	
Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers.....	12.93	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	38.83	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	51.76	

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 53 Locker Room Benches (10 51)

10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	113.04	6.37
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	90.32	6.37
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	137.73	6.37
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	131.64	6.37
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	102.37	6.37

10 55 Postal Specialties (10 50)

10 55 23 Mail Boxes (10 55)

10 55 23 23 Residential Mail Boxes (10 55 23)

10 55 23 23-0001 Residential Mail Boxes (10 55 23 23)

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	130.56	14.35
		<i>For Stainless Steel Sleeve, Add</i>	28.49	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	174.69	14.35
		<i>For Stainless Steel Sleeve, Add</i>	28.49	
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	94.94	12.77
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	142.55	15.95

10 55 23 26 Commercial Mail Boxes (10 55 23)

10 55 23 26-0001 Commercial Letter Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	409.84	19.13
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	473.54	19.13

10 55 23 26-0004 Commercial Horizontal Mail Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	83.74	19.13
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	177.45	25.51
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	107.39	15.95
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	167.00	25.51

10 55 23 26-0009 Commercial Cluster Mail Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.

10 55 23 26-0010	EA	13-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDNCBU5)	2,098.97	38.26
		Note: Any door combination.		
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDNCBU8)	2,487.57	51.01
		Note: Any door combination.		
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	3,376.62	51.01
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	3,482.78	51.01
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	3,642.03	51.01

10 55 23 26-0015 Commercial 4C Mail Boxes (10 55 23 26)

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,858.45	51.01
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	3,260.12	51.01
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	3,387.52	51.01

10 55 26 Parcel Lockers (10 55)

10 55 26 00-0001 Parcel Lockers (10 55 26)

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker	1,561.78	38.26
		Note: Two compartments.		
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker	1,857.54	51.01
		Note: Two compartments.		

10 56 Storage Assemblies (10 50)



Specialties	10	10
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 56 13 Metal Storage Shelving (10 56)

10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)

10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf.....	165.60	21.75
		<i>For >75" To 87" High, Add</i>	14.64	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf.....	165.58	22.84
		<i>For >75" To 87" High, Add</i>	14.52	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf.....	158.34	25.02
		<i>For >75" To 87" High, Add</i>	13.62	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf.....	202.70	27.20
		<i>For >75" To 87" High, Add</i>	17.92	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf.....	227.63	28.28
		<i>For >75" To 87" High, Add</i>	20.25	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf.....	218.64	30.45
		<i>For >75" To 87" High, Add</i>	19.20	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf.....	243.33	32.63
		<i>For >75" To 87" High, Add</i>	21.50	

10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001)

Note: Adjustable shelves.

10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf.....	120.72	11.09
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf.....	119.14	11.85
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf.....	134.06	12.62
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf.....	139.34	13.38
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf.....	160.86	14.25

10 56 13 16-0016 4 Shelf Unit, 40" High Unit (10 56 13 16-0001)

10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf.....	139.25	21.75
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf.....	111.91	22.84
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf.....	128.67	25.02
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf.....	135.53	27.20
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf.....	155.35	28.28

10 56 16 Fabricated Wood Storage Shelving (10 56)

10 56 16 00-0001 Shelving (10 56 16)

10 56 16 00-0002 Built-In Wood Shelving (10 56 16 00-0001)

Note: Priced by shelf area. Includes hardware and trim.

10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood.....	24.53	3.21
		<i>For Each SF Of Lumber Edge Band, Add</i>	0.69	
		<i>For Each SF Of Prefinished Shelves, Add</i>	2.32	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine.....	26.45	3.85
		<i>For Each SF Of Lumber Edge Band, Add</i>	0.69	
		<i>For Each SF Of Prefinished Shelves, Add</i>	2.32	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	26.77	6.43
		<i>For Each SF Of Lumber Edge Band, Add</i>	0.69	
		<i>For Each SF Of Prefinished Shelves, Add</i>	2.32	

10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving.....	20.46	7.72
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving.....	22.46	8.23
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving.....	24.71	8.88
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade.....	32.07	

10 56 16 00-0011 Plywood Shelf With Edge Band (10 56 16 00-0001)

10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band.....	24.84	7.72
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band.....	38.49	9.64

10 56 16 00-0014 Adjustable Shelf And Rod (10 56 16 00-0001)

10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long.....	216.41	28.93
		Note: Including Rod		
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long.....	255.72	38.57
		Note: Including Rod		

10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)

10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	21.63	7.72
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	23.51	8.23
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	75.26	12.86

10	10	Specialties
	10 50	Storage Specialties
	10 56	Storage Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted <small>(10 56 16 00-0001)</small>		
10 56 16 00-0022 LF Wood Shelving, 1" X 8" Oak Clear Grade.....	24.34	12.09
10 56 17 Wall-Mounted Standards and Shelving <small>(10 56)</small>		
10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002 LF 8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	91.73	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0003 LF 10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	94.93	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0004 LF 12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	102.34	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0005 LF 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	111.91	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0006 LF 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	114.28	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0007 LF 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	134.79	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	149.88	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	164.40	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	178.99	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	212.52	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	232.37	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	261.04	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016 LF 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	61.53	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0017 LF 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	63.70	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0018 LF 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	66.31	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0019 LF 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	70.11	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0020 LF 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	74.70	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0021 LF 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving.....	87.06	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023 LF 14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	89.70	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0024 LF 18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving.....	100.88	12.76
For Installation On Concrete Walls, Add	4.76	
For Installation On Concrete Block Walls, Add	4.61	
10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving <small>(10 56 17)</small>		
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		



Specialties	10	10
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0026	LF		14" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i>	211.16 4.76	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	4.61	
10 56 17 00-0027	LF		18" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i>	219.72 4.76	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	4.61	
10 56 17 00-0028			Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF		8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i>	64.09 6.17	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	6.02	
10 56 17 00-0030	LF		10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i>	65.60 6.21	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	6.06	
10 56 17 00-0031	LF		12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i>	66.58 6.24	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	6.09	
10 56 17 00-0032	LF		16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i>	70.09 6.31	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	6.16	
10 56 17 00-0033	LF		18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i>	71.89 6.35	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	6.20	
10 56 17 00-0034	LF		24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i>	77.26 6.45	12.76
			<i>For Installation On Concrete Block Walls, Add</i>	6.30	
10 56 17 00-0035			Wall Mounted Shelving Accessories ^(10 56 17)		
10 56 17 00-0036	LF		Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	35.61	

10 57 Wardrobe And Closet Specialties ^(10 50)

10 57 13 Hat And Coat Racks ^(10 57)

10 57 13 00-0001 Hat And Coat Rack ^(10 57 13)

10 57 13 00-0002 Single Tier ^(10 57 13 00-0001)

10 57 13 00-0003	LF		Single Tier Hat And Coat Rack Baked Enameled Steel..... <i>For Custom Made Units, Add</i>	78.95 37.22	6.37
10 57 13 00-0004	LF		Single Tier Hat And Coat Rack Stainless Steel <i>For Custom Made Units, Add</i>	53.56 21.99	6.37
10 57 13 00-0005	LF		Single Tier Hat And Coat Rack Aluminum <i>For Custom Made Units, Add</i>	149.87 79.78	6.37

10 57 13 00-0006 Double Tier ^(10 57 13 00-0001)

10 57 13 00-0007	LF		Double Tier Hat And Coat Rack Baked Enameled Steel <i>For Custom Made Units, Add</i>	106.12 51.14	6.37
10 57 13 00-0008	LF		Double Tier Hat And Coat Rack Stainless Steel..... <i>For Custom Made Units, Add</i>	60.39 23.70	6.37
10 57 13 00-0009	LF		Double Tier Hat And Coat Rack Aluminum..... <i>For Custom Made Units, Add</i>	256.28 141.23	6.37

10 57 43 Wardrobe Units ^(10 57)

10 57 43 00-0001 Dormitory Wardrobe Units ^(10 57 43)

10 57 43 00-0002	EA		24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door <i>For Custom Made Units, Add</i>	2,170.20 1,136.79	236.20
10 57 43 00-0003	EA		24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door..... <i>For Custom Made Units, Add</i>	1,671.49 837.57	236.20

10 70 Exterior Specialties ⁽¹⁰⁾

10 71 Exterior Protection ^(10 70)

10 71 13 Exterior Sun Control Devices ^(10 71)

10 71 13 13 Exterior Shutters ^(10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished ^(10 71 13 13)

10 71 13 13-0002 Louvered Decorative Shutters ^(10 71 13 13-0001)

10 71 13 13-0003	PR		15" x 25" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	120.72 12.48	38.53
10 71 13 13-0004	PR		15" x 31" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	130.77 13.83	40.45
10 71 13 13-0005	PR		15" x 36" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	140.85 15.18	42.39

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13	13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	150.06 16.38	44.31
10 71 13	13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	160.46 17.79	46.23
10 71 13	13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	171.30 19.27	48.16
10 71 13	13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	178.73 20.15	50.09
10 71 13	13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	186.98 21.17	52.01
10 71 13	13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	197.96 22.69	53.94
10 71 13	13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	212.61 24.86	55.87
10 71 13	13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	219.65 25.67	57.79
10 71 13	13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	237.97 28.50	59.72
10 71 13	13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	244.96 29.30	61.65
10 71 13	13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	257.78 31.14	63.58
10 71 13	13-0017		Raised Panel Decorative Shutters (10 71 13 13-0001)		
10 71 13	13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	168.78 20.21	42.39
10 71 13	13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	180.80 21.91	44.31
10 71 13	13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	188.77 22.88	46.23
10 71 13	13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	201.14 24.65	48.16
10 71 13	13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	211.77 26.10	50.09
10 71 13	13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	221.83 27.44	52.01
10 71 13	13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	235.38 29.42	53.94
10 71 13	13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	253.23 32.17	55.87
10 71 13	13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	265.77 33.97	57.79
10 71 13	13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	279.88 36.05	59.72
10 71 13	13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	284.68 36.45	61.65
10 71 13	13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic..... <i>For Colored Finish, Add</i>	294.89 37.82	63.58
10 71 13	13-0030		Accordion Hurricane Impact Shutter (10 71 13 13)		
			Note: Add scaffolding after first floor.		
10 71 13	13-0031	SF	Aluminum Accordion Shutters, Ultraguard.....	40.43	5.78
10 71 13	13-0032		Exterior Spanish Cedar Shutters (10 71 13 13)		
10 71 13	13-0033		12" Width (10 71 13 13-0032)		
10 71 13	13-0034	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	460.91 150.00	38.53
10 71 13	13-0035	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	498.17 150.00	42.39
10 71 13	13-0036	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	532.86 150.00	44.31
10 71 13	13-0037	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	570.12 150.00	48.16
10 71 13	13-0038	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	604.80 150.00	50.09
10 71 13	13-0039	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	644.73 150.00	53.94
10 71 13	13-0040	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	679.43 150.00	55.87
10 71 13	13-0041	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	714.11 150.00	57.79
10 71 13	13-0042	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	751.38 150.00	61.65
10 71 13	13-0043		14" Width (10 71 13 13-0032)		
10 71 13	13-0044	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter..... <i>For Arched Tops, Add</i>	487.67 150.00	38.53



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0045	PR 14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	530.29 150.00	42.39
10 71	13	13-0046	PR 14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	570.33 150.00	44.31
10 71	13	13-0047	PR 14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	612.94 150.00	48.16
10 71	13	13-0048	PR 14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	652.98 150.00	50.09
10 71	13	13-0049	PR 14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	695.59 150.00	53.94
10 71	13	13-0050	PR 14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	735.64 150.00	55.87
10 71	13	13-0051	PR 14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	773.00 150.00	57.79
10 71	13	13-0052	PR 14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	815.62 150.00	61.65
10 71 13 13-0053 16" Width <small>(10 71 13 13-0032)</small>					
10 71	13	13-0054	PR 16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	517.12 150.00	38.53
10 71	13	13-0055	PR 16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	562.41 150.00	42.39
10 71	13	13-0056	PR 16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	607.80 150.00	44.31
10 71	13	13-0057	PR 16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	653.09 150.00	48.16
10 71	13	13-0058	PR 16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	698.48 150.00	50.09
10 71	13	13-0059	PR 16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	746.45 150.00	53.94
10 71	13	13-0060	PR 16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	789.18 150.00	55.87
10 71	13	13-0061	PR 16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	834.57 150.00	57.79
10 71	13	13-0062	PR 16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	882.53 150.00	61.65
10 71 13 13-0063 18" Width <small>(10 71 13 13-0032)</small>					
10 71	13	13-0064	PR 18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	543.88 150.00	38.53
10 71	13	13-0065	PR 18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	594.53 150.00	42.39
10 71	13	13-0066	PR 18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	645.28 150.00	44.31
10 71	13	13-0067	PR 18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	695.92 150.00	48.16
10 71	13	13-0068	PR 18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	743.99 150.00	50.09
10 71	13	13-0069	PR 18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	797.30 150.00	53.94
10 71	13	13-0070	PR 18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	845.39 150.00	55.87
10 71	13	13-0071	PR 18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	896.13 150.00	57.79
10 71	13	13-0072	PR 18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	946.77 150.00	61.65
10 71 13 13-0073 20" Width <small>(10 71 13 13-0032)</small>					
10 71	13	13-0074	PR 20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	570.65 150.00	38.53
10 71	13	13-0075	PR 20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	626.65 150.00	42.39
10 71	13	13-0076	PR 20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	680.07 150.00	44.31
10 71	13	13-0077	PR 20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	738.75 150.00	48.16
10 71	13	13-0078	PR 20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	792.17 150.00	50.09
10 71	13	13-0079	PR 20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	848.16 150.00	53.94
10 71	13	13-0080	PR 20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	901.60 150.00	55.87
10 71	13	13-0081	PR 20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	955.02 150.00	57.79
10 71	13	13-0082	PR 20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,011.01 150.00	61.65
10 71	13	13-0083	Heavy Duty Exterior True Louver Shutters, Western Red Cedar <small>(10 71 13 13)</small>		

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13	13-0084		12" Width <small>(10 71 13 13-0083)</small>		
	10 71 13 13-0085	PR	12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	521.52 150.00	38.53
	10 71 13 13-0086	PR	12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	555.38 150.00	40.45
	10 71 13 13-0087	PR	12" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	604.89 150.00	42.39
	10 71 13 13-0088	PR	12" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	638.76 150.00	44.31
	10 71 13 13-0089	PR	12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	688.27 150.00	46.23
	10 71 13 13-0090	PR	12" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	737.78 150.00	48.16
	10 71 13 13-0091	PR	12" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	771.64 150.00	50.09
	10 71 13 13-0092	PR	12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	821.16 150.00	52.01
	10 71 13 13-0093	PR	12" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	870.66 150.00	53.94
	10 71 13 13-0094	PR	12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	920.18 150.00	55.87
	10 71 13 13-0095	PR	12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	954.04 150.00	57.79
	10 71 13 13-0096	PR	12" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,003.54 150.00	59.72
	10 71 13 13-0097	PR	12" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,037.41 150.00	61.65
10 71 13	13-0098		14" Width <small>(10 71 13 13-0083)</small>		
	10 71 13 13-0099	PR	14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	584.97 150.00	38.53
	10 71 13 13-0100	PR	14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	624.06 150.00	40.45
	10 71 13 13-0101	PR	14" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	681.39 150.00	42.39
	10 71 13 13-0102	PR	14" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	720.47 150.00	44.31
	10 71 13 13-0103	PR	14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	777.81 150.00	46.23
	10 71 13 13-0104	PR	14" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	835.14 150.00	48.16
	10 71 13 13-0105	PR	14" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	874.21 150.00	50.09
	10 71 13 13-0106	PR	14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	931.55 150.00	52.01
	10 71 13 13-0107	PR	14" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	988.89 150.00	53.94
	10 71 13 13-0108	PR	14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,046.23 150.00	55.87
	10 71 13 13-0109	PR	14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,085.30 150.00	57.79
	10 71 13 13-0110	PR	14" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,142.63 150.00	59.72
	10 71 13 13-0111	PR	14" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,181.71 150.00	61.65
10 71 13	13-0112		15" Width <small>(10 71 13 13-0083)</small>		
	10 71 13 13-0113	PR	15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	616.70 150.00	38.53
	10 71 13 13-0114	PR	15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	658.39 150.00	40.45
	10 71 13 13-0115	PR	15" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	719.64 150.00	42.39
	10 71 13 13-0116	PR	15" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	761.33 150.00	44.31
	10 71 13 13-0117	PR	15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	822.58 150.00	46.23
	10 71 13 13-0118	PR	15" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	883.82 150.00	48.16
	10 71 13 13-0119	PR	15" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	925.50 150.00	50.09
	10 71 13 13-0120	PR	15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	986.75 150.00	52.01
	10 71 13 13-0121	PR	15" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,048.00 150.00	53.94
	10 71 13 13-0122	PR	15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,109.26 150.00	55.87
	10 71 13 13-0123	PR	15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,150.93 150.00	57.79
	10 71 13 13-0124	PR	15" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,212.17 150.00	59.72



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0125	PR 15" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,253.86 150.00	61.65
10 71 13 13-0126 16" Width <small>(10 71 13 13-0083)</small>					
10 71	13	13-0127	PR 16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	648.43 150.00	38.53
10 71	13	13-0128	PR 16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	681.86 150.00	40.45
10 71	13	13-0129	PR 16" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	757.89 150.00	42.39
10 71	13	13-0130	PR 16" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	802.19 150.00	44.31
10 71	13	13-0131	PR 16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	867.35 150.00	46.23
10 71	13	13-0132	PR 16" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	932.50 150.00	48.16
10 71	13	13-0133	PR 16" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	976.79 150.00	50.09
10 71	13	13-0134	PR 16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,041.95 150.00	52.01
10 71	13	13-0135	PR 16" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,107.11 150.00	53.94
10 71	13	13-0136	PR 16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,172.28 150.00	55.87
10 71	13	13-0137	PR 16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,216.57 150.00	57.79
10 71	13	13-0138	PR 16" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,281.72 150.00	59.72
10 71	13	13-0139	PR 16" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,326.01 150.00	61.65
10 71 13 13-0140 18" Width <small>(10 71 13 13-0083)</small>					
10 71	13	13-0141	PR 18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	711.89 150.00	38.53
10 71	13	13-0142	PR 18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	761.40 150.00	40.45
10 71	13	13-0143	PR 18" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	834.39 150.00	42.39
10 71	13	13-0144	PR 18" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	883.90 150.00	44.31
10 71	13	13-0145	PR 18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	956.88 150.00	46.23
10 71	13	13-0146	PR 18" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,029.87 150.00	48.16
10 71	13	13-0147	PR 18" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,079.37 150.00	50.09
10 71	13	13-0148	PR 18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,152.35 150.00	52.01
10 71	13	13-0149	PR 18" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,225.34 150.00	53.94
10 71	13	13-0150	PR 18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,298.33 150.00	55.87
10 71	13	13-0151	PR 18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,347.83 150.00	57.79
10 71	13	13-0152	PR 18" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,420.80 150.00	59.72
10 71	13	13-0153	PR 18" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	1,470.32 150.00	61.65
10 71 13 13-0154 Exterior Cypress Fixed Louver Wood Shutters <small>(10 71 13 13)</small>					
10 71 13 13-0155 6" Through 8" Width <small>(10 71 13 13-0154)</small>					
10 71	13	13-0156	PR 6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	649.12 65.00	36.61
10 71	13	13-0157	PR 6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	730.32 65.00	37.63
10 71	13	13-0158	PR 6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	811.74 65.00	38.53
10 71	13	13-0159	PR 6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	894.33 65.00	40.45
10 71	13	13-0160	PR 6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	976.95 65.00	42.39
10 71	13	13-0161	PR 6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,059.56 65.00	44.31
10 71	13	13-0162	PR 6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,142.15 65.00	46.23
10 71	13	13-0163	PR 6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,224.77 65.00	48.16
10 71	13	13-0164	PR 6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,307.38 65.00	50.09

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13	13-0165	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,389.97 65.00	52.01
10 71 13	13-0166	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,472.58 65.00	53.94
10 71 13	13-0167	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,555.21 65.00	55.87
10 71 13	13-0168	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,637.81 65.00	57.79
10 71 13	13-0169	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,720.42 65.00	59.72
10 71 13 13-0170 10" Through 12" Width <small>(10 71 13 13-0154)</small>					
10 71 13	13-0171	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	755.05 65.00	36.61
10 71 13	13-0172	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	850.47 65.00	37.63
10 71 13	13-0173	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	945.93 65.00	38.53
10 71 13	13-0174	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,042.67 65.00	40.45
10 71 13	13-0175	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,139.38 65.00	42.39
10 71 13	13-0176	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,236.12 65.00	44.31
10 71 13	13-0177	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,332.87 65.00	46.23
10 71 13	13-0178	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,429.58 65.00	48.16
10 71 13	13-0179	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,526.31 65.00	50.09
10 71 13	13-0180	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,623.06 65.00	52.01
10 71 13	13-0181	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,719.77 65.00	53.94
10 71 13	13-0182	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,816.52 65.00	55.87
10 71 13	13-0183	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,913.22 65.00	57.79
10 71 13	13-0184	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,009.96 65.00	59.72
10 71 13 13-0185 14" Through 16" Width <small>(10 71 13 13-0154)</small>					
10 71 13	13-0186	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	990.45 65.00	36.61
10 71 13	13-0187	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,117.29 65.00	37.63
10 71 13	13-0188	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,244.09 65.00	38.53
10 71 13	13-0189	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,372.21 65.00	40.45
10 71 13	13-0190	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,500.34 65.00	42.39
10 71 13	13-0191	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,628.46 65.00	44.31
10 71 13	13-0192	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,756.59 65.00	46.23
10 71 13	13-0193	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,884.71 65.00	48.16
10 71 13	13-0194	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,887.27 65.00	50.09
10 71 13	13-0195	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,140.95 65.00	52.01
10 71 13	13-0196	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,269.07 65.00	53.94
10 71 13	13-0197	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,397.18 65.00	55.87
10 71 13	13-0198	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,525.29 65.00	57.79
10 71 13	13-0199	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,653.40 65.00	59.72
10 71 13 13-0200 18" Through 20" Width <small>(10 71 13 13-0154)</small>					
10 71 13	13-0201	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,108.14 65.00	36.61
10 71 13	13-0202	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,250.68 65.00	37.63
10 71 13	13-0203	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,393.19 65.00	38.53
10 71 13	13-0204	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,535.70 65.00	40.45



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0205	PR 18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,680.82 65.00	42.39
10 71	13	13-0206	PR 18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,824.65 65.00	44.31
10 71	13	13-0207	PR 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,968.44 65.00	46.23
10 71	13	13-0208	PR 18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,112.28 65.00	48.16
10 71	13	13-0209	PR 18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,256.06 65.00	50.09
10 71	13	13-0210	PR 18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,399.90 65.00	52.01
10 71	13	13-0211	PR 18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,543.69 65.00	53.94
10 71	13	13-0212	PR 18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,687.53 65.00	55.87
10 71	13	13-0213	PR 18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,831.32 65.00	57.79
10 71	13	13-0214	PR 18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,975.14 65.00	59.72
10 71 13 13-0215 22" Through 24" Width <small>(10 71 13 13-0154)</small>					
10 71	13	13-0216	PR 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,461.26 65.00	36.61
10 71	13	13-0217	PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,650.85 65.00	37.63
10 71	13	13-0218	PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,840.48 65.00	38.53
10 71	13	13-0219	PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,031.37 65.00	40.45
10 71	13	13-0220	PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,222.25 65.00	42.39
10 71	13	13-0221	PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,413.17 65.00	44.31
10 71	13	13-0222	PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,604.05 65.00	46.23
10 71	13	13-0223	PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,794.94 65.00	48.16
10 71	13	13-0224	PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,985.85 65.00	50.09
10 71	13	13-0225	PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,176.73 65.00	52.01
10 71	13	13-0226	PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,367.62 65.00	53.94
10 71	13	13-0227	PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,558.55 65.00	55.87
10 71	13	13-0228	PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,749.42 65.00	57.79
10 71	13	13-0229	PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,940.30 65.00	59.72
10 71 13 13-0230 26" Through 28" Width <small>(10 71 13 13-0154)</small>					
10 71	13	13-0231	PR 26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,673.12 65.00	36.61
10 71	13	13-0232	PR 26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,890.96 65.00	37.63
10 71	13	13-0233	PR 26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,108.84 65.00	38.53
10 71	13	13-0234	PR 26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,327.98 65.00	40.45
10 71	13	13-0235	PR 26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,547.12 65.00	42.39
10 71	13	13-0236	PR 26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,766.29 65.00	44.31
10 71	13	13-0237	PR 26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	2,985.43 65.00	46.23
10 71	13	13-0238	PR 26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,204.56 65.00	48.16
10 71	13	13-0239	PR 26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,423.72 65.00	50.09
10 71	13	13-0240	PR 26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,642.83 65.00	52.01
10 71	13	13-0241	PR 26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	3,861.97 65.00	53.94
10 71	13	13-0242	PR 26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	4,081.15 65.00	55.87
10 71	13	13-0243	PR 26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	4,300.27 65.00	57.79
10 71	13	13-0244	PR 26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	4,519.37 65.00	59.72

10 Specialties

10 70 Exterior Specialties

10 71 Exterior Protection



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 71 13 13-0245		Pine Louvered Shutters <small>(10 71 13 13)</small>		
10 71 13 13-0246		12" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0247	PR	12" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	373.74 65.00	38.53
10 71 13 13-0248	PR	12" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	389.96 65.00	40.45
10 71 13 13-0249	PR	12" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	406.00 65.00	42.39
10 71 13 13-0250	PR	12" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	422.12 65.00	44.31
10 71 13 13-0251	PR	12" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	438.17 65.00	46.23
10 71 13 13-0252	PR	12" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	454.28 65.00	48.16
10 71 13 13-0253	PR	12" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	470.42 65.00	50.09
10 71 13 13-0254	PR	12" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	486.65 65.00	52.01
10 71 13 13-0255	PR	12" x 67" Pine Louvered Shutter <i>For Arched Tops, Add</i>	502.77 65.00	53.94
10 71 13 13-0256	PR	12" x 71" Pine Louvered Shutter <i>For Arched Tops, Add</i>	518.93 65.00	55.87
10 71 13 13-0257	PR	12" x 75" Pine Louvered Shutter <i>For Arched Tops, Add</i>	535.04 65.00	57.79
10 71 13 13-0258		14" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0259	PR	14" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	412.67 65.00	38.53
10 71 13 13-0260	PR	14" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	430.67 65.00	40.45
10 71 13 13-0261	PR	14" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	448.38 65.00	42.39
10 71 13 13-0262	PR	14" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	466.27 65.00	44.31
10 71 13 13-0263	PR	14" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	484.02 65.00	46.23
10 71 13 13-0264	PR	14" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	501.73 65.00	48.16
10 71 13 13-0265	PR	14" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	519.58 65.00	50.09
10 71 13 13-0266	PR	14" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	537.43 65.00	52.01
10 71 13 13-0267	PR	14" x 67" Pine Louvered Shutter <i>For Arched Tops, Add</i>	555.18 65.00	53.94
10 71 13 13-0268	PR	14" x 71" Pine Louvered Shutter <i>For Arched Tops, Add</i>	573.01 65.00	55.87
10 71 13 13-0269	PR	14" x 75" Pine Louvered Shutter <i>For Arched Tops, Add</i>	590.89 65.00	57.79
10 71 13 13-0270		15" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0271	PR	15" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	431.69 65.00	38.53
10 71 13 13-0272	PR	15" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	450.34 65.00	40.45
10 71 13 13-0273	PR	15" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	469.06 65.00	42.39
10 71 13 13-0274	PR	15" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	487.64 65.00	44.31
10 71 13 13-0275	PR	15" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	506.33 65.00	46.23
10 71 13 13-0276	PR	15" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	524.98 65.00	48.16
10 71 13 13-0277	PR	15" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	543.66 65.00	50.09
10 71 13 13-0278	PR	15" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	562.28 65.00	52.01
10 71 13 13-0279	PR	15" x 67" Pine Louvered Shutter <i>For Arched Tops, Add</i>	580.89 65.00	53.94
10 71 13 13-0280	PR	15" x 71" Pine Louvered Shutter <i>For Arched Tops, Add</i>	599.52 65.00	55.87
10 71 13 13-0281	PR	15" x 75" Pine Louvered Shutter <i>For Arched Tops, Add</i>	618.20 65.00	57.79
10 71 13 13-0282	PR	15" x 81" Pine Louvered Shutter <i>For Arched Tops, Add</i>	644.88 65.00	59.72
10 71 13 13-0283		16" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0284	PR	16" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	449.80 65.00	38.53



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0285 PR 16" x 39" Pine Louvered Shutter.....	470.01	40.45
For Arched Tops, Add	65.00	
10 71 13 13-0286 PR 16" x 43" Pine Louvered Shutter.....	490.40	42.39
For Arched Tops, Add	65.00	
10 71 13 13-0287 PR 16" x 47" Pine Louvered Shutter.....	510.72	44.31
For Arched Tops, Add	65.00	
10 71 13 13-0288 PR 16" x 51" Pine Louvered Shutter.....	531.07	46.23
For Arched Tops, Add	65.00	
10 71 13 13-0289 PR 16" x 55" Pine Louvered Shutter.....	551.39	48.16
For Arched Tops, Add	65.00	
10 71 13 13-0290 PR 16" x 59" Pine Louvered Shutter.....	571.59	50.09
For Arched Tops, Add	65.00	
10 71 13 13-0291 PR 16" x 63" Pine Louvered Shutter.....	591.98	52.01
For Arched Tops, Add	65.00	
10 71 13 13-0292 PR 16" x 67" Pine Louvered Shutter.....	612.30	53.94
For Arched Tops, Add	65.00	
10 71 13 13-0293 PR 16" x 71" Pine Louvered Shutter.....	632.66	55.87
For Arched Tops, Add	65.00	
10 71 13 13-0294 PR 16" x 75" Pine Louvered Shutter.....	652.97	57.79
For Arched Tops, Add	65.00	
10 71 13 13-0295 PR 16" x 81" Pine Louvered Shutter.....	673.17	59.72
For Arched Tops, Add	65.00	
10 71 13 13-0296 18" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0297 PR 18" x 35" Pine Louvered Shutter.....	489.64	38.53
For Arched Tops, Add	65.00	
10 71 13 13-0298 PR 18" x 39" Pine Louvered Shutter.....	515.83	40.45
For Arched Tops, Add	65.00	
10 71 13 13-0299 PR 18" x 47" Pine Louvered Shutter.....	560.85	44.31
For Arched Tops, Add	65.00	
10 71 13 13-0300 PR 18" x 55" Pine Louvered Shutter.....	605.97	48.16
For Arched Tops, Add	65.00	
10 71 13 13-0301 PR 18" x 63" Pine Louvered Shutter.....	651.06	52.01
For Arched Tops, Add	65.00	
10 71 13 13-0302 PR 18" x 75" Pine Louvered Shutter.....	748.67	57.79
For Arched Tops, Add	65.00	
10 71 13 13-0303 PR 18" x 81" Pine Louvered Shutter.....	776.22	59.72
For Arched Tops, Add	65.00	
10 71 13 13-0304 Exterior Cedar Board N' Batten Wood Shutters <small>(10 71 13 13)</small>		
10 71 13 13-0305 8" Through 14" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0306 PR 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter.....	740.30	36.61
For Arched Tops, Add	65.00	
10 71 13 13-0307 PR 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter.....	972.07	37.63
For Arched Tops, Add	65.00	
10 71 13 13-0308 PR 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter.....	973.35	38.53
For Arched Tops, Add	65.00	
10 71 13 13-0309 PR 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter.....	1,206.42	40.45
For Arched Tops, Add	65.00	
10 71 13 13-0310 PR 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter.....	1,208.99	42.39
For Arched Tops, Add	65.00	
10 71 13 13-0311 PR 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter.....	1,211.56	44.31
For Arched Tops, Add	65.00	
10 71 13 13-0312 PR 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter.....	1,444.63	46.23
For Arched Tops, Add	65.00	
10 71 13 13-0313 PR 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter.....	1,447.20	48.16
For Arched Tops, Add	65.00	
10 71 13 13-0314 PR 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter.....	1,449.76	50.09
For Arched Tops, Add	65.00	
10 71 13 13-0315 PR 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter.....	1,682.83	52.01
For Arched Tops, Add	65.00	
10 71 13 13-0316 PR 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter.....	1,685.39	53.94
For Arched Tops, Add	65.00	
10 71 13 13-0317 PR 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter.....	1,918.47	55.87
For Arched Tops, Add	65.00	
10 71 13 13-0318 PR 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter.....	1,921.03	57.79
For Arched Tops, Add	65.00	
10 71 13 13-0319 PR 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter.....	1,923.59	59.72
For Arched Tops, Add	65.00	
10 71 13 13-0320 PR 8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter.....	1,926.17	61.65
For Arched Tops, Add	65.00	
10 71 13 13-0321 15" Through 16" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0322 PR 15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter.....	970.79	36.61
For Arched Tops, Add	65.00	
10 71 13 13-0323 PR 15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter.....	972.07	37.63
For Arched Tops, Add	65.00	
10 71 13 13-0324 PR 15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter.....	1,203.85	38.53
For Arched Tops, Add	65.00	

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13	13-0325	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,206.42	40.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0326	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,439.49	42.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0327	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,442.06	44.31
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0328	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,444.63	46.23
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0329	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,677.69	48.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0330	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,680.25	50.09
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0331	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,913.32	52.01
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0332	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,915.89	53.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0333	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,148.96	55.87
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0334	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,151.52	57.79
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0335	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,384.58	59.72
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0336	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,387.15	61.65
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0337 17" Through 18" Width (10 71 13 13-0304)					
10 71 13	13-0338	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	970.79	36.61
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0339	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,202.57	37.63
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0340	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,203.85	38.53
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0341	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,436.92	40.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0342	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,439.49	42.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0343	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,672.55	44.31
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0344	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,675.12	46.23
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0345	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,908.19	48.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0346	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,910.75	50.09
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0347	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,143.81	52.01
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0348	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,146.38	53.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0349	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,379.46	55.87
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0350	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,382.02	57.79
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0351	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,615.08	59.72
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0352	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,617.65	61.65
			<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0353 19" Through 20" Width (10 71 13 13-0304)					
10 71 13	13-0354	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,201.29	36.61
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0355	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,202.57	37.63
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0356	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,434.35	38.53
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0357	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,436.92	40.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0358	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,669.98	42.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0359	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,672.55	44.31
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0360	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,905.62	46.23
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0361	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,138.68	48.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0362	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,141.24	50.09
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0363	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,374.31	52.01
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0364	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,376.88	53.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0365	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,609.96	55.87
			<i>For Arched Tops, Add</i>	65.00	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13	13-0366	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,612.52	57.79
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0367	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,845.57	59.72
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0368	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,848.14	61.65
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0369		21" Through 22" Width <small>(10 71 13 13-0304)</small>		
10 71 13	13-0370	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,201.29	36.61
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0371	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,202.57	37.63
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0372	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,434.35	38.53
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0373	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,667.41	40.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0374	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,669.98	42.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0375	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,903.05	44.31
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0376	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,905.62	46.23
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0377	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,138.68	48.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0378	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,371.74	50.09
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0379	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,374.31	52.01
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0380	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,607.38	53.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0381	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,609.96	55.87
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0382	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,843.01	57.79
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0383	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,845.57	59.72
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0384	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,848.14	61.65
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0385		22" Through 24" Width <small>(10 71 13 13-0304)</small>		
10 71 13	13-0386	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,201.29	36.61
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0387	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,433.07	37.63
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0388	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,434.35	38.53
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0389	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,667.41	40.45
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0390	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,900.48	42.39
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0391	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,903.05	44.31
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0392	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,136.11	46.23
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0393	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,138.68	48.16
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0394	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,371.74	50.09
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0395	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,604.81	52.01
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0396	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,607.38	53.94
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0397	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,840.45	55.87
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0398	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,843.01	57.79
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0399	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,076.07	59.72
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0400	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,078.64	61.65
			<i>For Arched Tops, Add</i>	65.00	
10 71 13	13-0401		Accessories <small>(10 71 13 13)</small>		
10 71 13	13-0402	PR	Surface Mounted Pintel, Stainless Steel	71.26	
10 71 13	13-0403	PR	Lag Pintel, Stainless Steel	71.26	
10 71 13	13-0404	PR	10" Strap Hinge, Stainless Steel	106.11	
10 71 13	13-0405	PR	6" L-Hinge, Stainless Steel	98.32	
10 71 13	13-0406	PR	Hinge Set, Galvanized And Painted	89.39	
10 71 13	13-0407	PR	Acorn Holdback	81.58	
10 71 13	13-0408	PR	'S' Holdback, Stainless Steel	68.97	
10 71 13	13-0409	PR	'S' Holdback, Galvanized And Painted	65.08	

10	10	Specialties
	10 70	Exterior Specialties
	10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 71 16	Storm Panels <small>(10 71)</small>		
10 71 16 13	Demountable Storm Panels <small>(10 71 16)</small>		
10 71 16 13-0001	Hurricane Panels <small>(10 71 16 13)</small>		
10 71 16 13-0002	Aluminum <small>(10 71 16 13-0001)</small>		
10 71 16 13-0003	SF 0.040" Aluminum Hurricane Panels	21.38	5.78
10 71 16 13-0004	SF 0.050" Aluminum Hurricane Panels (Miami-Dade Approved)	22.52	5.78
10 71 16 13-0005	SF 0.063" Aluminum Hurricane Panels (Miami-Dade Approved)	24.69	5.78
10 71 16 13-0006	Steel <small>(10 71 16 13-0001)</small>		
10 71 16 13-0007	SF 22 Gauge Galvanized Steel Hurricane Panels	20.21	5.78
10 71 16 13-0008	SF 20 Gauge Galvanized Steel Hurricane Panels	21.02	5.78
10 71 16 13-0009	Fiberglass <small>(10 71 16 13-0001)</small>		
10 71 16 13-0010	SF Fiberglass Hurricane Panels	20.87	5.78
10 71 16 13-0011	Bahama Shutters <small>(10 71 16 13)</small>		
10 71 16 13-0012	Up To 36" Wide <small>(10 71 16 13-0011)</small>		
10 71 16 13-0013	EA 9" Wide x 24" High, Architectural Aluminum Bahama Shutter	314.87	8.83
	<i>For Impact Bahama Shutters, Add</i>	120.65	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-6.69	
	<i>For >25 To 50, Deduct</i>	-13.06	
	<i>For >50, Deduct</i>	-19.42	
10 71 16 13-0014	EA 9" Wide x 30" High, Architectural Aluminum Bahama Shutter	335.88	11.05
	<i>For Impact Bahama Shutters, Add</i>	127.73	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-7.21	
	<i>For >25 To 50, Deduct</i>	-14.01	
	<i>For >50, Deduct</i>	-20.81	
10 71 16 13-0015	EA 9" Wide x 36" High, Architectural Aluminum Bahama Shutter	356.90	13.26
	<i>For Impact Bahama Shutters, Add</i>	134.81	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-7.73	
	<i>For >25 To 50, Deduct</i>	-14.97	
	<i>For >50, Deduct</i>	-22.21	
10 71 16 13-0016	EA 9" Wide x 42" High, Architectural Aluminum Bahama Shutter	375.93	14.14
	<i>For Impact Bahama Shutters, Add</i>	141.90	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-8.15	
	<i>For >25 To 50, Deduct</i>	-15.78	
	<i>For >50, Deduct</i>	-23.40	
10 71 16 13-0017	EA 9" Wide x 48" High, Architectural Aluminum Bahama Shutter	396.66	16.16
	<i>For Impact Bahama Shutters, Add</i>	148.98	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-8.66	
	<i>For >25 To 50, Deduct</i>	-16.71	
	<i>For >50, Deduct</i>	-24.77	
10 71 16 13-0018	EA 9" Wide x 54" High, Architectural Aluminum Bahama Shutter	417.41	18.17
	<i>For Impact Bahama Shutters, Add</i>	156.06	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-9.17	
	<i>For >25 To 50, Deduct</i>	-17.65	
	<i>For >50, Deduct</i>	-26.14	
10 71 16 13-0019	EA 9" Wide x 60" High, Architectural Aluminum Bahama Shutter	438.12	20.19
	<i>For Impact Bahama Shutters, Add</i>	163.14	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-9.67	
	<i>For >25 To 50, Deduct</i>	-18.58	
	<i>For >50, Deduct</i>	-27.50	
10 71 16 13-0020	EA 9" Wide x 66" High, Architectural Aluminum Bahama Shutter	457.20	21.10
	<i>For Impact Bahama Shutters, Add</i>	170.22	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-10.09	
	<i>For >25 To 50, Deduct</i>	-19.40	
	<i>For >50, Deduct</i>	-28.70	
10 71 16 13-0021	EA 9" Wide x 72" High, Architectural Aluminum Bahama Shutter	477.77	23.02
	<i>For Impact Bahama Shutters, Add</i>	177.30	
	<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
	<i>For >10 To 25, Deduct</i>	-10.59	
	<i>For >25 To 50, Deduct</i>	-20.32	
	<i>For >50, Deduct</i>	-30.05	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16	13-0022	EA 9" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	496.49 184.38 235.09 -11.00 -21.10 -31.21	23.70
10 71	16	13-0023	EA 9" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	516.93 191.47 235.09 -11.49 -22.02 -32.55	25.52
10 71	16	13-0024	EA 9" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	535.31 198.55 235.09 -11.87 -22.78 -33.68	25.96
10 71	16	13-0025	EA 12" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	342.89 130.09 235.09 -7.39 -14.33 -21.28	11.78
10 71	16	13-0026	EA 12" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	370.92 139.54 235.09 -8.08 -15.61 -23.14	14.73
10 71	16	13-0027	EA 12" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	398.93 148.98 235.09 -8.77 -16.88 -25.00	17.67
10 71	16	13-0028	EA 12" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	424.30 158.42 235.09 -9.33 -17.96 -26.59	18.85
10 71	16	13-0029	EA 12" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	451.95 167.86 235.09 -10.01 -19.21 -28.41	21.54
10 71	16	13-0030	EA 12" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	479.59 177.30 235.09 -10.68 -20.46 -30.23	24.24
10 71	16	13-0031	EA 12" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	507.24 186.75 235.09 -11.36 -21.70 -32.05	26.93
10 71	16	13-0032	EA 12" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	532.66 196.19 235.09 -11.92 -22.78 -33.65	28.14
10 71	16	13-0033	EA 12" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	560.10 205.63 235.09 -12.58 -24.01 -35.45	30.70
10 71	16	13-0034	EA 12" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	585.04 215.07 235.09 -13.12 -25.06 -37.00	31.59
10 71	16	13-0035	EA 12" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	612.29 224.52 235.09 -13.78 -26.28 -38.78	34.02

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0036	EA		12" Wide x 90" High, Architectural Aluminum Bahama Shutter	636.80	34.62
			<i>For Impact Bahama Shutters, Add</i>	233.96	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	235.09	
			<i>For >10 To 25, Deduct</i>	-14.29	
			<i>For >25 To 50, Deduct</i>	-27.29	
			<i>For >50, Deduct</i>	-40.28	
10 71 16 13-0037	EA		16" Wide x 24" High, Architectural Aluminum Bahama Shutter	380.25	15.71
			<i>For Impact Bahama Shutters, Add</i>	142.68	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-8.31	
			<i>For >25 To 50, Deduct</i>	-16.03	
			<i>For >50, Deduct</i>	-23.76	
10 71 16 13-0038	EA		16" Wide x 30" High, Architectural Aluminum Bahama Shutter	417.60	19.63
			<i>For Impact Bahama Shutters, Add</i>	155.27	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-9.23	
			<i>For >25 To 50, Deduct</i>	-17.73	
			<i>For >50, Deduct</i>	-26.23	
10 71 16 13-0039	EA		16" Wide x 36" High, Architectural Aluminum Bahama Shutter	454.96	23.55
			<i>For Impact Bahama Shutters, Add</i>	167.86	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-10.16	
			<i>For >25 To 50, Deduct</i>	-19.43	
			<i>For >50, Deduct</i>	-28.71	
10 71 16 13-0040	EA		16" Wide x 42" High, Architectural Aluminum Bahama Shutter	488.80	25.12
			<i>For Impact Bahama Shutters, Add</i>	180.45	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-10.91	
			<i>For >25 To 50, Deduct</i>	-20.87	
			<i>For >50, Deduct</i>	-30.83	
10 71 16 13-0041	EA		16" Wide x 48" High, Architectural Aluminum Bahama Shutter	525.65	28.72
			<i>For Impact Bahama Shutters, Add</i>	193.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-11.80	
			<i>For >25 To 50, Deduct</i>	-22.53	
			<i>For >50, Deduct</i>	-33.26	
10 71 16 13-0042	EA		16" Wide x 54" High, Architectural Aluminum Bahama Shutter	562.51	32.30
			<i>For Impact Bahama Shutters, Add</i>	205.63	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-12.70	
			<i>For >25 To 50, Deduct</i>	-24.20	
			<i>For >50, Deduct</i>	-35.69	
10 71 16 13-0043	EA		16" Wide x 60" High, Architectural Aluminum Bahama Shutter	599.36	35.89
			<i>For Impact Bahama Shutters, Add</i>	218.22	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-13.60	
			<i>For >25 To 50, Deduct</i>	-25.86	
			<i>For >50, Deduct</i>	-38.11	
10 71 16 13-0044	EA		16" Wide x 66" High, Architectural Aluminum Bahama Shutter	633.24	37.50
			<i>For Impact Bahama Shutters, Add</i>	230.81	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-14.35	
			<i>For >25 To 50, Deduct</i>	-27.30	
			<i>For >50, Deduct</i>	-40.24	
10 71 16 13-0045	EA		16" Wide x 72" High, Architectural Aluminum Bahama Shutter	669.85	40.92
			<i>For Impact Bahama Shutters, Add</i>	243.40	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-15.24	
			<i>For >25 To 50, Deduct</i>	-28.94	
			<i>For >50, Deduct</i>	-42.65	
10 71 16 13-0046	EA		16" Wide x 78" High, Architectural Aluminum Bahama Shutter	703.11	42.11
			<i>For Impact Bahama Shutters, Add</i>	255.99	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-15.96	
			<i>For >25 To 50, Deduct</i>	-30.33	
			<i>For >50, Deduct</i>	-44.71	
10 71 16 13-0047	EA		16" Wide x 84" High, Architectural Aluminum Bahama Shutter	739.44	45.35
			<i>For Impact Bahama Shutters, Add</i>	268.58	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-16.83	
			<i>For >25 To 50, Deduct</i>	-31.96	
			<i>For >50, Deduct</i>	-47.09	
10 71 16 13-0048	EA		16" Wide x 90" High, Architectural Aluminum Bahama Shutter	901.95	46.16
			<i>For Impact Bahama Shutters, Add</i>	333.10	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-20.12	
			<i>For >25 To 50, Deduct</i>	-38.50	
			<i>For >50, Deduct</i>	-56.89	
10 71 16 13-0049	EA		20" Wide x 24" High, Architectural Aluminum Bahama Shutter	417.60	19.63
			<i>For Impact Bahama Shutters, Add</i>	155.27	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-9.23	
			<i>For >25 To 50, Deduct</i>	-17.73	
			<i>For >50, Deduct</i>	-26.23	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16	13-0050	EA 20" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	464.30 171.01 259.29 -10.39 -19.86 -29.33	24.53
10 71	16	13-0051	EA 20" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	511.02 186.75 259.29 -11.54 -21.99 -32.43	29.43
10 71	16	13-0052	EA 20" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	553.30 202.48 259.29 -12.48 -23.78 -35.08	31.40
10 71	16	13-0053	EA 20" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	599.35 218.22 259.29 -13.60 -25.86 -38.11	35.88
10 71	16	13-0054	EA 20" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	645.42 233.96 259.29 -14.72 -27.94 -41.15	40.38
10 71	16	13-0055	EA 20" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	691.50 249.70 259.29 -15.85 -30.01 -44.18	44.86
10 71	16	13-0056	EA 20" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	733.85 265.43 259.29 -16.79 -31.81 -46.84	46.88
10 71	16	13-0057	EA 20" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	779.59 281.17 259.29 -17.89 -33.87 -49.84	51.15
10 71	16	13-0058	EA 20" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	821.17 296.90 259.29 -18.79 -35.61 -52.43	52.63
10 71	16	13-0059	EA 20" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	866.59 312.64 259.29 -19.88 -37.64 -55.39	56.68
10 71	16	13-0060	EA 20" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	907.45 328.38 259.29 -20.74 -39.33 -57.91	57.69
10 71	16	13-0061	EA 24" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	454.96 167.86 259.29 -10.16 -19.43 -28.71	23.55
10 71	16	13-0062	EA 24" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	511.03 186.75 259.29 -11.55 -21.99 -32.43	29.45
10 71	16	13-0063	EA 24" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	567.06 205.63 259.29 -12.93 -24.54 -36.14	35.35

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0064	EA	24" Wide x 42" High, Architectural Aluminum Bahama Shutter	617.82	37.70
			<i>For Impact Bahama Shutters, Add</i>	224.52	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-14.05	
			<i>For >25 To 50, Deduct</i>	-26.69	
			<i>For >50, Deduct</i>	-39.33	
10 71 16	13-0065	EA	24" Wide x 48" High, Architectural Aluminum Bahama Shutter	673.09	43.08
			<i>For Impact Bahama Shutters, Add</i>	243.40	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-15.40	
			<i>For >25 To 50, Deduct</i>	-29.18	
			<i>For >50, Deduct</i>	-42.97	
10 71 16	13-0066	EA	24" Wide x 54" High, Architectural Aluminum Bahama Shutter	728.37	48.47
			<i>For Impact Bahama Shutters, Add</i>	262.28	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-16.75	
			<i>For >25 To 50, Deduct</i>	-31.68	
			<i>For >50, Deduct</i>	-46.61	
10 71 16	13-0067	EA	24" Wide x 60" High, Architectural Aluminum Bahama Shutter	783.65	53.85
			<i>For Impact Bahama Shutters, Add</i>	281.17	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-18.09	
			<i>For >25 To 50, Deduct</i>	-34.17	
			<i>For >50, Deduct</i>	-50.25	
10 71 16	13-0068	EA	24" Wide x 66" High, Architectural Aluminum Bahama Shutter	834.50	56.28
			<i>For Impact Bahama Shutters, Add</i>	300.05	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-19.22	
			<i>For >25 To 50, Deduct</i>	-36.33	
			<i>For >50, Deduct</i>	-53.44	
10 71 16	13-0069	EA	24" Wide x 72" High, Architectural Aluminum Bahama Shutter	889.39	61.39
			<i>For Impact Bahama Shutters, Add</i>	318.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-20.55	
			<i>For >25 To 50, Deduct</i>	-38.80	
			<i>For >50, Deduct</i>	-57.05	
10 71 16	13-0070	EA	24" Wide x 78" High, Architectural Aluminum Bahama Shutter	939.28	63.19
			<i>For Impact Bahama Shutters, Add</i>	337.82	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-21.63	
			<i>For >25 To 50, Deduct</i>	-40.89	
			<i>For >50, Deduct</i>	-60.15	
10 71 16	13-0071	EA	24" Wide x 84" High, Architectural Aluminum Bahama Shutter	993.79	68.05
			<i>For Impact Bahama Shutters, Add</i>	356.71	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-22.94	
			<i>For >25 To 50, Deduct</i>	-43.32	
			<i>For >50, Deduct</i>	-63.71	
10 71 16	13-0072	EA	24" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,042.82	69.27
			<i>For Impact Bahama Shutters, Add</i>	375.59	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	259.29	
			<i>For >10 To 25, Deduct</i>	-23.97	
			<i>For >25 To 50, Deduct</i>	-45.35	
			<i>For >50, Deduct</i>	-66.72	
10 71 16	13-0073	EA	28" Wide x 24" High, Architectural Aluminum Bahama Shutter	486.44	23.55
			<i>For Impact Bahama Shutters, Add</i>	180.45	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-10.79	
			<i>For >25 To 50, Deduct</i>	-20.69	
			<i>For >50, Deduct</i>	-30.60	
10 71 16	13-0074	EA	28" Wide x 30" High, Architectural Aluminum Bahama Shutter	557.71	34.36
			<i>For Impact Bahama Shutters, Add</i>	202.48	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-12.70	
			<i>For >25 To 50, Deduct</i>	-24.11	
			<i>For >50, Deduct</i>	-35.52	
10 71 16	13-0075	EA	28" Wide x 36" High, Architectural Aluminum Bahama Shutter	623.09	41.23
			<i>For Impact Bahama Shutters, Add</i>	224.52	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-14.32	
			<i>For >25 To 50, Deduct</i>	-27.09	
			<i>For >50, Deduct</i>	-39.86	
10 71 16	13-0076	EA	28" Wide x 42" High, Architectural Aluminum Bahama Shutter	682.30	43.97
			<i>For Impact Bahama Shutters, Add</i>	246.55	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-15.62	
			<i>For >25 To 50, Deduct</i>	-29.60	
			<i>For >50, Deduct</i>	-43.58	
10 71 16	13-0077	EA	28" Wide x 48" High, Architectural Aluminum Bahama Shutter	746.80	50.25
			<i>For Impact Bahama Shutters, Add</i>	268.58	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-17.20	
			<i>For >25 To 50, Deduct</i>	-32.51	
			<i>For >50, Deduct</i>	-47.82	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16	13-0078	EA 28" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	811.29 290.61 283.50 -18.77 -35.42 -52.07	56.54
10 71	16	13-0079	EA 28" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	875.79 312.64 283.50 -20.34 -38.33 -56.31	62.82
10 71	16	13-0080	EA 28" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	935.11 334.68 283.50 -21.65 -40.85 -60.04	65.64
10 71	16	13-0081	EA 28" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	999.14 356.71 283.50 -23.20 -43.72 -64.24	71.62
10 71	16	13-0082	EA 28" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,057.35 378.74 283.50 -24.46 -46.16 -67.86	73.70
10 71	16	13-0083	EA 28" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,120.91 400.77 283.50 -25.99 -49.00 -72.01	79.37
10 71	16	13-0084	EA 28" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,178.12 422.80 283.50 -27.20 -51.36 -75.53	80.78
10 71	16	13-0085	EA 32" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	529.70 193.04 283.50 -12.01 -22.84 -33.67	31.42
10 71	16	13-0086	EA 32" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	604.43 218.22 283.50 -13.86 -26.24 -38.62	39.26
10 71	16	13-0087	EA 32" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	679.15 243.40 283.50 -15.70 -29.64 -43.58	47.12
10 71	16	13-0088	EA 32" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	746.80 268.58 283.50 -17.20 -32.51 -47.82	50.25
10 71	16	13-0089	EA 32" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	820.52 293.76 283.50 -18.99 -35.84 -52.68	57.43
10 71	16	13-0090	EA 32" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	894.23 318.94 283.50 -20.79 -39.16 -57.53	64.63
10 71	16	13-0091	EA 32" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	967.94 344.12 283.50 -22.59 -42.49 -62.38	71.81

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0092	EA		32" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,035.74	75.04
			<i>For Impact Bahama Shutters, Add</i>	369.30	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-24.09	
			<i>For >25 To 50, Deduct</i>	-45.37	
			<i>For >50, Deduct</i>	-66.64	
10 71 16 13-0093	EA		32" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,108.91	81.85
			<i>For Impact Bahama Shutters, Add</i>	394.48	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-25.86	
			<i>For >25 To 50, Deduct</i>	-48.65	
			<i>For >50, Deduct</i>	-71.44	
10 71 16 13-0094	EA		32" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,175.44	84.24
			<i>For Impact Bahama Shutters, Add</i>	419.66	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-27.30	
			<i>For >25 To 50, Deduct</i>	-51.44	
			<i>For >50, Deduct</i>	-75.58	
10 71 16 13-0095	EA		32" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,248.09	90.72
			<i>For Impact Bahama Shutters, Add</i>	444.83	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-29.04	
			<i>For >25 To 50, Deduct</i>	-54.68	
			<i>For >50, Deduct</i>	-80.33	
10 71 16 13-0096	EA		32" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,313.47	92.34
			<i>For Impact Bahama Shutters, Add</i>	470.01	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-30.42	
			<i>For >25 To 50, Deduct</i>	-57.38	
			<i>For >50, Deduct</i>	-84.35	
10 71 16 13-0097	EA		36" Wide x 24" High, Architectural Aluminum Bahama Shutter	567.06	35.35
			<i>For Impact Bahama Shutters, Add</i>	205.63	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-12.93	
			<i>For >25 To 50, Deduct</i>	-24.54	
			<i>For >50, Deduct</i>	-36.14	
10 71 16 13-0098	EA		36" Wide x 30" High, Architectural Aluminum Bahama Shutter	651.12	44.18
			<i>For Impact Bahama Shutters, Add</i>	233.96	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-15.01	
			<i>For >25 To 50, Deduct</i>	-28.36	
			<i>For >50, Deduct</i>	-41.72	
10 71 16 13-0099	EA		36" Wide x 36" High, Architectural Aluminum Bahama Shutter	735.18	53.02
			<i>For Impact Bahama Shutters, Add</i>	262.28	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-17.09	
			<i>For >25 To 50, Deduct</i>	-32.19	
			<i>For >50, Deduct</i>	-47.29	
10 71 16 13-0100	EA		36" Wide x 42" High, Architectural Aluminum Bahama Shutter	811.31	56.55
			<i>For Impact Bahama Shutters, Add</i>	290.61	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-18.77	
			<i>For >25 To 50, Deduct</i>	-35.42	
			<i>For >50, Deduct</i>	-52.07	
10 71 16 13-0101	EA		36" Wide x 48" High, Architectural Aluminum Bahama Shutter	894.23	64.63
			<i>For Impact Bahama Shutters, Add</i>	318.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-20.79	
			<i>For >25 To 50, Deduct</i>	-39.16	
			<i>For >50, Deduct</i>	-57.53	
10 71 16 13-0102	EA		36" Wide x 54" High, Architectural Aluminum Bahama Shutter	977.16	72.71
			<i>For Impact Bahama Shutters, Add</i>	347.26	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-22.81	
			<i>For >25 To 50, Deduct</i>	-42.90	
			<i>For >50, Deduct</i>	-62.99	
10 71 16 13-0103	EA		36" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,060.09	80.78
			<i>For Impact Bahama Shutters, Add</i>	375.59	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-24.84	
			<i>For >25 To 50, Deduct</i>	-46.64	
			<i>For >50, Deduct</i>	-68.45	
10 71 16 13-0104	EA		36" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,136.35	84.42
			<i>For Impact Bahama Shutters, Add</i>	403.92	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-26.52	
			<i>For >25 To 50, Deduct</i>	-49.88	
			<i>For >50, Deduct</i>	-73.24	
10 71 16 13-0105	EA		36" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,218.67	92.09
			<i>For Impact Bahama Shutters, Add</i>	432.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	283.50	
			<i>For >10 To 25, Deduct</i>	-28.52	
			<i>For >25 To 50, Deduct</i>	-53.58	
			<i>For >50, Deduct</i>	-78.64	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0106 EA 36" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,293.51 460.57 283.50 -30.13 -56.71 -83.29	94.77
10 71 16 13-0107 EA 36" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,375.25 488.90 283.50 -32.10 -60.37 -88.64	102.07
10 71 16 13-0108 EA 36" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,448.81 577.22 283.50 -33.65 -63.40 -93.16	103.89
10 71 16 13-0109 >36" To 60" Wide <small>(10 71 16 13-0011)</small>		
10 71 16 13-0110 EA 42" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	618.16 224.52 308.35 -14.07 -26.72 -39.36	37.93
10 71 16 13-0111 EA 42" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	715.00 257.56 308.35 -16.43 -31.09 -45.74	47.42
10 71 16 13-0112 EA 42" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	811.83 290.61 308.35 -18.80 -35.46 -52.12	56.89
10 71 16 13-0113 EA 42" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	900.15 323.66 308.35 -20.73 -39.19 -57.65	60.70
10 71 16 13-0114 EA 42" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	995.76 356.71 308.35 -23.03 -43.47 -63.91	69.37
10 71 16 13-0115 EA 42" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,091.38 389.76 308.35 -25.34 -47.75 -70.16	78.04
10 71 16 13-0116 EA 42" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,186.99 422.80 308.35 -27.64 -52.03 -76.42	86.71
10 71 16 13-0117 EA 42" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,275.47 455.85 308.35 -29.58 -55.77 -81.96	90.61
10 71 16 13-0118 EA 42" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,370.43 488.90 308.35 -31.85 -60.00 -88.15	98.84
10 71 16 13-0119 EA 42" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,457.37 521.94 308.35 -33.72 -63.63 -93.54	101.72

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0120	EA	42" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,551.72	109.56
			<i>For Impact Bahama Shutters, Add</i>	554.99	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-35.96	
			<i>For >25 To 50, Deduct</i>	-67.82	
			<i>For >50, Deduct</i>	-99.67	
10 71 16	13-0121	EA	42" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,637.26	111.51
			<i>For Impact Bahama Shutters, Add</i>	588.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-37.76	
			<i>For >25 To 50, Deduct</i>	-71.34	
			<i>For >50, Deduct</i>	-104.92	
10 71 16	13-0122	EA	48" Wide x 24" High, Architectural Aluminum Bahama Shutter	673.50	43.34
			<i>For Impact Bahama Shutters, Add</i>	243.40	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-15.42	
			<i>For >25 To 50, Deduct</i>	-29.22	
			<i>For >50, Deduct</i>	-43.01	
10 71 16	13-0123	EA	48" Wide x 30" High, Architectural Aluminum Bahama Shutter	784.16	54.19
			<i>For Impact Bahama Shutters, Add</i>	281.17	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-18.12	
			<i>For >25 To 50, Deduct</i>	-34.21	
			<i>For >50, Deduct</i>	-50.30	
10 71 16	13-0124	EA	48" Wide x 36" High, Architectural Aluminum Bahama Shutter	894.83	65.02
			<i>For Impact Bahama Shutters, Add</i>	318.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-20.82	
			<i>For >25 To 50, Deduct</i>	-39.21	
			<i>For >50, Deduct</i>	-57.59	
10 71 16	13-0125	EA	48" Wide x 42" High, Architectural Aluminum Bahama Shutter	995.76	69.37
			<i>For Impact Bahama Shutters, Add</i>	356.71	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-23.03	
			<i>For >25 To 50, Deduct</i>	-43.47	
			<i>For >50, Deduct</i>	-63.91	
10 71 16	13-0126	EA	48" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,105.05	79.27
			<i>For Impact Bahama Shutters, Add</i>	394.48	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-25.67	
			<i>For >25 To 50, Deduct</i>	-48.36	
			<i>For >50, Deduct</i>	-71.06	
10 71 16	13-0127	EA	48" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,214.31	89.19
			<i>For Impact Bahama Shutters, Add</i>	432.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-28.30	
			<i>For >25 To 50, Deduct</i>	-53.25	
			<i>For >50, Deduct</i>	-78.21	
10 71 16	13-0128	EA	48" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,323.58	99.09
			<i>For Impact Bahama Shutters, Add</i>	470.01	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-30.93	
			<i>For >25 To 50, Deduct</i>	-58.14	
			<i>For >50, Deduct</i>	-85.36	
10 71 16	13-0129	EA	48" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,424.70	103.54
			<i>For Impact Bahama Shutters, Add</i>	507.78	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-33.15	
			<i>For >25 To 50, Deduct</i>	-62.42	
			<i>For >50, Deduct</i>	-91.69	
10 71 16	13-0130	EA	48" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,533.23	112.95
			<i>For Impact Bahama Shutters, Add</i>	545.55	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-35.75	
			<i>For >25 To 50, Deduct</i>	-67.26	
			<i>For >50, Deduct</i>	-98.77	
10 71 16	13-0131	EA	48" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,632.60	116.26
			<i>For Impact Bahama Shutters, Add</i>	583.32	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-37.88	
			<i>For >25 To 50, Deduct</i>	-71.40	
			<i>For >50, Deduct</i>	-104.93	
10 71 16	13-0132	EA	48" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,740.43	125.19
			<i>For Impact Bahama Shutters, Add</i>	621.09	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-40.44	
			<i>For >25 To 50, Deduct</i>	-76.19	
			<i>For >50, Deduct</i>	-111.93	
10 71 16	13-0133	EA	48" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,838.19	127.43
			<i>For Impact Bahama Shutters, Add</i>	658.86	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	308.35	
			<i>For >10 To 25, Deduct</i>	-42.50	
			<i>For >25 To 50, Deduct</i>	-80.21	
			<i>For >50, Deduct</i>	-117.93	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0134	EA	54" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	728.82 262.28 334.47 -16.77 -31.71 -46.65	48.77
10 71 16	13-0135	EA	54" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	853.34 304.78 334.47 -19.81 -37.33 -54.86	60.96
10 71 16	13-0136	EA	54" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	977.84 347.26 334.47 -22.85 -42.95 -63.06	73.15
10 71 16	13-0137	EA	54" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,091.38 389.76 334.47 -25.34 -47.75 -70.16	78.04
10 71 16	13-0138	EA	54" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,214.31 432.24 334.47 -28.30 -53.25 -78.21	89.19
10 71 16	13-0139	EA	54" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,337.26 474.74 334.47 -31.26 -58.76 -86.25	100.33
10 71 16	13-0140	EA	54" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,460.19 517.22 334.47 -34.22 -64.26 -94.30	111.48
10 71 16	13-0141	EA	54" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,573.94 559.72 334.47 -36.72 -69.07 -101.42	116.49
10 71 16	13-0142	EA	54" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,696.04 602.20 334.47 -39.64 -74.51 -109.38	127.09
10 71 16	13-0143	EA	54" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,807.82 644.70 334.47 -42.04 -79.18 -116.31	130.78
10 71 16	13-0144	EA	54" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,929.13 687.18 334.47 -44.92 -84.56 -124.19	140.85
10 71 16	13-0145	EA	54" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,039.12 729.68 334.47 -47.23 -89.09 -130.94	143.37
10 71 16	13-0146	EA	54" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,150.51 772.16 334.47 -49.61 -93.72 -137.83	146.79
10 71 16	13-0147	EA	54" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,261.14 814.66 334.47 -51.96 -98.30 -144.65	149.73

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 71 16 13-0148	EA	54" Wide x 108" High, Architectural Aluminum Bahama Shutter	2,371.06		152.21
		<i>For Impact Bahama Shutters, Add</i>	857.14		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-54.27		
		<i>For >25 To 50, Deduct</i>	-102.83		
		<i>For >50, Deduct</i>	-151.39		
10 71 16 13-0149	EA	54" Wide x 114" High, Architectural Aluminum Bahama Shutter	2,480.33		154.23
		<i>For Impact Bahama Shutters, Add</i>	899.64		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-56.54		
		<i>For >25 To 50, Deduct</i>	-107.31		
		<i>For >50, Deduct</i>	-158.07		
10 71 16 13-0150	EA	54" Wide x 120" High, Architectural Aluminum Bahama Shutter	2,588.98		155.87
		<i>For Impact Bahama Shutters, Add</i>	942.12		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-58.79		
		<i>For >25 To 50, Deduct</i>	-111.74		
		<i>For >50, Deduct</i>	-164.69		
10 71 16 13-0151	EA	60" Wide x 24" High, Architectural Aluminum Bahama Shutter	784.16		54.19
		<i>For Impact Bahama Shutters, Add</i>	281.17		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-18.12		
		<i>For >25 To 50, Deduct</i>	-34.21		
		<i>For >50, Deduct</i>	-50.30		
10 71 16 13-0152	EA	60" Wide x 30" High, Architectural Aluminum Bahama Shutter	922.50		67.74
		<i>For Impact Bahama Shutters, Add</i>	328.38		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-21.50		
		<i>For >25 To 50, Deduct</i>	-40.45		
		<i>For >50, Deduct</i>	-59.41		
10 71 16 13-0153	EA	60" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,060.85		81.28
		<i>For Impact Bahama Shutters, Add</i>	375.59		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-24.87		
		<i>For >25 To 50, Deduct</i>	-46.70		
		<i>For >50, Deduct</i>	-68.53		
10 71 16 13-0154	EA	60" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,186.99		86.71
		<i>For Impact Bahama Shutters, Add</i>	422.80		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-27.64		
		<i>For >25 To 50, Deduct</i>	-52.03		
		<i>For >50, Deduct</i>	-76.42		
10 71 16 13-0155	EA	60" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,323.58		99.09
		<i>For Impact Bahama Shutters, Add</i>	470.01		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-30.93		
		<i>For >25 To 50, Deduct</i>	-58.14		
		<i>For >50, Deduct</i>	-85.36		
10 71 16 13-0156	EA	60" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,460.19		111.48
		<i>For Impact Bahama Shutters, Add</i>	517.22		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-34.22		
		<i>For >25 To 50, Deduct</i>	-64.26		
		<i>For >50, Deduct</i>	-94.30		
10 71 16 13-0157	EA	60" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,596.79		123.86
		<i>For Impact Bahama Shutters, Add</i>	564.44		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-37.51		
		<i>For >25 To 50, Deduct</i>	-70.37		
		<i>For >50, Deduct</i>	-103.24		
10 71 16 13-0158	EA	60" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,723.17		129.44
		<i>For Impact Bahama Shutters, Add</i>	611.65		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-40.28		
		<i>For >25 To 50, Deduct</i>	-75.72		
		<i>For >50, Deduct</i>	-111.15		
10 71 16 13-0159	EA	60" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,858.84		141.20
		<i>For Impact Bahama Shutters, Add</i>	658.86		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-43.53		
		<i>For >25 To 50, Deduct</i>	-81.76		
		<i>For >50, Deduct</i>	-120.00		
10 71 16 13-0160	EA	60" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,983.04		145.32
		<i>For Impact Bahama Shutters, Add</i>	706.07		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-46.20		
		<i>For >25 To 50, Deduct</i>	-86.95		
		<i>For >50, Deduct</i>	-127.70		
10 71 16 13-0161	EA	60" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,117.83		156.49
		<i>For Impact Bahama Shutters, Add</i>	753.28		
		<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	334.47		
		<i>For >10 To 25, Deduct</i>	-49.40		
		<i>For >25 To 50, Deduct</i>	-92.93		
		<i>For >50, Deduct</i>	-136.46		



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0162	EA	60" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,240.05 800.49 334.47 -51.97 -97.96 -143.96	159.30
10 71 16	13-0163	EA	60" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,363.80 847.70 334.47 -54.61 -103.11 -151.61	163.12
10 71 16	13-0164	EA	60" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,486.72 894.91 334.47 -57.22 -108.20 -159.18	166.38
10 71 16	13-0165	EA	60" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,608.86 942.12 334.47 -59.78 -113.23 -166.67	169.12
10 71 16	13-0166	EA	60" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,730.27 989.34 334.47 -62.31 -118.20 -174.09	171.37
10 71 16	13-0167	EA	60" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,851.01 1,036.55 334.47 -64.81 -123.13 -181.45	173.18
10 71 16	13-0168		>60" To 90" Wide <small>(10 71 16 13-0011)</small>		
10 71 16	13-0169	EA	66" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	835.02 300.05 359.31 -19.25 -36.37 -53.50	56.63
10 71 16	13-0170	EA	66" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	986.09 351.98 359.31 -22.91 -43.16 -63.41	70.78
10 71 16	13-0171	EA	66" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,137.14 403.92 359.31 -26.56 -49.94 -73.32	84.95
10 71 16	13-0172	EA	66" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,275.47 455.85 359.31 -29.58 -55.77 -81.96	90.61
10 71 16	13-0173	EA	66" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,424.70 507.78 359.31 -33.15 -62.42 -91.69	103.54
10 71 16	13-0174	EA	66" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,573.94 559.72 359.31 -36.72 -69.07 -101.42	116.49
10 71 16	13-0175	EA	66" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,723.17 611.65 359.31 -40.28 -75.72 -111.15	129.44

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0176	EA	66" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,861.73	135.27
			<i>For Impact Bahama Shutters, Add</i>	663.58	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-43.32	
			<i>For >25 To 50, Deduct</i>	-81.57	
			<i>For >50, Deduct</i>	-119.82	
10 71 16	13-0177	EA	66" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,010.01	147.56
			<i>For Impact Bahama Shutters, Add</i>	715.51	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-46.84	
			<i>For >25 To 50, Deduct</i>	-88.14	
			<i>For >50, Deduct</i>	-129.45	
10 71 16	13-0178	EA	66" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,146.28	151.86
			<i>For Impact Bahama Shutters, Add</i>	767.44	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-49.76	
			<i>For >25 To 50, Deduct</i>	-93.82	
			<i>For >50, Deduct</i>	-137.88	
10 71 16	13-0179	EA	66" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,293.63	163.54
			<i>For Impact Bahama Shutters, Add</i>	819.38	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-53.23	
			<i>For >25 To 50, Deduct</i>	-100.33	
			<i>For >50, Deduct</i>	-147.43	
10 71 16	13-0180	EA	66" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,427.85	166.46
			<i>For Impact Bahama Shutters, Add</i>	871.31	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-56.04	
			<i>For >25 To 50, Deduct</i>	-105.85	
			<i>For >50, Deduct</i>	-155.65	
10 71 16	13-0181	EA	66" Wide x 96" High, Architectural Aluminum Bahama Shutter	2,563.66	170.46
			<i>For Impact Bahama Shutters, Add</i>	923.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-58.94	
			<i>For >25 To 50, Deduct</i>	-111.49	
			<i>For >50, Deduct</i>	-164.04	
10 71 16	13-0182	EA	66" Wide x 102" High, Architectural Aluminum Bahama Shutter	2,698.59	173.86
			<i>For Impact Bahama Shutters, Add</i>	975.17	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-61.79	
			<i>For >25 To 50, Deduct</i>	-117.07	
			<i>For >50, Deduct</i>	-172.34	
10 71 16	13-0183	EA	66" Wide x 108" High, Architectural Aluminum Bahama Shutter	2,832.72	176.73
			<i>For Impact Bahama Shutters, Add</i>	1,027.10	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-64.60	
			<i>For >25 To 50, Deduct</i>	-122.58	
			<i>For >50, Deduct</i>	-180.56	
10 71 16	13-0184	EA	66" Wide x 114" High, Architectural Aluminum Bahama Shutter	2,966.08	179.09
			<i>For Impact Bahama Shutters, Add</i>	1,079.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-67.38	
			<i>For >25 To 50, Deduct</i>	-128.04	
			<i>For >50, Deduct</i>	-188.70	
10 71 16	13-0185	EA	66" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,098.74	180.97
			<i>For Impact Bahama Shutters, Add</i>	1,130.97	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-70.11	
			<i>For >25 To 50, Deduct</i>	-133.45	
			<i>For >50, Deduct</i>	-196.78	
10 71 16	13-0186	EA	72" Wide x 24" High, Architectural Aluminum Bahama Shutter	889.96	61.78
			<i>For Impact Bahama Shutters, Add</i>	318.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-20.58	
			<i>For >25 To 50, Deduct</i>	-38.84	
			<i>For >50, Deduct</i>	-57.10	
10 71 16	13-0187	EA	72" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,054.75	77.21
			<i>For Impact Bahama Shutters, Add</i>	375.59	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-24.57	
			<i>For >25 To 50, Deduct</i>	-46.24	
			<i>For >50, Deduct</i>	-67.92	
10 71 16	13-0188	EA	72" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,219.54	92.67
			<i>For Impact Bahama Shutters, Add</i>	432.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-28.56	
			<i>For >25 To 50, Deduct</i>	-53.64	
			<i>For >50, Deduct</i>	-78.73	
10 71 16	13-0189	EA	72" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,370.43	98.84
			<i>For Impact Bahama Shutters, Add</i>	488.90	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.31	
			<i>For >10 To 25, Deduct</i>	-31.85	
			<i>For >25 To 50, Deduct</i>	-60.00	
			<i>For >50, Deduct</i>	-88.15	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16	13-0190	EA 72" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,533.23 545.55 359.31 -35.75 -67.26 -98.77	112.95
10 71	16	13-0191	EA 72" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,696.04 602.20 359.31 -39.64 -74.51 -109.38	127.09
10 71	16	13-0192	EA 72" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,858.84 658.86 359.31 -43.53 -81.76 -120.00	141.20
10 71	16	13-0193	EA 72" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,010.01 715.51 359.31 -46.84 -88.14 -129.45	147.56
10 71	16	13-0194	EA 72" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,171.74 772.16 359.31 -50.67 -95.32 -139.96	160.97
10 71	16	13-0195	EA 72" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,330.91 833.02 359.31 -54.07 -101.93 -149.79	165.67
10 71	16	13-0196	EA 72" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,481.15 885.47 359.31 -57.65 -108.61 -159.57	178.41
10 71	16	13-0197	EA 72" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,627.56 942.12 359.31 -60.72 -114.63 -168.54	181.59
10 71	16	13-0198	EA 72" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,775.73 998.78 359.31 -63.88 -120.79 -177.70	185.96
10 71	16	13-0199	EA 72" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,922.94 1,055.43 359.31 -66.99 -126.87 -186.75	189.67
10 71	16	13-0200	EA 72" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,069.26 1,112.08 359.31 -70.06 -132.89 -195.72	192.79
10 71	16	13-0201	EA 72" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,214.75 1,168.74 359.31 -73.08 -138.84 -204.60	195.38
10 71	16	13-0202	EA 72" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,359.47 1,225.39 359.31 -76.07 -144.74 -213.41	197.43
10 71	16	13-0203	EA 78" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	944.88 337.82 386.72 -21.91 -41.31 -60.71	66.93

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0204	EA	78" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,123.41	83.66
			<i>For Impact Bahama Shutters, Add</i>	399.20	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-26.23	
			<i>For >25 To 50, Deduct</i>	-49.33	
			<i>For >50, Deduct</i>	-72.42	
10 71 16	13-0205	EA	78" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,301.93	100.38
			<i>For Impact Bahama Shutters, Add</i>	460.57	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-30.55	
			<i>For >25 To 50, Deduct</i>	-57.34	
			<i>For >50, Deduct</i>	-84.14	
10 71 16	13-0206	EA	78" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,465.40	107.07
			<i>For Impact Bahama Shutters, Add</i>	521.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-34.12	
			<i>For >25 To 50, Deduct</i>	-64.23	
			<i>For >50, Deduct</i>	-94.35	
10 71 16	13-0207	EA	78" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,641.76	122.37
			<i>For Impact Bahama Shutters, Add</i>	583.32	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-38.34	
			<i>For >25 To 50, Deduct</i>	-72.09	
			<i>For >50, Deduct</i>	-105.84	
10 71 16	13-0208	EA	78" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,818.15	137.67
			<i>For Impact Bahama Shutters, Add</i>	644.70	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-42.56	
			<i>For >25 To 50, Deduct</i>	-79.95	
			<i>For >50, Deduct</i>	-117.35	
10 71 16	13-0209	EA	78" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,994.51	152.96
			<i>For Impact Bahama Shutters, Add</i>	706.07	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-46.77	
			<i>For >25 To 50, Deduct</i>	-87.81	
			<i>For >50, Deduct</i>	-128.84	
10 71 16	13-0210	EA	78" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,158.27	159.85
			<i>For Impact Bahama Shutters, Add</i>	767.44	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-50.36	
			<i>For >25 To 50, Deduct</i>	-94.72	
			<i>For >50, Deduct</i>	-139.08	
10 71 16	13-0211	EA	78" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,333.49	174.39
			<i>For Impact Bahama Shutters, Add</i>	828.82	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-54.51	
			<i>For >25 To 50, Deduct</i>	-102.49	
			<i>For >50, Deduct</i>	-150.47	
10 71 16	13-0212	EA	78" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,494.55	179.47
			<i>For Impact Bahama Shutters, Add</i>	890.19	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-57.96	
			<i>For >25 To 50, Deduct</i>	-109.20	
			<i>For >50, Deduct</i>	-160.44	
10 71 16	13-0213	EA	78" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,668.69	193.28
			<i>For Impact Bahama Shutters, Add</i>	951.57	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-62.07	
			<i>For >25 To 50, Deduct</i>	-116.89	
			<i>For >50, Deduct</i>	-171.71	
10 71 16	13-0214	EA	78" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,827.29	196.73
			<i>For Impact Bahama Shutters, Add</i>	1,012.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-65.39	
			<i>For >25 To 50, Deduct</i>	-123.41	
			<i>For >50, Deduct</i>	-181.44	
10 71 16	13-0215	EA	78" Wide x 96" High, Architectural Aluminum Bahama Shutter	2,987.81	201.45
			<i>For Impact Bahama Shutters, Add</i>	1,074.32	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-68.82	
			<i>For >25 To 50, Deduct</i>	-130.08	
			<i>For >50, Deduct</i>	-191.35	
10 71 16	13-0216	EA	78" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,147.28	205.48
			<i>For Impact Bahama Shutters, Add</i>	1,135.69	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-72.19	
			<i>For >25 To 50, Deduct</i>	-136.67	
			<i>For >50, Deduct</i>	-201.16	
10 71 16	13-0217	EA	78" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,305.79	208.86
			<i>For Impact Bahama Shutters, Add</i>	1,197.06	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-75.51	
			<i>For >25 To 50, Deduct</i>	-143.19	
			<i>For >50, Deduct</i>	-210.87	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16	13-0218	EA 78" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,463.41 1,258.44 386.72 -78.79 -149.64 -220.50	211.65
10 71	16	13-0219	EA 78" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,620.17 1,319.81 386.72 -82.02 -156.03 -230.04	213.88
10 71	16	13-0220	EA 84" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	999.82 356.71 386.72 -23.24 -43.77 -64.31	72.07
10 71	16	13-0221	EA 84" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,192.07 422.80 386.72 -27.89 -52.41 -76.93	90.09
10 71	16	13-0222	EA 84" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,384.33 488.90 386.72 -32.55 -61.05 -89.54	108.10
10 71	16	13-0223	EA 84" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,560.36 554.99 386.72 -36.39 -68.47 -100.54	115.32
10 71	16	13-0224	EA 84" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,750.30 621.09 386.72 -40.93 -76.93 -112.92	131.79
10 71	16	13-0225	EA 84" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,940.24 687.18 386.72 -45.47 -85.39 -125.31	148.26
10 71	16	13-0226	EA 84" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,130.18 753.28 386.72 -50.01 -93.85 -137.69	164.74
10 71	16	13-0227	EA 84" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,306.54 819.38 386.72 -53.87 -101.30 -148.72	172.15
10 71	16	13-0228	EA 84" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,495.23 885.47 386.72 -58.35 -109.66 -160.98	187.80
10 71	16	13-0229	EA 84" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,668.69 951.57 386.72 -62.07 -116.89 -171.71	193.28
10 71	16	13-0230	EA 84" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,856.21 1,017.66 386.72 -66.49 -125.17 -183.86	208.14
10 71	16	13-0231	EA 84" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,027.02 1,083.76 386.72 -70.07 -132.20 -194.33	211.86

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0232	EA	84" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,199.88	216.95
			<i>For Impact Bahama Shutters, Add</i>	1,149.85	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-73.76	
			<i>For >25 To 50, Deduct</i>	-139.38	
			<i>For >50, Deduct</i>	-205.00	
10 71 16	13-0233	EA	84" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,371.62	221.29
			<i>For Impact Bahama Shutters, Add</i>	1,215.95	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-77.38	
			<i>For >25 To 50, Deduct</i>	-146.48	
			<i>For >50, Deduct</i>	-215.57	
10 71 16	13-0234	EA	84" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,542.34	224.92
			<i>For Impact Bahama Shutters, Add</i>	1,282.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-80.96	
			<i>For >25 To 50, Deduct</i>	-153.50	
			<i>For >50, Deduct</i>	-226.03	
10 71 16	13-0235	EA	84" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,712.07	227.93
			<i>For Impact Bahama Shutters, Add</i>	1,348.14	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-84.49	
			<i>For >25 To 50, Deduct</i>	-160.44	
			<i>For >50, Deduct</i>	-236.39	
10 71 16	13-0236	EA	84" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,880.91	230.34
			<i>For Impact Bahama Shutters, Add</i>	1,414.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	386.72	
			<i>For >10 To 25, Deduct</i>	-87.98	
			<i>For >25 To 50, Deduct</i>	-167.32	
			<i>For >50, Deduct</i>	-246.67	
10 71 16	13-0237	EA	90" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,054.75	77.21
			<i>For Impact Bahama Shutters, Add</i>	375.59	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-24.57	
			<i>For >25 To 50, Deduct</i>	-46.24	
			<i>For >50, Deduct</i>	-67.92	
10 71 16	13-0238	EA	90" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,260.74	96.53
			<i>For Impact Bahama Shutters, Add</i>	446.41	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-29.56	
			<i>For >25 To 50, Deduct</i>	-55.49	
			<i>For >50, Deduct</i>	-81.43	
10 71 16	13-0239	EA	90" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,466.71	115.83
			<i>For Impact Bahama Shutters, Add</i>	517.22	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-34.54	
			<i>For >25 To 50, Deduct</i>	-64.75	
			<i>For >50, Deduct</i>	-94.95	
10 71 16	13-0240	EA	90" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,655.34	123.56
			<i>For Impact Bahama Shutters, Add</i>	588.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-38.66	
			<i>For >25 To 50, Deduct</i>	-72.70	
			<i>For >50, Deduct</i>	-106.73	
10 71 16	13-0241	EA	90" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,858.84	141.20
			<i>For Impact Bahama Shutters, Add</i>	658.86	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-43.53	
			<i>For >25 To 50, Deduct</i>	-81.76	
			<i>For >50, Deduct</i>	-120.00	
10 71 16	13-0242	EA	90" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,062.34	158.84
			<i>For Impact Bahama Shutters, Add</i>	729.68	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-48.39	
			<i>For >25 To 50, Deduct</i>	-90.83	
			<i>For >50, Deduct</i>	-133.27	
10 71 16	13-0243	EA	90" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,265.85	176.50
			<i>For Impact Bahama Shutters, Add</i>	800.49	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-53.26	
			<i>For >25 To 50, Deduct</i>	-99.90	
			<i>For >50, Deduct</i>	-146.54	
10 71 16	13-0244	EA	90" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,454.80	184.44
			<i>For Impact Bahama Shutters, Add</i>	871.31	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-57.39	
			<i>For >25 To 50, Deduct</i>	-107.87	
			<i>For >50, Deduct</i>	-158.35	
10 71 16	13-0245	EA	90" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,656.98	201.22
			<i>For Impact Bahama Shutters, Add</i>	942.12	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-62.19	
			<i>For >25 To 50, Deduct</i>	-116.84	
			<i>For >50, Deduct</i>	-171.49	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0246	EA	90" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	2,842.81 1,012.94 414.14 -66.17 -124.58 -182.99	207.09
10 71 16	13-0247	EA	90" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,043.74 1,083.76 414.14 -70.91 -133.45 -196.00	223.01
10 71 16	13-0248	EA	90" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,226.76 1,154.58 414.14 -74.74 -140.98 -207.22	226.99
10 71 16	13-0249	EA	90" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,411.97 1,225.39 414.14 -78.69 -148.68 -218.66	232.44
10 71 16	13-0250	EA	90" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,595.97 1,296.21 414.14 -82.58 -156.28 -229.98	237.09
10 71 16	13-0251	EA	90" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,778.87 1,367.02 414.14 -86.42 -163.80 -241.18	240.99
10 71 16	13-0252	EA	90" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	3,960.72 1,437.84 414.14 -90.20 -171.24 -252.29	244.20
10 71 16	13-0253	EA	90" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	4,141.62 1,508.66 414.14 -93.93 -178.61 -263.30	246.79
10 71 16	13-0254	>90" Wide	(10 71 16 13-0011)		
10 71 16	13-0255	EA	96" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,103.50 394.48 414.14 -25.59 -48.25 -70.90	78.25
10 71 16	13-0256	EA	96" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,321.67 470.01 414.14 -30.83 -58.00 -85.17	97.82
10 71 16	13-0257	EA	96" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,539.85 545.55 414.14 -36.08 -67.75 -99.43	117.37
10 71 16	13-0258	EA	96" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,740.43 621.09 414.14 -40.44 -76.19 -111.93	125.19
10 71 16	13-0259	EA	96" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	1,956.09 696.63 414.14 -45.56 -85.75 -125.95	143.09

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0260	EA	96" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,171.74	160.97
			<i>For Impact Bahama Shutters, Add</i>	772.16	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-50.67	
			<i>For >25 To 50, Deduct</i>	-95.32	
			<i>For >50, Deduct</i>	-139.96	
10 71 16	13-0261	EA	96" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,387.40	178.85
			<i>For Impact Bahama Shutters, Add</i>	847.70	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-55.79	
			<i>For >25 To 50, Deduct</i>	-104.88	
			<i>For >50, Deduct</i>	-153.97	
10 71 16	13-0262	EA	96" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,588.31	186.91
			<i>For Impact Bahama Shutters, Add</i>	923.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-60.17	
			<i>For >25 To 50, Deduct</i>	-113.34	
			<i>For >50, Deduct</i>	-166.51	
10 71 16	13-0263	EA	96" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,802.64	203.90
			<i>For Impact Bahama Shutters, Add</i>	998.78	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-65.22	
			<i>For >25 To 50, Deduct</i>	-122.81	
			<i>For >50, Deduct</i>	-180.39	
10 71 16	13-0264	EA	96" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,000.40	209.84
			<i>For Impact Bahama Shutters, Add</i>	1,074.32	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-69.45	
			<i>For >25 To 50, Deduct</i>	-131.03	
			<i>For >50, Deduct</i>	-192.61	
10 71 16	13-0265	EA	96" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,213.43	225.98
			<i>For Impact Bahama Shutters, Add</i>	1,149.85	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-74.43	
			<i>For >25 To 50, Deduct</i>	-140.40	
			<i>For >50, Deduct</i>	-206.36	
10 71 16	13-0266	EA	96" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,408.34	230.02
			<i>For Impact Bahama Shutters, Add</i>	1,225.39	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-78.51	
			<i>For >25 To 50, Deduct</i>	-148.40	
			<i>For >50, Deduct</i>	-218.29	
10 71 16	13-0267	EA	96" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,605.46	235.54
			<i>For Impact Bahama Shutters, Add</i>	1,300.93	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-82.70	
			<i>For >25 To 50, Deduct</i>	-156.58	
			<i>For >50, Deduct</i>	-230.45	
10 71 16	13-0268	EA	96" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,801.36	240.25
			<i>For Impact Bahama Shutters, Add</i>	1,376.47	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-86.83	
			<i>For >25 To 50, Deduct</i>	-164.66	
			<i>For >50, Deduct</i>	-242.49	
10 71 16	13-0269	EA	96" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,996.13	244.20
			<i>For Impact Bahama Shutters, Add</i>	1,452.00	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-90.91	
			<i>For >25 To 50, Deduct</i>	-172.66	
			<i>For >50, Deduct</i>	-254.41	
10 71 16	13-0270	EA	96" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,189.87	247.47
			<i>For Impact Bahama Shutters, Add</i>	1,527.54	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-94.93	
			<i>For >25 To 50, Deduct</i>	-180.58	
			<i>For >50, Deduct</i>	-266.23	
10 71 16	13-0271	EA	96" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,382.62	250.07
			<i>For Impact Bahama Shutters, Add</i>	1,603.08	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	414.14	
			<i>For >10 To 25, Deduct</i>	-98.90	
			<i>For >25 To 50, Deduct</i>	-188.43	
			<i>For >50, Deduct</i>	-277.95	
10 71 16	13-0272	EA	102" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,158.05	83.13
			<i>For Impact Bahama Shutters, Add</i>	413.36	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-26.90	
			<i>For >25 To 50, Deduct</i>	-50.68	
			<i>For >50, Deduct</i>	-74.47	
10 71 16	13-0273	EA	102" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,389.87	103.93
			<i>For Impact Bahama Shutters, Add</i>	493.62	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-32.47	
			<i>For >25 To 50, Deduct</i>	-61.05	
			<i>For >50, Deduct</i>	-89.63	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0274	EA	102" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,621.66	124.71
			<i>For Impact Bahama Shutters, Add</i>	573.88	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-38.04	
			<i>For >25 To 50, Deduct</i>	-71.41	
			<i>For >50, Deduct</i>	-104.78	
10 71 16	13-0275	EA	102" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,834.77	133.02
			<i>For Impact Bahama Shutters, Add</i>	654.14	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-42.68	
			<i>For >25 To 50, Deduct</i>	-80.37	
			<i>For >50, Deduct</i>	-118.06	
10 71 16	13-0276	EA	102" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,063.92	152.02
			<i>For Impact Bahama Shutters, Add</i>	734.40	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-48.12	
			<i>For >25 To 50, Deduct</i>	-90.53	
			<i>For >50, Deduct</i>	-132.95	
10 71 16	13-0277	EA	102" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,293.05	171.03
			<i>For Impact Bahama Shutters, Add</i>	814.66	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-53.55	
			<i>For >25 To 50, Deduct</i>	-100.70	
			<i>For >50, Deduct</i>	-147.84	
10 71 16	13-0278	EA	102" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,522.18	190.03
			<i>For Impact Bahama Shutters, Add</i>	894.91	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-58.99	
			<i>For >25 To 50, Deduct</i>	-110.86	
			<i>For >50, Deduct</i>	-162.73	
10 71 16	13-0279	EA	102" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,735.66	198.58
			<i>For Impact Bahama Shutters, Add</i>	975.17	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-63.65	
			<i>For >25 To 50, Deduct</i>	-119.85	
			<i>For >50, Deduct</i>	-176.05	
10 71 16	13-0280	EA	102" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,963.37	216.64
			<i>For Impact Bahama Shutters, Add</i>	1,055.43	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-69.01	
			<i>For >25 To 50, Deduct</i>	-129.90	
			<i>For >50, Deduct</i>	-190.79	
10 71 16	13-0281	EA	102" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,173.50	222.96
			<i>For Impact Bahama Shutters, Add</i>	1,135.69	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-73.50	
			<i>For >25 To 50, Deduct</i>	-138.64	
			<i>For >50, Deduct</i>	-203.78	
10 71 16	13-0282	EA	102" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,399.86	240.10
			<i>For Impact Bahama Shutters, Add</i>	1,215.95	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-78.80	
			<i>For >25 To 50, Deduct</i>	-148.59	
			<i>For >50, Deduct</i>	-218.39	
10 71 16	13-0283	EA	102" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,606.93	244.40
			<i>For Impact Bahama Shutters, Add</i>	1,296.21	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-83.13	
			<i>For >25 To 50, Deduct</i>	-157.10	
			<i>For >50, Deduct</i>	-231.07	
10 71 16	13-0284	EA	102" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,816.38	250.27
			<i>For Impact Bahama Shutters, Add</i>	1,376.47	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-87.58	
			<i>For >25 To 50, Deduct</i>	-165.79	
			<i>For >50, Deduct</i>	-243.99	
10 71 16	13-0285	EA	102" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,024.52	255.26
			<i>For Impact Bahama Shutters, Add</i>	1,456.72	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-91.97	
			<i>For >25 To 50, Deduct</i>	-174.38	
			<i>For >50, Deduct</i>	-256.78	
10 71 16	13-0286	EA	102" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,231.47	259.47
			<i>For Impact Bahama Shutters, Add</i>	1,536.98	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-96.30	
			<i>For >25 To 50, Deduct</i>	-182.87	
			<i>For >50, Deduct</i>	-269.45	
10 71 16	13-0287	EA	102" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,437.31	262.92
			<i>For Impact Bahama Shutters, Add</i>	1,617.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-100.57	
			<i>For >25 To 50, Deduct</i>	-191.29	
			<i>For >50, Deduct</i>	-282.01	

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0288	EA	102" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,642.10	265.70
			<i>For Impact Bahama Shutters, Add</i>	1,697.50	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-104.79	
			<i>For >25 To 50, Deduct</i>	-199.63	
			<i>For >50, Deduct</i>	-294.46	
10 71 16	13-0289	EA	108" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,212.59	88.03
			<i>For Impact Bahama Shutters, Add</i>	432.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-28.21	
			<i>For >25 To 50, Deduct</i>	-53.12	
			<i>For >50, Deduct</i>	-78.03	
10 71 16	13-0290	EA	108" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,458.04	110.04
			<i>For Impact Bahama Shutters, Add</i>	517.22	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-34.11	
			<i>For >25 To 50, Deduct</i>	-64.10	
			<i>For >50, Deduct</i>	-94.08	
10 71 16	13-0291	EA	108" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,703.48	132.04
			<i>For Impact Bahama Shutters, Add</i>	602.20	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-40.01	
			<i>For >25 To 50, Deduct</i>	-75.07	
			<i>For >50, Deduct</i>	-110.13	
10 71 16	13-0292	EA	108" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,929.13	140.85
			<i>For Impact Bahama Shutters, Add</i>	687.18	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-44.92	
			<i>For >25 To 50, Deduct</i>	-84.56	
			<i>For >50, Deduct</i>	-124.19	
10 71 16	13-0293	EA	108" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,171.74	160.97
			<i>For Impact Bahama Shutters, Add</i>	772.16	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-50.67	
			<i>For >25 To 50, Deduct</i>	-95.32	
			<i>For >50, Deduct</i>	-139.96	
10 71 16	13-0294	EA	108" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,414.37	181.09
			<i>For Impact Bahama Shutters, Add</i>	857.14	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-56.43	
			<i>For >25 To 50, Deduct</i>	-106.08	
			<i>For >50, Deduct</i>	-155.72	
10 71 16	13-0295	EA	108" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,656.98	201.22
			<i>For Impact Bahama Shutters, Add</i>	942.12	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-62.19	
			<i>For >25 To 50, Deduct</i>	-116.84	
			<i>For >50, Deduct</i>	-171.49	
10 71 16	13-0296	EA	108" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,883.00	210.27
			<i>For Impact Bahama Shutters, Add</i>	1,027.10	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-67.12	
			<i>For >25 To 50, Deduct</i>	-126.35	
			<i>For >50, Deduct</i>	-185.59	
10 71 16	13-0297	EA	108" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,124.11	229.38
			<i>For Impact Bahama Shutters, Add</i>	1,112.08	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-72.80	
			<i>For >25 To 50, Deduct</i>	-137.00	
			<i>For >50, Deduct</i>	-201.20	
10 71 16	13-0298	EA	108" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,346.59	236.07
			<i>For Impact Bahama Shutters, Add</i>	1,197.06	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-77.55	
			<i>For >25 To 50, Deduct</i>	-146.25	
			<i>For >50, Deduct</i>	-214.95	
10 71 16	13-0299	EA	108" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,586.27	254.23
			<i>For Impact Bahama Shutters, Add</i>	1,282.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-83.16	
			<i>For >25 To 50, Deduct</i>	-156.79	
			<i>For >50, Deduct</i>	-230.42	
10 71 16	13-0300	EA	108" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,805.53	258.76
			<i>For Impact Bahama Shutters, Add</i>	1,367.02	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-87.75	
			<i>For >25 To 50, Deduct</i>	-165.80	
			<i>For >50, Deduct</i>	-243.85	
10 71 16	13-0301	EA	108" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,027.30	264.98
			<i>For Impact Bahama Shutters, Add</i>	1,452.00	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	447.98	
			<i>For >10 To 25, Deduct</i>	-92.46	
			<i>For >25 To 50, Deduct</i>	-175.00	
			<i>For >50, Deduct</i>	-257.53	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16	13-0302	EA 108" Wide x 102" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	4,247.68 1,536.98 447.98 -97.11 -184.09 -271.07	270.29
10 71	16	13-0303	EA 108" Wide x 108" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	4,466.81 1,621.96 447.98 -101.69 -193.09 -284.48	274.73
10 71	16	13-0304	EA 108" Wide x 114" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	4,684.74 1,706.94 447.98 -106.22 -202.00 -297.78	278.39
10 71	16	13-0305	EA 108" Wide x 120" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	4,901.59 1,791.92 447.98 -110.69 -210.83 -310.97	281.33
10 71	16	13-0306	EA 114" Wide x 24" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	1,267.13 451.13 481.81 -29.52 -55.56 -81.60	92.92
10 71	16	13-0307	EA 114" Wide x 30" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	1,526.21 540.83 481.81 -35.75 -67.14 -98.54	116.15
10 71	16	13-0308	EA 114" Wide x 36" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	1,785.30 630.53 481.81 -41.98 -78.73 -115.48	139.38
10 71	16	13-0309	EA 114" Wide x 42" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	2,023.48 720.23 481.81 -47.16 -88.74 -130.32	148.68
10 71	16	13-0310	EA 114" Wide x 48" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	2,279.57 809.93 481.81 -53.23 -100.10 -146.96	169.92
10 71	16	13-0311	EA 114" Wide x 54" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	2,535.68 899.64 481.81 -59.31 -111.46 -163.60	191.14
10 71	16	13-0312	EA 114" Wide x 60" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	2,791.76 989.34 481.81 -65.39 -122.82 -180.24	212.39
10 71	16	13-0313	EA 114" Wide x 66" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	3,030.35 1,079.04 481.81 -70.59 -132.86 -195.13	221.94
10 71	16	13-0314	EA 114" Wide x 72" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	3,284.84 1,168.74 481.81 -76.59 -144.10 -211.61	242.12
10 71	16	13-0315	EA 114" Wide x 78" High, Architectural Aluminum Bahama Shutter For Impact Bahama Shutters, Add For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add For >10 To 25, Deduct For >25 To 50, Deduct For >50, Deduct	3,519.70 1,258.44 481.81 -81.60 -153.86 -226.13	249.19

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0316	EA	114" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,772.68	268.36
			<i>For Impact Bahama Shutters, Add</i>	1,348.14	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	481.81	
			<i>For >10 To 25, Deduct</i>	-87.52	
			<i>For >25 To 50, Deduct</i>	-164.99	
			<i>For >50, Deduct</i>	-242.45	
10 71 16	13-0317	EA	114" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,004.12	273.15
			<i>For Impact Bahama Shutters, Add</i>	1,437.84	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	481.81	
			<i>For >10 To 25, Deduct</i>	-92.37	
			<i>For >25 To 50, Deduct</i>	-174.50	
			<i>For >50, Deduct</i>	-256.63	
10 71 16	13-0318	EA	114" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,238.20	279.70
			<i>For Impact Bahama Shutters, Add</i>	1,527.54	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	481.81	
			<i>For >10 To 25, Deduct</i>	-97.34	
			<i>For >25 To 50, Deduct</i>	-184.20	
			<i>For >50, Deduct</i>	-271.07	
10 71 16	13-0319	EA	114" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,470.85	285.30
			<i>For Impact Bahama Shutters, Add</i>	1,617.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	481.81	
			<i>For >10 To 25, Deduct</i>	-102.25	
			<i>For >25 To 50, Deduct</i>	-193.80	
			<i>For >50, Deduct</i>	-285.36	
10 71 16	13-0320	EA	114" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,702.15	290.00
			<i>For Impact Bahama Shutters, Add</i>	1,706.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	481.81	
			<i>For >10 To 25, Deduct</i>	-107.09	
			<i>For >25 To 50, Deduct</i>	-203.30	
			<i>For >50, Deduct</i>	-299.52	
10 71 16	13-0321	EA	114" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,932.19	293.86
			<i>For Impact Bahama Shutters, Add</i>	1,796.64	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	481.81	
			<i>For >10 To 25, Deduct</i>	-111.86	
			<i>For >25 To 50, Deduct</i>	-212.71	
			<i>For >50, Deduct</i>	-313.55	
10 71 16	13-0322	EA	114" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,161.09	296.97
			<i>For Impact Bahama Shutters, Add</i>	1,886.35	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	481.81	
			<i>For >10 To 25, Deduct</i>	-116.58	
			<i>For >25 To 50, Deduct</i>	-222.03	
			<i>For >50, Deduct</i>	-327.47	
10 71 16	13-0323	EA	120" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,321.67	97.82
			<i>For Impact Bahama Shutters, Add</i>	470.01	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-30.83	
			<i>For >25 To 50, Deduct</i>	-58.00	
			<i>For >50, Deduct</i>	-85.17	
10 71 16	13-0324	EA	120" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,594.39	122.26
			<i>For Impact Bahama Shutters, Add</i>	564.44	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-37.39	
			<i>For >25 To 50, Deduct</i>	-70.19	
			<i>For >50, Deduct</i>	-103.00	
10 71 16	13-0325	EA	120" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,867.11	146.72
			<i>For Impact Bahama Shutters, Add</i>	658.86	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-43.94	
			<i>For >25 To 50, Deduct</i>	-82.38	
			<i>For >50, Deduct</i>	-120.83	
10 71 16	13-0326	EA	120" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,117.83	156.49
			<i>For Impact Bahama Shutters, Add</i>	753.28	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-49.40	
			<i>For >25 To 50, Deduct</i>	-92.93	
			<i>For >50, Deduct</i>	-136.46	
10 71 16	13-0327	EA	120" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,387.40	178.85
			<i>For Impact Bahama Shutters, Add</i>	847.70	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-55.79	
			<i>For >25 To 50, Deduct</i>	-104.88	
			<i>For >50, Deduct</i>	-153.97	
10 71 16	13-0328	EA	120" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,656.98	201.22
			<i>For Impact Bahama Shutters, Add</i>	942.12	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-62.19	
			<i>For >25 To 50, Deduct</i>	-116.84	
			<i>For >50, Deduct</i>	-171.49	
10 71 16	13-0329	EA	120" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,926.55	223.56
			<i>For Impact Bahama Shutters, Add</i>	1,036.55	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-68.59	
			<i>For >25 To 50, Deduct</i>	-128.79	
			<i>For >50, Deduct</i>	-189.00	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0330	EA	120" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,177.69	233.63
			<i>For Impact Bahama Shutters, Add</i>	1,130.97	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-74.06	
			<i>For >25 To 50, Deduct</i>	-139.37	
			<i>For >50, Deduct</i>	-204.67	
10 71 16	13-0331	EA	120" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,445.60	254.88
			<i>For Impact Bahama Shutters, Add</i>	1,225.39	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-80.38	
			<i>For >25 To 50, Deduct</i>	-151.20	
			<i>For >50, Deduct</i>	-222.02	
10 71 16	13-0332	EA	120" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,692.79	262.30
			<i>For Impact Bahama Shutters, Add</i>	1,319.81	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-85.65	
			<i>For >25 To 50, Deduct</i>	-161.48	
			<i>For >50, Deduct</i>	-237.30	
10 71 16	13-0333	EA	120" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,959.09	282.48
			<i>For Impact Bahama Shutters, Add</i>	1,414.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-91.89	
			<i>For >25 To 50, Deduct</i>	-173.19	
			<i>For >50, Deduct</i>	-254.49	
10 71 16	13-0334	EA	120" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,202.71	287.52
			<i>For Impact Bahama Shutters, Add</i>	1,508.66	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-96.99	
			<i>For >25 To 50, Deduct</i>	-183.20	
			<i>For >50, Deduct</i>	-269.41	
10 71 16	13-0335	EA	120" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,449.11	294.42
			<i>For Impact Bahama Shutters, Add</i>	1,603.08	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-102.22	
			<i>For >25 To 50, Deduct</i>	-193.41	
			<i>For >50, Deduct</i>	-284.60	
10 71 16	13-0336	EA	120" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,694.00	300.31
			<i>For Impact Bahama Shutters, Add</i>	1,697.50	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-107.39	
			<i>For >25 To 50, Deduct</i>	-203.52	
			<i>For >50, Deduct</i>	-299.65	
10 71 16	13-0337	EA	120" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,937.47	305.26
			<i>For Impact Bahama Shutters, Add</i>	1,791.92	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-112.48	
			<i>For >25 To 50, Deduct</i>	-213.52	
			<i>For >50, Deduct</i>	-314.55	
10 71 16	13-0338	EA	120" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,179.62	309.33
			<i>For Impact Bahama Shutters, Add</i>	1,886.35	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-117.50	
			<i>For >25 To 50, Deduct</i>	-223.42	
			<i>For >50, Deduct</i>	-329.33	
10 71 16	13-0339	EA	120" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,420.56	312.58
			<i>For Impact Bahama Shutters, Add</i>	1,980.77	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	494.90	
			<i>For >10 To 25, Deduct</i>	-122.47	
			<i>For >25 To 50, Deduct</i>	-233.22	
			<i>For >50, Deduct</i>	-343.98	
10 71 16	13-0340	EA	126" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,376.22	102.71
			<i>For Impact Bahama Shutters, Add</i>	488.90	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-32.14	
			<i>For >25 To 50, Deduct</i>	-60.44	
			<i>For >50, Deduct</i>	-88.73	
10 71 16	13-0341	EA	126" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,662.57	128.38
			<i>For Impact Bahama Shutters, Add</i>	588.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-39.03	
			<i>For >25 To 50, Deduct</i>	-73.24	
			<i>For >50, Deduct</i>	-107.45	
10 71 16	13-0342	EA	126" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,948.92	154.06
			<i>For Impact Bahama Shutters, Add</i>	687.18	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-45.91	
			<i>For >25 To 50, Deduct</i>	-86.04	
			<i>For >50, Deduct</i>	-126.17	
10 71 16	13-0343	EA	126" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,212.18	164.32
			<i>For Impact Bahama Shutters, Add</i>	786.33	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-51.63	
			<i>For >25 To 50, Deduct</i>	-97.11	
			<i>For >50, Deduct</i>	-142.59	

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0344	EA	126" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,495.23	187.80
			<i>For Impact Bahama Shutters, Add</i>	885.47	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-58.35	
			<i>For >25 To 50, Deduct</i>	-109.66	
			<i>For >50, Deduct</i>	-160.98	
10 71 16	13-0345	EA	126" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,778.30	211.27
			<i>For Impact Bahama Shutters, Add</i>	984.62	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-65.07	
			<i>For >25 To 50, Deduct</i>	-122.22	
			<i>For >50, Deduct</i>	-179.37	
10 71 16	13-0346	EA	126" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,061.34	234.75
			<i>For Impact Bahama Shutters, Add</i>	1,083.76	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-71.79	
			<i>For >25 To 50, Deduct</i>	-134.77	
			<i>For >50, Deduct</i>	-197.76	
10 71 16	13-0347	EA	126" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,325.03	245.30
			<i>For Impact Bahama Shutters, Add</i>	1,182.90	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-77.53	
			<i>For >25 To 50, Deduct</i>	-145.87	
			<i>For >50, Deduct</i>	-214.21	
10 71 16	13-0348	EA	126" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,606.33	267.61
			<i>For Impact Bahama Shutters, Add</i>	1,282.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-84.16	
			<i>For >25 To 50, Deduct</i>	-158.30	
			<i>For >50, Deduct</i>	-232.43	
10 71 16	13-0349	EA	126" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,865.89	275.43
			<i>For Impact Bahama Shutters, Add</i>	1,381.19	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-89.71	
			<i>For >25 To 50, Deduct</i>	-169.09	
			<i>For >50, Deduct</i>	-248.47	
10 71 16	13-0350	EA	126" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,145.52	296.60
			<i>For Impact Bahama Shutters, Add</i>	1,480.33	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-96.25	
			<i>For >25 To 50, Deduct</i>	-181.38	
			<i>For >50, Deduct</i>	-266.52	
10 71 16	13-0351	EA	126" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,401.31	301.89
			<i>For Impact Bahama Shutters, Add</i>	1,579.48	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-101.60	
			<i>For >25 To 50, Deduct</i>	-191.89	
			<i>For >50, Deduct</i>	-282.18	
10 71 16	13-0352	EA	126" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,660.03	309.16
			<i>For Impact Bahama Shutters, Add</i>	1,678.62	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-107.11	
			<i>For >25 To 50, Deduct</i>	-202.62	
			<i>For >50, Deduct</i>	-298.14	
10 71 16	13-0353	EA	126" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,917.16	315.33
			<i>For Impact Bahama Shutters, Add</i>	1,777.76	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-112.53	
			<i>For >25 To 50, Deduct</i>	-213.23	
			<i>For >50, Deduct</i>	-313.94	
10 71 16	13-0354	EA	126" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,172.80	320.52
			<i>For Impact Bahama Shutters, Add</i>	1,876.90	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-117.87	
			<i>For >25 To 50, Deduct</i>	-223.73	
			<i>For >50, Deduct</i>	-329.59	
10 71 16	13-0355	EA	126" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,427.07	324.79
			<i>For Impact Bahama Shutters, Add</i>	1,976.05	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-123.15	
			<i>For >25 To 50, Deduct</i>	-234.13	
			<i>For >50, Deduct</i>	-345.10	
10 71 16	13-0356	EA	126" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,680.06	328.21
			<i>For Impact Bahama Shutters, Add</i>	2,075.19	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-128.36	
			<i>For >25 To 50, Deduct</i>	-244.43	
			<i>For >50, Deduct</i>	-360.49	
10 71 16	13-0357	EA	132" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,430.76	107.59
			<i>For Impact Bahama Shutters, Add</i>	507.78	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-33.45	
			<i>For >25 To 50, Deduct</i>	-62.88	
			<i>For >50, Deduct</i>	-92.30	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0358	EA	132" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,730.76	134.49
			<i>For Impact Bahama Shutters, Add</i>	611.65	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-40.66	
			<i>For >25 To 50, Deduct</i>	-76.29	
			<i>For >50, Deduct</i>	-111.91	
10 71 16	13-0359	EA	132" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,030.74	161.38
			<i>For Impact Bahama Shutters, Add</i>	715.51	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-47.87	
			<i>For >25 To 50, Deduct</i>	-89.70	
			<i>For >50, Deduct</i>	-131.52	
10 71 16	13-0360	EA	132" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,306.54	172.15
			<i>For Impact Bahama Shutters, Add</i>	819.38	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-53.87	
			<i>For >25 To 50, Deduct</i>	-101.30	
			<i>For >50, Deduct</i>	-148.72	
10 71 16	13-0361	EA	132" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,603.06	196.75
			<i>For Impact Bahama Shutters, Add</i>	923.24	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-60.91	
			<i>For >25 To 50, Deduct</i>	-114.45	
			<i>For >50, Deduct</i>	-167.98	
10 71 16	13-0362	EA	132" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,899.59	221.33
			<i>For Impact Bahama Shutters, Add</i>	1,027.10	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-67.95	
			<i>For >25 To 50, Deduct</i>	-127.60	
			<i>For >50, Deduct</i>	-187.25	
10 71 16	13-0363	EA	132" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,196.13	245.92
			<i>For Impact Bahama Shutters, Add</i>	1,130.97	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-74.98	
			<i>For >25 To 50, Deduct</i>	-140.75	
			<i>For >50, Deduct</i>	-206.52	
10 71 16	13-0364	EA	132" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,472.38	256.99
			<i>For Impact Bahama Shutters, Add</i>	1,234.83	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-81.01	
			<i>For >25 To 50, Deduct</i>	-152.38	
			<i>For >50, Deduct</i>	-223.75	
10 71 16	13-0365	EA	132" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,767.06	280.35
			<i>For Impact Bahama Shutters, Add</i>	1,338.70	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-87.95	
			<i>For >25 To 50, Deduct</i>	-165.39	
			<i>For >50, Deduct</i>	-242.84	
10 71 16	13-0366	EA	132" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,038.99	288.53
			<i>For Impact Bahama Shutters, Add</i>	1,442.56	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-93.76	
			<i>For >25 To 50, Deduct</i>	-176.70	
			<i>For >50, Deduct</i>	-259.64	
10 71 16	13-0367	EA	132" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,331.93	310.73
			<i>For Impact Bahama Shutters, Add</i>	1,546.43	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-100.61	
			<i>For >25 To 50, Deduct</i>	-189.58	
			<i>For >50, Deduct</i>	-278.55	
10 71 16	13-0368	EA	132" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,599.90	316.28
			<i>For Impact Bahama Shutters, Add</i>	1,650.29	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-106.22	
			<i>For >25 To 50, Deduct</i>	-200.59	
			<i>For >50, Deduct</i>	-294.96	
10 71 16	13-0369	EA	132" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,870.95	323.87
			<i>For Impact Bahama Shutters, Add</i>	1,754.16	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-111.99	
			<i>For >25 To 50, Deduct</i>	-211.83	
			<i>For >50, Deduct</i>	-311.68	
10 71 16	13-0370	EA	132" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,140.32	330.34
			<i>For Impact Bahama Shutters, Add</i>	1,858.02	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-117.66	
			<i>For >25 To 50, Deduct</i>	-222.95	
			<i>For >50, Deduct</i>	-328.23	
10 71 16	13-0371	EA	132" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,408.14	335.79
			<i>For Impact Bahama Shutters, Add</i>	1,961.88	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-123.27	
			<i>For >25 To 50, Deduct</i>	-233.95	
			<i>For >50, Deduct</i>	-344.63	

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0372	EA	132" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,674.51	340.26
			<i>For Impact Bahama Shutters, Add</i>	2,065.75	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For >10 To 25, Deduct</i>	-128.79	
			<i>For >25 To 50, Deduct</i>	-244.84	
			<i>For >50, Deduct</i>	-360.88	
10 71 16	13-0373	EA	132" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,939.53	343.84
			<i>For Impact Bahama Shutters, Add</i>	2,169.61	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	507.75	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-134.26	
			<i>For >25 To 50, Deduct</i>	-255.62	
			<i>For >50, Deduct</i>	-376.99	
10 71 16	13-0374	EA	138" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,485.32	112.48
			<i>For Impact Bahama Shutters, Add</i>	526.67	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-34.77	
			<i>For >25 To 50, Deduct</i>	-65.32	
			<i>For >50, Deduct</i>	-95.87	
10 71 16	13-0375	EA	138" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,798.93	140.61
			<i>For Impact Bahama Shutters, Add</i>	635.25	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-42.30	
			<i>For >25 To 50, Deduct</i>	-79.34	
			<i>For >50, Deduct</i>	-116.37	
10 71 16	13-0376	EA	138" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,112.55	168.72
			<i>For Impact Bahama Shutters, Add</i>	743.84	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-49.84	
			<i>For >25 To 50, Deduct</i>	-93.36	
			<i>For >50, Deduct</i>	-136.87	
10 71 16	13-0377	EA	138" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,400.88	179.97
			<i>For Impact Bahama Shutters, Add</i>	852.42	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-56.11	
			<i>For >25 To 50, Deduct</i>	-105.48	
			<i>For >50, Deduct</i>	-154.85	
10 71 16	13-0378	EA	138" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,710.88	205.68
			<i>For Impact Bahama Shutters, Add</i>	961.01	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-63.47	
			<i>For >25 To 50, Deduct</i>	-119.23	
			<i>For >50, Deduct</i>	-174.99	
10 71 16	13-0379	EA	138" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,020.91	231.39
			<i>For Impact Bahama Shutters, Add</i>	1,069.60	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-70.83	
			<i>For >25 To 50, Deduct</i>	-132.98	
			<i>For >50, Deduct</i>	-195.13	
10 71 16	13-0380	EA	138" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,330.91	257.11
			<i>For Impact Bahama Shutters, Add</i>	1,178.18	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-78.18	
			<i>For >25 To 50, Deduct</i>	-146.73	
			<i>For >50, Deduct</i>	-215.27	
10 71 16	13-0381	EA	138" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,619.73	268.67
			<i>For Impact Bahama Shutters, Add</i>	1,286.76	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-84.48	
			<i>For >25 To 50, Deduct</i>	-158.89	
			<i>For >50, Deduct</i>	-233.30	
10 71 16	13-0382	EA	138" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,927.82	293.10
			<i>For Impact Bahama Shutters, Add</i>	1,395.35	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-91.74	
			<i>For >25 To 50, Deduct</i>	-172.49	
			<i>For >50, Deduct</i>	-253.25	
10 71 16	13-0383	EA	138" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,212.09	301.65
			<i>For Impact Bahama Shutters, Add</i>	1,503.94	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-97.81	
			<i>For >25 To 50, Deduct</i>	-184.31	
			<i>For >50, Deduct</i>	-270.82	
10 71 16	13-0384	EA	138" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,518.34	324.85
			<i>For Impact Bahama Shutters, Add</i>	1,612.52	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-104.98	
			<i>For >25 To 50, Deduct</i>	-197.78	
			<i>For >50, Deduct</i>	-290.58	
10 71 16	13-0385	EA	138" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,798.49	330.65
			<i>For Impact Bahama Shutters, Add</i>	1,721.11	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-110.84	
			<i>For >25 To 50, Deduct</i>	-209.29	
			<i>For >50, Deduct</i>	-307.74	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16	13-0386	EA	138" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,081.87	338.59
			<i>For Impact Bahama Shutters, Add</i>	1,829.69	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-116.87	
			<i>For >25 To 50, Deduct</i>	-221.04	
			<i>For >50, Deduct</i>	-325.22	
10 71 16	13-0387	EA	138" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,363.48	345.36
			<i>For Impact Bahama Shutters, Add</i>	1,938.28	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-122.80	
			<i>For >25 To 50, Deduct</i>	-232.66	
			<i>For >50, Deduct</i>	-342.52	
10 71 16	13-0388	EA	138" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,643.47	351.04
			<i>For Impact Bahama Shutters, Add</i>	2,046.86	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-128.66	
			<i>For >25 To 50, Deduct</i>	-244.16	
			<i>For >50, Deduct</i>	-359.66	
10 71 16	13-0389	EA	138" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,921.95	355.73
			<i>For Impact Bahama Shutters, Add</i>	2,155.45	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-134.44	
			<i>For >25 To 50, Deduct</i>	-255.54	
			<i>For >50, Deduct</i>	-376.65	
10 71 16	13-0390	EA	138" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,199.03	359.47
			<i>For Impact Bahama Shutters, Add</i>	2,264.04	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-140.15	
			<i>For >25 To 50, Deduct</i>	-266.82	
			<i>For >50, Deduct</i>	-393.50	
10 71 16	13-0391	EA	144" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,539.85	117.37
			<i>For Impact Bahama Shutters, Add</i>	545.55	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-36.08	
			<i>For >25 To 50, Deduct</i>	-67.75	
			<i>For >50, Deduct</i>	-99.43	
10 71 16	13-0392	EA	144" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,867.11	146.72
			<i>For Impact Bahama Shutters, Add</i>	658.86	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-43.94	
			<i>For >25 To 50, Deduct</i>	-82.38	
			<i>For >50, Deduct</i>	-120.83	
10 71 16	13-0393	EA	144" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,194.36	176.06
			<i>For Impact Bahama Shutters, Add</i>	772.16	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-51.81	
			<i>For >25 To 50, Deduct</i>	-97.01	
			<i>For >50, Deduct</i>	-142.22	
10 71 16	13-0394	EA	144" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,495.23	187.80
			<i>For Impact Bahama Shutters, Add</i>	885.47	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-58.35	
			<i>For >25 To 50, Deduct</i>	-109.66	
			<i>For >50, Deduct</i>	-160.98	
10 71 16	13-0395	EA	144" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,818.71	214.63
			<i>For Impact Bahama Shutters, Add</i>	998.78	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-66.03	
			<i>For >25 To 50, Deduct</i>	-124.01	
			<i>For >50, Deduct</i>	-181.99	
10 71 16	13-0396	EA	144" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,142.21	241.46
			<i>For Impact Bahama Shutters, Add</i>	1,112.08	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-73.70	
			<i>For >25 To 50, Deduct</i>	-138.36	
			<i>For >50, Deduct</i>	-203.01	
10 71 16	13-0397	EA	144" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,465.71	268.29
			<i>For Impact Bahama Shutters, Add</i>	1,225.39	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-81.38	
			<i>For >25 To 50, Deduct</i>	-152.71	
			<i>For >50, Deduct</i>	-224.03	
10 71 16	13-0398	EA	144" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,767.06	280.35
			<i>For Impact Bahama Shutters, Add</i>	1,338.70	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-87.95	
			<i>For >25 To 50, Deduct</i>	-165.39	
			<i>For >50, Deduct</i>	-242.84	
10 71 16	13-0399	EA	144" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,088.54	305.84
			<i>For Impact Bahama Shutters, Add</i>	1,452.00	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.01	
			<i>For >10 To 25, Deduct</i>	-95.53	
			<i>For >25 To 50, Deduct</i>	-179.59	
			<i>For >50, Deduct</i>	-263.65	

10 Specialties
10 70 Exterior Specialties
10 71 Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0400	EA		144" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	4,385.19 1,565.31 527.01 -101.86 -191.92 -281.99	314.76
10 71 16 13-0401	EA		144" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	4,704.75 1,678.62 527.01 -109.34 -205.98 -302.61	338.98
10 71 16 13-0402	EA		144" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	4,997.10 1,791.92 527.01 -115.46 -217.99 -320.52	345.03
10 71 16 13-0403	EA		144" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	5,292.77 1,905.23 527.01 -121.75 -230.25 -338.75	353.30
10 71 16 13-0404	EA		144" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	5,586.63 2,018.54 527.01 -127.94 -242.38 -356.81	360.37
10 71 16 13-0405	EA		144" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	5,878.80 2,131.84 527.01 -134.05 -254.37 -374.70	366.31
10 71 16 13-0406	EA		144" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	6,169.39 2,245.15 527.01 -140.08 -266.25 -392.42	371.20
10 71 16 13-0407	EA		144" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i>	6,458.51 2,358.46 527.01 -146.04 -278.02 -410.01	375.11
10 71 16 13-0408			Shutter Accessories <small>(10 71 16 13)</small>		
10 71 16 13-0409			Shutter Build-Out <small>(10 71 16 13-0408)</small>		
10 71 16 13-0410	LF		2' x 3' Hurricane Shutter Buildout.....	18.81	5.78
10 71 16 13-0411	LF		2' x 5' Hurricane Shutter Buildout.....	21.52	5.78
10 71 16 13-0412			Storm Panel Track <small>(10 71 16 13-0408)</small>		
10 71 16 13-0413	LF		H-Header Storm Panel Track.....	17.31	5.78
10 71 16 13-0414	LF		F-Header Storm Panel Track.....	16.70	5.78
10 71 16 13-0415	LF		U-Header Storm Panel Track.....	17.31	5.78
10 71 16 13-0416	LF		Stud Angle Storm Panel Track.....	17.91	5.78
10 71 16 13-0417	LF		Clip Sill Storm Panel Track.....	14.90	5.78
10 71 16 13-0418			Exeter Storm Shield <small>(10 71 16 13)</small>		
10 71 16 13-0419			Aluminum Framed Panels With Stainless Steel Barrier Membrane <small>(10 71 16 13-0418)</small> Note: Frame to meet ASTM E1886/E1996 Level "E" requirements. Frame finish to be anodized aluminum, bronze or white.		
10 71 16 13-0420			Operable Panels <small>(10 71 16 13-0419)</small> Note: Price per panel, not by window size.		
10 71 16 13-0421	SF		Up to 7.5 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing. <i>For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add</i> <i>For <10 Panels, Add</i>	163.01 5.00 41.22	
10 71 16 13-0422	SF		>7.5 To 12 SF Operable Panel Note: Installed in concrete block, concrete, wood or steel framing. <i>For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add</i> <i>For <10 Panels, Add</i>	141.21 5.00 19.80	
10 71 16 13-0423	SF		>12 To 17.5 SF Operable Panel Note: Installed in concrete block, concrete, wood or steel framing. <i>For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add</i> <i>For <10 Panels, Add</i>	132.60 5.00 10.67	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0424 SF >17.5 To 24 SF Operable Panel.....	125.01	
Note: Installed in concrete block, concrete, wood or steel framing.		
For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	5.00	
For <10 Panels, Add	10.29	
10 71 16 13-0425 SF >24 SF Operable Panel.....	112.43	
Note: Installed in concrete block, concrete, wood or steel framing.		
For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	5.00	
For <10 Panels, Add	9.07	
10 71 16 13-0426 Operable Panel Options (10 71 16 13-0419)		
Note: Tasks to be added per panel.		
10 71 16 13-0427 EA For Side Hinge, Add Per Panel.....	129.11	
10 71 16 13-0428 EA For Top Hinge, Add Per Panel.....	44.42	
10 71 16 13-0429 EA For Bahama Unit, Add Per Panel.....	174.96	
10 71 16 13-0430 EA For External Keylocks, Add Per Panel.....	174.29	
10 71 16 13-0431 EA For Security Egress Option, Add Per Panel.....	83.03	
10 71 16 13-0432 Fixed Panel (10 71 16 13-0419)		
Note: Price per panel, not by window size.		
10 71 16 13-0433 SF Up to 7.5 SF Fixed Panel.....	165.18	
Note: Installed in concrete block, concrete, wood or steel framing.		
For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	5.00	
For <10 Panels, Add	42.30	
10 71 16 13-0434 SF >7.5 To 12 SF Fixed Panel.....	142.87	
Note: Installed in concrete block, concrete, wood or steel framing.		
For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	5.00	
For <10 Panels, Add	20.30	
10 71 16 13-0435 SF >12 To 17.5 SF Fixed Panel.....	133.97	
Note: Installed in concrete block, concrete, wood or steel framing.		
For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	5.00	
For <10 Panels, Add	10.90	
10 71 16 13-0436 SF >17.5 To 24 SF Fixed Panel.....	126.05	
Note: Installed in concrete block, concrete, wood or steel framing.		
For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	5.00	
For <10 Panels, Add	10.47	
10 71 16 13-0437 SF >24 SF Fixed Panel.....	113.28	
Note: Installed in concrete block, concrete, wood or steel framing.		
For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	5.00	
For <10 Panels, Add	9.21	
10 71 16 16 Movable Storm Panels (10 71 16)		
10 71 16 16-0001 Roll-Up Shutters (10 71 16 16)		
10 71 16 16-0002 Shutters (10 71 16 16-0001)		
10 71 16 16-0003 SF Hurricane Roll-Up Automatic Shutter.....	99.15	5.78
10 71 16 16-0004 Motors And Accessories (10 71 16 16-0001)		
10 71 16 16-0005 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 49 LB.....	907.39	
10 71 16 16-0006 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 110 LB.....	978.79	
10 71 16 16-0007 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 215 LB.....	1,034.67	
10 71 16 16-0008 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 261 LB.....	1,083.96	
10 71 16 16-0009 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 369 LB.....	1,221.61	
10 73 Protective Covers (10 70)		
10 73 13 Awnings (10 73)		
10 73 13 13 Metal Awnings (10 73 13)		
10 73 13 13-0001 Metal Awnings (10 73 13 13)		
Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002 SF Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings.....	79.70	8.98
10 73 13 13-0003 SF Baked Enamel Finish, Ribbed Aluminum Window Awning.....	70.47	8.05
10 73 13 13-0004 SF Flat Roofed Steel Awning.....	222.48	9.33
Note: Per SF of covered area		
10 73 13 13-0005 SF Arched Roofed Steel Awning (Per SF Of Covered Area).....	229.62	10.50
10 73 13 23 Fabric Awnings (10 73 13)		
10 73 13 23-0001 Canvas Awnings (10 73 13 23)		
Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002 SF Canvas Awning, Waterproof Fabric Tubular Metal Framing.....	79.28	8.49
10 73 13 23-0003 SF Side Protection Canvas For Walkways (Per SF Of Wall Area).....	45.31	2.74
10 73 13 23-0004 SF Removal And Replacement Of Canvas For Awnings.....	29.23	
Note: Includes removal of existing canvas cover.		
For 18 Oz. Vinyl Laminated Polyester Cover, Add	0.95	

10	10	Specialties
	10 70	Exterior Specialties
	10 73	Protective Covers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 73 16 Canopies (10 73)

10 73 16 13 Metal Canopies (10 73 16)

10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16 13)

Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	7,441.27	548.35
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	13,807.57	877.58
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	9,160.06	686.10
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	16,804.30	917.47

10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings (10 73 26)

10 73 26 13-0001 Steel Walkway/Parking Covers (10 73 26 13)

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	110.88	7.75
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	38.15	
		For Wind Load (140 MPH), Add	47.69	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	118.04	8.35
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	40.54	
		For Wind Load (140 MPH), Add	50.67	

10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	71.45	7.75
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	22.38	
		For Wind Load (140 MPH), Add	27.97	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	77.73	8.35
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	24.41	
		For Wind Load (140 MPH), Add	30.52	

10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)

Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	4,193.64	968.65
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	20.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole	4,481.96	1,056.71
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole	5,642.64	1,232.83
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	10.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole	6,547.81	1,408.95
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole	12,161.64	1,585.07
		Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
		For Internal Halyard, Winch System, Add	1,700.00	
		For Bronze Finish, Add	200.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole	14,478.21	1,761.18
		Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
		For Internal Halyard, Winch System, Add	1,900.00	
		For Bronze Finish, Add	160.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole	24,946.71	1,937.30
		Note: 16" butt diameter, 7" top diameter and 0.325" wall.		
		For Internal Halyard, Winch System, Add	2,860.00	
		For Bronze Finish, Add	700.00	
		For Rope Lock Box, Add	96.00	



Specialties	10
Exterior Specialties	10 70
Flagpoles	10 75

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0009 EA 78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Bronze Finish, Add</i> <i>For Rope Lock Box, Add</i>	32,324.78 2,900.00 900.00 96.00	2,113.42
10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles <small>(10 75 16)</small> Note: Heavy duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0011 EA 20' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 5" butt diameter, 3" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	3,428.04 570.00 150.00 180.00 230.00 96.00	880.59
10 75 16 00-0012 EA 25' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,073.21 1,100.00 200.00 230.00 320.00 96.00	968.65
10 75 16 00-0013 EA 30' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	4,519.45 1,390.00 300.00 375.00 450.00 96.00	1,056.71
10 75 16 00-0014 EA 35' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	5,730.23 1,340.00 290.00 360.00 480.00 96.00	1,232.83
10 75 16 00-0015 EA 40' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	7,073.61 1,490.00 390.00 480.00 660.00 96.00	1,408.95
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	7,824.87 1,340.00 400.00 500.00 700.00 96.00	1,497.00
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	9,809.46 1,380.00 700.00 860.00 1,130.00 96.00	1,585.07
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	16,735.99 1,800.00 620.00 820.00 1,160.00 96.00	1,761.18
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	18,318.08 1,720.00 710.00 950.00 1,360.00 96.00	1,937.30
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. <i>For Internal Halyard, Winch System, Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Rope Lock Box, Add</i>	22,884.03 2,600.00 1,100.00 1,380.00 1,840.00 96.00	2,113.42
10 75 16 00-0021 Flagpole Bases <small>(10 75 16)</small>		
10 75 16 00-0022 Flagpole Concrete Base <small>(10 75 16 00-0021)</small> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		

10 Specialties

10 70 Exterior Specialties

10 75 Flagpoles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 75 16 00-0023	EA		30' Or Less Flagpole, Poured Concrete Foundation.....	1,793.33	
10 75 16 00-0024	EA		35' Flagpole, Poured Concrete Foundation.....	1,853.86	
10 75 16 00-0025	EA		40' Flagpole, Poured Concrete Foundation.....	2,129.44	
10 75 16 00-0026	EA		45' Flagpole, Poured Concrete Foundation.....	2,253.01	
10 75 16 00-0027	EA		50' Flagpole, Poured Concrete Foundation.....	2,703.76	
10 75 16 00-0028	EA		60' Flagpole, Poured Concrete Foundation.....	3,276.27	
10 75 16 00-0029	EA		70' Flagpole, Poured Concrete Foundation.....	3,876.15	
10 75 16 00-0030	EA		80' Flagpole, Poured Concrete Foundation.....	4,505.05	
10 75 16 00-0031	EA		90' To 100' Flagpole, Poured Concrete Foundation.....	5,249.98	

10 75 16 00-0032 Direct Embedded Flagpole Base (10 75 16 00-0021)

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base.....	753.98	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base.....	1,081.83	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base.....	1,208.68	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base.....	1,359.83	

10 75 16 00-0037 Flagpole Accessories (10 75 16)

10 75 16 00-0038 Flagpole Tops (10 75 16 00-0037)

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	145.60	54.23
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	158.61	57.42
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	176.93	60.62
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	228.40	63.81
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	298.43	67.00
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	332.66	70.18
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	304.81	70.18
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	354.46	79.75

10 75 16 00-0047 Flagpole Accessories (10 75 16 00-0037)

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.42	0.09
10 75 16 00-0049	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.71	0.09
10 75 16 00-0050	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.55	0.09
10 75 16 00-0051	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.90	0.09
10 75 16 00-0052	EA		Refinish Existing Flagpole Ball.....	438.64	159.42
10 75 16 00-0053	EA		Locking Aluminum Cleat Box For Flagpoles.....	355.83	95.65
10 75 16 00-0054	EA		Aluminum Cleat For Flagpoles.....	29.60	6.37
10 75 16 00-0055	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.82	0.11

10 75 23 Wall-Mounted Flagpoles (10 75)

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	2,300.80	772.45
			For Clear Anodized Finish, Add	60.00	
			For Bronze Anodized Finish, Add	80.00	
			For Black Anodized Finish, Add	90.00	
			For Rope Lock Box, Add	96.00	
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	2,495.09	849.69
			For Clear Anodized Finish, Add	70.00	
			For Bronze Anodized Finish, Add	80.00	
			For Black Anodized Finish, Add	100.00	
			For Rope Lock Box, Add	96.00	
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	2,702.61	926.94
			For Clear Anodized Finish, Add	70.00	
			For Bronze Anodized Finish, Add	110.00	
			For Black Anodized Finish, Add	120.00	
			For Rope Lock Box, Add	96.00	
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	3,130.96	1,081.43
			For Clear Anodized Finish, Add	70.00	
			For Bronze Anodized Finish, Add	90.00	
			For Black Anodized Finish, Add	100.00	
			For Rope Lock Box, Add	96.00	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA		10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish.....	3,034.84	695.20
			For Rope Lock Box, Add	96.00	
10 75 23 00-0008	EA		15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish.....	3,268.90	772.45
			For Rope Lock Box, Add	96.00	
10 75 23 00-0009	EA		20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish.....	3,630.92	926.94
			For Rope Lock Box, Add	96.00	

10 80 Other Specialties (10)



Specialties	10	10
Other Specialties	10 80	
Pest Control Devices	10 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 81 Pest Control Devices (10 80)

10 81 13 Bird Control Devices (10 81)

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier (10 81 13)

Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.65	1.02
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	12.85	1.02
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	18.96	1.02

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier (10 81 13)

Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	9.83	1.02
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	11.91	1.02
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.21	1.02

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier (10 81 13)

Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.30	1.02
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10 81 13 00-0011 Coil Bird Barrier (10 81 13)

Note: Stainless steel coil.

10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	7.95	1.02
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.41	1.02

10 81 13 00-0014 Spider Bird Barrier (10 81 13)

Note: Stainless steel arms with various bases.

10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	138.91	1.02
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	204.70	1.02
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	258.00	1.02

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting (10 81 13)

Note: Includes stainless steel rings and plastic ties.

10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting	1.11	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	1.06	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	1.01	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.97	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting	0.97	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.95	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting	0.92	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting	0.92	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting	0.88	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.99	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.93	0.36
		Note: To control bird and marine predators.		
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.15	

10 81 13 00-0031 Netting Accessories (10 81 13)

10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.13	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	13.75	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	16.18	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	22.99	

10 81 16 Insect Control Devices (10 81)

10 81 16 00-0001 Insect Screening (10 81 16)

10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	139.37	
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10 86 Security Mirrors And Domes (10 80)

10 86 00 00-0001 Dome Mirrors (10 86)

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 Specialties

10 80 Other Specialties

10 86 Security Mirrors And Domes



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0002 Steel Dome Mirrors (10 86 00 00-0001)					
		EA	9" Diameter Full-Dome Steel Dome Mirror.....	316.79	25.52
		EA	12" Diameter Full-Dome Steel Dome Mirror.....	372.49	26.80
		EA	18" Diameter Full-Dome Steel Dome Mirror.....	430.75	29.35
		EA	24" Diameter Full-Dome Steel Dome Mirror.....	574.52	31.90
		EA	9" Diameter Half-Dome Steel Dome Mirror.....	226.86	19.14
		EA	12" Diameter Half-Dome Steel Dome Mirror.....	261.76	20.41
		EA	18" Diameter Half-Dome Steel Dome Mirror.....	305.79	22.33
		EA	24" Diameter Half-Dome Steel Dome Mirror.....	425.17	24.25
10 86 00 00-0011 Plexiglas Dome Mirrors (10 86 00 00-0001)					
		EA	18" Diameter Full-Dome Plexiglas Dome Mirror.....	247.04	29.35
		EA	26" Diameter Full-Dome Plexiglas Dome Mirror.....	348.05	31.90
		EA	32" Diameter Full-Dome Plexiglas Dome Mirror.....	459.93	37.00
		EA	36" Diameter Full-Dome Plexiglas Dome Mirror.....	556.13	44.66
		EA	48" Diameter Full-Dome Plexiglas Dome Mirror.....	811.64	63.81
		EA	18" Diameter Half-Dome Plexiglas Dome Mirror.....	151.65	22.33
		EA	26" Diameter Half-Dome Plexiglas Dome Mirror.....	204.01	24.25
		EA	32" Diameter Half-Dome Plexiglas Dome Mirror.....	268.52	28.07
		EA	36" Diameter Half-Dome Plexiglas Dome Mirror.....	331.07	33.82
		EA	48" Diameter Half-Dome Plexiglas Dome Mirror.....	525.53	47.85
		EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	98.37	19.14
		EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	126.00	21.06
		EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	165.31	23.60
		EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	205.90	28.07
		EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	340.88	39.88
10 86 00 00-0027 Coated Plexiglas Dome Mirrors (10 86 00 00-0001)					
		EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	294.41	29.35
		EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	454.35	31.90
		EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	768.73	44.66
		EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	1,183.69	63.81
		EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	191.40	22.33
		EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	284.20	24.25
		EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	448.93	33.82
		EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	742.75	47.85
		EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	139.28	19.14
		EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	194.86	21.06
		EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	252.20	23.60
		EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	324.21	28.07
		EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	507.27	39.88
10 86 00 00-0041 Circular Convex Security Mirrors (10 86)					
Note: Includes all mounting hardware.					
10 86 00 00-0042 Plexiglas Circular Convex Mirrors (10 86 00 00-0041)					
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.					
		EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	105.55	20.41
		EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	136.86	22.33
		EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	206.56	24.25
		EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	257.89	28.07
		EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	342.63	33.82
		EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	604.10	47.85
		EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	175.92	22.33
		EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	252.77	24.25
		EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	361.11	33.82
		EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	659.56	47.85
10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)					
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.					
		EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	211.97	22.33
		EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	332.73	24.25
		EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	446.69	28.07
		EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	557.54	33.82
		EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	809.77	47.85
		EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	254.26	22.33
		EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	392.81	24.25
		EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	546.06	28.07
		EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	617.62	33.82
		EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	978.46	47.85
10 86 00 00-0064 Security Mirrors (10 86)					
		EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate.....	103.19	39.65



Specialties	10	10
Other Specialties	10 80	
Security Mirrors And Domes	10 86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0066 EA 10" x 14" Framed Stainless Steel Mirror With Mounting Plate	110.09	39.65
10 86 00 00-0067 EA 16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	157.76	33.05
10 86 00 00-0068 EA 8" x 10" Framed Stainless Steel Replacement Mirror	103.57	39.65
10 86 00 00-0069 EA 10" x 14" Framed Stainless Steel Replacement Mirror	149.25	39.65

END OF SECTION 10

10	10	Specialties
	10 80	Other Specialties
	10 86	Security Mirrors And Domes



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Equipment	11	
Operation and Maintenance of Equipment	11 01	11
Operation and Maintenance of Vehicle and Pedestrian Equipment	11 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 01 Operation and Maintenance of Equipment ⁽¹¹⁾

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment ^(11 01)

11 01 10 13 Operation and Maintenance of Parking Equipment ^(11 01 10)

11 01 10 13-0001 Replacement Parking Equipment ^(11 01 10 13)		
11 01 10 13-0002 EA	10' Wood Arm Replacement With Bolts	615.16
11 01 10 13-0003 EA	12' Wood Arm Replacement With Bolts	643.01
11 01 10 13-0004 EA	14' Wood Arm Replacement With Bolts	674.96
11 01 10 13-0005 EA	12' Aluminum Arm Replacement With Bolts	898.29
11 01 10 13-0006 EA	14' Aluminum Arm Replacement With Bolts	928.21
11 01 10 13-0007 EA	16' Aluminum Arm Replacement With Bolts	1,315.51
11 01 10 13-0008 EA	18' Aluminum Arm Replacement With Bolts	1,334.81
11 01 10 13-0009 EA	20' Aluminum Arm Replacement With Bolts	1,371.71
11 01 10 13-0010 EA	22' Aluminum Arm Replacement With Bolts	1,577.48
11 01 10 13-0011 EA	24' Aluminum Arm Replacement With Bolts	1,603.55

11 10 Vehicle and Pedestrian Equipment ⁽¹¹⁾

11 11 Vehicle Service Equipment ^(11 10)

11 11 19 Vehicle Lubrication Equipment ^(11 11)

11 11 19 00-0001 Reels ^(11 11 19)			
11 11 19 00-0002 EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	1,165.75	148.39
11 11 19 00-0003 EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	1,137.19	148.39
11 11 19 00-0004 EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	998.01	148.39
11 11 19 00-0005 EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	1,109.19	148.39

11 11 19 00-0006 Air Operated Powered Pumps ^(11 11 19)

Note: Excludes air compressor.			
11 11 19 00-0007 EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,747.86	197.84
11 11 19 00-0008 EA	1", Antifreeze, Air Operated Diaphragm Pump (Alemite 8325)	1,935.76	197.84
Note: UL listed.			
11 11 19 00-0009 EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,557.58	197.84
11 11 19 00-0010 EA	50:1 High Pressure Grease Pump For 400 LB Drum (Alemite 9979-A)	1,778.94	98.92
Note: Includes pump, drum cover and follower plate.			

11 11 19 00-0011 Pumping Unit Accessories ^(11 11 19)

11 11 19 00-0012 EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	628.57	37.10
11 11 19 00-0013 EA	Flexible Extension, Digital Meter (Alemite 3671)	628.57	37.10
11 11 19 00-0014 EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	628.57	37.10
11 11 19 00-0015 EA	Grease Control Handle (Alemite 6320-A)	343.48	37.10
11 11 19 00-0016 EA	150 PSI Filter/Regulator (Alemite 7936)	188.31	37.10
11 11 19 00-0017 EA	Z Type Grease Swivel (Alemite B331107)	122.59	12.37
11 11 19 00-0018 EA	Suction Hose Assembly (Parker T605-84)	287.49	49.47
11 11 19 00-0019 EA	Unistrut Reel Brackets	249.03	9.90
11 11 19 00-0020 EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	339.66	37.10

11 11 36 Vehicle Charging Equipment ^(11 11)

11 11 36 13 Commercial Electric Vehicle Charging Unit ^(11 11 36)

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) ^(11 11 36 13)

Note: Available with RFID (Radio Frequency Identification) reader.			
11 11 36 13-0002 EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3)	4,259.34	156.87
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0003 EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3)	7,560.36	209.17
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0004 EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3)	7,888.94	156.87
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0005 EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3)	13,471.58	209.17
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0006 EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3)	3,718.60	78.44
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.			
11 11 36 13-0007 EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3)	7,212.14	78.44
Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.			
11 11 36 13-0008 EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3)	3,596.20	104.58
Note: 208 to 240 volt, 30 amperes, 1 phase.			
11 11 36 13-0009 EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3)	6,953.64	104.58
Note: 208 to 240 volt, 30 amperes, 1 phase.			

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 11 Vehicle Service Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 11 36 13-0010 Electric Vehicle Charging Stations (AeroVironment) <small>(11 11 36 13)</small>		
Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011 EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module).....	2,901.68
	Note: Includes charging station only. Excludes mounting bracket or pedestal.	52.29
11 11 36 13-0012 EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	4,145.15
	Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	104.58
11 11 36 13-0013 EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount).....	6,942.23
	Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	130.73
11 11 36 13-0014 EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,354.30
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	156.87
11 11 36 13-0015 EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal).....	7,151.40
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	183.02
11 11 36 13-0016 EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	9,948.49
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	209.17
11 11 36 13-0017 EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal).....	12,745.59
	Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	235.31

11 11 36 13-0018 Electric Vehicle Charging Stations (Leviton) <small>(11 11 36 13)</small>		
11 11 36 13-0019 EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000).....	5,001.99
	Note: 208 to 240 volt, 30 amperes, 1 phase.	104.58
	For Bollard Body (Leviton CPMBX-000), Add	3,217.51
	For Bollard Cap (Leviton CPCAP-B), Add	295.68
	For Wall Mounting Body (Leviton CPMEX-000), Add	2,223.74
	For Wall Mounting Cap (Leviton CPCAP-W), Add	295.68
	For Cord Management Kit (Leviton CPCBX-000), Add	2,027.79
11 11 36 13-0020 EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	3,990.49
	Note: 208 to 240 volt, 30 amperes, 1 phase.	104.58
	For Bollard Body (Leviton CPMBX-000), Add	3,217.51
	For Bollard Cap (Leviton CPCAP-B), Add	295.68
	For Wall Mounting Body (Leviton CPMEX-000), Add	2,223.74
	For Wall Mounting Cap (Leviton CPCAP-W), Add	295.68
	For Cord Management Kit (Leviton CPCBX-000), Add	2,027.79
11 11 36 13-0021 EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000)	9,828.26
	Note: 208 to 240 volt, 30 amperes, 1 phase.	130.73
	For Bollard Body (Leviton CPMBX-000), Add	3,217.51
	For Bollard Cap (Leviton CPCAP-B), Add	295.68
	For Wall Mounting Body (Leviton CPMEX-000), Add	2,223.74
	For Wall Mounting Cap (Leviton CPCAP-W), Add	295.68
	For Cord Management Kit (Leviton CPCBX-000), Add	2,027.79
11 11 36 13-0022 EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000).....	8,813.49
	Note: 208 to 240 volt, 30 amperes, 1 phase.	130.73
	For Bollard Body (Leviton CPMBX-000), Add	3,217.51
	For Bollard Cap (Leviton CPCAP-B), Add	295.68
	For Wall Mounting Body (Leviton CPMEX-000), Add	2,223.74
	For Wall Mounting Cap (Leviton CPCAP-W), Add	295.68
	For Cord Management Kit (Leviton CPCBX-000), Add	2,027.79
11 11 36 13-0023 EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000).....	3,635.85
	For Cap, Add	295.68
11 11 36 13-0024 EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000)	2,642.08
	For Cap, Add	295.68
11 11 36 13-0025 EA	Cord Management Kit For Charging Station (Leviton CPCBX-000).....	2,236.96
	For Cap, Add	295.68

11 12 Parking Control Equipment (11 10)

11 12 16 Parking Ticket Dispensers <small>(11 12)</small>		
11 12 16 00-0001 Parking Ticket Dispensers <small>(11 12 16)</small>		
11 12 16 00-0002 EA	Standard Parking Ticket Dispenser With Time/Date Stamp.....	11,630.05
11 12 16 00-0003 EA	Rate Computing Parking Ticket Dispenser With Printer.....	15,662.54

11 12 23 Parking Meters <small>(11 12)</small>		
11 12 23 00-0001 Parking Meters <small>(11 12 23)</small>		
11 12 23 00-0002 EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter.....	215.41

11 12 26 Parking Fee Collection Equipment <small>(11 12)</small>		
11 12 26 13 Parking Fee Coin Collection Equipment <small>(11 12 26)</small>		
11 12 26 13-0001 Parking Fee Collection Equipment <small>(11 12 26 13)</small>		
11 12 26 13-0002 EA	Multiple Station Slot Box For Parking Fee Collection.....	2,761.20
		74.88

11 12 33 Parking Gates <small>(11 12)</small>		
11 12 33 13 Lift Arm Parking Gates <small>(11 12 33)</small>		



Equipment	11	
Vehicle and Pedestrian Equipment	11 10	↑
Parking Control Equipment	11 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0001 Barrier Parking Gate Operators <small>(11 12 33 13)</small>		
11 12 33 13-0002 Barrier Parking Gate Operators <small>(11 12 33 13-0001)</small> Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003 EA 12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,380.53	612.22
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0004 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,359.93	612.22
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0005 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,620.94	612.22
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0006 EA 20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,241.91	612.22
For 230/460 Volt AC, Add	322.50	
11 12 33 13-0007 EA 14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,565.73	612.22
11 12 33 13-0008 EA 14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,977.86	612.22
11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes <small>(11 12 33 13-0001)</small> Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	18,745.13	1,224.45
11 12 33 13-0011 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	21,874.90	1,224.45
11 12 33 13-0012 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	18,899.68	1,224.45
11 12 33 13-0013 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,029.45	1,224.45
11 12 33 13-0014 Barrier Parking Gate Operator Accessories <small>(11 12 33 13-0001)</small>		
11 12 33 13-0015 EA 12' Plastic Replacement Arm For Barrier Parking Gate Operators	216.73	22.50
11 12 33 13-0016 EA 14' Wood Replacement Arm For Barrier Parking Gate Operators	196.12	22.50
11 12 33 13-0017 EA 14' Aluminum Replacement Arm For Barrier Parking Gate Operators	457.14	22.50
11 12 33 13-0018 EA 20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	688.96	22.50
11 12 33 13-0019 EA Folding Wood Replacement Arm For Barrier Parking Gate Operators	628.86	22.50
11 12 33 13-0020 EA Folding Plastic Replacement Arm For Barrier Parking Gate Operators	628.86	22.50
11 12 33 13-0021 EA Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	766.23	22.50
11 12 33 13-0022 EA Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	656.39	135.01
11 12 33 13-0023 EA Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	656.39	135.01
11 12 33 13-0024 EA Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	657.59	
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,702.19	
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	1,240.03	45.01
Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36 Tire Shredders <small>(11 12)</small>		
11 12 36 00-0001 Tire Shredding Traffic Control Spikes <small>(11 12 36)</small>		
11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0003 EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,678.24	360.02
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0005 EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	4,816.44	180.00
11 12 36 00-0006 EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	3,442.68	180.00
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0008 EA Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	2,144.13	67.50
Note: Includes light and mounting post.		
11 12 36 00-0009 EA Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	1,742.65	90.00
Note: Includes mounting post and hardware.		
11 13 Loading Dock Equipment <small>(11 10)</small>		
11 13 13 Loading Dock Bumpers <small>(11 13)</small>		
11 13 13 00-0001 Laminated Rubber Dock Bumpers <small>(11 13 13)</small>		
11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers <small>(11 13 13 00-0001)</small>		
11 13 13 00-0003 EA 14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	157.55	25.51
11 13 13 00-0004 EA 24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	193.76	25.51
11 13 13 00-0005 EA 36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	244.84	25.51
11 13 13 00-0006 EA 12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	172.98	25.51
11 13 13 00-0007 EA 14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	185.77	25.51
11 13 13 00-0008 EA 18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	208.65	25.51

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0009 EA 24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	244.84	25.51
11 13 13 00-0010 EA 36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	326.56	25.51
11 13 13 00-0011 EA 12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	193.41	25.51
11 13 13 00-0012 EA 12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	208.65	25.51
11 13 13 00-0013 EA 12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	252.11	25.51
11 13 13 00-0014 EA 12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	282.93	25.51
11 13 13 00-0015 EA 12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	383.01	25.51
11 13 13 00-0016 EA 11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	234.10	25.51
11 13 13 00-0017 EA 11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	269.94	25.51
11 13 13 00-0018 EA 11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	346.30	25.51
11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020 EA 12" x 10", 6" Projection, Laminated Rubber Dock Bumper	221.62	25.51
11 13 13 00-0021 EA 14" x 10", 6" Projection, Laminated Rubber Dock Bumper	234.26	25.51
11 13 13 00-0022 EA 18" x 10", 6" Projection, Laminated Rubber Dock Bumper	264.73	25.51
11 13 13 00-0023 EA 24" x 10", 6" Projection, Laminated Rubber Dock Bumper	311.13	25.51
11 13 13 00-0024 EA 36" x 10", 6" Projection, Laminated Rubber Dock Bumper	413.81	25.51
11 13 13 00-0025 EA 12" x 12", 6" Projection, Laminated Rubber Dock Bumper	249.67	25.51
11 13 13 00-0026 EA 14" x 12", 6" Projection, Laminated Rubber Dock Bumper	260.05	25.51
11 13 13 00-0027 EA 18" x 12", 6" Projection, Laminated Rubber Dock Bumper	301.26	25.51
11 13 13 00-0028 EA 24" x 12", 6" Projection, Laminated Rubber Dock Bumper	362.73	25.51
11 13 13 00-0029 EA 36" x 12", 6" Projection, Laminated Rubber Dock Bumper	534.85	25.51
11 13 13 00-0030 EA 11" x 20", 6" Projection, Laminated Rubber Dock Bumper	311.31	25.51
11 13 13 00-0031 EA 11" x 24", 6" Projection, Laminated Rubber Dock Bumper	352.52	25.51
11 13 13 00-0032 EA 11" x 36", 6" Projection, Laminated Rubber Dock Bumper	358.01	25.51
11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035 EA 12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	85.95	25.51
11 13 13 00-0036 EA 18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	91.04	25.51
11 13 13 00-0037 EA 24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	97.83	25.51
11 13 13 00-0038 EA 36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	104.62	25.51
11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0040 EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	112.57	25.51
11 13 13 00-0041 EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	133.97	25.51
11 13 13 00-0042 EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	140.13	25.51
11 13 13 00-0043 EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	154.17	25.51
11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0045 EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	137.85	25.51
11 13 13 00-0046 EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	166.70	25.51
11 13 13 00-0047 EA 24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	190.46	25.51
11 13 13 00-0048 EA 36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	235.79	25.51
11 13 13 00-0049 Molded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0051 EA 18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	123.28	25.51
11 13 13 00-0052 EA 10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	110.18	25.51
11 13 13 00-0053 EA 20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	140.08	25.51
11 13 13 00-0054 EA 30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	170.24	25.51
11 13 13 00-0055 EA 24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	177.36	25.51
11 13 13 00-0056 EA 13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	136.65	25.51
11 13 13 00-0057 EA 18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	171.44	25.51
11 13 13 00-0058 EA 30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	243.05	25.51
11 13 13 00-0059 EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	147.06	25.51
11 13 13 00-0060 EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	210.67	25.51
11 13 13 00-0061 EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	210.05	25.51
11 13 13 00-0062 EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	315.69	25.51
11 13 13 00-0063 T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064 EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	200.25	25.51
11 13 13 00-0065 EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	184.35	25.51
11 13 16 Loading Dock Seals and Shelters (11 13)		
11 13 16 13 Loading Dock Seals (11 13 16)		
11 13 16 13-0001 Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002 Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003 LF 10" Projection, Standard, Vinyl Loading Dock Seal	103.68	25.51



Equipment	11	
Vehicle and Pedestrian Equipment	11 10	↑
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0004 LF 11" Projection, Standard, Vinyl Loading Dock Seal	104.97	25.51
11 13 16 13-0005 LF 12" Projection, Standard, Vinyl Loading Dock Seal	106.27	25.51
11 13 16 13-0006 LF 13" Projection, Standard, Vinyl Loading Dock Seal	108.87	25.51
11 13 16 13-0007 LF 14" Projection, Standard, Vinyl Loading Dock Seal	111.47	25.51
11 13 16 13-0008 LF 15" Projection, Standard, Vinyl Loading Dock Seal	114.10	25.51
11 13 16 13-0009 LF 16" Projection, Standard, Vinyl Loading Dock Seal	116.73	25.51
11 13 16 13-0010 LF 17" Projection, Standard, Vinyl Loading Dock Seal	119.44	25.51
11 13 16 13-0011 LF 18" Projection, Standard, Vinyl Loading Dock Seal	122.14	25.51
11 13 16 13-0012 LF 19" Projection, Standard, Vinyl Loading Dock Seal	124.74	25.51
11 13 16 13-0013 LF 20" Projection, Standard, Vinyl Loading Dock Seal	127.34	25.51
11 13 16 13-0014 LF 22" Projection, Standard, Vinyl Loading Dock Seal	132.61	25.51
11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0016 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.11	25.51
11 13 16 13-0017 LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.41	25.51
11 13 16 13-0018 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	121.71	25.51
11 13 16 13-0019 LF 13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.34	25.51
11 13 16 13-0020 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.98	25.51
11 13 16 13-0021 LF 15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.58	25.51
11 13 16 13-0022 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.17	25.51
11 13 16 13-0023 LF 17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.81	25.51
11 13 16 13-0024 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.44	25.51
11 13 16 13-0025 LF 19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.04	25.51
11 13 16 13-0026 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	142.71	25.51
11 13 16 13-0027 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	147.90	25.51
11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0029 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.34	25.51
11 13 16 13-0030 LF 11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.67	25.51
11 13 16 13-0031 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.01	25.51
11 13 16 13-0032 LF 13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.61	25.51
11 13 16 13-0033 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.20	25.51
11 13 16 13-0034 LF 15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.84	25.51
11 13 16 13-0035 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.47	25.51
11 13 16 13-0036 LF 17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	143.07	25.51
11 13 16 13-0037 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	145.66	25.51
11 13 16 13-0038 LF 19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	148.30	25.51
11 13 16 13-0039 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	150.93	25.51
11 13 16 13-0040 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	156.27	25.51
11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13)</small>		
11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	96.79	25.51
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	98.83	25.51
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	103.35	25.51
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	107.80	25.51
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	112.37	25.51
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	116.83	25.51
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	121.34	25.51
11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	111.39	25.51
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	113.50	25.51
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.01	25.51
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	122.53	25.51
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.98	25.51
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	131.49	25.51
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	135.94	25.51
11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.31	25.51
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	121.35	25.51
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	125.93	25.51
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	130.38	25.51
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	134.89	25.51
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	139.35	25.51
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	143.92	25.51
11 13 16 23 Loading Dock Shelters <small>(11 13 16)</small>		
11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter <small>(11 13 16 23)</small>		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms	160.90	31.88

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 16 23-003	Rigid Loading Dock Shelters <small>(11 13 16 23)</small>		
11 13 16 23-0004	LF 18" Projection, Rigid Loading Dock Shelter.....	121.94	30.61
11 13 16 23-0005	LF 24" Projection, Rigid Loading Dock Shelter.....	126.73	30.61
11 13 16 23-0006	LF 30" Projection, Rigid Loading Dock Shelter.....	131.64	31.88
11 13 16 23-0007	LF 36" Projection, Rigid Loading Dock Shelter.....	134.95	31.88

11 13 19 Stationary Loading Dock Equipment (11 13)

Note: Includes all anchor bolts and fasteners.

11 13 19 13 Loading Dock Levelers (11 13 19)

11 13 19 13-0001	Hydraulic Dock Levelers <small>(11 13 19 13)</small>		
Note: Excludes control panel, remote operator, and electrical wiring.			
11 13 19 13-0002	20,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0003	EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,326.75	1,038.83
11 13 19 13-0004	EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,912.64	1,154.26
11 13 19 13-0005	EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	10,886.68	1,385.12
11 13 19 13-0006	EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,859.59	1,154.26
11 13 19 13-0007	EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	9,619.15	1,269.69
11 13 19 13-0008	EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	11,530.25	1,500.54

11 13 19 13-0009	25,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0010	EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	8,491.42	1,038.83
11 13 19 13-0011	EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	9,081.82	1,154.26
11 13 19 13-0012	EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	11,045.16	1,385.12
11 13 19 13-0013	EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	9,019.48	1,154.26
11 13 19 13-0014	EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	9,766.48	1,269.69
11 13 19 13-0015	EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	11,841.28	1,500.54

11 13 19 13-0016	30,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0017	EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	8,902.83	1,211.97
11 13 19 13-0018	EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	9,473.61	1,385.12
11 13 19 13-0019	EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	11,525.83	1,615.96
11 13 19 13-0020	EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	9,473.61	1,385.12
11 13 19 13-0021	EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	10,185.48	1,558.25
11 13 19 13-0022	EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	12,237.72	1,673.68

11 13 19 13-0023	35,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0024	EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	9,211.90	1,269.69
11 13 19 13-0025	EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	9,784.39	1,442.82
11 13 19 13-0026	EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	11,039.30	1,673.68
11 13 19 13-0027	EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	9,784.39	1,442.82
11 13 19 13-0028	EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	10,628.42	1,615.96
11 13 19 13-0029	EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	12,731.45	1,731.39

11 13 19 13-0030	40,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0031	EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	9,728.77	1,269.69
11 13 19 13-0032	EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	10,300.42	1,442.82
11 13 19 13-0033	EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	12,388.18	1,673.68
11 13 19 13-0034	EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	10,300.42	1,442.82
11 13 19 13-0035	EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	11,145.50	1,615.96
11 13 19 13-0036	EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	13,248.15	1,731.39

11 13 19 13-0037	45,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0038	EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	10,179.33	1,327.40
11 13 19 13-0039	EA 6' x 8', 45,000 LB Hydraulic Dock Leveler.....	10,761.63	1,500.54
11 13 19 13-0040	EA 6' x 10', 45,000 LB Hydraulic Dock Leveler.....	12,836.96	1,731.39
11 13 19 13-0041	EA 7' x 6', 45,000 LB Hydraulic Dock Leveler.....	10,763.38	1,500.54
11 13 19 13-0042	EA 7' x 8', 45,000 LB Hydraulic Dock Leveler.....	11,600.47	1,673.68
11 13 19 13-0043	EA 7' x 10', 45,000 LB Hydraulic Dock Leveler.....	13,687.33	1,789.11

11 13 19 13-0044	Manual Dock Levelers <small>(11 13 19 13)</small>		
11 13 19 13-0045	20,000 LB Manual Dock Levelers <small>(11 13 19 13-0044)</small>		
11 13 19 13-0046	EA 6' x 6', 20,000 LB Manual Dock Leveler.....	6,645.17	1,038.83
11 13 19 13-0047	EA 6' x 8', 20,000 LB Manual Dock Leveler.....	7,241.69	1,154.26
11 13 19 13-0048	EA 6' x 10', 20,000 LB Manual Dock Leveler.....	9,205.10	1,385.12
11 13 19 13-0049	EA 7' x 6', 20,000 LB Manual Dock Leveler.....	7,179.53	1,154.26
11 13 19 13-0050	EA 7' x 8', 20,000 LB Manual Dock Leveler.....	7,937.57	1,269.69
11 13 19 13-0051	EA 7' x 10', 20,000 LB Manual Dock Leveler.....	10,020.17	1,385.12



Equipment	11	
Vehicle and Pedestrian Equipment	11 10	↑
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0052 40,000 LB Manual Dock Levelers <small>(11 13 19 13-0044)</small>		
11 13 19 13-0053 EA 6' x 6', 40,000 LB Manual Dock Leveler.....	8,195.93	1,154.26
11 13 19 13-0054 EA 6' x 8', 40,000 LB Manual Dock Leveler.....	8,767.58	1,269.69
11 13 19 13-0055 EA 6' x 10', 40,000 LB Manual Dock Leveler.....	9,553.17	1,500.54
11 13 19 13-0056 EA 7' x 6', 40,000 LB Manual Dock Leveler.....	8,767.58	1,269.69
11 13 19 13-0057 EA 7' x 8', 40,000 LB Manual Dock Leveler.....	9,960.20	1,385.12
11 13 19 13-0058 EA 7' x 10', 40,000 LB Manual Dock Leveler.....	11,715.30	1,615.96
11 13 19 13-0059 Edge Of Dock Levelers <small>(11 13 19 13)</small>		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060 Hydraulic Edge Of Dock Levelers <small>(11 13 19 13-0059)</small>		
Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061 EA 66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,657.26	346.27
11 13 19 13-0062 EA 72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	5,002.20	346.27
11 13 19 13-0063 EA 66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566).....	4,952.28	346.27
11 13 19 13-0064 EA 72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572).....	5,425.81	346.27
11 13 19 13-0065 EA 66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620).....	5,340.24	346.27
11 13 19 13-0066 EA 72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220).....	5,639.69	346.27
11 13 19 13-0067 Manual Edge Of Dock Levelers <small>(11 13 19 13-0059)</small>		
11 13 19 13-0068 EA 66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066).....	2,459.98	346.27
11 13 19 13-0069 EA 72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072).....	2,667.78	346.27
11 13 19 13-0070 EA 66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566).....	2,731.32	346.27
11 13 19 13-0071 EA 72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572).....	2,887.16	346.27
11 13 19 13-0072 EA 66" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66).....	2,944.67	346.27
11 13 19 13-0073 EA 72" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	3,339.87	346.27
11 13 19 13-0074 EA 78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	3,630.61	346.27
11 13 19 13-0075 EA 72" Usable Width, 30,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	3,672.39	346.27
11 13 19 13-0076 EA 66" Usable Width, 20,000 LB Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R).....	3,275.45	346.27
11 13 19 13-0077 EA 78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	4,481.94	346.27
11 13 19 13-0078 EA 72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	4,222.54	346.27
11 13 19 23 Stationary Loading Dock Lifts <small>(11 13 19)</small>		
11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0002 EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	17,552.62	256.87
11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0004 EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	12,580.85	256.87
11 13 19 23-0005 EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	22,574.14	385.30
11 13 19 23-0006 EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	39,536.96	770.60
11 13 19 23-0007 EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	41,468.24	1,027.46
11 13 19 26 Loading Dock Truck Lifts <small>(11 13 19)</small>		
11 13 19 26-0001 Hydraulic Truck Lifts <small>(11 13 19 26)</small>		
11 13 19 26-0002 EA 10' x 15', 60,000 LB Platform Truck Lift.....	36,387.32	1,799.40
11 13 19 26-0003 EA 10' x 20', 60,000 LB Platform Truck Lift.....	41,609.01	2,159.28
11 13 19 33 Loading Dock Truck Restraints <small>(11 13 19)</small>		
11 13 19 33-0001 Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002 EA Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL60).....	10,129.69	432.85
Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 LB restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.		
11 13 19 33-0003 EA Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4).....	10,592.28	432.85
Note: Includes push button controls, warning lights, alarms, minimum 32,000 LB restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0004 EA Truck Restraint System (Poweramp Powerstop AAL).....	8,581.30	432.85
Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 23 Portable Dock Equipment <small>(11 13)</small>		
11 13 23 23 Portable Dock Platforms <small>(11 13 23)</small>		
11 13 23 23-0001 EA 6' x 6', 5,000 LB Capacity Portable Platform Lift.....	14,615.28	112.51
11 13 26 Loading Dock Lights <small>(11 13)</small>		
11 13 26 00-0001 Communication Lights <small>(11 13 26)</small>		

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 13 Loading Dock Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	393.26	92.05
Note: Excludes control console.		
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC.....	492.01	92.05
11 13 26 00-0004 EA Dock Guide Light For Truck Backing.....	213.03	73.65
11 13 26 00-0005 Communication Lights Controls <small>(11 13 26)</small>		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	414.79	122.74
11 13 26 00-0007 Loading Dock Lights <small>(11 13 26)</small>		
11 13 26 00-0008 Incandescent Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	481.46	122.74
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	427.40	122.74
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	563.78	122.74
11 13 26 00-0012 Metal Halide Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide.....	668.31	122.74
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	732.37	122.74
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	783.61	122.74
11 13 26 00-0016 Quartz Halogen Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen.....	420.20	122.74
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	460.73	122.74
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	495.33	122.74

11 14 Pedestrian Control Equipment (11 10)

11 14 13 Pedestrian Gates (11 14)

11 14 13 16 Rotary Gates (11 14 13)

11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability <small>(11 14 13 16)</small>		
11 14 13 16-0002 Mechanical <small>(11 14 13 16-0001)</small>		
11 14 13 16-0003 Galvanized Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel.....	12,889.36	1,707.90
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	14,526.47	1,707.90
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel.....	28,834.69	2,548.11
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	27,931.87	2,548.11
11 14 13 16-0008 Powder Coated Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	14,547.54	1,707.90
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel.....	16,121.46	1,707.90
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	33,983.77	2,548.11
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	30,652.36	2,548.11
11 14 13 16-0013 Anodized Aluminum <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	15,266.79	1,707.90
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	26,284.20	1,707.90
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	30,519.95	2,548.11
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	51,272.77	2,548.11
11 14 13 16-0018 Stainless Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	23,979.00	1,707.90
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	26,886.08	1,707.90
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	38,464.77	2,548.11
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	47,914.28	2,548.11
11 14 13 16-0023 Transparent <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	47,350.00	1,708.16
11 14 13 16-0025 Mechanical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	255.80	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add.....	180.56	
11 14 13 16-0028 Electrical, One-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0029 Galvanized Steel <small>(11 14 13 16-0002)</small>		



Equipment	11	
Vehicle and Pedestrian Equipment	11 10	↑
Pedestrian Control Equipment	11 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	13,614.63	1,707.90
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,254.75	1,707.90
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	31,543.15	2,548.11
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	29,102.52	2,548.11
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	31,543.15	2,548.11
11 14 13 16-0035 Powder Coated Steel (11 14 13 16-0028)		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,269.80	1,707.90
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,102.52	1,707.90
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	42,103.13	2,548.11
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	31,838.07	2,548.11
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	34,284.71	2,548.11
11 14 13 16-0041 Anodized Aluminum (11 14 13 16-0028)		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,570.74	1,707.90
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,503.65	1,707.90
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	27,187.02	1,707.90
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	32,178.13	2,548.11
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	35,756.31	2,548.11
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	52,834.65	2,548.11
11 14 13 16-0048 Stainless Steel (11 14 13 16-0028)		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	25,498.75	1,707.90
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	27,274.29	1,707.90
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	44,110.40	2,548.11
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	50,234.53	2,548.11
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	55,347.50	2,548.11
11 14 13 16-0054 Transparent (11 14 13 16-0028)		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	43,206.06	1,708.16
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	45,721.92	1,708.16
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	46,820.35	1,708.16
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	76,985.09	2,548.11
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	81,830.22	2,548.11
11 14 13 16-0060 Electrical, Two-Way (11 14 13 16-0001)		
11 14 13 16-0061 Galvanized Steel (11 14 13 16-0060)		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,661.90	1,707.90
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,330.17	1,707.90
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	37,297.12	2,548.11
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	30,971.36	2,548.11
11 14 13 16-0066 Powder Coated Steel (11 14 13 16-0060)		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,187.66	1,707.90
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	18,125.72	1,707.90
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	43,011.97	2,548.11
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	33,721.95	2,548.11
11 14 13 16-0071 Anodized Aluminum (11 14 13 16-0060)		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,602.96	1,707.90
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,493.74	1,707.90
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,387.77	1,707.90
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	34,281.70	2,548.11
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	54,787.75	2,548.11
11 14 13 16-0077 Stainless Steel (11 14 13 16-0060)		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,515.92	1,707.90
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	28,321.56	1,707.90
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	44,856.73	2,548.11
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	51,739.23	2,548.11
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	57,423.99	2,548.11
11 14 13 16-0083 Transparent (11 14 13 16-0060)		

11	11 Equipment
	11 10 Vehicle and Pedestrian Equipment
	11 14 Pedestrian Control Equipment



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	44,078.78		1,708.16
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	46,444.17		1,708.16
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels.....	47,801.41		1,708.16
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	78,820.82		2,548.11
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	83,334.92		2,548.11
11 14 13 16-0089		Electrical Options <small>(11 14 13 16-0001)</small>			
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add.....	1,002.13		
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add.....	704.20		
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction.....	231.72		
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction.....	231.72		
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction.....	183.57		
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add.....	180.56		
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader.....	165.52		
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add.....	4,204.13		
11 14 13 16-0098		Relocate Rotary Gate <small>(11 14 13 16-0001)</small>			
11 14 13 16-0099	EA	Relocate Rotary Gate.....	5,016.91		
11 14 13 19		Turnstiles <small>(11 14 13)</small>			
11 14 13 19-0001		Turnstiles <small>(11 14 13 19)</small>			
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way.....	2,810.51		481.62
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter.....	3,657.88		481.62
11 14 16		Pedestrian Control Devices <small>(11 14)</small>			
11 14 16 00-0001		Retractable Barrier <small>(11 14 16)</small>			
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WGB269387BK).....	96.61		20.24
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791).....	176.39		20.24
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770).....	216.28		20.24
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771).....	355.90		20.24
11 20 Commercial Equipment <small>(11)</small>					
11 21 Retail and Service Equipment <small>(11 20)</small>					
11 21 63 Refrigerated Display Equipment <small>(11 21)</small>					
11 21 63 00-0001		Dairy Products <small>(11 21 63)</small>			
11 21 63 00-0002		Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>			
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck..... <i>For Rear Sliding Doors, Add</i>	2,036.88 19.95		371.17
11 21 63 00-0004		Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>			
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit.....	9,993.00		269.13
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>			
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser.....	11,079.69		295.55
11 21 63 00-0008		Ice Cream Dispenser <small>(11 21 63 00-0001)</small>			
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser.....	9,253.85		248.86
11 21 63 00-0010		Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>			
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer.....	2,307.73		61.94
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer.....	3,015.65		80.99
11 21 63 00-0013		Ice Cream Cabinets <small>(11 21 63 00-0001)</small>			
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet.....	7,227.99		193.56
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet.....	10,296.14		279.34
11 21 63 00-0016		Delicatessen Case, Service Deli <small>(11 21 63)</small>			
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck.....	2,031.13		309.31
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck.....	2,266.56		371.17
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23".....	2,675.40		89.91



Equipment	11	
Commercial Equipment	11 20	↑
Retail and Service Equipment	11 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0020			Meat Case <small>(11 21 63)</small>		
11 21 63 00-0021	LF		Meat Case, Single - Deck	1,486.40	371.17
11 21 63 00-0022	LF		Meat Case, Multi - Deck	1,611.19	371.17
11 21 63 00-0023			Produce Case <small>(11 21 63)</small>		
11 21 63 00-0024	LF		Single Deck Produce Case.....	1,550.08	371.17
11 21 63 00-0025	LF		Multi-Deck Produce Case.....	1,712.79	371.17
11 21 63 00-0026			Bottle Coolers <small>(11 21 63)</small>		
11 21 63 00-0027	EA		Bottle Cooler, 6' Long	5,775.22	1,237.23
11 21 63 00-0028	EA		Bottle Cooler, 10' Long	8,696.27	1,855.85
11 21 63 00-0029			Cold Pan Units <small>(11 21 63)</small>		
11 21 63 00-0030	EA		5" x 48", Iced, Cold Pan Units.....	3,699.33	98.56
11 21 63 00-0031	EA		5" x 72", Iced, Cold Pan Units.....	5,139.52	137.89
11 21 63 00-0032	EA		8" x 72", Iced, Cold Pan Units.....	6,076.85	163.08
11 21 63 00-0033	EA		5" x 48", Mechanical, Cold Pan Units	6,247.10	168.48
11 21 63 00-0034	EA		8" x 48", Mechanical, Cold Pan Units	6,799.42	181.88
11 21 63 00-0035	EA		8" x 72", Mechanical, Cold Pan Units	8,079.26	214.94
11 21 63 00-0036			Cold Cabinets (Insulated) <small>(11 21 63)</small>		
11 21 63 00-0037	EA		69-3/4" x 32" x 24", Insulated Cold Cabinet	3,359.40	85.28

11 22 Banking Equipment (11 20)

11 22 13 Vault Equipment (11 22)

11 22 13 16 Safes (11 22 13)

11 22 13 16-0001 In Room Safes (11 22 13 16)

11 22 13 16-0002	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	823.50	12.76
11 22 13 16-0003	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	770.73	12.76
11 22 13 16-0004	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	802.40	12.76
11 22 13 16-0005	EA		8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25).....	897.39	12.76
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0006	EA		8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41).....	929.06	12.76
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0007	EA		8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49).....	960.72	12.76
			Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0008	EA		7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27)	612.06	15.95
			Note: Includes security wire.		
11 22 13 16-0009	EA		7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43)	633.17	15.95
			Note: Includes security wire.		
11 22 13 16-0010	EA		7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50)	654.28	15.95
			Note: Includes security wire.		

11 30 Residential Equipment (11)

11 30 13 Residential Appliances (11 30)

11 30 13 13 Residential Kitchen Appliances (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens (11 30 13 13)

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens (11 30 13 13-0001)

11 30 13 13-0003	EA		20" Electric Range With Oven	885.96	90.00
			For Stainless Steel, Add	176.49	
11 30 13 13-0004	EA		24" Electric Range With Oven	926.41	90.00
			For Stainless Steel, Add	186.60	
11 30 13 13-0005	EA		30" Electric Range With Oven	897.10	90.00
			For Stainless Steel, Add	201.78	
11 30 13 13-0006	EA		30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHW).....	983.43	90.00

11 30 13 13-0007 Gas Ranges With Ovens (11 30 13 13-0001)

11 30 13 13-0008	EA		20" Gas Range With Oven.....	987.10	90.00
			For Stainless Steel, Add	201.78	
11 30 13 13-0009	EA		24" Gas Range With Oven.....	1,039.69	90.00
			For Stainless Steel, Add	214.92	
11 30 13 13-0010	EA		30" Gas Range With Oven.....	1,088.24	90.00
			For Stainless Steel, Add	227.06	

11 Equipment
11 30 Residential Equipment
11 30 13 Residential Appliances



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13	13-0011		Range Hoods <small>(11 30 13 13)</small>		
11 30 13	13-0012		Venting Range Hoods <small>(11 30 13 13-0011)</small>		
11 30 13	13-0013	EA	21" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	294.18 23.88	67.50
11 30 13	13-0014	EA	24" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	270.54 20.33	67.50
11 30 13	13-0015	EA	30" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	266.39 19.71	67.50
11 30 13	13-0016	EA	36" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	270.54 20.33	67.50
11 30 13	13-0017		Non-Ducted Range Hoods <small>(11 30 13 13-0011)</small>		
11 30 13	13-0018	EA	21" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	297.24 24.33	67.50
11 30 13	13-0019	EA	24" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	273.67 20.80	67.50
11 30 13	13-0020	EA	30" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	269.51 20.18	67.50
11 30 13	13-0021	EA	36" Non-Ducted Range Hood (Broan 41000) <i>For Stainless Steel, Add</i>	273.67 20.80	67.50
11 30 13	13-0022		Microwaves <small>(11 30 13 13)</small>		
11 30 13	13-0023		Countertop Microwaves <small>(11 30 13 13-0022)</small>		
11 30 13	13-0024	EA	1.1 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	188.36 24.88	11.25
11 30 13	13-0025	EA	1.2 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	224.75 30.34	11.25
11 30 13	13-0026	EA	1.3 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	230.82 31.25	11.25
11 30 13	13-0027	EA	1.4 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	283.43 39.14	11.25
11 30 13	13-0028	EA	1.5 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	303.66 42.18	11.25
11 30 13	13-0029	EA	1.6 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	323.89 45.21	11.25
11 30 13	13-0030	EA	1.7 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	344.12 48.24	11.25
11 30 13	13-0031	EA	1.8 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	364.34 51.28	11.25
11 30 13	13-0032	EA	2.0 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	386.57 54.61	11.25
11 30 13	13-0033		Over-The-Range Microwaves <small>(11 30 13 13-0022)</small>		
11 30 13	13-0034	EA	1.5 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	651.99 77.55	89.98
11 30 13	13-0035	EA	1.6 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	739.80 90.72	89.98
11 30 13	13-0036	EA	1.7 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	768.10 94.97	89.98
11 30 13	13-0037	EA	1.8 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	980.49 126.83	89.98
11 30 13	13-0038	EA	2.0 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	780.25 96.79	89.98
11 30 13	13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW).....	494.81	67.49
11 30 13	13-0040		Trash Compactors <small>(11 30 13 13)</small>		
11 30 13	13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction..... <i>For Stainless Steel, Add</i>	1,492.80 236.30	90.00
11 30 13	13-0042		Refrigerators <small>(11 30 13 13)</small>		
11 30 13	13-0043		Top Freezer Refrigerators <small>(11 30 13 13-0042)</small>		
11 30 13	13-0044	EA	Up To 10 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	737.28 97.09	45.01
11 30 13	13-0045	EA	>10 To 12 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	897.10 121.07	45.01
11 30 13	13-0046	EA	>12 To 14 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,000.24 136.54	45.01
11 30 13	13-0047	EA	>14 To 16 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,060.92 145.64	45.01
11 30 13	13-0048	EA	>16 To 18 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,222.75 169.91	45.01
11 30 13	13-0049	EA	>18 To 20 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,362.34 190.85	45.01
11 30 13	13-0050	EA	>20 To 22 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	1,465.48 206.32	45.01



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 30	13	13-0051	EA 14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	1,325.61	45.01
11 30	13	13-0052		Side-By-Side Refrigerators <small>(11 30 13 13-0042)</small>		
	11 30	13	13-0053	EA Up To 22 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i> 212.36	1,505.72	45.01
	11 30	13	13-0054	EA >22 To 24 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i> 267.01	1,870.04	45.01
	11 30	13	13-0055	EA >24 To 26 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i> 303.42	2,112.78	45.01
11 30	13	13-0056		Other Refrigerators <small>(11 30 13 13-0042)</small>		
	11 30	13	13-0057	EA 1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i> 29.77	243.45	22.50
	11 30	13	13-0058	EA 4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i> 43.42	334.47	22.50
11 30	13	13-0059		Freezers <small>(11 30 13 13)</small>		
11 30	13	13-0060		Upright Freezers <small>(11 30 13 13-0059)</small>		
	11 30	13	13-0061	EA Up To 10 CF Upright Freezer <i>For Stainless Steel, Add</i> 90.72	694.82	45.01
	11 30	13	13-0062	EA >10 To 12 CF Upright Freezer <i>For Stainless Steel, Add</i> 121.07	897.10	45.01
	11 30	13	13-0063	EA >12 To 14 CF Upright Freezer <i>For Stainless Steel, Add</i> 130.17	957.78	45.01
	11 30	13	13-0064	EA >14 To 16 CF Upright Freezer <i>For Stainless Steel, Add</i> 151.41	1,099.38	45.01
	11 30	13	13-0065	EA >16 To 18 CF Upright Freezer..... <i>For Stainless Steel, Add</i> 175.98	1,263.20	45.01
	11 30	13	13-0066	EA >18 To 20 CF Upright Freezer..... <i>For Stainless Steel, Add</i> 188.12	1,344.14	45.01
	11 30	13	13-0067	EA >20 To 22 CF Upright Freezer <i>For Stainless Steel, Add</i> 197.22	1,404.80	45.01
11 30	13	13-0068		Chest Freezers <small>(11 30 13 13-0059)</small>		
	11 30	13	13-0069	EA Up To 8 CF Chest Freezer <i>For Stainless Steel, Add</i> 69.78	555.22	45.01
	11 30	13	13-0070	EA >8 To 10 CF Chest Freezer <i>For Stainless Steel, Add</i> 91.02	696.82	45.01
	11 30	13	13-0071	EA >10 To 12 CF Chest Freezer <i>For Stainless Steel, Add</i> 98.61	747.41	45.01
	11 30	13	13-0072	EA >12 To 14 CF Chest Freezer <i>For Stainless Steel, Add</i> 112.26	838.42	45.01
	11 30	13	13-0073	EA >14 To 16 CF Chest Freezer <i>For Stainless Steel, Add</i> 121.07	897.10	45.01
	11 30	13	13-0074	EA >16 To 18 CF Chest Freezer <i>For Stainless Steel, Add</i> 151.41	1,099.38	45.01
	11 30	13	13-0075	EA >18 To 20 CF Chest Freezer <i>For Stainless Steel, Add</i> 190.85	1,362.34	45.01
	11 30	13	13-0076	EA >20 To 22 CF Chest Freezer <i>For Stainless Steel, Add</i> 197.22	1,404.80	45.01
11 30	13	13-0077		Automatic Ice Makers <small>(11 30 13 13)</small>		
	11 30	13	13-0078	EA 15" Wide, 50 LB Per Day, Automatic Ice Maker	2,603.31	90.00
	11 30	13	13-0079	EA 18" Wide, 50 LB Per Day, Automatic Ice Maker	2,906.73	90.00
11 30	13	13-0080		Built-In Dishwashers <small>(11 30 13 13)</small>		
	11 30	13	13-0081	EA 18" Built-In Dishwasher..... <i>For Stainless Steel, Add</i> 160.81	1,252.06	90.00
	11 30	13	13-0082	EA 24" Built-In Dishwasher..... <i>For Stainless Steel, Add</i> 97.09	827.28	90.00
11 30	13	13-0083		Removal And Reinstallation Of Kitchen Equipment <small>(11 30 13 13)</small>		
				Note: Includes storage, cleaning and final connections.		
	11 30	13	13-0084	EA Removal And Reinstallation Of Garbage Disposal	135.01	
	11 30	13	13-0085	EA Removal And Reinstallation Of Stove/Range	270.02	
	11 30	13	13-0086	EA Removal And Reinstallation Of Dishwasher	288.01	
	11 30	13	13-0087	EA Removal And Reinstallation Of Range Hood	135.01	
	11 30	13	13-0088	EA Removal And Reinstallation Of Washer And Dryer.....	225.01	
11 30	13	13-0089		Appliance Repair <small>(11 30 13 13)</small>		
				Note: Includes removal.		
	11 30	13	13-0090	EA 8" Burner Replacement.....	33.66	
	11 30	13	13-0091	EA 4" Burner Element Replacement	59.60	

11 Equipment
11 30 Residential Equipment
11 30 13 Residential Appliances



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0092	EA		8" Burner Element Replacement.....	68.54	
11 30 13 13-0093	EA		Burner Manifold Replacement	229.67	
11 30 13 13-0094	EA		Burner Switch Replacement	94.38	
11 30 13 13-0095	EA		Burner Tube, 5/8" x 4' Replacement	43.65	
11 30 13 13-0096	EA		Oven Control Replacement.....	113.75	
11 30 13 13-0097	EA		Oven Door Gasket Replacement.....	45.07	
11 30 13 13-0098	EA		Oven Element Replacement.....	106.93	
11 30 13 13-0099	EA		Oven Igniter Replacement.....	77.13	
11 30 13 13-0100	EA		Oven Knobs Replacement.....	59.00	
11 30 13 13-0101			Accessories (11 30 13 13)		
11 30 13 13-0102	SF		Colored Metal Range Splash Plate.....	18.91	3.60
11 30 13 13-0103	SF		Stainless Steel Range Splash Plate	28.33	3.60
11 30 13 13-0104			Automatic Water Softener (11 30 13 13)		
11 30 13 13-0105	EA		30,000 Grain Capacity, Water Softener (Whirlpool WHES30).....	1,331.42	227.77
11 30 13 13-0106	EA		40,000 Grain Capacity, Water Softener (Whirlpool WHES40).....	1,579.90	227.77
11 30 13 23			Residential Laundry Appliances (11 30 13)		
11 30 13 23-0001			Washing Machines And Dryers (11 30 13 23)		
11 30 13 23-0002			Washing Machines (11 30 13 23-0001)		
11 30 13 23-0003	EA		Up To 3.5 CF, Top Load Washing Machine.....	964.34	90.00
11 30 13 23-0004	EA		>3.5 To 4 CF, Top Load Washing Machine.....	1,550.95	90.00
11 30 13 23-0005	EA		>4 To 5 CF, Top Load Washing Machine	2,056.65	90.00
11 30 13 23-0006			Dryers (11 30 13 23-0001)		
11 30 13 23-0007			Electric Dryers (11 30 13 23-0006)		
11 30 13 23-0008	EA		Up To 6 CF, Electric Dryer.....	739.83	90.00
11 30 13 23-0009	EA		>6 To 6.5 CF, Electric Dryer	944.11	90.00
11 30 13 23-0010	EA		>6.5 To 7 CF, Electric Dryer	1,166.62	90.00
11 30 13 23-0011	EA		>7 To 7.5 CF, Electric Dryer	1,328.44	90.00
11 30 13 23-0012			Gas Dryers (11 30 13 23-0006)		
11 30 13 23-0013	EA		Up To 6 CF, Gas Dryer.....	883.43	90.00
11 30 13 23-0014	EA		>6 To 6.5 CF, Gas Dryer	1,085.71	90.00
11 30 13 23-0015	EA		>6.5 To 7 CF, Gas Dryer	1,287.76	90.00
11 30 13 23-0016	EA		>7 To 7.5 CF, Gas Dryer	1,470.04	90.00
11 30 33			Retractable Stairs (11 30)		
11 30 33 00-0001			Disappearing Folding Access Stairs (11 30 33)		
11 30 33 00-0002			250 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)		
11 30 33 00-0003	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	830.45	255.22
11 30 33 00-0004	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	845.83	255.22
11 30 33 00-0005	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	845.83	255.22
11 30 33 00-0006	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	860.84	255.22
11 30 33 00-0007			350 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)		
11 30 33 00-0008	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	970.89	255.22
11 30 33 00-0009	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,001.99	255.22
11 30 33 00-0010	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	989.21	255.22
11 30 33 00-0011	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,018.93	255.22
11 30 33 00-0012	EA		30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	1,006.97	255.22
11 30 33 00-0013	EA		30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	1,058.34	255.22
11 30 33 00-0014			400 LB Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001)		
Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.					
11 30 33 00-0015	EA		24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	1,915.46	255.22
11 30 33 00-0016	EA		24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	1,980.41	255.22
11 30 33 00-0017	EA		24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	2,045.37	255.22
11 30 33 00-0018	EA		24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	2,088.67	255.22
11 30 33 00-0019			600 LB Capacity, Wood One Piece Pull Down Access Stairs (11 30 33 00-0001)		
Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0020 EA 24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	2,240.22 240.33	255.22
11 30 33 00-0021 EA 24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	2,283.53 246.82	255.22
11 30 33 00-0022 EA 24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	2,305.18 250.07	255.22
11 30 33 00-0023 EA 24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	2,370.13 259.81	255.22
11 30 33 00-0024 EA 24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	2,520.52 272.80	255.22
11 30 33 00-0025 EA 24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	2,628.78 289.04	255.22
11 30 33 00-0026 EA 24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	2,737.03 305.28	255.22
11 30 33 00-0027 800 LB Capacity, Wood One Piece Pull Down Access Stairs <small>(11 30 33 00-0001)</small> Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0028 EA 30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,122.70 240.33	255.22
11 30 33 00-0029 EA 30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,166.00 246.82	255.22
11 30 33 00-0030 EA 30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,209.30 250.07	255.22
11 30 33 00-0031 EA 30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,317.56 259.81	255.22
11 30 33 00-0032 EA 30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,446.32 272.80	255.22
11 30 33 00-0033 EA 30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,511.27 289.04	255.22
11 30 33 00-0034 EA 30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,619.53 305.28	255.22
11 30 33 00-0035 EA 30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	4,834.90 321.52	255.22
11 30 33 00-0036 EA 30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	5,029.75 338.06	255.22
11 30 33 00-0037 EA 30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	5,267.92 354.50	255.22
11 30 33 00-0038 EA 30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity <i>For Ladder Width 18 7/8" Wide, Add</i>	5,484.42 371.04	255.22
11 30 33 00-0039 300 LB Capacity, Aluminum Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0040 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	850.09	255.22
11 30 33 00-0041 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	881.70	255.22
11 30 33 00-0042 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	858.89	255.22
11 30 33 00-0043 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	890.48	255.22
11 30 33 00-0044 EA 25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	1,066.44	255.22
11 30 33 00-0045 300 LB Capacity, Steel Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0046 EA 22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	927.06	255.22
11 30 33 00-0047 EA 22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	971.29	255.22
11 32 Unit Kitchens <small>(11 30)</small>		
11 32 13 Metal Unit Kitchens <small>(11 32)</small>		
Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.		
11 32 13 00-0001 30" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0002 EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink..... <i>For Gas Unit, Add</i>	2,551.22 259.03	618.27
11 32 13 00-0003 EA 30" Compact Unit Kitchen With Refrigerator And Sink.....	2,136.57	432.79
11 32 13 00-0004 EA 30" Compact Unit Kitchen With Refrigerator And Range.....	1,946.01	370.96
11 32 13 00-0005 EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	650.20	382.62
11 32 13 00-0006 EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section..... <i>For Range Hood In Upper Section, Add</i>	1,267.17 179.00	255.08
11 32 13 00-0007 EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	77.68	18.00
11 32 13 00-0008 EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	70.27	18.00
11 32 13 00-0009 42" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0010 EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink..... <i>For Gas Unit, Add</i>	2,956.73 307.49	680.10

11	11 Equipment
	11 30 Residential Equipment
	11 32 Unit Kitchens



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink.....		2,646.98	556.44
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section.....		812.70	216.81
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....		1,465.85	286.96
		<i>For Range Hood In Upper Section, Add</i>		179.00	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....		92.74	18.00
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....		78.15	18.00
11 32 13 00-0016		54" Compact Kitchen <small>(11 32 13)</small>			
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....		3,983.25	865.58
		<i>For Gas Unit, Add</i>		424.37	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section.....		1,000.71	127.54
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....		1,629.96	318.85
		<i>For Range Hood In Upper Section, Add</i>		179.00	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....		107.61	18.00
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....		81.56	18.00
11 32 13 00-0022		60" Compact Kitchen <small>(11 32 13)</small>			
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....		4,196.09	927.40
		<i>For Gas Unit, Add</i>		443.93	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section.....		1,195.15	318.85
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....		113.86	18.00
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....		81.56	18.00
11 32 13 00-0027		72" Compact Kitchen <small>(11 32 13)</small>			
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....		4,498.12	989.23
		<i>For Gas Unit, Add</i>		476.87	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section.....		1,456.47	382.62
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....		132.54	22.49
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....		85.65	22.49
11 40 Foodservice Equipment <small>(11)</small>					
11 41 Foodservice Storage Equipment <small>(11 41)</small>					
11 41 13 Refrigerated Food Storage Cases <small>(11 41)</small>					
11 41 13 00-0001		Frozen Food Cases <small>(11 41 13)</small>			
11 41 13 00-0002	LF	Chest Type Frozen Food Case.....		1,538.83	371.17
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door).....		2,976.42	371.17
11 41 13 00-0004	LF	Island Type Frozen Food Case.....		1,791.44	371.17
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case.....		2,854.17	371.17
11 41 13 00-0006		Reach-In Refrigerators <small>(11 41 13)</small>			
11 41 13 00-0007	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....		6,438.19	174.13
11 41 13 00-0008	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....		7,928.11	219.62
11 41 13 00-0009	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....		10,614.07	242.63
11 41 13 00-0010	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....		5,943.35	174.13
11 41 13 00-0011	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....		7,734.32	219.62
11 41 13 00-0012	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....		10,300.91	242.63
11 41 13 00-0013	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....		7,748.78	174.13
11 41 13 00-0014	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....		10,488.70	219.62
11 41 13 00-0015	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....		8,086.16	174.13
11 41 13 00-0016	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....		11,660.29	219.62
11 41 13 00-0017		Reach-In Freezers <small>(11 41 13)</small>			
11 41 13 00-0018	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....		7,250.81	174.34
11 41 13 00-0019	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....		9,619.70	219.31
11 41 23 Walk-In-Coolers <small>(11 41)</small>					
11 41 23 00-0001		Walk-In Refrigerated Boxes <small>(11 41 23)</small>			
		Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.			
11 41 23 00-0002		Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>			
		Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.			
11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....		19,088.89	1,541.19
		<i>For Refrigerated Boxes Without Floor, Deduct</i>		-4,258.40	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....		22,897.75	1,733.84
		<i>For Refrigerated Boxes Without Floor, Deduct</i>		-5,146.49	



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0005	EA		6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,176.58	1,926.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,401.98	
11 41 23 00-0006	EA		6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,234.37	2,311.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,038.41	
11 41 23 00-0007	EA		6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,391.98	2,697.09
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,949.45	
11 41 23 00-0008	EA		6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,619.30	3,082.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,627.18	
11 41 23 00-0009	EA		6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,785.10	3,467.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,290.38	
11 41 23 00-0010	EA		8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,219.95	1,926.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,662.82	
11 41 23 00-0011	EA		8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,593.41	2,119.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,192.16	
11 41 23 00-0012	EA		8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,997.77	2,504.44
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,914.26	
11 41 23 00-0013	EA		8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,588.66	2,889.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,933.92	
11 41 23 00-0014	EA		8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,056.55	3,275.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,672.85	
11 41 23 00-0015	EA		8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,644.68	3,660.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,440.84	
11 41 23 00-0016	EA		8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,110.39	4,045.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,179.77	
11 41 23 00-0017	EA		8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,685.25	4,430.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,943.94	
11 41 23 00-0018	EA		8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	53,168.42	4,816.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,686.70	
11 41 23 00-0019			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,352.78	2,311.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,068.01	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,103.45	2,697.09
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,877.31	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,031.45	3,082.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,730.22	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,723.52	3,467.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,524.99	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,717.74	3,852.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,396.25	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,403.84	4,238.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,187.19	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,413.66	4,623.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,063.05	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	58,086.66	5,008.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,853.23	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	62,086.34	5,394.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,724.49	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,782.99	5,779.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,519.26	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	70,039.43	6,357.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,391.28	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,958.23	6,935.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,181.46	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,847.28	2,889.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,748.58	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,233.10	3,275.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,716.99	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,234.30	3,660.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,588.25	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,599.57	4,045.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,552.07	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	55,621.16	4,430.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,427.92	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	59,985.54	4,816.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,390.98	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,978.77	5,201.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,262.24	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	68,370.35	5,586.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,230.65	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	72,502.13	6,068.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,101.91	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,127.14	6,646.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,065.73	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	81,398.78	7,224.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,941.58	
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	86,013.27	7,802.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,904.64	
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	90,260.88	8,380.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,775.90	
11 41 23 00-0045			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,511.11	3,467.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,721.88	
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,441.61	3,852.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,827.22	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	61,798.33	4,238.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,035.82	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	66,729.13	4,623.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,141.91	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	72,057.45	5,008.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,345.92	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,014.84	5,394.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,456.61	
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	82,348.45	5,779.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,660.62	
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,541.17	6,357.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,766.72	
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	93,133.65	6,935.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,975.32	
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	98,356.41	7,513.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,080.65	
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	103,924.30	8,091.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,285.43	
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	109,140.34	8,572.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,395.35	
11 41 23 00-0058			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	61,883.37	4,045.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,123.02	
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,630.66	4,430.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,430.30	
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,182.22	4,816.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,690.15	
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,937.86	5,201.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,002.01	
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	84,495.21	5,586.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,261.86	
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	90,371.04	6,068.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,569.14	
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	96,198.53	6,646.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,833.58	
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	102,195.87	7,224.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,140.85	
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	107,997.54	7,802.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,400.70	
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	114,007.56	8,380.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,712.57	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	72,524.29	4,623.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,590.70	
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,433.96	5,008.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,940.05	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	84,673.38	5,394.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,371.25	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	90,573.04	5,779.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,716.77	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	97,081.46	6,357.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,151.79	
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	103,221.63	6,935.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,497.31	
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	109,747.84	7,513.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,928.51	
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	115,894.02	8,091.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,277.86	
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	122,395.15	8,669.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,709.05	
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	128,782.36	9,375.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-29,054.57	
11 41 23 00-0079			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,196.52	1,541.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,535.31	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,326.12	1,733.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,253.58	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,584.06	1,926.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,753.85	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,849.91	2,311.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,442.29	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,099.32	2,697.09
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,376.28	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,534.70	3,082.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,106.03	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,792.29	3,467.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,792.18	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,743.71	1,926.49
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,043.76	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,208.95	2,119.14
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,596.05	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,821.37	2,504.44
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,370.16	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,504.06	2,889.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,412.77	
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,180.01	3,275.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,203.71	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,859.94	3,660.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,994.66	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	48,533.70	4,045.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,785.60	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,200.36	4,430.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,572.72	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	55,891.60	4,816.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,367.49	
11 41 23 00-0096			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,060.12	2,311.79
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,494.85	
11 41 23 00-0098	EA		10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,018.85	2,697.09
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,356.16	
11 41 23 00-0099	EA		10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,038.64	3,082.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,232.02	
11 41 23 00-0100	EA		10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,938.78	3,467.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,078.80	
11 41 23 00-0101	EA		10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,024.79	3,852.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,973.01	
11 41 23 00-0102	EA		10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	52,918.95	4,238.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,815.97	
11 41 23 00-0103	EA		10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	57,020.56	4,623.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,714.77	
11 41 23 00-0104	EA		10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	60,901.62	5,008.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,556.97	
11 41 23 00-0105	EA		10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	64,993.10	5,394.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,451.18	
11 41 23 00-0106	EA		10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	68,897.81	5,779.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,297.96	
11 41 23 00-0107	EA		10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,246.04	6,357.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,192.94	
11 41 23 00-0108	EA		10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,372.90	6,839.05
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,035.13	
11 41 23 00-0109	EA		12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,970.75	2,889.74
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,279.44	
11 41 23 00-0110	EA		12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,448.36	3,275.04
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,270.80	
11 41 23 00-0111	EA		12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,657.62	3,660.33
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,194.08	
11 41 23 00-0112	EA		12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,114.68	4,045.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,180.85	



Equipment	11	
Foodservice Equipment	11 40	↑
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0113	EA		12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	58,344.33	4,430.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,108.71	
11 41 23 00-0114	EA		12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	62,800.50	4,816.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,094.72	
11 41 23 00-0115	EA		12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,001.79	5,201.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,017.99	
11 41 23 00-0116	EA		12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	71,485.17	5,586.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,009.35	
11 41 23 00-0117	EA		12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	75,825.02	6,068.45
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,932.63	
11 41 23 00-0118	EA		12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	80,541.82	6,646.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,919.40	
11 41 23 00-0119	EA		12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	85,021.52	7,224.35
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,847.27	
11 41 23 00-0120	EA		12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	89,727.80	7,802.29
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,833.27	
11 41 23 00-0121	EA		12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	94,183.47	8,380.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,756.55	
11 41 23 00-0122			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0123	EA		14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	53,818.16	3,467.69
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,298.65	
11 41 23 00-0124	EA		14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	58,956.72	3,852.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,455.99	
11 41 23 00-0125	EA		14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	64,405.23	4,238.28
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,687.54	
11 41 23 00-0126	EA		14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	69,544.10	4,623.58
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,845.66	
11 41 23 00-0127	EA		14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	74,964.21	5,008.88
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,072.61	
11 41 23 00-0128	EA		14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	80,129.66	5,394.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,235.32	
11 41 23 00-0129	EA		14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	85,555.06	5,779.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,462.27	
11 41 23 00-0130	EA		14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	90,955.85	6,357.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,620.39	
11 41 23 00-0131	EA		14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	96,640.12	6,935.37
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,851.94	
11 41 23 00-0132	EA		14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	102,070.94	7,513.32
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,009.28	
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	107,730.62	8,091.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,237.01	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	113,154.72	8,669.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,398.94	
11 41 23 00-0135			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	64,606.54	4,045.63
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,803.81	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	70,445.62	4,430.93
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,134.04	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	76,205.24	4,816.23
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,445.90	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	82,052.68	5,201.53
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,780.72	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,818.09	5,586.83
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,092.58	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	93,785.72	6,068.45
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,422.81	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	99,821.27	6,646.40
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,739.26	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	105,910.40	7,224.35
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,069.49	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	111,920.13	7,802.29
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,381.35	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	118,021.94	8,380.24
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,716.16	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	75,431.05	4,623.58
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,317.39	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	81,548.78	5,008.88
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,718.76	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,880.00	5,394.18
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,172.90	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	93,987.72	5,779.48
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,570.44	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	100,587.92	6,357.42
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,028.41	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	106,936.16	6,935.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,425.95	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	113,554.16	7,513.32
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,880.09	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	119,908.41	8,091.27
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,281.45	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	126,501.33	8,669.21
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-28,735.60	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	133,096.60	9,375.59
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-30,133.13	
11 41 23 00-0156		Walk-In Refrigerated Unit Metal Price Add-Ons <small>(11 41 23 00-0001)</small>		
11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.30	
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®.....	2.41	
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®.....	3.38	
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	23.87	
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®.....	31.21	
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®.....	3.85	
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	9.47	
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.24	
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	12.85	
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-17.26	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.20	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	18.68	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	16.38	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	53.09	
11 41 23 00-0171		Air Cooled Condensing Units For Walk-In Coolers And Freezers <small>(11 41 23)</small>		
11 41 23 00-0172		Medium Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173		208/230 Volt, 1 Phase <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,932.53	170.83
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,205.33	199.30
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,998.18	227.77
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,467.20	256.24
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,123.95	284.72
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,001.90	341.66
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,885.44	398.61
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,671.36	455.54



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0182 208/230 Volt, 3 Phase <small>(11 41 23 00-0172)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,006.77	227.77
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,467.20	256.24
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,201.22	284.72
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,909.92	341.66
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,885.44	398.61
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,564.65	455.54
11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190 208/230 Volt, 1 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,232.95	170.83
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,662.32	199.30
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,376.33	227.77
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,604.98	256.24
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,017.99	284.72
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,857.40	341.66
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,156.86	398.61
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,802.28	455.54
11 41 23 00-0199 208/230 Volt, 3 Phase <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,340.63	227.77
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,619.45	256.24
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,093.25	284.72
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,786.00	341.66
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,179.05	398.61
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,713.52	455.54
11 41 23 00-0206 Low Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,608.35	170.83
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,811.23	199.30
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,084.04	227.77
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,494.19	256.24
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,063.85	284.72
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,339.20	341.66
11 41 23 00-0214 208/230 Volt, 3 Phase <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,092.63	227.77
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,494.19	256.24
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,143.58	284.72
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,250.89	341.66
11 41 23 00-0219 Low Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 208/230 Volt, 1 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,980.72	170.83
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,059.84	199.30
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,336.77	227.77
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,786.37	256.24
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,314.21	284.72
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,111.16	341.66
11 41 23 00-0227 208/230 Volt, 3 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,511.41	227.77
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,872.25	256.24
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,383.68	284.72
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,040.72	341.66

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0232	Medium Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.	
11 41 23 00-0233	208/230 Volt, 1 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.	
11 41 23 00-0234 EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,369.82 227.77
11 41 23 00-0235 EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	14,600.29 455.54
11 41 23 00-0236	208/230 Volt, 3 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.	
11 41 23 00-0237 EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,374.73 227.77
11 41 23 00-0238 EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,826.36 284.72
11 41 23 00-0239 EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,022.82 341.66
11 41 23 00-0240 EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,400.37 455.54
11 41 23 00-0241	Medium Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.	
11 41 23 00-0242	208/230 Volt, 1 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.	
11 41 23 00-0243 EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,594.38 227.77
11 41 23 00-0244 EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,780.40 455.54
11 41 23 00-0245	208/230 Volt, 3 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.	
11 41 23 00-0246 EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,604.03 227.77
11 41 23 00-0247 EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,619.10 284.72
11 41 23 00-0248 EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,511.73 341.66
11 41 23 00-0249 EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	12,459.51 455.54
11 41 23 00-0250	Low Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.	
11 41 23 00-0251	208/230 Volt, 1 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.	
11 41 23 00-0252 EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,523.84 199.30
11 41 23 00-0253 EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,965.91 227.77
11 41 23 00-0254 EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,176.97 256.24
11 41 23 00-0255 EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,476.42 284.72
11 41 23 00-0256 EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,985.64 341.66
11 41 23 00-0257	208/230 Volt, 3 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.	
11 41 23 00-0258 EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,489.50 199.30
11 41 23 00-0259 EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,961.00 227.77
11 41 23 00-0260 EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,130.37 256.24
11 41 23 00-0261 EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,395.47 284.72
11 41 23 00-0262 EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	11,555.13 341.66
11 41 23 00-0263 EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	16,176.64 398.61
11 41 23 00-0264 EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	17,038.35 512.49
11 41 23 00-0265 EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	24,595.33 597.91
11 41 23 00-0266	Low Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.	
11 41 23 00-0267	208/230 Volt, 1 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.	
11 41 23 00-0268 EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,741.03 199.30



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,022.78	227.77
	11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,005.96	256.24
	11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,047.09	284.72
	11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,077.14	341.66
	11 41 23 00-0273		208/230 Volt, 3 Phase <small>(11 41 23 00-0266)</small>		
			Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,656.12	199.30
	11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,026.64	227.77
	11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,991.48	256.24
	11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,975.70	284.72
	11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,771.28	341.66
	11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,223.34	398.61
	11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	15,034.67	512.49
	11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	21,127.86	597.91
	11 41 23 00-0282		Walk-In Refrigerated Boxes Accessories <small>(11 41 23)</small>		
			See CSI section 08 71 00 00-0000 for additional door accessories.		
	11 41 23 00-0283		Accessories <small>(11 41 23 00-0282)</small>		
	11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door.....	1,445.55	
			Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
	11 41 23 00-0285	EA	Super Door Package, For 48" Door.....	2,023.85	
			Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
	11 41 23 00-0286	EA	Super Door Package, For 60" Door.....	2,023.85	
			Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
	11 41 23 00-0287	EA	14" x 24" Observation Window, Heated.....	2,395.67	
	11 41 23 00-0288	EA	Heated Air Vent, Kason.....	789.30	
	11 41 23 00-0289	EA	Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	2,028.50	
	11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors.....	3,035.19	
	11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors.....	3,325.86	
	11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors.....	3,662.44	
	11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors.....	1,180.98	
	11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors.....	2,233.53	
	11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors.....	2,233.53	
	11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights.....	227.89	
	11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes.....	1,320.22	
	11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	3,003.08	
	11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	3,159.12	
	11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	1,473.21	
	11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar.....	803.12	
	11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar.....	925.51	
	11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar.....	925.51	
	11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler).....	1,696.57	
	11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer).....	2,100.45	
	11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors.....	3,414.60	
	11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors.....	3,610.42	
	11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors.....	3,714.45	
	11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door.....	168.29	
	11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door.....	137.69	
	11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door.....	425.30	
	11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door.....	229.48	
	11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door.....	521.67	
	11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door.....	374.80	
	11 41 23 00-0315	EA	4" Screed Door.....	917.81	
	11 41 23 00-0316	EA	Doors Cut For Tile.....	1,138.11	
	11 41 23 00-0317	EA	84" High Doors (36" Wide).....	1,138.11	
	11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel.....	2,756.72	
	11 41 23 00-0319	EA	57-1/2" Door Section.....	682.21	
	11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches.....	634.84	
	11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch.....	320.63	
	11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23").....	599.68	
	11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23").....	771.02	
	11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle.....	80.00	
	11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel.....	105.25	
	11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel.....	154.97	
	11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel.....	250.58	
	11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support.....	42.83	
	11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening.....	8.06	
	11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening.....	53.55	
	11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening.....	17.07	
	11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening.....	82.61	
	11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	101.88	
	11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps.....	41.07	
	11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps.....	16.83	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0336	SF		Outdoor Weather Roofs, Painted Aluminum Roofs.....	51.01	
11 41 23 00-0337	SF		1/8" Aluminum Tread Plate.....	99.29	
11 41 23 00-0338	SF		3/16" Aluminum Tread Plate.....	120.91	
11 41 23 00-0339	EA		Digitemp Display Thermometer (Indoor Exterior Wall).....	654.14	
11 41 23 00-0340	EA		4-1/2" Dial Type Thermometer With 5' Cap Tube.....	583.77	
11 41 23 00-0341	EA		6" Dial Type Thermometer With 5' Cap Tube.....	1,963.71	
11 41 23 00-0342	EA		2" Dial Type Thermometer (Standard).....	179.88	
11 41 23 00-0343	LF		Extra Capillary Tubing.....	25.92	
11 41 23 00-0344			Partition Wall For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
			Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.		
11 41 23 00-0345	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	7,092.41	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	348.20	
11 41 23 00-0346	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	7,729.14	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	379.71	
11 41 23 00-0347	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	7,949.74	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	390.42	
11 41 23 00-0348	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	8,598.72	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	422.55	
11 41 23 00-0349	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	8,415.43	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	413.07	
11 41 23 00-0350	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	9,049.10	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	444.43	
11 41 23 00-0351	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	9,239.10	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	453.61	
11 41 23 00-0352	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	10,142.03	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	498.43	
11 41 23 00-0353	EA		13'-6" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	9,738.45	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	477.93	
11 41 23 00-0354	EA		14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	10,375.18	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	509.45	
11 41 23 00-0355	EA		15'-5" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	10,611.08	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	520.92	
11 41 23 00-0356	EA		16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	11,250.87	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	552.59	
11 41 23 00-0357	EA		17'-4" Length Partition Wall, 7'-2"/7'-6" High..... Note: Galvalume both sides.	12,977.23	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	638.59	
11 41 23 00-0358	EA		5'-10" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	7,747.20	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	380.94	
11 41 23 00-0359	EA		6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	8,286.01	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	407.56	
11 41 23 00-0360	EA		7'-9" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	8,546.39	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	420.26	
11 41 23 00-0361	EA		8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	9,265.74	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	455.90	
11 41 23 00-0362	EA		9'-8" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	9,045.74	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	444.58	
11 41 23 00-0363	EA		10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	9,762.02	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	480.07	
11 41 23 00-0364	EA		11'-7" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	10,025.46	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	492.93	
11 41 23 00-0365	EA		12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	10,741.74	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	528.42	
11 41 23 00-0366	EA		13'-6" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	10,521.75	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	517.10	
11 41 23 00-0367	EA		14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	11,238.03	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	552.59	
11 41 23 00-0368	EA		15'-5" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	11,501.47	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	565.44	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0369	EA		16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	12,217.75	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	600.93	
11 41 23 00-0370	EA		17'-4" Length Partition Wall, 8'-2"/8'-6" High..... Note: Galvalume both sides.	11,997.75	
			<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	589.61	
11 41 23 00-0371			Glass Doors For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small> Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA		23" x 67" Glass Door, Displayrite, Coolrite Model.....	3,038.33	
11 41 23 00-0373	EA		23" x 73" Glass Door, Displayrite, Coolrite Model.....	3,319.82	
11 41 23 00-0374	EA		30" x 67" Glass Door, Displayrite, Coolrite Model.....	3,347.36	
11 41 23 00-0375	EA		30" x 73" Glass Door, Displayrite, Coolrite Model.....	3,702.29	
11 41 23 00-0376	EA		23" x 67" Glass Door, Displayrite, Freezerite Model.....	4,063.34	
11 41 23 00-0377	EA		23" x 73" Glass Door, Displayrite, Freezerite Model.....	4,320.36	
11 41 23 00-0378	EA		30" x 67" Glass Door, Displayrite, Freezerite Model.....	4,335.66	
11 41 23 00-0379	EA		30" x 73" Glass Door, Displayrite, Freezerite Model.....	5,045.52	
11 41 23 00-0380	EA		24" x 67" Glass Door, Anthony Model 101.....	4,130.66	
11 41 23 00-0381	EA		26" x 67" Glass Door, Anthony Model 101.....	5,115.89	
11 41 23 00-0382	EA		30" x 67" Glass Door, Anthony Model 101.....	5,461.64	
11 41 23 00-0383	EA		30x75 Glass Door, Anthony Model 101.....	5,577.92	
11 41 23 00-0384	EA		24" x 67" Glass Door, Anthony Model 101.....	6,290.84	
11 41 23 00-0385	EA		26" x 67" Glass Door, Anthony Model 101.....	6,982.34	
11 41 23 00-0386	EA		30" x 67" Glass Door, Anthony Model 101.....	7,110.85	
11 41 23 00-0387	EA		30" x 75" Glass Door, Anthony Model 101.....	7,585.11	
11 41 23 00-0388	EA		23" x 67" Glass Door, Anthony Model 401.....	3,261.69	
11 41 23 00-0389	EA		26-3/4" x 67" Glass Door, Anthony Model 401.....	3,436.09	
11 41 23 00-0390	EA		30-1/4" x 67" Glass Door, Anthony Model 401.....	4,620.21	
11 41 23 00-0391	EA		30-1/4" x 75" Glass Door, Anthony Model 401.....	3,962.37	
11 41 23 00-0392	EA		23" x 67" Glass Door, Anthony Model 401.....	4,399.91	
11 41 23 00-0393	EA		26-3/4" x 67" Glass Door, Anthony Model 401.....	4,604.92	
11 41 23 00-0394	EA		30-1/4" x 67" Glass Door, Anthony Model 401.....	4,620.21	
11 41 23 00-0395	EA		30-1/4" x 75" Glass Door, Anthony Model 401.....	5,501.42	
11 41 23 00-0396			Modular Wire Shelving For Walk-In Refrigerated Boxes <small>(11 41 23 00-0282)</small>		
11 41 23 00-0397	EA		14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,038.72 402.00	
11 41 23 00-0398	EA		14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,094.11 402.00	
11 41 23 00-0399	EA		14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,222.92 402.00	
11 41 23 00-0400	EA		14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,290.53 402.00	
11 41 23 00-0401	EA		14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,401.28 402.00	
11 41 23 00-0402	EA		18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,204.26 402.00	
11 41 23 00-0403	EA		18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,232.10 402.00	
11 41 23 00-0404	EA		18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,363.97 402.00	
11 41 23 00-0405	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,425.46 402.00	
11 41 23 00-0406	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,631.07 402.00	
11 41 23 00-0407	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,314.71 402.00	
11 41 23 00-0408	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,327.25 402.00	
11 41 23 00-0409	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,520.31 402.00	
11 41 23 00-0410	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,526.73 402.00	
11 41 23 00-0411	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,762.93 402.00	
11 41 23 00-0412	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	879.61 402.00	
11 41 23 00-0413	EA		14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	922.76 402.00	
11 41 23 00-0414	EA		14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,014.85 402.00	
11 41 23 00-0415	EA		14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,033.51 402.00	
11 41 23 00-0416	EA		14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,180.98 402.00	
11 41 23 00-0417	EA		18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	971.72 402.00	
11 41 23 00-0418	EA		18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,042.39 402.00	
11 41 23 00-0419	EA		18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,103.89 402.00	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0420	EA		18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,116.43 402.00	
11 41 23 00-0421	EA		18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,322.03 402.00	
11 41 23 00-0422	EA		21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,069.93 402.00	
11 41 23 00-0423	EA		21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,110.01 402.00	
11 41 23 00-0424	EA		21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,192.92 402.00	
11 41 23 00-0425	EA		21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,236.06 402.00	
11 41 23 00-0426	EA		21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,447.78 402.00	
11 41 23 00-0427	EA		14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,508.41 402.00	
11 41 23 00-0428	EA		14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,799.20 402.00	
11 41 23 00-0429	EA		14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,854.64 402.00	
11 41 23 00-0430	EA		14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,910.09 402.00	
11 41 23 00-0431	EA		14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,521.05 402.00	
11 41 23 00-0432	EA		18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,632.51 402.00	
11 41 23 00-0433	EA		18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,795.81 402.00	
11 41 23 00-0434	EA		18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,096.39 402.00	
11 41 23 00-0435	EA		18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,220.47 402.00	
11 41 23 00-0436	EA		18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,939.29 402.00	
11 41 23 00-0437	EA		21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,844.84 402.00	
11 41 23 00-0438	EA		21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,106.19 402.00	
11 41 23 00-0439	EA		21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,406.77 402.00	
11 41 23 00-0440	EA		21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,530.86 402.00	
11 41 23 00-0441	EA		21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	4,485.00 402.00	
11 41 23 00-0442	EA		14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,223.22 472.00	
11 41 23 00-0443	EA		14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,321.43 472.00	
11 41 23 00-0444	EA		14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,434.94 472.00	
11 41 23 00-0445	EA		14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,539.27 472.00	
11 41 23 00-0446	EA		14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,668.39 472.00	
11 41 23 00-0447	EA		18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,459.12 472.00	
11 41 23 00-0448	EA		18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,493.08 472.00	
11 41 23 00-0449	EA		18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,652.48 472.00	
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,732.34 472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,983.85 472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,594.05 472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,643.30 472.00	
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,824.13 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,861.16 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,143.25 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,030.45 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,082.77 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,196.28 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,218.00 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,399.14 472.00	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,171.50 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,254.42 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,438.30 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,420.24 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,592.20 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,291.13 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,340.39 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,444.72 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,493.99 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,757.73 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,062.07 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,423.93 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,491.63 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,559.34 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	4,319.84 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,215.57 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,418.09 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,792.21 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,945.71 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	4,841.03 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,479.38 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,804.47 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	4,178.59 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	4,332.09 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	5,521.57 472.00	

11 41 31 Non-Refrigerated Storage Equipment (11 41)

11 41 31 00-0001 Wall Cabinets (11 41 31)					
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,420.12	99.61
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,193.28	131.50
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	3,665.21	150.75
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	2,345.66	96.17
11 41 31 00-0006 Mobile Sheet Pan Truck (11 41 31)					
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck	224.58	7.74
11 41 31 00-0008 Pot And Utensil Rack (11 41 31)					
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack	655.30	23.59
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack	759.40	26.66
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack	902.84	31.96
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack	491.00	17.45
11 41 31 00-0013 Tray And Silverware Cart (11 41 31)					
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart	2,266.31	79.64
11 41 31 00-0015 Flat Top Utility Units (11 41 31)					
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,545.20	54.44
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,070.65	72.76

11	11 Equipment
	11 40 Foodservice Equipment
	11 41 Foodservice Storage Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 33 Foodservice Shelving ^(11 41)

11 41 33 00-0001 Shelving/Racks ^(11 41 33)

11 41 33 00-0002 Chrome Shelving Units ^(11 41 33 00-0001)

11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit ^(11 41 33 00-0002)

11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	354.90	36.26
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	375.05	36.55
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	400.07	36.86
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	415.47	37.16
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	445.22	37.46
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	470.32	37.76
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	490.48	38.05
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	535.64	38.66
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	389.48	36.55
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	404.89	36.86
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	420.31	37.16
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	464.59	37.46
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	494.41	37.76
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	533.84	38.05
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	549.14	38.35
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	604.09	38.96
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	409.73	36.86
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	444.31	37.16
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	469.43	37.46
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	499.16	37.76
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	519.41	38.05
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	568.51	38.35
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	593.51	38.66
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	658.02	39.26
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	454.09	37.16
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	474.27	37.46
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	489.57	37.76
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	529.10	38.05
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	554.08	38.35
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	603.20	38.66
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	637.76	38.96
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	721.62	39.55
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	609.28	37.46
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	687.19	37.76
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	736.40	38.05
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	848.21	38.35
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	675.49	38.66
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	748.78	38.96
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	841.16	39.26
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	990.70	39.85

11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit ^(11 41 33 00-0002)

11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	359.65	36.26
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	379.80	36.55
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	404.79	36.86
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	420.22	37.16
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	449.96	37.46
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	475.04	37.76
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	495.22	38.05
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	540.36	38.66
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	394.20	36.55
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	409.63	36.86
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	425.06	37.16
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	469.31	37.46
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	499.16	37.76
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	538.56	38.05
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	553.88	38.35
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	561.97	38.96
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	414.47	36.86
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	449.05	37.16
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	474.15	37.46
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	503.88	37.76
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	524.16	38.05
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	573.23	38.35
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	598.25	38.66
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	662.77	39.26
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	458.83	37.16
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	478.99	37.46
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	494.31	37.76
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	533.84	38.05
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	558.82	38.35
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	607.92	38.66



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0075	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	642.48	38.96
11 41 33 00-0076	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	726.37	39.55
11 41 33 00-0077	EA		30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	614.00	37.46
11 41 33 00-0078	EA		30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	691.93	37.76
11 41 33 00-0079	EA		30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	741.12	38.05
11 41 33 00-0080	EA		30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	852.93	38.35
11 41 33 00-0081	EA		36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	680.21	38.66
11 41 33 00-0082	EA		36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	753.50	38.96
11 41 33 00-0083	EA		36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	845.96	39.26
11 41 33 00-0084	EA		36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	995.42	39.85
11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)					
11 41 33 00-0086	EA		14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	362.12	36.26
11 41 33 00-0087	EA		14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	382.27	36.55
11 41 33 00-0088	EA		14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	407.26	36.86
11 41 33 00-0089	EA		14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	422.69	37.16
11 41 33 00-0090	EA		14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	452.43	37.46
11 41 33 00-0091	EA		14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	477.51	37.76
11 41 33 00-0092	EA		14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	497.69	38.05
11 41 33 00-0093	EA		14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	542.83	38.66
11 41 33 00-0094	EA		18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	396.70	36.55
11 41 33 00-0095	EA		18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	412.10	36.86
11 41 33 00-0096	EA		18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	427.53	37.16
11 41 33 00-0097	EA		18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	471.80	37.46
11 41 33 00-0098	EA		18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	501.63	37.76
11 41 33 00-0099	EA		18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	541.03	38.05
11 41 33 00-0100	EA		18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	556.35	38.35
11 41 33 00-0101	EA		18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	611.30	38.96
11 41 33 00-0102	EA		21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	416.94	36.86
11 41 33 00-0103	EA		21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	451.52	37.16
11 41 33 00-0104	EA		21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	476.62	37.46
11 41 33 00-0105	EA		21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	506.35	37.76
11 41 33 00-0106	EA		21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	526.63	38.05
11 41 33 00-0107	EA		21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	575.70	38.35
11 41 33 00-0108	EA		21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	600.73	38.66
11 41 33 00-0109	EA		21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	665.24	39.26
11 41 33 00-0110	EA		24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	461.30	37.16
11 41 33 00-0111	EA		24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	481.46	37.46
11 41 33 00-0112	EA		24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	496.78	37.76
11 41 33 00-0113	EA		24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	536.31	38.05
11 41 33 00-0114	EA		24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	561.29	38.35
11 41 33 00-0115	EA		24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	610.41	38.66
11 41 33 00-0116	EA		24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	644.95	38.96
11 41 33 00-0117	EA		24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	728.84	39.55
11 41 33 00-0118	EA		30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	616.47	37.46
11 41 33 00-0119	EA		30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	694.40	37.76
11 41 33 00-0120	EA		30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	743.62	38.05
11 41 33 00-0121	EA		30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	855.40	38.35
11 41 33 00-0122	EA		36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	682.68	38.66
11 41 33 00-0123	EA		36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	755.97	38.96
11 41 33 00-0124	EA		36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	848.40	39.26
11 41 33 00-0125	EA		36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	997.89	39.85
11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)					
11 41 33 00-0127	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	369.31	36.26
11 41 33 00-0128	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	389.48	36.55
11 41 33 00-0129	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	414.47	36.86
11 41 33 00-0130	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	429.90	37.16
11 41 33 00-0131	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	459.65	37.46
11 41 33 00-0132	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	484.73	37.76
11 41 33 00-0133	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	504.91	38.05
11 41 33 00-0134	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	550.05	38.66
11 41 33 00-0135	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	403.89	36.55
11 41 33 00-0136	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	419.32	36.86
11 41 33 00-0137	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	434.74	37.16
11 41 33 00-0138	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	478.99	37.46
11 41 33 00-0139	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	508.82	37.76
11 41 33 00-0140	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	548.25	38.05
11 41 33 00-0141	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	563.57	38.35
11 41 33 00-0142	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	618.49	38.96
11 41 33 00-0143	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	424.16	36.86
11 41 33 00-0144	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	458.74	37.16
11 41 33 00-0145	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	483.84	37.46
11 41 33 00-0146	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	513.56	37.76
11 41 33 00-0147	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	533.84	38.05
11 41 33 00-0148	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	582.91	38.35
11 41 33 00-0149	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	607.92	38.66
11 41 33 00-0150	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	672.45	39.26
11 41 33 00-0151	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	468.52	37.16

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0152	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	488.68	37.46
11 41 33 00-0153	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	504.00	37.76
11 41 33 00-0154	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	543.50	38.05
11 41 33 00-0155	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	568.51	38.35
11 41 33 00-0156	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	617.60	38.66
11 41 33 00-0157	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	652.17	38.96
11 41 33 00-0158	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	736.05	39.55
11 41 33 00-0159	EA		30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	623.69	37.46
11 41 33 00-0160	EA		30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	701.62	37.76
11 41 33 00-0161	EA		30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	750.81	38.05
11 41 33 00-0162	EA		30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	862.62	38.35
11 41 33 00-0163	EA		36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	689.90	38.66
11 41 33 00-0164	EA		36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	763.18	38.96
11 41 33 00-0165	EA		36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	855.64	39.26
11 41 33 00-0166	EA		36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	1,005.11	39.85
11 41 33 00-0167			86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0168	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	388.58	36.26
11 41 33 00-0169	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	408.73	36.55
11 41 33 00-0170	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	433.72	36.86
11 41 33 00-0171	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	449.15	37.16
11 41 33 00-0172	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	478.90	37.46
11 41 33 00-0173	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	504.00	37.76
11 41 33 00-0174	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	524.16	38.05
11 41 33 00-0175	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	569.32	38.66
11 41 33 00-0176	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	423.16	36.55
11 41 33 00-0177	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	438.56	36.86
11 41 33 00-0178	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	453.99	37.16
11 41 33 00-0179	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	498.27	37.46
11 41 33 00-0180	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	528.09	37.76
11 41 33 00-0181	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	567.52	38.05
11 41 33 00-0182	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	582.82	38.35
11 41 33 00-0183	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	637.76	38.96
11 41 33 00-0184	EA		21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	443.41	36.86
11 41 33 00-0185	EA		21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	477.99	37.16
11 41 33 00-0186	EA		21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	503.11	37.46
11 41 33 00-0187	EA		21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	532.81	37.76
11 41 33 00-0188	EA		21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	553.09	38.05
11 41 33 00-0189	EA		21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	602.19	38.35
11 41 33 00-0190	EA		21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	627.19	38.66
11 41 33 00-0191	EA		21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	691.70	39.26
11 41 33 00-0192	EA		24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	487.77	37.16
11 41 33 00-0193	EA		24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	507.93	37.46
11 41 33 00-0194	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	523.25	37.76
11 41 33 00-0195	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	562.78	38.05
11 41 33 00-0196	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	587.76	38.35
11 41 33 00-0197	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	636.87	38.66
11 41 33 00-0198	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	671.42	38.96
11 41 33 00-0199	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	755.30	39.55
11 41 33 00-0200	EA		30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	642.94	37.46
11 41 33 00-0201	EA		30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	720.87	37.76
11 41 33 00-0202	EA		30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	770.08	38.05
11 41 33 00-0203	EA		30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	881.86	38.35
11 41 33 00-0204	EA		36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	709.15	38.66
11 41 33 00-0205	EA		36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	782.43	38.96
11 41 33 00-0206	EA		36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	874.91	39.26
11 41 33 00-0207	EA		36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	1,024.36	39.85
11 41 33 00-0208			96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0209	EA		14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	459.71	36.26
11 41 33 00-0210	EA		14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	484.67	36.55
11 41 33 00-0211	EA		14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	515.70	36.86
11 41 33 00-0212	EA		14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	534.75	37.16
11 41 33 00-0213	EA		14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	571.71	37.46
11 41 33 00-0214	EA		14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	602.86	37.76
11 41 33 00-0215	EA		14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	627.83	38.05
11 41 33 00-0216	EA		14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	683.83	38.66
11 41 33 00-0217	EA		18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	502.70	36.55
11 41 33 00-0218	EA		18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	521.75	36.86
11 41 33 00-0219	EA		18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	540.79	37.16
11 41 33 00-0220	EA		18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	595.90	37.46
11 41 33 00-0221	EA		18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	632.97	37.76
11 41 33 00-0222	EA		18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	682.03	38.05
11 41 33 00-0223	EA		18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	700.92	38.35
11 41 33 00-0224	EA		18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	769.15	38.96
11 41 33 00-0225	EA		21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	527.81	36.86
11 41 33 00-0226	EA		21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	570.80	37.16
11 41 33 00-0227	EA		21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	601.97	37.46
11 41 33 00-0228	EA		21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	638.88	37.76



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0229	EA		21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	664.01	38.05
11 41 33 00-0230	EA		21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	725.14	38.35
11 41 33 00-0231	EA		21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	756.18	38.66
11 41 33 00-0232	EA		21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	836.37	39.26
11 41 33 00-0233	EA		24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	583.03	37.16
11 41 33 00-0234	EA		24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	608.01	37.46
11 41 33 00-0235	EA		24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	626.92	37.76
11 41 33 00-0236	EA		24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	676.11	38.05
11 41 33 00-0237	EA		24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	707.11	38.35
11 41 33 00-0238	EA		24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	768.26	38.66
11 41 33 00-0239	EA		24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	811.24	38.96
11 41 33 00-0240	EA		24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	915.65	39.55
11 41 33 00-0241	EA		30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	776.77	37.46
11 41 33 00-0242	EA		30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	873.95	37.76
11 41 33 00-0243	EA		30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	935.22	38.05
11 41 33 00-0244	EA		30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,074.77	38.35
11 41 33 00-0245	EA		36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	858.63	38.66
11 41 33 00-0246	EA		36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	950.02	38.96
11 41 33 00-0247	EA		36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,065.37	39.26
11 41 33 00-0248	EA		36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	1,251.74	39.85
11 41 33 00-0249			Galvanized Shelving Units (11 41 33 00-0001)		
11 41 33 00-0250			54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0251	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	404.03	36.26
11 41 33 00-0252	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	425.60	36.55
11 41 33 00-0253	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	452.44	36.86
11 41 33 00-0254	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	474.01	37.16
11 41 33 00-0255	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	506.04	37.46
11 41 33 00-0256	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	532.76	37.76
11 41 33 00-0257	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	559.61	38.05
11 41 33 00-0258	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	602.74	38.66
11 41 33 00-0259	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	441.11	36.55
11 41 33 00-0260	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	457.62	36.86
11 41 33 00-0261	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	489.52	37.16
11 41 33 00-0262	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	526.71	37.46
11 41 33 00-0263	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	558.70	37.76
11 41 33 00-0264	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	600.94	38.05
11 41 33 00-0265	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	632.96	38.35
11 41 33 00-0266	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	681.44	38.96
11 41 33 00-0267	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	462.78	36.86
11 41 33 00-0268	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	505.13	37.16
11 41 33 00-0269	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	531.87	37.46
11 41 33 00-0270	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	563.88	37.76
11 41 33 00-0271	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	585.46	38.05
11 41 33 00-0272	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	643.29	38.35
11 41 33 00-0273	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	670.14	38.66
11 41 33 00-0274	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	749.56	39.26
11 41 33 00-0275	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	515.47	37.16
11 41 33 00-0276	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	537.04	37.46
11 41 33 00-0277	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	553.55	37.76
11 41 33 00-0278	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	595.79	38.05
11 41 33 00-0279	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	643.29	38.35
11 41 33 00-0280	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	695.97	38.66
11 41 33 00-0281	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	738.31	38.96
11 41 33 00-0282	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	833.33	39.55
11 41 33 00-0283			63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0284	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	414.37	36.26
11 41 33 00-0285	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	435.93	36.55
11 41 33 00-0286	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	462.78	36.86
11 41 33 00-0287	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	484.34	37.16
11 41 33 00-0288	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	516.38	37.46
11 41 33 00-0289	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	543.09	37.76
11 41 33 00-0290	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	569.94	38.05
11 41 33 00-0291	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	613.08	38.66
11 41 33 00-0292	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	451.45	36.55
11 41 33 00-0293	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	467.96	36.86
11 41 33 00-0294	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	499.86	37.16
11 41 33 00-0295	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	537.04	37.46
11 41 33 00-0296	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	569.03	37.76
11 41 33 00-0297	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	611.28	38.05
11 41 33 00-0298	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	643.29	38.35
11 41 33 00-0299	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	691.70	38.96
11 41 33 00-0300	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	473.11	36.86
11 41 33 00-0301	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	515.47	37.16
11 41 33 00-0302	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	542.20	37.46
11 41 33 00-0303	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	574.21	37.76
11 41 33 00-0304	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	595.79	38.05

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0305	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	653.62	38.35
11 41 33 00-0306	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	680.48	38.66
11 41 33 00-0307	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	759.89	39.26
11 41 33 00-0308	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	525.80	37.16
11 41 33 00-0309	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	547.38	37.46
11 41 33 00-0310	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	563.88	37.76
11 41 33 00-0311	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	606.12	38.05
11 41 33 00-0312	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	653.62	38.35
11 41 33 00-0313	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	706.30	38.66
11 41 33 00-0314	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	748.65	38.96
11 41 33 00-0315	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	843.67	39.55
11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0317	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	424.70	36.26
11 41 33 00-0318	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	446.27	36.55
11 41 33 00-0319	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	473.11	36.86
11 41 33 00-0320	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	494.68	37.16
11 41 33 00-0321	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	526.71	37.46
11 41 33 00-0322	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	553.42	37.76
11 41 33 00-0323	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	580.28	38.05
11 41 33 00-0324	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	623.41	38.66
11 41 33 00-0325	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	461.78	36.55
11 41 33 00-0326	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	478.29	36.86
11 41 33 00-0327	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	510.19	37.16
11 41 33 00-0328	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	547.38	37.46
11 41 33 00-0329	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	579.37	37.76
11 41 33 00-0330	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	621.61	38.05
11 41 33 00-0331	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	653.62	38.35
11 41 33 00-0332	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	702.03	38.96
11 41 33 00-0333	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	483.44	36.86
11 41 33 00-0334	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	525.80	37.16
11 41 33 00-0335	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	552.53	37.46
11 41 33 00-0336	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	584.55	37.76
11 41 33 00-0337	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	606.12	38.05
11 41 33 00-0338	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	663.96	38.35
11 41 33 00-0339	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	690.81	38.66
11 41 33 00-0340	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	770.22	39.26
11 41 33 00-0341	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	536.13	37.16
11 41 33 00-0342	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	557.71	37.46
11 41 33 00-0343	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	574.21	37.76
11 41 33 00-0344	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	616.46	38.05
11 41 33 00-0345	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	663.96	38.35
11 41 33 00-0346	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	716.63	38.66
11 41 33 00-0347	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	758.98	38.96
11 41 33 00-0348	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	854.00	39.55
11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0350	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	450.64	36.26
11 41 33 00-0351	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	472.21	36.55
11 41 33 00-0352	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	499.06	36.86
11 41 33 00-0353	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	520.62	37.16
11 41 33 00-0354	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	552.66	37.46
11 41 33 00-0355	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	579.37	37.76
11 41 33 00-0356	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	606.22	38.05
11 41 33 00-0357	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	649.35	38.66
11 41 33 00-0358	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	487.72	36.55
11 41 33 00-0359	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	504.23	36.86
11 41 33 00-0360	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	536.13	37.16
11 41 33 00-0361	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	573.32	37.46
11 41 33 00-0362	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	605.31	37.76
11 41 33 00-0363	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	647.55	38.05
11 41 33 00-0364	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	679.57	38.35
11 41 33 00-0365	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	727.98	38.96
11 41 33 00-0366	EA		21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	509.39	36.86
11 41 33 00-0367	EA		21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	551.75	37.16
11 41 33 00-0368	EA		21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	578.48	37.46
11 41 33 00-0369	EA		21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	610.49	37.76
11 41 33 00-0370	EA		21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	632.07	38.05
11 41 33 00-0371	EA		21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	689.90	38.35
11 41 33 00-0372	EA		21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	716.76	38.66
11 41 33 00-0373	EA		21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	796.17	39.26
11 41 33 00-0374	EA		24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	562.08	37.16
11 41 33 00-0375	EA		24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	583.66	37.46
11 41 33 00-0376	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	600.16	37.76
11 41 33 00-0377	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	642.40	38.05
11 41 33 00-0378	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	689.90	38.35
11 41 33 00-0379	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	742.58	38.66
11 41 33 00-0380	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	784.92	38.96
11 41 33 00-0381	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	879.94	39.55



Equipment	11	
Foodservice Equipment	11 40	↩
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0383 EA 18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	784.68	37.16
11 41 33 00-0384 EA 18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	864.19	37.76
11 41 33 00-0385 EA 18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	969.54	38.35
11 41 33 00-0386 EA 18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,033.47	38.96
11 41 33 00-0387 EA 24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	858.93	37.76
11 41 33 00-0388 EA 24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	995.39	38.35
11 41 33 00-0389 EA 24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,100.74	38.96
11 41 33 00-0390 EA 24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,257.86	39.55
11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0392 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	795.01	37.16
11 41 33 00-0393 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	874.54	37.76
11 41 33 00-0394 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	979.88	38.35
11 41 33 00-0395 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,043.80	38.96
11 41 33 00-0396 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	869.27	37.76
11 41 33 00-0397 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,005.72	38.35
11 41 33 00-0398 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,111.08	38.96
11 41 33 00-0399 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,268.20	39.55
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	805.34	37.16
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	884.88	37.76
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	990.23	38.35
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,054.13	38.96
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	879.60	37.76
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,016.06	38.35
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,121.41	38.96
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,278.56	39.55
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit <small>(11 41 33 00-0249)</small>		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	831.29	37.16
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	910.80	37.76
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,016.15	38.35
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,080.08	38.96
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	905.55	37.76
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,042.00	38.35
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,147.35	38.96
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,304.48	39.55
11 41 33 00-0418 Stainless Steel Shelving Unit <small>(11 41 33 00-0001)</small>		
11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,008.72	37.16
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,179.89	37.76
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,396.33	38.35
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,623.04	38.96
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,194.27	37.76
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,390.68	38.35
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,648.29	38.96
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,988.73	39.55
11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0429 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,044.76	37.16
11 41 33 00-0430 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,215.93	37.76
11 41 33 00-0431 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,437.50	38.35
11 41 33 00-0432 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,659.06	38.96
11 41 33 00-0433 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,230.31	37.76
11 41 33 00-0434 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,426.70	38.35
11 41 33 00-0435 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,684.31	38.96
11 41 33 00-0436 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,024.77	39.55
11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0438 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,080.78	37.16
11 41 33 00-0439 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,251.95	37.76
11 41 33 00-0440 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,473.52	38.35
11 41 33 00-0441 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,695.10	38.96
11 41 33 00-0442 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,266.33	37.76
11 41 33 00-0443 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,462.74	38.35
11 41 33 00-0444 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,720.35	38.96

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0445	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,060.79	39.55
11 41 33 00-0446			63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0447	EA		18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,680.50	37.16
11 41 33 00-0448	EA		18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,860.74	37.76
11 41 33 00-0449	EA		18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,100.21	38.35
11 41 33 00-0450	EA		18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,244.61	38.96
11 41 33 00-0451	EA		24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,018.78	37.76
11 41 33 00-0452	EA		24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,383.04	38.35
11 41 33 00-0453	EA		24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,648.55	38.96
11 41 33 00-0454	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	3,045.89	39.55
11 41 33 00-0455			74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0456	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,732.26	37.16
11 41 33 00-0457	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,915.65	37.76
11 41 33 00-0458	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,159.36	38.35
11 41 33 00-0459	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,306.22	38.96
11 41 33 00-0460	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,070.57	37.76
11 41 33 00-0461	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,434.81	38.35
11 41 33 00-0462	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,703.24	38.96
11 41 33 00-0463	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	3,105.05	39.55
11 41 33 00-0464			86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit <small>(11 41 33 00-0418)</small>		
11 41 33 00-0465	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,784.05	37.16
11 41 33 00-0466	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,966.43	37.76
11 41 33 00-0467	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,208.87	38.35
11 41 33 00-0468	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,355.04	38.96
11 41 33 00-0469	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,122.34	37.76
11 41 33 00-0470	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,486.60	38.35
11 41 33 00-0471	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,753.36	38.96
11 41 33 00-0472	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	3,152.57	39.55
11 41 33 00-0473			Galvanized Steel Dunnage Rack <small>(11 41 33 00-0001)</small>		
11 41 33 00-0474	EA		18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	264.99	26.72
11 41 33 00-0475	EA		18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	279.37	27.47
11 41 33 00-0476	EA		18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	295.78	28.21
11 41 33 00-0477	EA		18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	326.33	28.96
11 41 33 00-0478	EA		18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	352.85	29.70
11 41 33 00-0479	EA		24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	285.21	26.72
11 41 33 00-0480	EA		24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	311.73	27.47
11 41 33 00-0481	EA		24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	328.13	28.21
11 41 33 00-0482	EA		24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	356.66	28.96
11 41 33 00-0483	EA		24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	389.25	29.70
11 41 33 00-0484			Stainless Steel Dunnage Rack <small>(11 41 33 00-0001)</small>		
11 41 33 00-0485	EA		18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	717.23	28.21
11 41 33 00-0486	EA		18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	900.09	28.96
11 41 33 00-0487	EA		18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,523.72	29.70
11 41 33 00-0488	EA		24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	784.85	28.21
11 41 33 00-0489	EA		24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	978.39	28.96
11 41 33 00-0490	EA		24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,661.92	29.70
11 41 33 00-0491			Mobile Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492	EA		Mobile Rack With Pan Slide	1,924.92	45.00
11 41 33 00-0493			Can Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494	EA		27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack	4,048.25	45.00
			Note: 156 #10 cans capacity		

11 42 Food Preparation Equipment (11 40)

11 42 13 Food Preparation Appliances (11 42)

11 42 13 00-0001 Vertical Cutter Mixers (11 42 13)

11 42 13 00-0002	EA		Bench Type Mixers, 25 Quart	11,308.45	235.31
11 42 13 00-0003	EA		Bench Type Mixers, 40 Quart	13,069.84	261.45
11 42 13 00-0004	EA		Bench Type Mixers, 80 Quart	16,236.28	376.50
11 42 13 00-0005	EA		Bench Type Mixers, 130 Quart	18,144.90	470.62

11 42 13 00-0006 Choppers (11 42 13)



Equipment	11	
Foodservice Equipment	11 40	⇩
Food Preparation Equipment	11 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0007 EA Choppers, 5 LB.....	2,865.67	209.17
11 42 13 00-0008 EA Choppers, 16 LB.....	4,202.32	271.92
11 42 13 00-0009 EA Choppers, 35 LB - 40 LB.....	8,098.86	334.66
11 42 13 00-0010 EA Choppers, 35 LB - 40 LB/Min, 2 HP.....	6,716.62	297.32
11 42 13 00-0011 EA Choppers, 35 LB - 40 LB/Min, 3 HP.....	7,614.42	297.32
11 42 13 00-0012 Stand Model Mixer (11 42 13)		
11 42 13 00-0013 EA 10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10).....	1,354.55	101.48
11 42 13 00-0014 EA 20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20).....	1,684.05	101.48
11 42 13 00-0015 EA 10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10).....	4,438.62	101.48
11 42 13 00-0016 EA 20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1).....	9,357.79	99.36
11 42 13 00-0017 Floor Model Mixer (11 42 13)		
11 42 13 00-0018 EA 30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30).....	3,496.26	101.48
11 42 13 00-0019 EA 40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40).....	4,836.82	112.78
11 42 13 00-0020 EA 60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60).....	8,324.67	126.86
11 42 13 00-0021 EA 30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1).....	17,797.12	99.36
11 42 13 00-0022 EA 40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1).....	21,852.04	101.97
11 42 13 00-0023 EA 60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1).....	27,833.62	104.58
11 42 13 00-0024 EA 80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1).....	41,106.51	130.73
11 42 13 00-0025 EA 140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1).....	52,654.97	167.33
11 42 13 00-0026 Slicers (11 42 13)		
11 42 13 00-0027 EA 1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312).....	665.79	31.71
11 42 13 00-0028 EA 1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512).....	965.78	31.71
11 42 13 00-0029 EA 1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN).....	1,387.43	31.71
11 42 13 00-0030 EA 1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A).....	2,351.20	31.71
11 42 13 00-0031 EA 3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A).....	2,592.15	31.71
11 42 13 00-0032 EA 1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11).....	6,839.30	31.71
11 42 13 00-0033 Peelers (11 42 13)		
11 42 13 00-0034 EA 22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10).....	3,685.51	169.95
11 42 13 00-0035 EA 44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20).....	4,256.29	198.19
11 42 13 00-0036 EA 66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30).....	6,602.63	226.63
11 42 13 00-0037 EA 20 Lb, 115 Voltage, Potato Peeler (Hobart 6115).....	5,891.53	169.95
11 42 13 00-0038 EA 40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1).....	11,942.56	198.19
11 42 13 00-0039 EA 60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1).....	12,720.09	226.63
11 42 13 00-0040 Proof Boxes (11 42 13)		
11 42 13 00-0041 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box.....	3,550.08	79.64
11 42 13 00-0042 EA 30-1/2" x 45", Stainless Steel Proof Box.....	5,940.31	133.46
11 42 13 00-0043 EA 30-1/2" x 45", Galvanized Proof Box.....	3,340.50	60.58
11 42 13 00-0044 Non-Insulated Heated Proof Cabinet (11 42 13)		
11 42 13 00-0045 EA Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet.....	2,161.81	76.32
11 42 13 00-0046 EA Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet.....	2,319.04	81.60
11 42 13 00-0047 EA Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet.....	2,147.14	75.70
11 42 13 00-0048 EA Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet.....	2,275.67	80.25
11 42 13 00-0049 Insulated Heated Proof Cabinet (11 42 13)		
11 42 13 00-0050 EA 3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	3,541.84	145.90
11 42 13 00-0051 EA 3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	3,701.29	152.54
11 42 13 00-0052 Pass-Thru Hot Food Holding Cabinet (11 42 13)		
11 42 13 00-0053 EA Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	7,521.27	219.62
11 42 13 00-0054 EA Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	8,003.20	219.62
11 42 13 00-0055 EA Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	10,223.64	230.08
11 42 13 00-0056 EA Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	11,208.08	230.08
11 42 16 Food Preparation Surfaces (11 42)		
11 42 16 00-0001 Tables (11 42 16)		

11	11 Equipment
	11 40 Foodservice Equipment
	11 42 Food Preparation Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 42 16 00-0002	Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003	EA 4' Open Base Baker's Table	868.22	65.04
11 42 16 00-0004	EA 10' Open Base Baker's Table	1,704.03	127.54
11 42 16 00-0005	EA 10' Undershelf Baker's Table	2,102.50	157.39
11 42 16 00-0006	EA 10' Three Drawers Baker's Table	2,255.08	168.99
11 42 16 00-0007	EA 10' Bins Baker's Table	3,317.83	248.70
11 42 16 00-0008	EA 10' Bins And Drawers Baker's Table	5,209.91	390.40

11 42 16 00-0009	Preparation Table, Stainless Steel, With Undershelf <small>(11 42 16 00-0001)</small>		
11 42 16 00-0010	EA 30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	1,306.66	34.31
11 42 16 00-0011	EA 30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf	1,408.09	41.19
11 42 16 00-0012	EA 36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf	2,128.46	55.99

11 42 16 00-0013	Preparation Table, Stainless Steel, With Open Front <small>(11 42 16 00-0001)</small>		
11 42 16 00-0014	EA 30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,375.84	36.10
11 42 16 00-0015	EA 36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,768.34	46.42
11 42 16 00-0016	EA 36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,518.99	39.92
11 42 16 00-0017	EA 36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front	1,828.39	48.08
11 42 16 00-0018	EA Roller Utility Drawers Stainless Steel Preparation Table With Open Front	369.36	9.69

11 42 16 00-0019	Mobile Tables <small>(11 42 16 00-0001)</small>		
11 42 16 00-0020	EA 21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,203.77	30.74
11 42 16 00-0021	EA 32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,733.33	36.86
11 42 16 00-0022	EA 32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,574.46	41.45

11 42 16 00-0023	Hot Food Tables, Stainless Steel, Gas Or Electric <small>(11 42 16 00-0001)</small>		
11 42 16 00-0024	EA 32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,811.96	73.97
11 42 16 00-0025	EA 32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,280.85	59.94
11 42 16 00-0026	EA Full Size Pan With Cover Stainless Steel Hot Food Tables	189.31	4.97
11 42 16 00-0027	EA Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	276.98	7.27
11 42 16 00-0028	EA 58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,541.65	124.74
11 42 16 00-0029	EA 114-1/2", 8 Openings Stainless Steel Hot Food Tables	11,024.71	248.86

11 42 16 00-0030	Basic Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0031	LF Table, Basic	288.71	25.02

11 42 16 00-0032	Table With Sink <small>(11 42 16)</small>		
11 42 16 00-0033	LF Table With Sink	368.59	47.49

11 42 23 Food Preparation Scullery Sinks (11 42)

11 42 23 00-0001	Stainless Steel Scullery Sinks <small>(11 42 23)</small>		
	Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.		
11 42 23 00-0002	EA Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard	2,595.27	199.30
	<i>For Additional Drain Board, Add</i>	236.75	
11 42 23 00-0003	EA Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard	3,677.67	227.77
	<i>For Additional Drain Board, Add</i>	339.30	
11 42 23 00-0004	EA Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard	4,876.04	227.77
	<i>For Additional Drain Board, Add</i>	453.44	
11 42 23 00-0005	EA Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard	6,959.82	227.77
	<i>For Additional Drain Board, Add</i>	650.43	
11 42 23 00-0006	EA Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard	4,301.98	227.77
11 42 23 00-0007	EA Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR)	5,458.43	227.77
	<i>For Additional Drain Board, Add</i>	517.37	

11 44 Food Cooking Equipment (11 44)

11 44 13 Commercial Ranges (11 44)

11 44 13 00-0001	Range <small>(11 44 13)</small>		
11 44 13 00-0002	EA Heavy Duty Range, With 34" Open Top Oven	3,354.51	104.58
11 44 13 00-0003	EA Range With Fry Top	3,354.51	104.58
11 44 13 00-0004	EA Steel Finish Fry Top	7,211.46	149.81
11 44 13 00-0005	EA Stainless Top Only Fry Top	7,208.71	148.09
11 44 13 00-0006	EA Stainless Top And 2 Sides Fry Top	8,329.51	172.42
11 44 13 00-0007	EA Gas Range, Vulcan #260L	7,507.75	153.61
	Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 13 00-0008	EA 48" Range With Casters (Vulcan 48C-4B24GN)	15,080.92	90.00

11 44 16 Commercial Ovens (11 44)



Equipment	11
Foodservice Equipment	11 40
Food Cooking Equipment	11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0001			Bake Oven ^(11 44 16)		
11 44 16 00-0002	EA		55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	19,221.81	443.21
11 44 16 00-0003	EA		55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836).....	19,221.81	443.21
11 44 16 00-0004	EA		74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	25,999.93	443.21
11 44 16 00-0005	EA		74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736).....	25,999.93	443.21
11 44 16 00-0006	EA		55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	37,084.15	506.52
11 44 16 00-0007	EA		55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836).....	37,084.15	506.52
11 44 16 00-0008	EA		74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436).....	54,170.76	506.52
11 44 16 00-0009	EA		74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436).....	54,170.76	506.52
11 44 16 00-0010	EA		55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	58,906.77	633.15
11 44 16 00-0011	EA		55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836).....	58,906.77	633.15
11 44 16 00-0012	EA		74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436).....	82,773.81	633.15
11 44 16 00-0013	EA		74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436).....	82,773.81	633.15
11 44 16 00-0014			Rapid-Cook Countertop Bake Ovens ^(11 44 16)		
11 44 16 00-0015	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1).....	11,343.84	22.49
11 44 16 00-0016	EA		800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM).....	6,726.25	22.49
11 44 16 00-0017	EA		4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H).....	5,295.24	22.49
11 44 16 00-0018	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1).....	8,080.58	22.49
11 44 16 00-0019	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5).....	8,410.60	22.49
11 44 16 00-0020	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2).....	8,410.60	22.49
11 44 16 00-0021	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500).....	8,410.60	22.49
11 44 16 00-0022	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500).....	8,410.60	22.49
11 44 16 00-0023	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500).....	8,410.60	22.49
11 44 16 00-0024	EA		1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1).....	15,658.78	22.49
11 44 16 00-0025	EA		6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S).....	14,516.71	22.49
11 44 16 00-0026	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V).....	7,747.82	22.49
11 44 16 00-0027	EA		3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14).....	6,330.50	22.49
11 44 16 00-0028	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19).....	6,885.10	22.49
11 44 16 00-0029	EA		6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601).....	16,480.42	22.49
11 44 16 00-0030	EA		5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT).....	14,711.17	22.49
11 44 16 00-0031	EA		1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC).....	10,285.30	22.49
11 44 16 00-0032	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	20,713.20	22.49
11 44 16 00-0033	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5).....	20,713.20	22.49
11 44 16 00-0034	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch).....	21,480.06	22.49
11 44 16 00-0035	EA		11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL).....	21,480.06	22.49
11 44 16 00-0036	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1).....	11,383.55	22.49
11 44 16 00-0037	EA		5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1).....	11,343.84	22.49
11 44 16 00-0038	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400).....	13,840.23	22.49
11 44 16 00-0039	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104).....	12,054.55	22.49
11 44 16 00-0040	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI).....	13,470.50	22.49
11 44 16 00-0041	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH).....	14,126.44	22.49
11 44 16 00-0042	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH).....	12,506.45	22.49
11 44 16 00-0043	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER).....	15,206.89	22.49
11 44 16 00-0044	EA		6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH).....	15,884.73	22.49
11 44 16 00-0045	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2).....	11,999.77	22.49
11 44 16 00-0046	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK).....	11,520.49	22.49
11 44 16 00-0047	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED).....	11,520.49	22.49

11 Equipment
11 40 Foodservice Equipment
11 44 Food Cooking Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0048	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	12,136.71	22.49
11 44 16 00-0049	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	12,136.71	22.49
11 44 16 00-0050	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	13,189.77	22.49
11 44 16 00-0051	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	17,675.90	22.49
11 44 16 00-0052	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	17,675.90	22.49
11 44 16 00-0053	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	18,415.37	22.49
11 44 16 00-0054	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	18,415.37	22.49
11 44 16 00-0055	EA		10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HDD-9500-1)	16,568.06	22.49
11 44 16 00-0056	EA		5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	12,451.67	22.49
11 44 16 00-0057			Combination Ovens <small>(11 44 16)</small> Note: Convection, steam and combination modes.		
11 44 16 00-0058	EA		35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	24,362.54	183.02
11 44 16 00-0059	EA		35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	39,971.58	209.17
11 44 16 00-0060	EA		35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	33,019.42	209.17
11 44 16 00-0061	EA		35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	79,699.62	261.45
11 44 16 00-0062	EA		35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	60,504.13	261.45
11 44 16 00-0063			Broiler, Without Oven <small>(11 44 16)</small>		
11 44 16 00-0064	EA		69" x 26" x 39" Broiler Without Oven	9,372.62	167.33
11 44 16 00-0065	EA		Conveyor Broiler	8,311.36	194.21
11 44 16 00-0066			Oven Stands <small>(11 44 16)</small>		
11 44 16 00-0067	EA		Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,934.62	
11 44 16 00-0068			Countertop Electric Convection Type Ovens <small>(11 44 16)</small>		
11 44 16 00-0069	EA		1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	263.57	11.25
11 44 16 00-0070	EA		1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	427.41	11.25
11 44 16 00-0071	EA		2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	503.71	11.25
11 44 16 00-0072	EA		2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	648.37	11.25
11 44 16 00-0073	EA		3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,178.77	11.25
11 44 16 00-0074	EA		3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,371.64	11.25
11 44 16 00-0075	EA		1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	234.64	11.25
11 44 16 00-0076	EA		1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	388.94	11.25
11 44 16 00-0077	EA		1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	1,110.35	11.25
11 44 16 00-0078	EA		1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	1,010.15	11.25
11 44 16 00-0079	EA		2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,373.38	11.25
11 44 16 00-0080	EA		5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,227.14	11.25
11 44 16 00-0081			Electric Convection Type Ovens <small>(11 44 16)</small>		
11 44 16 00-0082	EA		11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,464.74	45.01
11 44 16 00-0083	EA		22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,855.28	90.00
11 44 16 00-0084	EA		22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	8,855.28	90.00
11 44 16 00-0085	EA		22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	8,855.28	90.00
11 44 16 00-0086	EA		22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,855.28	90.00
11 44 16 00-0087	EA		24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,622.94	90.00
11 44 16 00-0088	EA		12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC55ED-11D1 208/3)	7,311.47	45.01



		Equipment	11
		Foodservice Equipment	11 40
		Food Cooking Equipment	11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0089	EA		12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1).....	7,311.47	45.01
11 44 16 00-0090	EA		12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3).....	8,025.05	45.01
11 44 16 00-0091	EA		12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1).....	7,311.47	45.01
11 44 16 00-0092	EA		12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3).....	7,311.47	45.01
11 44 16 00-0093	EA		25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3).....	16,050.10	90.00
11 44 16 00-0094	EA		11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E).....	6,826.23	45.01
11 44 16 00-0095	EA		22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E).....	13,652.46	90.00
11 44 16 00-0096	EA		24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1).....	14,622.94	90.00
11 44 16 00-0097	EA		21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1).....	18,502.64	90.00
11 44 16 00-0098			Natural Gas Convection Type Ovens <small>(11 44 16)</small>		
11 44 16 00-0099	EA		54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N).....	5,135.16	45.01
11 44 16 00-0100	EA		108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N).....	10,184.73	90.00
11 44 16 00-0101	EA		100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT).....	17,582.38	90.00
11 44 16 00-0102	EA		100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD).....	16,836.26	90.00
11 44 16 00-0103	EA		100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	15,717.06	90.00
11 44 16 00-0104	EA		50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K).....	8,791.19	45.01
11 44 16 00-0105	EA		120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G).....	8,881.19	90.00
11 44 16 00-0106	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	24,580.65	90.00
11 44 16 00-0107	EA		50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	7,858.53	45.01
11 44 16 00-0108	EA		100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	21,554.43	90.00
11 44 16 00-0109	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	32,044.14	90.00
11 44 16 00-0110	EA		120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	24,580.65	90.00
11 44 16 00-0111	EA		100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G).....	20,128.00	90.00
11 44 16 00-0112	EA		90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES).....	17,911.56	90.00
11 44 16 00-0113	EA		50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN).....	8,418.13	45.01
11 44 16 00-0114	EA		36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN).....	9,384.61	209.17
			<i>For 5" Swivel Plate Casters, Set of 4, Add</i>	635.62	
11 44 16 00-0115			Liquid Propane Convection Type Ovens <small>(11 44 16)</small>		
11 44 16 00-0116	EA		108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L).....	10,184.73	90.00
11 44 16 00-0117	EA		100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP).....	17,582.38	90.00
11 44 16 00-0118	EA		50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K).....	8,791.19	45.01
11 44 16 00-0119	EA		100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP).....	33,202.84	90.00
11 44 16 00-0120	EA		100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	15,717.06	90.00
11 44 16 00-0121	EA		100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP).....	16,836.26	90.00
11 44 16 00-0122	EA		50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL).....	8,418.13	45.01

11	11 Equipment
	11 40 Foodservice Equipment
	11 44 Food Cooking Equipment



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0123	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	7,858.53	45.01
11 44 16 00-0124		Countertop Pizza Oven ^(11 44 16)		
11 44 16 00-0125	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	7,710.85	22.49
11 44 16 00-0126		Rotary Deck Pizza Oven ^(11 44 16)		
11 44 16 00-0127	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	38,131.61	90.00
11 44 16 00-0128		Triple Conveyor Oven ^(11 44 16)		
11 44 16 00-0129	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	62,367.59	180.00
		Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0130	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3).....	62,367.59	180.00
		Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0131	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,951.71	180.00
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0132	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	115,332.63	180.00
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	115,332.63	180.00
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	132,951.71	180.00
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	132,951.71	180.00
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 19		Commercial Cooking Equipment ^(11 44)		
11 44 19 00-0001		Drop-In Electric Griddle ^(11 44 19)		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle.....	4,273.17	143.80
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle.....	6,078.92	143.80
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle.....	6,957.78	156.87
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle.....	8,326.43	156.87
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle.....	10,672.83	169.95
11 44 19 00-0007		Countertop Griddle ^(11 44 19)		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	575.26	161.20
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	707.26	161.20
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	784.26	161.20
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	981.17	161.20
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,063.12	161.20
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,357.15	161.20
11 44 19 00-0014		Panini Sandwich Grill ^(11 44 19)		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S).....	606.51	90.00
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	466.66	90.00
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	466.66	90.00
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	466.66	90.00
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	947.54	90.00
11 44 19 00-0020		Electric Countertop Fryer, With Submerger ^(11 44 19)		
11 44 19 00-0021	EA	30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202))	926.82	90.00
11 44 19 00-0022	EA	30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	2,022.35	90.00
11 44 19 00-0023	EA	30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	7,496.60	90.00
11 44 19 00-0024		Electric Floor Fryer, With Submerger ^(11 44 19)		
11 44 19 00-0025	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	6,745.66	209.17
11 44 19 00-0026	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	7,081.01	209.17
11 44 19 00-0027	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	22,632.83	271.92
11 44 19 00-0028	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	23,183.14	271.92
11 44 19 00-0029		Natural Gas Floor Fryer, With Submerger ^(11 44 19)		
11 44 19 00-0030	EA	40 LB Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300).....	1,441.90	144.00
11 44 19 00-0031	EA	50 LB Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400).....	1,651.90	180.00



Equipment	11	
Foodservice Equipment	11 40	↑
Food Cooking Equipment	11 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44	19 00-0032	EA	70 To 100 LB Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518).....	2,391.36	360.02
11 44 19 00-0033 Steam Jacketed Kettles <small>(11 44 19)</small>					
11 44	19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T).....	13,567.51	22.49
11 44	19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7).....	12,065.42	22.49
11 44	19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T).....	9,592.23	22.49
11 44	19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7).....	10,001.40	22.49
11 44	19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL).....	35,115.17	22.50
11 44	19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3).....	61,878.75	90.00
11 44	19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403).....	146,329.00	90.00
11 44	19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3).....	32,176.86	90.00
11 44	19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3).....	32,176.86	90.00
11 44	19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3).....	58,980.03	90.00
11 44	19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T).....	21,507.60	90.00
11 44	19 00-0045	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403).....	47,461.52	90.00
11 44	19 00-0046	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403).....	59,414.65	90.00
11 44	19 00-0047	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403).....	42,273.28	90.00
11 44	19 00-0048	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T).....	38,999.95	90.00
11 44	19 00-0049	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403).....	120,395.08	90.00
11 44	19 00-0050	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403).....	124,224.89	90.00
11 44	19 00-0051	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP).....	57,894.36	180.00
11 44	19 00-0052	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP).....	40,362.00	180.00
11 44	19 00-0053	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP).....	57,605.21	180.00
11 44	19 00-0054	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP).....	47,861.58	180.00
11 44	19 00-0055	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP).....	49,596.45	180.00
11 44	19 00-0056	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP).....	20,854.74	180.00
11 44	19 00-0057	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP).....	60,134.77	180.00
11 44	19 00-0058	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP).....	59,823.81	180.00
11 44	19 00-0059	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP).....	66,297.74	180.00
11 44	19 00-0060	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP).....	44,908.30	180.00
11 44	19 00-0061	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP).....	27,374.13	180.00
11 44	19 00-0062	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP).....	145,632.49	180.00
11 44	19 00-0063	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP).....	48,181.64	180.00
11 44	19 00-0064	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT).....	60,134.77	180.00
11 44	19 00-0065	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT).....	139,773.22	180.00
11 44	19 00-0066	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT).....	45,915.76	180.00
11 44	19 00-0067	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT).....	139,393.15	180.00
11 44	19 00-0068	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT).....	47,488.78	180.00
11 44	19 00-0069	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT).....	164,579.65	180.00
11 44	19 00-0070	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT).....	24,951.87	180.00
11 44	19 00-0071	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT).....	47,861.58	180.00
11 44	19 00-0072	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT).....	47,597.90	180.00
11 44	19 00-0073	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT).....	140,176.93	180.00

11 Equipment
11 40 Foodservice Equipment
11 44 Food Cooking Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0074	EA		6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,854.74	180.00
11 44 19 00-0075	EA		100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	57,894.36	180.00
11 44 19 00-0076	EA		40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,985.49	180.00
11 44 19 00-0077	EA		60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	27,086.81	180.00
11 44 19 00-0078	EA		125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	47,392.40	180.00
11 44 19 00-0079	EA		200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	63,235.35	180.00
11 44 19 00-0080	EA		12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	24,668.18	180.00
11 44 19 00-0081	EA		12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	17,141.32	180.00
11 44 19 00-0082	EA		40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	18,219.70	180.00
11 44 19 00-0083	EA		60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	28,399.78	180.00
11 44 19 00-0084	EA		60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	21,229.36	180.00
11 44 19 00-0085	EA		40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	17,203.15	180.00
11 44 19 00-0086	EA		80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	42,857.01	180.00
11 44 19 00-0087	EA		80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	9,283.50	180.00
11 44 19 00-0088	EA		40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	30,180.11	180.00
11 44 19 00-0089	EA		12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	12,998.73	180.00
11 44 19 00-0090	EA		100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	32,602.38	180.00
11 44 19 00-0091	EA		60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	20,411.02	180.00
11 44 19 00-0092			Kettles, Steam Jacketed (11 44 19)		
11 44 19 00-0093	EA		5 Gallon Kettle, With Stand	5,214.76	92.17
11 44 19 00-0094	EA		20 Gallon Kettle With Steam Jacket	20,478.38	122.89
11 44 19 00-0095	EA		40 Gallon Kettle With Steam Jacket	21,164.07	135.18
11 44 19 00-0096	EA		60 Gallon Kettle With Steam Jacket	25,634.12	147.48
11 44 19 00-0097			Steamers, Electric (11 44 19)		
11 44 19 00-0098			Cooking Equipment/ Steamers (11 44 19 00-0097)		
11 44 19 00-0099	EA		3 Pan, Electric Countertop Convection Steamer	9,264.54	219.62
11 44 19 00-0100	EA		5 Pan, Electric Countertop Convection Steamer	12,206.19	230.08
11 44 19 00-0101	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer	8,570.89	219.62
11 44 19 00-0102	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer	12,505.69	230.08
11 44 19 00-0103			Braising Pans (11 44 19)		
11 44 19 00-0104	EA		24" x 24", 240 Volt, Tilting Braising Pan	11,142.17	214.21
11 44 19 00-0105	EA		24" x 31", 240 Volt, Tilting Braising Pan	11,758.18	225.26
11 44 19 00-0106	EA		24" x 41", 240 Volt, Tilting Braising Pan	12,523.38	239.88
11 44 19 00-0107	EA		24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	14,525.14	279.34
11 44 19 00-0108	EA		24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	15,020.14	287.94
11 44 19 00-0109	EA		24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	15,604.93	295.55
11 44 19 00-0110			Toasters (11 44 19)		
11 44 19 00-0111	EA		Bun Toaster 3.2 KW	2,213.71	49.74
11 44 19 00-0112	EA		Bun Toaster 4.3 KW	2,415.97	54.20
11 44 19 00-0113	EA		Pop-Up Toaster, 2 Slot	595.87	113.26
11 44 19 00-0114	EA		Conveyor Toaster	1,023.41	169.95
11 44 19 00-0115			Microwave Ovens (11 44 19)		
11 44 19 00-0116	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	220.68	11.25
11 44 19 00-0117	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	242.70	11.25
11 44 19 00-0118	EA		120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	316.11	11.25
11 44 19 00-0119	EA		120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	404.20	11.25
11 44 19 00-0120	EA		120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	506.97	11.25
11 44 19 00-0121	EA		120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	316.11	11.25
11 44 19 00-0122	EA		120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	369.70	11.25
11 44 19 00-0123	EA		120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	656.74	11.25
11 44 19 00-0124	EA		120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	802.09	11.25
11 44 19 00-0125	EA		120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,687.39	11.25
11 44 19 00-0126	EA		120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	462.65	11.25
11 44 19 00-0127	EA		120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	631.85	11.25



	Equipment	11
	Foodservice Equipment	11 40
	Food Cooking Equipment	11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0128	EA		120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	484.96	11.25
11 44 19 00-0129	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	426.24	11.25
11 44 19 00-0130	EA		120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	828.52	11.25
11 44 19 00-0131	EA		120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	382.19	11.25
11 44 19 00-0132	EA		120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	799.15	11.25
11 44 19 00-0133	EA		120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWHD12).....	887.24	11.25
11 44 19 00-0134	EA		120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,490.66	11.25
11 44 19 00-0135	EA		120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521).....	1,383.48	11.25
11 44 19 00-0136	EA		120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,628.67	11.25
11 44 19 00-0137	EA		208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,525.90	11.25
11 44 19 00-0138	EA		208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,713.82	11.25
11 44 19 00-0139	EA		208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	4,627.41	11.25
11 44 19 00-0140	EA		208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	6,133.75	11.25
11 44 19 00-0141	EA		208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,912.02	11.25
11 44 19 00-0142	EA		208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	5,968.58	11.25
11 44 19 00-0143	EA		208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24).....	3,682.64	11.25
11 44 19 00-0144	EA		208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWHD18).....	990.01	11.25
11 44 19 00-0145	EA		208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	1,048.74	11.25
11 44 19 00-0146	EA		208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21).....	1,122.15	11.25
11 44 19 00-0147	EA		208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2).....	2,704.84	11.25
11 44 19 00-0148	EA		208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	901.92	11.25
11 44 19 00-0149	EA		208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182).....	1,978.09	11.25
11 44 19 00-0150	EA		208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,991.31	11.25
11 44 19 00-0151	EA		208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,857.70	11.25
11 44 19 00-0152	EA		208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212).....	2,070.59	11.25
11 44 19 00-0153	EA		208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521).....	1,872.38	11.25
11 44 19 00-0154	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2).....	3,378.73	11.25
11 44 19 00-0155	EA		208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2).....	4,435.81	11.25
11 44 19 00-0156			Ceramic Broiler On Storage Base With Doors ^(11 44 19)		
11 44 19 00-0157	EA		Standard Finish Ceramic Boiler On Storage Base With Doors.....	9,180.68	175.62
11 44 19 00-0158	EA		Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	9,180.68	175.62
11 44 19 00-0159	EA		Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	11,410.32	219.24
11 44 19 00-0160			Gas Countertop Hot Plate ^(11 44 19)		
11 44 19 00-0161	EA		2 Burners Gas Countertop Hot Plate.....	1,170.43	22.37
11 44 19 00-0162			Food Service Additions ^(11 44 19)		
11 44 19 00-0163	EA		30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge).....	7,828.72	22.12
11 44 19 00-0164	EA		Heavy Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S).....	5,134.55	174.65
11 44 19 00-0165	EA		Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10).....	50,761.77	
11 44 19 00-0166	EA		1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS).....	1,025.00	11.70
11 44 19 00-0167	EA		1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS).....	595.91	11.70
11 44 19 00-0168	EA		48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151).....	17,827.75	156.87
11 44 19 00-0169	EA		120 Volt, 14.9 Amperes, 20" W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80).....	8,425.58	302.25

11 Equipment
11 40 Foodservice Equipment
11 44 Food Cooking Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0170	EA		1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	5,737.93	302.25
11 44 19 00-0171	EA		Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-steamer (Cleveland OES-10.20)	19,933.50	219.62
11 44 19 00-0172	EA		115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	36,386.66	239.64
11 44 19 00-0173	EA		50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	31,229.06	122.89
11 44 19 00-0174	EA		Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	18,887.04	56.70
11 44 19 00-0175	EA		6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,040.60	278.96
11 44 19 00-0176	EA		3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT).....	285.46	22.77
11 44 19 00-0177	EA		1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	9,951.96	309.31
11 44 19 00-0178	EA		20", 3/8" Thick, Stainless Steel, Heavy Duty Mounting, Tempered Glass (English Mfg. M-107)	13,587.53	11.70
11 44 19 00-0179	EA		1350lb, Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	19,428.25	157.51
11 44 19 00-0180	EA		Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	24,376.35	148.70
11 44 19 00-0181	EA		Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,073.69	5.40
11 44 19 00-0182	EA		5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T).....	25,760.78	216.39
11 44 19 00-0183	EA		Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart CLe (BDELRAX-STDDOM)).....	22,578.07	185.48
11 44 19 00-0184	EA		1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,537.96	150.60
11 44 19 00-0185	EA		20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	10,868.76	261.45
11 44 19 00-0186	EA		Electronic Control, Stainless Steel Dishwasher (Hobart LXI/LXIH new model is Lxeh).....	17,391.52	216.39
11 44 19 00-0187	EA		27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,441.20	56.53
11 44 19 00-0188	EA		Remote Air Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	16,444.40	235.31
11 44 19 00-0189	EA		Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	18,053.48	235.31
11 44 19 00-0190	EA		2,400 BTU, 1/3 HP, Air Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c).....	7,244.74	209.17
11 44 19 00-0191	EA		24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,445.81	90.00
11 44 19 00-0192	EA		3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 4172)	2,085.37	90.00
11 44 19 00-0193	EA		30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,422.94	90.00
11 44 19 00-0194	EA		15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302).....	965.73	45.01
11 44 19 00-0195	EA		30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	406.12	67.50
11 44 19 00-0196	EA		22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,659.76	45.01
11 44 19 00-0197	EA		Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	31,544.92	156.87
11 44 19 00-0198	EA		Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,025.63	90.00
11 44 19 00-0199	EA		3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy Duty Range (Montague 136-8)	16,036.48	143.80
11 44 19 00-0200	EA		3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy Duty Range (Montague C36-8T)	16,110.22	143.80
11 44 19 00-0201	EA		36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R).....	37,478.58	104.58
11 44 19 00-0202	EA		24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,152.86	153.61
11 44 19 00-0203	EA		36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	13,687.05	177.79
11 44 19 00-0204	EA		225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	13,687.05	177.79
11 44 19 00-0205	EA		36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	13,687.05	177.79
11 44 19 00-0206	EA		63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	31,157.83	209.17
11 44 19 00-0207	EA		Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,239.00	257.20
11 44 19 00-0208	EA		Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,056.65	67.50
11 44 19 00-0209	EA		Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	13,714.33	245.82
11 44 19 00-0210	EA		92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	29,880.36	185.48
11 44 19 00-0211	EA		3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	17,633.85	45.01
11 44 19 00-0212	EA		52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,377.69	219.62
11 44 19 00-0213	EA		120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D).....	1,529.52	219.62
11 44 19 00-0214	EA		120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM).....	3,758.83	219.62
11 44 19 00-0215	EA		120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM).....	5,277.22	219.62
11 44 19 00-0216	EA		120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM).....	6,403.57	219.62
11 44 19 00-0217	EA		Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG).....	48,331.88	104.58
11 44 19 00-0218	Other Kettles (11 44 19)				
11 44 19 00-0219	EA		20 QT Trunion Kettle With Stand (Groen TDC/320)	5,191.54	122.89
11 44 19 00-0220	EA		40 QT Trunion Kettle With Stand (Groen TDA/140).....	8,165.05	122.89
11 44 19 00-0221	Charbroilers (11 44 19)				
11 44 19 00-0222	EA		80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24).....	1,041.27	90.00
11 44 19 00-0223	EA		40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	842.42	119.98
11 44 19 00-0224	EA		70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avanto AG24RC)	582.60	90.00
11 44 19 00-0225	EA		80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	1,083.30	102.88



Equipment	11
Foodservice Equipment	11 40
Food Cooking Equipment	11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44	19 00-0226	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,815.95	102.88
11 44	19 00-0227	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	1,101.31	119.98
11 44	19 00-0228	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,426.93	119.98
11 44	19 00-0229	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	3,444.92	144.00
11 44	19 00-0230	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	3,461.20	144.00
11 44	19 00-0231	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	2,143.30	119.98
11 44	19 00-0232	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,942.78	144.00
11 44	19 00-0233	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,926.50	144.00
11 44	19 00-0234	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	4,633.44	144.00
11 44	19 00-0235	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,921.38	180.00
11 44	19 00-0236	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,940.23	180.00
11 44	19 00-0237	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG(CPG))	2,393.53	180.00
11 44	19 00-0238	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,917.10	180.00

11 46 Food Dispensing Equipment (11 40)

11 46 13 Bar Equipment (11 46)

11 46 13 00-0001 Soft Serve Machines (11 46 13)

11 46 13 00-0002	EA	Soft Serve Machines, Medium	12,786.75	123.62
11 46 13 00-0003	EA	Soft Serve Machines, Large	21,566.84	151.02

11 46 13 00-0004 Salad Bars (11 46 13)

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	14,088.94	476.20
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	12,918.04	476.20
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	9,092.68	261.64
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	7,190.11	214.94
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,924.33	315.35
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	12,041.58	279.34
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,612.94	47.31
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,716.04	47.31

11 46 16 Service Line Equipment (11 46)

11 46 16 00-0001 Food Warmer Holding Station (11 46 16)

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	817.92	18.37
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11 46 16 00-0003 Reach-In Food Warmers (11 46 16)

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,760.11	39.54
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	4,027.91	90.55

11 46 16 00-0006 Countertop Food Warmer (11 46 16)

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	196.47	31.71
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	172.12	31.71
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	529.14	31.71
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladies (Avantco WK12004X3)	365.19	31.71

11 46 16 00-0011 Hot Cabinets With Top Wells Electric (11 46 16)

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	9,388.72	175.62
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	13,413.81	251.69

11 46 16 00-0014 Portable Hot Food Units (11 46 16)

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,460.70	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,254.02	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,069.31	

11 46 16 00-0018 Stationary Hot Food Units (11 46 16)

11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,653.77	35.76
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,218.87	41.17

11	Equipment
11 40	Foodservice Equipment
11 46	Food Dispensing Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0021 EA 76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,762.81	52.72
11 46 16 00-0022 Serving Counters <small>(11 46 16)</small>		
11 46 16 00-0023 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	116.46	42.67
11 46 16 00-0024 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	150.49	65.37
11 46 16 00-0025 Drop-In Equipment <small>(11 46 16)</small>		
11 46 16 00-0026 EA Hot Food Well, Rectangular	565.51	135.96
11 46 16 00-0027 EA Hot Food Well, Circular	519.64	135.96
11 46 16 00-0028 EA Refrigerated Well, 2 Compartment	1,924.56	135.96
11 46 16 00-0029 EA Refrigerated Well, 3 Compartment	2,186.14	151.02
11 46 16 00-0030 EA Refrigerated Well, 4 Compartment	2,483.60	169.95
11 46 16 00-0031 EA Frost Cold Plate	2,160.01	151.02
11 46 16 00-0032 Beverage Dispensing <small>(11 46 16)</small>		
11 46 16 00-0033 EA Coffee Urn, Twin 3 Gallon	3,526.62	220.84
11 46 16 00-0034 EA Coffee Urn, Twin 6 Gallon	5,022.14	309.13
11 46 16 00-0035 EA Coffee Brewer, 5 Burner	1,473.78	220.84
11 46 16 00-0036 EA Hot Chocolate Dispenser	1,430.24	181.90
11 46 16 00-0037 EA Iced Tea Brewer	2,083.94	181.90
11 46 16 00-0038 EA Juice Dispenser (Concentrate)	1,521.19	301.83
11 46 16 00-0039 EA Jet Spray Dispenser	2,152.48	302.14
11 46 16 00-0040 EA Milk Dispenser, Bulk, 2 Flavor	1,803.26	169.95
11 46 16 00-0041 EA Milk Dispenser, Bulk, 3 Flavor	2,456.96	169.95
11 46 16 00-0042 Dish Dispensers <small>(11 46 16)</small>		
11 46 16 00-0043 EA Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	1,965.66	31.71
11 46 16 00-0044 EA 12" Diameter, Drop-in, Dish Dispenser	720.26	32.12
11 46 16 00-0045 EA Drop-in, Cup And Glass Dispenser	1,227.36	99.88
11 46 16 00-0046 EA Drop-in, Disposable Cup Dispenser	446.39	22.49
11 46 16 00-0047 Tray And Silver Dispensers <small>(11 46 16)</small>		
11 46 16 00-0048 EA Tray And Silver Dispensers Mobile	2,811.18	22.49
11 46 16 00-0049 Condiment Dispensers <small>(11 46 16)</small>		
11 46 16 00-0050 EA Butter Pat Dispenser	164.04	28.16
11 46 16 00-0051 EA Bread Dispenser, Counter Top	464.52	28.16
11 46 16 00-0052 Sandwich Rack Warmer <small>(11 46 16)</small>		
11 46 16 00-0053 EA 18 Compartment, 2 Tier Sandwich Rack Warmer	3,562.23	146.54
11 46 16 00-0054 Mobile Bread Counter <small>(11 46 16)</small>		
11 46 16 00-0055 EA Mobile Bread And Roll Counter	8,174.80	329.43
11 46 16 00-0056 Open Service Stand <small>(11 46 16)</small>		
11 46 16 00-0057 EA 6' Open Service Stand	3,136.44	109.99
11 46 16 00-0058 LF Each Additional Foot Over 6 Foot Add	429.06	14.87
11 46 16 00-0059 Mobile Serving Stand Unit <small>(11 46 16)</small>		
11 46 16 00-0060 EA 36" Mobile Serving Stand Unit	2,740.53	105.20
11 46 16 00-0061 EA 96" Mobile Serving Stand Unit	4,502.58	157.67
11 46 16 00-0062 Reach-In Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0063 EA Heated Cabinet, Reach-in, 1 Compartment	5,509.39	174.34
11 46 16 00-0064 EA Heated Cabinet, Reach-in, 2 Compartment	7,938.91	219.31
11 46 16 00-0065 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In	5,767.43	174.34
11 46 16 00-0066 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment	8,313.93	219.31
11 46 16 00-0067 Mobile Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0068 EA Mobile, Heated Cabinet	6,190.74	56.24
11 46 16 00-0069 Smoothie Machine <small>(11 46 16)</small>		



	Equipment	11
	Foodservice Equipment	11 40
	Food Dispensing Equipment	11 46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-070	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	401.38	31.71
11 46 16 00-071	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T).....	352.57	31.71
11 46 16 00-072	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	426.41	31.71
11 46 16 00-073	EA		Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	438.93	31.71
11 46 16 00-074	EA		Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64).....	234.61	31.71
11 46 16 00-0075			Refrigerated Buffet Display Table <small>(11 46 16)</small>		
11 46 16 00-0076	EA		35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N).....	3,422.31	31.71
11 46 16 00-0077	EA		47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N).....	4,531.69	31.71
11 46 16 00-0078	EA		59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N).....	5,234.47	31.71
11 46 16 00-0079	EA		71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N).....	6,129.08	31.71
11 46 16 00-0080			Refrigerated Bakery Display Case <small>(11 46 16)</small>		
11 46 16 00-0081	EA		26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW).....	1,956.90	22.49
11 46 16 00-0082	EA		26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB).....	2,243.81	22.49
11 46 16 00-0083	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW).....	2,250.19	25.74
11 46 16 00-0084	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB).....	2,441.47	25.74
11 46 16 00-0085	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW).....	2,441.47	25.74
11 46 16 00-0086	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB).....	3,128.33	25.74
11 46 16 00-0087	EA		26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,128.33	25.74
11 46 16 00-0088	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	3,938.15	29.96
11 46 16 00-0089	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN).....	5,004.92	29.96
11 46 16 00-0090	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	3,938.15	29.96
11 46 16 00-0091	EA		27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW).....	5,004.92	29.96
11 46 16 00-0092	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,171.33	29.96
11 46 16 00-0093	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,171.33	29.96
11 46 16 00-0094	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN).....	4,171.33	29.96
11 46 16 00-0095	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN).....	4,433.12	29.96
11 46 16 00-0096	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW).....	5,636.06	29.96
11 46 16 00-0097	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW).....	4,433.12	29.96
11 46 16 00-0098	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD).....	5,307.99	29.96
11 46 16 00-0099	EA		27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN).....	5,636.06	29.96
11 46 16 00-0100	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	5,970.16	29.96
11 46 16 00-0101	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	4,695.53	29.96
11 46 16 00-0102	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD).....	5,622.51	29.96
11 46 16 00-0103	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN).....	5,970.16	29.96
11 46 16 00-0104	EA		27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	4,695.53	29.96
11 46 16 00-0105	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW).....	6,177.12	29.96
11 46 16 00-0106	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	5,817.42	29.96
11 46 16 00-0107	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN).....	6,177.12	29.96
11 46 16 00-0108	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	6,177.12	29.96

11 Equipment
11 40 Foodservice Equipment
11 46 Food Dispensing Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0109	EA		27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,162.66	29.96
11 46 16 00-0110	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	1,977.32	32.76
11 46 16 00-0111	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW).....	6,549.46	32.76
11 46 16 00-0112	EA		27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,151.01	32.76
11 46 16 00-0113	EA		27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	5,302.26	29.96
11 46 16 00-0114	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN).....	2,383.30	32.76
11 46 16 00-0115	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	6,765.16	32.76
11 46 16 00-0116	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN).....	6,765.16	32.76
11 46 16 00-0117	EA		34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN).....	6,765.16	32.76
11 46 16 00-0118	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN).....	5,453.06	32.76
11 46 16 00-0119	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN).....	8,144.33	32.76
11 46 16 00-0120	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN).....	8,144.33	32.76
11 46 16 00-0121	EA		34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN).....	8,144.33	32.76
11 46 16 00-0122	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN).....	6,267.96	32.76
11 46 16 00-0123	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN).....	8,272.37	32.76
11 46 16 00-0124	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN).....	15,462.79	32.76
11 46 16 00-0125	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN).....	15,462.79	32.76
11 46 16 00-0126	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN).....	8,650.09	35.99
11 46 16 00-0127			Dry Bakery Display Case <small>(11 46 16)</small>		
11 46 16 00-0128	EA		26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B).....	1,693.82	22.49
11 46 16 00-0129	EA		26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W).....	1,693.82	22.49
11 46 16 00-0130	EA		26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B).....	1,877.12	22.49
11 46 16 00-0131	EA		26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W).....	1,877.12	22.49
11 46 16 00-0132	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B).....	2,158.46	25.74
11 46 16 00-0133	EA		26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W).....	2,570.89	25.74
11 46 16 00-0134	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B).....	2,515.90	25.74
11 46 16 00-0135	EA		26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W).....	2,515.90	25.74
11 46 16 00-0136	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	5,272.68	29.96
11 46 16 00-0137	EA		27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	10,485.34	29.96
11 46 16 00-0138	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN).....	6,435.22	35.99
11 46 16 00-0139	EA		35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	5,113.61	32.76
11 46 16 00-0140	EA		35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	5,113.61	32.76
11 46 16 00-0141	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	5,113.61	32.76
11 46 16 00-0142	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	5,113.61	32.76
11 46 16 00-0143	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	5,318.45	32.76
11 46 16 00-0144	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	5,318.45	32.76
11 46 16 00-0145	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	5,750.29	35.99



Equipment	11
Foodservice Equipment	11 40
Food Dispensing Equipment	11 46

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0146 EA 35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD).....	5,750.29	35.99
11 46 16 00-0147 Dual Dry/Refrigerated Bakery Display Case ^(11 46 16)		
11 46 16 00-0148 EA 34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	16,786.52	32.76
11 46 16 00-0149 EA 34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	16,786.52	32.76
11 46 16 00-0150 EA 34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	16,786.52	32.76
11 46 16 00-0151 EA 34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	16,793.09	35.99
11 46 16 00-0152 EA 34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	17,237.34	35.99
11 46 16 00-0153 Refrigerated Deli Case ^(11 46 16)		
11 46 16 00-0154 EA 30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	8,558.29	119.98
11 46 16 00-0155 EA 30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN).....	8,558.29	119.98
11 46 16 00-0156 EA 30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN).....	9,803.34	119.98
11 46 16 00-0157 EA 30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN).....	9,803.34	119.98
11 46 16 00-0158 EA 32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	2,012.69	72.01
11 46 16 00-0159 EA 32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	2,189.42	72.01
11 46 16 00-0160 EA 32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	2,012.69	72.01
11 46 16 00-0161 EA 32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,281.23	90.00
11 46 16 00-0162 EA 32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	2,476.56	90.00
11 46 16 00-0163 EA 32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	2,676.13	119.98
11 46 16 00-0164 EA 32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	2,676.13	119.98
11 46 16 00-0165 EA 32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	3,020.29	119.98
11 46 16 00-0166 EA 32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,341.27	119.98
11 46 16 00-0167 EA 32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB).....	2,917.97	119.98
11 46 16 00-0168 EA 32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	2,917.97	119.98
11 46 16 00-0169 EA 32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	3,206.32	119.98
11 46 19 Soda Fountain Equipment ^(11 46)		
11 46 19 00-0001 Carbonated Beverage Dispensing ^(11 46 19)		
11 46 19 00-0002 EA Carbonated Beverage Dispenser.....	3,852.16	424.92
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice.....	6,115.85	485.58
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice.....	11,249.92	679.79
11 46 19 00-0005 Beverage Chilling Systems ^(11 46 19)		
11 46 19 00-0006 EA Beverage Chiller, Small.....	8,333.06	379.58
11 46 19 00-0007 EA Beverage Chiller, Large.....	15,597.12	569.43
11 46 83 Ice Machines ^(11 46)		

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 46 83 00-0001	Undercounter Ice Machines With Bin <small>(11 46 83)</small>				
11 46 83 00-0002	EA		53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine Wiith 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1)	2,419.08	22.49
11 46 83 00-0003	EA		85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090).....	3,887.48	183.02
11 46 83 00-0004	EA		137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A).....	2,962.13	183.02
11 46 83 00-0005	EA		100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA)	2,891.36	183.02
11 46 83 00-0006	EA		227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA)	3,114.54	196.09
11 46 83 00-0007	EA		282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA)	3,483.63	196.09

11 46 83 00-0008	Ice Cube Maker <small>(11 46 83)</small>				
11 46 83 00-0009	EA		320 LB/Day, Modular Ice Maker Without Bin	4,096.78	196.09
11 46 83 00-0010	EA		451 LB/Day, Modular Ice Maker Without Bin	4,452.46	209.17
11 46 83 00-0011	EA		600 LB/Day, Modular Ice Maker Without Bin	5,102.02	209.17
11 46 83 00-0012	EA		901 LB/Day, Modular Ice Maker Without Bin	7,305.83	222.24
11 46 83 00-0013	EA		1301 LB/Day, Modular Ice Maker Without Bin	8,294.69	222.24
11 46 83 00-0014	EA		1601 LB/Day, Modular Ice Maker Without Bin	10,004.32	235.31
11 46 83 00-0015	EA		1900 LB/Day, Modular Ice Maker Without Bin	11,055.20	235.31

11 46 83 00-0016	Ice Flakers <small>(11 46 83)</small>				
11 46 83 00-0017	EA		300 LB/Day, Ice Flakers.....	6,336.05	618.62
11 46 83 00-0018	EA		600 LB/Day, Ice Flakers.....	11,474.86	989.78
11 46 83 00-0019	EA		1,000 LB/Day, Ice Flakers.....	14,188.58	1,360.96
11 46 83 00-0020	EA		2,000 LB/Day, Ice Flakers.....	17,331.37	1,484.68

11 46 83 00-0021	Ice Storage Bins <small>(11 46 83)</small>				
11 46 83 00-0022	EA		260 LB Capacity, Stainless Steel Ice Storage Bin	1,628.36	135.01
11 46 83 00-0023	EA		360 LB Capacity, Stainless Steel Ice Storage Bin	1,787.13	135.01
11 46 83 00-0024	EA		550 LB Capacity, Stainless Steel Ice Storage Bin	2,233.00	146.26
11 46 83 00-0025	EA		660 LB Capacity, Stainless Steel Ice Storage Bin	2,409.42	146.26
11 46 83 00-0026	EA		1150 LB Capacity, Stainless Steel Ice Storage Bin	4,637.05	157.51

11 48 Foodservice Cleaning and Disposal Equipment (11 40)

11 48 13 Commercial Dishwashers <small>(11 48)</small>					
11 48 13 00-0001	Sprays And Hoses <small>(11 48 13)</small>				
11 48 13 00-0002	Sprays, Fillers <small>(11 48 13 00-0001)</small>				
11 48 13 00-0003	EA		Pre-Rinse Spray	466.96	90.08
11 48 13 00-0004	EA		Kettle Fillers	409.62	90.08

11 48 13 00-0005	Hoses <small>(11 48 13 00-0001)</small>				
11 48 13 00-0006	EA		Hose Reel.....	560.34	108.14
11 48 13 00-0007	EA		Wash-Down Hose	445.66	108.14
11 48 13 00-0008	EA		Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,349.92	

11 48 13 00-0009	Rack Type Dishwasher <small>(11 48 13)</small>				
11 48 13 00-0010	EA		Dishwasher, 1 Tank And 190 To 230 Racks/Hour	21,393.31	1,051.05
11 48 13 00-0011	EA		Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	34,465.04	1,298.36
11 48 13 00-0012	EA		Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	41,138.60	1,483.84

11 48 13 00-0013	Undercounter Type Dishwasher <small>(11 48 13)</small>				
11 48 13 00-0014	EA		High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,529.72	216.39

11 48 13 00-0015	Exhaust Hood Dishwasher <small>(11 48 13)</small>				
11 48 13 00-0016	EA		4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,624.84	264.38
11 48 13 00-0017	EA		4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	4,474.18	317.26

11 48 13 00-0018	Dish Tables <small>(11 48 13)</small>				
11 48 13 00-0019	LF		Clean/Soiled Dish Table, Basic.....	303.28	47.49
11 48 13 00-0020	LF		Clean/Soiled Dish Table With Trough.....	476.66	71.18
11 48 13 00-0021	LF		Clean/Soiled Dish Table, Maximum.....	577.56	94.87

11 48 16 Foodservice Disposal Equipment <small>(11 48)</small>					
11 48 16 00-0001	Garbage Disposals <small>(11 48 16)</small>				
Note: Manual switch.					
11 48 16 00-0002	EA		1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,599.31	166.93



Equipment	11
Foodservice Equipment	11 40
Foodservice Cleaning and Disposal Equipment	11 48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 16 00-0003	EA		3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,012.66	173.11
11 48 16 00-0004	EA		1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,818.38	185.48
11 48 16 00-0005	EA		1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,160.02	179.29
11 48 16 00-0006	EA		2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,071.55	204.03
11 48 16 00-0007	EA		3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,320.30	222.58
11 48 16 00-0008	EA		5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	5,157.00	247.31
11 48 16 00-0009	EA		7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	7,171.50	265.85
11 48 16 00-0010	EA		10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	9,437.89	278.22

11 48 16 00-0011	Pulper/Extractors ^(11 48 16)				
11 48 16 00-0012	EA		5 HP, Pulper/Extractor, Close-Coupled	6,268.62	257.58

11 50 Educational and Scientific Equipment ⁽¹¹⁾

11 52 Audio-Visual Equipment ^(11 50)

11 52 13 Projection Screens ^(11 52)

11 52 13 13 Fixed Projection Screens ^(11 52 13)

11 52 13 13-0001 Screens ^(11 52 13 13)

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) ^(11 52 13 13-0001)

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B).....	404.60	89.33
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B).....	482.01	114.85
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B).....	610.46	159.51
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B).....	707.02	191.41
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B).....	1,094.90	287.11
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,289.70	319.02
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B).....	929.01	204.18
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B).....	1,063.84	255.22
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B).....	573.86	108.47
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B).....	794.18	153.13
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B).....	865.20	172.27
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B).....	923.47	185.03
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B).....	1,065.53	223.32
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B).....	872.43	159.51
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	

11 Equipment
11 50 Educational and Scientific Equipment
11 52 Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13	13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	988.96 40.00 40.00 120.00	185.03
11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small>					
11 52 13	13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	940.46 40.00 40.00 120.00	114.85
11 52 13	13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,101.65 40.00 40.00 120.00	159.51
11 52 13	13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,281.99 40.00 40.00 120.00	216.93
11 52 13	13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,487.85 40.00 40.00 120.00	287.11
11 52 13	13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,631.59 40.00 40.00 120.00	293.50
11 52 13	13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,748.14 40.00 40.00 120.00	319.02
11 52 13	13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,780.89 40.00 40.00 120.00	319.02
11 52 13	13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,917.39 40.00 40.00 120.00	338.17
11 52 13	13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,053.92 40.00 40.00 120.00	357.30
11 52 13	13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,203.20 40.00 40.00 120.00	382.82
11 52 13	13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,465.17 40.00 40.00 120.00	382.82
11 52 13	13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,851.37 40.00 40.00 120.00	510.43
11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small>					
Note: With controlled screen return.					
11 52 13	13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,756.57 40.00 40.00 120.00	159.51
11 52 13	13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,969.66 40.00 40.00 120.00	216.93
11 52 13	13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,175.52 40.00 40.00 120.00	287.11
11 52 13	13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,286.51 40.00 40.00 120.00	293.50
11 52 13	13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,435.81 40.00 40.00 120.00	319.02
11 52 13	13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,468.55 40.00 40.00 120.00	319.02



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13	13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,605.06 40.00 40.00 120.00	338.17
11 52 13	13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,663.33 40.00 40.00 120.00	350.92
11 52 13	13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,989.10 40.00 40.00 120.00	382.82
11 52 13	13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,283.82 40.00 40.00 120.00	382.82
11 52 13	13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,735.51 40.00 40.00 120.00	510.43

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,532.03	143.56
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,590.73	159.51
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,705.44	191.41
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,127.23	287.11
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,204.28	293.50
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,402.67	319.02
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,469.65	319.02
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,642.88	341.35
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,854.28	357.30
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,993.72	382.82
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,114.27	382.82
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,578.45	510.43

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) (11 52 13 13-0001)

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,329.20	382.82
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,846.38	510.43
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,480.31	574.24
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,935.37	638.05
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,518.05	765.65
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,628.03	829.46
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,639.79	893.25
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,294.71	893.25
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,237.59	1,020.87
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,265.33	829.46
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,975.62	1,020.87
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,558.30	1,148.48
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,047.87	893.25
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	16,832.90	1,148.48

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) (11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,850.66	143.56
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,980.80	159.51
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,110.11	191.41
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,530.74	287.11

11 Equipment
11 50 Educational and Scientific Equipment
11 52 Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13	13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,608.98	293.50
11 52 13	13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,856.52	319.02
11 52 13	13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,052.99	319.02
11 52 13	13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,195.88	341.35
11 52 13	13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,391.52	357.30
11 52 13	13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,573.54	382.82
11 52 13	13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,639.04	382.82
11 52 13	13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,221.72	510.43
11 52 13	13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,809.45	542.33
11 52 13	13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,200.72	574.24
11 52 13	13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,048.73	638.05
11 52 13	13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,467.68	765.65
11 52 13	13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13	13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,855.18	143.56
11 52 13	13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,964.83	175.47
11 52 13	13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,026.20	191.41
11 52 13	13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,312.59	287.11
11 52 13	13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,354.81	293.50
11 52 13	13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,530.30	319.02
11 52 13	13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,703.86	319.02
11 52 13	13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,981.00	341.35
11 52 13	13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,058.76	357.30
11 52 13	13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,250.61	382.82
11 52 13	13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,247.22	446.63
11 52 13	13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,833.29	510.43
11 52 13	13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,527.84	542.33
11 52 13	13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,902.73	574.24
11 52 13	13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	9,636.13	638.05
11 52 13	13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	10,028.89	765.65
11 52 13	13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	10,926.03	829.46
11 52 13	13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	11,600.50	893.25
11 52 13	13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	12,078.59	893.25
11 52 13	13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	13,355.47	1,020.87
11 52 13	13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,026.20	191.41
11 52 13	13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,248.78	255.22
11 52 13	13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,342.06	287.11
11 52 13	13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,091.50	357.30
11 52 13	13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,519.01	446.63
11 52 13	13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,080.81	574.24
11 52 13	13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,584.89	701.84



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0116	EA		12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	15,100.93	957.06
11 52 13 13-0117	EA		45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,265.15	255.22
11 52 13 13-0118	EA		52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,391.18	287.11
11 52 13 13-0119	EA		54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,524.42	306.26
11 52 13 13-0120	EA		58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,604.94	331.78
11 52 13 13-0121	EA		65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,934.32	357.30
11 52 13 13-0122	EA		78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,394.58	446.63
11 52 13 13-0123	EA		92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,992.39	574.24
11 52 13 13-0124	EA		106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,236.53	701.84
11 52 13 13-0125	EA		119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	11,210.92	829.46
11 52 13 13-0126			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA		50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,956.43	143.56
11 52 13 13-0128	EA		60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,052.64	159.51
11 52 13 13-0129	EA		70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,164.67	191.41
11 52 13 13-0130	EA		84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,522.17	287.11
11 52 13 13-0131	EA		6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,588.50	293.50
11 52 13 13-0132	EA		8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,754.75	319.02
11 52 13 13-0133	EA		7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,934.24	319.02
11 52 13 13-0134	EA		9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,094.08	341.35
11 52 13 13-0135	EA		8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,211.71	357.30
11 52 13 13-0136	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,399.38	382.82
11 52 13 13-0137	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,584.22	382.82
11 52 13 13-0138	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,994.82	510.43
11 52 13 13-0139			Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) <small>(11 52 13 13-0001)</small> Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA		60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,977.52	319.02
11 52 13 13-0141	EA		69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,022.01	382.82
11 52 13 13-0142	EA		87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,631.57	574.24
11 52 13 13-0143	EA		105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,467.85	765.65
11 52 13 13-0144	EA		120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,015.29	893.25
11 52 13 13-0145	EA		52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,894.41	319.02
11 52 13 13-0146	EA		58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,364.60	382.82
11 52 13 13-0147	EA		65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,376.34	446.63
11 52 13 13-0148	EA		78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,085.03	574.24
11 52 13 13-0149			Electric Rear Projection Screen (Da-Lite DA-View) <small>(11 52 13 13-0001)</small> Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA		60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,738.69	319.02
11 52 13 13-0151	EA		67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,942.18	350.92

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13	13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,803.78	382.82
11 52 13	13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,224.18	414.73
11 52 13	13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,541.64	13,095.02
11 52 13	13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,036.90	510.43
11 52 13	13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,267.43	574.24
11 52 13	13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,005.29	638.05
11 52 13	13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	29,096.12	701.84
11 52 13	13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	38,911.18	765.65
11 52 13	13-0160		Screen Accessories (11 52 13 13-0001)		
11 52 13	13-0161		Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13	13-0162	EA	6" Mounting Bracket (Pair).....	78.08	9.57
11 52 13	13-0163	EA	14" Wall Mounting Bracket (Pair).....	110.83	10.21
11 52 13	13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	130.48	11.48
11 52 13	13-0165		Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13	13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared.....	814.51	
11 52 13	13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency.....	1,174.72	
11 52 13	13-0168		Relocate Existing Fixed Projection Screen (11 52 13 13)		
11 52 13	13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,876.59	
11 52 13	16		Portable Projection Screens (11 52 13)		
11 52 13	16-0001		Motion Picture Screen And Case (11 52 13 16)		
11 52 13	16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame	52.19	4.59
11 52 16			Projectors (11 52)		
11 52 16	26		Video Projectors (11 52 16)		
11 52 16	26-0001		Projectors (11 52 16 26)		
11 52 16	26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,368.85	63.81
11 52 16	26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,586.07	63.81
11 52 16	26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	2,098.08	63.81
11 52 16	26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,308.29	63.81
11 52 16	26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,851.33	63.81
11 52 16	26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	4,890.87	63.81
11 52 16	26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	7,776.75	63.81
11 52 16	26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,538.51	63.81
11 52 16	26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	15,643.11	63.81
11 52 16	26-0011		Projector Mounts (11 52 16 26)		
11 52 16	26-0012		Universal Projector Mounts (11 52 16 26-0011) Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16	26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF).....	301.18	70.15
11 52 16	26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14).....	493.80	70.15
11 52 16	26-0015		Projector Mount Components (11 52 16 26-0011) Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16	26-0016		Ceiling Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16	26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	109.58	31.88
11 52 16	26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	149.11	31.88
11 52 16	26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	207.62	31.88
11 52 16	26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	257.51	31.88
11 52 16	26-0021		Projector Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16	26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	380.71	31.88
11 52 16	26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	841.54	31.88
11 52 16	26-0024		Threaded Extension Columns For Projector Mounts (11 52 16 26-0015)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 16 26-0025

Fixed Length, Threaded Extension Column For Projector Mounts (11 52 16 26-0024)

Note: Peerless EXT series.

11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	65.45	9.56
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	84.96	9.56
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	92.27	9.56
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	97.15	9.56
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	115.72	12.76
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	140.10	12.76
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	179.11	12.76
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	205.93	12.76
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	241.56	15.95
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	275.70	15.95
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	306.46	19.13
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	321.09	19.13

11 52 16 26-0038

Adjustable Length, Threaded Extension Columns For Projector Mounts (11 52 16 26-0024)

Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	134.28	15.95
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	207.43	15.95
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	212.30	15.95
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	219.62	15.95
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	238.19	19.13
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	250.38	19.13
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	277.20	19.13
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	301.58	19.13
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	334.78	22.32
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	359.16	22.32
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	392.35	25.51
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	409.42	25.51

11 52 33 Interactive Displays (11 52)

11 52 33 00-0001

Television Monitors And Panels (11 52 33)

Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.

11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	694.78	18.00
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	762.44	20.24
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	1,036.62	22.49
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI	1,046.14	22.49
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI	1,184.88	24.74
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI	1,391.88	27.00
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI	1,735.35	29.25
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI	2,076.58	29.25
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI	2,420.06	31.51
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI	2,934.14	33.75
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI	4,642.51	36.00
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	2,134.54	27.00
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	2,979.81	29.25
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	4,035.85	31.51
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	4,248.85	33.75
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	6,356.41	33.75
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086)	19,373.78	36.00

11 52 33 00-0019

Flat Panel Display Mounting (11 52 33)

Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.

11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays	425.64	122.74
		Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt		
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays	662.67	153.42
		Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays	683.41	184.11
		Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate	728.54	184.11
		Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt		
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays	728.54	184.11
		Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt		
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays	403.11	122.74
		Note: 8" Extension		
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays	554.57	153.42
		Note: 9.7" Extension		
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays	953.75	184.11
		Note: 10.2" Extension		

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11 52 33 00-0028	EA		Full Motion Wall Mounts For 42" To 84" Flat Panel Displays Note: 20" Extension	1,368.95	214.80
11 52 33 00-0029	EA		Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	509.53	153.42
11 52 33 00-0030	EA		Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	599.61	153.42
11 52 33 00-0031	EA		Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	705.42	184.11
11 52 33 00-0032	EA		Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	419.44	153.42
11 52 33 00-0033	EA		Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	487.01	153.42
11 52 33 00-0034	EA		Low Profile Wall Mounts For 75" Flat Panel Displays	578.96	184.11
11 52 33 00-0035	EA		Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	701.62	245.49
11 52 33 00-0036	EA		Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	828.07	245.49
			<i>For 28" To 41" Extension Pole, Add</i>	44.06	
			<i>For 38" To 51" Extension Pole, Add</i>	56.10	
			<i>For 48" To 61" Extension Pole, Add</i>	64.13	
11 52 33 00-0037	EA		VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling	872.24	245.49
			Note: 360 degree rotation, 15 degree tilt.		
11 52 33 00-0038 Audio/Video Components (11 52 33)					
11 52 33 00-0039	EA		MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03).....	1,607.89	92.05
11 52 33 00-0040	EA		MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02).....	2,182.62	92.05
11 52 33 00-0041	EA		MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01).....	492.42	30.68
11 52 33 00-0042	EA		MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01).....	570.79	30.68
11 52 33 00-0043	EA		MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamp Input Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,322.38	122.74
11 52 33 00-0044	EA		MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02).....	2,583.62	122.74
11 52 33 00-0045	EA		MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03).....	2,583.62	122.74
11 52 33 00-0046	EA		Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	163.55	15.35
11 52 33 00-0047	EA		DVD/VCR Combo (Toshiba #SD V296).....	165.41	
11 52 33 00-0048	EA		DVD/VCR Combo (Toshiba #SD V392).....	167.66	
11 52 33 00-0049	EA		DVDr/VCR Combo (Toshiba #DVR620)	307.30	
11 52 33 00-0050	EA		DVDr/VCR Combo (Toshiba #DVR670)	422.15	
11 52 33 00-0051 Audio/Video Cabling (11 52 33)					
11 52 33 00-0052	EA		HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03).....	42.26	
11 52 33 00-0053	EA		HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06).....	61.85	
11 52 33 00-0054	EA		HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12).....	92.46	
11 52 33 00-0055	EA		HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25).....	192.27	
11 52 33 00-0056	EA		HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35).....	270.64	
11 52 33 00-0057	EA		HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50).....	371.68	
11 52 33 00-0058	EA		HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75).....	508.83	
11 52 33 00-0059	EA		HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100).....	626.39	
11 52 33 00-0060	EA		HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125).....	747.02	
11 52 33 00-0061	EA		HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150).....	825.39	
11 52 33 00-0062	EA		HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175).....	985.22	
11 52 33 00-0063	EA		HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200).....	1,184.21	
11 52 33 00-0064	EA		DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03).....	42.26	
11 52 33 00-0065	EA		DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06).....	61.85	
11 52 33 00-0066	EA		DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12).....	92.46	
11 52 33 00-0067	EA		DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25).....	192.27	
11 52 33 00-0068	EA		DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35).....	270.64	
11 52 33 00-0069	EA		DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50).....	371.68	
11 52 33 00-0070	EA		DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75).....	508.83	
11 52 33 00-0071	EA		DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100).....	626.39	
11 52 33 00-0072	EA		DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125).....	747.02	
11 52 33 00-0073	EA		DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150).....	825.39	
11 52 33 00-0074	EA		DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175).....	985.22	
11 52 33 00-0075	EA		DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200).....	1,184.21	
11 52 33 00-0076	EA		AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	18.74	
11 52 33 00-0077	EA		AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	29.64	
11 52 33 00-0078	EA		VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14).....	22.66	
11 52 33 00-0079	EA		VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01).....	24.62	
11 52 33 00-0080	EA		VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07).....	33.68	
11 52 33 00-0081	EA		VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02).....	39.56	
11 52 33 00-0082	EA		VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03).....	62.95	
11 52 33 00-0083	EA		VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17).....	88.42	
11 52 33 00-0084	EA		VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18).....	116.96	
11 52 33 00-0085	EA		VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19).....	156.15	
11 52 33 00-0086	EA		VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20).....	195.34	
11 52 33 00-0087	EA		VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24).....	32.46	
11 52 33 00-0088	EA		VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25).....	34.42	
11 52 33 00-0089	EA		VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26).....	43.48	
11 52 33 00-0090	EA		VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27).....	53.27	



Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0091 EA VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	74.71	
11 52 33 00-0092 EA VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	100.18	
11 52 33 00-0093 EA VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	136.56	
11 52 33 00-0094 EA VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	175.74	
11 52 33 00-0095 EA VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	224.73	
11 52 33 00-0096 EA A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	6.99	
11 52 33 00-0097 EA A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	8.95	
11 52 33 00-0098 EA A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	10.91	
11 52 33 00-0099 EA A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	14.83	

11 53 Laboratory Equipment (11 50)

11 53 43 Service Fittings and Accessories (11 53)

11 53 43 00-0001	Outlet And Valves <small>(11 53 43)</small>		
11 53 43 00-0002	EA Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,063.10	
11 53 43 00-0003	Test And Certify <small>(11 53 43)</small>		
11 53 43 00-0004	EA Test And Certify Medical Gas Port	61.86	

11 60 Entertainment and Recreation Equipment (11)

11 66 Athletic Equipment (11 60)

11 66 13 Exercise Equipment (11 66)

11 66 13 00-0001	Fitness Systems <small>(11 66 13)</small>		
11 66 13 00-0002	Components For Physical Fitness Activities <small>(11 66 13 00-0001)</small>		
11 66 13 00-0003	EA Sit And Reach	1,613.77	113.36
11 66 13 00-0004	EA Isometric Squat	601.21	45.34
11 66 13 00-0005	EA Log Jump	3,917.06	181.39
11 66 13 00-0006	EA Step Up	874.91	90.70
11 66 13 00-0007	EA Hip Rotation	4,305.16	158.71
11 66 13 00-0008	EA Body Curl	1,587.69	90.70
11 66 13 00-0009	EA Horizontal Ladder	5,207.78	181.39
11 66 13 00-0010	EA Chin Up	3,936.33	181.39
11 66 13 00-0011	EA Push Up	2,406.43	90.70
11 66 13 00-0012	EA Leg Raise	3,364.02	136.04
11 66 13 00-0013	EA Log Hop	1,525.90	45.34
11 66 13 00-0014	EA Parallel Bar	3,233.99	136.04
11 66 13 00-0015	EA Leg Stretch	1,356.52	90.70
11 66 13 00-0016	EA Balance Beam	1,219.67	68.02
11 66 13 00-0017	EA Log Roll	3,867.71	113.36

11 68 Play Field Equipment and Structures (11 60)

11 68 13 Playground Equipment (11 68)

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001	Standalone Playground Equipment <small>(11 68 13)</small>		
11 68 13 00-0002	Ground Socket For Movable Posts <small>(11 68 13 00-0001)</small>		
11 68 13 00-0003	PR Ground Socket For 2-3/8" Post For Playground Equipment	307.69	61.22
11 68 13 00-0004	PR Ground Socket For 3-1/2" Post For Playground Equipment	484.61	61.22
11 68 13 00-0005	See-Saws <small>(11 68 13 00-0001)</small>		
11 68 13 00-0006	Steel See-Saw <small>(11 68 13 00-0005)</small>		
11 68 13 00-0007	EA 2 Unit Steel See-Saw	2,643.98	376.74
11 68 13 00-0008	EA 4 Unit Steel See-Saw	4,343.85	445.22
11 68 13 00-0009	EA 6 Unit Steel See-Saw	6,050.16	544.17
11 68 13 00-0010	14' Long Laminated Beam <small>(11 68 13 00-0005)</small>		
11 68 13 00-0011	EA Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,870.12	333.12
11 68 13 00-0012	EA Beam Is Supported By Two 8 In x 8 In Posts	1,971.06	296.75
11 68 13 00-0013	Slides <small>(11 68 13 00-0001)</small>		
11 68 13 00-0014	EA 8' Long x 4' High Slide With Stainless Steel Bed	3,178.16	430.80
11 68 13 00-0015	EA 12' Long x 6' High Slide With Stainless Steel Bed	4,443.76	612.19
11 68 13 00-0016	EA 16' Long x 8' High Slide With Stainless Steel Bed	4,920.87	680.21
11 68 13 00-0017	EA 20' Long x 10' High Slide With Stainless Steel Bed	6,214.14	753.49
11 68 13 00-0018	EA 6' High, 360 Degree One Piece Molded Polyethylene Slide	22,837.72	1,185.29
11 68 13 00-0019	EA 7' High, 360 Degree Slide, Stainless Steel Bed	19,895.46	1,222.75

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0020	EA		9' High, 360 Degree Slide, Stainless Steel Bed	25,106.55	1,285.15
11 68 13 00-0021			Whirlers <small>(11 68 13 00-0001)</small>		
11 68 13 00-0022	EA		8' Diameter Whirler	7,190.50	816.25
11 68 13 00-0023	EA		10' Diameter Whirler	8,338.64	979.51
11 68 13 00-0024			Other Standalone Playground Equipment <small>(11 68 13 00-0001)</small>		
11 68 13 00-0025			Miscellaneous Standalone Playground Equipment <small>(11 68 13 00-0024)</small>		
11 68 13 00-0026	EA		Horizontal Ladder	2,319.02	218.12
11 68 13 00-0027	EA		Tether Ball Post	389.75	42.63
11 68 13 00-0028	PR		10'-6" Long Multiple Purpose Post	591.08	75.37
11 68 13 00-0029	EA		3-Person Fiberglass Golf Tee Shelter Turntable	10,084.24	212.95
11 68 13 00-0030	EA		Horizontal Turning Bars, 1 Bar	729.55	113.82
11 68 13 00-0031	EA		Horizontal Turning Bars, 2 Bars	991.25	136.04
11 68 13 00-0032	EA		Horizontal Turning Bars, 3 Bars	1,337.13	181.39
11 68 13 00-0033	EA		Horizontal Turning Bars, 5 Bars	1,960.33	249.41
11 68 13 00-0034	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	2,103.26	103.85
11 68 13 00-0035	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,316.36	112.10
11 68 13 00-0036	EA		Coil Spring With Single Riding Aluminum Saddle Devices	2,263.16	120.17
11 68 13 00-0037	EA		"C" Spring With Single Riding Aluminum Saddle Devices	2,276.05	103.39
11 68 13 00-0038	EA		Rubber Spring With Single Riding Aluminum Saddle Devices	2,800.38	135.40
11 68 13 00-0039	EA		Coil Spring Assembly Only	569.71	49.79
11 68 13 00-0040	EA		"C" Spring Assembly Only	378.52	33.20
11 68 13 00-0041	EA		Rubber Spring Assembly Only	242.37	64.75
11 68 13 00-0042	EA		Footbuck Assembly Only	98.35	8.71
11 68 13 00-0043	EA		Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,576.28	124.53
11 68 13 00-0044			Freestanding Panels <small>(11 68 13 00-0024)</small>		
			Note: Rotomolded polyethylene.		
11 68 13 00-0045	EA		Tic-Tac-Toe Panel	1,096.91	53.33
11 68 13 00-0046	EA		24" Bubble Panel	1,643.24	79.90
11 68 13 00-0047	EA		Fire Engine Panel	2,411.49	117.27
11 68 13 00-0048	EA		Flat Mirror Panel	1,929.22	93.86
11 68 13 00-0049	EA		Wavy Mirror Panel	2,855.39	138.94
11 68 13 00-0050	EA		Paint Time Panel	1,852.37	90.15
11 68 13 00-0051	EA		Phone Time Panel	1,314.58	63.94
11 68 13 00-0052	EA		Phone Time With Graphic Panel	1,314.58	63.94
11 68 13 00-0053	EA		Race Time Panel	2,304.79	112.10
11 68 13 00-0054	EA		Rescue 911 Panel	2,339.47	112.10
11 68 13 00-0055	EA		Eastern/Central/Western States Panel	1,259.10	61.22
11 68 13 00-0056	EA		Career People Panel	1,429.82	69.56
11 68 13 00-0057	EA		Solar System Panel	1,429.82	69.56
11 68 13 00-0058	EA		Animals Panel	1,429.82	69.56
11 68 13 00-0059			Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0060	EA		3-1/2" Outside Diameter End Panel Upright	337.19	29.93
11 68 13 00-0061	EA		3-1/2" Outside Diameter 90 Degree Upright	365.30	32.38
11 68 13 00-0062	EA		3-1/2" Outside Diameter 180 Degree Upright	365.30	32.38
11 68 13 00-0063	EA		3-1/2" Outside Diameter "T-Shaped" Upright	388.71	34.47
11 68 13 00-0064			Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0065	EA		12' Single Metal Coaster With Four Posts	8,497.20	362.77
11 68 13 00-0066	EA		18' Single Metal Coaster With Four Posts	9,490.56	453.47
11 68 13 00-0067	EA		12' Double Metal Coaster With Four Posts	13,755.10	544.16
11 68 13 00-0068	EA		18' Double Metal Coaster With Four Posts	15,628.18	680.20
11 68 13 00-0069			Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0070	EA		Tower Climber, 3.17' Diameter x 7.25' High	1,516.08	242.33
11 68 13 00-0071	EA		Arch Climber, 2' x 12' x 4.5' High	1,376.22	296.75
11 68 13 00-0072	EA		Arch Climber, 2' x 15' x 5.83' High	1,499.85	242.33
11 68 13 00-0073	EA		Arch Climber, 2' x 17' x 6.58' High	1,616.93	296.75
11 68 13 00-0074	EA		Rainbow Climber, 2' x 10'-5" x 4' High	1,736.46	242.06
11 68 13 00-0075	EA		Rainbow Climber, 2' x 10'-5" x 5' High	1,953.18	242.15
11 68 13 00-0076	EA		Rainbow Climber, 2' x 12'-5" x 6' High	2,285.27	242.15
11 68 13 00-0077	EA		Rainbow Climber, 2' x 15'-4" x 7' High	2,502.35	242.06
11 68 13 00-0078	EA		Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	3,021.28	283.42
11 68 13 00-0079	EA		12' Long Horizontal Ladder Climber	2,464.75	211.59
11 68 13 00-0080	EA		14' Long Horizontal Ladder Climber	2,501.28	211.59
11 68 13 00-0081	EA		16' Long Horizontal Ladder Climber	2,743.14	211.59
11 68 13 00-0082	EA		Bell Climber, 7'-5" High With Double Bars	2,562.44	272.08
11 68 13 00-0083	EA		2-Way Climber	2,146.75	218.12
11 68 13 00-0084	EA		4-Way Climber	3,459.67	218.12



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0085 Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0086 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0085)</small> Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087 EA 8' High Top Rail, One Section Two Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,991.67 233.09 269.18	333.12
11 68 13 00-0088 EA 8' High Top Rail, Two Sections Four Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,187.70 374.65 438.80	476.69
11 68 13 00-0089 EA 8' High Top Rail, Three Sections, Six Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,407.98 517.58 604.33	701.43
11 68 13 00-0090 EA 8' High Top Rail, Four Sections, Eight Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,530.31 650.47 763.69	816.25
11 68 13 00-0091 EA 10' High Top Rail, One Section Two Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,131.57 250.57 293.67	333.12
11 68 13 00-0092 EA 10' High Top Rail, Two Section Four Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,323.97 389.42 451.30	507.71
11 68 13 00-0093 EA 10' High Top Rail, Three Sections, Six Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,580.31 534.98 613.77	788.41
11 68 13 00-0094 EA 10' High Top Rail, Four Sections, Eight Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,081.17 712.51 826.04	952.30
11 68 13 00-0095 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0085)</small> Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096 EA 8' High Top Rail, One Section, Two Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,303.03 273.17 329.47	294.22
11 68 13 00-0097 EA 8' High Top Rail, Two Sections, Four Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,342.74 396.50 478.26	426.90
11 68 13 00-0098 EA 8' High Top Rail, Three Sections, Six Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,459.18 528.85 637.63	570.93
11 68 13 00-0099 EA 8' High Top Rail, Four Sections, Eight Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,582.83 663.84 806.92	680.21
11 68 13 00-0100 EA 10' High Top Rail, One Section, Two Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,597.27 308.08 371.63	331.58
11 68 13 00-0101 EA 10' High Top Rail, One Section Three Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,716.53 322.82 391.65	351.63
11 68 13 00-0102 EA 10' High Top Rail, Two Sections, Four Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,625.46 429.97 518.40	464.18
11 68 13 00-0103 EA 10' High Top Rail, Two Sections, Six Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,377.54 521.70 638.61	535.10
11 68 13 00-0104 EA 10' High Top Rail, Three Section, Six Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,826.04 572.38 690.16	617.54
11 68 13 00-0105 EA 10' High Top Rail, Three Sections, Nine Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,039.41 720.91 886.82	680.48
11 68 13 00-0106 EA 10' High Top Rail, Four Section, Eight Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,110.29 722.96 865.19	816.25
11 68 13 00-0107 EA 12' High Top Rail, One Section Three Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,843.57 338.29 411.83	360.15
11 68 13 00-0108 EA 12' High Top Rail, Two Sections, Six Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,627.87 550.88 671.86	579.45
11 68 13 00-0109 EA 12' High Top Rail, Three Sections, Nine Seats..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,707.41 793.08 947.06	928.08
11 68 13 00-0110 Swing Accessories <small>(11 68 13 00-0085)</small>		
11 68 13 00-0111 EA Enclosed Tot Seat With Chain And Hardware.....	694.16	27.25
11 68 13 00-0112 EA Bucket Seat With Chain And Hardware.....	577.08	22.67
11 68 13 00-0113 EA Belt Seat With Chain And Hardware.....	614.71	24.19
11 68 13 00-0114 EA Seat With Chain And Hardware.....	606.35	23.83
11 68 13 00-0115 EA Wide Seat With Chain And Hardware.....	640.04	25.19
11 68 13 00-0116 EA Handi Seat With Chain And Hardware.....	1,911.03	75.11
11 68 13 00-0117 LF 0.4 LB/LF Replacement Chain.....	7.89	0.54

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0118	LF	1 LB/LF Replacement Chain.....	14.66	1.08
11 68	13 00-0119	EA	Swing Hanger Replacement.....	85.70	6.20
11 68 13 00-0120 Playground Equipment (Columbia Cascade) (11 68 13)					
Note: Excludes excavation and concrete.					
11 68	13 00-0121	EA	Curved Balance Beam (Columbia Cascade 1628-12-12).....	1,348.85	111.27
11 68	13 00-0122	EA	Kid Mixer (Columbia Cascade 1630-2-21-PL).....	3,210.86	264.87
11 68	13 00-0123	EA	Kid Spinner (Columbia Cascade 1630-5-22-PL).....	3,219.99	264.87
11 68	13 00-0124	EA	Spiral Spinner (Columbia Cascade 1630-6-11-PL).....	5,146.17	424.57
11 68	13 00-0125	EA	Whirlarround (Columbia Cascade 1630-6-12-PL).....	6,626.98	546.80
11 68	13 00-0126	EA	Parallel Bars (Columbia Cascade 1695).....	1,070.29	88.33
11 68	13 00-0127	EA	Interplay Structure (Columbia Cascade 7800-02-M).....	55,801.48	4,603.95
11 68	13 00-0128	EA	Interplay Structure (Columbia Cascade 7800-06-M).....	73,486.50	4,709.22
11 68	13 00-0129	EA	Interplay Structure (Columbia Cascade 7807-M1).....	34,014.58	2,806.39
11 68	13 00-0130	EA	Interplay Structure (Columbia Cascade 7807-M2).....	29,953.36	2,471.37
11 68	13 00-0131	EA	Interplay Structure (Columbia Cascade 7807-M3).....	21,376.40	1,763.65
11 68	13 00-0132	EA	Interplay Structure (Columbia Cascade 7879-M).....	53,470.32	4,411.67
11 68	13 00-0133	EA	Pipeline Play Structure (Columbia Cascade 9813-M).....	23,472.99	1,936.65
11 68	13 00-0134	EA	Pipeline Structure (Columbia Cascade 9826-M).....	27,167.67	2,241.51
11 68	13 00-0135	EA	Pipeline Play Structure (Columbia Cascade 9834-M).....	49,980.89	4,123.74
11 68	13 00-0136	EA	Pipeline Play Structure (Columbia Cascade 9839-M).....	64,613.02	5,330.95
11 68	13 00-0137	EA	Pipeline Play Structure (Columbia Cascade 9843-M).....	65,287.45	5,386.59
11 68	13 00-0138	EA	Pipeline Play Structure (Columbia Cascade 9856-M).....	66,299.09	5,470.04
11 68	13 00-0139	EA	Pipeline Play Structure (Columbia Cascade 9878-M).....	78,145.54	6,447.49
11 68 13 00-0140 Playground Equipment (Landscape Structures®) (11 68 13)					
Note: Excludes excavation and concrete footings.					
11 68 13 00-0141 Playground Equipment (Landscape Structures® PlayShaper®) (11 68 13 00-0140)					
Note: Ages 2 to 5 years.					
11 68	13 00-0142	EA	EI Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A).....	2,988.91	121.83
11 68	13 00-0143	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A).....	7,547.98	456.86
11 68	13 00-0144	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A).....	3,116.79	121.83
11 68	13 00-0145	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A).....	3,556.27	182.74
11 68	13 00-0146	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A).....	3,017.37	182.74
11 68	13 00-0147	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A).....	2,395.20	121.83
11 68	13 00-0148	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B).....	2,660.09	121.83
11 68	13 00-0149	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A).....	2,038.97	121.83
11 68	13 00-0150	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A).....	5,788.12	365.48
11 68	13 00-0151	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B).....	6,683.25	365.48
11 68	13 00-0152	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C).....	7,203.89	365.48
11 68	13 00-0153	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A).....	2,056.20	60.91
11 68	13 00-0154	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A).....	2,084.64	121.83
11 68	13 00-0155	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A).....	2,761.62	182.74
11 68	13 00-0156	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B).....	3,081.31	182.74
11 68	13 00-0157	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C).....	3,437.53	182.74
11 68	13 00-0158	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A).....	1,984.17	121.83
11 68	13 00-0159	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A).....	8,292.93	487.31
11 68	13 00-0160	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A).....	1,152.98	121.83
11 68	13 00-0161	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A).....	1,225.00	60.91
11 68	13 00-0162	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A).....	1,841.59	152.29
11 68	13 00-0163	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A).....	2,858.05	213.20
11 68	13 00-0164	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B).....	3,342.15	213.20
11 68	13 00-0165	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A).....	3,125.92	121.83
11 68	13 00-0166	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	3,363.40	121.83
11 68	13 00-0167	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A).....	1,527.47	121.83
11 68	13 00-0168	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,783.22	121.83
11 68	13 00-0169	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A).....	797.73	50.77
11 68	13 00-0170	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B).....	1,476.72	91.37
11 68	13 00-0171	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C).....	2,225.78	233.50
11 68	13 00-0172	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D).....	2,627.67	233.50
11 68	13 00-0173	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	2,358.66	121.83
11 68	13 00-0174	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	5,032.49	121.83
11 68	13 00-0175	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C).....	3,500.41	121.83
11 68	13 00-0176	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A).....	1,090.37	152.29
11 68	13 00-0177	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	1,121.54	152.29
11 68	13 00-0178	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	1,175.74	152.29
11 68	13 00-0179	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A).....	1,192.52	30.46
11 68	13 00-0180	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A).....	434.40	30.46
11 68	13 00-0181	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A).....	4,247.95	213.20
11 68	13 00-0182	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A).....	2,217.20	152.29
11 68	13 00-0183	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	1,356.73	50.77
11 68	13 00-0184	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A).....	2,677.31	60.91
11 68	13 00-0185	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A).....	370.40	38.38
11 68	13 00-0186	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	2,074.46	60.91
11 68	13 00-0187	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A).....	819.07	91.37
11 68	13 00-0188	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A).....	1,568.71	91.37
11 68	13 00-0189	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	5,740.35	243.66



	Equipment	11
	Entertainment and Recreation Equipment	11 60
	Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0190 EA Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	5,740.35	243.66
11 68 13 00-0191 EA Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A).....	2,614.42	121.83
11 68 13 00-0192 EA Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A).....	1,956.77	121.83
11 68 13 00-0193 EA 28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A).....	2,010.53	60.91
11 68 13 00-0194 EA 56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B).....	2,604.24	60.91
11 68 13 00-0195 EA 90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,870.17	121.83
11 68 13 00-0196 EA C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A).....	4,726.47	243.66
11 68 13 00-0197 EA S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B).....	4,726.47	243.66
11 68 13 00-0198 EA C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	4,726.47	243.66
11 68 13 00-0199 EA S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	4,726.47	243.66
11 68 13 00-0200 EA Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A).....	909.37	30.46
11 68 13 00-0201 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A).....	1,395.48	20.31
11 68 13 00-0202 EA Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A).....	1,614.70	20.31
11 68 13 00-0203 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A).....	1,760.84	20.31
11 68 13 00-0204 EA Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	955.04	30.46
11 68 13 00-0205 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A).....	756.10	20.31
11 68 13 00-0206 EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A).....	2,208.41	20.31
11 68 13 00-0207 EA Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A).....	600.82	20.31
11 68 13 00-0208 EA House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	708.42	30.46
11 68 13 00-0209 EA Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A).....	1,879.58	20.31
11 68 13 00-0210 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A).....	1,174.25	30.46
11 68 13 00-0211 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,626.90	60.91
11 68 13 00-0212 EA Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,747.66	50.77
11 68 13 00-0213 EA Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,677.67	91.37
11 68 13 00-0214 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	1,221.93	20.31
11 68 13 00-0215 EA Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A).....	1,822.77	30.46
11 68 13 00-0216 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A).....	1,247.32	30.46
11 68 13 00-0217 EA Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A).....	1,590.36	60.91
11 68 13 00-0218 EA Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A).....	544.01	30.46
11 68 13 00-0219 EA Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A).....	1,683.72	50.77
11 68 13 00-0220 EA Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A).....	1,286.93	81.22
11 68 13 00-0221 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A).....	1,569.03	20.31
11 68 13 00-0222 EA Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A).....	600.82	20.31
11 68 13 00-0223 EA Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A).....	827.16	30.46
11 68 13 00-0224 EA Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A).....	600.82	20.31
11 68 13 00-0225 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A).....	774.37	20.31
11 68 13 00-0226 EA Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A).....	1,458.45	91.37
11 68 13 00-0227 EA Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A).....	1,594.42	30.46
11 68 13 00-0228 EA Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A).....	1,210.79	30.46
11 68 13 00-0229 EA 2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A).....	1,163.09	50.77
11 68 13 00-0230 EA 1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A).....	669.85	50.77
11 68 13 00-0231 EA 1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A).....	589.68	30.46
11 68 13 00-0232 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A).....	1,632.00	91.37
11 68 13 00-0233 EA Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B).....	1,896.88	91.37
11 68 13 00-0234 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A).....	546.02	20.31
11 68 13 00-0235 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A).....	765.23	20.31
11 68 13 00-0236 EA Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A).....	156.91	20.31
11 68 13 00-0237 EA Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A).....	881.96	30.46
11 68 13 00-0238 EA Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B).....	1,172.22	50.77
11 68 13 00-0239 EA Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A).....	669.85	50.77
11 68 13 00-0240 EA Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B).....	934.74	50.77
11 68 13 00-0241 EA Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A).....	153.26	20.31
11 68 13 00-0242 EA Steering Wheel (Landscape Structures® PlayShaper® 111306A).....	290.27	20.31
11 68 13 00-0243 EA Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B).....	390.74	20.31
11 68 13 00-0244 EA Handloop (Landscape Structures® PlayShaper® 119977A).....	226.33	20.31
11 68 13 00-0245 EA Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A).....	617.08	30.46
11 68 13 00-0246 EA 16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B).....	635.35	30.46
11 68 13 00-0247 EA 24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C).....	644.48	30.46
11 68 13 00-0248 EA 32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D).....	662.75	30.46
11 68 13 00-0249 EA 40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E).....	671.88	30.46
11 68 13 00-0250 EA 48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F).....	690.15	30.46
11 68 13 00-0251 EA Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A).....	560.32	182.74
Note: Order one talk tube tubing kit with two talk tubes (any height listed).		
11 68 13 00-0252 EA Arch Roof (Landscape Structures® PlayShaper® 111407A).....	932.71	60.91
11 68 13 00-0253 EA Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A).....	1,746.69	121.83
11 68 13 00-0254 EA Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A).....	1,938.50	121.83
11 68 13 00-0255 EA Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A).....	4,039.32	121.83
11 68 13 00-0256 EA Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B).....	4,696.97	121.83
11 68 13 00-0257 EA Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A).....	1,016.94	50.77
11 68 13 00-0258 EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A).....	971.27	50.77
11 68 13 00-0259 EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A).....	989.54	50.77
11 68 13 00-0260 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A).....	799.76	30.46
11 68 13 00-0261 EA Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A).....	1,583.33	182.74
11 68 13 00-0262 EA Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B).....	1,446.32	182.74
11 68 13 00-0263 EA Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C).....	1,327.58	182.74

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0264	EA		Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	189.79	20.31
11 68 13 00-0265	EA		8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	167.87	20.31
11 68 13 00-0266	EA		16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	244.60	20.31
11 68 13 00-0267	EA		8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	204.41	20.31
11 68 13 00-0268	EA		16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	299.40	20.31
11 68 13 00-0269	EA		To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,000.15	243.66
11 68 13 00-0270	EA		To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,429.44	243.66
11 68 13 00-0271	EA		To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,612.12	243.66
11 68 13 00-0272	EA		56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,818.71	60.91
11 68 13 00-0273	EA		48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,782.18	60.91
11 68 13 00-0274	EA		40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,763.91	60.91
11 68 13 00-0275	EA		32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,736.51	60.91
11 68 13 00-0276	EA		24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,709.10	60.91
11 68 13 00-0277	EA		16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,690.84	60.91
11 68 13 00-0278	EA		8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,672.57	60.91
11 68 13 00-0279	EA		Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,654.30	60.91
11 68 13 00-0280	EA		82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	407.00	30.46
11 68 13 00-0281	EA		74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	388.73	30.46
11 68 13 00-0282	EA		66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	361.33	30.46
11 68 13 00-0283	EA		58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	352.19	30.46
11 68 13 00-0284	EA		50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	343.06	30.46
11 68 13 00-0285	EA		42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	333.92	30.46
11 68 13 00-0286	EA		128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	724.73	182.74
11 68 13 00-0287	EA		114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	688.20	182.74
11 68 13 00-0288	EA		106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	679.06	182.74
11 68 13 00-0289	EA		98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	416.13	30.46
11 68 13 00-0290	EA		90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	407.00	30.46
11 68 13 00-0291	EA		82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	388.73	30.46
11 68 13 00-0292	EA		74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	361.33	30.46
11 68 13 00-0293	EA		69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	352.19	30.46
11 68 13 00-0294	EA		145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	480.07	30.46
11 68 13 00-0295	EA		137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	470.93	30.46
11 68 13 00-0296	EA		129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	443.53	30.46
11 68 13 00-0297	EA		121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	434.40	30.46
11 68 13 00-0298	EA		113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	425.26	30.46
11 68 13 00-0299	EA		105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	407.00	30.46
11 68 13 00-0300	EA		97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	388.73	30.46
11 68 13 00-0301	EA		89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	361.33	30.46
11 68 13 00-0302	EA		Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,584.78	210.31
11 68 13 00-0303	EA		Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,551.01	207.59
11 68 13 00-0304	EA		Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,078.00	169.14
11 68 13 00-0305	EA		Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	2,044.14	166.33
11 68 13 00-0306	EA		Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	422.33	34.38
11 68 13 00-0307	EA		Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	405.45	33.02
11 68 13 00-0308	EA		Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	459.51	37.37
11 68 13 00-0309	EA		Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	439.23	35.74
11 68 13 00-0310	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	8,883.49	304.57
11 68 13 00-0311	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,725.43	182.74

11 68 13 00-0312 Playground Equipment (Landscape Structures® Independent Pieces) (11 68 13 00-0140)

11 68 13 00-0313	EA		9-Blocks, Block Climber (Landscape Structures® 117966A)	3,823.25	304.57
11 68 13 00-0314	EA		12-Blocks, Block Climber (Landscape Structures® 117966B)	4,325.62	304.57
11 68 13 00-0315	EA		116-Blocks, Block Climber (Landscape Structures® 117966C)	5,313.15	365.48
11 68 13 00-0316	EA		Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	3,986.62	243.66
11 68 13 00-0317	EA		6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	6,482.18	406.09
11 68 13 00-0318	EA		4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	4,460.54	182.74
11 68 13 00-0319	EA		Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	11,920.17	548.23
11 68 13 00-0320	EA		Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	10,747.88	365.48
11 68 13 00-0321	EA		Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	7,906.15	304.57
11 68 13 00-0322	EA		Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	9,327.02	335.03
11 68 13 00-0323	EA		Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	12,168.74	395.94
11 68 13 00-0324	EA		Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	13,589.60	426.40
11 68 13 00-0325	EA		Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	10,473.86	365.48
11 68 13 00-0326	EA		Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	7,723.47	304.57
11 68 13 00-0327	EA		Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	9,098.67	335.03
11 68 13 00-0328	EA		Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	11,849.05	395.94
11 68 13 00-0329	EA		Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	13,224.24	426.40
11 68 13 00-0330	EA		8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	432.37	50.77
11 68 13 00-0331	EA		16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	441.50	50.77
11 68 13 00-0332	EA		24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	450.63	50.77
11 68 13 00-0333	EA		30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	459.77	50.77
11 68 13 00-0334	EA		Track Ride Curved (Landscape Structures® 118093A)	4,377.28	121.83
11 68 13 00-0335	EA		18" Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	6,637.58	365.48
11 68 13 00-0336	EA		18" Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	6,454.90	365.48
11 68 13 00-0337	EA		10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	5,578.04	365.48
11 68 13 00-0338	EA		10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	5,212.68	365.48



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0339 EA 18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	5,806.39	365.48
11 68 13 00-0340 EA 18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	5,623.71	365.48
11 68 13 00-0341 EA Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	549.09	60.91
11 68 13 00-0342 EA Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	19,933.84	730.96
11 68 13 00-0343 EA CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	17,190.79	1,096.44
11 68 13 00-0344 EA CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	5,746.63	609.14
11 68 13 00-0345 EA CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A).....	7,073.91	243.66
11 68 13 00-0346 EA CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A).....	11,427.98	609.14
11 68 13 00-0347 EA Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	720.62	81.22
11 68 13 00-0348 EA Straight Crawl Tunnel (Landscape Structures® 100005A).....	2,323.18	182.74
11 68 13 00-0349 EA Curved Crawl Tunnel (Landscape Structures® 100005D).....	2,953.43	182.74
11 68 13 00-0350 EA 4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	615.13	182.74
11 68 13 00-0351 EA SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	870.88	182.74
11 68 13 00-0352 EA 8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	1,239.39	365.48
11 68 13 00-0353 EA 8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	1,796.56	365.48
11 68 13 00-0354 EA 8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D).....	1,239.39	365.48
11 68 13 00-0355 EA 8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E).....	1,796.56	365.48
11 68 13 00-0356 EA Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	5,689.74	487.31
11 68 13 00-0357 EA Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	5,532.37	365.48
11 68 13 00-0358 EA Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	2,534.31	243.66
11 68 13 00-0359 EA Clear Paint Panel, Surface Mount (Landscape Structures® 112621A).....	1,024.05	60.91
11 68 13 00-0360 EA Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	892.14	91.37
11 68 13 00-0361 EA Dino Climber, Direct Bury (Landscape Structures® 100122A).....	14,823.74	487.31
11 68 13 00-0362 EA Dino Climber, Surface Mount (Landscape Structures® 100122B).....	15,443.80	426.40
11 68 13 00-0363 EA Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	4,107.46	365.48
11 68 13 00-0364 EA Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A).....	4,207.94	365.48
11 68 13 00-0365 EA Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A).....	4,965.00	304.57
11 68 13 00-0366 EA Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B).....	3,484.25	243.66
11 68 13 00-0367 EA Kids In Motion, Saddle Spinner (Landscape Structures® 152179A).....	1,499.02	60.91
11 68 13 00-0368 EA Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	2,212.52	121.83
11 68 13 00-0369 EA Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	2,121.18	121.83
11 68 13 00-0370 EA Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A).....	587.64	50.77
11 68 13 00-0371 EA Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	7,891.03	487.31
11 68 13 00-0372 EA Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	2,783.03	365.48
11 68 13 00-0373 EA Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B).....	2,600.35	365.48
11 68 13 00-0374 EA Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C).....	3,276.27	365.48
11 68 13 00-0375 EA Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A).....	2,202.34	60.91
11 68 13 00-0376 EA Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A).....	3,063.04	182.74
11 68 13 00-0377 EA Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A).....	5,530.26	243.66
11 68 13 00-0378 EA Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A).....	7,988.36	304.57
11 68 13 00-0379 EA Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A).....	3,235.53	121.83
11 68 13 00-0380 EA Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B).....	2,787.96	121.83
11 68 13 00-0381 EA 2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A).....	3,582.62	121.83
11 68 13 00-0382 EA 2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B).....	3,089.38	121.83
11 68 13 00-0383 EA 4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A).....	4,331.61	121.83
11 68 13 00-0384 EA 4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B).....	3,856.64	121.83
11 68 13 00-0385 EA Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A).....	409.01	20.31
11 68 13 00-0386 EA Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B).....	335.94	20.31
11 68 13 00-0387 EA Stationary Cyler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A).....	1,523.44	152.29
11 68 13 00-0388 EA Stationary Cyler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A).....	1,367.11	91.37
11 68 13 00-0389 EA Stationary Cyler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B).....	1,413.83	152.29
11 68 13 00-0390 EA Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B).....	2,085.70	182.74
11 68 13 00-0391 EA Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A).....	326.80	20.31
11 68 13 00-0392 EA Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B).....	272.00	20.31
11 68 13 00-0393 EA Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B).....	1,760.92	152.29
11 68 13 00-0394 EA Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,784.28	182.74
11 68 13 00-0395 EA Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,766.01	182.74
11 68 13 00-0396 EA Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B).....	2,085.70	182.74
11 68 13 00-0397 EA RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B).....	1,742.65	152.29
11 68 13 00-0398 EA T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B).....	1,766.01	182.74
11 68 13 00-0399 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A).....	2,629.70	213.20
11 68 13 00-0400 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B).....	2,761.62	182.74
11 68 13 00-0401 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A).....	2,383.08	213.20
11 68 13 00-0402 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B).....	2,505.86	182.74
11 68 13 00-0403 EA Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A).....	1,797.46	152.29
11 68 13 00-0404 EA Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A).....	1,463.53	121.83
11 68 13 00-0405 EA Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A).....	1,486.90	152.29
11 68 13 00-0406 EA Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A).....	1,468.63	152.29
11 68 13 00-0407 EA Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A).....	1,797.46	152.29
11 68 13 00-0408 EA RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A).....	1,454.40	121.83
11 68 13 00-0409 EA T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A).....	1,468.63	152.29
11 68 13 00-0410 EA Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B).....	1,843.13	152.29
11 68 13 00-0411 EA Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B).....	1,971.00	152.29
11 68 13 00-0412 EA Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B).....	1,879.66	152.29
11 68 13 00-0413 EA Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A).....	1,564.01	121.83
11 68 13 00-0414 EA Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A).....	1,682.75	121.83
11 68 13 00-0415 EA Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A).....	1,600.54	121.83
11 68 13 00-0416 EA SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A).....	11,512.29	730.96

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0417	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A).....	6,161.56	304.57
11 68	13 00-0418	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C).....	7,458.58	304.57
11 68	13 00-0419	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A).....	22,600.22	1,218.27
11 68	13 00-0420	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A).....	3,877.01	243.66
11 68	13 00-0421	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B).....	2,122.24	182.74
11 68	13 00-0422	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A).....	42,661.93	1,949.23
11 68	13 00-0423	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A).....	23,463.01	1,461.93
11 68	13 00-0424	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A).....	21,261.71	1,461.93
11 68	13 00-0425	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A).....	10,174.53	487.31
11 68	13 00-0426	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A).....	1,467.59	91.37
11 68	13 00-0427	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B).....	1,641.13	91.37
11 68	13 00-0428	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A).....	5,212.68	365.48
11 68	13 00-0429	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A).....	1,102.23	91.37
11 68	13 00-0430	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B).....	1,193.57	91.37
11 68	13 00-0431	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A).....	5,011.99	487.31
11 68	13 00-0432	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C).....	4,858.54	487.31
11 68	13 00-0433	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A).....	3,162.73	243.66
11 68	13 00-0434	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C).....	3,009.28	243.66
11 68	13 00-0435	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A).....	2,572.95	365.48
11 68	13 00-0436	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B).....	2,726.40	365.48
11 68	13 00-0437	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A).....	1,857.35	182.74
11 68	13 00-0438	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B).....	2,010.80	182.74
11 68	13 00-0439	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A).....	2,965.71	365.48
11 68	13 00-0440	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B).....	3,119.16	365.48
11 68	13 00-0441	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A).....	2,250.11	182.74
11 68	13 00-0442	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B).....	2,403.56	182.74
11 68	13 00-0443	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A).....	1,133.66	60.91
11 68	13 00-0444	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A).....	5,753.67	487.31
11 68	13 00-0445	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A).....	4,041.42	243.66
11 68	13 00-0446	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B).....	5,223.90	487.31
11 68	13 00-0447	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B).....	3,383.77	243.66
11 68	13 00-0448	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B).....	2,598.25	243.66
11 68	13 00-0449	EA	Curved Balance Beam (Landscape Structures® 100041A).....	1,104.25	81.22
11 68	13 00-0450	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A).....	1,952.73	152.29
11 68	13 00-0451	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A).....	4,169.30	243.66
11 68	13 00-0452	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B).....	4,662.53	243.66
11 68	13 00-0453	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C).....	4,160.16	243.66
11 68	13 00-0454	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D).....	4,653.40	243.66
11 68	13 00-0455	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A).....	20,497.92	2,192.89
11 68	13 00-0456	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B).....	19,895.07	2,192.89
11 68	13 00-0457	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B).....	12,858.43	1,461.93
11 68	13 00-0458	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A).....	13,114.19	1,461.93
11 68	13 00-0459	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A).....	2,908.81	243.66
11 68	13 00-0460	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B).....	2,817.47	243.66
11 68	13 00-0461	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A).....	25.68	10.15
11 68	13 00-0462	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A).....	82.42	10.15
11 68	13 00-0463	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A).....	1,057.52	20.31
11 68	13 00-0464	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A).....	580.54	30.46
11 68	13 00-0465	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A).....	580.54	30.46
11 68	13 00-0466	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A).....	544.01	30.46
11 68	13 00-0467	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A).....	1,119.45	30.46
11 68	13 00-0468	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A).....	945.90	30.46
11 68	13 00-0469	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A).....	945.90	30.46
11 68	13 00-0470	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A).....	317.67	20.31
11 68	13 00-0471	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A).....	786.57	60.91
11 68	13 00-0472	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A).....	407.00	30.46
11 68	13 00-0473	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A).....	388.73	30.46
11 68	13 00-0474	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A).....	125.85	20.31
11 68	13 00-0475	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A).....	118.55	20.31
11 68	13 00-0476	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A).....	10.10	3.04
11 68	13 00-0477	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A).....	13.24	
11 68	13 00-0478	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A).....	297.39	30.46
11 68	13 00-0479	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A).....	98.45	15.23
11 68	13 00-0480	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B).....	343.06	30.46
11 68	13 00-0481	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C).....	288.25	30.46
11 68	13 00-0482	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A).....	5,000.49	243.66
11 68	13 00-0483	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A).....	180.66	15.23
11 68	13 00-0484	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B).....	180.66	15.23
11 68	13 00-0485	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C).....	180.66	15.23
11 68	13 00-0486	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D).....	180.66	15.23
11 68	13 00-0487	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E).....	180.66	15.23
11 68	13 00-0488	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F).....	180.66	15.23
11 68	13 00-0489	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A).....	189.79	15.23
11 68	13 00-0490	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A).....	2,587.01	121.83
11 68	13 00-0491	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B).....	2,663.74	121.83
11 68	13 00-0492	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A).....	91.34	



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0493 EA 1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A).....	2,778.83	121.83
11 68 13 00-0494 EA 1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B).....	2,855.55	121.83
11 68 13 00-0495 EA Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A).....	3,373.59	182.74
11 68 13 00-0496 EA The Pinnacle Natural Climber (Landscape Structures® 156065A).....	27,423.72	730.96
11 68 13 00-0497 EA The Pointe Natural Climber (Landscape Structures® 156067A).....	15,490.52	487.31
11 68 13 00-0498 EA Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A).....	15,490.52	487.31
11 68 13 00-0499 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A).....	2,112.05	121.83
11 68 13 00-0500 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B).....	2,265.50	121.83
11 68 13 00-0501 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C).....	2,349.53	121.83
11 68 13 00-0502 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D).....	2,502.98	121.83
11 68 13 00-0503 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A).....	1,215.87	60.91
11 68 13 00-0504 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B).....	1,369.32	60.91
11 68 13 00-0505 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C).....	1,298.07	60.91
11 68 13 00-0506 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D).....	1,451.53	60.91
11 68 13 00-0507 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A).....	2,203.39	121.83
11 68 13 00-0508 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B).....	2,437.22	121.83
11 68 13 00-0509 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C).....	2,440.87	121.83
11 68 13 00-0510 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D).....	2,674.70	121.83
11 68 13 00-0511 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A).....	1,288.94	60.91
11 68 13 00-0512 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B).....	1,624.29	121.83
11 68 13 00-0513 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C).....	1,371.15	60.91
11 68 13 00-0514 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D).....	1,706.50	121.83
11 68 13 00-0515 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A).....	2,294.73	121.83
11 68 13 00-0516 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B).....	2,448.18	121.83
11 68 13 00-0517 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C).....	2,532.21	121.83
11 68 13 00-0518 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D).....	2,685.66	121.83
11 68 13 00-0519 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A).....	1,389.41	60.91
11 68 13 00-0520 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B).....	1,644.39	121.83
11 68 13 00-0521 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C).....	1,471.62	60.91
11 68 13 00-0522 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D).....	1,726.59	121.83
11 68 13 00-0523 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A).....	2,386.07	121.83
11 68 13 00-0524 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B).....	2,619.90	121.83
11 68 13 00-0525 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C).....	2,623.55	121.83
11 68 13 00-0526 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D).....	2,857.38	121.83
11 68 13 00-0527 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A).....	1,471.62	60.91
11 68 13 00-0528 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B).....	1,806.97	121.83
11 68 13 00-0529 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C).....	1,655.35	121.83
11 68 13 00-0530 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D).....	1,889.18	121.83
11 68 13 00-0531 EA Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A).....	2,112.05	121.83
11 68 13 00-0532 EA Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B).....	2,349.53	121.83
11 68 13 00-0533 EA T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A).....	1,783.22	121.83
11 68 13 00-0534 EA T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B).....	2,029.84	121.83
11 68 13 00-0535 EA Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A).....	1,801.49	121.83
11 68 13 00-0536 EA Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B).....	2,048.11	121.83
11 68 13 00-0537 EA Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A).....	1,783.22	121.83
11 68 13 00-0538 EA Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B).....	2,029.84	121.83
11 68 13 00-0539 EA Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A).....	2,112.05	121.83
11 68 13 00-0540 EA Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B).....	2,349.53	121.83
11 68 13 00-0541 EA Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A).....	1,938.50	121.83
11 68 13 00-0542 EA Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B).....	2,157.72	121.83
11 68 13 00-0543 EA Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A).....	2,048.11	121.83

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0544	EA		Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B).....	2,285.59	121.83
11 68 13 00-0545	EA		Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A).....	1,965.90	121.83
11 68 13 00-0546	EA		Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B).....	2,194.25	121.83
11 68 13 00-0547	EA		Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A).....	2,038.97	121.83
11 68 13 00-0548	EA		Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A).....	2,824.50	121.83
11 68 13 00-0549	EA		8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A).....	1,389.41	60.91
11 68 13 00-0550	EA		16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B).....	1,398.55	60.91
11 68 13 00-0551	EA		24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C).....	1,407.68	60.91
11 68 13 00-0552	EA		Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A).....	2,532.21	121.83
11 68 13 00-0553	EA		Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B).....	4,360.07	182.74
11 68 13 00-0554	EA		Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C).....	6,589.81	243.66
11 68 13 00-0555	EA		Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D).....	8,216.71	304.57
11 68 13 00-0556	EA		10", Pod Climber, One Pod Only (Landscape Structures® 158997A).....	407.00	30.46
11 68 13 00-0557	EA		20", Pod Climber, One Pod Only (Landscape Structures® 158998A).....	425.26	30.46
11 68 13 00-0558	EA		CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A).....	14,394.44	487.31
11 68 13 00-0559	EA		CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A).....	7,612.82	243.66
11 68 13 00-0560	EA		CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B).....	7,851.35	304.57
11 68 13 00-0561	EA		CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C).....	7,979.22	304.57
11 68 13 00-0562	EA		CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A).....	9,714.68	304.57
11 68 13 00-0563	EA		CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B).....	9,842.56	304.57
11 68 13 00-0564	EA		CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C).....	9,988.70	304.57
11 68 13 00-0565	EA		CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A).....	12,346.33	365.48
11 68 13 00-0566	EA		CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B).....	12,492.47	365.48
11 68 13 00-0567	EA		CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C).....	12,629.48	365.48
11 68 13 00-0568	EA		Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A).....	2,312.99	121.83
11 68 13 00-0569	EA		Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B).....	1,993.30	121.83
11 68 13 00-0570	EA		Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C).....	2,888.44	121.83
11 68 13 00-0571	EA		Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D).....	1,993.30	121.83
11 68 13 00-0572	EA		Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E).....	2,258.19	121.83
11 68 13 00-0573	EA		Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F).....	1,938.50	121.83
11 68 13 00-0574	EA		Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G).....	2,833.63	121.83
11 68 13 00-0575	EA		Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H).....	1,938.50	121.83
11 68 13 00-0576	EA		Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A).....	3,382.73	182.74
11 68 13 00-0577	EA		Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B).....	3,327.92	182.74
11 68 13 00-0578	EA		Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A).....	5,813.42	243.66
11 68 13 00-0579	EA		Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B).....	5,758.61	243.66
11 68 13 00-0580	EA		The Peak Natural Climber (Landscape Structures® 160418A).....	8,417.65	304.57
11 68 13 00-0581	EA		The Stepper Natural Climbing Stone (Landscape Structures® 160419A).....	4,259.59	182.74
11 68 13 00-0582	EA		Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A).....	10,445.40	304.57
11 68 13 00-0583	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A).....	7,704.16	243.66
11 68 13 00-0584	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B).....	7,302.26	243.66
11 68 13 00-0585	EA		HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A).....	7,704.16	243.66
11 68 13 00-0586	EA		HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B).....	7,302.26	243.66
11 68 13 00-0587	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A).....	4,159.12	182.74
11 68 13 00-0588	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B).....	3,748.09	182.74
11 68 13 00-0589	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A).....	9,632.48	304.57
11 68 13 00-0590	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B).....	9,230.58	304.57
11 68 13 00-0591	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A).....	3,748.09	182.74
11 68 13 00-0592	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B).....	3,346.19	182.74
11 68 13 00-0593	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A).....	3,647.61	182.74
11 68 13 00-0594	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B).....	3,346.19	182.74
11 68 13 00-0595	EA		HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A).....	4,360.07	182.74
11 68 13 00-0596	EA		HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B).....	4,561.01	182.74
11 68 13 00-0597	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A).....	3,446.67	182.74
11 68 13 00-0598	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B).....	3,346.19	182.74
11 68 13 00-0599	EA		HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A).....	4,360.07	182.74
11 68 13 00-0600	EA		HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B).....	4,561.01	182.74
11 68 13 00-0601	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A).....	1,618.81	121.83
11 68 13 00-0602	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B).....	1,115.39	60.91
11 68 13 00-0603	EA		Global Release Sign With Frame (Landscape Structures® 162617A).....	996.65	60.91
11 68 13 00-0604	EA		Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A).....	1,288.94	60.91
11 68 13 00-0605	EA		Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B).....	1,637.08	121.83
11 68 13 00-0606	EA		Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A).....	2,486.54	121.83
11 68 13 00-0607	EA		Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B).....	2,669.22	121.83
11 68 13 00-0608	EA		16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A).....	1,901.96	121.83
11 68 13 00-0609	EA		24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B).....	1,920.23	121.83

11 68 13 00-0610 Playground Equipment (Landscape Structures® PlayBooster®) (11 68 13 00-0140)

11 68 13 00-0611	EA		116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A).....	1,774.09	121.83
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0612 EA Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A).....	1,901.96	121.83
11 68 13 00-0613 EA Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	759.17	60.91
11 68 13 00-0614 EA Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	722.63	60.91
11 68 13 00-0615 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	580.54	30.46
11 68 13 00-0616 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	571.41	30.46
11 68 13 00-0617 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	544.01	30.46
11 68 13 00-0618 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	534.87	30.46
11 68 13 00-0619 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	507.47	30.46
11 68 13 00-0620 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	498.34	30.46
11 68 13 00-0621 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	480.07	30.46
11 68 13 00-0622 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	470.93	30.46
11 68 13 00-0623 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	443.53	30.46
11 68 13 00-0624 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	434.40	30.46
11 68 13 00-0625 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	507.47	30.46
11 68 13 00-0626 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	489.20	30.46
11 68 13 00-0627 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	480.07	30.46
11 68 13 00-0628 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	470.93	30.46
11 68 13 00-0629 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	443.53	30.46
11 68 13 00-0630 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	434.40	30.46
11 68 13 00-0631 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	425.26	30.46
11 68 13 00-0632 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	407.00	30.46
11 68 13 00-0633 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	388.73	30.46
11 68 13 00-0634 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	361.33	30.46
11 68 13 00-0635 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	713.50	60.91
11 68 13 00-0636 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	686.10	60.91
11 68 13 00-0637 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	658.69	60.91
11 68 13 00-0638 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	589.68	30.46
11 68 13 00-0639 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	580.54	30.46
11 68 13 00-0640 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	562.27	30.46
11 68 13 00-0641 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	534.87	30.46
11 68 13 00-0642 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	525.74	30.46
11 68 13 00-0643 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	507.47	30.46
11 68 13 00-0644 EA ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	5,737.28	203.04
11 68 13 00-0645 EA TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	7,371.44	548.23
11 68 13 00-0646 EA Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	2,445.97	152.29
11 68 13 00-0647 EA Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,710.86	152.29
11 68 13 00-0648 EA Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	3,145.24	182.74
11 68 13 00-0649 EA 40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	3,841.44	172.59
11 68 13 00-0650 EA 48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	4,378.33	182.74
11 68 13 00-0651 EA 56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	4,634.09	182.74
11 68 13 00-0652 EA 64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	5,189.24	203.04
11 68 13 00-0653 EA 72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	5,435.86	203.04
11 68 13 00-0654 EA 96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	7,272.84	263.95
11 68 13 00-0655 EA Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A)	1,125.57	121.83
11 68 13 00-0656 EA Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B)	1,152.98	121.83
11 68 13 00-0657 EA Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A)	1,527.47	121.83
11 68 13 00-0658 EA Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B)	1,573.14	121.83
11 68 13 00-0659 EA 32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	5,788.12	365.48
11 68 13 00-0660 EA 40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	6,683.25	365.48
11 68 13 00-0661 EA 48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	7,203.89	365.48
11 68 13 00-0662 EA 56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	8,503.01	487.31
11 68 13 00-0663 EA 64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	8,713.09	487.31
11 68 13 00-0664 EA 72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	10,192.80	487.31
11 68 13 00-0665 EA 96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	12,012.56	609.14
11 68 13 00-0666 EA 40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	9,499.52	274.11
11 68 13 00-0667 EA 56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	11,948.48	335.03
11 68 13 00-0668 EA Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	2,084.64	121.83
11 68 13 00-0669 EA 32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,761.62	182.74
11 68 13 00-0670 EA 40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	3,081.31	182.74
11 68 13 00-0671 EA 48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	3,437.53	182.74
11 68 13 00-0672 EA 56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	3,895.28	243.66
11 68 13 00-0673 EA 64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	4,059.69	243.66
11 68 13 00-0674 EA 72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	4,644.27	243.66
11 68 13 00-0675 EA 96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	5,549.58	304.57
11 68 13 00-0676 EA 72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	8,260.43	456.86
11 68 13 00-0677 EA 72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	8,586.19	416.24
11 68 13 00-0678 EA 56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	7,493.18	456.86
11 68 13 00-0679 EA 56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	7,791.53	416.24
11 68 13 00-0680 EA 32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	2,966.61	152.29
11 68 13 00-0681 EA 48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	3,231.49	152.29
11 68 13 00-0682 EA 64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	3,998.75	152.29
11 68 13 00-0683 EA 32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	3,286.30	152.29
11 68 13 00-0684 EA 48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	3,551.18	152.29
11 68 13 00-0685 EA 64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	4,336.71	152.29
11 68 13 00-0686 EA 32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	3,350.24	152.29
11 68 13 00-0687 EA 40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	3,551.18	152.29
11 68 13 00-0688 EA 48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	4,088.06	172.59
11 68 13 00-0689 EA 56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	4,323.53	182.74
11 68 13 00-0690 EA 64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	4,835.03	182.74
11 68 13 00-0691 EA 72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	5,008.58	182.74
11 68 13 00-0692 EA 96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	6,608.08	243.66

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0693 EA Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	1,197.60	60.91
11 68 13 00-0694 EA Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	2,116.10	91.37
11 68 13 00-0695 EA Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	4,789.36	182.74
11 68 13 00-0696 EA 32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	3,075.24	233.50
11 68 13 00-0697 EA 40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	3,586.74	233.50
11 68 13 00-0698 EA 32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	3,486.27	233.50
11 68 13 00-0699 EA 40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	4,016.04	233.50
11 68 13 00-0700 EA Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	3,795.77	172.59
11 68 13 00-0701 EA Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	3,720.69	182.74
11 68 13 00-0702 EA Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	3,994.71	182.74
11 68 13 00-0703 EA Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	4,487.94	182.74
11 68 13 00-0704 EA Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	4,752.83	182.74
11 68 13 00-0705 EA Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,793.41	182.74
11 68 13 00-0706 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,893.89	182.74
11 68 13 00-0707 EA Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	2,021.76	182.74
11 68 13 00-0708 EA Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	2,451.06	182.74
11 68 13 00-0709 EA Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	2,551.53	182.74
11 68 13 00-0710 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,679.41	182.74
11 68 13 00-0711 EA Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,779.88	182.74
11 68 13 00-0712 EA Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	3,986.62	243.66
11 68 13 00-0713 EA Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	5,137.50	243.66
11 68 13 00-0714 EA Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	5,813.42	243.66
11 68 13 00-0715 EA Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	7,283.99	243.66
11 68 13 00-0716 EA Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,571.54	243.66
11 68 13 00-0717 EA Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	5,813.42	243.66
11 68 13 00-0718 EA Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	5,027.89	243.66
11 68 13 00-0719 EA Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	7,009.97	243.66
11 68 13 00-0720 EA Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,571.54	243.66
11 68 13 00-0721 EA Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	6,133.11	243.66
11 68 13 00-0722 EA 48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	3,081.31	182.74
11 68 13 00-0723 EA 64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	4,003.84	182.74
11 68 13 00-0724 EA 24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,400.30	152.29
11 68 13 00-0725 EA 48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	2,055.23	142.14
11 68 13 00-0726 EA 48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,767.68	142.14
11 68 13 00-0727 EA 48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,447.99	142.14
11 68 13 00-0728 EA 40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,171.95	152.29
11 68 13 00-0729 EA 48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,281.56	152.29
11 68 13 00-0730 EA 64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,372.90	152.29
11 68 13 00-0731 EA 40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,368.16	152.29
11 68 13 00-0732 EA 48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,441.23	152.29
11 68 13 00-0733 EA 64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,559.97	152.29
11 68 13 00-0734 EA 40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,760.92	152.29
11 68 13 00-0735 EA 48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,833.99	152.29
11 68 13 00-0736 EA 64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,934.47	152.29
11 68 13 00-0737 EA 48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,372.90	152.29
11 68 13 00-0738 EA 56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,391.17	152.29
11 68 13 00-0739 EA 64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,820.46	152.29
11 68 13 00-0740 EA 72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,838.73	152.29
11 68 13 00-0741 EA 48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,756.53	152.29
11 68 13 00-0742 EA 56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,802.20	152.29
11 68 13 00-0743 EA 64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,231.49	152.29
11 68 13 00-0744 EA 72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,258.90	152.29
11 68 13 00-0745 EA 72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,415.57	213.20
11 68 13 00-0746 EA 40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,429.09	213.20
11 68 13 00-0747 EA 32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,545.74	121.83
11 68 13 00-0748 EA 56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,746.69	121.83
11 68 13 00-0749 EA 32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,947.63	121.83
11 68 13 00-0750 EA 56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,203.39	121.83
11 68 13 00-0751 EA 64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,279.61	274.11
11 68 13 00-0752 EA SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,313.35	91.37
11 68 13 00-0753 EA Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,229.19	243.66
11 68 13 00-0754 EA Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,229.19	243.66
11 68 13 00-0755 EA Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,229.19	243.66
11 68 13 00-0756 EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,313.35	91.37
11 68 13 00-0757 EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,605.63	121.83
11 68 13 00-0758 EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,446.65	121.83
11 68 13 00-0759 EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,213.57	152.29



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0760 EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A).....	233.45	30.46
11 68 13 00-0761 EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A).....	269.99	30.46
11 68 13 00-0762 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A).....	1,028.11	30.46
11 68 13 00-0763 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A).....	361.33	30.46
11 68 13 00-0764 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A).....	3,227.45	182.74
11 68 13 00-0765 EA 48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B).....	3,464.93	182.74
11 68 13 00-0766 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A).....	3,629.35	182.74
11 68 13 00-0767 EA 48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B).....	3,967.30	182.74
11 68 13 00-0768 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A).....	3,629.35	182.74
11 68 13 00-0769 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B).....	3,894.23	182.74
11 68 13 00-0770 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A).....	1,814.68	91.37
11 68 13 00-0771 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B).....	2,581.93	91.37
11 68 13 00-0772 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C).....	3,358.32	91.37
11 68 13 00-0773 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D).....	4,125.58	91.37
11 68 13 00-0774 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A).....	1,750.74	91.37
11 68 13 00-0775 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B).....	2,006.49	91.37
11 68 13 00-0776 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C).....	2,271.38	91.37
11 68 13 00-0777 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D).....	2,380.99	91.37
11 68 13 00-0778 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	2,097.83	91.37
11 68 13 00-0779 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	2,371.85	91.37
11 68 13 00-0780 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	2,627.60	91.37
11 68 13 00-0781 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,883.36	91.37
11 68 13 00-0782 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A).....	4,968.00	213.20
11 68 13 00-0783 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B).....	5,095.88	213.20
11 68 13 00-0784 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C).....	5,022.80	213.20
11 68 13 00-0785 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	5,780.93	213.20
11 68 13 00-0786 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	5,908.80	213.20
11 68 13 00-0787 EA 48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	5,854.00	213.20
11 68 13 00-0788 EA 40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A).....	1,916.20	152.29
11 68 13 00-0789 EA 56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	2,108.01	152.29
11 68 13 00-0790 EA 64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	2,308.96	152.29
11 68 13 00-0791 EA 40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	2,478.46	182.74
11 68 13 00-0792 EA 56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	2,679.41	182.74
11 68 13 00-0793 EA 64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	2,871.22	182.74
11 68 13 00-0794 EA 40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	2,318.09	152.29
11 68 13 00-0795 EA 56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	2,500.77	152.29
11 68 13 00-0796 EA 64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	2,710.86	152.29
11 68 13 00-0797 EA 40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,326.52	121.83
11 68 13 00-0798 EA 40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A).....	1,728.42	121.83
11 68 13 00-0799 EA 32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,545.74	121.83
11 68 13 00-0800 EA 56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,673.61	121.83
11 68 13 00-0801 EA 32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A).....	1,947.63	121.83
11 68 13 00-0802 EA 56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	2,057.24	121.83
11 68 13 00-0803 EA 24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A).....	1,149.92	81.22
11 68 13 00-0804 EA 32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	1,268.66	81.22
11 68 13 00-0805 EA 40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,414.80	81.22
11 68 13 00-0806 EA 48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,695.94	91.37
11 68 13 00-0807 EA 56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,915.15	91.37
11 68 13 00-0808 EA 64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F).....	2,116.10	91.37
11 68 13 00-0809 EA 72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G).....	2,390.12	91.37
11 68 13 00-0810 EA 48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A).....	2,490.59	91.37
11 68 13 00-0811 EA 64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B).....	2,581.93	91.37
11 68 13 00-0812 EA 48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,892.49	91.37
11 68 13 00-0813 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	2,992.96	91.37
11 68 13 00-0814 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A).....	2,455.10	152.29
11 68 13 00-0815 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B).....	2,573.85	152.29
11 68 13 00-0816 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A).....	3,364.46	182.74
11 68 13 00-0817 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B).....	3,510.60	182.74
11 68 13 00-0818 EA 48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	2,857.00	152.29
11 68 13 00-0819 EA 64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	2,966.61	152.29
11 68 13 00-0820 EA 32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	1,299.12	121.83
11 68 13 00-0821 EA 40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B).....	1,746.69	121.83
11 68 13 00-0822 EA 56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	2,201.37	142.14
11 68 13 00-0823 EA 72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	2,658.07	142.14
11 68 13 00-0824 EA 32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A).....	2,121.18	121.83
11 68 13 00-0825 EA 40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B).....	2,258.19	121.83
11 68 13 00-0826 EA 48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C).....	2,577.88	121.83
11 68 13 00-0827 EA 64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D).....	2,897.57	121.83
11 68 13 00-0828 EA 32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A).....	2,532.21	121.83
11 68 13 00-0829 EA 40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B).....	2,660.09	121.83
11 68 13 00-0830 EA 48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	2,979.78	121.83
11 68 13 00-0831 EA 64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D).....	3,308.60	121.83
11 68 13 00-0832 EA Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A).....	1,566.89	182.74

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0833	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,856.29	121.83
11 68	13 00-0834	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,030.90	182.74
11 68	13 00-0835	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A).....	8,292.93	487.31
11 68	13 00-0836	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	8,292.93	487.31
11 68	13 00-0837	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,655.35	121.83
11 68	13 00-0838	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,655.35	121.83
11 68	13 00-0839	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,828.89	121.83
11 68	13 00-0840	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,828.89	121.83
11 68	13 00-0841	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	1,065.69	91.37
11 68	13 00-0842	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,147.90	91.37
11 68	13 00-0843	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,202.70	91.37
11 68	13 00-0844	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D).....	1,275.77	91.37
11 68	13 00-0845	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,677.67	91.37
11 68	13 00-0846	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,750.74	91.37
11 68	13 00-0847	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C).....	1,814.68	91.37
11 68	13 00-0848	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,896.88	91.37
11 68	13 00-0849	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,458.45	91.37
11 68	13 00-0850	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,513.26	91.37
11 68	13 00-0851	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,595.46	91.37
11 68	13 00-0852	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,677.67	91.37
11 68	13 00-0853	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,231.15	152.29
11 68	13 00-0854	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,276.82	152.29
11 68	13 00-0855	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,359.02	152.29
11 68	13 00-0856	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,724.38	152.29
11 68	13 00-0857	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,797.46	152.29
11 68	13 00-0858	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,852.26	152.29
11 68	13 00-0859	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,916.20	152.29
11 68	13 00-0860	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	1,980.14	152.29
11 68	13 00-0861	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,044.07	152.29
11 68	13 00-0862	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,441.23	152.29
11 68	13 00-0863	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,514.30	152.29
11 68	13 00-0864	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,559.97	152.29
11 68	13 00-0865	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,605.64	152.29
11 68	13 00-0866	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E).....	1,660.45	152.29
11 68	13 00-0867	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,742.65	152.29
11 68	13 00-0868	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,486.54	121.83
11 68	13 00-0869	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A).....	1,750.74	91.37
11 68	13 00-0870	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,510.60	182.74
11 68	13 00-0871	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	877.91	60.91
11 68	13 00-0872	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,486.54	121.83
11 68	13 00-0873	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A).....	4,478.81	182.74
11 68	13 00-0874	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,551.18	152.29
11 68	13 00-0875	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,364.46	182.74
11 68	13 00-0876	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A).....	3,770.40	152.29
11 68	13 00-0877	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A).....	2,427.70	152.29
11 68	13 00-0878	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A).....	1,544.69	60.91
11 68	13 00-0879	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,508.16	60.91
11 68	13 00-0880	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,590.36	60.91
11 68	13 00-0881	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,225.00	60.91
11 68	13 00-0882	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,699.97	60.91
11 68	13 00-0883	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,362.01	60.91
11 68	13 00-0884	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,736.51	60.91
11 68	13 00-0885	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,551.18	152.29
11 68	13 00-0886	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,508.16	60.91
11 68	13 00-0887	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A).....	2,617.42	30.46
11 68	13 00-0888	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A).....	2,234.84	91.37
11 68	13 00-0889	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,979.09	91.37
11 68	13 00-0890	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B).....	1,691.88	121.83
11 68	13 00-0891	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B).....	1,783.22	121.83
11 68	13 00-0892	EA	10" Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,345.14	121.83
11 68	13 00-0893	EA	18" Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,765.30	121.83
11 68	13 00-0894	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,768.11	274.11
11 68	13 00-0895	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A).....	6,070.22	304.57
11 68	13 00-0896	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A).....	13,154.31	609.14



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0897 EA 16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,203.89	365.48
11 68 13 00-0898 EA 42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A).....	2,869.12	60.91
11 68 13 00-0899 EA 42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,060.94	60.91
11 68 13 00-0900 EA 123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,578.93	152.29
11 68 13 00-0901 EA 123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,195.65	152.29
11 68 13 00-0902 EA 42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,919.89	91.37
11 68 13 00-0903 EA 84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A).....	4,397.65	243.66
11 68 13 00-0904 EA 123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A).....	5,091.83	243.66
11 68 13 00-0905 EA Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	434.40	30.46
11 68 13 00-0906 EA Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	645.53	91.37
11 68 13 00-0907 EA Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B).....	791.67	91.37
11 68 13 00-0908 EA Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A).....	627.26	91.37
11 68 13 00-0909 EA 84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A).....	4,761.96	182.74
11 68 13 00-0910 EA 123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A).....	6,036.68	213.20
11 68 13 00-0911 EA 84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A).....	6,853.65	182.74
11 68 13 00-0912 EA 123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A).....	8,388.16	182.74
11 68 13 00-0913 EA 84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A).....	4,108.51	426.40
11 68 13 00-0914 EA 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A).....	5,708.00	487.31
11 68 13 00-0915 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A).....	5,708.00	487.31
11 68 13 00-0916 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A).....	4,284.89	60.91
11 68 13 00-0917 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A).....	2,796.05	60.91
11 68 13 00-0918 EA Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,196.00	213.20
11 68 13 00-0919 EA 64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,555.22	121.83
11 68 13 00-0920 EA 90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,222.00	121.83
11 68 13 00-0921 EA 32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,714.89	121.83
11 68 13 00-0922 EA C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A).....	6,936.90	243.66
11 68 13 00-0923 EA S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B).....	6,936.90	243.66
11 68 13 00-0924 EA C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	6,936.90	243.66
11 68 13 00-0925 EA S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B).....	6,936.90	243.66
11 68 13 00-0926 EA 24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A).....	4,429.09	213.20
11 68 13 00-0927 EA 8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A).....	3,917.59	213.20
11 68 13 00-0928 EA 16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A).....	4,045.47	213.20
11 68 13 00-0929 EA Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A).....	2,172.93	81.22
11 68 13 00-0930 EA Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A).....	2,063.32	81.22
11 68 13 00-0931 EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,439.82	60.91
11 68 13 00-0932 EA Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,882.65	60.91
11 68 13 00-0933 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,807.57	81.22
11 68 13 00-0934 EA Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A).....	1,670.56	81.22
11 68 13 00-0935 EA Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,106.26	60.91
11 68 13 00-0936 EA Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A).....	813.97	60.91
11 68 13 00-0937 EA Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A).....	823.11	60.91
11 68 13 00-0938 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,590.36	60.91
11 68 13 00-0939 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,286.93	81.22
11 68 13 00-0940 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A).....	987.52	60.91
11 68 13 00-0941 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A).....	987.52	60.91
11 68 13 00-0942 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A).....	1,508.16	60.91
11 68 13 00-0943 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,444.22	60.91
11 68 13 00-0944 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,709.10	60.91
11 68 13 00-0945 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A).....	2,037.93	60.91
11 68 13 00-0946 EA Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,882.65	60.91
11 68 13 00-0947 EA Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A).....	1,005.79	60.91
11 68 13 00-0948 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,686.80	91.37
11 68 13 00-0949 EA Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B).....	1,942.55	91.37
11 68 13 00-0950 EA Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,225.00	60.91
11 68 13 00-0951 EA Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,416.82	60.91
11 68 13 00-0952 EA Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,133.66	60.91
11 68 13 00-0953 EA Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A).....	950.98	60.91
11 68 13 00-0954 EA Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A).....	905.31	60.91
11 68 13 00-0955 EA Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,556.89	111.68
11 68 13 00-0956 EA Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A).....	2,097.83	91.37
11 68 13 00-0957 EA Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A).....	1,423.94	81.22
11 68 13 00-0958 EA Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A).....	813.97	60.91
11 68 13 00-0959 EA Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A).....	841.37	60.91
11 68 13 00-0960 EA 2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A).....	407.00	30.46
11 68 13 00-0961 EA 1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B).....	204.41	20.31
11 68 13 00-0962 EA House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A).....	1,071.75	50.77
11 68 13 00-0963 EA House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B).....	1,279.81	60.91
11 68 13 00-0964 EA House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A).....	923.58	60.91
11 68 13 00-0965 EA Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A).....	2,339.35	60.91

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0966	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,037.93	60.91
11 68	13 00-0967	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,549.43	60.91
11 68	13 00-0968	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	841.37	60.91
11 68	13 00-0969	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	903.30	81.22
11 68	13 00-0970	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,078.86	60.91
11 68	13 00-0971	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,159.05	81.22
11 68	13 00-0972	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	896.18	60.91
11 68	13 00-0973	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,151.93	60.91
11 68	13 00-0974	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A).....	722.63	60.91
11 68	13 00-0975	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A).....	921.57	81.22
11 68	13 00-0976	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A).....	881.96	30.46
11 68	13 00-0977	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A).....	631.24	30.46
11 68	13 00-0978	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A).....	1,155.98	30.46
11 68	13 00-0979	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A).....	1,957.74	50.77
11 68	13 00-0980	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A).....	1,053.48	50.77
11 68	13 00-0981	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,610.65	50.77
11 68	13 00-0982	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A).....	1,206.73	60.91
11 68	13 00-0983	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B).....	1,471.62	60.91
11 68	13 00-0984	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,969.60	60.91
11 68	13 00-0985	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B).....	3,195.93	81.22
11 68	13 00-0986	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A).....	1,846.11	60.91
11 68	13 00-0987	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A).....	939.84	81.22
11 68	13 00-0988	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,140.78	81.22
11 68	13 00-0989	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,204.72	81.22
11 68	13 00-0990	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,405.67	81.22
11 68	13 00-0991	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C).....	1,005.79	60.91
11 68	13 00-0992	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	1,270.67	60.91
11 68	13 00-0993	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A).....	635.35	30.46
11 68	13 00-0994	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	244.60	20.31
11 68	13 00-0995	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	272.00	20.31
11 68	13 00-0996	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	350.16	50.77
11 68	13 00-0997	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	341.03	50.77
11 68	13 00-0998	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,830.91	111.68
11 68	13 00-0999	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	782.54	91.37
11 68	13 00-1000	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	727.73	91.37
11 68	13 00-1001	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	941.85	60.91
11 68	13 00-1002	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	2,527.13	91.37
11 68	13 00-1003	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	891.10	30.46
11 68	13 00-1004	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	945.90	30.46
11 68	13 00-1005	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	671.88	30.46
11 68	13 00-1006	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	681.02	30.46
11 68	13 00-1007	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	690.15	30.46
11 68	13 00-1008	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	699.28	30.46
11 68	13 00-1009	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	708.42	30.46
11 68	13 00-1010	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	726.69	30.46
11 68	13 00-1011	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	735.82	30.46
11 68	13 00-1012	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	754.09	30.46
11 68	13 00-1013	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	763.22	30.46
11 68	13 00-1014	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	1,055.51	30.46
11 68	13 00-1015	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	3,191.96	243.66
11 68	13 00-1016	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	4,498.12	243.66
11 68	13 00-1017	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	3,693.28	182.74
11 68	13 00-1018	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	3,939.90	182.74
11 68	13 00-1019	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	6,146.29	213.20
11 68	13 00-1020	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	381.61	20.31
11 68	13 00-1021	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	15,202.42	730.96
11 68	13 00-1022	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	4,979.38	609.14
11 68	13 00-1023	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	26,041.63	1,096.44
11 68	13 00-1024	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	20,314.62	1,096.44
11 68	13 00-1025	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	19,209.40	1,096.44
11 68	13 00-1026	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	26,196.91	1,096.44
11 68	13 00-1027	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	20,469.89	1,096.44
11 68	13 00-1028	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	19,373.81	1,096.44
11 68	13 00-1029	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,334.61	60.91
11 68	13 00-1030	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	1,279.81	60.91
11 68	13 00-1031	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	1,243.27	60.91



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1032 EA Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	1,009.84	30.46
11 68 13 00-1033 EA Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	3,770.40	152.29
11 68 13 00-1034 EA Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	998.67	50.77
11 68 13 00-1035 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	1,073.78	30.46
11 68 13 00-1036 EA Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	750.03	60.91
11 68 13 00-1037 EA 24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	605.91	50.77
11 68 13 00-1038 EA 32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	752.06	50.77
11 68 13 00-1039 EA To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	3,265.03	243.66
11 68 13 00-1040 EA To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	3,703.46	243.66
11 68 13 00-1041 EA To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,886.14	243.66
11 68 13 00-1042 EA To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	3,612.12	243.66
11 68 13 00-1043 EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	4,041.42	243.66
11 68 13 00-1044 EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	4,196.70	243.66
11 68 13 00-1045 EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,919.19	60.91
11 68 13 00-1046 EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,855.25	60.91
11 68 13 00-1047 EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,782.18	60.91
11 68 13 00-1048 EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,763.91	60.91
11 68 13 00-1049 EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,645.17	60.91
11 68 13 00-1050 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	633.31	50.77
11 68 13 00-1051 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	615.05	50.77
11 68 13 00-1052 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	605.91	50.77
11 68 13 00-1053 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	596.78	50.77
11 68 13 00-1054 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	587.64	50.77
11 68 13 00-1055 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	569.38	50.77
11 68 13 00-1056 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	560.24	50.77
11 68 13 00-1057 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	551.11	50.77
11 68 13 00-1058 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	532.84	50.77
11 68 13 00-1059 EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	596.78	50.77
11 68 13 00-1060 EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	587.64	50.77
11 68 13 00-1061 EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	569.38	50.77
11 68 13 00-1062 EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	560.24	50.77
11 68 13 00-1063 EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	551.11	50.77
11 68 13 00-1064 EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	532.84	50.77
11 68 13 00-1065 EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	523.71	50.77
11 68 13 00-1066 EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	514.57	50.77
11 68 13 00-1067 EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	505.44	50.77
11 68 13 00-1068 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	470.93	30.46
11 68 13 00-1069 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	783.32	30.46
11 68 13 00-1070 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	434.40	30.46
11 68 13 00-1071 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	425.26	30.46
11 68 13 00-1072 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	416.13	30.46
11 68 13 00-1073 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	407.00	30.46
11 68 13 00-1074 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	388.73	30.46
11 68 13 00-1075 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	361.33	30.46
11 68 13 00-1076 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	343.06	30.46
11 68 13 00-1077 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	333.92	30.46
11 68 13 00-1078 EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	534.87	30.46
11 68 13 00-1079 EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	617.08	30.46
11 68 13 00-1080 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	544.01	30.46
11 68 13 00-1081 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	534.87	30.46
11 68 13 00-1082 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	525.74	30.46
11 68 13 00-1083 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	507.47	30.46
11 68 13 00-1084 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	498.34	30.46
11 68 13 00-1085 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	489.20	30.46
11 68 13 00-1086 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	480.07	30.46
11 68 13 00-1087 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	470.93	30.46
11 68 13 00-1088 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	443.53	30.46
11 68 13 00-1089 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	434.40	30.46
11 68 13 00-1090 EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	2,357.17	1,096.44
11 68 13 00-1091 EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	2,366.31	1,096.44
11 68 13 00-1092 EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	2,384.57	1,096.44
11 68 13 00-1093 EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	2,202.64	609.14
11 68 13 00-1094 EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	2,147.84	609.14
11 68 13 00-1095 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	2,120.43	609.14
11 68 13 00-1096 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,965.16	609.14
11 68 13 00-1097 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,928.62	609.14
11 68 13 00-1098 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	718.98	60.91
11 68 13 00-1099 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,865.43	121.83
11 68 13 00-1100 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,609.68	121.83

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-1101	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	3,898.42	182.74
11 68	13 00-1102	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	4,076.91	182.74
11 68	13 00-1103	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	5,502.35	243.66
11 68	13 00-1104	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	5,137.50	243.66
11 68	13 00-1105	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	722.63	60.91
11 68	13 00-1106	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	695.23	60.91
11 68	13 00-1107	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	667.83	60.91
11 68	13 00-1108	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	658.69	60.91
11 68	13 00-1109	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	589.68	30.46
11 68	13 00-1110	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	571.41	30.46
11 68	13 00-1111	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	544.01	30.46
11 68	13 00-1112	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	534.87	30.46
11 68	13 00-1113	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	525.74	30.46
11 68	13 00-1114	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,792.36	121.83
11 68	13 00-1115	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	5,869.41	243.66
11 68	13 00-1116	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	5,502.35	243.66
11 68	13 00-1117	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	5,681.61	243.66
11 68	13 00-1118	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	5,877.36	243.66
11 68	13 00-1119	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	27,423.72	730.96
11 68	13 00-1120	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	15,490.52	487.31
11 68	13 00-1121	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	1,362.01	60.91
11 68	13 00-1122	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	4,853.30	182.74
11 68	13 00-1123	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	4,360.07	182.74
11 68	13 00-1124	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	5,667.27	243.66
11 68	13 00-1125	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	5,457.19	243.66
11 68	13 00-1126	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	4,871.57	182.74
11 68	13 00-1127	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	4,634.09	182.74
11 68	13 00-1128	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	4,140.85	182.74
11 68	13 00-1129	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	6,699.42	243.66
11 68	13 00-1130	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	722.63	60.91
11 68	13 00-1131	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	1,078.86	60.91
11 68	13 00-1132	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	1,197.60	60.91
11 68	13 00-1133	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,801.49	121.83
11 68	13 00-1134	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,929.37	121.83
11 68	13 00-1135	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	2,020.71	121.83
11 68	13 00-1136	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	2,121.18	121.83
11 68	13 00-1137	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	3,044.77	182.74
11 68	13 00-1138	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,929.37	121.83
11 68	13 00-1139	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,746.69	121.83
11 68	13 00-1140	EA	Stationary Cyclor, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,444.22	60.91
11 68	13 00-1141	EA	Stationary Cyclor, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	1,124.53	60.91
11 68	13 00-1142	EA	Stationary Cyclor, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	1,211.18	121.83
11 68	13 00-1143	EA	Stationary Cyclor, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	1,124.53	60.91
11 68	13 00-1144	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,906.70	121.83
11 68	13 00-1145	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,879.30	121.83
11 68	13 00-1146	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	8,883.49	304.57
11 68	13 00-1147	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	9,349.32	304.57
11 68	13 00-1148	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	4,725.43	182.74
11 68	13 00-1149	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	5,548.53	243.66
11 68	13 00-1150	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	823.11	60.91
11 68	13 00-1151	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	4,789.36	182.74
11 68	13 00-1152	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	9,468.06	304.57
11 68	13 00-1153	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	3,044.77	182.74
11 68	13 00-1154	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	1,298.07	60.91
11 68	13 00-1155	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	1,170.20	60.91
11 68	13 00-1156	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	1,179.33	60.91
11 68	13 00-1157	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	2,632.68	121.83
11 68	13 00-1158	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	2,093.78	121.83
11 68	13 00-1159	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	1,097.13	60.91



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment and Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1160 EA Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	1,279.81	60.91
11 68 13 00-1161 EA Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	1,197.60	60.91
11 68 13 00-1162 Playground Equipment (Landscape Structures® Evos™) <small>(11 68 13 00-0140)</small>		
11 68 13 00-1163 EA Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	996.65	60.91
11 68 13 00-1164 EA Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	1,170.20	60.91
11 68 13 00-1165 EA Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	4,478.81	182.74
11 68 13 00-1166 EA Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	3,446.67	182.74
11 68 13 00-1167 EA Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	8,143.55	172.59
11 68 13 00-1168 EA Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	6,279.25	243.66
11 68 13 00-1169 EA RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	4,199.70	152.29
11 68 13 00-1170 EA Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	8,689.58	182.74
11 68 13 00-1171 EA Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	2,038.97	121.83
11 68 13 00-1172 EA Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	2,664.14	91.37
11 68 13 00-1173 EA E-Pod Step (Landscape Structures® Evos™ 156454A).....	418.14	20.31
11 68 13 00-1174 EA Cyclor With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A).....	1,882.65	60.91
11 68 13 00-1175 EA 8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A).....	1,364.03	50.77
11 68 13 00-1176 EA 16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B).....	1,373.17	50.77
11 68 13 00-1177 EA 24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C).....	1,382.30	50.77
11 68 13 00-1178 EA Swiggle Six Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A).....	7,800.60	274.11
11 68 13 00-1179 EA PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A).....	8,059.34	182.74
11 68 13 00-1180 EA ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A).....	3,518.68	121.83
11 68 13 00-1181 EA Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A).....	3,791.66	60.91
11 68 13 00-1182 EA 2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A).....	33,086.80	730.96
11 68 13 00-1183 EA 3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A).....	37,258.19	1,096.44
11 68 13 00-1184 EA Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A).....	4,180.53	365.48
11 68 13 00-1185 EA 16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A).....	1,901.96	121.83
11 68 13 00-1186 EA 24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B).....	1,920.23	121.83
11 68 13 00-1187 EA Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A).....	1,279.81	60.91
11 68 13 00-1188 EA Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A).....	1,179.33	60.91
11 68 13 00-1189 EA Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A).....	1,005.79	60.91
11 68 13 00-1190 EA Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A).....	2,084.64	121.83
11 68 13 00-1191 EA Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A).....	1,078.86	60.91
11 68 13 00-1192 EA Chimes Reach Panel (Landscape Structures® Evos™ 161777A).....	1,737.55	121.83
11 68 13 00-1193 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A).....	676.96	60.91
11 68 13 00-1194 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A).....	932.71	60.91
11 68 13 00-1195 EA Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A).....	1,206.73	60.91
11 68 13 00-1196 EA Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A).....	2,824.50	121.83
11 68 13 00-1197 EA Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A).....	3,446.67	182.74
11 68 13 00-1198 EA BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A).....	6,123.97	243.66
11 68 13 00-1199 EA Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A).....	2,513.94	121.83
11 68 13 00-1200 EA Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A).....	2,742.29	121.83
11 68 13 00-1201 EA 3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A).....	37,787.96	1,096.44
11 68 13 00-1202 EA 4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A).....	41,350.22	1,096.44
11 68 13 00-1203 EA Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A).....	4,387.47	182.74
11 68 13 00-1204 EA Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A).....	8,161.90	304.57
11 68 13 00-1205 EA Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A).....	1,947.63	121.83
11 68 13 00-1206 EA Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A).....	2,450.00	121.83
11 68 13 00-1207 EA TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A).....	2,450.00	121.83
11 68 13 00-1208 Playground Equipment (Landscape Structures® Weevos™) <small>(11 68 13 00-0140)</small>		
11 68 13 00-1209 EA Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A).....	996.65	60.91
11 68 13 00-1210 EA ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A).....	2,559.61	121.83
11 68 13 00-1211 Playground Equipment (Landscape Structures® Parts) <small>(11 68 13 00-0140)</small>		
11 68 13 00-1212 EA 52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A).....	103.75	30.46
11 68 13 00-1213 EA 66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain For Molded Bucket Seat (8') (Landscape Structures® 160112A).....	109.23	30.46
11 68 13 00-1214 EA Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A).....	101.92	30.46
11 68 13 00-1215 EA Play It Safe Label, 2-5 Years (Landscape Structures® 156845A).....	11.98	6.09
11 68 13 00-1216 EA Play It Safe Label, 2-12 Years (Landscape Structures® 156846A).....	11.98	6.09
11 68 13 00-1217 EA Play It Safe Label, 5-12 Years (Landscape Structures® 156847A).....	11.98	6.09
11 68 13 00-1218 EA Play It Safe Label, 8-12 Years (Landscape Structures® 156848A).....	11.98	6.09
11 68 13 00-1219 EA D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A).....	162.20	30.46
11 68 13 00-1220 EA (2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A).....	84.25	12.18
11 68 13 00-1221 EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A).....	51.37	12.18
11 68 13 00-1222 EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A).....	53.19	12.18
11 68 13 00-1223 EA 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A).....	107.59	15.23
11 68 13 00-1224 EA 3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A).....	107.59	15.23
11 68 13 00-1225 EA TenderTuff Repair Kit (Landscape Structures® 138717A).....	11.87	

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-1226	EA	Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	142.30	15.23
11 68	13 00-1227	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	89.73	12.18
11 68	13 00-1228	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	107.40	30.46
11 68	13 00-1229	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	97.35	30.46
11 68	13 00-1230	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	132.98	30.46
11 68	13 00-1231	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	92.79	30.46
11 68	13 00-1232	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	101.92	30.46
11 68	13 00-1233	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	111.05	30.46
11 68	13 00-1234	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	120.19	30.46
11 68	13 00-1235	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	138.46	30.46
11 68	13 00-1236	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	95.53	30.46
11 68	13 00-1237	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	160.38	30.46
11 68	13 00-1238	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	804.84	60.91
11 68	13 00-1239	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	315.66	30.46
11 68	13 00-1240	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	306.52	30.46
11 68	13 00-1241	EA	Nylon Basketball Net (Landscape Structures® 100082A)	50.96	15.23
11 68	13 00-1242	EA	Chain Basketball Net (Landscape Structures® 100083A)	63.74	15.23
11 68	13 00-1243	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,444.22	60.91
11 68	13 00-1244	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,197.60	60.91
11 68	13 00-1245	EA	Warning Label (Landscape Structures® 115176A)	0.18	
11 68	13 00-1246	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	62.11	
11 68	13 00-1247	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	135.18	
11 68	13 00-1248	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	786.57	60.91
11 68	13 00-1249	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	162.20	30.46
11 68	13 00-1250	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	932.71	60.91

11 68 13 00-1251 Playground Equipment (Landscape Structures® Site Furniture) (11 68 13 00-0140)

11 68	13 00-1252	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,556.89	111.68
11 68	13 00-1253	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	800.80	91.37
11 68	13 00-1254	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,365.08	111.68
11 68	13 00-1255	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	782.54	91.37
11 68	13 00-1256	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,241.94	111.68
11 68	13 00-1257	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	1,047.42	91.37
11 68	13 00-1258	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,949.66	111.68
11 68	13 00-1259	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	1,020.02	91.37
11 68	13 00-1260	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	371.51	91.37
11 68	13 00-1261	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	221.71	91.37
11 68	13 00-1262	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	276.71	81.22
11 68	13 00-1263	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	974.35	91.37
11 68	13 00-1264	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	839.36	81.22
11 68	13 00-1265	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	839.36	81.22
11 68	13 00-1266	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	503.42	60.91
11 68	13 00-1267	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	750.03	60.91
11 68	13 00-1268	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,453.15	304.57
11 68	13 00-1269	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,361.81	304.57
11 68	13 00-1270	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,233.94	304.57
11 68	13 00-1271	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	3,065.13	304.57
11 68	13 00-1272	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	2,964.66	304.57
11 68	13 00-1273	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,827.65	304.57
11 68	13 00-1274	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,571.89	304.57
11 68	13 00-1275	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,453.15	304.57
11 68	13 00-1276	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,325.28	304.57
11 68	13 00-1277	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	3,183.87	304.57
11 68	13 00-1278	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	3,065.13	304.57
11 68	13 00-1279	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,918.99	304.57
11 68	13 00-1280	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	800.80	91.37
11 68	13 00-1281	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	883.01	91.37
11 68	13 00-1282	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	864.74	91.37
11 68	13 00-1283	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	946.95	91.37
11 68	13 00-1284	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,184.43	91.37
11 68	13 00-1285	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,102.23	91.37
11 68	13 00-1286	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,257.50	91.37
11 68	13 00-1287	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,175.30	91.37
11 68	13 00-1288	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	166.04	20.31
11 68	13 00-1289	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	823.11	60.91
11 68	13 00-1290	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	841.37	60.91



Equipment	11	
Entertainment and Recreation Equipment	11 60	↑
Play Field Equipment and Structures	11 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-1291	EA		72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	530.82	60.91
11 68 13 00-1292	EA		72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	558.22	60.91
11 68 13 00-1293	EA		92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	841.37	60.91
11 68 13 00-1294	EA		92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	877.91	60.91
11 68 13 00-1295	EA		92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	558.22	60.91
11 68 13 00-1296	EA		92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H).....	594.76	60.91
11 68 13 00-1297	EA		72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	1,913.20	243.66
11 68 13 00-1298	EA		72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B).....	2,004.54	243.66
11 68 13 00-1299	EA		92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C).....	2,013.67	243.66
11 68 13 00-1300	EA		92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D).....	2,150.68	243.66
11 68 13 00-1301	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E).....	1,968.00	243.66
11 68 13 00-1302	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F).....	2,077.61	243.66
11 68 13 00-1303	EA		Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A).....	1,857.27	50.77
11 68 13 00-1304	EA		Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B).....	1,683.72	50.77
11 68 13 00-1305	EA		Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C).....	1,537.58	50.77
11 68 13 00-1306	EA		Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A).....	813.97	60.91
11 68 13 00-1307	EA		Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C).....	695.23	60.91
11 68 13 00-1308	EA		Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D).....	941.85	60.91

11 68 13 00-1309 Playground Equipment (Little Tikes) (11 68 13)

11 68 13 00-1310	EA		Kid Builders Play Structure (Little Tikes 80).....	133,309.07	6,337.09
11 68 13 00-1311	EA		Kid Builders Ship (Little Tikes 81).....	69,408.00	3,292.52
11 68 13 00-1312	EA		Kid Builders Ship (Little Tikes 81, Version 2).....	72,382.80	3,434.37
11 68 13 00-1313	EA		Kid Builders Ship (Little Tikes 82).....	46,855.86	2,224.06
11 68 13 00-1314	EA		Kid Builders Play (Little Tikes 82, Version 2).....	47,571.72	2,257.17
11 68 13 00-1315	EA		Kid Builders Castle (Little Tikes 83).....	23,066.21	1,093.58
11 68 13 00-1316	EA		Kid Builders Castle (Little Tikes 84).....	169,875.47	8,056.27
11 68 13 00-1317	EA		Kid Builders Castle (Little Tikes 85).....	92,739.65	4,402.87
11 68 13 00-1318	EA		Kid Builders Frontier Village (Little Tikes 86, Phase 1).....	45,190.43	2,145.26
11 68 13 00-1319	EA		Kid Builders Frontier Village (Little Tikes 86, Phase 2).....	54,679.27	2,597.90
11 68 13 00-1320	EA		Kid Builders Frontier Village (Little Tikes 87).....	46,955.20	2,227.33
11 68 13 00-1321	EA		Kid Builders Play Structure (Little Tikes 88, Phase 1).....	87,060.17	4,138.15
11 68 13 00-1322	EA		Kid Builders Play Structure (Little Tikes 88, Phase 2).....	37,573.43	1,781.85
11 68 13 00-1323	EA		Kid Builders Play Structure (Little Tikes 89).....	100,036.83	4,747.88
11 68 13 00-1324	EA		Kid Builders Play Structure (Little Tikes 89, Version 2).....	86,552.09	4,104.50
11 68 13 00-1325	EA		Kid Builders Play Structure (Little Tikes 90).....	101,963.42	4,838.93
11 68 13 00-1326	EA		Kid Builders Play Structure (Little Tikes 91, Phase 1).....	50,749.84	2,407.90
11 68 13 00-1327	EA		Kid Builders Play Structure (Little Tikes 91, Phase 2).....	45,371.12	2,154.42
11 68 13 00-1328	EA		Kid Builders Play Structure (Little Tikes 92, Phase 1).....	34,450.68	1,635.65
11 68 13 00-1329	EA		Kid Builders Play Structure (Little Tikes 92, Phase 2).....	44,295.02	2,103.54
11 68 13 00-1330	EA		Kid Builders Play Structure (Little Tikes 93).....	40,657.32	1,931.85
11 68 13 00-1331	EA		Kid Builders Play Structure (Little Tikes 94).....	51,989.08	2,470.75
11 68 13 00-1332	EA		Kid Builders Play Structure (Little Tikes 95).....	45,312.49	2,148.34
11 68 13 00-1333	EA		Kid Builders Play Structure (Little Tikes 96).....	51,263.37	2,435.02
11 68 13 00-1334	EA		Kid Builders Play Structure (Little Tikes 97).....	102,536.03	4,870.04
11 68 13 00-1335	EA		Kid Builders Play Structure (Little Tikes 98).....	114,053.94	5,409.21
11 68 13 00-1336	EA		Kid Builders Play Structure (Little Tikes 99).....	90,637.20	4,302.75

11 68 23 Exterior Court Athletic Equipment (11 68)

11 68 23 13 Exterior Basketball Equipment (11 68 23)

11 68 23 13-0001 Basketball Systems (11 68 23 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.					
11 68 23 13-0002	EA		4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	2,427.18	262.63
11 68 23 13-0003	EA		5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230).....	4,338.73	288.90
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0004	EA		4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230).....	2,792.48	262.63
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0005	EA		5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230).....	4,338.73	288.90
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0006	EA		Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582).....	7,789.30	424.85
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	

11	11 Equipment
	11 60 Entertainment and Recreation Equipment
	11 68 Play Field Equipment and Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 23 13-0007	Basketball Components <small>(11 68 23 13)</small>		
	See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0008	EA Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	33.21	9.07
11 68 23 13-0009	EA Chain Basketball Net (Porter Athletic 00161-000)	59.76	9.07
11 68 23 13-0010	EA Heavy Duty Goal Ring (Porter Athletic 00235-000)	137.06	45.34
11 68 23 13-0011	EA Goal Ring For Steel Net (Porter Athletic 00251-H00)	250.23	20.40
11 68 23 13-0012	EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	1,455.81	38.55
	Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0013	EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	1,872.05	38.55
	Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014	EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	952.46	34.01
	Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015	EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	1,042.27	34.01
	Note: Includes perimeter and target markings. Excludes pole and goal.		

11 68 23 33 Tennis Equipment (11 68 23)

11 68 23 33-0001	Tennis Court Net Posts <small>(11 68 23 33)</small>		
11 68 23 33-0002	PR Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,134.16	154.18
11 68 23 33-0003	PR Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,444.07	154.18
11 68 23 33-0004	PR Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,495.72	154.18
11 68 23 33-0005	PR Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,585.04	154.18
11 68 23 33-0006	PR Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,903.07	154.18
11 68 23 33-0007	PR Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	282.11	
11 68 23 33-0008	PR Galvanized Steel Ground Sleeves For Tennis Court Net Posts	320.72	

11 68 23 33-0009 Tennis Court Nets (11 68 23 33)

11 68 23 33-0010	EA 42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	616.08	152.37
11 68 23 33-0011	EA 42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	677.71	152.37
11 68 23 33-0012	EA 42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,472.91	234.45
11 68 23 33-0013	EA Galvanized Steel Anchor For Tennis Court Net Center Strap	79.42	

11 68 33 Athletic Field Equipment (11 68)

11 68 33 13 Football Field Equipment (11 68 33)

11 68 33 13-0001	Football Goal Posts <small>(11 68 33 13)</small>		
	Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR Double Steel Football Goal Posts, "H Shape"	5,691.51	408.12
11 68 33 13-0003	PR Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	8,267.62	629.87
11 68 33 13-0004	PR Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	9,871.73	755.85

11 68 33 23 Soccer and Field Hockey Equipment (11 68 33)

11 68 33 23-0001	Soccer Goal Posts <small>(11 68 33 23)</small>		
	Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR Regulation Soccer Goal Posts	4,880.05	272.08
11 68 33 23-0003	PR Combination Football/Soccer Goal Post	5,862.98	408.12

11 68 33 33 Baseball Field Equipment (11 68 33)

11 68 33 33-0001	Bases <small>(11 68 33 33)</small>		
11 68 33 33-0002	SET Bases For Baseball Or Softball	594.61	

11 70 Healthcare Equipment (11)

11 73 Patient Care Equipment (11 70)

11 73 23 Patient Lift (11 73)

11 73 23 00-0001	Ceiling Patient Lift <small>(11 73 23)</small>		
11 73 23 00-0002	EA Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift	13,841.93	
	Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.		

11 80 Facility Maintenance and Operation Equipment (11)

11 81 Maintenance Equipment (11 80)

11 81 29 Facility Fall Protection (11 81)

11 81 29 00-0001	Safety And Tie-Back Anchors <small>(11 81 29)</small>		
	Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0051 for engineering testing and inspection.		



Equipment	11	
Facility Maintenance and Operation Equipment	11 80	11
Maintenance Equipment	11 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors <small>(11 81 29 00-0001)</small>		
Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003 EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	811.61	95.70
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004 EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	698.39	95.70
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005 EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	491.54	81.20
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor <small>(11 81 29 00-0001)</small>		
Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007 EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	573.22	95.70
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008 EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	518.53	95.70
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009 EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	430.59	81.20
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0010 Safety And Tie-Back Anchor Accessories <small>(11 81 29 00-0001)</small>		
11 81 29 00-0011 EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	443.30	
Note: One cut sheet required per order.		
11 81 29 00-0012 Ladder Safety And Fall Protection <small>(11 81 29)</small>		
11 81 29 00-0013 EA Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280).....	282.65	17.94
11 81 29 00-0014 EA Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024).....	42.62	2.61
11 81 29 00-0015 EA Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030).....	53.29	6.52
11 81 29 00-0016 EA Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040).....	71.04	4.35
11 81 29 00-0017 EA Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050).....	88.80	5.44
11 81 29 00-0018 EA Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400).....	58.24	4.08
11 81 29 00-0019 EA Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054).....	544.18	10.87
11 81 29 00-0020 EA Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090).....	129.98	10.77
11 81 29 00-0021 Fall-Arrest Systems <small>(11 81 29)</small>		
11 81 29 00-0022 Horizontal <small>(11 81 29 00-0021)</small>		
11 81 29 00-0023 LF Trolley Rail Fall Arrest System.....	775.34	51.37
Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.		
11 81 29 00-0024 Anchor Points <small>(11 81 29 00-0021)</small>		
11 81 29 00-0025 EA Roof Anchor, 16" x 16" Base With 12" High Post.....	659.94	
Note: Guardian CD-12 series		
11 81 29 00-0026 EA Roof Anchor, 12" x 12" Base With 18" High Post.....	770.38	
Note: Guardian CD-18 series		
11 81 29 00-0027 EA Bolt On Roof Anchor.....	295.19	
Note: Guardian CD-1-B series		
11 81 29 00-0028 EA Fall Arrest Anchor Attachment To 2" x 8" Stud.....	141.74	
Note: Super Anchor ARS 2x8		
11 81 29 00-0029 EA Fall Arrest Anchor Attachment To 2" x 12" Stud.....	164.89	
Note: Super Anchor ARS 2x12		
11 82 Facility Solid Waste Handling Equipment <small>(11 80)</small>		
11 82 19 Packaged Incinerators <small>(11 82)</small>		
11 82 19 00-0001 Electric Incinerator <small>(11 82 19)</small>		
11 82 19 00-0002 EA Electric Package Incinerator, 100 LB/Hour.....	46,918.76	1,093.04
11 82 19 00-0003 EA Electric Package Incinerator, 400 LB/Hour.....	96,019.35	2,186.08
11 82 19 00-0004 EA Electric Package Incinerator, 1,000 LB/Hour.....	326,042.39	3,279.12

11	11 Equipment
	11 80 Facility Maintenance and Operation Equipment
	11 82 Facility Solid Waste Handling Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 82 26 Facility Waste Compactors ^(11 82)

11 82 26 00-0001	Waste Compactors ^(11 82 26)		
11 82 26 00-0002	110 Volt Compactors ^(11 82 26 00-0001)		
11 82 26 00-0003	EA Waste Compactor, 110 Volt At 75 LB/Hour.....	25,550.34	577.13
11 82 26 00-0004	EA Waste Compactor, 110 Volt At 250 LB/Hour.....	31,861.98	1,385.12
11 82 26 00-0005	230 Volt Compactors ^(11 82 26 00-0001)		
11 82 26 00-0006	EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	31,578.63	1,846.82
11 82 26 00-0007	EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	35,441.98	2,423.95

11 90 Other Equipment ⁽¹¹⁾

11 97 Security Equipment ^(11 90)

11 97 26 Detention Gun Lockers ^(11 97)

11 97 26 00-0001	Hinged Door Gun Lock ^(11 97 26)		
Note: Two keys per locker with one master.			
11 97 26 00-0002	EA 8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door.....	3,317.13	66.10

11 97 26 00-0003 Hinged-Door Gun Locker ^(11 97 26)

Note: Includes master key for each set of 4 compartments, two keys per compartment.			
11 97 26 00-0004	EA 4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish.....	1,299.64	46.27
11 97 26 00-0005	EA 8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish.....	2,949.72	66.10
11 97 26 00-0006	EA 16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish.....	5,391.18	79.32
11 97 26 00-0007	EA 24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish.....	7,806.21	79.32

11 98 Detention Equipment ^(11 90)

11 98 12 Detention Doors and Frames ^(11 98)

11 98 12 00-0001	Metal Frames ^(11 98 12)		
Note: Combination buck, jamb, and trim, fully seam welded.			
11 98 12 00-0002	Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" ^(11 98 12 00-0001)		
11 98 12 00-0003	EA 2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	830.90	199.32
11 98 12 00-0004	EA 2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	830.90	199.32
11 98 12 00-0005	EA 2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	830.90	199.32
11 98 12 00-0006	EA 2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	830.90	199.32
11 98 12 00-0007	EA 3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	839.38	199.32
11 98 12 00-0008	EA 3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	839.38	199.32
11 98 12 00-0009	EA 6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,163.39	319.02
11 98 12 00-0010	EA 2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.32	199.32
11 98 12 00-0011	EA 2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.32	199.32
11 98 12 00-0012	EA 2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.32	199.32
11 98 12 00-0013	EA 2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	881.74	199.32
11 98 12 00-0014	EA 3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,014.68	265.81
11 98 12 00-0015	EA 3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,014.68	265.81
11 98 12 00-0016	EA 6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,214.23	319.02
11 98 12 00-0017	EA 2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.32	199.32
11 98 12 00-0018	EA 2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.32	199.32
11 98 12 00-0019	EA 2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.32	199.32
11 98 12 00-0020	EA 2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.32	199.32
11 98 12 00-0021	EA 3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	864.80	199.32
11 98 12 00-0022	EA 3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	864.80	199.32
11 98 12 00-0023	EA 6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,188.81	319.02
11 98 12 00-0024	Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" ^(11 98 12 00-0001)		
11 98 12 00-0025	EA 2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.31	199.32
11 98 12 00-0026	EA 2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.31	199.32
11 98 12 00-0027	EA 2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.31	199.32
11 98 12 00-0028	EA 2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.31	199.32
11 98 12 00-0029	EA 3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	873.25	199.32
11 98 12 00-0030	EA 3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	873.25	199.32
11 98 12 00-0031	EA 6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,188.79	319.02
11 98 12 00-0032	EA 2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.31	199.32
11 98 12 00-0033	EA 2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	856.31	199.32
11 98 12 00-0034	EA 2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	881.72	199.32



Equipment	11	11
Other Equipment	11 90	
Detention Equipment	11 98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	881.72	199.32
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,014.66	265.81
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,014.66	265.81
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,467.05	354.24
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	881.72	199.32
11 98 12 00-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	881.72	199.32
11 98 12 00-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	881.72	199.32
11 98 12 00-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	881.72	199.32
11 98 12 00-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	890.20	199.32
11 98 12 00-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	890.20	199.32
11 98 12 00-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door.....	1,214.21	319.02

11 98 12 00-0046 Metal Detention Doors (11 98 12)

Note: Flush type reinforced with stiffeners.

11 98 12 00-0047 10 Gauge 1-3/4" Metal Detention Door (11 98 12 00-0046)

11 98 12 00-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	652.57	70.82
11 98 12 00-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	659.87	70.82
11 98 12 00-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	667.17	70.82
11 98 12 00-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	674.46	70.82
11 98 12 00-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	681.76	70.82
11 98 12 00-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door.....	718.25	70.82
11 98 12 00-0054	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	697.96	70.82
11 98 12 00-0055	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	705.54	70.82
11 98 12 00-0056	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	710.32	70.82
11 98 12 00-0057	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	776.76	70.82
11 98 12 00-0058	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	937.15	70.82
11 98 12 00-0059	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door.....	1,019.65	70.82
11 98 12 00-0060	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	678.11	70.82
11 98 12 00-0061	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	685.40	70.82
11 98 12 00-0062	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	692.71	70.82
11 98 12 00-0063	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	700.00	70.82
11 98 12 00-0064	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	707.30	70.82
11 98 12 00-0065	EA	3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door.....	743.78	70.82

11 98 12 00-0066 Pneumatic Door Operators (11 98 12)

11 98 12 00-0067	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set.....	4,824.26	
11 98 12 00-0068	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set.....	5,332.76	
11 98 12 00-0069	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set.....	6,870.76	
11 98 12 00-0070	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set.....	8,051.19	
11 98 12 00-0071	EA	Pneumatic Corridor Detention Door Operator With Hardware Set.....	10,121.02	
11 98 12 00-0072	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves.....	4,970.78	

11 98 12 00-0073 Security Doors And Frame Assembly (11 98 12)

11 98 12 00-0074	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames.....	10,249.23	448.91
			Note: Complete, with hardware, single plate.	
			<i>For 5" x 15-1/2" Opening Food Pass Assembly, Add</i>	105.00
11 98 12 00-0075	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames.....	12,443.79	446.01
			Note: Complete, with hardware, double plate.	
			<i>For 5" x 15-1/2" Opening Food Pass Assembly, Add</i>	105.00

END OF SECTION 11

11	11	Equipment
	11 90	Other Equipment
	11 98	Detention Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Furnishings	12
Operation and Maintenance of Furnishings	12 01
Operation and Maintenance of Multiple Seating	12 01 60

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation and Maintenance of Furnishings ⁽¹²⁾

12 01 60 Operation and Maintenance of Multiple Seating ^(12 01)

12 01 60 00-0001	Repair Fixed Auditorium Seating ^(12 01 60)		
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	198.89	
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part.....	92.64	
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part.....	128.99	
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part.....	148.24	
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part.....	241.20	
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part	196.42	
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part	73.82	
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part	78.10	
12 01 60 00-0010	EA Secure Seat To Floor.....	74.06	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	82.80	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add	26.12	
	For Expansion Anchor Mounting With Anchor Caps, Add	30.09	
	For Epoxy Anchor Mounting With Anchor Caps, Add	37.75	
12 01 60 00-0012	EA Reupholster Auditorium Seat And Back.....	227.37	
	Note: Includes removal of existing upholstery.		

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)
 Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001	Aluminum Horizontal Louver Blinds ^(12 21 13 13)		
12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	12.13	1.05
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.95	1.05
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	10.79	1.05
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	12.46	1.05

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001	Vinyl Horizontal Louver Blinds ^(12 21 13 33)		
12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	10.29	1.05
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	11.88	1.05

12 21 16 Vertical Louver Blinds ^(12 21)
 Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001	Aluminum Vertical Louver Blinds ^(12 21 16 13)		
12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	14.27	2.21

12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001	Vinyl Vertical Louver Blinds ^(12 21 16 33)		
12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	9.33	2.21
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	12.92	2.21

12 22 Curtains and Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

12 22 13 00-0001 Lined Draperies ^(12 22 13)
 Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002	Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)		
12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies	456.24	15.95
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	475.31	15.95
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	506.31	15.95
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	518.23	15.95
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	546.84	15.95
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	584.98	15.95
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	608.82	15.95
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	642.19	15.95

12 Furnishings
12 20 Window Treatments
 12 22 Curtains and Drapes



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0011 EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	694.64	15.95
12 22 13 00-0012 >48" To 72" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0013 EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	663.21	21.70
12 22 13 00-0014 EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	706.12	21.70
12 22 13 00-0015 EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	739.49	21.70
12 22 13 00-0016 EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	768.10	21.70
12 22 13 00-0017 EA >81" To 90" Long, >48" To 72" Wide Lined Draperies.....	834.85	21.70
12 22 13 00-0018 EA >90" To 99" Long, >48" To 72" Wide Lined Draperies.....	868.23	21.70
12 22 13 00-0019 EA >99" To 108" Long, >48" To 72" Wide Lined Draperies.....	896.84	21.70
12 22 13 00-0020 EA >108" To 120" Long, >48" To 72" Wide Lined Draperies.....	958.82	21.70
12 22 13 00-0021 EA >120" To 130" Long, >48" To 72" Wide Lined Draperies.....	1,025.57	21.70
12 22 13 00-0022 >72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023 EA Up To 39" Long, >72" To 96" Wide Lined Draperies.....	879.73	27.44
12 22 13 00-0024 EA >39" To 63" Long, >72" To 96" Wide Lined Draperies.....	941.71	27.44
12 22 13 00-0025 EA >63" To 72" Long, >72" To 96" Wide Lined Draperies.....	970.32	27.44
12 22 13 00-0026 EA >72" To 81" Long, >72" To 96" Wide Lined Draperies.....	1,037.07	27.44
12 22 13 00-0027 EA >81" To 90" Long, >72" To 96" Wide Lined Draperies.....	1,099.05	27.44
12 22 13 00-0028 EA >90" To 99" Long, >72" To 96" Wide Lined Draperies.....	1,161.03	27.44
12 22 13 00-0029 EA >99" To 108" Long, >72" To 96" Wide Lined Draperies.....	1,194.41	27.44
12 22 13 00-0030 EA >108" To 120" Long, >72" To 96" Wide Lined Draperies.....	1,261.16	27.44
12 22 13 00-0031 EA >120" To 130" Long, >72" To 96" Wide Lined Draperies.....	1,351.75	27.44
12 22 13 00-0032 >96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033 EA Up To 39" Long, >96" To 120" Wide Lined Draperies.....	1,110.53	33.18
12 22 13 00-0034 EA >39" To 63" Long, >96" To 120" Wide Lined Draperies.....	1,172.51	33.18
12 22 13 00-0035 EA >63" To 72" Long, >96" To 120" Wide Lined Draperies.....	1,205.89	33.18
12 22 13 00-0036 EA >72" To 81" Long, >96" To 120" Wide Lined Draperies.....	1,301.25	33.18
12 22 13 00-0037 EA >81" To 90" Long, >96" To 120" Wide Lined Draperies.....	1,363.23	33.18
12 22 13 00-0038 EA >90" To 99" Long, >96" To 120" Wide Lined Draperies.....	1,429.98	33.18
12 22 13 00-0039 EA >99" To 108" Long, >96" To 120" Wide Lined Draperies.....	1,501.61	33.18
12 22 13 00-0040 EA >108" To 120" Long, >96" To 120" Wide Lined Draperies.....	1,592.09	33.18
12 22 13 00-0041 EA >120" To 130" Long, >96" To 120" Wide Lined Draperies.....	1,639.77	33.18
12 22 13 00-0042 >120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043 EA Up To 39" Long, >120" To 144" Wide Lined Draperies.....	1,312.73	38.92
12 22 13 00-0044 EA >39" To 63" Long, >120" To 144" Wide Lined Draperies.....	1,403.32	38.92
12 22 13 00-0045 EA >63" To 72" Long, >120" To 144" Wide Lined Draperies.....	1,436.69	38.92
12 22 13 00-0046 EA >72" To 81" Long, >120" To 144" Wide Lined Draperies.....	1,532.05	38.92
12 22 13 00-0047 EA >81" To 90" Long, >120" To 144" Wide Lined Draperies.....	1,627.41	38.92
12 22 13 00-0048 EA >90" To 99" Long, >120" To 144" Wide Lined Draperies.....	1,722.77	38.92
12 22 13 00-0049 EA >99" To 108" Long, >120" To 144" Wide Lined Draperies.....	1,818.12	38.92
12 22 13 00-0050 EA >108" To 120" Long, >120" To 144" Wide Lined Draperies.....	1,913.48	38.92
12 22 13 00-0051 EA >120" To 130" Long, >120" To 144" Wide Lined Draperies.....	2,032.68	38.92
12 22 13 00-0052 >144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053 EA Up To 39" Long, >144" To 168" Wide Lined Draperies.....	1,543.54	44.66
12 22 13 00-0054 EA >39" To 63" Long, >144" To 168" Wide Lined Draperies.....	1,638.90	44.66
12 22 13 00-0055 EA >63" To 72" Long, >144" To 168" Wide Lined Draperies.....	1,710.42	44.66
12 22 13 00-0056 EA >72" To 81" Long, >144" To 168" Wide Lined Draperies.....	1,805.77	44.66
12 22 13 00-0057 EA >81" To 90" Long, >144" To 168" Wide Lined Draperies.....	1,901.14	44.66
12 22 13 00-0058 EA >90" To 99" Long, >144" To 168" Wide Lined Draperies.....	2,020.33	44.66
12 22 13 00-0059 EA >99" To 108" Long, >144" To 168" Wide Lined Draperies.....	2,115.69	44.66
12 22 13 00-0060 EA >108" To 120" Long, >144" To 168" Wide Lined Draperies.....	2,211.05	44.66
12 22 13 00-0061 EA >120" To 130" Long, >144" To 168" Wide Lined Draperies.....	2,377.92	44.66
12 22 13 00-0062 >168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063 EA Up To 39" Long, >168" To 192" Wide Lined Draperies.....	1,745.74	50.41
12 22 13 00-0064 EA >39" To 63" Long, >168" To 192" Wide Lined Draperies.....	1,864.94	50.41
12 22 13 00-0065 EA >63" To 72" Long, >168" To 192" Wide Lined Draperies.....	1,936.45	50.41
12 22 13 00-0066 EA >72" To 81" Long, >168" To 192" Wide Lined Draperies.....	2,055.65	50.41
12 22 13 00-0067 EA >81" To 90" Long, >168" To 192" Wide Lined Draperies.....	2,151.01	50.41
12 22 13 00-0068 EA >90" To 99" Long, >168" To 192" Wide Lined Draperies.....	2,270.21	50.41
12 22 13 00-0069 EA >99" To 108" Long, >168" To 192" Wide Lined Draperies.....	2,460.93	50.41
12 22 13 00-0070 EA >108" To 120" Long, >168" To 192" Wide Lined Draperies.....	2,532.44	50.41
12 22 13 00-0071 EA >120" To 130" Long, >168" To 192" Wide Lined Draperies.....	2,699.32	50.41
12 22 13 00-0072 >192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073 EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	1,971.77	56.15
12 22 13 00-0074 EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	2,067.13	56.15
12 22 13 00-0075 EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	2,162.49	56.15
12 22 13 00-0076 EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	2,305.52	56.15



Furnishings	12
Window Treatments	12 20
Curtains and Drapes	12 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077 EA >81" To 90" Long, >192" To 216" Wide Lined Draperies	2,448.56	56.15
12 22 13 00-0078 EA >90" To 99" Long, >192" To 216" Wide Lined Draperies	2,591.60	56.15
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies	2,710.80	56.15
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies	2,830.00	56.15
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies	3,044.55	56.15
12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies	2,173.98	61.89
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies	2,340.86	61.89
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies	2,412.37	61.89
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies	2,555.41	61.89
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies	2,722.29	61.89
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies	2,865.33	61.89
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies	3,008.36	61.89
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies	3,151.40	61.89
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies	3,389.79	61.89
12 22 16 Drapery Track and Accessories (12 22)		
12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	153.60	49.73
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	182.16	49.73
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	217.60	55.26
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	306.79	55.26
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	317.10	60.78
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	180.97	49.73
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	199.41	49.73
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	261.04	55.26
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	299.85	60.78
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	227.97	49.73
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	283.90	49.73
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	358.91	55.26
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	387.31	60.78
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White	13.15	2.30
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod	33.15	
Note: Includes storage and cleaning.		
12 23 Interior Shutters (12 20)		
12 23 13 Wood Interior Shutters (12 23)		
12 23 13 00-0001 Interior Plantation Shutters (12 23 13)		
Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002 12" Wide (12 23 13 00-0001)		
12 23 13 00-0003 PR 12" x 36" Plantation Shutter	304.31	38.53
12 23 13 00-0004 PR 12" x 40" Plantation Shutter	338.49	40.45
12 23 13 00-0005 PR 12" x 44" Plantation Shutter	369.52	42.39
12 23 13 00-0006 PR 12" x 48" Plantation Shutter	400.54	44.31
12 23 13 00-0007 PR 12" x 52" Plantation Shutter	431.57	46.23
12 23 13 00-0008 PR 12" x 56" Plantation Shutter	462.60	48.16
12 23 13 00-0009 PR 12" x 60" Plantation Shutter	465.16	50.09
12 23 13 00-0010 PR 12" x 64" Plantation Shutter	524.65	52.01
12 23 13 00-0011 PR 12" x 68" Plantation Shutter	555.66	53.94
12 23 13 00-0012 PR 12" x 72" Plantation Shutter	586.70	55.87
12 23 13 00-0013 PR 12" x 76" Plantation Shutter	617.71	57.79
12 23 13 00-0014 PR 12" x 80" Plantation Shutter	648.73	59.72
12 23 13 00-0015 14" Wide (12 23 13 00-0001)		
12 23 13 00-0016 PR 14" x 36" Plantation Shutter	316.95	38.53
12 23 13 00-0017 PR 14" x 40" Plantation Shutter	351.14	40.45
12 23 13 00-0018 PR 14" x 44" Plantation Shutter	382.17	42.39

12 Furnishings
12 20 Window Treatments
 12 23 Interior Shutters



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0019	PR		14" x 48" Plantation Shutter	413.19	44.31
12 23 13 00-0020	PR		14" x 52" Plantation Shutter	447.38	46.23
12 23 13 00-0021	PR		14" x 56" Plantation Shutter	478.40	48.16
12 23 13 00-0022	PR		14" x 60" Plantation Shutter	509.42	50.09
12 23 13 00-0023	PR		14" x 64" Plantation Shutter	543.61	52.01
12 23 13 00-0024	PR		14" x 68" Plantation Shutter	574.63	53.94
12 23 13 00-0025	PR		14" x 72" Plantation Shutter	605.67	55.87
12 23 13 00-0026	PR		14" x 76" Plantation Shutter	639.84	57.79
12 23 13 00-0027	PR		14" x 80" Plantation Shutter	670.86	59.72
12 23 13 00-0028 15" Wide (12 23 13 00-0001)					
12 23 13 00-0029	PR		15" x 36" Plantation Shutter	329.60	38.53
12 23 13 00-0030	PR		15" x 40" Plantation Shutter	363.79	40.45
12 23 13 00-0031	PR		15" x 44" Plantation Shutter	394.81	42.39
12 23 13 00-0032	PR		15" x 48" Plantation Shutter	425.84	44.31
12 23 13 00-0033	PR		15" x 52" Plantation Shutter	460.03	46.23
12 23 13 00-0034	PR		15" x 56" Plantation Shutter	494.21	48.16
12 23 13 00-0035	PR		15" x 60" Plantation Shutter	528.39	50.09
12 23 13 00-0036	PR		15" x 64" Plantation Shutter	562.58	52.01
12 23 13 00-0037	PR		15" x 68" Plantation Shutter	596.76	53.94
12 23 13 00-0038	PR		15" x 72" Plantation Shutter	627.80	55.87
12 23 13 00-0039	PR		15" x 76" Plantation Shutter	661.98	57.79
12 23 13 00-0040	PR		15" x 80" Plantation Shutter	696.15	59.72
12 23 13 00-0041 16" Wide (12 23 13 00-0001)					
12 23 13 00-0042	PR		16" x 36" Plantation Shutter	348.57	38.53
12 23 13 00-0043	PR		16" x 40" Plantation Shutter	385.92	40.45
12 23 13 00-0044	PR		16" x 44" Plantation Shutter	420.11	42.39
12 23 13 00-0045	PR		16" x 48" Plantation Shutter	457.46	44.31
12 23 13 00-0046	PR		16" x 52" Plantation Shutter	491.64	46.23
12 23 13 00-0047	PR		16" x 56" Plantation Shutter	525.83	48.16
12 23 13 00-0048	PR		16" x 60" Plantation Shutter	560.01	50.09
12 23 13 00-0049	PR		16" x 64" Plantation Shutter	600.52	52.01
12 23 13 00-0050	PR		16" x 68" Plantation Shutter	634.70	53.94
12 23 13 00-0051	PR		16" x 72" Plantation Shutter	668.90	55.87
12 23 13 00-0052	PR		16" x 76" Plantation Shutter	706.24	57.79
12 23 13 00-0053	PR		16" x 80" Plantation Shutter	740.42	59.72
12 23 13 00-0054 18" Wide (12 23 13 00-0001)					
12 23 13 00-0055	PR		18" x 36" Plantation Shutter	377.03	38.53
12 23 13 00-0056	PR		18" x 40" Plantation Shutter	414.38	40.45
12 23 13 00-0057	PR		18" x 44" Plantation Shutter	451.72	42.39
12 23 13 00-0058	PR		18" x 48" Plantation Shutter	492.23	44.31
12 23 13 00-0059	PR		18" x 52" Plantation Shutter	529.58	46.23
12 23 13 00-0060	PR		18" x 56" Plantation Shutter	570.09	48.16
12 23 13 00-0061	PR		18" x 60" Plantation Shutter	607.43	50.09
12 23 13 00-0062	PR		18" x 64" Plantation Shutter	644.78	52.01
12 23 13 00-0063	PR		18" x 68" Plantation Shutter	682.13	53.94
12 23 13 00-0064	PR		18" x 72" Plantation Shutter	722.65	55.87
12 23 13 00-0065	PR		18" x 76" Plantation Shutter	759.99	57.79
12 23 13 00-0066	PR		18" x 80" Plantation Shutter	800.49	59.72
12 23 13 00-0067 20" Wide (12 23 13 00-0001)					
12 23 13 00-0068	PR		20" x 36" Plantation Shutter	408.64	38.53
12 23 13 00-0069	PR		20" x 40" Plantation Shutter	452.32	40.45
12 23 13 00-0070	PR		20" x 44" Plantation Shutter	492.83	42.39
12 23 13 00-0071	PR		20" x 48" Plantation Shutter	533.34	44.31
12 23 13 00-0072	PR		20" x 52" Plantation Shutter	577.01	46.23
12 23 13 00-0073	PR		20" x 56" Plantation Shutter	617.52	48.16
12 23 13 00-0074	PR		20" x 60" Plantation Shutter	661.18	50.09
12 23 13 00-0075	PR		20" x 64" Plantation Shutter	701.69	52.01
12 23 13 00-0076	PR		20" x 68" Plantation Shutter	745.36	53.94
12 23 13 00-0077	PR		20" x 72" Plantation Shutter	785.89	55.87
12 23 13 00-0078	PR		20" x 76" Plantation Shutter	829.55	57.79
12 23 13 00-0079	PR		20" x 80" Plantation Shutter	870.05	59.72
12 23 13 00-0080 22" Wide (12 23 13 00-0001)					
12 23 13 00-0081	PR		22" x 36" Plantation Shutter	433.94	38.53
12 23 13 00-0082	PR		22" x 40" Plantation Shutter	480.77	40.45
12 23 13 00-0083	PR		22" x 44" Plantation Shutter	524.44	42.39
12 23 13 00-0084	PR		22" x 48" Plantation Shutter	5,310.68	44.31
12 23 13 00-0085	PR		22" x 52" Plantation Shutter	614.95	46.23
12 23 13 00-0086	PR		22" x 56" Plantation Shutter	658.62	48.16
12 23 13 00-0087	PR		22" x 60" Plantation Shutter	702.28	50.09
12 23 13 00-0088	PR		22" x 64" Plantation Shutter	749.12	52.01



Furnishings	12	12
Window Treatments	12 20	
Interior Shutters	12 23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23	13 00-0089	PR	22" x 68" Plantation Shutter.....	792.79	53.94
12 23	13 00-0090	PR	22" x 72" Plantation Shutter.....	839.63	55.87
12 23	13 00-0091	PR	22" x 76" Plantation Shutter.....	883.30	57.79
12 23	13 00-0092	PR	22" x 80" Plantation Shutter.....	930.12	59.72
12 23	13 00-0093		24" Wide <small>(12 23 13 00-0001)</small>		
12 23	13 00-0094	PR	24" x 36" Plantation Shutter.....	459.23	38.53
12 23	13 00-0095	PR	24" x 40" Plantation Shutter.....	509.23	40.45
12 23	13 00-0096	PR	24" x 44" Plantation Shutter.....	556.06	42.39
12 23	13 00-0097	PR	24" x 48" Plantation Shutter.....	606.06	44.31
12 23	13 00-0098	PR	24" x 52" Plantation Shutter.....	652.89	46.23
12 23	13 00-0099	PR	24" x 56" Plantation Shutter.....	699.72	48.16
12 23	13 00-0100	PR	24" x 60" Plantation Shutter.....	746.55	50.09
12 23	13 00-0101	PR	24" x 64" Plantation Shutter.....	796.54	52.01
12 23	13 00-0102	PR	24" x 68" Plantation Shutter.....	843.38	53.94
12 23	13 00-0103	PR	24" x 72" Plantation Shutter.....	893.38	55.87
12 23	13 00-0104	PR	24" x 76" Plantation Shutter.....	940.21	57.79
12 23	13 00-0105	PR	24" x 80" Plantation Shutter.....	990.19	59.72

12 24 Window Shades (12 20)

12 24 13 Roller Window Shades (12 24)

12 24	13 00-0001		Roller Window Shades <small>(12 24 13)</small>		
12 24	13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades <small>(12 24 13 00-0001)</small>		
			Note: Includes roller, brackets, and stainless steel chain operator.		
12 24	13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	15.40	0.77
12 24	13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	15.40	0.77

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001)

12 24	13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	19.66	0.77
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12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001)

12 24	13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	15.40	0.77
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12 25 Window Treatment Operating Hardware (12 20)

12 25 09 Window Treatment Control System (12 25)

12 25	09 00-0001		Motorized Lightproof Shades <small>(12 25 09)</small>		
12 25	09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width.....	40.71	2.77

12 25 13 Motorized Drapery Rods (12 25)

12 25	13 00-0001		Motorized Drapery Track <small>(12 25 13)</small>		
12 25	13 00-0002	EA	>2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,357.71	128.43
12 25	13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,418.24	141.28
12 25	13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,478.78	154.12
12 25	13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,539.31	166.96
12 25	13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,599.84	179.81
12 25	13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,660.38	192.65
12 25	13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,720.90	205.49
12 25	13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,781.44	218.34
12 25	13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,841.98	231.18
12 25	13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,902.50	244.02
12 25	13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,963.04	256.87
12 25	13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,023.58	269.71
12 25	13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,084.10	282.55
12 25	13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,144.64	295.40
12 25	13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,205.18	308.24
12 25	13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,265.70	321.08
12 25	13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,326.24	333.93
12 25	13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,386.78	346.77
12 25	13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,447.31	359.61
12 25	13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,507.84	372.46
12 25	13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,568.38	385.30

12 30 Casework (12)

12	Furnishings
12 30	Casework
12 31	Manufactured Metal Casework



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 31 Manufactured Metal Casework (12 30)

12 31 16 Manufactured Metal Sandwich Panel Casework (12 31)

12 31 16 00-0001	34-1/2" High x 24" Deep, Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002	18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0003	18" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,119.93	286.45
	For 16 Gauge Stainless Steel, Add	332.57	
	For >5 To 9, Deduct	-81.21	
	For >9, Deduct	-162.42	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers	3,433.79	286.45
	For 16 Gauge Stainless Steel, Add	615.05	
	For >5 To 9, Deduct	-150.19	
	For >9, Deduct	-300.38	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers	3,185.88	286.45
	For 16 Gauge Stainless Steel, Add	561.75	
	For >5 To 9, Deduct	-137.17	
	For >9, Deduct	-274.35	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers	2,937.96	286.45
	For 16 Gauge Stainless Steel, Add	508.45	
	For >5 To 9, Deduct	-124.16	
	For >9, Deduct	-248.31	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers	2,853.83	286.45
	For 16 Gauge Stainless Steel, Add	490.36	
	For >5 To 9, Deduct	-119.74	
	For >9, Deduct	-239.48	
12 31 16 00-0009	24" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks	3,058.45	309.59
	For 16 Gauge Stainless Steel, Add	524.35	
	For >5 To 9, Deduct	-128.04	
	For >9, Deduct	-256.08	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks	2,755.94	309.59
	For 16 Gauge Stainless Steel, Add	459.31	
	For >5 To 9, Deduct	-112.16	
	For >9, Deduct	-224.31	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,822.17	309.59
	For 16 Gauge Stainless Steel, Add	473.55	
	For >5 To 9, Deduct	-115.63	
	For >9, Deduct	-231.27	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,130.05	309.59
	For 16 Gauge Stainless Steel, Add	539.74	
	For >5 To 9, Deduct	-131.80	
	For >9, Deduct	-263.59	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,063.54	309.59
	For 16 Gauge Stainless Steel, Add	740.44	
	For >5 To 9, Deduct	-180.81	
	For >9, Deduct	-361.61	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,463.60	309.59
	For 16 Gauge Stainless Steel, Add	826.45	
	For >5 To 9, Deduct	-201.81	
	For >9, Deduct	-403.62	
12 31 16 00-0016	30" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,694.86	326.24
	For 16 Gauge Stainless Steel, Add	439.16	
	For >5 To 9, Deduct	-107.24	
	For >9, Deduct	-214.47	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,908.48	326.24
	For 16 Gauge Stainless Steel, Add	700.09	
	For >5 To 9, Deduct	-170.95	
	For >9, Deduct	-341.90	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	5,024.55	326.24
	For 16 Gauge Stainless Steel, Add	940.04	
	For >5 To 9, Deduct	-229.55	
	For >9, Deduct	-459.09	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,624.48	326.24
	For 16 Gauge Stainless Steel, Add	854.03	
	For >5 To 9, Deduct	-208.54	
	For >9, Deduct	-417.08	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,376.57	326.24
	For 16 Gauge Stainless Steel, Add	800.73	
	For >5 To 9, Deduct	-195.53	
	For >9, Deduct	-391.05	
12 31 16 00-0022	EA 30" Stainless Steel Base Cabinet, With Doors, No Locks	3,370.59	326.24
	For 16 Gauge Stainless Steel, Add	584.44	
	For >5 To 9, Deduct	-142.71	
	For >9, Deduct	-285.43	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks	3,340.16	326.24
			<i>For 16 Gauge Stainless Steel, Add</i>	577.90	
			<i>For >5 To 9, Deduct</i>	-141.12	
			<i>For >9, Deduct</i>	-282.23	
12 31 16 00-0024			36" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,975.94	339.19
			<i>For 16 Gauge Stainless Steel, Add</i>	493.83	
			<i>For >5 To 9, Deduct</i>	-120.59	
			<i>For >9, Deduct</i>	-241.17	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks	3,622.13	339.19
			<i>For 16 Gauge Stainless Steel, Add</i>	632.76	
			<i>For >5 To 9, Deduct</i>	-154.51	
			<i>For >9, Deduct</i>	-309.02	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock	3,384.06	339.19
			<i>For 16 Gauge Stainless Steel, Add</i>	581.58	
			<i>For >5 To 9, Deduct</i>	-142.01	
			<i>For >9, Deduct</i>	-284.03	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,302.94	339.19
			<i>For 16 Gauge Stainless Steel, Add</i>	994.14	
			<i>For >5 To 9, Deduct</i>	-242.75	
			<i>For >9, Deduct</i>	-485.51	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,903.77	339.19
			<i>For 16 Gauge Stainless Steel, Add</i>	908.31	
			<i>For >5 To 9, Deduct</i>	-221.80	
			<i>For >9, Deduct</i>	-443.60	
12 31 16 00-0030			42" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,124.26	360.47
			<i>For 16 Gauge Stainless Steel, Add</i>	516.69	
			<i>For >5 To 9, Deduct</i>	-126.17	
			<i>For >9, Deduct</i>	-252.34	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,593.56	360.47
			<i>For 16 Gauge Stainless Steel, Add</i>	1,047.59	
			<i>For >5 To 9, Deduct</i>	-255.81	
			<i>For >9, Deduct</i>	-511.62	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,193.50	360.47
			<i>For 16 Gauge Stainless Steel, Add</i>	961.58	
			<i>For >5 To 9, Deduct</i>	-234.80	
			<i>For >9, Deduct</i>	-469.61	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,779.11	360.47
			<i>For 16 Gauge Stainless Steel, Add</i>	872.49	
			<i>For >5 To 9, Deduct</i>	-213.05	
			<i>For >9, Deduct</i>	-426.10	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock	3,675.58	360.47
			<i>For 16 Gauge Stainless Steel, Add</i>	635.23	
			<i>For >5 To 9, Deduct</i>	-155.11	
			<i>For >9, Deduct</i>	-310.23	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock	3,910.07	360.47
			<i>For 16 Gauge Stainless Steel, Add</i>	685.64	
			<i>For >5 To 9, Deduct</i>	-167.42	
			<i>For >9, Deduct</i>	-334.85	
12 31 16 00-0037			48" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,865.84	368.81
			<i>For 16 Gauge Stainless Steel, Add</i>	1,102.68	
			<i>For >5 To 9, Deduct</i>	-269.26	
			<i>For >9, Deduct</i>	-538.52	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,466.67	368.81
			<i>For 16 Gauge Stainless Steel, Add</i>	1,016.86	
			<i>For >5 To 9, Deduct</i>	-248.30	
			<i>For >9, Deduct</i>	-496.60	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,396.54	368.81
			<i>For 16 Gauge Stainless Steel, Add</i>	571.78	
			<i>For >5 To 9, Deduct</i>	-139.62	
			<i>For >9, Deduct</i>	-279.24	
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,052.29	368.81
			<i>For 16 Gauge Stainless Steel, Add</i>	927.76	
			<i>For >5 To 9, Deduct</i>	-226.55	
			<i>For >9, Deduct</i>	-453.09	
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock	4,185.03	368.81
			<i>For 16 Gauge Stainless Steel, Add</i>	741.30	
			<i>For >5 To 9, Deduct</i>	-181.02	
			<i>For >9, Deduct</i>	-362.03	
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks	4,120.59	368.81
			<i>For 16 Gauge Stainless Steel, Add</i>	727.45	
			<i>For >5 To 9, Deduct</i>	-177.63	
			<i>For >9, Deduct</i>	-355.27	
12 31 16 00-0044			60" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		

12 Furnishings
12 30 Casework
12 31 Manufactured Metal Casework



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	4,077.97 713.43 -174.21 -348.42	380.04
12 31 16 00-0046			18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,635.87 304.81 -74.43 -148.86	109.05
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,629.99 300.71 -73.43 -146.86	115.67
12 31 16 00-0050			18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,715.11 318.30 -77.72 -155.45	117.25
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,617.55 297.32 -72.60 -145.20	117.25
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,896.84 352.95 -86.19 -172.37	127.56
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,836.88 340.06 -83.04 -166.08	127.56
12 31 16 00-0055			24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0056	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,425.86 250.76 -61.23 -122.46	129.81
12 31 16 00-0057	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,936.01 360.44 -88.02 -176.03	129.81
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,839.35 339.66 -82.94 -165.88	129.81
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,822.61 339.68 -82.95 -165.89	121.22
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,719.68 317.55 -77.54 -155.08	121.22
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,202.09 421.27 -102.87 -205.74	121.22
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,306.19 228.65 -55.83 -111.67	121.22
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,229.92 214.69 -52.42 -104.85	115.67
12 31 16 00-0064			30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,510.89 480.55 -117.34 -234.69	137.88
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,276.40 430.14 -105.03 -210.07	137.88



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,530.86	137.88
			<i>For 16 Gauge Stainless Steel, Add</i>	269.84	
			<i>For >5 To 9, Deduct</i>	-65.89	
			<i>For >9, Deduct</i>	-131.78	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,388.36	126.90
			<i>For 16 Gauge Stainless Steel, Add</i>	458.91	
			<i>For >5 To 9, Deduct</i>	-112.06	
			<i>For >9, Deduct</i>	-224.12	
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock.....	2,153.87	126.90
			<i>For 16 Gauge Stainless Steel, Add</i>	408.50	
			<i>For >5 To 9, Deduct</i>	-99.75	
			<i>For >9, Deduct</i>	-199.50	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,408.33	126.90
			<i>For 16 Gauge Stainless Steel, Add</i>	248.20	
			<i>For >5 To 9, Deduct</i>	-60.61	
			<i>For >9, Deduct</i>	-121.22	
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,331.64	120.95
			<i>For 16 Gauge Stainless Steel, Add</i>	234.31	
			<i>For >5 To 9, Deduct</i>	-57.22	
			<i>For >9, Deduct</i>	-114.43	
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,611.15	141.84
			<i>For 16 Gauge Stainless Steel, Add</i>	500.41	
			<i>For >5 To 9, Deduct</i>	-122.19	
			<i>For >9, Deduct</i>	-244.39	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,371.29	141.84
			<i>For 16 Gauge Stainless Steel, Add</i>	448.84	
			<i>For >5 To 9, Deduct</i>	-109.60	
			<i>For >9, Deduct</i>	-219.20	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,631.13	141.84
			<i>For 16 Gauge Stainless Steel, Add</i>	289.71	
			<i>For >5 To 9, Deduct</i>	-70.74	
			<i>For >9, Deduct</i>	-141.48	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,487.33	129.81
			<i>For 16 Gauge Stainless Steel, Add</i>	478.98	
			<i>For >5 To 9, Deduct</i>	-116.96	
			<i>For >9, Deduct</i>	-233.92	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,253.73	129.81
			<i>For 16 Gauge Stainless Steel, Add</i>	428.75	
			<i>For >5 To 9, Deduct</i>	-104.70	
			<i>For >9, Deduct</i>	-209.39	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,507.30	129.81
			<i>For 16 Gauge Stainless Steel, Add</i>	268.27	
			<i>For >5 To 9, Deduct</i>	-65.51	
			<i>For >9, Deduct</i>	-131.02	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,432.27	123.60
			<i>For 16 Gauge Stainless Steel, Add</i>	254.78	
			<i>For >5 To 9, Deduct</i>	-62.21	
			<i>For >9, Deduct</i>	-124.43	
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,736.84	178.46
			<i>For 16 Gauge Stainless Steel, Add</i>	511.75	
			<i>For >5 To 9, Deduct</i>	-124.96	
			<i>For >9, Deduct</i>	-249.92	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,741.58	168.41
			<i>For 16 Gauge Stainless Steel, Add</i>	517.06	
			<i>For >5 To 9, Deduct</i>	-126.26	
			<i>For >9, Deduct</i>	-252.52	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,503.51	168.41
			<i>For 16 Gauge Stainless Steel, Add</i>	465.87	
			<i>For >5 To 9, Deduct</i>	-113.76	
			<i>For >9, Deduct</i>	-227.52	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,759.76	168.41
			<i>For 16 Gauge Stainless Steel, Add</i>	305.97	
			<i>For >5 To 9, Deduct</i>	-74.71	
			<i>For >9, Deduct</i>	-149.43	
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,584.74	141.44
			<i>For 16 Gauge Stainless Steel, Add</i>	494.91	
			<i>For >5 To 9, Deduct</i>	-120.85	
			<i>For >9, Deduct</i>	-241.70	
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	2,348.46	141.44
			<i>For 16 Gauge Stainless Steel, Add</i>	444.11	
			<i>For >5 To 9, Deduct</i>	-108.44	
			<i>For >9, Deduct</i>	-216.89	
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,604.71	141.44
			<i>For 16 Gauge Stainless Steel, Add</i>	284.20	
			<i>For >5 To 9, Deduct</i>	-69.40	
			<i>For >9, Deduct</i>	-138.80	
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		

12 Furnishings
12 30 Casework
 12 31 Manufactured Metal Casework



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,408.89 439.69 -107.37 -214.73	178.46
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,839.87 536.56 -131.02 -262.04	172.11
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,605.38 486.15 -118.71 -237.42	172.11
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,859.84 325.85 -79.57 -159.14	172.11
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,682.14 515.23 -125.81 -251.63	142.77
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,448.54 465.01 -113.55 -227.10	142.77
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,702.11 304.53 -74.36 -148.72	142.77
12 31 16 00-0096			Accessories <small>(12 31 16 00-0001)</small>		
12 31 16 00-0097			Stainless Steel Countertops <small>(12 31 16 00-0096)</small> Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash <i>For 14 Gauge Stainless Steel, Add</i>	101.85 19.30	7.27
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash <i>For 14 Gauge Stainless Steel, Add</i>	93.68 17.49	7.27
12 31 16 00-0100	EA		Cutout For Sink And/or Faucet In Stainless Steel Countertop	191.30	
12 31 16 00-0101			Stainless Steel Wall Panels <small>(12 31 16 00-0096)</small>		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel <i>For 18 Gauge Stainless Steel, Add</i> <i>For 16 Gauge Stainless Steel, Add</i>	41.80 5.47 10.54	10.84
12 31 16 00-0103			Pedestal Legs <small>(12 31 16 00-0096)</small>		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg	356.46	16.52
12 31 16 00-0105			Stainless Steel Slanted Cabinet Top Enclosure <small>(12 31 16 00-0096)</small>		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	391.62	31.90
12 35			Specialty Casework <small>(12 30)</small>		
12 35 59			Display Casework <small>(12 35)</small> See CSI section 10 12 00 00-0000 for display cases.		
12 35 70			Healthcare Casework <small>(12 35)</small>		
12 35 70 13			Hospital Casework <small>(12 35 70)</small>		
12 35 70 13-0001			Modular Casework <small>(12 35 70 13)</small> Note: Midmark.		
12 35 70 13-0002	EA		36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	926.47	92.21
12 35 70 13-0003	EA		36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,149.22	115.28
12 35 70 13-0004	EA		36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,610.29	92.21
12 35 70 13-0005	EA		36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,849.45	115.28
12 35 70 13-0006	EA		36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,048.19	92.21
12 35 70 13-0007	EA		36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,409.07	115.28
12 35 70 13-0008	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,052.29	92.21
12 35 70 13-0009	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,132.98	92.21
12 35 70 13-0010	EA		36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,202.73	92.21
12 35 70 13-0011	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,503.43	115.28
12 35 70 13-0012	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,526.68	115.28
12 35 70 13-0013	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,411.98	92.21
12 35 70 13-0014	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,640.20	115.28
12 35 70 13-0015	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,690.80	115.28
12 35 70 13-0016	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,235.56	92.21
12 35 70 13-0017	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,271.12	92.21
12 35 70 13-0018	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,362.75	92.21



		Furnishings	12
		Casework	12 30
		Specialty Casework	12 35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70	13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624).....	2,270.68	115.28
12 35 70	13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624).....	2,399.24	115.28
12 35 70	13-0021	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624).....	1,593.88	92.21
12 35 70	13-0022	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624).....	1,688.25	92.21
12 35 70	13-0023	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624).....	1,850.99	92.21
12 35 70	13-0024	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424).....	3,241.69	276.65
12 35 70	13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424).....	2,977.74	276.65
12 35 70	13-0026	EA	Desk Filler Panel (Midmark MC-SDA003-060501).....	121.52	23.05
12 35 70	13-0027	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014).....	674.82	92.21
12 35 70	13-0028	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014).....	662.52	92.21
12 35 70	13-0029	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014).....	706.28	92.21
12 35 70	13-0030	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014).....	765.09	92.21
12 35 70	13-0031	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014).....	832.10	92.21
12 35 70	13-0032	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014).....	952.28	115.28
12 35 70	13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014).....	1,032.97	115.28
12 35 70	13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014).....	1,268.20	115.28
12 35 70	13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014).....	1,410.44	115.28
12 35 70	13-0036	LF	19" Self Edge Laminate Countertop With Backsplash.....	176.41	19.13
12 35 70	13-0037	LF	25" Self Edge Laminate Countertop With Backsplash.....	344.63	25.51
12 35 70	13-0038	SF	Melamine Wall Cabinet Inner Soffit.....	42.29	15.95

Note: Includes blocking

12 36 Countertops (12 30)

12 36 23 Plastic Countertops (12 36)

12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)

12 36 23 13-0001 Plastic Laminate Countertops (12 36 23 13)

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23	13-0002	SF	Plastic Laminate Countertop Without Backsplash.....	18.96	12.76
12 36 23	13-0003	SF	Plastic Laminate Countertop With 4" Backsplash.....	25.53	12.76
12 36 23	13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops.....	31.12	3.82
12 36 23	13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop.....	106.28	

12 36 61 Simulated Stone Countertops (12 36)

12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001 Solid Surface Countertops (12 36 61 16)

12 36 61 16-0002 Solid Surface Countertops (12 36 61 16-0001)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61	16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash.....	50.13	8.50
				Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.	
				For Up To 50, Add	16.46
				For >50 To 100, Add	9.46
12 36 61	16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	79.31	12.76
				Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	
				For Up To 50, Add	25.59
				For >50 To 100, Add	15.14
				For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	250.50
				For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	316.74
				For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	231.23
				For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	220.39
				For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	316.74
				For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	316.74
				For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	316.74
				For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	316.74
				For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	285.42
				Note: Single or double bowl.	
				For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	496.18
				Note: Single or double bowl.	
				For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	664.78
				Note: Single or double bowl.	
				For >3 SF Integral Single Basin Kitchen Sink, Add	720.18
				Note: Single or double bowl.	
				For >3 SF Integral Double Basin Kitchen Sink, Add	720.18

12 Furnishings

12 30 Casework

12 36 Countertops



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61	16-0005	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	86.96	12.76
			<i>For Up To 50, Add</i>	27.89	
			<i>For >50 To 100, Add</i>	16.67	
			<i>For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add</i>	250.50	
			<i>For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add</i>	316.74	
			<i>For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add</i>	231.23	
			<i>For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add</i>	220.39	
			<i>For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add</i>	316.74	
			<i>For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add</i>	316.74	
			<i>For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add</i>	316.74	
			<i>For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add</i>	316.74	
			<i>For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add</i>	285.42	
			<i>Note: Single or double bowl.</i>		
			<i>For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add</i>	496.18	
			<i>Note: Single or double bowl.</i>		
			<i>For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add</i>	664.78	
			<i>Note: Single or double bowl.</i>		
			<i>For >3 SF Integral Single Basin Kitchen Sink, Add</i>	720.18	
			<i>Note: Single or double bowl.</i>		
			<i>For >3 SF Integral Double Basin Kitchen Sink, Add</i>	720.18	
12 36 61	16-0006	LF	1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops	28.81	5.42
12 36 61	16-0007	EA	Cutout For Undercounter Sink In Solid Surface Countertop	191.30	
			<i>Note: Not including integral seamed sinks</i>		

12 36 61 16-0008 Integral Seamless Solid Surface Lavatory (12 36 61 16-0001)
 Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61	16-0009	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810).....	293.86	
12 36 61	16-0010	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	360.10	
12 36 61	16-0011	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	274.59	
12 36 61	16-0012	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	263.75	
12 36 61	16-0013	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	360.10	
12 36 61	16-0014	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	360.10	
12 36 61	16-0015	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	360.10	
12 36 61	16-0016	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837).....	360.10	

12 36 61 16-0017 Integral Seamless Solid Surface Kitchen Sink (12 36 61 16-0001)
 Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61	16-0018	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	387.45	
12 36 61	16-0019	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	598.21	
12 36 61	16-0020	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	766.81	
12 36 61	16-0021	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	822.21	
12 36 61	16-0022	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink.....	822.21	

12 36 61 19 Quartz Agglomerate Countertops (12 36 61)

12 36 61 19-0001 Quartz Agglomerate Countertops (12 36 61 19)
 Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61	19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	119.43	28.06
12 36 61	19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	144.40	28.06
12 36 61	19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	133.55	32.67
12 36 61	19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	158.50	32.67
12 36 61	19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	21.57	5.42
12 36 61	19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop.....	191.30	

12 40 Furnishings and Accessories (12)

12 48 Rugs and Mats (12 40)

12 48 13 Entrance Floor Mats and Frames (12 48)

12 48 13 13 Entrance Floor Mats (12 48 13)

12 48 13 13-0001 Floor Mats (12 48 13 13)

12 48 13	13-0002	SF	3/8" Thick Solid Recessable Floor Mat	35.70	2.77
			<i>For Colors, Add</i>	6.04	
12 48 13	13-0003	SF	1/2" Thick Solid Recessable Floor Mat	44.99	2.77
			<i>For Colors, Add</i>	7.89	
12 48 13	13-0004	SF	3/8" Thick Perforated Recessable Floor Mat	38.02	2.77
			<i>For Colors, Add</i>	6.50	
12 48 13	13-0005	SF	1/2" Thick Perforated Recessable Floor Mat	47.31	2.77
			<i>For Colors, Add</i>	8.36	

12 48 13 13-0006 Link Mats (12 48 13 13)

Note: Includes nosing.

12 48 13	13-0007	SF	3/8" Link Mats, Aluminum	49.92	2.77
12 48 13	13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods.....	37.45	2.77
12 48 13	13-0009	SF	3/8" Thick, Galvanized Steel Link Mats.....	24.08	2.77



Furnishings	12
Furnishings and Accessories	12 40
Rugs and Mats	12 48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 48 13 13-0010	SF	Vinyl Link Mats, Color	40.90	2.77
12 48 13 13-0011	LF	Rubber Nosing.....	4.56	1.22

12 48 13 13-0012 Duckboard (12 48 13 13)

12 48 13 13-0013	SF	Aluminum Slats.....	72.49	3.32
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base.....	14.96	3.32
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	16.18	3.32
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick.....	24.07	3.32
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	22.32	3.32
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom.....	34.72	3.32

12 48 13 16 Entrance Floor Mat Frames (12 48 13)

12 48 13 16-0001 Recessed Frames (12 48 13 16)

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	31.11	5.10
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame.....	20.34	5.10

12 50 Furniture (12)

12 55 Detention Furniture (12 50)

12 55 13 Detention Bunks (12 55)

12 55 13 00-0001 Wall Mounted Single Bunks (12 55 13)

Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk.....	516.82	83.50
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk.....	590.45	83.50
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk.....	641.99	83.50

12 55 13 00-0005 Floor Supported Single Bunks (12 55 13)

Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.

12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk.....	516.82	83.50
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk.....	590.45	83.50
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk.....	641.99	83.50
12 55 13 00-0009	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	986.61	117.13
12 55 13 00-0010	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	836.14	117.13

12 55 13 00-0011 Floor Mounted Single Bunks (12 55 13)

Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.

12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk.....	516.82	83.50
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk.....	590.45	83.50
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk.....	641.99	83.50

12 55 13 00-0015 Single Stackable Bunks (12 55 13)

Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.

12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	531.54	83.50
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	553.63	83.50

12 55 13 00-0018 Double Bunks (12 55 13)

Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.

12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	940.65	111.33
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	955.38	111.33
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	1,017.96	111.33
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20.....	1,555.15	175.70
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20.....	1,404.68	175.70

12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/Beds (12 55 13)

Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.

12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer.....	227.08	41.75
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer.....	379.91	44.54

12 55 13 00-0027 Expanded Metal Convertible Beds (12 55 13)

Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.

12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	533.21	83.50
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	563.75	83.50
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	594.26	83.50
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	73.60	

12 55 16 Detention Desks (12 55)

12 Furnishings**12 50 Furniture****12 55 Detention Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat ^(12 55 16) Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top.....	1,032.07	89.07
12 55 16 00-0003 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	1,308.07	89.07
12 55 16 00-0004 Institutional Desk And Seat ^(12 55 16)		
12 55 16 00-0005 EA Institutional Desk And Seat, Up To 20	1,287.55	117.13
12 55 16 00-0006 EA Institutional Desk And Seat, Over 20	1,137.08	117.13
12 55 16 00-0007 EA Institutional Desk, Up To 20	1,137.08	117.13
12 55 16 00-0008 EA Institutional Desk, Over 20	986.61	117.13
12 55 19 Detention Stools ^(12 55)		
12 55 19 00-0001 Heavy Duty Steel Bench ^(12 55 19) Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002 EA 48" Long x 18" High x 12" Wide Steel Bench.....	498.16	66.81
12 55 19 00-0003 EA 72" Long x 18" High x 12" Wide Steel Bench	605.01	72.37
12 55 19 00-0004 EA 96" Long x 18" High x 12" Wide Steel Bench.....	671.26	77.93
12 55 19 00-0005 Stationary Stools ^(12 55 19) Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006 EA 12" Diameter Stainless Steel Stationary Stool, 18" High.....	374.78	66.81
12 55 19 00-0007 EA Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	343.64	46.85
12 55 19 00-0008 EA Floor Mounted Stool, 8" x 8" x 20"H, Over 20	367.86	46.85
12 55 19 00-0009 EA Wall Mounted Swivel Stool, Up To 20	478.26	58.57
12 55 19 00-0010 EA Wall Mounted Swivel Stool, Over 20	387.98	58.57
12 55 19 00-0011 Cell Bench ^(12 55 19) Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012 EA 48" Long x 12" Wide Cell Bench, Red Oak.....	360.46	66.91
12 55 19 00-0013 EA 72" Long x 12" Wide Cell Bench, Red Oak.....	431.15	72.37
12 55 19 00-0014 EA 96" Long x 12" Wide Cell Bench, Red Oak.....	476.54	77.93
12 55 23 Detention Tables ^(12 55)		
12 55 23 00-0001 Wall Mounted Table And Seat Set ^(12 55 23) Note: 7 Gauge steel, painted.		
12 55 23 00-0002 EA 18" x 12" Wall Mounted Table And Seat Set.....	266.94	47.32
12 55 23 00-0003 Heavy Duty Picnic Style Table ^(12 55 23) Note: 10 Gauge steel, painted.		
12 55 23 00-0004 EA 48" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,363.57	83.50
12 55 23 00-0005 EA 72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,742.85	89.07
12 55 23 00-0006 EA 96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,943.65	97.42
12 55 23 00-0007 Heavy Duty Picnic Style Table ^(12 55 23) Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0008 EA 48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	2,375.99	83.50
12 55 23 00-0009 EA 72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	3,399.54	89.07
12 55 23 00-0010 EA 96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	3,600.34	97.42
12 55 23 00-0011 Heavy Duty Pedestal Style Table ^(12 55 23) Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0012 EA 24" Long x 59" Wide x 30" High Steel Pedestal Table	1,206.81	69.59
12 55 23 00-0013 EA 65" Long x 65" Wide x 30" High Steel Pedestal Table	2,635.33	75.15
12 55 23 00-0014 EA 65" Long x 87" Wide x 30" High Steel Pedestal Table	2,928.22	83.50
12 55 23 00-0015 EA 12" Diameter Stainless Steel Replacement Seat	92.33	11.13
12 55 23 00-0016 Heavy Duty Pedestal Style Table ^(12 55 23) Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0017 EA 24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table.....	1,519.75	69.59
12 55 23 00-0018 EA 65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table.....	2,635.33	75.15
12 55 23 00-0019 EA 65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table.....	3,830.20	83.50
12 55 23 00-0020 EA 12" Diameter Gray-Primed Steel Replacement Seats	64.83	11.13
12 55 23 00-0021 EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,069.18	134.70
12 55 23 00-0022 EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,768.24	134.70
12 55 23 00-0023 EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	2,694.49	146.41
12 55 23 00-0024 EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	2,393.55	146.41
12 55 23 00-0025 EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,921.67	158.13
12 55 23 00-0026 EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,319.79	158.13



		Furnishings	12
		Furniture	12 50
		Detention Furniture	12 55

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 55 26 Detention Safety Clothes Hooks (12 55)

12 55 26 00-0001	EA		Collapsible Clothes Hook, Screw Type.....	85.59	26.44
12 55 26 00-0002	EA		Collapsible Clothes Hook, Weld-On Type.....	73.49	22.27
12 55 26 00-0003	EA		8" x 18" Storage Shelf.....	384.30	44.54
Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.					
12 55 26 00-0004	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20.....	394.65	46.85
12 55 26 00-0005	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20.....	319.41	46.85
12 55 26 00-0006	EA		Safety Clothes Hook, Up To 20.....	158.04	26.35
12 55 26 00-0007	EA		Safety Clothes Hook, Over 20.....	187.98	26.35

12 55 86 Detention Control Room Furniture (12 55)

12 55 86 00-0001	EA		22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount.....	309.63	99.14
12 55 86 00-0002	EA		Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf.....	777.58	87.84
12 55 86 00-0003	EA		>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf.....	702.34	87.84
12 55 86 00-0004	EA		Speaking Device With 6" Diameter Stainless Steel Cover Plates.....	1,875.91	35.14
Note: Includes neoprene gaskets, baffle, wire cloth and security screws.					
12 55 86 00-0005	EA		1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks.....	810.92	29.28
12 55 86 00-0006	LF		20" Depth, 10 Gauge Steel, Wall Mounted Bench.....	396.27	17.57
12 55 86 00-0007	LF		20" Depth, 10 Gauge Steel, Floor Mounted Bench.....	480.69	14.64

12 59 Systems Furniture (12 50)

12 59 13 Panel-Hung Component System Furniture (12 59)

12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)

Note: Excludes electrical wire and wiring devices.					
12 59 13 00-0002	EA		34H 24W Fabric Covered Panel - Component Systems Furniture.....	300.62	24.75
For Tackable Acoustical Barrier Panel, Add				54.92	
For Acoustical Panel, Add				59.70	
For Enameled Surface, Deduct				-23.88	
12 59 13 00-0003	EA		34H 30W Fabric Covered Panel - Component Systems Furniture.....	334.12	27.54
For Tackable Acoustical Barrier Panel, Add				61.04	
For Acoustical Panel, Add				66.35	
For Enameled Surface, Deduct				-26.54	
12 59 13 00-0004	EA		34H 36W Fabric Covered Panel - Component Systems Furniture.....	357.26	29.34
For Tackable Acoustical Barrier Panel, Add				65.27	
For Acoustical Panel, Add				70.94	
For Enameled Surface, Deduct				-28.38	
12 59 13 00-0005	EA		34H 48W Fabric Covered Panel - Component Systems Furniture.....	400.31	32.94
For Tackable Acoustical Barrier Panel, Add				73.14	
For Acoustical Panel, Add				79.50	
For Enameled Surface, Deduct				-31.80	
12 59 13 00-0006	EA		42H 24W Fabric Covered Panel - Component Systems Furniture.....	305.41	25.11
For Tackable Acoustical Barrier Panel, Add				55.80	
For Acoustical Panel, Add				60.65	
For Enameled Surface, Deduct				-24.26	
12 59 13 00-0007	EA		42H 30W Fabric Covered Panel - Component Systems Furniture.....	345.26	28.35
For Tackable Acoustical Barrier Panel, Add				63.08	
For Acoustical Panel, Add				68.57	
For Enameled Surface, Deduct				-27.43	
12 59 13 00-0008	EA		42H 36W Fabric Covered Panel - Component Systems Furniture.....	386.74	31.86
For Tackable Acoustical Barrier Panel, Add				70.66	
For Acoustical Panel, Add				76.80	
For Enameled Surface, Deduct				-30.72	
12 59 13 00-0009	EA		42H 48W Fabric Covered Panel - Component Systems Furniture.....	454.53	37.36
For Tackable Acoustical Barrier Panel, Add				83.04	
For Acoustical Panel, Add				90.26	
For Enameled Surface, Deduct				-36.11	
12 59 13 00-0010	EA		62H 12W Fabric Covered Panel - Component Systems Furniture.....	294.24	24.21
For Tackable Acoustical Barrier Panel, Add				53.76	
For Acoustical Panel, Add				58.43	
For Enameled Surface, Deduct				-23.37	
12 59 13 00-0011	EA		62H 24W Fabric Covered Panel - Component Systems Furniture.....	362.03	29.80
For Tackable Acoustical Barrier Panel, Add				66.14	
For Acoustical Panel, Add				71.89	
For Enameled Surface, Deduct				-28.76	
12 59 13 00-0012	EA		62H 36W Fabric Covered Panel - Component Systems Furniture.....	452.95	37.27
For Tackable Acoustical Barrier Panel, Add				82.75	
For Acoustical Panel, Add				89.95	
For Enameled Surface, Deduct				-35.98	
12 59 13 00-0013	EA		62H 48W Fabric Covered Panel - Component Systems Furniture.....	542.23	44.55
For Tackable Acoustical Barrier Panel, Add				99.07	
For Acoustical Panel, Add				107.68	
For Enameled Surface, Deduct				-43.07	
12 59 13 00-0014	EA		34" Draw Rod Panel Connector Hardware.....	16.42	1.35
12 59 13 00-0015	EA		42" Draw Rod Panel Connector Hardware.....	16.42	1.35
12 59 13 00-0016	EA		62" Draw Rod Panel Connector Hardware.....	17.51	1.44
12 59 13 00-0017	EA		34" Two-Way 90 Degree Panel Connector Hardware.....	75.52	6.21
12 59 13 00-0018	EA		42" Two-Way 90 Degree Panel Connector Hardware.....	87.56	7.20
12 59 13 00-0019	EA		62" Two-Way 90 Degree Panel Connector Hardware.....	100.69	8.28

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	117.12	9.63
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	135.73	11.16
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	157.61	12.96
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	147.76	12.15
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	172.94	14.22
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	207.96	17.10
12 59 13 00-0026	EA	34" Panel End Cap Hardware	25.18	2.07
12 59 13 00-0027	EA	42" Panel End Cap Hardware	28.45	2.34
12 59 13 00-0028	EA	62" Panel End Cap Hardware	30.64	2.52
12 59 13 00-0029	EA	28" Variable Height Panel End Filler	27.77	2.34
		Note: Field cut to appropriate length.		
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	14.29	1.17
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	15.07	1.26
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	17.45	1.44
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	14.29	1.17
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly	29.36	2.43
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly	33.34	2.70
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly	34.12	2.79
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly	38.09	3.15
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly	42.85	3.51
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	230.45	18.90
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	283.89	23.31
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	267.94	22.06
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	334.93	27.54
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	338.10	27.82
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	425.84	35.10
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	410.66	33.75
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	515.90	42.39
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	916.46	75.43
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	1,001.50	82.44
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	110.05	9.09
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	125.18	10.26
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	140.34	11.52
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	174.63	14.41
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	209.71	17.28
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	366.83	30.15
12 59 13 00-0055	EA	Transaction Surface Support	29.06	2.38
12 59 13 00-0056	EA	Plastic Pencil Drawer	31.81	2.34
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	107.14	8.82
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	116.65	9.54
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	124.58	10.26
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure	184.88	15.21
		Note: Used with hanging shelf.		
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure	215.84	17.82
		Note: Used with hanging shelf.		
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure	247.58	20.34
		Note: Used with hanging shelf.		
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	637.57	52.15
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	673.40	55.09
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	710.53	58.12
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	777.12	63.57
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	288.87	23.76
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	45.22	3.78
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	364.93	30.06
12 59 13 00-0070	EA	File Drawer Organizer	117.46	9.63
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	25.40	2.07
12 59 13 00-0072	EA	Utility Task Light	126.97	10.44

12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	30.93	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	34.37	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	36.75	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	41.19	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	31.42	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	35.53	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	39.79	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	46.77	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	30.27	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	37.25	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	46.60	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	55.79	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.69	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.69	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	7.77	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	9.01	



Furnishings	12
Furniture	12 50
Systems Furniture	12 59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0091 EA Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	10.36	
12 59 13 00-0092 EA Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	12.05	
12 59 13 00-0093 EA Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	13.96	
12 59 13 00-0094 EA Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	16.21	
12 59 13 00-0095 EA Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	15.20	
12 59 13 00-0096 EA Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	17.79	
12 59 13 00-0097 EA Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	21.39	
12 59 13 00-0098 EA Disassemble And Store 34" Panel End Cap Hardware	2.59	
12 59 13 00-0099 EA Disassemble And Store 42" Panel End Cap Hardware	2.93	
12 59 13 00-0100 EA Disassemble And Store 62" Panel End Cap Hardware	3.16	
12 59 13 00-0101 EA Disassemble And Store Variable Height Panel End Filler	2.86	
12 59 13 00-0102 EA Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.47	
12 59 13 00-0103 EA Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.55	
12 59 13 00-0104 EA Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.80	
12 59 13 00-0105 EA Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.47	
12 59 13 00-0106 EA Disassemble And Store 12" Cable Management Raceway Assembly	3.03	
12 59 13 00-0107 EA Disassemble And Store 24" Cable Management Raceway Assembly	3.43	
12 59 13 00-0108 EA Disassemble And Store 30" Cable Management Raceway Assembly	3.51	
12 59 13 00-0109 EA Disassemble And Store 36" Cable Management Raceway Assembly	3.92	
12 59 13 00-0110 EA Disassemble And Store 48" Cable Management Raceway Assembly	4.40	
12 59 13 00-0111 EA Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	23.70	
12 59 13 00-0112 EA Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	29.20	
12 59 13 00-0113 EA Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	27.56	
12 59 13 00-0114 EA Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	34.46	
12 59 13 00-0115 EA Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	34.79	
12 59 13 00-0116 EA Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	43.81	
12 59 13 00-0117 EA Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	42.25	
12 59 13 00-0118 EA Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	53.09	
12 59 13 00-0119 EA Disassemble And Store 30" x 60" Radiused Edge Table	81.97	
12 59 13 00-0120 EA Disassemble And Store 30" x 72" Radiused Edge Table	103.02	
12 59 13 00-0121 EA Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	11.32	
12 59 13 00-0122 EA Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	12.88	
12 59 13 00-0123 EA Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	14.44	
12 59 13 00-0124 EA Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	17.96	
12 59 13 00-0125 EA Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	21.57	
12 59 13 00-0126 EA Disassemble And Store 14" Right Angle Corner Transaction Surface	37.74	
12 59 13 00-0127 EA Disassemble And Store Transaction Surface Support	2.98	
12 59 13 00-0128 EA Disassemble And Store Plastic Pencil Drawer	2.95	
12 59 13 00-0129 EA Disassemble And Store 15-1/2" x 24" Hanging Shelf	11.03	
12 59 13 00-0130 EA Disassemble And Store 15-1/2" x 36" Hanging Shelf	12.00	
12 59 13 00-0131 EA Disassemble And Store 15-1/2" x 48" Hanging Shelf	12.82	
12 59 13 00-0132 EA Disassemble And Store 24" Flipper Door And Shelf	19.02	
12 59 13 00-0133 EA Disassemble And Store 36" Flipper Door And Shelf	22.21	
12 59 13 00-0134 EA Disassemble And Store 48" Flipper Door And Shelf	25.47	
12 59 13 00-0135 EA Disassemble And Store 24" Suspended Lateral File	65.19	
12 59 13 00-0136 EA Disassemble And Store 30" Suspended Lateral File	68.85	
12 59 13 00-0137 EA Disassemble And Store 36" Suspended Lateral File	72.65	
12 59 13 00-0138 EA Disassemble And Store 48" Suspended Lateral File	79.47	
12 59 13 00-0139 EA Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	29.72	
12 59 13 00-0140 EA Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	37.55	
12 59 13 00-0141 EA Disassemble And Store Utility Task Light	13.06	

12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)

12 59 13 00-0143 EA Reconfigure 34H 24W Fabric Covered Panel	32.98	
12 59 13 00-0144 EA Reconfigure 34H 30W Fabric Covered Panel	36.65	
12 59 13 00-0145 EA Reconfigure 34H 36W Fabric Covered Panel	39.19	
12 59 13 00-0146 EA Reconfigure 34H 48W Fabric Covered Panel	43.91	
12 59 13 00-0147 EA Reconfigure 42H 24W Fabric Covered Panel	33.50	
12 59 13 00-0148 EA Reconfigure 42H 30W Fabric Covered Panel	37.88	
12 59 13 00-0149 EA Reconfigure 42H 36W Fabric Covered Panel	42.42	
12 59 13 00-0150 EA Reconfigure 42H 48W Fabric Covered Panel	49.86	
12 59 13 00-0151 EA Reconfigure 62H 12W Fabric Covered Panel	32.28	
12 59 13 00-0152 EA Reconfigure 62H 24W Fabric Covered Panel	39.71	
12 59 13 00-0153 EA Reconfigure 62H 36W Fabric Covered Panel	49.68	
12 59 13 00-0154 EA Reconfigure 62H 48W Fabric Covered Panel	59.48	
12 59 13 00-0155 EA Reconfigure 34" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0156 EA Reconfigure 42" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0157 EA Reconfigure 62" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0158 EA Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.28	
12 59 13 00-0159 EA Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	9.60	
12 59 13 00-0160 EA Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.05	
12 59 13 00-0161 EA Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	12.85	
12 59 13 00-0162 EA Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	14.89	
12 59 13 00-0163 EA Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	17.29	
12 59 13 00-0164 EA Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	16.20	
12 59 13 00-0165 EA Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	18.97	
12 59 13 00-0166 EA Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	22.81	
12 59 13 00-0167 EA Reconfigure 34" Panel End Cap Hardware	2.76	
12 59 13 00-0168 EA Reconfigure 42" Panel End Cap Hardware	3.13	
12 59 13 00-0169 EA Reconfigure 62" Panel End Cap Hardware	3.36	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler.....	3.05	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.57	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.65	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.91	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.57	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	3.22	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	3.66	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	3.74	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	4.18	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	4.69	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	25.28	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	31.14	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	29.39	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	36.73	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	37.08	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	46.71	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	45.05	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	56.60	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table.....	100.54	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table.....	109.87	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	12.07	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	13.73	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	15.40	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	19.15	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	23.00	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface.....	40.24	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support.....	3.18	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf.....	11.75	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf.....	12.80	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf.....	13.67	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf.....	20.28	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf.....	23.67	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf.....	27.16	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	69.54	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	73.44	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	77.51	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	84.77	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	40.03	

12 60 Multiple Seating ⁽¹²⁾**12 61 Fixed Audience Seating** ^(12 60)

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating ^(12 61)**12 61 13 00-0001 Upholstered Audience Seating** ^(12 61 13)

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	620.69	53.14
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-75.77	
		For >249 To 749, Deduct	-90.93	
		For >749, Deduct	-101.03	
		For Up To 9, Add	823.41	
		For >9 To 24, Add	328.35	
		For Expansion Anchor Mounting With Anchor Caps, Add	30.09	
		For Epoxy Anchor Mounting With Anchor Caps, Add	37.75	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	653.37	53.14
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-80.68	
		For >249 To 749, Deduct	-96.81	
		For >749, Deduct	-107.57	
		For Up To 9, Add	822.90	
		For >9 To 24, Add	328.08	
		For Expansion Anchor Mounting With Anchor Caps, Add	30.09	
		For Epoxy Anchor Mounting With Anchor Caps, Add	37.75	
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	801.67	53.14
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-102.92	
		For >249 To 749, Deduct	-123.51	
		For >749, Deduct	-137.23	
		For Up To 9, Add	823.37	
		For >9 To 24, Add	329.35	
		For Expansion Anchor Mounting With Anchor Caps, Add	30.09	
		For Epoxy Anchor Mounting With Anchor Caps, Add	37.75	



Furnishings	12	12
Multiple Seating	12 60	
Fixed Audience Seating	12 61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61	13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4)..... Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms	834.79	53.14
			<i>For >100 To 249, Deduct</i>	-107.89	
			<i>For >249 To 749, Deduct</i>	-129.47	
			<i>For >749, Deduct</i>	-143.85	
			<i>For Up To 9, Add</i>	819.96	
			<i>For >9 To 24, Add</i>	330.86	
			<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	30.09	
			<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.75	
12 61	13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4)..... Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	542.99	53.14
			<i>For >100 To 249, Deduct</i>	-64.12	
			<i>For >249 To 749, Deduct</i>	-76.94	
			<i>For >749, Deduct</i>	-85.49	
			<i>For Up To 9, Add</i>	825.00	
			<i>For >9 To 24, Add</i>	329.14	
			<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	30.09	
			<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.75	
12 61	13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4)..... Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	549.52	53.14
			<i>For >100 To 249, Deduct</i>	-65.10	
			<i>For >249 To 749, Deduct</i>	-78.12	
			<i>For >749, Deduct</i>	-86.80	
			<i>For Up To 9, Add</i>	824.58	
			<i>For >9 To 24, Add</i>	329.83	
			<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	30.09	
			<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.75	
12 61	13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4)..... Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	577.59	53.14
			<i>For >100 To 249, Deduct</i>	-69.31	
			<i>For >249 To 749, Deduct</i>	-83.17	
			<i>For >749, Deduct</i>	-92.41	
			<i>For Up To 9, Add</i>	822.47	
			<i>For >9 To 24, Add</i>	328.06	
			<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	30.09	
			<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.75	
12 61 16 Molded-Plastic Audience Seating (12 61)					
12 61	16 00-0001	Molded-Plastic Audience Seating (12 61 16)			
12 61	16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30)..... Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.	411.70	53.14
			<i>For >100 To 249, Deduct</i>	-44.43	
			<i>For >249 To 749, Deduct</i>	-53.31	
			<i>For >749, Deduct</i>	-59.23	
			<i>For Up To 9, Add</i>	811.51	
			<i>For >9 To 24, Add</i>	325.79	
			<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	30.09	
			<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.75	
12 61	16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)..... Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.	461.08	53.14
			<i>For >100 To 249, Deduct</i>	-51.83	
			<i>For >249 To 749, Deduct</i>	-62.20	
			<i>For >749, Deduct</i>	-69.11	
			<i>For Up To 9, Add</i>	812.04	
			<i>For >9 To 24, Add</i>	324.82	
			<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	30.09	
			<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.75	
12 61 19 Plywood/Hardwood Audience Seating (12 61)					
12 61	19 00-0001	Plywood/Hardwood Audience Seating (12 61 19)			

12 Furnishings

12 60 Multiple Seating

12 61 Fixed Audience Seating



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 19 00-0002	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4).....	651.43	53.14
			Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-80.39	
			For >249 To 749, Deduct	-96.46	
			For >749, Deduct	-107.18	
			For Up To 9, Add	852.08	
			For >9 To 24, Add	342.98	
			For Expansion Anchor Mounting With Anchor Caps, Add	30.09	
			For Epoxy Anchor Mounting With Anchor Caps, Add	37.75	
12 61 19 00-0003	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4).....	677.94	53.14
			Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-84.36	
			For >249 To 749, Deduct	-101.23	
			For >749, Deduct	-112.48	
			For Up To 9, Add	815.49	
			For >9 To 24, Add	326.20	
			For Expansion Anchor Mounting With Anchor Caps, Add	30.09	
			For Epoxy Anchor Mounting With Anchor Caps, Add	37.75	

12 61 21 Fixed Audience Seating Accessories (12 61)

12 61 21 00-0001 Fixed Audience Seating Accessories (12 61 21)

12 61 21 00-0002	EA		100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	211.69	
			For >100 To 249, Deduct	-30.02	
			For >249 To 749, Deduct	-36.02	
			For >749, Deduct	-40.03	
12 61 21 00-0003	EA		120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	215.54	
			For >100 To 249, Deduct	-30.60	
			For >249 To 749, Deduct	-36.72	
			For >749, Deduct	-40.80	
12 61 21 00-0004	EA		151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	225.58	
			For >100 To 249, Deduct	-32.10	
			For >249 To 749, Deduct	-38.52	
			For >749, Deduct	-42.80	
12 61 21 00-0005	EA		98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	211.69	
			For >100 To 249, Deduct	-30.02	
			For >249 To 749, Deduct	-36.02	
			For >749, Deduct	-40.03	
12 61 21 00-0006	EA		105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	226.43	
			For >100 To 249, Deduct	-32.23	
			For >249 To 749, Deduct	-38.68	
			For >749, Deduct	-42.97	
12 61 21 00-0007	EA		Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	17.25	

12 62 Portable-Audience Seating (12 60)

12 62 23 Portable Bleachers (12 62)

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable (12 62 23)

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

12 62 23 00-0003	SEA		2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat.....	171.22	4.35
			For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
			For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

Note: Includes side and back fence.

12 62 23 00-0005	SEA		5 Rows, Non-Elevated Portable Aluminum Bleacher.....	226.63	4.35
			Note: Including side and back fence.		
			For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0006	SEA		6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher.....	258.82	4.57
			Note: Including side and back fence.		
			For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0007	SEA		11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher.....	270.15	4.78
			Note: Including side and back fence.		
			For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA		5 Rows, Non-Elevated Portable Aluminum Bleacher.....	357.58	4.89
			Note: Including side and back fence and center aisle with hand rails.		
			For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	



Furnishings	12	12
Multiple Seating	12 60	
Portable-Audience Seating	12 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0010 SEA 6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	409.35 35.00	5.14
12 62 23 00-0011 SEA 11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher..... Note: Including side and back fence and center aisle with hand rails. <i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	444.20 35.00	5.44

END OF SECTION 12

12	12	Furnishings
	12 60	Multiple Seating
	12 62	Portable-Audience Seating



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Special Construction	13	13
Special Facility Components	13 10	
Swimming Pools	13 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 10 Special Facility Components ⁽¹³⁾

13 11 Swimming Pools ^(13 10)

13 11 46 Swimming Pool Accessories ^(13 11)

13 11 46 00-0001 Diving Stand ^(13 11 46)

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	34,999.85	3,190.21
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	40,478.65	3,190.21
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	20,900.66	1,276.08
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	25,203.36	1,276.08
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	7,680.16	592.10

13 11 46 00-0007 Diving Boards ^(13 11 46)

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....	7,244.04	472.15
		<i>For Wheel Adjuster, Add</i>	122.19	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....	6,046.40	472.15
		<i>For Wheel Adjuster, Add</i>	122.19	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....	3,313.09	391.76
		<i>For Wheel Adjuster, Add</i>	113.25	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....	4,363.31	418.55
		<i>For Wheel Adjuster, Add</i>	116.22	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....	5,390.31	446.63
		<i>For Wheel Adjuster, Add</i>	119.31	

13 11 46 00-0013 Heavy Duty Ladders ^(13 11 46)

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	1,881.59	182.48
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	2,893.85	182.48
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	2,159.08	210.55
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	3,563.59	210.55

13 11 46 00-0018 Lifeguard Chair ^(13 11 46)

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	4,853.33	472.15
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	6,511.83	472.15

13 11 46 00-0021 Underwater Lights ^(13 11 46)

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	483.28	153.42
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	475.18	153.42

13 11 46 00-0024 Pool Covers ^(13 11 46)

		Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....	15.28	6.30
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....	15.03	6.30

13 11 46 00-0027 Slides With Water Tube ^(13 11 46)

13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide.....	6,394.59	717.80
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13 11 46 00-0029 Curved Slides With Water Tube ^(13 11 46)

13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water.....	12,538.53	976.59
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13 12 Fountains ^(13 10)

13 12 13 Exterior Fountains ^(13 12)

13 12 13 00-0001 Fountains/Aerators ^(13 12 13)

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,368.35	180.04
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,615.08	184.00
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,649.84	188.45
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,779.41	192.90
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	2,910.17	197.84
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....	6,190.62	202.79
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....	7,080.51	208.23
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....	7,852.01	213.67
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....	9,927.16	219.61
13 12 13 00-0011	EA	Aerator Nozzle.....	952.60	98.92

13	13 Special Construction
	13 20 Special Purpose Rooms
	13 12 Fountains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13 21 26 Cold Storage Rooms ^(13 21)

13 21 26 13 Walk-in Coolers ^(13 21 26)
See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 16 Grandstands and Bleachers ^(13 34)

13 34 16 13 Grandstands ^(13 34 16)

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame ^(13 34 16 13)

13 34 16 13-0002 3 To 15 Tiers ^(13 34 16 13-0001)

13 34 16 13-0003 SEA 3-15 Tier Permanent Grandstand Price Per Seat 84.18 8.70

13 34 16 13-0004 16 To 30 Tiers ^(13 34 16 13-0001)

13 34 16 13-0005 SEA 16-30 Tier Permanent Grandstand Price Per Seat 129.07 9.79

13 34 19 Metal Building Systems ^(13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004 GSF 10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding..... 30.38 7.70

- For 20' To 29' In Length Only, Add 3.70
- For 30' To 49' In Length Only, Add 2.91
- For 50' To 69' In Length Only, Add 1.70
- For 70' To 99' In Length Only, Add 0.70
- For >1 In 12 Slope To 3 In 12 Slope, Add 0.91
- For >3 In 12 Slope To 5 In 12 Slope, Add 1.52
- For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 2.28
- For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 2.96
- For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 3.65
- For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 5.77
- For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 7.29
- For Single Slope Frame Roof, Add 1.95
- For Each SF Of 24 Gauge Wall Panel, Add 0.89
- For Each SF Of Lap Roof, Deduct -0.76
- For Each SF Of Hip Roof, Add 1.06
- For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97

13 34 19 00-0005 GSF 12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding..... 32.48 8.46

- For 20' To 29' In Length Only, Add 3.80
- For 30' To 49' In Length Only, Add 2.99
- For 50' To 69' In Length Only, Add 1.75
- For 70' To 99' In Length Only, Add 0.72
- For >1 In 12 Slope To 3 In 12 Slope, Add 0.97
- For >3 In 12 Slope To 5 In 12 Slope, Add 1.62
- For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add 2.44
- For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add 3.17
- For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 3.90
- For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add 6.17
- For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add 7.80
- For Single Slope Frame Roof, Add 2.00
- For Each SF Of 24 Gauge Wall Panel, Add 0.95
- For Each SF Of Lap Roof, Deduct -0.76
- For Each SF Of Hip Roof, Add 1.15
- For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired) -1.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006 GSF 14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	34.83	9.33
For 20' To 29' In Length Only, Add	3.91	
For 30' To 49' In Length Only, Add	3.07	
For 50' To 69' In Length Only, Add	1.80	
For 70' To 99' In Length Only, Add	0.74	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.04	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.61	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.36	
For Single Slope Frame Roof, Add	2.06	
For Each SF Of 24 Gauge Wall Panel, Add	1.01	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.26	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007 GSF 16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.45	10.21
For 20' To 29' In Length Only, Add	4.10	
For 30' To 49' In Length Only, Add	3.22	
For 50' To 69' In Length Only, Add	1.88	
For 70' To 99' In Length Only, Add	0.78	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.12	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.81	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.65	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.49	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.99	
For Single Slope Frame Roof, Add	2.16	
For Each SF Of 24 Gauge Wall Panel, Add	1.08	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008 GSF 18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	40.17	11.07
For 20' To 29' In Length Only, Add	4.30	
For 30' To 49' In Length Only, Add	3.38	
For 50' To 69' In Length Only, Add	1.98	
For 70' To 99' In Length Only, Add	0.82	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.21	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.92	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.82	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.63	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.64	
For Single Slope Frame Roof, Add	2.27	
For Each SF Of 24 Gauge Wall Panel, Add	1.16	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009 GSF 20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	44.32	11.90
For 20' To 29' In Length Only, Add	4.96	
For 30' To 49' In Length Only, Add	3.90	
For 50' To 69' In Length Only, Add	2.28	
For 70' To 99' In Length Only, Add	0.94	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.33	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.22	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.32	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.32	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	8.42	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	10.64	
For Single Slope Frame Roof, Add	2.61	
For Each SF Of 24 Gauge Wall Panel, Add	1.28	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	49.67	13.64
For 20' To 29' In Length Only, Add	5.40	
For 30' To 49' In Length Only, Add	4.24	
For 50' To 69' In Length Only, Add	2.48	
For 70' To 99' In Length Only, Add	1.02	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	2.48	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.73	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.84	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.96	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	9.44	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	11.92	
For Single Slope Frame Roof, Add	2.84	
For Each SF Of 24 Gauge Wall Panel, Add	1.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.79	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0011	>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0002)</small>		
13 34 19 00-0012	GSF 10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding 25.95	25.95	6.12
	For 30' To 49' In Length Only, Add	2.71	
	For 50' To 69' In Length Only, Add	1.59	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.78	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.30	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.95	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.53	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.11	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.93	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.23	
	For Single Slope Frame Roof, Add	1.82	
	For Each SF Of 24 Gauge Wall Panel, Add	0.77	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.86	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013	GSF 12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding 27.64	27.64	6.67
	For 30' To 49' In Length Only, Add	2.79	
	For 50' To 69' In Length Only, Add	1.63	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.38	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.07	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.69	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.32	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.25	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.63	
	For Single Slope Frame Roof, Add	1.87	
	For Each SF Of 24 Gauge Wall Panel, Add	0.82	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.93	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014	GSF 14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding 29.09	29.09	7.23
	For 30' To 49' In Length Only, Add	2.85	
	For 50' To 69' In Length Only, Add	1.67	
	For 70' To 99' In Length Only, Add	0.69	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.87	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.45	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.18	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.84	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.49	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.53	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.98	
	For Single Slope Frame Roof, Add	1.91	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.00	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015	GSF 16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding 31.20	31.20	7.87
	For 30' To 49' In Length Only, Add	3.00	
	For 50' To 69' In Length Only, Add	1.75	
	For 70' To 99' In Length Only, Add	0.72	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.04	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.74	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.93	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.49	
	For Single Slope Frame Roof, Add	2.01	
	For Each SF Of 24 Gauge Wall Panel, Add	0.91	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.08	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016	GSF 18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding 33.83	33.83	8.46
	For 30' To 49' In Length Only, Add	3.29	
	For 50' To 69' In Length Only, Add	1.93	
	For 70' To 99' In Length Only, Add	0.79	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.01	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.69	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.54	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.30	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.06	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.43	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.12	
	For Single Slope Frame Roof, Add	2.21	
	For Each SF Of 24 Gauge Wall Panel, Add	0.99	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.15	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.20	9.03
For 30' To 49' In Length Only, Add	3.50	
For 50' To 69' In Length Only, Add	2.05	
For 70' To 99' In Length Only, Add	0.84	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.09	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.72	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.53	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.34	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.88	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.69	
For Single Slope Frame Roof, Add	2.34	
For Each SF Of 24 Gauge Wall Panel, Add	1.06	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.23	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	39.58	10.21
For 30' To 49' In Length Only, Add	3.70	
For 50' To 69' In Length Only, Add	2.16	
For 70' To 99' In Length Only, Add	0.89	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.19	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.98	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.86	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.75	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.50	
For Single Slope Frame Roof, Add	2.48	
For Each SF Of 24 Gauge Wall Panel, Add	1.15	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
<small>(13 34 19 00-0002)</small>		
13 34 19 00-0020 GSF 10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.22	4.26
For 30' To 49' In Length Only, Add	2.37	
For 50' To 69' In Length Only, Add	1.39	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.01	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.97	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.43	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.84	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.85	
For Single Slope Frame Roof, Add	1.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.04	4.48
For 30' To 49' In Length Only, Add	2.45	
For 50' To 69' In Length Only, Add	1.43	
For 70' To 99' In Length Only, Add	0.59	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.05	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.05	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.52	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.00	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.05	
For Single Slope Frame Roof, Add	1.64	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.66	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022 GSF 14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.86	4.69
For 30' To 49' In Length Only, Add	2.52	
For 50' To 69' In Length Only, Add	1.47	
For 70' To 99' In Length Only, Add	0.61	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.64	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.13	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.62	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.15	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.25	
For Single Slope Frame Roof, Add	1.69	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.68	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.15	5.42
	For 30' To 49' In Length Only, Add	2.66	
	For 50' To 69' In Length Only, Add	1.56	
	For 70' To 99' In Length Only, Add	0.64	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.90	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.59	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.80	
	For Single Slope Frame Roof, Add	1.78	
	For Each SF Of 24 Gauge Wall Panel, Add	0.72	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.95	6.03
	For 30' To 49' In Length Only, Add	2.76	
	For 50' To 69' In Length Only, Add	1.61	
	For 70' To 99' In Length Only, Add	0.66	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.78	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.30	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.95	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.53	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.11	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.93	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.23	
	For Single Slope Frame Roof, Add	1.85	
	For Each SF Of 24 Gauge Wall Panel, Add	0.77	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.85	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.66	6.65
	For 30' To 49' In Length Only, Add	2.83	
	For 50' To 69' In Length Only, Add	1.65	
	For 70' To 99' In Length Only, Add	0.68	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.83	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.38	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.07	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.70	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.32	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.26	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.64	
	For Single Slope Frame Roof, Add	1.89	
	For Each SF Of 24 Gauge Wall Panel, Add	0.82	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.93	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.85	7.52
	For 30' To 49' In Length Only, Add	3.10	
	For 50' To 69' In Length Only, Add	1.81	
	For 70' To 99' In Length Only, Add	0.75	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.93	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.54	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.31	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.01	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.70	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.86	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.40	
	For Single Slope Frame Roof, Add	2.07	
	For Each SF Of 24 Gauge Wall Panel, Add	0.91	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.04	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0029	GSF 10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.34	6.12
	For 20' To 29' In Length Only, Add	3.56	
	For 30' To 49' In Length Only, Add	2.80	
	For 50' To 69' In Length Only, Add	1.64	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.79	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.32	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.98	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.57	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.16	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.00	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.32	
	For Each SF Of 24 Gauge Wall Panel, Add	0.78	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.86	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030 GSF 12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.30	6.68
<i>For 20' To 29' In Length Only, Add</i>	3.76	
<i>For 30' To 49' In Length Only, Add</i>	2.95	
<i>For 50' To 69' In Length Only, Add</i>	1.73	
<i>For 70' To 99' In Length Only, Add</i>	0.71	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.85	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.42	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.12	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.76	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.40	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.38	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.79	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.84	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.93	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0031 GSF 14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	30.21	7.23
<i>For 20' To 29' In Length Only, Add</i>	3.95	
<i>For 30' To 49' In Length Only, Add</i>	3.10	
<i>For 50' To 69' In Length Only, Add</i>	1.81	
<i>For 70' To 99' In Length Only, Add</i>	0.75	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.91	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.51	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.27	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.95	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.63	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.74	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.25	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.89	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.00	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	32.69	7.87
<i>For 20' To 29' In Length Only, Add</i>	4.24	
<i>For 30' To 49' In Length Only, Add</i>	3.33	
<i>For 50' To 69' In Length Only, Add</i>	1.95	
<i>For 70' To 99' In Length Only, Add</i>	0.80	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.98	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.63	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.45	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.19	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.92	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.21	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.85	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.97	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.08	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	34.86	8.48
<i>For 20' To 29' In Length Only, Add</i>	4.47	
<i>For 30' To 49' In Length Only, Add</i>	3.51	
<i>For 50' To 69' In Length Only, Add</i>	2.05	
<i>For 70' To 99' In Length Only, Add</i>	0.85	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.05	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.74	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.61	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.40	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.18	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.62	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	8.37	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	1.03	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.16	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0034 GSF 20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	37.03	9.10
<i>For 20' To 29' In Length Only, Add</i>	4.69	
<i>For 30' To 49' In Length Only, Add</i>	3.68	
<i>For 50' To 69' In Length Only, Add</i>	2.15	
<i>For 70' To 99' In Length Only, Add</i>	0.89	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.11	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.85	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.78	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.61	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.44	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	7.04	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	8.89	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	1.09	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.23	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0035	GSF 24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	41.49	10.37
	For 20' To 29' In Length Only, Add	5.13	
	For 30' To 49' In Length Only, Add	4.03	
	For 50' To 69' In Length Only, Add	2.36	
	For 70' To 99' In Length Only, Add	0.97	
	For >1 In 12 Slope To 3 In 12 Slope, Add	1.24	
	For >3 In 12 Slope To 5 In 12 Slope, Add	2.07	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	3.11	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	4.05	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.98	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.88	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	9.96	
	For Each SF Of 24 Gauge Wall Panel, Add	1.22	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	1.39	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0036	>30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0037	GSF 10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.74	5.42
	For 30' To 49' In Length Only, Add	2.57	
	For 50' To 69' In Length Only, Add	1.50	
	For 70' To 99' In Length Only, Add	0.62	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.71	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.19	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.78	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.31	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.85	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.51	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.70	
	For Each SF Of 24 Gauge Wall Panel, Add	0.71	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.77	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.33	5.92
	For 30' To 49' In Length Only, Add	2.68	
	For 50' To 69' In Length Only, Add	1.57	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.27	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.90	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.47	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.04	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.81	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.08	
	For Each SF Of 24 Gauge Wall Panel, Add	0.75	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.84	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.92	6.41
	For 30' To 49' In Length Only, Add	2.78	
	For 50' To 69' In Length Only, Add	1.63	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.02	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.62	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.23	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.11	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.46	
	For Each SF Of 24 Gauge Wall Panel, Add	0.80	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.90	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0040	GSF 16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.65	6.88
	For 30' To 49' In Length Only, Add	2.93	
	For 50' To 69' In Length Only, Add	1.71	
	For 70' To 99' In Length Only, Add	0.71	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.43	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.15	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.79	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.44	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.88	
	For Each SF Of 24 Gauge Wall Panel, Add	0.85	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.96	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041 GSF 18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	30.36	7.37
<i>For 30' To 49' In Length Only, Add</i>	3.06	
<i>For 50' To 69' In Length Only, Add</i>	1.79	
<i>For 70' To 99' In Length Only, Add</i>	0.74	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.91	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.52	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.28	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.96	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.64	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.77	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.29	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.90	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.02	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	32.08	7.87
<i>For 30' To 49' In Length Only, Add</i>	3.20	
<i>For 50' To 69' In Length Only, Add</i>	1.87	
<i>For 70' To 99' In Length Only, Add</i>	0.77	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.96	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.60	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.41	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.13	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.85	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.10	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.70	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.94	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.08	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	35.94	8.98
<i>For 30' To 49' In Length Only, Add</i>	3.50	
<i>For 50' To 69' In Length Only, Add</i>	2.05	
<i>For 70' To 99' In Length Only, Add</i>	0.84	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	1.08	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.80	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.70	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	3.50	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.31	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	6.83	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	8.63	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	1.05	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	1.22	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0045 GSF 10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.59	4.26
<i>For 30' To 49' In Length Only, Add</i>	2.46	
<i>For 50' To 69' In Length Only, Add</i>	1.44	
<i>For 70' To 99' In Length Only, Add</i>	0.59	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.62	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.03	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.54	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.01	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.47	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.91	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.94	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.63	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0046 GSF 12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.71	4.55
<i>For 30' To 49' In Length Only, Add</i>	2.56	
<i>For 50' To 69' In Length Only, Add</i>	1.50	
<i>For 70' To 99' In Length Only, Add</i>	0.62	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.65	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.09	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.63	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.12	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.61	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.12	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.21	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.66	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.67	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0047	GSF 14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.79	4.84
	For 30' To 49' In Length Only, Add	2.65	
	For 50' To 69' In Length Only, Add	1.55	
	For 70' To 99' In Length Only, Add	0.64	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.71	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.22	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.73	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.33	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.47	
	For Each SF Of 24 Gauge Wall Panel, Add	0.69	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.70	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0048	GSF 16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.97	5.13
	For 30' To 49' In Length Only, Add	2.77	
	For 50' To 69' In Length Only, Add	1.62	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.80	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.55	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.75	
	For Each SF Of 24 Gauge Wall Panel, Add	0.72	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.74	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049	GSF 18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.44	5.48
	For 30' To 49' In Length Only, Add	2.92	
	For 50' To 69' In Length Only, Add	1.71	
	For 70' To 99' In Length Only, Add	0.70	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.27	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.91	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.48	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.05	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.83	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.11	
	For Each SF Of 24 Gauge Wall Panel, Add	0.77	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.78	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050	GSF 20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	26.78	5.77
	For 30' To 49' In Length Only, Add	3.07	
	For 50' To 69' In Length Only, Add	1.80	
	For 70' To 99' In Length Only, Add	0.74	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.34	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.01	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.61	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.21	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.09	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.43	
	For Each SF Of 24 Gauge Wall Panel, Add	0.81	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.82	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051	GSF 24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	29.88	6.56
	For 30' To 49' In Length Only, Add	3.37	
	For 50' To 69' In Length Only, Add	1.97	
	For 70' To 99' In Length Only, Add	0.81	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.90	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.49	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.24	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.91	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.59	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.68	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.17	
	For Each SF Of 24 Gauge Wall Panel, Add	0.90	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.92	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0052	Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0053	Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.61	5.01
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.11	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.59	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.11	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.19	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.72	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.05	5.36
For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.73	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.25	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.77	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.38	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.53	
For Each SF Of 24 Gauge Wall Panel, Add	0.69	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.77	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	24.22	5.66
For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.82	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.36	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.91	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.60	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.81	
For Each SF Of 24 Gauge Wall Panel, Add	0.72	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.80	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	25.35	5.95
For >1 In 12 Slope To 3 In 12 Slope, Add	0.76	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.27	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.90	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.04	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.82	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.08	
For Each SF Of 24 Gauge Wall Panel, Add	0.75	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.84	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	27.46	6.46
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.37	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.68	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.22	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.81	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.90	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0052)		
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.00	4.43
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.40	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.80	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.80	
For Each SF Of 24 Gauge Wall Panel, Add	0.60	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.65	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0061	GSF		16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.29	4.72
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.64	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.06	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.60	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.08	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.55	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.05	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.11	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.64	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.69	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0062	GSF		18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.46	5.01
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.67	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.12	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.68	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.19	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.70	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.27	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.39	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.67	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.72	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0063	GSF		20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.45	5.25
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.70	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.17	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.76	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.29	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.81	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.46	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.63	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.70	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.75	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0064	GSF		24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	25.39	5.71
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.76	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.27	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.90	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.48	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.05	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.82	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.09	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.76	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.81	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0065			>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0052)</small>		
13 34 19 00-0066	GSF		14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.53	3.91
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.56	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.93	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.39	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.81	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.22	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.52	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.45	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.59	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0067	GSF		16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.42	4.09
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.58	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.97	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.46	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.89	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.33	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.69	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.66	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.59	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.61	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.44	4.31
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.61	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.02	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.53	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.99	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.45	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.88	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.91	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.64	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	21.32	4.49
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.64	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.07	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.60	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.08	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.56	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.05	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.12	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.64	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.66	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	23.09	4.90
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.69	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.15	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.73	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.25	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.77	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.39	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.54	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.70	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.71	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0052)</small>		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.05	3.74
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.54	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.90	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.35	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.76	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.17	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.43	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.33	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.55	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.56	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.77	3.91
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.56	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.94	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.41	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.83	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.25	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.57	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.50	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.57	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.59	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.64	4.09
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.59	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.98	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.47	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.91	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.36	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.73	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.71	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.60	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.61	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.46	4.26
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.61	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.02	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.53	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.99	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.46	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.89	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.91	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.63	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	22.19	4.61
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.67	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.11	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.66	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.16	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.66	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.22	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.33	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.67	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.67	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0077		Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078		Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		
13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.92	3.91
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.54	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.90	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.34	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.75	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.15	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.40	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.30	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.54	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.59	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.62	4.09
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.56	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.93	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.40	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.82	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.23	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.54	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.47	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.61	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	18.69	3.96
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.56	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.93	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.40	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.82	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.24	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.55	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.49	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.59	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	19.43	4.14
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.58	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.97	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.46	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.89	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.33	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.69	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.66	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.59	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.61	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	21.81	4.43
For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.64	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.13	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.62	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.14	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.23	
For Each SF Of 24 Gauge Wall Panel, Add	0.66	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.65	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.91	3.56
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.27	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.03	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.06	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.48	3.67
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.70	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.10	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.32	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.20	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.14	3.82
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.91	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.36	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.77	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.18	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.45	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.79	3.96
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.41	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.83	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.25	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.57	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.51	
For Each SF Of 24 Gauge Wall Panel, Add	0.57	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	21.14	4.26
For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.06	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.54	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.02	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.07	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.63	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0091)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small>		

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
13 34	19 00-0092	GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.23	3.39
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.49	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.81	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.22	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.58	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.95	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.08	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.90	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.49	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.52	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0093	GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.90	3.50
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.51	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.85	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.27	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.65	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.03	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.21	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.06	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.51	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.54	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0094	GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.47	3.61
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.52	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.87	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.31	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.70	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.10	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.32	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.19	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.53	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.55	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0095	GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.03	3.74
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.54	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.90	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.35	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.76	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.16	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.43	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.33	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.55	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.56	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0096	GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	20.39	4.09
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.61	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.02	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.53	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.99	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.45	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.87	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.89	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.62	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.61	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34	19 00-0097	>160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building		
		<small>(13 34 19 00-0090)</small>		
13 34	19 00-0098	GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.99	3.26
		<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.48	
		<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.80	
		<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.20	
		<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.56	
		<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.92	
		<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.04	
		<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.84	
		<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.49	
		<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
		<i>For Each SF Of Hip Roof, Add</i>	0.51	
		<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.56	3.39
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.61	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.99	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.97	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.17	3.50
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.86	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.29	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.67	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.06	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.26	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.12	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.54	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.75	3.61
For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.73	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.13	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.37	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.26	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	20.00	3.91
For >1 In 12 Slope To 3 In 12 Slope, Add	0.60	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.00	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.50	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.95	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.40	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.80	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.80	
For Each SF Of 24 Gauge Wall Panel, Add	0.61	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.78	3.15
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.89	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.00	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.79	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.49	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.25	3.26
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.58	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.95	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.90	
For Each SF Of 24 Gauge Wall Panel, Add	0.49	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.51	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106	GSF		18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	16.88 0.51 0.84 1.27 1.65 2.03 3.21 4.05 0.51 -0.76 0.52 -1.97	3.39
13 34 19 00-0107	GSF		20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	17.49 0.52 0.87 1.31 1.71 2.10 3.32 4.20 0.53 -0.76 0.54 -1.97	3.50
13 34 19 00-0108	GSF		24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding For >1 In 12 Slope To 3 In 12 Slope, Add For >3 In 12 Slope To 5 In 12 Slope, Add For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add For Each SF Of 24 Gauge Wall Panel, Add For Each SF Of Lap Roof, Deduct For Each SF Of Hip Roof, Add For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	19.75 0.59 0.99 1.48 1.93 2.37 3.75 4.74 0.61 -0.76 0.57 -1.97	3.79
13 34 19 00-0109			Metal Building Options (13 34 19 00-0001) Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.		
13 34 19 00-0110			Metal Framing For Rough Openings (13 34 19 00-0109) Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111	EA		Single Door, Metal Frame Rough Opening.....	465.51	130.59
13 34 19 00-0112	EA		Double Door, Metal Frame Rough Opening.....	698.68	169.07
13 34 19 00-0113	EA		10' x 10' Overhead Door, Metal Frame Rough Opening.....	807.86	160.33
13 34 19 00-0114	EA		12' x 12' Overhead Door, Metal Frame Rough Opening.....	869.58	163.24
13 34 19 00-0115	EA		14' x 14' Overhead Door, Metal Frame Rough Opening.....	921.57	169.07
13 34 19 00-0116	EA		Up To 12 SF, Window Opening, Metal Frame Rough Opening.....	449.79	130.59
13 34 19 00-0117	EA		>12 To 18 SF, Window Opening, Metal Frame Rough Opening.....	505.80	148.43
13 34 19 00-0118	LF		Additional Girts.....	12.61	
13 34 19 00-0119			Wall Panel Options For Metal Buildings (13 34 19 00-0109) Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120	SF		Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	14.28 0.24 0.12	
13 34 19 00-0121	SF		Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	17.39 0.24 0.12	
13 34 19 00-0122	SF		Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	20.16 0.24 0.12	
13 34 19 00-0123	SF		Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	23.35 0.24 0.12	
13 34 19 00-0124			Roofing Options For Metal Buildings (13 34 19 00-0109) Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF		Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof.....	1.53	
13 34 19 00-0126	SF		Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42..... Note: 24 gauge exterior and 24 gauge interior panels. For AZ-50 Aluminum-Zinc Coated Exterior, Add For Premium Exterior Colors, Add	24.77 0.24 0.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0127	SF		Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels. <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	26.35 0.24 0.12	
13 34 19 00-0128	SF		Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels. <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> <i>For Premium Exterior Colors, Add</i>	27.59 0.24 0.12	
13 34 19 00-0129	EA		3' x 10' Translucent Fiberglass Panels	193.37	50.14
13 34 19 00-0130	LF		Vented Ridge Vent For Standing Seam Roof	26.60	
13 34 19 00-0131 Insulation For Metal Buildings (13 34 19 00-0109)					
13 34 19 00-0132	SF		1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.32	0.37
13 34 19 00-0133	SF		2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.46	0.37
13 34 19 00-0134	SF		3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.64	0.49
13 34 19 00-0135	SF		3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.90	0.49
13 34 19 00-0136	SF		6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.36	0.49
13 34 19 00-0137	SF		1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.59	0.37
13 34 19 00-0138	SF		2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.73	0.37
13 34 19 00-0139	SF		3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.86	0.49
13 34 19 00-0140	SF		3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.06	0.49
13 34 19 00-0141	SF		6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.45	0.49
13 34 19 00-0142	SF		1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.51	0.37
13 34 19 00-0143	SF		2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.67	0.37
13 34 19 00-0144	SF		3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.97	0.49
13 34 19 00-0145	SF		3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.17	0.49
13 34 19 00-0146	SF		6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.53	0.49
13 34 19 00-0147	SF		2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.41	0.37
13 34 19 00-0148	SF		3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.49	0.37
13 34 19 00-0149	SF		4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.67	0.49
13 34 19 00-0150	SF		6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.07	0.49
13 34 19 00-0151	SF		2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.42	0.37
13 34 19 00-0152	SF		3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.51	0.37
13 34 19 00-0153	SF		4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.70	0.49
13 34 19 00-0154	SF		6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	2.12	0.49
13 34 19 00-0155	SF		2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.87	0.37
13 34 19 00-0156	SF		3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.99	0.37
13 34 19 00-0157	SF		4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.18	0.49
13 34 19 00-0158	SF		6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.60	0.49
13 34 19 00-0159 Eave And Overhang Options For Metal Buildings (13 34 19 00-0109)					
13 34 19 00-0160	LF		2' End Wall Roof Overhang And 26 Gauge Soffit	45.07	9.10
13 34 19 00-0161	LF		4' End Wall Roof Overhang And 26 Gauge Soffit	68.21	6.53
13 34 19 00-0162	SF		Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy..... Note: Up to 7' projection from wall. Includes finished underside and edges. <i>For End Braced (Up To 16' Wall Projection), Add</i> <i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	92.37 21.64 12.40	14.57
13 34 19 00-0163	SF		>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	77.17	12.24
			Note: Up to 7' projection from wall. Includes finished underside and edges. <i>For End Braced (Up To 16' Wall Projection), Add</i> <i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	18.07 10.35	
13 34 19 00-0164	SF		>50 SF, Prefinished Aluminum, Wall Hung Canopy	58.50	10.50
			Note: Up to 7' projection from wall. Includes finished underside and edges. <i>For End Braced (Up To 16' Wall Projection), Add</i> <i>For Overhead Braced (Up To 10' Wall Projection), Add</i>	13.58 7.73	
13 34 19 00-0165	SF		Up To 50 SF, Prefinished Aluminum, Free Standing Canopy..... Note: Includes finished underside and edges.	112.65	22.15
13 34 19 00-0166	SF		>50 SF, Prefinished Aluminum, Free Standing Canopy	75.73	13.41
			Note: Includes finished underside and edges.		
13 34 19 00-0167	LF		1' Standard Eave Overhang Without Soffit	49.24	
13 34 19 00-0168	LF		2' Standard Eave Overhang Without Soffit	61.69	
13 34 19 00-0169	LF		3' Standard Eave Overhang Without Soffit	74.30	
13 34 19 00-0170	LF		4' Standard Eave Overhang Without Soffit	86.75	
13 34 19 00-0171	LF		6' Standard Eave Overhang Without Soffit	111.70	
13 34 19 00-0172	LF		1' Standard Eave Overhang And 26 Gauge Soffit	66.04	
			<i>For 24 Gauge, Add</i>	7.67	
13 34 19 00-0173	LF		2' Standard Eave Overhang And 26 Gauge Soffit	82.67	
			<i>For 24 Gauge, Add</i>	9.67	
13 34 19 00-0174	LF		3' Standard Eave Overhang And 26 Gauge Soffit	99.39	
			<i>For 24 Gauge, Add</i>	11.59	
13 34 19 00-0175	LF		4' Standard Eave Overhang And 26 Gauge Soffit	116.11	
			<i>For 24 Gauge, Add</i>	13.50	
13 34 19 00-0176	LF		6' Standard Eave Overhang And 26 Gauge Soffit	148.61	
			<i>For 24 Gauge, Add</i>	17.40	
13 34 19 00-0177 Louvers And Vents For Metal Buildings (13 34 19 00-0109)					
13 34 19 00-0178	EA		4' x 3' Fixed Louver	702.99	181.90
13 34 19 00-0179	EA		12" Rotary Vent With Damper.....	426.08	116.61
13 34 19 00-0180	EA		20" Rotary Vent With Damper.....	756.71	155.67

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0181	EA		24" Rotary Vent With Damper.....	1,006.13	174.90
13 34 19 00-0182	EA		Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'.....	1,149.51	233.20
13 34 19 00-0183	EA		Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'.....	1,227.26	233.20
13 34 19 00-0184	EA		Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,430.80	233.20
13 34 19 00-0185	EA		Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,564.75	233.20
13 34 19 00-0186	EA		Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,712.09	233.20
13 34 19 00-0187	EA		Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen.....	1,859.43	233.20
13 34 19 00-0188	EA		Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen.....	2,444.84	291.50
13 34 19 00-0189	EA		Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen.....	2,685.94	291.50
13 34 19 00-0190			Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191	LF		Pre-Engineered Standard Type Gutter, Painted.....	11.60	2.91
			<i>For Galvanized Instead Of Painted, Deduct</i>	-1.44	
13 34 19 00-0192	LF		Pre-Engineered Standard Type Downspout, Painted.....	10.46	4.09
			<i>For Galvanized Instead Of Painted, Deduct</i>	-0.58	
13 34 23			Fabricated Structures (13 34)		
13 34 23 13			Portable and Mobile Buildings (13 34 23)		
13 34 23 13-0001			Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
			Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF		15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building.....	519.51	
13 34 23 13-0003	SF		30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building.....	445.63	
13 34 23 13-0004	SF		50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building.....	356.69	
13 34 23 13-0005	SF		80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building.....	282.22	
13 34 23 13-0006	SF		100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building.....	252.24	
13 34 23 13-0007			Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
			Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008	SF		Single Trailer Up To 14' x 73'.....	67.79	
			<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,427.28	
			<i>For Each Knock-Down And Pick-Up, Add</i>	1,147.28	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0009	SF		Modular Trailers, Connected.....	94.90	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
			<i>For Each Delivery And Set-Up (Block And Level), Add</i>	3,162.63	
			<i>For Each Knock-Down And Pick-Up, Add</i>	2,512.63	
13 34 23 13-0010	EA		Add Per Additional Exterior Door With Frame And Hardware.....	1,016.78	
13 34 23 13-0011			Accessories (13 34 23 13)		
13 34 23 13-0012			Skirting (13 34 23 13-0011)		
			Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013			Vinyl Covered, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0014	SF		1'-8" High Vinyl Covered Skirt.....	5.66	2.19
13 34 23 13-0015	SF		3' High Vinyl Covered Skirt.....	8.34	3.59
13 34 23 13-0016			Fiberglass, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0017	SF		1'-8" High Fiberglass Skirt.....	10.36	4.11
13 34 23 13-0018	SF		3' High Fiberglass Skirt.....	12.05	5.01
13 34 23 13-0019			Plywood, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0020	SF		1'-8" High 5/8" Plywood Skirt.....	9.82	4.36
13 34 23 13-0021	SF		3' High 5/8" Plywood Skirt.....	11.63	5.27
13 34 23 13-0022			Steel, Painted, Exterior Only (13 34 23 13-0012)		
13 34 23 13-0023	SF		1'-8" High 26 Gauge Steel Skirt.....	11.13	4.11
13 34 23 13-0024	SF		3' High 26 Gauge Steel Skirt.....	12.94	5.01
13 34 23 13-0025			14" x 14" Access Hatch (13 34 23 13-0011)		
			Note: Simple design.		
13 34 23 13-0026	EA		14" x 14" Vinyl Covered Access Hatch.....	279.94	96.43
13 34 23 13-0027	EA		14" x 14" Fiberglass Access Hatch.....	244.37	96.43
13 34 23 13-0028	EA		14" x 14" Plywood Access Hatch.....	278.02	96.43
13 34 23 13-0029	EA		14" x 14" 26 Gauge Steel Access Hatch.....	279.59	96.43
13 34 23 13-0030			Aluminum Modular Access Ramp (13 34 23 13-0011)		
			Note: Includes picketed guardrails, inside grabrails, legs and hardware.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0031 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp.....	3,702.91	32.11
13 34 23 13-0032 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp.....	3,741.44	41.75
13 34 23 13-0033 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	7,700.43	64.22
13 34 23 13-0034 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	8,297.11	64.22
13 34 23 13-0035 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	3,890.61	41.75
13 34 23 13-0036 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	3,852.08	32.11
13 34 23 13-0037 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	5,378.57	41.75
13 34 23 13-0038 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	3,817.89	41.75
13 34 23 13-0039 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	3,817.89	41.75
13 34 23 13-0040 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	4,345.57	41.75
13 34 23 13-0041 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	4,869.53	41.75
13 34 23 13-0042 Relocate Portable And Mobile Trailer <small>(13 34 23 13)</small>		
<small>Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0077 for escort vehicle, 13 34 23 13-0012 for skirting, 26 05 46 00-0060 for anchors.</small>		
13 34 23 13-0043 EA Prepare, Up To 12' Wide, Single Trailer For Transporstation	910.86	
<small>Note: Includes securing interior, mounting tires, and mounting trailer hitch</small>		
13 34 23 13-0044 EA Separate, 24' Wide Double Trailer And Prepare For Transporstation.....	4,341.75	
<small>Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.</small>		
13 34 23 13-0045 EA Remove Blocking From 8' Wide x Up To 35' Long Trailer	400.78	
<small>Note: Per trailer</small>		
13 34 23 13-0046 EA Remove Blocking From 10' Wide x 40' To 50' Long Trailer	510.08	
<small>Note: Per trailer</small>		
13 34 23 13-0047 EA Remove Blocking From 12' Wide x 45' To 60' Long Trailer	619.39	
<small>Note: Per trailer</small>		
13 34 23 13-0048 EA Remove Blocking From 24' Wide x 45' To 60' Long Trailer	1,238.78	
<small>Note: Per trailer</small>		
13 34 23 13-0049 MI Transportation And Delivery Of Trailer	19.33	
<small>See CSI section 01 22 20 00-0078 for escort vehicle service (when required).</small>		
13 34 23 13-0050 EA Re-connect 24' Wide Double Trailer	9,097.56	
<small>Note: Includes removal of temporary plastic and boards, caulking, installtion of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0053 for blocking and leveling of each section.</small>		
13 34 23 13-0051 EA Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long	500.98	
<small>Note: Per trailer</small>		
13 34 23 13-0052 EA Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long	637.61	
<small>Note: Per trailer</small>		
13 34 23 13-0053 EA Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long	774.24	
<small>Note: Per trailer</small>		
13 34 23 13-0054 EA Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long	1,548.47	
<small>Note: Per trailer</small>		
13 34 23 13-0055 EA Connection Straps To Anchor.....	22.77	
<small>Note: Includes straps per each anchor See CSI section 26 05 46 00-0060 for anchors.</small>		
13 34 23 14 Fabricated Classroom Buildings <small>(13 34 23)</small>		
13 34 23 14-0001 Semi Permanent Modular Transportable Buildings <small>(13 34 23 14)</small>		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	101.00	
<small>For Each Anchoring Into Asphalt Or Concrete, Add</small>		
	110.00	
<small>For Each Delivery And Set-Up (Block And Level), Add</small>		
	3,162.63	
<small>For Each Knock-Down And Pick-Up, Add</small>		
	2,512.63	
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room.....	103.99	
<small>For Each Anchoring Into Asphalt Or Concrete, Add</small>		
	110.00	
<small>For Each Delivery And Set-Up (Block And Level), Add</small>		
	3,162.63	
<small>For Each Knock-Down And Pick-Up, Add</small>		
	2,512.63	
13 34 23 16 Fabricated Control Booths <small>(13 34 23)</small>		
13 34 23 16-0001 Fabricated Parking Attendant Booths <small>(13 34 23 16)</small>		
<small>Note: Excludes foundations and slab.</small>		
13 34 23 16-0002 EA Parking Booth For Attendant	1,743.25	
13 34 23 31 Fabricated Pavilion Style Buildings <small>(13 34 23)</small>		
13 34 23 31-0001 Pavilion Style Metal Shelter Structures <small>(13 34 23 31)</small>		
<small>Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.</small>		
13 34 23 31-0002 EA 12' x 12' Pavilion Style Metal Shelter Structure.....	11,894.97	2,235.93
13 34 23 31-0003 EA 16' x 16' Pavilion Style Metal Shelter Structure.....	13,992.72	2,333.17
13 34 23 31-0004 EA 16' x 32' Pavilion Style Metal Shelter Structure.....	17,887.35	2,488.72
13 34 23 31-0005 EA 20' x 20' Pavilion Style Metal Shelter Structure.....	16,795.36	2,410.94
13 34 23 31-0006 EA 20' x 30' Pavilion Style Metal Shelter Structure.....	20,806.00	2,644.26
13 34 23 31-0007 EA 20' x 40' Pavilion Style Metal Shelter Structure.....	24,828.32	2,722.04
13 34 23 31-0008 EA 24' x 24' Pavilion Style Metal Shelter Structure.....	20,572.29	2,488.72
13 34 23 31-0009 EA 24' x 48' Pavilion Style Metal Shelter Structure.....	29,072.61	3,110.89
13 34 23 31-0010 EA 30' x 30' Pavilion Style Metal Shelter Structure.....	27,938.33	3,110.89
13 34 23 31-0011 EA 30' x 60' Pavilion Style Metal Shelter Structure.....	55,770.02	3,888.62
13 34 23 31-0012 EA 40' x 40' Pavilion Style Metal Shelter Structure.....	51,510.16	4,859.90

13	13 Special Construction
	13 30 Special Structures
	13 34 Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 23 31-0013 EA 40' x 60' Pavilion Style Metal Shelter Structure.....	74,748.68	5,444.07
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13 40 Integrated Construction ⁽¹³⁾

13 42 Building Modules ^(13 40)

13 42 63 Detention Cell Modules ^(13 42)

13 42 63 16 Steel Detention Cell Modules ^(13 42 63)

13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide.....	14,334.90	880.79
Note: With hardware.		
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot.....	35,018.10	1,179.40
Note: Not including plumbing.		
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers.....	147.59	8.35
Note: Includes 12 gauge steel frame and concealment plates.		
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels.....	110.09	8.35
Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.		
13 42 63 16-0005 SF Perforated Metal Crime Shield.....	107.64	3.45

13 46 Lightning Protection Systems ^(13 40)

13 46 13 Lightning Protection for Structures ^(13 46)

13 46 13 00-0001 Lightning Protection ^(13 46 13)

See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection ^(13 46 13 00-0001)

13 46 13 00-0003 Copper Lightning Protection Air Terminals ^(13 46 13 00-0002)

13 46 13 00-0004 EA 3/8" x 10" Copper Lightning Protection Air Terminal.....	69.84	12.24
13 46 13 00-0005 EA 1/2" x 12" Copper Lightning Protection Air Terminal.....	86.87	12.24
13 46 13 00-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal.....	112.95	12.24
13 46 13 00-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal.....	125.61	12.24
13 46 13 00-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal.....	243.49	24.49

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals ^(13 46 13 00-0002)

13 46 13 00-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal.....	85.34	12.24
13 46 13 00-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal.....	108.67	12.24
13 46 13 00-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal.....	138.96	12.24
13 46 13 00-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal.....	154.32	12.24
13 46 13 00-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal.....	302.55	24.49

13 46 13 00-0015 Terminal Bases For Lightning Protection ^(13 46 13 00-0001)

13 46 13 00-0016 Copper Lightning Protection Terminal Bases ^(13 46 13 00-0015)

13 46 13 00-0017 EA Adhesive Base For Copper Lightning Protection Terminal.....	95.60	36.73
13 46 13 00-0018 EA Bolted Base For Copper Lightning Protection Terminal.....	126.72	48.98
13 46 13 00-0019 EA Hinged Base For Copper Lightning Protection Terminal.....	170.73	61.22
13 46 13 00-0020 EA Side Mounted Base For Copper Lightning Protection Terminal.....	126.72	48.98
13 46 13 00-0021 EA Offset Point Support For Copper Lightning Protection Terminal.....	135.04	48.98
13 46 13 00-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal.....	239.88	97.95
13 46 13 00-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal.....	168.55	61.22
13 46 13 00-0024 EA Intermediate Base For Copper Lightning Protection Terminal.....	95.60	36.73

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases ^(13 46 13 00-0015)

13 46 13 00-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal.....	101.03	36.73
13 46 13 00-0027 EA Bolted Base For Aluminum Lightning Protection Terminal.....	134.13	48.98
13 46 13 00-0028 EA Hinged Base For Aluminum Lightning Protection Terminal.....	182.87	61.22
13 46 13 00-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal.....	134.66	48.98
13 46 13 00-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal.....	142.05	48.98
13 46 13 00-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	256.09	97.95
13 46 13 00-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	179.79	61.22
13 46 13 00-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal.....	101.03	36.73

13 46 13 00-0034 Connectors ^(13 46 13 00-0001)

13 46 13 00-0035 Copper Cable Connectors ^(13 46 13 00-0034)

13 46 13 00-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System.....	192.74	61.22
13 46 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System.....	262.35	97.95
13 46 13 00-0038 EA Beam Connector For Copper Lightning Protection System.....	172.24	61.22
13 46 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System.....	41.25	12.24
13 46 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System.....	42.33	12.24
13 46 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal.....	128.63	36.73



Special Construction	13	13
Integrated Construction	13 40	
Lightning Protection Systems	13 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0042 Aluminum Cable Connectors <small>(13 46 13 00-0034)</small>		
13 46 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System.....	205.57	61.22
13 46 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	286.44	97.95
13 46 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System.....	189.73	61.22
13 46 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System.....	46.34	12.24
13 46 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal.....	136.81	36.73
13 46 13 00-0048 Bonding Plates <small>(13 46 13 00-0001)</small>		
13 46 13 00-0049 Copper Bonding Plates <small>(13 46 13 00-0048)</small>		
13 46 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	152.43	61.22
13 46 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	157.51	61.22
13 46 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System.....	231.75	97.95
13 46 13 00-0053 Aluminum Bonding Plates <small>(13 46 13 00-0048)</small>		
13 46 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	155.42	61.22
13 46 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	163.86	61.22
13 46 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System.....	234.44	97.95
13 46 13 00-0057 Cable Supports <small>(13 46 13 00-0001)</small>		
13 46 13 00-0058 Copper Cable Supports <small>(13 46 13 00-0057)</small>		
13 46 13 00-0059 EA Loop Fastener, Copper Cable Supports For Lightning Protection System.....	28.10	12.24
13 46 13 00-0060 EA Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	28.67	12.24
13 46 13 00-0061 Aluminum Cable Supports <small>(13 46 13 00-0057)</small>		
13 46 13 00-0062 EA Loop Fastener, Aluminum Cable Supports For Lightning Protection System.....	27.64	12.24
13 46 13 00-0063 EA Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	27.45	12.24
13 46 13 00-0064 Bonding Straps <small>(13 46 13 00-0001)</small>		
13 46 13 00-0065 Copper Bonding Straps <small>(13 46 13 00-0064)</small>		
13 46 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System.....	80.32	36.73
13 46 13 00-0067 Aluminum Bonding Straps <small>(13 46 13 00-0064)</small>		
13 46 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	83.08	36.73
13 46 13 00-0069 Accessories For Lightning Protection <small>(13 46 13 00-0001)</small>		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070 Copper Adapters <small>(13 46 13 00-0069)</small>		
13 46 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System.....	31.12	6.12
13 46 13 00-0072 Aluminum Adapters <small>(13 46 13 00-0069)</small>		
13 46 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System.....	41.67	6.12
13 46 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System.....	194.86	61.22
13 47 Facility Protection <small>(13 40)</small>		
13 47 13 Cathodic Protection <small>(13 47)</small>		
13 47 13 13 Cathodic Protection for Underground and Submerged Piping <small>(13 47 13)</small>		
13 47 13 13-0001 Anodes <small>(13 47 13 13)</small>		
13 47 13 13-0002 Magnesium Type, Conventional <small>(13 47 13 13-0001)</small>		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	401.51	176.27
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	595.21	254.77
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	811.22	327.76
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	1,154.55	458.58
13 47 13 13-0007 Graphite Type <small>(13 47 13 13-0001)</small>		
Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap.....	601.15	248.39
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap.....	934.88	346.85
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap.....	701.48	217.06
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap.....	1,073.02	289.78
13 47 13 13-0012 Rectifiers <small>(13 47 13 13)</small>		

13 Special Construction**13 40 Integrated Construction****13 47 Facility Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0013 Air Cooled, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,125.07	352.64
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,302.21	352.64
13 47 13 13-0016 Oil Immersed, Silicon Type <small>(13 47 13 13-0012)</small>		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,218.27	407.74
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,408.06	407.74
13 47 13 13-0019 Anode Backfill <small>(13 47 13 13)</small>		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze	1.17	0.45
13 47 13 13-0021 Cathodic Protection Cable <small>(13 47 13 13)</small>		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	2,306.31	868.23
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	2,558.91	868.23
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	2,937.81	868.23
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	3,569.31	868.23
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	4,435.85	956.63
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	4,909.48	956.63
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	5,698.86	956.63
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	7,764.90	1,042.78
13 47 13 13-0030 Cathodic Test Stations <small>(13 47 13 13)</small>		
13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box <small>(13 47 13 13-0030)</small>		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	307.78	101.63
13 47 13 16 Cathodic Protection for Underground Storage Tanks <small>(13 47 13)</small>		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48 Sound, Vibration, and Seismic Control <small>(13 40)</small>		
13 48 63 Fabricated Seismic Control Assemblies <small>(13 48)</small>		
13 48 63 00-0001 Seismic Bracing Assembly <small>(13 48 63)</small>		
13 48 63 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace.....	185.82	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	178.83	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	265.24	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	342.01	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	353.40	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	522.25	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	691.12	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener	232.48	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener	340.87	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener	449.29	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012 Seismic Brace Components <small>(13 48 63)</small>		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1)	34.24	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2)	47.46	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3)	63.34	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4)	87.11	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor (Mason SSB-1).....	32.08	
Note: To be used with angle or channel.		
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor (Mason SSB-2).....	43.72	
Note: To be used with angle or channel.		
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor (Mason SSB-3).....	57.85	
Note: To be used with angle or channel.		
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor (Mason SSB-4).....	78.63	
Note: To be used with angle or channel.		
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1).....	39.15	
Note: To be used with 7x19 stranded cable.		
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2).....	52.03	
Note: To be used with 7x19 stranded cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3)..... Note: To be used with 7x19 stranded cable.	72.81	
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	69.49	
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	98.16	
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	134.32	
13 48 63 00-0027 EA Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	29.22	
13 48 63 00-0028 EA Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	35.87	
13 48 63 00-0029 EA Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	45.01	
13 48 63 00-0030 Seismic Restraints <small>(13 48 63)</small>		
13 48 63 00-0031 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	5.61	1.27
13 48 63 00-0032 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.33	0.64
13 48 63 00-0033 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole..... Note: Adhesive applied.	7.33	1.59
13 48 63 00-0034 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.52	0.80
13 48 63 00-0035 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.00	0.93
13 48 63 00-0036 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied	11.72	1.12
13 48 63 00-0037 LF 3/4" Wide Seismic Strap, Gray	5.02	0.96
13 48 63 00-0038 LF 1" Wide Seismic Strap, Gray	7.34	0.96
13 48 63 00-0039 EA 3/4" Wide x 4" Long Seismic Strap, Gray.....	2.42	0.64
13 48 63 00-0040 EA 3/4" Wide x 12" Long Seismic Strap, Gray.....	10.88	1.92
13 48 63 00-0041 LF Seismic Chord, Black.....	3.03	0.96
13 48 63 00-0042 LF SAFELOK Seismic Fastener, Black.....	4.01	0.96
13 49 Radiation Protection <small>(13 49)</small>		
13 49 13 Integrated X-Ray Shielding Assemblies <small>(13 49)</small>		
13 49 13 00-0001 Lead Shielding <small>(13 49 13)</small> See CSI section 09 29 10 00-0036 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding	51.28	7.66
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding	88.53	8.30
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding	159.36	8.93
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding	305.88	11.48
13 49 16 Modular X-Ray Shielding Rooms <small>(13 49)</small>		
13 49 16 00-0001 X-Ray Barriers, Modular <small>(13 49 16)</small> Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small>		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,506.64	165.24
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,094.86	165.24
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,396.22	198.29
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	11,102.08	198.29
13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small>		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	20,410.43	264.38
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	21,233.94	264.38
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	21,888.31	297.43
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	23,601.35	330.48
13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers <small>(13 49 16 00-0001)</small>		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	31,012.86	330.48
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	32,542.22	330.48
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	33,262.63	396.56
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	35,681.47	429.61
13 49 16 00-0017 X-Ray Barriers, Mobile <small>(13 49 16)</small> Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small> Note: Includes Framework		
13 49 16 00-0019 EA 24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	6,534.18	31.90
13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small> Note: Includes Framework		

13 Special Construction**13 40 Integrated Construction****13 49 Radiation Protection**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers		11,592.83	31.90
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers		13,945.70	31.90
13 49 16 00-0023		72" Wide x 75" High, Mobile X-Ray Barriers <small>(13 49 16 00-0017)</small>			
		Note: Includes Framework			
13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers		13,710.41	31.90
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers		17,357.35	31.90
13 49 19		Lead-Lined Materials <small>(13 49)</small>			
13 49 19 16		Lead-Lined Drywall <small>(13 49 19)</small>			
13 49 19 16-0001		Lead Lined Drywall <small>(13 49 19 16)</small>			
		See CSI section 09 29 10 00-0036 for finishing tasks.			
13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall		27.84	1.68
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall		49.79	2.01
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall		92.06	2.41

END OF SECTION 13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation and Maintenance of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	617.71	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	823.60	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	514.75	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	514.75	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	308.85	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	201.53	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	251.92	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,468.51	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,835.64	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	734.26	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,652.08	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,101.39	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,569.90	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,937.03	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,202.77	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,753.46	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,468.51	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,297.50	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,584.69	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,297.50	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,297.50	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,297.50	

14 01 20 71-0024 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	42,124.33	9,079.45
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	9,604.95	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	10,327.66	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	45,457.91	10,970.99
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	9,698.95	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	10,933.84	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	53,974.53	12,484.24
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		<i>For Union-Guard Cathodic Protection, Add</i>	11,203.03	
		<i>Note: Includes Pump.</i>		
		<i>For An Additional Stop, Add</i>	13,882.41	
		<i>Note: Includes Removal.</i>		
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	5,655.68	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	76.24	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	840.10	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	4,408.29	756.62
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	3,738.22	756.62
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	8,173.72	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	8,925.76	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	8,656.91	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	9,408.95	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring	93.07	21.62
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring	79.72	21.62
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	14.27	2.84
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,402.65	567.47
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	20,726.91	3,168.35
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,534.58	756.62
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	473.91	189.16
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	462.91	378.31
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	639.58	331.02
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,048.43	756.62
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	635.71	349.93

14 Conveying Equipment
14 01 Operation and Maintenance of Conveying Equipment
14 01 20 Operation and Maintenance of Elevators



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048 EA Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL).....	462.91	378.31
14 01 20 71-0049 EA Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing).....	782.53	378.31
14 01 20 71-0050 EA Fire Service Key Switch Controller	3,980.75	756.62
14 01 20 71-0051 EA ADA Telephone (Rath Microtech)	1,252.77	378.31
14 01 20 71-0052 EA Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing).....	8,995.57	1,513.24
14 01 20 71-0053 EA Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing).....	9,710.01	1,513.24
14 01 20 71-0054 EA Car Door Safety Edge (Infrared Proximity Type Edge).....	2,813.93	378.31
14 01 20 71-0055 EA Car Operating Panel (ADA, Fire, Position, Chime)	9,503.19	1,513.24
14 01 20 71-0056 EA Car Position LED Indicator And Cover Plate, Stainless Steel	2,025.69	378.31
14 01 20 71-0057 EA Car Traveling Lanterns With Audible Signal	1,755.36	378.31
14 01 20 71-0058 EA Hoistway Door Jamb Floor Tags (Braille)	256.84	189.16
14 01 20 71-0059 EA Lobby Vandal Resistant Call Station	1,651.96	378.31
14 01 20 71-0060 LF Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	21.73	
Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0061 EA Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial).....	6,052.97	3,026.48
Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.		
14 01 20 71-0062 LF Governor Cable	1.69	
Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0063 EA Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	6,784.39	756.62
14 01 20 71-0064 EA Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	9,792.55	756.62
14 01 20 71-0065 EA Removal And Replacement Of Governor.....	5,691.64	756.62
14 01 20 71-0066 EA Removal And Replacement Of Car Station.....	9,051.97	1,513.24
14 01 20 71-0067 EA Removal And Replacement Of Telephone.....	1,896.37	378.31
14 01 20 71-0068 EA Removal And Replacement Of Hall Lanterns	1,414.66	378.31
14 01 20 71-0069 EA Hall Call Buttons, Vandal Resistant	1,132.64	378.31
14 01 20 71-0070 EA Hall Traveling Lanterns With Audible Signal	1,792.97	378.31
14 01 20 71-0071 EA Add Raised Character (Braille) Signage To Control Panel	211.16	189.16
14 01 20 71-0072 EA New Microprocessor Based Controller (Non-Proprietary).....	48,373.54	6,052.97
14 01 20 71-0073 EA New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab.....	27,880.45	6,052.97
14 01 20 71-0074 EA New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	43,333.91	6,052.97
14 01 20 71-0075 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,510.73	
14 01 20 71-0076 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	3,717.54	
14 01 20 71-0077 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	3,945.03	
14 01 20 71-0078 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	4,193.20	
14 01 20 71-0079 EA Elevator Pit Ladder, Steel	3,303.92	378.31
Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0080 EA New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	53,880.79	6,052.97
14 01 20 71-0081 LF Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	138.83	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082 LF Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7	148.00	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083 LF Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	154.27	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0084 EA Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	9,842.90	756.62
14 01 20 71-0085 EA 6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	3,961.95	756.62
Note: Cladding typically done by metal company.		
14 01 20 71-0086 EA 8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,055.96	756.62
Note: Cladding typically done by metal company.		
14 01 20 71-0087 EA 10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,149.96	756.62
Note: Cladding typically done by metal company.		
14 01 20 71-0088 EA 12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,262.77	756.62
Note: Cladding typically done by metal company.		
14 01 20 71-0089 EA "Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	8,850.21	756.62
14 01 20 71-0090 EA "Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	8,850.21	756.62
14 01 20 71-0091 EA "Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	12,610.41	756.62
14 01 20 71-0092 EA "Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	14,490.51	756.62
14 01 20 71-0093 EA 60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	5,208.65	191.98
14 01 20 71-0094 EA 100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	5,442.84	230.38
14 01 20 71-0095 EA 200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	7,198.87	268.77
14 01 20 71-0096 EA Aluminum Handrail Spacers With Set Screw	228.21	189.16
14 01 20 71-0097 EA Bronze Handrail Spacers With Set Screw	233.42	189.16
14 01 20 71-0098 LF 1/2" x 2" Round Stainless Steel Elevator Handrail.....	157.64	44.51
14 01 20 71-0099 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	151.51	44.51
14 01 20 71-0100 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	180.17	44.51
14 01 20 71-0101 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	199.57	44.51
14 01 20 71-0102 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	228.45	44.51
14 01 20 71-0103 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	183.78	44.51
14 01 20 71-0104 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	209.27	44.51
14 01 20 71-0105 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	326.25	44.51
14 01 20 71-0106 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	366.71	44.51
14 01 20 71-0107 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	150.54	44.51
14 01 20 71-0108 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	152.10	44.51
14 01 20 71-0109 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	194.46	44.51
14 01 20 71-0110 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	181.97	44.51
14 01 20 71-0111 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	195.28	44.51
14 01 20 71-0112 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	244.94	44.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	188.29	44.51
14 01 20 71-0114 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	192.58	44.51
14 01 20 71-0115 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	323.21	44.51
14 01 20 71-0116 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	211.75	44.51
14 01 20 71-0117 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	324.03	44.51
14 01 20 71-0118 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	366.71	44.51

14 01 30 Operation and Maintenance of Escalators and Moving Walks ⁽¹⁴⁾

14 01 30 71 Escalators and Moving Walks Rehabilitation ^(14 01 30)

14 01 30 71-0001 Maintenance ^(14 01 30 71)		
14 01 30 71-0002	EA Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	848.24
14 01 30 71-0003	HR Escalator Servicing, Labor Only	201.53
14 01 30 71-0004	EA Acceptance Test Of Escalators And Moving Walks	4,665.32
14 01 30 71-0005 Modernization ^(14 01 30 71)		
14 01 30 71-0006	EA Removal And Replacement Of 28" Wide Escalator Stair Tread	2,067.13
14 01 30 71-0007	EA Removal And Replacement Of 36" Wide Escalator Stair Tread	2,214.31
14 01 30 71-0008	EA Removal And Replacement Of 48" Wide Escalator Stair Tread	2,322.23
14 01 30 71-0009	EA Removal And Replacement Of 54" Wide Escalator Stair Tread	2,504.16
14 01 30 71-0010	LF Removal And Replacement Of Sliding Handrail	194.21

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)		
Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.		
14 21 13 00-0002	EA Electric Traction Freight Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings	346,529.74
	For Each Opening With Bonderized Steel Door, Add	276.94
	For Each Opening With Stainless Steel Doors, Add	692.35
	For Each Opening With Two Speed Doors, Add	830.82
	For Custom Plastic Laminated Cab Interiors, Add	3,672.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00
	For Stainless Steel Cab Interior, Add	7,344.00
	For Elevator With Manual Door, Deduct	-10,000.00
	For Class "C-1" Loading, Add	1,529.39
	For Class "C-2" Loading, Add	1,836.00
	For Class "C-3" Loading, Add	2,511.65
	For Removal Of Existing Stop, Add	9,314.87
	For Each Additional Stop, Add	36,139.16
	For Each Floor < 6 Stops, Deduct	-31,465.33
	For Each Additional 50 FPM, Add	5,508.00
	For Removal Of Existing Elevator, Add	46,574.32
14 21 13 00-0003	EA Electric Traction Freight Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings	367,034.37
	For Each Opening With Bonderized Steel Door, Add	276.94
	For Each Opening With Stainless Steel Doors, Add	692.35
	For Each Opening With Two Speed Doors, Add	830.82
	For Custom Plastic Laminated Cab Interiors, Add	3,672.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00
	For Stainless Steel Cab Interior, Add	7,344.00
	For Elevator With Manual Door, Deduct	-10,000.00
	For Class "C-1" Loading, Add	3,058.78
	For Class "C-2" Loading, Add	3,672.00
	For Class "C-3" Loading, Add	5,089.39
	For Removal Of Existing Stop, Add	9,314.87
	For Each Additional Stop, Add	36,139.16
	For Each Floor < 6 Stops, Deduct	-31,465.33
	For Each Additional 50 FPM, Add	5,508.00
	For Removal Of Existing Elevator, Add	46,574.32
14 21 13 00-0004	EA Electric Traction Freight Elevator, 6,000 LB x 200 FPM, 6 Stops, 6 Openings	388,995.15
	For Elevator With Manual Door, Deduct	-10,000.00
	For Class "C-1" Loading, Add	3,058.78
	For Class "C-2" Loading, Add	3,672.00
	For Class "C-3" Loading, Add	5,089.39
	For Custom Plastic Laminated Cab Interiors, Add	4,590.00
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00
	For Stainless Steel Cab Interior, Add	8,262.00
	For Removal Of Existing Stop, Add	9,314.87
	For Each Additional Stop, Add	37,057.16
	For Each Additional 50 FPM, Add	5,508.00
	For Each Opening With Bonderized Steel Door, Add	275.40
	For Each Opening With Stainless Steel Doors, Add	550.80
	For Each Opening With Two Speed Doors, Add	688.50
	For Removal Of Existing Elevator, Add	46,574.32
	For Each Floor < 6 Stops, Deduct	-32,465.33

14 Conveying Equipment

14 20 Elevators

14 21 Electric Traction Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21	13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM, 6 Stops, 6 Openings.....	398,432.92	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-1" Loading, Add</i>	3,058.78	
			<i>For Class "C-2" Loading, Add</i>	3,672.00	
			<i>For Class "C-3" Loading, Add</i>	5,089.39	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,590.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,426.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,262.00	
			<i>For Removal Of Existing Stop, Add</i>	9,314.87	
			<i>For Each Additional Stop, Add</i>	37,057.16	
			<i>For Each Additional 50 FPM, Add</i>	5,508.00	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	275.40	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	550.80	
			<i>For Each Opening With Two Speed Doors, Add</i>	688.50	
			<i>For Removal Of Existing Elevator, Add</i>	46,574.32	
			<i>For Each Floor < 6 Stops, Deduct</i>	-32,465.33	
14 21	13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM, 6 Stops, 6 Openings.....	410,781.33	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	13,847.00	
			<i>For Class "C-1" Loading, Add</i>	6,119.39	
			<i>For Class "C-2" Loading, Add</i>	7,344.00	
			<i>For Class "C-3" Loading, Add</i>	10,046.59	
			<i>For Removal Of Existing Stop, Add</i>	9,314.87	
			<i>For Each Additional Stop, Add</i>	37,057.16	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	367.20	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	642.60	
			<i>For Each Opening With Two Speed Doors, Add</i>	780.30	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,508.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,344.00	
			<i>For Stainless Steel Cab Interior, Add</i>	9,180.00	
			<i>For Removal Of Existing Elevator, Add</i>	46,574.32	
			<i>For Each Floor < 6 Stops, Deduct</i>	-32,465.33	
14 21	13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM, 6 Stops, 6 Openings.....	424,957.11	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	13,847.00	
			<i>For Class "C-1" Loading, Add</i>	6,119.39	
			<i>For Class "C-2" Loading, Add</i>	7,344.00	
			<i>For Class "C-3" Loading, Add</i>	10,046.59	
			<i>For Removal Of Existing Stop, Add</i>	9,314.87	
			<i>For Each Additional Stop, Add</i>	37,057.16	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	367.20	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	642.60	
			<i>For Each Opening With Two Speed Doors, Add</i>	780.30	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,508.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,344.00	
			<i>For Stainless Steel Cab Interior, Add</i>	9,180.00	
			<i>For Removal Of Existing Elevator, Add</i>	46,574.32	
			<i>For Each Floor < 6 Stops, Deduct</i>	-32,465.33	
14 21	13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM, 6 Stops, 6 Openings.....	436,929.08	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional 50 FPM, Add</i>	13,847.00	
			<i>For Class "C-1" Loading, Add</i>	6,119.39	
			<i>For Class "C-2" Loading, Add</i>	7,344.00	
			<i>For Class "C-3" Loading, Add</i>	10,046.59	
			<i>For Removal Of Existing Stop, Add</i>	9,314.87	
			<i>For Each Additional Stop, Add</i>	37,057.16	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	367.20	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	642.60	
			<i>For Each Opening With Two Speed Doors, Add</i>	780.30	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,508.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,344.00	
			<i>For Stainless Steel Cab Interior, Add</i>	9,180.00	
			<i>For Removal Of Existing Elevator, Add</i>	46,574.32	
			<i>For Each Floor < 6 Stops, Deduct</i>	-32,465.33	

14 21 23 Electric Traction Passenger Elevators (14 21)

14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)

14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21	23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM, 6 Stops, 6 Openings.....	261,989.64	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Stop, Add</i>	4,657.43	
			<i>For Each Additional Stop, Add</i>	36,139.16	
			<i>For Each Floor < 6 Stops, Deduct</i>	-21,643.58	
			<i>For Removal Of Existing Elevator, Add</i>	34,930.75	



Conveying Equipment	14
Elevators	14 20
Electric Traction Elevators	14 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003 EA Electric Traction Passenger Elevator, 2,500 LB x 200 FPM, 6 Stops, 6 Openings.....	268,870.74	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Stop, Add	4,657.43	
For Each Additional Stop, Add	36,139.16	
For Each Floor < 6 Stops, Deduct	-21,643.58	
For Removal Of Existing Elevator, Add	34,930.75	
14 21 23 13-0004 EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM, 6 Stops, 6 Openings.....	274,594.65	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Stop, Add	4,657.43	
For Each Additional Stop, Add	36,139.16	
For Each Floor < 6 Stops, Deduct	-21,643.58	
For Removal Of Existing Elevator, Add	34,930.75	
14 21 23 13-0005 EA Electric Traction Passenger Elevator, 3,500 LB x 200 FPM, 6 Stops, 6 Openings.....	278,825.63	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Stop, Add	4,657.43	
For Each Additional Stop, Add	36,139.16	
For Each Floor < 6 Stops, Deduct	-21,643.58	
For Removal Of Existing Elevator, Add	34,930.75	
14 21 23 13-0006 EA Electric Traction Passenger Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings.....	284,180.07	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Stop, Add	4,657.43	
For Each Additional Stop, Add	36,139.16	
For Each Floor < 6 Stops, Deduct	-21,643.58	
For Removal Of Existing Elevator, Add	34,930.75	
14 21 23 13-0007 EA Electric Traction Passenger Elevator, 4,500 LB x 200 FPM, 6 Stops, 6 Openings.....	289,545.64	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Stop, Add	4,657.43	
For Each Additional Stop, Add	36,139.16	
For Each Floor < 6 Stops, Deduct	-21,643.58	
For Removal Of Existing Elevator, Add	34,930.75	
14 21 23 13-0008 EA Electric Traction Passenger Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings.....	295,049.65	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Stop, Add	4,657.43	
For Each Additional Stop, Add	36,139.16	
For Each Floor < 6 Stops, Deduct	-21,643.58	
For Removal Of Existing Elevator, Add	34,930.75	

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
14 24	13 00-0002	EA Hydraulic Freight Elevator, 3,000 LB x 50 FPM, 3 Stops, 3 Openings.....	215,822.18	
		For Each Additional Stop, Add	26,371.95	
		For 2 Stops, Deduct	-16,075.22	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,529.39	
		For Class "C-2" Loading, Add	1,836.00	
		For Class "C-3" Loading, Add	2,511.65	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,314.87	
		For Removal Of Existing Elevator, Add	23,287.16	
14 24	13 00-0003	EA Hydraulic Freight Elevator, 3,500 LB x 50 FPM, 3 Stops, 3 Openings.....	222,741.00	
		For Each Additional Stop, Add	26,371.95	
		For 2 Stops, Deduct	-16,075.22	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,529.39	
		For Class "C-2" Loading, Add	1,836.00	
		For Class "C-3" Loading, Add	2,511.65	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,314.87	
		For Removal Of Existing Elevator, Add	23,287.16	
14 24	13 00-0004	EA Hydraulic Freight Elevator, 4,000 LB x 50 FPM, 3 Stops, 3 Openings.....	229,360.80	
		For Each Additional Stop, Add	26,371.95	
		For 2 Stops, Deduct	-16,075.22	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,529.39	
		For Class "C-2" Loading, Add	1,836.00	
		For Class "C-3" Loading, Add	2,511.65	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,314.87	
		For Removal Of Existing Elevator, Add	23,287.16	
14 24	13 00-0005	EA Hydraulic Freight Elevator, 5,000 LB x 50 FPM, 3 Stops, 3 Openings.....	235,772.74	
		For Each Opening With Bonderized Steel Door, Add	276.94	
		For Each Opening With Stainless Steel Doors, Add	692.35	
		For Each Opening With Two Speed Doors, Add	830.82	
		For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
		For Stainless Steel Cab Interior, Add	7,344.00	
		For Each Additional 50 FPM, Add	2,769.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	27,756.65	
		For 2 Stops, Deduct	-17,075.22	
		For Class "C-1" Loading, Add	3,058.78	
		For Class "C-2" Loading, Add	3,672.00	
		For Class "C-3" Loading, Add	5,089.39	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,314.87	
		For Removal Of Existing Elevator, Add	23,287.16	



Conveying Equipment	14
Elevators	14 20
Hydraulic Elevators	14 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006 EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM, 3 Stops, 3 Openings.....	249,179.05	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Each Opening With Two Speed Doors, Add	830.82	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,756.65	
For 2 Stops, Deduct	-17,075.22	
For Class "C-1" Loading, Add	3,058.78	
For Class "C-2" Loading, Add	3,672.00	
For Class "C-3" Loading, Add	5,089.39	
For Each Additional 50 FPM, Add	13,847.00	
For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
For Stainless Steel Cab Interior, Add	8,262.00	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	9,314.87	
For Removal Of Existing Elevator, Add	23,287.16	
14 24 13 00-0007 EA Hydraulic Freight Elevator, 7,000 LB x 50 FPM, 3 Stops, 3 Openings.....	255,605.21	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Each Opening With Two Speed Doors, Add	830.82	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,756.65	
For 2 Stops, Deduct	-17,075.22	
For Class "C-1" Loading, Add	3,058.78	
For Class "C-2" Loading, Add	3,672.00	
For Class "C-3" Loading, Add	5,089.39	
For Each Additional 50 FPM, Add	13,847.00	
For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
For Stainless Steel Cab Interior, Add	8,262.00	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	9,314.87	
For Removal Of Existing Elevator, Add	34,930.75	
14 24 13 00-0008 EA Hydraulic Freight Elevator, 8,000 LB x 50 FPM, 3 Stops, 3 Openings.....	265,354.77	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Each Opening With Two Speed Doors, Add	830.82	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,756.65	
For 2 Stops, Deduct	-17,075.22	
For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
For Stainless Steel Cab Interior, Add	8,262.00	
For Each Additional 50 FPM, Add	15,231.70	
For Class "C-1" Loading, Add	7,646.94	
For Class "C-2" Loading, Add	9,180.00	
For Class "C-3" Loading, Add	12,558.24	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	9,314.87	
For Removal Of Existing Elevator, Add	34,930.75	
14 24 13 00-0009 EA Hydraulic Freight Elevator, 10,000 LB x 50 FPM, 3 Stops, 3 Openings.....	272,353.15	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Each Opening With Two Speed Doors, Add	830.82	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	27,756.65	
For 2 Stops, Deduct	-17,075.22	
For Custom Plastic Laminated Cab Interiors, Add	4,590.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,426.00	
For Stainless Steel Cab Interior, Add	8,262.00	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	9,314.87	
For Removal Of Existing Elevator, Add	34,930.75	
For Each Additional 50 FPM, Add	16,616.40	
For Class "C-1" Loading, Add	10,170.52	
For Class "C-2" Loading, Add	12,209.40	
For Class "C-3" Loading, Add	16,702.09	

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM, 3 Stops, 3 Openings.....	284,422.54	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Each Opening With Two Speed Doors, Add</i>	830.82	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	27,756.65	
			<i>For 2 Stops, Deduct</i>	-17,075.22	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,590.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,426.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,262.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	321.65	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,314.87	
			<i>For Removal Of Existing Elevator, Add</i>	34,930.75	
			<i>For Each Additional 50 FPM, Add</i>	16,616.40	
			<i>For Class "C-1" Loading, Add</i>	10,170.52	
			<i>For Class "C-2" Loading, Add</i>	12,209.40	
			<i>For Class "C-3" Loading, Add</i>	16,702.09	
14 24	13 00-0011		Hydraulic Elevators Piston Drilling ^(14 24 13)		
14 24	13 00-0012	VLF	Up To 6" Diameter Piston Drilling	99.57	
			<i>Note: Includes casing.</i>		
14 24	13 00-0013	VLF	8" To 10" Diameter Piston Drilling.....	118.84	
			<i>Note: Includes casing.</i>		
14 24 23			Hydraulic Passenger Elevators ^(14 24)		
14 24 23 00-0001			Hydraulic Passenger Elevators ^(14 24 23)		
			<i>Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.</i>		
14 24 23 00-0002	EA		Hydraulic Passenger Elevator, 2,100 LB x 100 FPM, 3 Stops, 3 Openings.....	151,811.52	
			<i>For Each Additional Stop, Add</i>	26,371.95	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	321.65	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	23,287.16	
			<i>For Removal Of Existing Stop, Add</i>	4,657.43	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0003	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM, 3 Stops, 3 Openings.....	154,580.92	
			<i>For Each Additional Stop, Add</i>	26,371.95	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	321.65	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	23,287.16	
			<i>For Removal Of Existing Stop, Add</i>	4,657.43	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,000 LB x 100 FPM, 3 Stops, 3 Openings.....	156,484.88	
			<i>For Each Additional Stop, Add</i>	26,371.95	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	321.65	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	23,287.16	
			<i>For Removal Of Existing Stop, Add</i>	4,657.43	
			<i>For 2 Stops, Deduct</i>	-10,000.00	



Conveying Equipment	14
Elevators	14 20
Hydraulic Elevators	14 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005 EA Hydraulic Passenger Elevator, 3,500 LB x 100 FPM, 3 Stops, 3 Openings.....	163,833.13	
For Each Additional Stop, Add	26,371.95	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Elevator, Add	23,287.16	
For Removal Of Existing Stop, Add	4,657.43	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0006 EA Hydraulic Passenger Elevator, 4,000 LB x 100 FPM, 3 Stops, 3 Openings.....	166,852.81	
For Each Additional Stop, Add	26,371.95	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Elevator, Add	23,287.16	
For Removal Of Existing Stop, Add	4,657.43	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0007 EA Hydraulic Passenger Elevator, 4,500 LB x 100 FPM, 3 Stops, 3 Openings.....	170,902.96	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional Stop, Add	27,756.65	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Elevator, Add	23,287.16	
For Removal Of Existing Stop, Add	4,657.43	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0008 EA Hydraulic Passenger Elevator, 5,000 LB x 100 FPM, 3 Stops, 3 Openings.....	175,052.23	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Each Opening With Two Speed Doors, Add	830.82	
For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
For Stainless Steel Cab Interior, Add	7,344.00	
For Each Additional Stop, Add	27,756.65	
For Well Hole Drilling (12" Diameter Hole), Add Per VLF	321.65	
Note: Includes Labor and Equipment.		
For 12" PVC Liner, Add Per LF	52.88	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For 12" Steel Liner, Add Per LF	82.62	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	5,711.89	
For Removal Of Existing Elevator, Add	23,287.16	
For Removal Of Existing Stop, Add	4,657.43	
For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator (14 24 23)		
Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.		
14 24 23 00-0010 EA Twin Holeless Hydraulic Passenger Elevator, 2,100 LB x 100 FPM.....	130,890.45	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
For Stainless Steel Cab Interior, Add	5,508.00	
For Removal Of Existing Elevator, Add	23,287.16	
For Each Additional Stop, Add	28,118.49	
For An Additional 25 FPM, Add	2,333.22	

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011 EA Twin Holeless Hydraulic Passenger Elevator, 2,500 LB x 100 FPM.....	135,794.03	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
For Stainless Steel Cab Interior, Add	5,508.00	
For Removal Of Existing Elevator, Add	23,287.16	
For Each Additional Stop, Add	28,118.49	
For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0012 EA Twin Holeless Hydraulic Passenger Elevator, 3,000 LB x 100 FPM.....	140,505.67	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
For Stainless Steel Cab Interior, Add	5,508.00	
For Removal Of Existing Elevator, Add	23,287.16	
For Each Additional Stop, Add	28,118.49	
For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0013 EA Twin Holeless Hydraulic Passenger Elevator, 3,500 LB x 100 FPM.....	163,075.47	
For Each Opening With Bonderized Steel Door, Add	276.94	
For Each Opening With Stainless Steel Doors, Add	692.35	
For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
For Stainless Steel Cab Interior, Add	5,508.00	
For Removal Of Existing Elevator, Add	23,287.16	
For Each Additional Stop, Add	28,118.49	
For An Additional 25 FPM, Add	2,333.22	

14 26 Limited-Use/Limited-Application Elevators (14 20)

14 26 00 00-0001 Small Elevators (LULA) (14 26)

14 26 00 00-0002 EA Small Elevators (LULA), 1,400 LB x 30 FPM, 2 Stops, 2 Openings.....	94,330.27	
Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
For Each Additional Stop, Add	17,084.15	
For Removal Of Existing Elevator, Add	6,986.15	

14 27 Custom Elevator Cabs and Doors (14 20)

14 27 13 Custom Elevator Cab Finishes (14 27)

14 27 13 00-0001 Custom Elevator Cab Finish Options (14 27 13)
Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002 EA Intercom Service.....	1,414.37	
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14 27 13 00-0003 Custom Elevator Hall Finish Options (14 27 13)

14 27 13 00-0004 EA Stainless Steel Door, Hall Finishes.....	1,680.91	
14 27 13 00-0005 EA Stainless Steel Frames, Hall Finishes.....	1,766.38	
14 27 13 00-0006 EA Hall Lantern, Signal Devices.....	906.47	

14 27 16 Custom Elevator Doors (14 27)

14 27 16 00-0001 Custom Elevator Door Options (14 27 16)

14 27 16 00-0002 EA Center Opening, 1 Speed Doors.....	3,529.03	
14 27 16 00-0003 EA Center Opening, 2 Speed Doors.....	4,497.69	
14 27 16 00-0004 EA Rear Opening Doors (Opposite Front).....	6,235.58	
14 27 16 00-0005 EA Side Opening, 2 Speed Doors.....	9,853.81	
14 27 16 00-0006 EA Bi-Parting Doors.....	10,650.80	
14 27 16 00-0007 EA Power Operated Door And Gate.....	32,246.22	

14 28 Elevator Equipment and Controls (14 20)

14 28 16 Elevator Controls (14 28)

14 28 16 00-0001 Passenger Or Freight Elevator Options (14 28 16)

14 28 16 00-0002 EA 2 Car Group, Elevator Automatic Controls.....	8,890.39	1,147.23
14 28 16 00-0003 EA 3 Car Group, Elevator Automatic Controls.....	13,460.85	1,719.60
14 28 16 00-0004 EA 4 Car Group, Elevator Automatic Controls.....	20,668.75	2,292.80
14 28 16 00-0005 EA 5 Car Group, Elevator Automatic Controls.....	28,946.73	2,910.06
14 28 16 00-0006 EA 6 Car Group, Elevator Automatic Controls.....	40,112.70	3,439.17
14 28 16 00-0007 EA Duplex Care Selective Collective.....	8,086.70	
14 28 16 00-0008 EA Automatic Emergency Power Switching.....	4,981.29	
14 28 16 00-0009 EA Manual Emergency Power Switching.....	900.78	
14 28 16 00-0010 EA Up To 3, Position Indicator, Signal Devices.....	215.49	
14 28 16 00-0011 EA >3, Position Indicator, Signal Devices.....	181.03	
14 28 16 00-0012 EA High Speed Heavy Duty Door Opener.....	3,133.90	
14 28 16 00-0013 EA Variable Voltage, Overhead Gearless Machine, Minimum.....	53,756.71	
14 28 16 00-0014 EA Variable Voltage, Overhead Gearless Machine, Average.....	87,775.51	



		Conveying Equipment	14
		Elevators	14 20
		Elevator Equipment and Controls	14 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA		Variable Voltage, Overhead Gearless Machine, Maximum	121,648.75	
14 28 16 00-0016	EA		Variable Voltage, Basement Installed Geared Machine, Minimum	22,555.29	
14 28 16 00-0017	EA		Variable Voltage, Basement Installed Geared Machine, Average	27,797.45	
14 28 16 00-0018	EA		Variable Voltage, Basement Installed Geared Machine, Maximum	30,760.41	

14 30 Escalators and Moving Walks ⁽¹⁴⁾

14 31 Escalators ^(14 30)

14 31 00 00-0001 Stainless Steel Escalator Construction ^(14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA		Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	154,319.82	13,960.59
14 31 00 00-0003	EA		Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	171,145.43	16,498.88
14 31 00 00-0004	EA		Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	186,429.59	19,037.17
14 31 00 00-0005	EA		Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	206,265.71	22,844.60
14 31 00 00-0006	EA		Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	227,706.18	25,382.89
14 31 00 00-0007	EA		Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	163,161.41	14,848.99
14 31 00 00-0008	EA		Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	181,306.58	17,768.03
14 31 00 00-0009	EA		Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	196,582.43	20,306.31
14 31 00 00-0010	EA		Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	221,771.38	25,509.80
14 31 00 00-0011	EA		Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	238,865.75	27,413.52
14 31 00 00-0012	EA		Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	172,424.21	15,737.39
14 31 00 00-0013	EA		Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	192,208.34	19,037.17
14 31 00 00-0014	EA		Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	207,138.93	21,575.45
14 31 00 00-0015	EA		Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	238,370.71	26,905.86
14 31 00 00-0016	EA		Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	252,959.90	29,444.15
14 31 00 00-0017	EA		Escalator Fire Shutter Fusible Link.....	22,579.36	507.65

14 32 Moving Walks ^(14 30)

14 32 00 00-0001 Moving Sidewalks ^(14 32)

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF		Moving Sidewalks, 28" Wide.....	1,647.78	304.59
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	256.45	
14 32 00 00-0003	LF		Moving Sidewalks, 36" Wide.....	2,188.71	310.94
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	363.13	
14 32 00 00-0004	LF		Moving Sidewalks, 48" Wide.....	2,464.68	323.63
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	415.28	
14 32 00 00-0005	LF		Moving Sidewalks, 54" Wide.....	2,831.15	351.05
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	481.99	

14 40 Lifts ⁽¹⁴⁾

14 41 People Lifts ^(14 40)

14 41 16 Endless-Belt People Lifts ^(14 41)

14 41 16 00-0001 Personnel Lifts Electrically Operated ^(14 41 16)

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA		Personnel Lifts, Electric, 1-2 Person, 3 Stops.....	28,590.64	
			<i>For An Additional Stop, Add</i>	816.78	
			<i>For Tinted Plexiglas Enclosure, Weatherproof, Add</i>	3,430.88	
14 41 16 00-0003	EA		Personnel Lifts, Electric, 1-2 Person, 5 Stops.....	30,075.86	
			<i>For An Additional Stop, Add</i>	816.78	
			<i>For Tinted Plexiglas Enclosure, Weatherproof, Add</i>	3,609.10	
14 41 16 00-0004	EA		Personnel Lifts, Electric, 1-2 Person, 7 Stops.....	31,561.09	
			<i>For An Additional Stop, Add</i>	816.78	
			<i>For Tinted Plexiglas Enclosure, Weatherproof, Add</i>	3,787.33	

14 41 19 Stairway Chairlifts ^(14 41)

14 41 19 00-0001 Chair Lift-Stair Climber ^(14 41 19)

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA		Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	7,884.96	1,130.98
			Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA		Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	14,696.37	1,696.48
			Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 Conveying Equipment

14 40 Lifts

14 42 Wheelchair Lifts



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 42 16 Vertical Wheelchair Lifts (14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) (14 42 16)

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	9,132.24	791.69
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	1,002.44	
		For Removable Handrails, Add	102.16	
		For Power Operated Ramp, Add	893.90	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	11,236.51	989.61
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	600.19	
		For 3,000 LB Capacity, Add	1,002.44	
		For 4,000 LB Capacity, Add	1,500.48	
		For Accordion Safety Skirt, Add	1,002.44	
		For Removable Handrails, Add	102.16	
		For Power Operated Ramp, Add	893.90	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	13,425.61	1,286.50
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	600.19	
		For 3,000 LB Capacity, Add	1,002.44	
		For 4,000 LB Capacity, Add	1,500.48	
		For Accordion Safety Skirt, Add	1,002.44	
		For Removable Handrails, Add	102.16	
		For Power Operated Ramp, Add	893.90	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	15,095.70	1,484.42
		Note: 1000 LB capacity. Includes handrails and manual ramp.		
		For 2,000 LB Capacity, Add	600.19	
		For 3,000 LB Capacity, Add	1,002.44	
		For 4,000 LB Capacity, Add	1,500.48	
		For Accordion Safety Skirt, Add	1,002.44	
		For Removable Handrails, Add	102.16	
		For Power Operated Ramp, Add	893.90	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	15,463.39	706.87
		Note: 500 LB capacity, interior installation.		

14 90 Other Conveying Equipment (14)

14 91 Facility Chutes (14 90)

14 91 82 Trash Chutes (14 91)

14 91 82 00-0001 Trash Chutes (14 91 82)

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	42.07	5.15
		For Aluminum, Add	3.22	
		For Stainless Steel, Add	11.28	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	54.30	5.15
		For Aluminum, Add	4.36	
		For Stainless Steel, Add	15.26	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	59.91	6.44
		For Aluminum, Add	4.83	
		For Stainless Steel, Add	16.92	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	92.17	6.44
		For Aluminum, Add	7.96	
		For Stainless Steel, Add	27.87	
14 91 82 00-0006	EA	Trash Chutes, Hopper	779.53	36.04
		For Aluminum, Add	70.70	
		For Stainless Steel, Add	247.45	
14 91 82 00-0007	EA	Trash Chutes, Skylight	387.82	70.79
		For Aluminum, Add	24.59	
		For Stainless Steel, Add	86.07	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	270.78	77.22
		For Aluminum, Add	10.76	
		For Stainless Steel, Add	37.66	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	72.83	27.03
		For Aluminum, Add	1.84	
		For Stainless Steel, Add	6.45	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	658.93	96.52
		For Aluminum, Add	45.49	
		For Stainless Steel, Add	159.23	
14 91 82 00-0011	EA	Hopper Doors	1,505.02	74.19

14 92 Pneumatic Tube Systems (14 90)

14 92 00 00-0001 Pneumatic Message Tube Station (14 92)

		Note: Twin tube, two or more stations, conventional		
14 92 00 00-0002	LF	2-1/2" Tube With Bracketing	49.00	16.24
14 92 00 00-0003	LF	3" Tube With Bracketing	59.17	21.88
14 92 00 00-0004	LF	4" Tube With Bracketing	66.37	20.00
14 92 00 00-0005	LF	6" Tube With Bracketing	80.46	24.99
14 92 00 00-0006	LF	4" x 7" Oval Tube With Bracketing	84.21	26.87
14 92 00 00-0007	EA	Blower Assembly	7,334.69	499.95
14 92 00 00-0008	EA	Receiving Station, Round Or Oval	699.99	133.12



Conveying Equipment	14	14
Other Conveying Equipment	14 90	
Pneumatic Tube Systems	14 92	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 92 00 00-0009 EA Multi-Sided Dispatching Station, 3 Carrier.....	2,620.17	187.48
14 92 00 00-0010 EA Laboratory Receiving Station, Round Or Oval.....	1,836.18	168.73
14 92 00 00-0011 EA 2-Way Diverter Station.....	3,281.20	187.48
14 92 00 00-0012 EA 3-Way Diverter Station.....	4,198.47	218.73
14 92 00 00-0013 EA 4-Way Diverter Station.....	5,047.35	249.98

END OF SECTION 14

14	14	Conveying Equipment
	14 90	Other Conveying Equipment
	14 92	Pneumatic Tube Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91) See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).	
21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	463.50
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	278.09
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	111.24
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping..... Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	55.61

21 01 10 91-0006	EA	Purge And Refill System Sprinkler Piping ^(21 01 10 91) Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.	
21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	407.09
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	581.40
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	696.64
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	870.80
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	1,132.04
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	0.57
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	569.94
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	813.98
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	975.30
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,219.12
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,584.86
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	0.79
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	783.65
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,119.21
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,341.04
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,676.29
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,179.18
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.09
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,057.94
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,510.93
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,605.04
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,006.30
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,608.19
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.31

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001	EA	Inspection And Recharge ^(21 01 30 91)	
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	199.30
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	2.91
21 01 30 91-0004	EA	Inspection, Halon 1301	199.30
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	69.86
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	120.51
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	65.50
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	120.51
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	5.82
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents	37.08
		See CSI section 23 05 93 00-0046 for testing existing piping systems.	
21 01 30 91-0011	EA	Disarm/Arm System	64.89

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements for Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems ^(21 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge ^(21 05 19)

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	46.62	11.92
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	48.49	11.92
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	57.23	11.92
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	60.82	11.92
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	64.41	11.92
		Note: For fire sprinkler systems		

21 05 19 00-0007 Fire Service Meter Cast Iron Housing ^(21 05 19)

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	7,506.70	193.61
		For >10 To 25, Deduct	-375.34	
		For >25, Deduct	-1,101.77	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	15,330.78	324.58
		For >10 To 25, Deduct	-766.54	
		For >25, Deduct	-2,258.94	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	20,757.90	462.59
		For >10 To 25, Deduct	-1,037.90	
		For >25, Deduct	-3,055.65	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	27,078.72	591.10
		For >10 To 25, Deduct	-1,353.94	
		For >25, Deduct	-3,988.38	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	38,180.80	719.60
		For >10 To 25, Deduct	-1,909.04	
		For >25, Deduct	-5,637.17	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

^(21 05)
See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 Globe Valves ^(21 05 23)**21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves** ^(21 05 23 00-0001)

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	65.74	12.37
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	83.97	12.98
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	115.06	12.98
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	172.22	16.45
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	202.56	19.04
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	239.95	22.51

21 05 23 00-0009 Butterfly Valves ^(21 05 23)**21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves** ^(21 05 23 00-0009)

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	511.80	20.16
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	562.37	24.15
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	590.32	31.78
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	839.04	52.05
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	1,207.66	73.23

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves ^(21 05 23 00-0009)

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	513.69	16.29
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	523.44	20.16
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	577.90	24.15
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	600.02	31.78
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	837.10	52.05
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,244.55	73.23
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510).....	1,925.80	98.97

21 05 23 00-0024 Check Valves ^(21 05 23)**21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves** ^(21 05 23 00-0024)

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	225.33	12.37
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	266.64	12.98
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	364.16	12.98
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	484.67	16.45
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	634.48	19.04
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	924.73	22.51



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032		Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(21 05 23 00-0024)</small>		
21 05 23 00-0033	EA	2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	987.56	165.14
21 05 23 00-0034	EA	3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,122.14	193.61
21 05 23 00-0035	EA	4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	1,573.57	324.58
21 05 23 00-0036	EA	6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	2,349.06	386.16
21 05 23 00-0037	EA	8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	3,718.34	493.43
21 05 23 00-0038	EA	10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	5,871.79	600.70
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126).....	8,190.61	729.41
21 05 23 00-0040		Iron Body Wafer Type Check Valve <small>(21 05 23 00-0024)</small>		
21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	776.34	165.26
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	894.71	193.76
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,078.14	324.83
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	1,754.64	455.89
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	2,562.54	524.28
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	3,733.55	56.99
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W).....	5,087.54	775.02
21 05 23 00-0048		Grooved End, Check Valves <small>(21 05 23 00-0024)</small>		
21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717).....	454.63	20.50
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717).....	460.16	24.26
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717).....	488.69	31.89
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717).....	1,450.74	52.05
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717).....	2,015.73	73.23
21 05 23 00-0054		Gate Valves <small>(21 05 23)</small>		
21 05 23 00-0055		Threaded, Bronze Gate Valves <small>(21 05 23 00-0054)</small>		
		Note: Class 175		
21 05 23 00-0056	EA	1" Threaded, Bronze Gate Valve (Crane 459).....	698.70	15.46
21 05 23 00-0057	EA	1-1/4" Threaded, Bronze Gate Valve (Crane 459).....	854.38	16.45
21 05 23 00-0058	EA	1-1/2" Threaded, Bronze Gate Valve (Crane 459).....	1,016.32	19.04
21 05 23 00-0059	EA	2" Threaded, Bronze Gate Valve (Crane 459).....	1,267.73	22.51
21 05 23 00-0060		Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(21 05 23 00-0054)</small>		
		Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	1,341.93	165.14
21 05 23 00-0062	EA	3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	1,580.82	193.61
21 05 23 00-0063	EA	4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	2,203.13	324.58
21 05 23 00-0064	EA	6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	3,279.43	386.16
21 05 23 00-0065	EA	8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	4,846.19	493.43
21 05 23 00-0066	EA	10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	8,880.25	600.70
21 05 23 00-0067	EA	12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467).....	12,087.36	729.41
21 05 23 00-0068		Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves <small>(21 05 23 00-0054)</small>		
		Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	2,314.32	165.14
21 05 23 00-0070	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	2,695.85	193.61
21 05 23 00-0071	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	3,217.63	324.58
21 05 23 00-0072	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	4,135.27	386.16
21 05 23 00-0073	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	6,190.53	493.43
21 05 23 00-0074	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	8,966.18	600.70
21 05 23 00-0075	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136).....	11,606.64	729.41
21 05 23 00-0076		Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves <small>(21 05 23 00-0054)</small>		
		Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	2,170.88	193.61
21 05 23 00-0078	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	2,711.08	324.58
21 05 23 00-0079	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	3,468.47	386.16
21 05 23 00-0080	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	5,254.79	493.43
21 05 23 00-0081	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	7,965.97	600.70

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082 EA 12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100).....	10,029.89	729.41
21 05 23 00-0083 Ball Valves ^(21 05 23)		
21 05 23 00-0084 Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) ^(21 05 23 00-0083)		
21 05 23 00-0085 EA 1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	454.27	15.46
21 05 23 00-0086 EA 1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	496.43	16.45
21 05 23 00-0087 EA 1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	586.81	19.04
21 05 23 00-0088 EA 2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728).....	705.98	22.51
21 05 23 00-0089 TESTanDRAIN® Valve ^(21 05 23)		
21 05 23 00-0090 EA 1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600).....	234.25	13.73
21 05 23 00-0091 EA 1" Threaded TESTanDRAIN® Valve (AGF 1000).....	264.23	16.59
21 05 23 00-0092 EA 1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000).....	322.82	20.98
21 05 23 00-0093 EA 1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000).....	506.75	24.22
21 05 23 00-0094 EA 2" Threaded TESTanDRAIN® Valve (AGF 1000).....	531.61	28.61
21 05 23 00-0095 EA 1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	373.65	16.59
21 05 23 00-0096 EA 1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	431.17	20.98
21 05 23 00-0097 EA 1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	618.40	24.22
21 05 23 00-0098 EA 2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	646.23	28.61

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment ^(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping ^(21 05)

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment ^(21 05)**21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment** ^(21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment ^(21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation ⁽²¹⁾**21 07 16 Fire-Suppression Equipment Insulation** ^(21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation ^(21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems ⁽²¹⁾

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0927 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping ^(21 10)**21 11 19 Fire-Department Connections** ^(21 11)**21 11 19 00-0001 Fire Department Connections** ^(21 11 19)

21 11 19 00-0002 EA 4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	987.36	307.06
<i>For Polished Chrome, Add</i>	65.27	
21 11 19 00-0003 EA 6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	1,381.03	383.82
<i>For Polished Chrome, Add</i>	99.91	
21 11 19 00-0004 EA 4" x 3" x 3" Siamese Connection, Polished Brass.....	1,477.77	307.06
<i>For Polished Chrome, Add</i>	126.55	
21 11 19 00-0005 EA 6" x 3" x 3" Siamese Connection, Polished Brass.....	1,956.50	383.82
<i>For Polished Chrome, Add</i>	171.84	
21 11 19 00-0006 EA 6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	2,097.18	383.82
<i>For Polished Chrome, Add</i>	189.43	
21 11 19 00-0007 EA Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,783.95	406.23
<i>For Polished Chrome, Add</i>	146.09	
21 11 19 00-0008 EA Wall Type Connection With Plug And Chain, Polished Brass.....	1,135.75	307.06
<i>For Polished Chrome, Add</i>	83.82	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated ^(21 11 19)

See CSI section 33 14 19 00-0159 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010 EA Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	2,355.16	324.58
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 11 19 00-0011	Upright Indicator Post, Wheel Operated <small>(21 11 19)</small>		
21 11 19 00-0012	EA Upright Indicator Post With Flange For Valve (Victaulic 774)	6,908.78	324.58

21 12 Fire-Suppression Standpipes (21 10)

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles (21 12)

21 12 13 00-0001 Fire Hose <small>(21 12 13)</small>			
21 12 13 00-0002 Fire Hose Without Couplings <small>(21 12 13 00-0001)</small>			
21 12 13 00-0003	LF 1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.39	1.86
21 12 13 00-0004	LF 2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.78	1.86
21 12 13 00-0005	LF 2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.53	1.86
21 12 13 00-0006	LF 3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.96	1.86
21 12 13 00-0007	LF 1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.68	1.86
21 12 13 00-0008	LF 2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	3.31	1.86
21 12 13 00-0009	LF 1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.76	1.86
21 12 13 00-0010	LF 2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.50	1.86

21 12 13 00-0011 Fire Hose With Aluminum Couplings <small>(21 12 13 00-0001)</small>			
21 12 13 00-0012	LF 1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	7.86	1.02
21 12 13 00-0013	LF 2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	9.95	1.21
21 12 13 00-0014	LF 3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	17.58	1.21

21 12 13 00-0015 Fire Hose Accessories <small>(21 12 13 00-0001)</small>			
21 12 13 00-0016	EA Hose Coupling With 1-1/2" Pin Lug.....	264.25	30.60
21 12 13 00-0017	EA Hose Coupling With 2-1/2" Pin Lug.....	427.87	34.30
21 12 13 00-0018	EA 1-1/2" x 10" Brass Straight Nozzle.....	84.65	24.10
21 12 13 00-0019	EA 2-1/2" x 12" Brass Straight Nozzle.....	173.06	24.10
21 12 13 00-0020	EA 1-1/2" Brass Fog Type Nozzle.....	136.64	24.10
21 12 13 00-0021	EA 2-1/2" Brass Fog Type Nozzle.....	198.50	24.10
21 12 13 00-0022	EA 1-1/2" Brass 100' Hose Rack.....	287.25	101.97
21 12 13 00-0023	EA 2-1/2" Brass 100' Hose Rack.....	408.93	101.97

21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves <small>(21 12 23)</small>			
21 12 23 00-0002	EA 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	773.30	203.12
	<i>For Polished Chrome, Add</i>	69.85	
21 12 23 00-0003	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,324.55	203.02
	<i>For Polished Chrome, Add</i>	152.54	
21 12 23 00-0004	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,735.43	219.62
	<i>For Polished Chrome, Add</i>	210.39	
21 12 23 00-0005	EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	2,118.91	203.02
	<i>For Polished Chrome, Add</i>	271.70	
21 12 23 00-0006	EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	2,501.01	219.62
	<i>For Polished Chrome, Add</i>	325.23	
21 12 23 00-0007	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,240.12	203.02
	<i>For Polished Chrome, Add</i>	139.88	
21 12 23 00-0008	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,867.82	219.62
	<i>For Polished Chrome, Add</i>	230.25	
21 12 23 00-0009	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	2,437.79	209.61
	<i>For Polished Chrome, Add</i>	254.43	
21 12 23 00-0010	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	3,533.21	232.87
	<i>For Polished Chrome, Add</i>	381.64	
21 12 23 00-0011	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	2,627.75	209.61
	<i>For Polished Chrome, Add</i>	277.22	
21 12 23 00-0012	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	3,819.41	232.87
	<i>For Polished Chrome, Add</i>	415.98	
21 12 23 00-0013	EA 2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass.....	13,591.00	279.41
	<i>For Polished Chrome, Add</i>	1,316.76	

21 12 23 00-0014 Fire Hose Angle Valves <small>(21 12 23)</small>			
21 12 23 00-0015	EA 1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	216.39	25.03
21 12 23 00-0016	EA 1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	261.44	25.03
21 12 23 00-0017	EA 1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	245.06	25.03
21 12 23 00-0018	EA 1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	290.11	25.03
21 12 23 00-0019	EA 2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	386.88	41.72
21 12 23 00-0020	EA 2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	452.41	41.72
21 12 23 00-0021	EA 2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	457.87	41.72
21 12 23 00-0022	EA 2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	523.41	41.72

21 12 29 Fire-Suppression Fire Hose Equipment (21 12)

21	21	Fire Suppression
	21 10	Water-Based Fire-Suppression Systems
	21 12	Fire-Suppression Standpipes



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 29 00-0001	Standpipe And Fire Hose Equipment <small>(21 12 29)</small>		
21 12 29 00-0002	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	4,345.53	503.50
21 12 29 00-0003	EA Water Motor Gong	1,544.27	143.71
21 12 29 00-0004	EA Fire Riser Flow Switch (National Fire Protection Association 13)	1,545.40	16.72
21 12 29 00-0005	EA Water Flow Supervisory (Tamper) Switch Mounted On Valve	234.78	28.60
21 12 29 00-0006	EA Lever Type Bleeder Valve (Potter BVL)	156.57	28.60

21 12 29 00-0007	Water Flow Detector <small>(21 12 29)</small>		
21 12 29 00-0008	Pressure-Type Water Flow Detector <small>(21 12 29 00-0007)</small>		
21 12 29 00-0009	EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	360.88	88.00
21 12 29 00-0010	EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	526.31	116.60
21 12 29 00-0011	EA Pressure-Type Water Flow Detector For >4" To 8" Pipe	844.70	132.00

21 12 29 00-0012	Vane-Type Water Flow Detector <small>(21 12 29 00-0007)</small>		
21 12 29 00-0013	EA Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	460.92	88.00
21 12 29 00-0014	EA Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	648.87	116.60
21 12 29 00-0015	EA Vane-Type Water Flow Detector For >4" To 8" Pipe	1,039.00	132.00

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 13 13 Wet-Pipe Sprinkler Systems (21 13)

21 13 13 00-0001	Complete Wet Pipe Sprinkler Systems Assemblies <small>(21 13 13)</small>		
<p>Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1411 for individual grooved pipe, 23 21 13 23-1484 for individual grooved pipe fittings.</p>			

21 13 13 00-0002	Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies <small>(21 13 13 00-0001)</small>		
21 13 13 00-0003	EA Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	930.40	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>			
	<i>For Copper Pipe, Add</i>	124.70	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-171.22	
	<i>For Up To 5, Add</i>	401.88	
	<i>For >5 To 10, Add</i>	230.66	
	<i>For >10 To 20, Add</i>	137.62	
	<i>For >20 To 40, Add</i>	61.38	
	<i>For >100 To 150, Deduct</i>	-93.04	
	<i>For >150, Deduct</i>	-186.08	
21 13 13 00-0004	EA Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,122.61	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>			
	<i>For Copper Pipe, Add</i>	146.51	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-202.64	
	<i>For Up To 5, Add</i>	492.81	
	<i>For >5 To 10, Add</i>	290.17	
	<i>For >10 To 20, Add</i>	177.91	
	<i>For >20 To 40, Add</i>	78.01	
	<i>For >100 To 150, Deduct</i>	-112.26	
	<i>For >150, Deduct</i>	-224.52	
	<i>For Work In Restricted Working Space, Add</i>	131.29	

21 13 13 00-0005	Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies <small>(21 13 13 00-0001)</small>		
21 13 13 00-0006	EA Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	907.23	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>			
	<i>For Copper Pipe, Add</i>	121.40	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-166.77	
	<i>For Up To 5, Add</i>	392.25	
	<i>For >5 To 10, Add</i>	225.49	
	<i>For >10 To 20, Add</i>	134.77	
	<i>For >20 To 40, Add</i>	60.04	
	<i>For >100 To 150, Deduct</i>	-90.72	
	<i>For >150, Deduct</i>	-181.45	
21 13 13 00-0007	EA Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly	1,089.89	
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>			
	<i>For Copper Pipe, Add</i>	141.89	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-196.39	
	<i>For Up To 5, Add</i>	479.14	
	<i>For >5 To 10, Add</i>	282.76	
	<i>For >10 To 20, Add</i>	173.77	
	<i>For >20 To 40, Add</i>	76.09	
	<i>For >100 To 150, Deduct</i>	-108.99	
	<i>For >150, Deduct</i>	-217.98	
	<i>For Work In Restricted Working Space, Add</i>	129.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0008	Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies <small>(21 13 13 00-0001)</small>		
21 13 13 00-0009	EA Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	835.43	
	<i>For Copper Pipe, Add</i>	111.64	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-153.41	
	<i>For Up To 5, Add</i>	361.52	
	<i>For >5 To 10, Add</i>	208.11	
	<i>For >10 To 20, Add</i>	124.56	
	<i>For >20 To 40, Add</i>	55.44	
	<i>For >100 To 150, Deduct</i>	-83.54	
	<i>For >150, Deduct</i>	-167.09	
21 13 13 00-0010	EA Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	1,005.87	
	<i>For Copper Pipe, Add</i>	130.78	
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-181.08	
	<i>For Up To 5, Add</i>	442.62	
	<i>For >5 To 10, Add</i>	261.54	
	<i>For >10 To 20, Add</i>	160.95	
	<i>For >20 To 40, Add</i>	70.41	
	<i>For >100 To 150, Deduct</i>	-100.60	
	<i>For >150, Deduct</i>	-201.19	
	<i>For Work In Restricted Working Space, Add</i>	120.70	
21 13 13 00-0011	Wet Pipe Sprinkler Components <small>(21 13 13)</small>		
	Note: Excludes hydraulic calculations.		
21 13 13 00-0012	Wet Pipe Alarm Check Valves <small>(21 13 13 00-0011)</small>		
	Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA 2-1/2" Wet Pipe Alarm Check Valve	2,033.72	121.00
21 13 13 00-0014	EA 3" Wet Pipe Alarm Check Valve	2,068.93	138.60
21 13 13 00-0015	EA 4" Wet Pipe Alarm Check Valve	2,262.52	235.40
21 13 13 00-0016	EA 6" Wet Pipe Alarm Check Valve	2,138.62	297.00
21 13 13 00-0017	EA 8" Wet Pipe Alarm Check Valve	3,920.98	376.21
21 13 13 00-0018	Wet Pipe Valve Trim <small>(21 13 13 00-0011)</small>		
	Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA 2-1/2" Wet Pipe Valve Trim.....	1,715.85	256.08
21 13 13 00-0020	EA 3" Wet Pipe Valve Trim.....	1,821.12	256.08
21 13 13 00-0021	EA 4" Wet Pipe Valve Trim.....	2,169.65	351.12
21 13 13 00-0022	EA 6" Wet Pipe Valve Trim.....	2,503.74	488.41
21 13 13 00-0023	EA 8" Wet Pipe Valve Trim.....	2,697.34	604.57
21 13 13 00-0024	Wet Pipe Sprinkler Heads <small>(21 13 13 00-0011)</small>		
21 13 13 00-0025	Upright Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0026	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	72.37 -2.09 -5.70 -10.09 -20.12 -28.46	10.43
21 13 13 00-0027	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	75.49 -2.09 -5.86 -10.48 -20.68 -29.02	10.43
21 13 13 00-0028	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	77.48 -2.09 -5.96 -10.73 -21.04 -29.38	10.43
21 13 13 00-0029	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	73.94 -2.09 -5.78 -10.29 -20.40 -28.75	10.43
21 13 13 00-0030	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	77.18 -2.09 -5.95 -10.69 -20.98 -29.33	10.43

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0031	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	79.26	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.05	
			<i>For >100 To 500, Deduct</i>	-10.95	
			<i>For >500 To 1,000, Deduct</i>	-21.36	
			<i>For >1,000, Deduct</i>	-29.70	
21 13 13 00-0032	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	94.38	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.81	
			<i>For >100 To 500, Deduct</i>	-12.84	
			<i>For >500 To 1,000, Deduct</i>	-24.08	
			<i>For >1,000, Deduct</i>	-32.42	
21 13 13 00-0033	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	102.74	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-7.22	
			<i>For >100 To 500, Deduct</i>	-13.89	
			<i>For >500 To 1,000, Deduct</i>	-25.59	
			<i>For >1,000, Deduct</i>	-33.93	
21 13 13 00-0034	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	94.38	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.81	
			<i>For >100 To 500, Deduct</i>	-12.84	
			<i>For >500 To 1,000, Deduct</i>	-24.08	
			<i>For >1,000, Deduct</i>	-32.42	
21 13 13 00-0035	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	102.74	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-7.22	
			<i>For >100 To 500, Deduct</i>	-13.89	
			<i>For >500 To 1,000, Deduct</i>	-25.59	
			<i>For >1,000, Deduct</i>	-33.93	
21 13 13 00-0036	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	83.55	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.26	
			<i>For >100 To 500, Deduct</i>	-11.49	
			<i>For >500 To 1,000, Deduct</i>	-22.13	
			<i>For >1,000, Deduct</i>	-30.48	
21 13 13 00-0037	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	87.63	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.47	
			<i>For >100 To 500, Deduct</i>	-12.00	
			<i>For >500 To 1,000, Deduct</i>	-22.87	
			<i>For >1,000, Deduct</i>	-31.21	
21 13 13 00-0038	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	83.63	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.50	
			<i>For >100 To 500, Deduct</i>	-11.61	
			<i>For >500 To 1,000, Deduct</i>	-22.93	
			<i>For >1,000, Deduct</i>	-32.20	
21 13 13 00-0039	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	88.40	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 500, Deduct</i>	-12.21	
			<i>For >500 To 1,000, Deduct</i>	-23.79	
			<i>For >1,000, Deduct</i>	-33.06	
21 13 13 00-0040	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	89.37	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.79	
			<i>For >100 To 500, Deduct</i>	-12.33	
			<i>For >500 To 1,000, Deduct</i>	-23.97	
			<i>For >1,000, Deduct</i>	-33.24	
21 13 13 00-0041	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	83.63	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.50	
			<i>For >100 To 500, Deduct</i>	-11.61	
			<i>For >500 To 1,000, Deduct</i>	-22.93	
			<i>For >1,000, Deduct</i>	-32.20	
21 13 13 00-0042	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	88.40	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 500, Deduct</i>	-12.21	
			<i>For >500 To 1,000, Deduct</i>	-23.79	
			<i>For >1,000, Deduct</i>	-33.06	
21 13 13 00-0043	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	89.37	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.79	
			<i>For >100 To 500, Deduct</i>	-12.33	
			<i>For >500 To 1,000, Deduct</i>	-23.97	
			<i>For >1,000, Deduct</i>	-33.24	
21 13 13 00-0044	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head.....	81.39	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 500, Deduct</i>	-11.22	
			<i>For >500 To 1,000, Deduct</i>	-21.74	
			<i>For >1,000, Deduct</i>	-30.09	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0045 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	84.51	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.31	
For >100 To 500, Deduct	-11.61	
For >500 To 1,000, Deduct	-22.30	
For >1,000, Deduct	-30.65	
21 13 13 00-0046 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	85.11	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.34	
For >100 To 500, Deduct	-11.68	
For >500 To 1,000, Deduct	-22.41	
For >1,000, Deduct	-30.76	
21 13 13 00-0047 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	81.39	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.16	
For >100 To 500, Deduct	-11.22	
For >500 To 1,000, Deduct	-21.74	
For >1,000, Deduct	-30.09	
21 13 13 00-0048 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	84.51	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.31	
For >100 To 500, Deduct	-11.61	
For >500 To 1,000, Deduct	-22.30	
For >1,000, Deduct	-30.65	
21 13 13 00-0049 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	85.11	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.34	
For >100 To 500, Deduct	-11.68	
For >500 To 1,000, Deduct	-22.41	
For >1,000, Deduct	-30.76	
21 13 13 00-0050 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	85.10	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.34	
For >100 To 500, Deduct	-11.68	
For >500 To 1,000, Deduct	-22.41	
For >1,000, Deduct	-30.75	
21 13 13 00-0051 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	117.11	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-8.17	
For >100 To 500, Deduct	-15.80	
For >500 To 1,000, Deduct	-28.96	
For >1,000, Deduct	-38.23	
21 13 13 00-0052 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	120.70	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-8.35	
For >100 To 500, Deduct	-16.25	
For >500 To 1,000, Deduct	-29.61	
For >1,000, Deduct	-38.88	
21 13 13 00-0053 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	120.70	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-8.35	
For >100 To 500, Deduct	-16.25	
For >500 To 1,000, Deduct	-29.61	
For >1,000, Deduct	-38.88	
21 13 13 00-0054 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	92.89	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.96	
For >100 To 500, Deduct	-12.77	
For >500 To 1,000, Deduct	-24.60	
For >1,000, Deduct	-33.87	
21 13 13 00-0055 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	95.35	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-7.09	
For >100 To 500, Deduct	-13.08	
For >500 To 1,000, Deduct	-25.04	
For >1,000, Deduct	-34.31	
21 13 13 00-0056 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	95.35	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-7.09	
For >100 To 500, Deduct	-13.08	
For >500 To 1,000, Deduct	-25.04	
For >1,000, Deduct	-34.31	
21 13 13 00-0057 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	297.50	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-16.96	
For >100 To 500, Deduct	-38.23	
For >500 To 1,000, Deduct	-60.64	
For >1,000, Deduct	-68.99	
21 13 13 00-0058 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	327.48	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-18.69	
For >100 To 500, Deduct	-42.09	
For >500 To 1,000, Deduct	-66.83	
For >1,000, Deduct	-76.10	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0059	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	153.72	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-9.77	
			<i>For >100 To 500, Deduct</i>	-20.26	
			<i>For >500 To 1,000, Deduct</i>	-34.76	
			<i>For >1,000, Deduct</i>	-43.11	
21 13 13 00-0060	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	191.18	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-11.65	
			<i>For >100 To 500, Deduct</i>	-24.94	
			<i>For >500 To 1,000, Deduct</i>	-41.50	
			<i>For >1,000, Deduct</i>	-49.85	
21 13 13 00-0061	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head.....	347.83	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-19.48	
			<i>For >100 To 500, Deduct</i>	-44.52	
			<i>For >500 To 1,000, Deduct</i>	-69.70	
			<i>For >1,000, Deduct</i>	-78.05	
21 13 13 00-0062	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	445.45	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-24.36	
			<i>For >100 To 500, Deduct</i>	-56.72	
			<i>For >500 To 1,000, Deduct</i>	-87.27	
			<i>For >1,000, Deduct</i>	-95.62	
21 13 13 00-0063	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	195.81	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-12.11	
			<i>For >100 To 500, Deduct</i>	-25.64	
			<i>For >500 To 1,000, Deduct</i>	-43.13	
			<i>For >1,000, Deduct</i>	-52.40	
21 13 13 00-0064	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	196.94	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-12.16	
			<i>For >100 To 500, Deduct</i>	-25.78	
			<i>For >500 To 1,000, Deduct</i>	-43.33	
			<i>For >1,000, Deduct</i>	-52.60	
21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>					
21 13 13 00-0066	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head.....	72.37	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.70	
			<i>For >100 To 500, Deduct</i>	-10.09	
			<i>For >500 To 1,000, Deduct</i>	-20.12	
			<i>For >1,000, Deduct</i>	-28.46	
21 13 13 00-0067	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	75.49	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100 To 500, Deduct</i>	-10.48	
			<i>For >500 To 1,000, Deduct</i>	-20.68	
			<i>For >1,000, Deduct</i>	-29.02	
21 13 13 00-0068	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	77.48	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.96	
			<i>For >100 To 500, Deduct</i>	-10.73	
			<i>For >500 To 1,000, Deduct</i>	-21.04	
			<i>For >1,000, Deduct</i>	-29.38	
21 13 13 00-0069	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	84.74	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.55	
			<i>For >100 To 500, Deduct</i>	-11.75	
			<i>For >500 To 1,000, Deduct</i>	-23.13	
			<i>For >1,000, Deduct</i>	-32.40	
21 13 13 00-0070	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head.....	88.40	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 500, Deduct</i>	-12.21	
			<i>For >500 To 1,000, Deduct</i>	-23.79	
			<i>For >1,000, Deduct</i>	-33.06	
21 13 13 00-0071	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	88.97	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.77	
			<i>For >100 To 500, Deduct</i>	-12.28	
			<i>For >500 To 1,000, Deduct</i>	-23.89	
			<i>For >1,000, Deduct</i>	-33.16	
21 13 13 00-0072	EA		1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	297.50	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-16.96	
			<i>For >100 To 500, Deduct</i>	-38.23	
			<i>For >500 To 1,000, Deduct</i>	-60.64	
			<i>For >1,000, Deduct</i>	-68.99	
21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>					
See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.					



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0074	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	72.37	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.70	
			<i>For >100 To 500, Deduct</i>	-10.09	
			<i>For >500 To 1,000, Deduct</i>	-20.12	
			<i>For >1,000, Deduct</i>	-28.46	
21 13 13 00-0075	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	75.49	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100 To 500, Deduct</i>	-10.48	
			<i>For >500 To 1,000, Deduct</i>	-20.68	
			<i>For >1,000, Deduct</i>	-29.02	
21 13 13 00-0076	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	77.48	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.96	
			<i>For >100 To 500, Deduct</i>	-10.73	
			<i>For >500 To 1,000, Deduct</i>	-21.04	
			<i>For >1,000, Deduct</i>	-29.38	
21 13 13 00-0077	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	83.63	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.50	
			<i>For >100 To 500, Deduct</i>	-11.61	
			<i>For >500 To 1,000, Deduct</i>	-22.93	
			<i>For >1,000, Deduct</i>	-32.20	
21 13 13 00-0078	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	88.40	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 500, Deduct</i>	-12.21	
			<i>For >500 To 1,000, Deduct</i>	-23.79	
			<i>For >1,000, Deduct</i>	-33.06	
21 13 13 00-0079	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	89.37	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.79	
			<i>For >100 To 500, Deduct</i>	-12.33	
			<i>For >500 To 1,000, Deduct</i>	-23.97	
			<i>For >1,000, Deduct</i>	-33.24	
21 13 13 00-0080	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	81.39	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 500, Deduct</i>	-11.22	
			<i>For >500 To 1,000, Deduct</i>	-21.74	
			<i>For >1,000, Deduct</i>	-30.09	
21 13 13 00-0081	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	84.51	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.31	
			<i>For >100 To 500, Deduct</i>	-11.61	
			<i>For >500 To 1,000, Deduct</i>	-22.30	
			<i>For >1,000, Deduct</i>	-30.65	
21 13 13 00-0082	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	85.11	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.34	
			<i>For >100 To 500, Deduct</i>	-11.68	
			<i>For >500 To 1,000, Deduct</i>	-22.41	
			<i>For >1,000, Deduct</i>	-30.76	
21 13 13 00-0083	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	81.39	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 500, Deduct</i>	-11.22	
			<i>For >500 To 1,000, Deduct</i>	-21.74	
			<i>For >1,000, Deduct</i>	-30.09	
21 13 13 00-0084	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	84.51	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.31	
			<i>For >100 To 500, Deduct</i>	-11.61	
			<i>For >500 To 1,000, Deduct</i>	-22.30	
			<i>For >1,000, Deduct</i>	-30.65	
21 13 13 00-0085	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	85.11	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.34	
			<i>For >100 To 500, Deduct</i>	-11.68	
			<i>For >500 To 1,000, Deduct</i>	-22.41	
			<i>For >1,000, Deduct</i>	-30.76	
21 13 13 00-0086	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	81.39	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 500, Deduct</i>	-11.22	
			<i>For >500 To 1,000, Deduct</i>	-21.74	
			<i>For >1,000, Deduct</i>	-30.09	
21 13 13 00-0087	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	84.51	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.31	
			<i>For >100 To 500, Deduct</i>	-11.61	
			<i>For >500 To 1,000, Deduct</i>	-22.30	
			<i>For >1,000, Deduct</i>	-30.65	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0088	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	85.11	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.34	
			<i>For >100 To 500, Deduct</i>	-11.68	
			<i>For >500 To 1,000, Deduct</i>	-22.41	
			<i>For >1,000, Deduct</i>	-30.76	
21 13 13 00-0089	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	72.37	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.70	
			<i>For >100 To 500, Deduct</i>	-10.09	
			<i>For >500 To 1,000, Deduct</i>	-20.12	
			<i>For >1,000, Deduct</i>	-28.46	
21 13 13 00-0090	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	75.49	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100 To 500, Deduct</i>	-10.48	
			<i>For >500 To 1,000, Deduct</i>	-20.68	
			<i>For >1,000, Deduct</i>	-29.02	
21 13 13 00-0091	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	77.48	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.96	
			<i>For >100 To 500, Deduct</i>	-10.73	
			<i>For >500 To 1,000, Deduct</i>	-21.04	
			<i>For >1,000, Deduct</i>	-29.38	
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	73.94	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.78	
			<i>For >100 To 500, Deduct</i>	-10.29	
			<i>For >500 To 1,000, Deduct</i>	-20.40	
			<i>For >1,000, Deduct</i>	-28.75	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	76.15	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.89	
			<i>For >100 To 500, Deduct</i>	-10.56	
			<i>For >500 To 1,000, Deduct</i>	-20.80	
			<i>For >1,000, Deduct</i>	-29.14	
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	78.17	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.99	
			<i>For >100 To 500, Deduct</i>	-10.81	
			<i>For >500 To 1,000, Deduct</i>	-21.16	
			<i>For >1,000, Deduct</i>	-29.51	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	86.58	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.65	
			<i>For >100 To 500, Deduct</i>	-11.98	
			<i>For >500 To 1,000, Deduct</i>	-23.46	
			<i>For >1,000, Deduct</i>	-32.73	
21 13 13 00-0096	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	90.63	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.85	
			<i>For >100 To 500, Deduct</i>	-12.49	
			<i>For >500 To 1,000, Deduct</i>	-24.19	
			<i>For >1,000, Deduct</i>	-33.46	
21 13 13 00-0097	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	90.63	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.85	
			<i>For >100 To 500, Deduct</i>	-12.49	
			<i>For >500 To 1,000, Deduct</i>	-24.19	
			<i>For >1,000, Deduct</i>	-33.46	
21 13 13 00-0098	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	83.55	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.26	
			<i>For >100 To 500, Deduct</i>	-11.49	
			<i>For >500 To 1,000, Deduct</i>	-22.13	
			<i>For >1,000, Deduct</i>	-30.48	
21 13 13 00-0099	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	87.63	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.47	
			<i>For >100 To 500, Deduct</i>	-12.00	
			<i>For >500 To 1,000, Deduct</i>	-22.87	
			<i>For >1,000, Deduct</i>	-31.21	
21 13 13 00-0100	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	93.75	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.77	
			<i>For >100 To 500, Deduct</i>	-12.76	
			<i>For >500 To 1,000, Deduct</i>	-23.97	
			<i>For >1,000, Deduct</i>	-32.31	
21 13 13 00-0101	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	100.45	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-7.11	
			<i>For >100 To 500, Deduct</i>	-13.60	
			<i>For >500 To 1,000, Deduct</i>	-25.17	
			<i>For >1,000, Deduct</i>	-33.52	



Fire Suppression	21	12
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0102 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	93.75	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.77	
For >100 To 500, Deduct	-12.76	
For >500 To 1,000, Deduct	-23.97	
For >1,000, Deduct	-32.31	
21 13 13 00-0103 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	100.45	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-7.11	
For >100 To 500, Deduct	-13.60	
For >500 To 1,000, Deduct	-25.17	
For >1,000, Deduct	-33.52	
21 13 13 00-0104 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	78.26	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.00	
For >100 To 500, Deduct	-10.83	
For >500 To 1,000, Deduct	-21.18	
For >1,000, Deduct	-29.52	
21 13 13 00-0105 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	81.78	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.18	
For >100 To 500, Deduct	-11.27	
For >500 To 1,000, Deduct	-21.81	
For >1,000, Deduct	-30.16	
21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	83.61	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.27	
For >100 To 500, Deduct	-11.49	
For >500 To 1,000, Deduct	-22.14	
For >1,000, Deduct	-30.49	
21 13 13 00-0107 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	85.11	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.57	
For >100 To 500, Deduct	-11.80	
For >500 To 1,000, Deduct	-23.20	
For >1,000, Deduct	-32.47	
21 13 13 00-0108 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	88.58	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.75	
For >100 To 500, Deduct	-12.23	
For >500 To 1,000, Deduct	-23.82	
For >1,000, Deduct	-33.09	
21 13 13 00-0109 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	91.94	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.91	
For >100 To 500, Deduct	-12.65	
For >500 To 1,000, Deduct	-24.43	
For >1,000, Deduct	-33.70	
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	80.25	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.10	
For >100 To 500, Deduct	-11.07	
For >500 To 1,000, Deduct	-21.54	
For >1,000, Deduct	-29.88	
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	83.69	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.27	
For >100 To 500, Deduct	-11.50	
For >500 To 1,000, Deduct	-22.16	
For >1,000, Deduct	-30.50	
21 13 13 00-0112 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	85.57	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.36	
For >100 To 500, Deduct	-11.74	
For >500 To 1,000, Deduct	-22.50	
For >1,000, Deduct	-30.84	
21 13 13 00-0113 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	86.58	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.65	
For >100 To 500, Deduct	-11.98	
For >500 To 1,000, Deduct	-23.46	
For >1,000, Deduct	-32.73	
21 13 13 00-0114 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	90.20	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.83	
For >100 To 500, Deduct	-12.43	
For >500 To 1,000, Deduct	-24.12	
For >1,000, Deduct	-33.39	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0115	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	93.69	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-7.00	
			<i>For >100 To 500, Deduct</i>	-12.87	
			<i>For >500 To 1,000, Deduct</i>	-24.74	
			<i>For >1,000, Deduct</i>	-34.01	
21 13 13 00-0116	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	134.98	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100 To 500, Deduct</i>	-17.92	
			<i>For >500 To 1,000, Deduct</i>	-31.39	
			<i>For >1,000, Deduct</i>	-39.73	
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	134.98	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100 To 500, Deduct</i>	-17.92	
			<i>For >500 To 1,000, Deduct</i>	-31.39	
			<i>For >1,000, Deduct</i>	-39.73	
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	96.49	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-7.14	
			<i>For >100 To 500, Deduct</i>	-13.22	
			<i>For >500 To 1,000, Deduct</i>	-25.25	
			<i>For >1,000, Deduct</i>	-34.52	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	99.13	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-7.27	
			<i>For >100 To 500, Deduct</i>	-13.55	
			<i>For >500 To 1,000, Deduct</i>	-25.72	
			<i>For >1,000, Deduct</i>	-34.99	
21 13 13 00-0120	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	99.13	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-7.27	
			<i>For >100 To 500, Deduct</i>	-13.55	
			<i>For >500 To 1,000, Deduct</i>	-25.72	
			<i>For >1,000, Deduct</i>	-34.99	
21 13 13 00-0121	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	92.89	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.96	
			<i>For >100 To 500, Deduct</i>	-12.77	
			<i>For >500 To 1,000, Deduct</i>	-24.60	
			<i>For >1,000, Deduct</i>	-33.87	
21 13 13 00-0122	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	95.35	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-7.09	
			<i>For >100 To 500, Deduct</i>	-13.08	
			<i>For >500 To 1,000, Deduct</i>	-25.04	
			<i>For >1,000, Deduct</i>	-34.31	
21 13 13 00-0123	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	95.35	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-7.09	
			<i>For >100 To 500, Deduct</i>	-13.08	
			<i>For >500 To 1,000, Deduct</i>	-25.04	
			<i>For >1,000, Deduct</i>	-34.31	
21 13 13 00-0124	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	297.50	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-16.96	
			<i>For >100 To 500, Deduct</i>	-38.23	
			<i>For >500 To 1,000, Deduct</i>	-60.64	
			<i>For >1,000, Deduct</i>	-68.99	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	327.48	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-18.69	
			<i>For >100 To 500, Deduct</i>	-42.09	
			<i>For >500 To 1,000, Deduct</i>	-66.83	
			<i>For >1,000, Deduct</i>	-76.10	
21 13 13 00-0126	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	153.72	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-9.77	
			<i>For >100 To 500, Deduct</i>	-20.26	
			<i>For >500 To 1,000, Deduct</i>	-34.76	
			<i>For >1,000, Deduct</i>	-43.11	
21 13 13 00-0127	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	191.18	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-11.65	
			<i>For >100 To 500, Deduct</i>	-24.94	
			<i>For >500 To 1,000, Deduct</i>	-41.50	
			<i>For >1,000, Deduct</i>	-49.85	
21 13 13 00-0128	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	347.83	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-19.48	
			<i>For >100 To 500, Deduct</i>	-44.52	
			<i>For >500 To 1,000, Deduct</i>	-69.70	
			<i>For >1,000, Deduct</i>	-78.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0129 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	445.45	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-24.36	
<i>For >100 To 500, Deduct</i>	-56.72	
<i>For >500 To 1,000, Deduct</i>	-87.27	
<i>For >1,000, Deduct</i>	-95.62	
21 13 13 00-0130 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	195.81	11.59
<i>For >25 To 50, Deduct</i>	-2.32	
<i>For >50 To 100, Deduct</i>	-12.11	
<i>For >100 To 500, Deduct</i>	-25.64	
<i>For >500 To 1,000, Deduct</i>	-43.13	
<i>For >1,000, Deduct</i>	-52.40	
21 13 13 00-0131 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	196.94	11.59
<i>For >25 To 50, Deduct</i>	-2.32	
<i>For >50 To 100, Deduct</i>	-12.16	
<i>For >100 To 500, Deduct</i>	-25.78	
<i>For >500 To 1,000, Deduct</i>	-43.33	
<i>For >1,000, Deduct</i>	-52.60	
21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0132)</small>		
21 13 13 00-0134 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	77.04	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-5.94	
<i>For >100 To 500, Deduct</i>	-10.67	
<i>For >500 To 1,000, Deduct</i>	-20.96	
<i>For >1,000, Deduct</i>	-29.30	
21 13 13 00-0135 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	79.54	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-6.06	
<i>For >100 To 500, Deduct</i>	-10.99	
<i>For >500 To 1,000, Deduct</i>	-21.41	
<i>For >1,000, Deduct</i>	-29.75	
21 13 13 00-0136 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	83.49	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-6.26	
<i>For >100 To 500, Deduct</i>	-11.48	
<i>For >500 To 1,000, Deduct</i>	-22.12	
<i>For >1,000, Deduct</i>	-30.46	
21 13 13 00-0137 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	78.45	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-6.01	
<i>For >100 To 500, Deduct</i>	-10.85	
<i>For >500 To 1,000, Deduct</i>	-21.21	
<i>For >1,000, Deduct</i>	-29.56	
21 13 13 00-0138 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	81.00	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-6.14	
<i>For >100 To 500, Deduct</i>	-11.17	
<i>For >500 To 1,000, Deduct</i>	-21.67	
<i>For >1,000, Deduct</i>	-30.02	
21 13 13 00-0139 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	85.03	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-6.34	
<i>For >100 To 500, Deduct</i>	-11.67	
<i>For >500 To 1,000, Deduct</i>	-22.40	
<i>For >1,000, Deduct</i>	-30.74	
21 13 13 00-0140 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	87.63	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-6.47	
<i>For >100 To 500, Deduct</i>	-12.00	
<i>For >500 To 1,000, Deduct</i>	-22.87	
<i>For >1,000, Deduct</i>	-31.21	
21 13 13 00-0141 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	91.70	10.43
<i>For >25 To 50, Deduct</i>	-2.09	
<i>For >50 To 100, Deduct</i>	-6.67	
<i>For >100 To 500, Deduct</i>	-12.51	
<i>For >500 To 1,000, Deduct</i>	-23.60	
<i>For >1,000, Deduct</i>	-31.94	
21 13 13 00-0142 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	94.33	11.59
<i>For >25 To 50, Deduct</i>	-2.32	
<i>For >50 To 100, Deduct</i>	-7.03	
<i>For >100 To 500, Deduct</i>	-12.95	
<i>For >500 To 1,000, Deduct</i>	-24.86	
<i>For >1,000, Deduct</i>	-34.13	
21 13 13 00-0143 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	100.43	11.59
<i>For >25 To 50, Deduct</i>	-2.32	
<i>For >50 To 100, Deduct</i>	-7.34	
<i>For >100 To 500, Deduct</i>	-13.71	
<i>For >500 To 1,000, Deduct</i>	-25.96	
<i>For >1,000, Deduct</i>	-35.23	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0144	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	96.41	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.91	
			<i>For >100 To 500, Deduct</i>	-13.09	
			<i>For >500 To 1,000, Deduct</i>	-24.45	
			<i>For >1,000, Deduct</i>	-32.79	
21 13 13 00-0145	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	100.45	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-7.11	
			<i>For >100 To 500, Deduct</i>	-13.60	
			<i>For >500 To 1,000, Deduct</i>	-25.17	
			<i>For >1,000, Deduct</i>	-33.52	
21 13 13 00-0146	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	96.41	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.91	
			<i>For >100 To 500, Deduct</i>	-13.09	
			<i>For >500 To 1,000, Deduct</i>	-24.45	
			<i>For >1,000, Deduct</i>	-32.79	
21 13 13 00-0147	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	100.45	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-7.11	
			<i>For >100 To 500, Deduct</i>	-13.60	
			<i>For >500 To 1,000, Deduct</i>	-25.17	
			<i>For >1,000, Deduct</i>	-33.52	
21 13 13 00-0148	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	74.91	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.83	
			<i>For >100 To 500, Deduct</i>	-10.41	
			<i>For >500 To 1,000, Deduct</i>	-20.58	
			<i>For >1,000, Deduct</i>	-28.92	
21 13 13 00-0149	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	76.98	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.94	
			<i>For >100 To 500, Deduct</i>	-10.67	
			<i>For >500 To 1,000, Deduct</i>	-20.95	
			<i>For >1,000, Deduct</i>	-29.29	
21 13 13 00-0150	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	79.55	10.43
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-6.06	
			<i>For >100 To 500, Deduct</i>	-10.99	
			<i>For >500 To 1,000, Deduct</i>	-21.41	
			<i>For >1,000, Deduct</i>	-29.76	
21 13 13 00-0151	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	81.96	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.42	
			<i>For >100 To 500, Deduct</i>	-11.40	
			<i>For >500 To 1,000, Deduct</i>	-22.63	
			<i>For >1,000, Deduct</i>	-31.90	
21 13 13 00-0152	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	84.18	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.53	
			<i>For >100 To 500, Deduct</i>	-11.68	
			<i>For >500 To 1,000, Deduct</i>	-23.03	
			<i>For >1,000, Deduct</i>	-32.30	
21 13 13 00-0153	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	86.57	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.65	
			<i>For >100 To 500, Deduct</i>	-11.98	
			<i>For >500 To 1,000, Deduct</i>	-23.46	
			<i>For >1,000, Deduct</i>	-32.73	
21 13 13 00-0154	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	83.72	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.50	
			<i>For >100 To 500, Deduct</i>	-11.62	
			<i>For >500 To 1,000, Deduct</i>	-22.95	
			<i>For >1,000, Deduct</i>	-32.22	
21 13 13 00-0155	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	86.02	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.62	
			<i>For >100 To 500, Deduct</i>	-11.91	
			<i>For >500 To 1,000, Deduct</i>	-23.36	
			<i>For >1,000, Deduct</i>	-32.63	
21 13 13 00-0156	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	88.51	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-6.74	
			<i>For >100 To 500, Deduct</i>	-12.22	
			<i>For >500 To 1,000, Deduct</i>	-23.81	
			<i>For >1,000, Deduct</i>	-33.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0157 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	88.55	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.75	
For >100 To 500, Deduct	-12.23	
For >500 To 1,000, Deduct	-23.82	
For >1,000, Deduct	-33.09	
21 13 13 00-0158 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	91.94	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.91	
For >100 To 500, Deduct	-12.65	
For >500 To 1,000, Deduct	-24.43	
For >1,000, Deduct	-33.70	
21 13 13 00-0159 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	91.94	11.59
For >25 To 50, Deduct	-2.32	
For >50 To 100, Deduct	-6.91	
For >100 To 500, Deduct	-12.65	
For >500 To 1,000, Deduct	-24.43	
For >1,000, Deduct	-33.70	
21 13 13 00-0160 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	157.50	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-9.96	
For >100 To 500, Deduct	-20.73	
For >500 To 1,000, Deduct	-35.44	
For >1,000, Deduct	-43.79	
21 13 13 00-0161 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	157.50	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-9.96	
For >100 To 500, Deduct	-20.73	
For >500 To 1,000, Deduct	-35.44	
For >1,000, Deduct	-43.79	
21 13 13 00-0162 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	75.77	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-5.87	
For >100 To 500, Deduct	-10.51	
For >500 To 1,000, Deduct	-20.73	
For >1,000, Deduct	-29.08	
21 13 13 00-0163 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	75.77	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-5.87	
For >100 To 500, Deduct	-10.51	
For >500 To 1,000, Deduct	-20.73	
For >1,000, Deduct	-29.08	
21 13 13 00-0164 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head.....	75.77	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-5.87	
For >100 To 500, Deduct	-10.51	
For >500 To 1,000, Deduct	-20.73	
For >1,000, Deduct	-29.08	
21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0132)</small>		
21 13 13 00-0166 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	80.28	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.10	
For >100 To 500, Deduct	-11.08	
For >500 To 1,000, Deduct	-21.54	
For >1,000, Deduct	-29.89	
21 13 13 00-0167 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	83.40	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.26	
For >100 To 500, Deduct	-11.47	
For >500 To 1,000, Deduct	-22.10	
For >1,000, Deduct	-30.45	
21 13 13 00-0168 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	84.74	10.43
For >25 To 50, Deduct	-2.09	
For >50 To 100, Deduct	-6.32	
For >100 To 500, Deduct	-11.64	
For >500 To 1,000, Deduct	-22.35	
For >1,000, Deduct	-30.69	
21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small>		
21 13 13 00-0171 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	116.94	13.91
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-8.63	
For >100 To 500, Deduct	-16.01	
For >500 To 1,000, Deduct	-30.50	
For >1,000, Deduct	-41.62	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0172	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head 80.33	80.33	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-6.80	
			For >100 To 500, Deduct	-11.43	
			For >500 To 1,000, Deduct	-23.91	
			For >1,000, Deduct	-35.04	
21 13 13 00-0173	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head 81.67	81.67	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-6.86	
			For >100 To 500, Deduct	-11.60	
			For >500 To 1,000, Deduct	-24.15	
			For >1,000, Deduct	-35.28	
21 13 13 00-0174	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head..... 104.47	104.47	15.06
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.24	
			For >100 To 500, Deduct	-14.57	
			For >500 To 1,000, Deduct	-29.05	
			For >1,000, Deduct	-41.10	
21 13 13 00-0175	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head..... 99.82	99.82	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-7.77	
			For >100 To 500, Deduct	-13.87	
			For >500 To 1,000, Deduct	-27.42	
			For >1,000, Deduct	-38.54	
21 13 13 00-0176	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head 99.82	99.82	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-7.77	
			For >100 To 500, Deduct	-13.87	
			For >500 To 1,000, Deduct	-27.42	
			For >1,000, Deduct	-38.54	
21 13 13 00-0177	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 104.47	104.47	15.06
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-8.24	
			For >100 To 500, Deduct	-14.57	
			For >500 To 1,000, Deduct	-29.05	
			For >1,000, Deduct	-41.10	
21 13 13 00-0178	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 91.25	91.25	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-7.34	
			For >100 To 500, Deduct	-12.80	
			For >500 To 1,000, Deduct	-25.88	
			For >1,000, Deduct	-37.00	
21 13 13 00-0179	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 99.82	99.82	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-7.77	
			For >100 To 500, Deduct	-13.87	
			For >500 To 1,000, Deduct	-27.42	
			For >1,000, Deduct	-38.54	
21 13 13 00-0180	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 99.82	99.82	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-7.77	
			For >100 To 500, Deduct	-13.87	
			For >500 To 1,000, Deduct	-27.42	
			For >1,000, Deduct	-38.54	
21 13 13 00-0181	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head 93.28	93.28	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-7.44	
			For >100 To 500, Deduct	-13.05	
			For >500 To 1,000, Deduct	-26.24	
			For >1,000, Deduct	-37.37	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head 160.14	160.14	16.22
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-3.24	
			For >50 To 100, Deduct	-11.25	
			For >100 To 500, Deduct	-21.64	
			For >500 To 1,000, Deduct	-39.86	
			For >1,000, Deduct	-52.83	
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head 86.99	86.99	13.91
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.78	
			For >50 To 100, Deduct	-7.13	
			For >100 To 500, Deduct	-12.26	
			For >500 To 1,000, Deduct	-25.11	
			For >1,000, Deduct	-36.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0184 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	91.08	15.06
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-3.01	
<i>For >50 To 100, Deduct</i>	-7.57	
<i>For >100 To 500, Deduct</i>	-12.89	
<i>For >500 To 1,000, Deduct</i>	-26.64	
<i>For >1,000, Deduct</i>	-38.69	
21 13 13 00-0185 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	88.19	13.91
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-2.78	
<i>For >50 To 100, Deduct</i>	-7.19	
<i>For >100 To 500, Deduct</i>	-12.41	
<i>For >500 To 1,000, Deduct</i>	-25.33	
<i>For >1,000, Deduct</i>	-36.45	
21 13 13 00-0186 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	92.84	15.06
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-3.01	
<i>For >50 To 100, Deduct</i>	-7.66	
<i>For >100 To 500, Deduct</i>	-13.11	
<i>For >500 To 1,000, Deduct</i>	-26.96	
<i>For >1,000, Deduct</i>	-39.01	
21 13 13 00-0187 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	105.03	15.06
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-3.01	
<i>For >50 To 100, Deduct</i>	-8.26	
<i>For >100 To 500, Deduct</i>	-14.64	
<i>For >500 To 1,000, Deduct</i>	-29.15	
<i>For >1,000, Deduct</i>	-41.20	
21 13 13 00-0188 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	187.92	16.22
<i>For >25 To 50, Deduct</i>	-3.24	
<i>For >50 To 100, Deduct</i>	-12.64	
<i>For >100 To 500, Deduct</i>	-25.11	
<i>For >500 To 1,000, Deduct</i>	-44.86	
<i>For >1,000, Deduct</i>	-57.83	
21 13 13 00-0189 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	187.92	16.22
<i>For >25 To 50, Deduct</i>	-3.24	
<i>For >50 To 100, Deduct</i>	-12.64	
<i>For >100 To 500, Deduct</i>	-25.11	
<i>For >500 To 1,000, Deduct</i>	-44.86	
<i>For >1,000, Deduct</i>	-57.83	
21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small>		
21 13 13 00-0191 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	127.12	13.91
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-2.78	
<i>For >50 To 100, Deduct</i>	-9.14	
<i>For >100 To 500, Deduct</i>	-17.28	
<i>For >500 To 1,000, Deduct</i>	-32.34	
<i>For >1,000, Deduct</i>	-43.46	
21 13 13 00-0192 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	143.69	15.06
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-3.01	
<i>For >50 To 100, Deduct</i>	-10.20	
<i>For >100 To 500, Deduct</i>	-19.47	
<i>For >500 To 1,000, Deduct</i>	-36.11	
<i>For >1,000, Deduct</i>	-48.16	
21 13 13 00-0193 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	97.35	13.91
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-2.78	
<i>For >50 To 100, Deduct</i>	-7.65	
<i>For >100 To 500, Deduct</i>	-13.56	
<i>For >500 To 1,000, Deduct</i>	-26.98	
<i>For >1,000, Deduct</i>	-38.10	
21 13 13 00-0194 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	97.47	15.06
Note: Excludes coverplate		
<i>For >25 To 50, Deduct</i>	-3.01	
<i>For >50 To 100, Deduct</i>	-7.89	
<i>For >100 To 500, Deduct</i>	-13.69	
<i>For >500 To 1,000, Deduct</i>	-27.79	
<i>For >1,000, Deduct</i>	-39.84	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	323.32	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-18.48	
			<i>For >100 To 500, Deduct</i>	-41.57	
			<i>For >500 To 1,000, Deduct</i>	-66.08	
			<i>For >1,000, Deduct</i>	-75.35	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	315.32	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-18.08	
			<i>For >100 To 500, Deduct</i>	-40.57	
			<i>For >500 To 1,000, Deduct</i>	-64.64	
			<i>For >1,000, Deduct</i>	-73.91	
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	131.04	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-8.87	
			<i>For >100 To 500, Deduct</i>	-17.54	
			<i>For >500 To 1,000, Deduct</i>	-31.47	
			<i>For >1,000, Deduct</i>	-40.74	
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	147.64	11.59
			<i>For >25 To 50, Deduct</i>	-2.32	
			<i>For >50 To 100, Deduct</i>	-9.70	
			<i>For >100 To 500, Deduct</i>	-19.61	
			<i>For >500 To 1,000, Deduct</i>	-34.45	
			<i>For >1,000, Deduct</i>	-43.72	
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories <small>(21 13 13 00-0011)</small>		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple <small>(21 13 13 00-0200)</small>		
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	52.20	12.15
			<i>For >25 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 500, Deduct</i>	-7.03	
			<i>For >500 To 1,000, Deduct</i>	-12.84	
			<i>For >1,000, Deduct</i>	-16.88	
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	52.20	12.15
			<i>For >25 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-3.62	
			<i>For >100 To 500, Deduct</i>	-7.03	
			<i>For >500 To 1,000, Deduct</i>	-12.84	
			<i>For >1,000, Deduct</i>	-16.88	
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	52.85	12.15
			<i>For >25 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-3.65	
			<i>For >100 To 500, Deduct</i>	-7.11	
			<i>For >500 To 1,000, Deduct</i>	-12.95	
			<i>For >1,000, Deduct</i>	-17.00	
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150).....	46.12	12.15
			<i>For >25 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100 To 500, Deduct</i>	-6.27	
			<i>For >500 To 1,000, Deduct</i>	-11.74	
			<i>For >1,000, Deduct</i>	-15.79	
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	46.12	12.15
			<i>For >25 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100 To 500, Deduct</i>	-6.27	
			<i>For >500 To 1,000, Deduct</i>	-11.74	
			<i>For >1,000, Deduct</i>	-15.79	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	46.12	12.15
			<i>For >25 To 50, Deduct</i>	-1.01	
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100 To 500, Deduct</i>	-6.27	
			<i>For >500 To 1,000, Deduct</i>	-11.74	
			<i>For >1,000, Deduct</i>	-15.79	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	51.65	13.20
			<i>For >25 To 50, Deduct</i>	-1.10	
			<i>For >50 To 100, Deduct</i>	-3.68	
			<i>For >100 To 500, Deduct</i>	-7.01	
			<i>For >500 To 1,000, Deduct</i>	-13.04	
			<i>For >1,000, Deduct</i>	-17.44	
21 13 13 00-0209			Sprinkler Head Escutcheon <small>(21 13 13 00-0200)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0210 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	20.05	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.35	
For >100 To 500, Deduct	-2.68	
For >500 To 1,000, Deduct	-4.79	
For >1,000, Deduct	-6.18	
21 13 13 00-0211 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0212 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0213 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	20.05	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.35	
For >100 To 500, Deduct	-2.68	
For >500 To 1,000, Deduct	-4.79	
For >1,000, Deduct	-6.18	
21 13 13 00-0214 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0215 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0216 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	18.85	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.29	
For >100 To 500, Deduct	-2.53	
For >500 To 1,000, Deduct	-4.57	
For >1,000, Deduct	-5.96	
21 13 13 00-0217 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0218 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0219 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	18.85	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.29	
For >100 To 500, Deduct	-2.53	
For >500 To 1,000, Deduct	-4.57	
For >1,000, Deduct	-5.96	
21 13 13 00-0220 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0221 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	13.44	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.02	
For >100 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.60	
For >1,000, Deduct	-4.99	
21 13 13 00-0222 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	19.45	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.32	
For >100 To 500, Deduct	-2.61	
For >500 To 1,000, Deduct	-4.68	
For >1,000, Deduct	-6.07	
21 13 13 00-0223 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	19.45	4.17
For >25 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-1.32	
For >100 To 500, Deduct	-2.61	
For >500 To 1,000, Deduct	-4.68	
For >1,000, Deduct	-6.07	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	7.28		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.60		
		<i>For >100 To 500, Deduct</i>	-1.03		
		<i>For >500 To 1,000, Deduct</i>	-2.10		
		<i>For >1,000, Deduct</i>	-3.02		
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	6.45		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.55		
		<i>For >100 To 500, Deduct</i>	-0.92		
		<i>For >500 To 1,000, Deduct</i>	-1.95		
		<i>For >1,000, Deduct</i>	-2.87		
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	6.67		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.57		
		<i>For >100 To 500, Deduct</i>	-0.95		
		<i>For >500 To 1,000, Deduct</i>	-1.99		
		<i>For >1,000, Deduct</i>	-2.91		
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	7.43		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.60		
		<i>For >100 To 500, Deduct</i>	-1.04		
		<i>For >500 To 1,000, Deduct</i>	-2.12		
		<i>For >1,000, Deduct</i>	-3.05		
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	6.60		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.56		
		<i>For >100 To 500, Deduct</i>	-0.94		
		<i>For >500 To 1,000, Deduct</i>	-1.98		
		<i>For >1,000, Deduct</i>	-2.90		
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	6.60		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.56		
		<i>For >100 To 500, Deduct</i>	-0.94		
		<i>For >500 To 1,000, Deduct</i>	-1.98		
		<i>For >1,000, Deduct</i>	-2.90		
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	8.29		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.65		
		<i>For >100 To 500, Deduct</i>	-1.15		
		<i>For >500 To 1,000, Deduct</i>	-2.28		
		<i>For >1,000, Deduct</i>	-3.21		
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	6.57		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.56		
		<i>For >100 To 500, Deduct</i>	-0.94		
		<i>For >500 To 1,000, Deduct</i>	-1.97		
		<i>For >1,000, Deduct</i>	-2.90		
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	6.57		3.06
		<i>For >25 To 50, Deduct</i>	-0.23		
		<i>For >50 To 100, Deduct</i>	-0.56		
		<i>For >100 To 500, Deduct</i>	-0.94		
		<i>For >500 To 1,000, Deduct</i>	-1.97		
		<i>For >1,000, Deduct</i>	-2.90		
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	11.11		4.28
		<i>For >25 To 50, Deduct</i>	-0.32		
		<i>For >50 To 100, Deduct</i>	-0.88		
		<i>For >100 To 500, Deduct</i>	-1.55		
		<i>For >500 To 1,000, Deduct</i>	-3.10		
		<i>For >1,000, Deduct</i>	-4.40		
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	10.65		4.28
		<i>For >25 To 50, Deduct</i>	-0.32		
		<i>For >50 To 100, Deduct</i>	-0.86		
		<i>For >100 To 500, Deduct</i>	-1.49		
		<i>For >500 To 1,000, Deduct</i>	-3.02		
		<i>For >1,000, Deduct</i>	-4.32		
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	10.80		4.28
		<i>For >25 To 50, Deduct</i>	-0.32		
		<i>For >50 To 100, Deduct</i>	-0.86		
		<i>For >100 To 500, Deduct</i>	-1.51		
		<i>For >500 To 1,000, Deduct</i>	-3.05		
		<i>For >1,000, Deduct</i>	-4.35		
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	11.26		4.28
		<i>For >25 To 50, Deduct</i>	-0.32		
		<i>For >50 To 100, Deduct</i>	-0.89		
		<i>For >100 To 500, Deduct</i>	-1.57		
		<i>For >500 To 1,000, Deduct</i>	-3.13		
		<i>For >1,000, Deduct</i>	-4.43		



Fire Suppression	21	21
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0237	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	10.80	4.28
			<i>For >25 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-3.05	
			<i>For >1,000, Deduct</i>	-4.35	
21 13 13 00-0238	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	11.11	4.28
			<i>For >25 To 50, Deduct</i>	-0.32	
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100 To 500, Deduct</i>	-1.55	
			<i>For >500 To 1,000, Deduct</i>	-3.10	
			<i>For >1,000, Deduct</i>	-4.40	
21 13 13 00-0239	EA		Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	24.90	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100 To 500, Deduct</i>	-3.29	
			<i>For >500 To 1,000, Deduct</i>	-5.66	
			<i>For >1,000, Deduct</i>	-7.05	
21 13 13 00-0240	EA		Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	24.90	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100 To 500, Deduct</i>	-3.29	
			<i>For >500 To 1,000, Deduct</i>	-5.66	
			<i>For >1,000, Deduct</i>	-7.05	
21 13 13 00-0241	EA		Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	24.90	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100 To 500, Deduct</i>	-3.29	
			<i>For >500 To 1,000, Deduct</i>	-5.66	
			<i>For >1,000, Deduct</i>	-7.05	
21 13 13 00-0242	EA		Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	24.90	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100 To 500, Deduct</i>	-3.29	
			<i>For >500 To 1,000, Deduct</i>	-5.66	
			<i>For >1,000, Deduct</i>	-7.05	
21 13 13 00-0243	EA		Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	24.90	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100 To 500, Deduct</i>	-3.29	
			<i>For >500 To 1,000, Deduct</i>	-5.66	
			<i>For >1,000, Deduct</i>	-7.05	
21 13 13 00-0244	EA		White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	24.90	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100 To 500, Deduct</i>	-3.29	
			<i>For >500 To 1,000, Deduct</i>	-5.66	
			<i>For >1,000, Deduct</i>	-7.05	
21 13 13 00-0245	EA		2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.00	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.80	
			<i>For >100 To 500, Deduct</i>	-3.80	
			<i>For >500 To 1,000, Deduct</i>	-6.40	
			<i>For >1,000, Deduct</i>	-7.79	
21 13 13 00-0246	EA		2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.96	4.17
			<i>For >25 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100 To 500, Deduct</i>	-3.92	
			<i>For >500 To 1,000, Deduct</i>	-6.57	
			<i>For >1,000, Deduct</i>	-7.96	
21 13 13 00-0247			Coverplate For Sprinkler Heads (21 13 13 00-0200)		
21 13 13 00-0248	EA		Chrome Coverplate For Concealed Pendent Sprinkler Head	61.24	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-3.46	
			<i>For >100 To 500, Deduct</i>	-7.85	
			<i>For >500 To 1,000, Deduct</i>	-12.36	
			<i>For >1,000, Deduct</i>	-13.94	
21 13 13 00-0249	EA		White Coverplate For Concealed Pendent Sprinkler Head	28.68	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-1.83	
			<i>For >100 To 500, Deduct</i>	-3.78	
			<i>For >500 To 1,000, Deduct</i>	-6.50	
			<i>For >1,000, Deduct</i>	-8.08	
21 13 13 00-0250	EA		Specialty Coverplate For Concealed Pendent Sprinkler Head	42.80	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.53	
			<i>For >100 To 500, Deduct</i>	-5.55	
			<i>For >500 To 1,000, Deduct</i>	-9.04	
			<i>For >1,000, Deduct</i>	-10.62	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0251	EA		Brass Coverplate For Concealed Sidewall Sprinkler Head.....	39.13	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100 To 500, Deduct</i>	-5.09	
			<i>For >500 To 1,000, Deduct</i>	-8.38	
			<i>For >1,000, Deduct</i>	-9.96	
21 13 13 00-0252	EA		Chrome Coverplate For Concealed Sidewall Sprinkler Head	30.82	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-1.94	
			<i>For >100 To 500, Deduct</i>	-4.05	
			<i>For >500 To 1,000, Deduct</i>	-6.89	
			<i>For >1,000, Deduct</i>	-8.46	
21 13 13 00-0253	EA		White Coverplate For Concealed Sidewall Sprinkler Head.....	30.82	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-1.94	
			<i>For >100 To 500, Deduct</i>	-4.05	
			<i>For >500 To 1,000, Deduct</i>	-6.89	
			<i>For >1,000, Deduct</i>	-8.46	
21 13 13 00-0254	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	39.13	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100 To 500, Deduct</i>	-5.09	
			<i>For >500 To 1,000, Deduct</i>	-8.38	
			<i>For >1,000, Deduct</i>	-9.96	
21 13 13 00-0255	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	39.13	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100 To 500, Deduct</i>	-5.09	
			<i>For >500 To 1,000, Deduct</i>	-8.38	
			<i>For >1,000, Deduct</i>	-9.96	
21 13 13 00-0256	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head	45.72	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100 To 500, Deduct</i>	-5.91	
			<i>For >500 To 1,000, Deduct</i>	-9.57	
			<i>For >1,000, Deduct</i>	-11.15	
21 13 13 00-0257	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	45.72	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100 To 500, Deduct</i>	-5.91	
			<i>For >500 To 1,000, Deduct</i>	-9.57	
			<i>For >1,000, Deduct</i>	-11.15	
21 13 13 00-0258	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	45.72	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100 To 500, Deduct</i>	-5.91	
			<i>For >500 To 1,000, Deduct</i>	-9.57	
			<i>For >1,000, Deduct</i>	-11.15	
21 13 13 00-0259	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	39.17	4.72
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100 To 500, Deduct</i>	-5.09	
			<i>For >500 To 1,000, Deduct</i>	-8.39	
			<i>For >1,000, Deduct</i>	-9.97	
21 13 13 00-0260	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	67.96	5.57
			<i>For >25 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-3.86	
			<i>For >100 To 500, Deduct</i>	-8.73	
			<i>For >500 To 1,000, Deduct</i>	-13.81	
			<i>For >1,000, Deduct</i>	-15.66	
21 13 13 00-0261			Sprinkler Escutcheon Extension Tube <small>(21 13 13 00-0200)</small>		
21 13 13 00-0262	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	14.95	2.78
			Note: For use with 2 piece escutcheons		
			<i>For >25 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100 To 500, Deduct</i>	-1.98	
			<i>For >500 To 1,000, Deduct</i>	-3.48	
			<i>For >1,000, Deduct</i>	-4.40	
21 13 13 00-0263	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	19.78	2.92
			Note: For use with 2 piece escutcheons		
			<i>For >25 To 50, Deduct</i>	-0.24	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100 To 500, Deduct</i>	-2.59	
			<i>For >500 To 1,000, Deduct</i>	-4.39	
			<i>For >1,000, Deduct</i>	-5.36	
21 13 13 00-0264	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	25.17	3.06
			Note: For use with 2 piece escutcheons		
			<i>For >25 To 50, Deduct</i>	-0.26	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100 To 500, Deduct</i>	-3.27	
			<i>For >500 To 1,000, Deduct</i>	-5.40	
			<i>For >1,000, Deduct</i>	-6.42	



Fire Suppression	21	21
Water-Based Fire-Suppression Systems	21 10	
Fire-Suppression Sprinkler Systems	21 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0265 EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....29.98		3.19
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-1.77	
For >100 To 500, Deduct	-3.88	
For >500 To 1,000, Deduct	-6.30	
For >1,000, Deduct	-7.37	
21 13 13 00-0266 Sprinkler Head Guards <small>(21 13 13 00-0200)</small>		
21 13 13 00-0267 EA Universal Sprinkler Head Guard, C-1 .....20.48		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.72	
For >100 To 500, Deduct	-2.91	
For >500 To 1,000, Deduct	-6.05	
For >1,000, Deduct	-8.83	
21 13 13 00-0268 EA Dry Pendent Sprinkler Head Guard, C-2 .....23.02		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.85	
For >100 To 500, Deduct	-3.23	
For >500 To 1,000, Deduct	-6.51	
For >1,000, Deduct	-9.29	
21 13 13 00-0269 EA Upright Sprinkler Head Guard With Water Shield, C-3 .....27.36		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-2.06	
For >100 To 500, Deduct	-3.77	
For >500 To 1,000, Deduct	-7.29	
For >1,000, Deduct	-10.07	
21 13 13 00-0270 EA Pendent Sprinkler Head Guard With Water Shield, C-5 .....32.71		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-2.33	
For >100 To 500, Deduct	-4.44	
For >500 To 1,000, Deduct	-8.25	
For >1,000, Deduct	-11.03	
21 13 13 00-0271 EA Universal Sprinkler Head Guard, D-1 .....22.92		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.84	
For >100 To 500, Deduct	-3.21	
For >500 To 1,000, Deduct	-6.49	
For >1,000, Deduct	-9.27	
21 13 13 00-0272 EA Upright Sprinkler Head Guard With Water Shield, D-3 .....24.57		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.92	
For >100 To 500, Deduct	-3.42	
For >500 To 1,000, Deduct	-6.79	
For >1,000, Deduct	-9.57	
21 13 13 00-0273 EA Pendent Sprinkler Head Guard With Large Water Shield, D-4 .....36.84		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-2.54	
For >100 To 500, Deduct	-4.95	
For >500 To 1,000, Deduct	-9.00	
For >1,000, Deduct	-11.78	
21 13 13 00-0274 EA Pendent Sprinkler Head Guard With Small Water Shield, D-5 .....34.38		8.34
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-2.41	
For >100 To 500, Deduct	-4.65	
For >500 To 1,000, Deduct	-8.55	
For >1,000, Deduct	-11.34	
21 13 13 00-0275 Replacement Sprinkler Escutcheon <small>(21 13 13 00-0200)</small>		
21 13 13 00-0276 EA Push On, Brass Replacement Sprinkler Escutcheon .....10.31		3.06
For >25 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.75	
For >100 To 500, Deduct	-1.40	
For >500 To 1,000, Deduct	-2.64	
For >1,000, Deduct	-3.57	
21 13 13 00-0277 EA Push On, Chrome Replacement Sprinkler Escutcheon .....10.23		3.06
For >25 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.39	
For >500 To 1,000, Deduct	-2.63	
For >1,000, Deduct	-3.55	
21 13 13 00-0278 EA Push On, White Replacement Sprinkler Escutcheon .....10.23		3.06
For >25 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.39	
For >500 To 1,000, Deduct	-2.63	
For >1,000, Deduct	-3.55	
21 13 13 00-0279 EA Flush, Brass Replacement Sprinkler Escutcheon .....10.23		3.06
For >25 To 50, Deduct	-0.23	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.39	
For >500 To 1,000, Deduct	-2.63	
For >1,000, Deduct	-3.55	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0280	EA		Flush, Chrome Replacement Sprinkler Escutcheon	10.23	3.06
			<i>For >25 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.63	
			<i>For >1,000, Deduct</i>	-3.55	
21 13 13 00-0281	EA		Flush, White Replacement Sprinkler Escutcheon	12.73	3.06
			<i>For >25 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 500, Deduct</i>	-1.71	
			<i>For >500 To 1,000, Deduct</i>	-3.08	
			<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0282	EA		Deep, Brass Replacement Sprinkler Escutcheon	10.23	3.06
			<i>For >25 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.63	
			<i>For >1,000, Deduct</i>	-3.55	
21 13 13 00-0283	EA		Deep, Chrome Replacement Sprinkler Escutcheon	10.23	3.06
			<i>For >25 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.63	
			<i>For >1,000, Deduct</i>	-3.55	
21 13 13 00-0284	EA		Deep, White Replacement Sprinkler Escutcheon	10.23	3.06
			<i>For >25 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.63	
			<i>For >1,000, Deduct</i>	-3.55	
21 13 13 00-0285			Pendent Shield And O-Ring Assembly <small>(21 13 13 00-0200)</small>		
21 13 13 00-0286	EA		Pendent Shield And O-Ring Assembly	16.01	6.12
			<i>For >25 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-1.26	
			<i>For >100 To 500, Deduct</i>	-2.23	
			<i>For >500 To 1,000, Deduct</i>	-4.46	
			<i>For >1,000, Deduct</i>	-6.31	
21 13 13 00-0287			Replacement Insulating Sealing Assembly <small>(21 13 13 00-0200)</small>		
21 13 13 00-0288	EA		Insulating Sealing Assembly	68.30	13.91
			<i>For >100 To 500, Deduct</i>	-9.23	
			<i>For >500 To 1,000, Deduct</i>	-17.02	
21 13 13 00-0289			Flexible Sprinkler Piping <small>(21 13 13 00-0011)</small>		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA		2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	70.56	14.37
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-1.45	
			<i>For >50 To 100, Deduct</i>	-4.98	
			<i>For >100 To 500, Deduct</i>	-9.54	
			<i>For >500 To 1,000, Deduct</i>	-17.63	
			<i>For >1,000, Deduct</i>	-23.42	
21 13 13 00-0291	EA		3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	78.42	14.83
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-1.52	
			<i>For >50 To 100, Deduct</i>	-5.45	
			<i>For >100 To 500, Deduct</i>	-10.56	
			<i>For >500 To 1,000, Deduct</i>	-19.30	
			<i>For >1,000, Deduct</i>	-25.40	
21 13 13 00-0292	EA		4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	86.43	15.76
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-1.61	
			<i>For >50 To 100, Deduct</i>	-5.93	
			<i>For >100 To 500, Deduct</i>	-11.61	
			<i>For >500 To 1,000, Deduct</i>	-21.03	
			<i>For >1,000, Deduct</i>	-27.47	
21 13 13 00-0293	EA		5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	94.66	16.69
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-6.44	
			<i>For >100 To 500, Deduct</i>	-12.68	
			<i>For >500 To 1,000, Deduct</i>	-22.83	
			<i>For >1,000, Deduct</i>	-29.65	
21 13 13 00-0294	EA		6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	103.11	18.54
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-1.81	
			<i>For >50 To 100, Deduct</i>	-6.97	
			<i>For >100 To 500, Deduct</i>	-13.79	
			<i>For >500 To 1,000, Deduct</i>	-24.72	
			<i>For >1,000, Deduct</i>	-31.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0295	Sprinkler Emergency Cabinets <small>(21 13 13 00-0011)</small>	
21 13 13 00-0296	EA 3 Capacity Emergency Sprinkler Cabinet, A4	125.53
21 13 13 00-0297	EA 6 Capacity Emergency Sprinkler Cabinet, A4	130.16
21 13 13 00-0298	EA 12 Capacity Emergency Sprinkler Cabinet, A4	143.75
21 13 13 00-0299	EA 12 Capacity Emergency Sprinkler Cabinet, A3	497.81
21 13 13 00-0300	EA Sprinkler Wrench, RC1	261.88
21 13 13 00-0301	EA Sprinkler Wrench, FC	260.87
21 13 13 00-0302	EA Sprinkler Wrench, W2	86.62

21 13 16 Dry-Pipe Sprinkler Systems (21 13)

21 13 16 00-0001	Complete Dry Pipe Sprinkler Systems Assembly <small>(21 13 16)</small>	
<p>Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1411 for individual grooved pipe, 23 21 13 23-1484 for individual grooved pipe fittings.</p>		

21 13 16 00-0002	Light Hazard, Dry-Pipe Sprinkler System Assemblies <small>(21 13 16 00-0001)</small>	
21 13 16 00-0003	EA Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,047.08
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>		
	<i>For Up To 5, Add</i>	451.37
	<i>For >5 To 10, Add</i>	186.05
	<i>For >10 To 20, Add</i>	153.52
	<i>For >20 To 40, Add</i>	68.62
	<i>For >100 To 150, Deduct</i>	-104.71
	<i>For >150, Deduct</i>	-209.42
	<i>For Copper Pipe, Add</i>	140.79
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-193.15
21 13 16 00-0004	EA Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,217.11
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>		
	<i>For Up To 5, Add</i>	530.98
	<i>For >5 To 10, Add</i>	232.05
	<i>For >10 To 20, Add</i>	187.92
	<i>For >20 To 40, Add</i>	82.92
	<i>For >100 To 150, Deduct</i>	-121.71
	<i>For >150, Deduct</i>	-243.42
	<i>For Copper Pipe, Add</i>	160.50
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-221.35
	<i>For Work In Restricted Working Space, Add</i>	132.41

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)

21 13 16 00-0006	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,008.67
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>		
	<i>For Up To 5, Add</i>	435.60
	<i>For >5 To 10, Add</i>	181.20
	<i>For >10 To 20, Add</i>	149.07
	<i>For >20 To 40, Add</i>	66.50
	<i>For >100 To 150, Deduct</i>	-100.87
	<i>For >150, Deduct</i>	-201.73
	<i>For Copper Pipe, Add</i>	135.23
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-185.67
21 13 16 00-0007	EA Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	1,174.91
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</p>		
	<i>For Up To 5, Add</i>	513.57
	<i>For >5 To 10, Add</i>	226.50
	<i>For >10 To 20, Add</i>	182.90
	<i>For >20 To 40, Add</i>	80.55
	<i>For >100 To 150, Deduct</i>	-117.49
	<i>For >150, Deduct</i>	-234.98
	<i>For Copper Pipe, Add</i>	154.43
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-213.18
	<i>For Work In Restricted Working Space, Add</i>	130.81

21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)

21 13 16 00-0009	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	950.70
<p>Note: Includes branch pipe and fittings, supports and sprinkler heads.</p>		
	<i>For Up To 5, Add</i>	410.22
	<i>For >5 To 10, Add</i>	169.93
	<i>For >10 To 20, Add</i>	139.98
	<i>For >20 To 40, Add</i>	62.51
	<i>For >100 To 150, Deduct</i>	-95.07
	<i>For >150, Deduct</i>	-190.14
	<i>For Copper Pipe, Add</i>	127.63
	<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-175.17

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0010	EA		Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly 1,093.26 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Up To 5, Add 477.92 For >5 To 10, Add 210.86 For >10 To 20, Add 170.25 For >20 To 40, Add 74.97 For >100 To 150, Deduct -109.33 For >150, Deduct -218.65 For Copper Pipe, Add 143.68 For Polyvinyl Chloride (PVC) Pipe, Deduct -198.35 For Work In Restricted Working Space, Add 121.84		
21 13 16 00-0011			Dry-Pipe Sprinkler System Compressors (21 13 16 00-0001)		
21 13 16 00-0012	EA		Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge 2,523.01		292.75
21 13 16 00-0013	EA		Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge 2,638.69		292.75
21 13 16 00-0014	EA		Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge 2,736.29		292.75
21 13 16 00-0015	EA		Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge 3,115.84		292.75
21 13 16 00-0016			Dry Pipe Sprinkler System Components (21 13 16)		
21 13 16 00-0017			Dry Pipe Valves (21 13 16 00-0016) Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA		2-1/2" Dry Pipe Valve..... 4,364.02		181.50
21 13 16 00-0019	EA		3" Dry Pipe Valve..... 4,855.69		207.90
21 13 16 00-0020	EA		4" Dry Pipe Valve..... 5,351.10		353.10
21 13 16 00-0021	EA		6" Dry Pipe Valve..... 6,787.18		445.51
21 13 16 00-0022	EA		8" Dry Pipe Valve..... 10,459.86		448.81
21 13 16 00-0023			Dry Pipe Valve Trim (21 13 16 00-0016) Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA		2-1/2" Dry Pipe Valve Trim..... 2,015.55		256.08
21 13 16 00-0025	EA		3" Dry Pipe Valve Trim..... 2,055.15		281.60
21 13 16 00-0026	EA		4" Dry Pipe Valve Trim..... 2,289.97		351.12
21 13 16 00-0027	EA		6" Dry Pipe Valve Trim..... 2,404.38		422.41
21 13 16 00-0028	EA		8" Dry Pipe Valve Trim..... 2,709.87		475.21
21 13 16 00-0029			Dry Pipe Fire Protection Air Compressors (21 13 16 00-0016)		
21 13 16 00-0030	EA		1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors 1,363.59		170.02
21 13 16 00-0031	EA		3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors 1,651.11		180.98
21 13 16 00-0032	EA		4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors 2,107.44		193.05
21 13 16 00-0033	EA		6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors 2,297.75		222.67
21 13 16 00-0034	EA		7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors 2,842.26		263.26
21 13 16 00-0035	EA		11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors 3,582.65		278.61
21 13 16 00-0036	EA		14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors 4,333.71		289.58
21 13 16 00-0037			Dry Pipe Fire Protection Nitrogen Generator (21 13 16 00-0016)		
21 13 16 00-0038	EA		675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator 9,745.07		263.26
21 13 16 00-0039	EA		950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator 10,810.83		278.61
21 13 16 00-0040	EA		2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator 15,352.39		361.98
21 13 16 00-0041			Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0042	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head 229.45		18.36
			For >25 To 50, Deduct -2.78		
			For >50 To 100, Deduct -14.25		
			For >100 To 500, Deduct -30.07		
			For >500 To 1,000, Deduct -50.76		
			For >1,000, Deduct -61.88		
21 13 16 00-0043	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head..... 239.46		18.36
			For >25 To 50, Deduct -2.78		
			For >50 To 100, Deduct -14.75		
			For >100 To 500, Deduct -31.32		
			For >500 To 1,000, Deduct -52.56		
			For >1,000, Deduct -63.68		
21 13 16 00-0044	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head..... 249.48		18.36
			For >25 To 50, Deduct -2.78		
			For >50 To 100, Deduct -15.26		
			For >100 To 500, Deduct -32.58		
			For >500 To 1,000, Deduct -54.36		
			For >1,000, Deduct -65.49		
21 13 16 00-0045	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head..... 259.52		18.36
			For >25 To 50, Deduct -2.78		
			For >50 To 100, Deduct -15.76		
			For >100 To 500, Deduct -33.83		
			For >500 To 1,000, Deduct -56.17		
			For >1,000, Deduct -67.29		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0046 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	269.54	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-16.26	
For >100 To 500, Deduct	-35.08	
For >500 To 1,000, Deduct	-57.97	
For >1,000, Deduct	-69.10	
21 13 16 00-0047 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	279.56	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-16.76	
For >100 To 500, Deduct	-36.34	
For >500 To 1,000, Deduct	-59.78	
For >1,000, Deduct	-70.90	
21 13 16 00-0048 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	289.57	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-17.26	
For >100 To 500, Deduct	-37.59	
For >500 To 1,000, Deduct	-61.58	
For >1,000, Deduct	-72.70	
21 13 16 00-0049 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	299.61	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-17.76	
For >100 To 500, Deduct	-38.84	
For >500 To 1,000, Deduct	-63.39	
For >1,000, Deduct	-74.51	
21 13 16 00-0050 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	309.62	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-18.26	
For >100 To 500, Deduct	-40.09	
For >500 To 1,000, Deduct	-65.19	
For >1,000, Deduct	-76.31	
21 13 16 00-0051 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	319.64	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-18.76	
For >100 To 500, Deduct	-41.35	
For >500 To 1,000, Deduct	-66.99	
For >1,000, Deduct	-78.11	
21 13 16 00-0052 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	329.68	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-19.27	
For >100 To 500, Deduct	-42.60	
For >500 To 1,000, Deduct	-68.80	
For >1,000, Deduct	-79.92	
21 13 16 00-0053 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	339.70	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-19.77	
For >100 To 500, Deduct	-43.85	
For >500 To 1,000, Deduct	-70.60	
For >1,000, Deduct	-81.73	
21 13 16 00-0054 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	349.74	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-20.27	
For >100 To 500, Deduct	-45.11	
For >500 To 1,000, Deduct	-72.41	
For >1,000, Deduct	-83.53	
21 13 16 00-0055 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	359.74	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-20.77	
For >100 To 500, Deduct	-46.36	
For >500 To 1,000, Deduct	-74.21	
For >1,000, Deduct	-85.33	
21 13 16 00-0056 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	369.77	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-21.27	
For >100 To 500, Deduct	-47.61	
For >500 To 1,000, Deduct	-76.01	
For >1,000, Deduct	-87.14	
21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0058 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	227.03	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-14.13	
For >100 To 500, Deduct	-29.77	
For >500 To 1,000, Deduct	-50.32	
For >1,000, Deduct	-61.44	
21 13 16 00-0059 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	237.07	18.36
For >25 To 50, Deduct	-2.78	
For >50 To 100, Deduct	-14.63	
For >100 To 500, Deduct	-31.02	
For >500 To 1,000, Deduct	-52.13	
For >1,000, Deduct	-63.25	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	247.11		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-15.14		
		<i>For>100 To 500, Deduct</i>	-32.28		
		<i>For>500 To 1,000, Deduct</i>	-53.94		
		<i>For>1,000, Deduct</i>	-65.06		
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	257.10		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-15.64		
		<i>For>100 To 500, Deduct</i>	-33.53		
		<i>For>500 To 1,000, Deduct</i>	-55.73		
		<i>For>1,000, Deduct</i>	-66.86		
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	267.13		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-16.14		
		<i>For>100 To 500, Deduct</i>	-34.78		
		<i>For>500 To 1,000, Deduct</i>	-57.54		
		<i>For>1,000, Deduct</i>	-68.66		
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	277.14		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-16.64		
		<i>For>100 To 500, Deduct</i>	-36.03		
		<i>For>500 To 1,000, Deduct</i>	-59.34		
		<i>For>1,000, Deduct</i>	-70.46		
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	287.19		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-17.14		
		<i>For>100 To 500, Deduct</i>	-37.29		
		<i>For>500 To 1,000, Deduct</i>	-61.15		
		<i>For>1,000, Deduct</i>	-72.27		
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	297.21		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-17.64		
		<i>For>100 To 500, Deduct</i>	-38.54		
		<i>For>500 To 1,000, Deduct</i>	-62.95		
		<i>For>1,000, Deduct</i>	-74.08		
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	307.21		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-18.14		
		<i>For>100 To 500, Deduct</i>	-39.79		
		<i>For>500 To 1,000, Deduct</i>	-64.75		
		<i>For>1,000, Deduct</i>	-75.88		
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	317.23		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-18.64		
		<i>For>100 To 500, Deduct</i>	-41.04		
		<i>For>500 To 1,000, Deduct</i>	-66.56		
		<i>For>1,000, Deduct</i>	-77.68		
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	327.27		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-19.14		
		<i>For>100 To 500, Deduct</i>	-42.30		
		<i>For>500 To 1,000, Deduct</i>	-68.36		
		<i>For>1,000, Deduct</i>	-79.49		
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	337.28		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-19.65		
		<i>For>100 To 500, Deduct</i>	-43.55		
		<i>For>500 To 1,000, Deduct</i>	-70.17		
		<i>For>1,000, Deduct</i>	-81.29		
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	367.37		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-21.15		
		<i>For>100 To 500, Deduct</i>	-47.31		
		<i>For>500 To 1,000, Deduct</i>	-75.58		
		<i>For>1,000, Deduct</i>	-86.71		
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	377.39		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-21.65		
		<i>For>100 To 500, Deduct</i>	-48.56		
		<i>For>500 To 1,000, Deduct</i>	-77.39		
		<i>For>1,000, Deduct</i>	-88.51		
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	381.39		18.36
		<i>For>25 To 50, Deduct</i>	-2.78		
		<i>For>50 To 100, Deduct</i>	-21.85		
		<i>For>100 To 500, Deduct</i>	-49.06		
		<i>For>500 To 1,000, Deduct</i>	-78.11		
		<i>For>1,000, Deduct</i>	-89.23		

21 13 16 00-0073 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response (21 13 16 00-0016)



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0074	EA		23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,081.12	18.36
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-57.07	
			For >100 To 500, Deduct	-136.65	
			For >500 To 1,000, Deduct	-204.85	
			For >1,000, Deduct	-216.90	
21 13 16 00-0075	EA		30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,081.12	18.36
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-57.07	
			For >100 To 500, Deduct	-136.65	
			For >500 To 1,000, Deduct	-204.85	
			For >1,000, Deduct	-216.90	
21 13 16 00-0076	EA		36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,081.12	18.36
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-57.07	
			For >100 To 500, Deduct	-136.65	
			For >500 To 1,000, Deduct	-204.85	
			For >1,000, Deduct	-216.90	
21 13 16 00-0077	EA		36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head.....	1,081.12	18.36
			For >25 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-57.07	
			For >100 To 500, Deduct	-136.65	
			For >500 To 1,000, Deduct	-204.85	
			For >1,000, Deduct	-216.90	

21 13 19 Preaction Sprinkler Systems (21 13)

21 13 19 00-0001			Complete Preaction Sprinkler Systems Assemblies (21 13 19) Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1411 for individual grooved pipe, 23 21 13 23-1484 for individual grooved pipe fittings.		
21 13 19 00-0002			Ordinary Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)		
21 13 19 00-0003	EA		Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	912.83	
			For Up To 5, Add	397.26	
			For >5 To 10, Add	230.76	
			For >10 To 20, Add	139.48	
			For >20 To 40, Add	61.71	
			For >100 To 150, Deduct	-91.28	
			For >150, Deduct	-182.57	
21 13 19 00-0004			Extra Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)		
21 13 19 00-0005	EA		Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	849.37	
			For Up To 5, Add	369.69	
			For >5 To 10, Add	214.79	
			For >10 To 20, Add	129.85	
			For >20 To 40, Add	57.44	
			For >100 To 150, Deduct	-84.94	
			For >150, Deduct	-169.87	

21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)

21 13 26 00-0001			Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26) See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002			Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment (21 13 26 00-0001)		
21 13 26 00-0003	EA		3" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment For Dry-Pilot Activation, Add	8,249.57 721.96	515.04
21 13 26 00-0004	EA		4" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment For Dry-Pilot Activation, Add	10,231.91 907.32	579.37
21 13 26 00-0005	EA		6" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment For Dry-Pilot Activation, Add	4,967.53 328.21	842.74
21 13 26 00-0006	EA		8" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment For Dry-Pilot Activation, Add	20,655.87 1,863.04	1,012.74

21 13 39 Foam-Water Systems (21 13)

21 13 39 00-0001			Foam Control Valves And Monitors (21 13 39)		
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21	21	Fire Suppression
	21 10	Water-Based Fire-Suppression Systems
	21 13	Fire-Suppression Sprinkler Systems



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
21 13 39 00-0002		Control Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0003	EA	3" Foam Control Valve.....	4,250.04	515.04
21 13 39 00-0004		Supply Valves <small>(21 13 39 00-0001)</small>		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve.....	3,663.23	579.37
21 13 39 00-0006		Proportioners <small>(21 13 39 00-0001)</small>		
21 13 39 00-0007	EA	8" Foam Proportioner.....	2,486.09	842.74
21 13 39 00-0008		Monitors <small>(21 13 39 00-0001)</small>		
21 13 39 00-0009	EA	Oscillating Foam Monitor.....	5,027.67	115.87
21 13 41		Fire-Suppression Sprinkler Piping <small>(21 13)</small>		
See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0813 for flanged black steel pipe fittings, 23 21 13 23-1411 for grooved pipe, 23 21 13 23-1484 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.				
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41)</small>		
Note: SDR 13.5				
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	5.17	1.48
			<i>For Work In Restricted Working Space, Add</i>	1.11
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	6.22	1.57
			<i>For Work In Restricted Working Space, Add</i>	1.19
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	7.88	1.76
			<i>For Work In Restricted Working Space, Add</i>	1.31
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	9.71	1.95
			<i>For Work In Restricted Working Space, Add</i>	1.45
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	12.52	2.13
			<i>For Work In Restricted Working Space, Add</i>	1.61
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	17.26	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.84
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe.....	24.20	2.87
			<i>For Work In Restricted Working Space, Add</i>	2.17
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	24.15	8.90
			<i>For Work In Restricted Working Space, Add</i>	6.68
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	32.03	11.12
			<i>For Work In Restricted Working Space, Add</i>	8.37
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	40.07	13.91
			<i>For Work In Restricted Working Space, Add</i>	10.46
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	45.95	15.39
			<i>For Work In Restricted Working Space, Add</i>	11.57
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	52.22	17.24
			<i>For Work In Restricted Working Space, Add</i>	12.90
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	66.64	19.56
			<i>For Work In Restricted Working Space, Add</i>	14.68
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping.....	81.92	23.17
			<i>For Work In Restricted Working Space, Add</i>	17.35
21 13 41 00-0018		Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	24.82	8.90
			<i>For Work In Restricted Working Space, Add</i>	6.68
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	30.96	11.12
			<i>For Work In Restricted Working Space, Add</i>	8.37
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	39.26	13.91
			<i>For Work In Restricted Working Space, Add</i>	10.46
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	44.66	15.39
			<i>For Work In Restricted Working Space, Add</i>	11.57
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	50.60	17.24
			<i>For Work In Restricted Working Space, Add</i>	12.90
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	62.57	19.56
			<i>For Work In Restricted Working Space, Add</i>	14.68
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping.....	77.44	23.17
			<i>For Work In Restricted Working Space, Add</i>	17.35
21 13 41 00-0026		Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping.....	35.94	13.35
			<i>For Work In Restricted Working Space, Add</i>	10.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	46.98 12.57	16.78
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	59.93 15.68	20.95
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	69.10 17.35	23.17
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	81.21 19.36	25.77
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	100.54 22.03	29.39
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	118.77 26.03	34.67
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	43.36 11.71	15.66
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	56.70 14.63	19.56
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	63.57 16.19	21.60
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	75.59 18.08	24.10
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	89.59 20.55	27.44
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	105.36 24.31	32.35
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	48.56 13.35	17.80
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	60.89 16.74	22.34
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	76.76 20.91	27.90
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	86.75 23.14	30.87
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	101.89 25.81	34.39
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	132.46 29.37	39.12
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	16.65 4.45	5.93
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	22.30 5.98	7.97
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	29.60 7.84	10.47
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	33.86 8.68	11.59
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	38.96 9.68	12.88
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	46.96 11.01	14.65
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	56.75 13.01	17.34
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	8.51 2.23	2.97
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	13.52 3.59	4.83
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	15.58 3.92	5.19
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	17.92 4.34	5.75
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	21.35 4.84	6.49
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	25.89 5.51	7.32
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	33.90 6.51	8.72
21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	23.39	8.81
<i>For Work In Restricted Working Space, Add</i>	6.59	
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	31.05	11.50
<i>For Work In Restricted Working Space, Add</i>	8.62	
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	34.30	12.70
<i>For Work In Restricted Working Space, Add</i>	9.54	
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	39.17	14.18
<i>For Work In Restricted Working Space, Add</i>	10.65	
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	46.72	16.13
<i>For Work In Restricted Working Space, Add</i>	12.13	
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	57.24	19.10
<i>For Work In Restricted Working Space, Add</i>	14.32	
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	21.05	6.49
<i>For Work In Restricted Working Space, Add</i>	4.89	
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	26.99	8.81
<i>For Work In Restricted Working Space, Add</i>	6.59	
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	21.05	6.49
<i>For Work In Restricted Working Space, Add</i>	4.89	
21 13 41 00-0076 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	26.99	8.81
<i>For Work In Restricted Working Space, Add</i>	6.59	
21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0078 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	24.43	7.97
<i>For Work In Restricted Working Space, Add</i>	6.01	
21 13 41 00-0079 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	31.30	10.02
<i>For Work In Restricted Working Space, Add</i>	7.54	
21 13 41 00-0080 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	32.65	10.02
<i>For Work In Restricted Working Space, Add</i>	7.54	
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	40.07	13.35
<i>For Work In Restricted Working Space, Add</i>	10.01	
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	49.15	16.78
<i>For Work In Restricted Working Space, Add</i>	12.57	
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	64.35	20.95
<i>For Work In Restricted Working Space, Add</i>	15.68	
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	73.78	23.17
<i>For Work In Restricted Working Space, Add</i>	17.35	
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	86.90	25.77
<i>For Work In Restricted Working Space, Add</i>	19.36	
21 20 Fire-Extinguishing Systems (21)		
21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)		
21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)		
21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)		
21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 LB	5,109.27	250.56
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 LB (Each)	10,218.54	501.10
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	544.74	130.11
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle	272.11	45.78
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing	55.91	18.56
21 22 Clean-Agent Fire-Extinguishing Systems (21 20)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

21 22 16 00-0001	Ansul Fire Control Systems (21 22 16)	
21 22 16 00-0002	Sapphire® Fire Suppression Systems (21 22 16 00-0001) Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.	
21 22 16 00-0003	Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0004	EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,620.80 85.42
	Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0005	EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,846.85 85.42
	Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0006	EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,876.57 85.42
	Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0007	EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,663.02 113.89
	Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0008	EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,812.45 113.89
	Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0009	EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	3,008.24 142.36
	Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0010	EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	3,190.45 142.36
	Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0011	EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,808.23 170.83
	Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.	
21 22 16 00-0012	LB Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230).....	40.37 170.83
	Note: Add to empty tank cost.	
21 22 16 00-0013	Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0014	EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	155.73 14.24
21 22 16 00-0015	EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	159.58 14.24
21 22 16 00-0016	EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	169.23 14.24
21 22 16 00-0017	EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	175.98 14.24
21 22 16 00-0018	EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	185.62 14.24
21 22 16 00-0019	EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	214.53 14.24
21 22 16 00-0020	EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	155.73 14.24
21 22 16 00-0021	EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	159.58 14.24
21 22 16 00-0022	EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	169.23 14.24
21 22 16 00-0023	EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	175.98 14.24
21 22 16 00-0024	EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	185.62 14.24
21 22 16 00-0025	EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	214.53 14.24
21 22 16 00-0026	Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)	
21 22 16 00-0027	EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	14.49 4.27
21 22 16 00-0028	EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	16.15 4.27
21 22 16 00-0029	EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	22.64 9.96
21 22 16 00-0030	EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	51.70 12.75
21 22 16 00-0031	EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	75.64 12.75
21 22 16 00-0032	EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	90.90 12.75
21 22 16 00-0033	EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	46.19 12.75
21 22 16 00-0034	EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	325.14 113.89
21 22 16 00-0035	EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	309.65 85.42
21 22 16 00-0036	EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	683.78 113.89
21 22 16 00-0037	Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0038	EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	51.61 14.24
21 22 16 00-0039	EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	55.96 14.24
21 22 16 00-0040	Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0041	EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	158.69 42.71
21 22 16 00-0042	EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	167.37 42.71
21 22 16 00-0043	EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	178.46 42.71
21 22 16 00-0044	Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0045	EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	415.14 45.33
21 22 16 00-0046	EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	584.73 77.78
21 22 16 00-0047	Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)	
21 22 16 00-0048	EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	133.11 28.47
21 22 16 00-0049	EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	487.90 28.47
21 22 16 00-0050	EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	411.73 28.47
21 22 16 00-0051	EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841).....	1,797.29 113.89

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0052			Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053	EA		1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	48.34	19.93
21 22 16 00-0054	EA		2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	84.38	19.93
21 22 16 00-0055	EA		3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	230.93	14.24
21 22 16 00-0056	EA		3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	299.12	14.24
21 22 16 00-0057			Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058	EA		Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585).....	178.00	56.95
21 22 16 00-0059	EA		Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	174.13	23.92
21 22 16 00-0060	EA		Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	539.61	99.65
21 22 16 00-0061			Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0062	EA		Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	616.37	19.93
21 22 16 00-0063	EA		Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	645.31	19.93
21 22 16 00-0064	EA		Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	692.27	28.47
21 22 16 00-0065			Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0066	EA		Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	49.58	17.09
21 22 16 00-0067	EA		Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	61.93	19.93
21 22 16 00-0068	EA		Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	209.58	85.42
21 22 16 00-0069	EA		1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	242.65	85.42
21 22 16 00-0070	EA		2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	270.13	85.42
21 22 16 00-0071	EA		3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	358.82	85.42
21 22 16 00-0072			Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073	EA		O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	59.43	22.77
21 22 16 00-0074	EA		Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	94.50	14.24
21 22 16 00-0075	EA		Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	128.79	28.47
21 22 16 00-0076	EA		Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	345.39	113.89
21 22 16 00-0077	EA		Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	514.10	113.89
21 22 16 00-0078	EA		1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,697.01	113.89
21 22 16 00-0079			Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080			Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081	EA		Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	184.65	28.21
21 22 16 00-0082	EA		Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	214.38	30.31
21 22 16 00-0083	EA		Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	383.58	54.87
21 22 16 00-0084	EA		Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	773.51	124.96
21 22 16 00-0085			Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086	EA		2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,834.63	164.93
21 22 16 00-0087			Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088	EA		1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	54.90	8.65
21 22 16 00-0089	EA		Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	644.26	92.67
21 22 16 00-0090	EA		30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	2,005.79	289.95
21 22 16 00-0091	EA		60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,914.46	295.39
21 22 16 00-0092			Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079) Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA		200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,676.04	265.36
21 22 16 00-0094	EA		250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,901.23	300.65
21 22 16 00-0095	EA		350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,714.62	389.60
21 22 16 00-0096	EA		435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,722.78	476.09
21 22 16 00-0097	EA		250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,970.10	335.23
21 22 16 00-0098	EA		350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,784.00	424.30
21 22 16 00-0099	EA		435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,884.32	511.59
21 22 16 00-0100			Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0101	EA		CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	63.23	9.64
21 22 16 00-0102	EA		CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	63.23	9.64
21 22 16 00-0103	EA		CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	76.11	10.72
21 22 16 00-0104	EA		Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,204.73	184.14
21 22 16 00-0105			Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	20.25	2.82
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	28.74	4.03
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	22.33	3.15
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	20.67	3.15
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	89.86	13.59
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	94.29	14.22
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417363).....	109.52	16.44
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717).....	122.13	18.56
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720).....	140.08	21.35
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	137.65	21.03
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	142.79	21.65
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	131.71	20.04
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	135.07	21.65
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	156.58	23.81
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	167.40	25.37
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	180.22	27.22
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	310.26	47.63
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156).....	410.22	62.48
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	447.24	68.67
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	160.32	24.72
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	189.10	28.95
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	155.60	23.81
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	166.18	25.24
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	167.65	25.37
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143).....	202.38	30.80
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157).....	218.15	33.40
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144).....	334.86	51.26
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145).....	391.02	60.01
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146).....	428.46	65.58
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677).....	180.22	27.22
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678).....	221.14	33.90
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679).....	237.86	36.50
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	334.86	51.26
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	365.92	56.17
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682).....	429.92	65.58
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057).....	499.88	76.89
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058).....	591.02	90.93
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823).....	753.27	179.39
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824).....	967.97	210.33
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825).....	1,245.91	352.62
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847).....	734.95	179.39
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848).....	813.63	125.30
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849).....	1,245.91	352.62
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853).....	750.37	179.39
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854).....	845.65	130.21
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855).....	1,222.77	352.62
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344).....	847.66	136.71
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728).....	1,388.42	212.10
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492).....	1,973.32	282.62
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525).....	2,090.17	287.49
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	97.96	14.62
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	117.41	19.37
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939).....	1,119.16	151.32
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	122.03	14.37
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	127.92	15.13
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	134.23	15.39
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	143.94	15.90
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	149.93	17.44
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	150.86	18.85
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	332.41	50.52
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	335.38	51.04
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	429.92	65.39
21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0176 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	156.58	23.81
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	218.20	54.43
21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	403.57	35.20
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	343.24	52.55
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	711.86	352.62
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	215.19	32.87
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	252.60	38.35
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	706.99	352.62
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	224.07	34.43
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	262.48	40.13
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	731.09	352.62
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	43.20	2.61
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	43.72	2.87
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	47.15	3.40
21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0192 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	27.43	4.18
21 22 16 00-0193 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	225.19	31.80
21 22 16 00-0194 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	169.30	31.80
21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment (21 22 16 00-0001)		
21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	176.87	27.44
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	201.04	31.29
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	255.72	39.75
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	275.43	42.83
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	344.93	53.86
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	367.09	57.19
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	703.73	110.28
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	56.55	8.20
21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	153.23	23.85
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	224.68	34.87
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	20.51	3.18



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>				
	21 22 16 00-0210 EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,765.94	276.72
	21 22 16 00-0211 EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496).....	1,480.35	231.85
	21 22 16 00-0212 EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497).....	1,149.20	180.04
	21 22 16 00-0213 EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500).....	1,000.88	156.70
	21 22 16 00-0214 EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	1,000.88	156.70
	21 22 16 00-0215 EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	801.75	125.42
	21 22 16 00-0216 EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,480.35	231.85
	21 22 16 00-0217 EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	301.06	46.94
	21 22 16 00-0218 EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	377.46	58.99
	21 22 16 00-0219 EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	756.92	118.48
	21 22 16 00-0220 EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660).....	127.87	19.87
	21 22 16 00-0221 EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576).....	173.97	27.44
	21 22 16 00-0222 EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	301.07	46.94
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>				
	21 22 16 00-0224 EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	234.29	38.21
	21 22 16 00-0225 EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639).....	14.53	2.62
	21 22 16 00-0226 EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640).....	98.99	3.18
	21 22 16 00-0227 EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	15.79	3.18
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>				
	21 22 16 00-0229 EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	520.97	85.66
	21 22 16 00-0230 EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	312.25	51.04
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>				
	21 22 16 00-0232 EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	229.26	32.82
	21 22 16 00-0233 EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	479.63	69.51
	21 22 16 00-0234 EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	541.31	78.73
	21 22 16 00-0235 EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	706.19	95.92
	21 22 16 00-0236 EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	1,140.73	166.44
	21 22 16 00-0237 EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	170.95	26.42
	21 22 16 00-0238 EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	305.52	47.71
	21 22 16 00-0239 EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	621.40	97.20
	21 22 16 00-0240 EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,806.60	283.14
	21 22 16 00-0241 EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,321.18	206.96
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>				
	21 22 16 00-0243 EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	139.23	21.92
	21 22 16 00-0244 EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	130.29	21.80
	21 22 16 00-0245 EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	176.93	31.29
	21 22 16 00-0246 EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	261.65	40.77
	21 22 16 00-0247 EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	203.69	33.09
	21 22 16 00-0248 EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	191.46	31.80

21	21	Fire Suppression
	21 20	Fire-Extinguishing Systems
	21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	30.50	5.08
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	112.41	17.95
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	112.33	17.44
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	41.44	14.37
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	10.33	1.59
		Note: Converts BX501 to low profile base.		
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	108.13	16.80
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	63.35	9.90
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	171.39	26.16
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	89.66	13.85
21 22 16 00-0258		Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	25.76	3.72
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	15.92	2.05
21 22 16 00-0261		Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	224.68	34.87
		Note: Includes municipal box and remote station connection.		
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	674.85	100.28
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,290.15	202.10
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	34.39	5.23
21 22 16 00-0266		Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267		Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	174.41	24.62
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	415.25	37.12
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	971.09	143.62
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	971.09	143.62
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,459.00	215.43
		Note: Includes housing and battery cab.		
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,459.00	215.43
		Note: Includes housing and battery cab.		
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,124.84	274.42
21 22 16 00-0275		Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	31.32	4.62
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	46.84	4.62
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	68.32	8.72
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	105.79	9.75
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	134.19	19.49
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	246.72	24.62
21 22 16 00-0282		Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)	7,353.50	1,205.38
		Note: Includes 3 blank plates.		
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)	9,374.06	1,487.50
		Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)	8,478.57	1,359.26
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	11,773.92	1,795.25
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	12,397.21	1,897.84
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	11,904.42	1,820.90
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0289 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	12,572.60	1,923.48
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)	12,935.44	2,000.42
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363)	13,499.28	2,103.00
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	14,188.16	2,205.59
Note: Includes centrally mounted programmer module.		
21 22 16 00-0293 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367)	14,795.40	2,308.18
Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369)	13,893.92	2,103.00
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0296 EA VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	2,223.02	282.11
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297 EA VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	2,233.64	282.11
Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298 EA VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	2,013.40	256.47
Note: Includes a remote termination card without relays.		
21 22 16 00-0299 EA VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	2,025.73	256.47
Note: Includes a remote termination card.		
21 22 16 00-0300 EA VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	2,502.38	307.76
Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301 EA VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	2,127.39	266.72
21 22 16 00-0302 EA VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,330.00	299.55
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0304 EA LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	5,613.22	846.34
21 22 16 00-0305 EA LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,619.55	677.06
21 22 16 00-0306 EA Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,636.21	256.47
21 22 16 00-0307 EA VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,174.88	166.71
21 22 16 00-0308 EA System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,635.61	224.66
21 22 16 00-0309 EA PC-Link High-Level Interface, VH-X-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)	2,427.68	276.98
Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310 EA Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	308.38	41.54
21 22 16 00-0311 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	2,058.50	256.47
21 22 16 00-0312 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,475.35	212.86
21 22 16 00-0313 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,158.18	164.14
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,477.66	212.86
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,475.35	212.86
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,457.02	200.04
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	173.18	17.95
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	7,042.99	984.82
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	12,273.70	1,723.43
21 22 16 00-0320 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	958.01	128.23
21 22 16 00-0321 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	21.74	2.57
21 22 16 00-0322 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	12.10	0.52
21 22 16 00-0323 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	528.41	74.38
21 22 16 00-0324 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	640.20	90.28
21 22 16 00-0325 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	924.26	130.80
21 22 16 00-0326 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	136.22	19.49
21 22 16 00-0327 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	21.45	4.10
21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0329 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	19.38	3.08
21 22 16 00-0330 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	20.42	3.59
21 22 16 00-0331 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	31.32	4.62
21 22 16 00-0332 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	31.36	4.62
21 22 16 00-0333 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	113.80	17.44
21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0335 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	279.95	36.94
21 22 16 00-0336 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	377.09	49.24

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0337 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	386.42	53.86
21 22 16 00-0338 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	930.30	76.94
21 22 16 00-0339 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,379.16	169.27
21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0341 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.14	1.48
21 22 16 00-0342 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	8.61	2.97
21 22 16 00-0343 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	23.42	8.90
21 22 16 00-0344 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	24.29	8.90
21 22 16 00-0345 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	16.81	5.93
21 22 16 00-0346 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	27.32	8.90
21 22 16 00-0347 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	36.09	13.35
21 22 16 00-0348 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	45.53	15.66
21 22 16 00-0349 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.29	1.86
21 22 16 00-0350 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	20.78	5.64
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	24.84	4.10
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	35.60	5.64
21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,613.22	196.96
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,649.18	226.72
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	998.46	138.49
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,140.54	156.44
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,613.22	196.96
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,944.70	226.72
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	552.66	69.76
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	831.58	106.68
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,569.81	220.56
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,302.86	323.15
21 22 16 00-0364 Preferred® Low Pressure CO2 System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System <small>(21 22 16 00-0364)</small>		
21 22 16 00-0366 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	124.41	17.95
Note: Excludes FMM-101.		
21 22 16 00-0367 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	93.04	13.34
21 22 16 00-0368 Industrial Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0369 Alarm Devices, Industrial Fire Control System <small>(21 22 16 00-0368)</small>		
21 22 16 00-0370 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,018.41	473.17
21 22 16 00-0371 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	91.66	10.87
21 22 16 00-0372 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	91.15	14.10
21 22 16 00-0373 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	54.29	8.47
21 22 16 00-0374 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	22.19	3.43
21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System <small>(21 22 16 00-0368)</small>		
21 22 16 00-0376 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	102.82	14.87
21 22 16 00-0377 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	144.97	21.03
21 22 16 00-0378 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,132.00	165.16
21 22 16 00-0379 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	32.90	4.77
21 22 16 00-0380 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	14.74	2.13
21 22 16 00-0381 Marine Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0382 Alarm Devices, Marine Fire Control System <small>(21 22 16 00-0381)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0383 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	59.63	8.62
21 22 16 00-0384 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	110.02	16.67
21 22 16 00-0385 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	110.02	16.67
21 22 16 00-0386 FM200 System Equipment (21 22 16)		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,637.59	123.73
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,214.41	141.66
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system.....	6,189.72	167.03
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system.....	8,203.48	197.95
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system.....	12,822.67	247.45
21 22 16 00-0392 EA Electro/Mechanical Release, For FM200 Fire Protection system	803.08	247.45
21 22 16 00-0393 EA Manual Pull Station, For FM200 Fire Protection system.....	280.09	82.28
21 22 16 00-0394 EA Pneumatic Damper Release, For FM200 Fire Protection system	342.03	61.86
21 22 16 00-0395 LB FM200 Gas	28.30	
21 22 16 00-0396 EA Master Cylinder, For FM200 Fire Protection system	5,935.22	66.57
21 22 16 00-0397 EA Shuttle Check Valve, For FM200 Fire Protection system	852.85	93.04
21 22 16 00-0398 EA Flex Head Cylinder, For FM200 Fire Protection system	849.94	99.72
21 22 16 00-0399 EA Nozzles, For FM200 Fire Protection system	211.80	35.26
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system	248.29	66.57
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system	1,101.05	99.72
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system.....	803.65	263.03
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system	4,326.98	494.15
21 22 16 00-0404 EA Control Panel, Multi Zone, For FM200 Fire Protection system	7,012.78	989.41
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system	348.11	99.72
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system.....	3,503.98	374.51
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system.....	377.73	99.72
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system.....	345.25	99.72
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system.....	1,585.68	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system.....	238.49	46.39
21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)		
21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)		
21 23 16 00-0001 Kidde Fire Systems (21 23 16) Note: Kidde or equal.		
21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)		
21 23 16 00-0003 EA 125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent.....	930.05	102.49
21 23 16 00-0004 EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,070.36	127.66
21 23 16 00-0005 EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,311.79	157.51
21 23 16 00-0006 EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,549.21	186.89
21 23 16 00-0007 EA Discharge Adapter Kit (One Required Per Cylinder).....	52.06	5.36
21 23 16 00-0008 EA System Valve Actuator	187.39	21.30
21 23 16 00-0009 EA Vent Plug	35.21	4.32
21 23 16 00-0010 EA Gauge Shield.....	95.28	11.39
21 23 16 00-0011 EA 125 Cylinder Wall Mounting Bracket.....	96.64	11.39
21 23 16 00-0012 EA 260 Cylinder Wall Mounting Bracket.....	102.44	12.07
21 23 16 00-0013 EA 400S And M Cylinder Wall Mounting Bracket	194.70	22.77
21 23 16 00-0014 EA 600 And 400M Cylinder Shelf Bracket	191.98	25.86
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit	281.79	25.91
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	38.32	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	40.40	
21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)		
21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle	86.70	10.48
21 23 16 00-0020 EA LPF Or DM Nozzle.....	94.08	10.48
21 23 16 00-0021 EA LPR Nozzle	109.29	10.48
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles	64.97	7.41
21 23 16 00-0023 EA Removal And Replacement Of Nozzle Seals	10.24	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap	6.30	0.69
21 23 16 00-0025 EA LPR Nozzle Disc Cap	37.41	10.42
21 23 16 00-0026 Control Systems (21 23 16 00-0001)		
21 23 16 00-0027 EA XV Control System	1,195.35	68.33
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028 EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	101.50	11.39
21 23 16 00-0029 EA 24" High Pressure Hose	120.14	11.39
21 23 16 00-0030 EA 60" High Pressure Hose	161.58	11.39
21 23 16 00-0031 EA XV Solenoid Kit (Electric Actuator), 24 Volt DC	234.09	22.77
21 23 16 00-0032 EA XV Microswitch Kit, SPDT	77.35	10.71
21 23 16 00-0033 EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	83.56	10.71
21 23 16 00-0034 EA EMT Connector Kit (EMT Connector And O-Ring)	33.66	8.54

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0035	EA		KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	672.51	44.13
21 23 16 00-0036	EA		SPDT Microswitch For KRS-50.....	90.79	10.71
21 23 16 00-0037	EA		DPDT Microswitch For KRS-50	164.14	18.56
21 23 16 00-0038	EA		SPDT Pressure Switch (Fire Department Tie-In).....	504.43	59.56
21 23 16 00-0039			Mechanical Actuation Components <small>(21 23 16 00-0001)</small>		
21 23 16 00-0040	EA		Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	59.26	17.09
21 23 16 00-0041	EA		XV Low Profile Link Detector Housing Kit..... Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	88.03	17.09
21 23 16 00-0042	EA		XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	238.24	11.39
21 23 16 00-0043	EA		XV Remote Manual Release, Pull-To-Trip.....	182.30	11.39
21 23 16 00-0044	EA		Corner Pulley, Mechanical Actuation Systems	25.34	3.07
21 23 16 00-0045	EA		Double Tee Pulley, Mechanical Actuation Systems.....	346.13	18.79
21 23 16 00-0046	EA		In-Line Tee Pulley, Mechanical Actuation Systems	42.43	5.01
21 23 16 00-0047	EA		Corner Pulley / Quik-Seal Adapter Combination.....	96.33	5.70
21 23 16 00-0048	LF		1/16" Cable, Mechanical Actuation Systems	2.73	1.14
21 23 16 00-0049	EA		Cable Clamp.....	13.57	0.57
21 23 16 00-0050	EA		Cable Crimp Sleeve, Mechanical Actuation Systems	1.72	0.45
21 23 16 00-0051	EA		"S" Hook, Mechanical Actuation Systems.....	1.66	0.45
21 23 16 00-0052	EA		1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	90.54	10.59
21 23 16 00-0053			Mechanical Detection Links <small>(21 23 16 00-0001)</small>		
21 23 16 00-0054	EA		KGS Standard Response Link.....	19.95	5.70
21 23 16 00-0055	EA		KGS Rapid Response Link.....	28.52	5.70
21 23 16 00-0056	EA		KFA Type "A" Fusible Link.....	24.68	5.70
21 23 16 00-0057	EA		KML Type "ML" Fusible Link.....	25.89	5.70
21 23 16 00-0058	EA		500 Degree, KML Type "ML" Fusible Link	38.32	5.70
21 23 16 00-0059			Gas Valves <small>(21 23 16 00-0001)</small>		
21 23 16 00-0060	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	405.04	24.60
21 23 16 00-0061	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	441.56	30.29
21 23 16 00-0062	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	507.79	38.26
21 23 16 00-0063	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	557.62	44.07
21 23 16 00-0064	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	603.15	52.05
21 23 16 00-0065	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	998.18	76.07
21 23 16 00-0066	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,115.23	88.03
21 23 16 00-0067	EA		Pneumatic Release (Single Unit).....	460.06	27.79
21 23 16 00-0068	EA		Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	62.67	
21 23 16 00-0069	EA		1/2" Electric Solenoid Gas Shut-off Valve.....	422.27	22.90
21 23 16 00-0070	EA		3/4" Electric Solenoid Gas Shut-off Valve.....	425.71	24.60
21 23 16 00-0071	EA		1" Electric Solenoid Gas Shut-off Valve.....	655.67	30.29
21 23 16 00-0072	EA		1-1/4" Electric Solenoid Gas Shut-off Valve.....	695.32	38.26
21 23 16 00-0073	EA		1-1/2" Electric Solenoid Gas Shut-off Valve.....	798.30	44.07
21 23 16 00-0074	EA		2" Electric Solenoid Gas Shut-off Valve.....	1,025.46	52.05
21 23 16 00-0075	EA		2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,693.66	76.07
21 23 16 00-0076	EA		3" Electric Solenoid Gas Shut-off Valve.....	2,126.70	88.03
21 23 16 00-0077	EA		Manual Reset Relay.....	590.71	114.46
21 23 16 00-0078			Liquid Tight Sealing Adapters <small>(21 23 16 00-0001)</small>		
21 23 16 00-0079	EA		3/8" Tubing, Compression Seal Adapter.....	46.47	4.78
21 23 16 00-0080	EA		1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	45.84	5.23
21 23 16 00-0081	EA		5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	53.84	6.26
21 23 16 00-0082	EA		3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	62.08	6.72
21 23 16 00-0083	EA		1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	53.84	6.26
21 23 16 00-0084	EA		3/8" NPT Female, Quik-Seal Adapter	45.84	5.23
21 23 16 00-0085	EA		1/2" NPT Female, Quik-Seal Adapter	45.84	5.23
21 23 16 00-0086	EA		3/4" NPT Female, Quik-Seal Adapter	75.32	8.88
21 23 16 00-0087	EA		1" NPT Female, Quik-Seal Adapter	100.26	11.73
21 23 16 00-0088	EA		Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	45.84	
21 23 16 00-0089			Pressure Operated Releasing Systems <small>(21 23 16 00-0001)</small>		
21 23 16 00-0090	EA		KRS-100 Nitrogen Cylinder.....	333.06	34.39
21 23 16 00-0091	EA		KRS-100 Actuator Assembly	299.00	35.08
21 23 16 00-0092	EA		KRS-100 Mounting Bracket	232.79	8.66
21 23 16 00-0093	EA		KRS-700S Nitrogen Cylinder	858.38	99.20
21 23 16 00-0094	EA		KRS-700 Mounting Bracket	182.74	21.19
21 23 16 00-0095	EA		KRS-700S Discharge Adapter Kit.....	275.55	21.19
21 23 16 00-0096	EA		Check Valve, Pressure Operated Releasing Systems.....	272.19	15.03
21 23 16 00-0097	EA		Vent Check, Pressure Operated Releasing Systems	84.20	9.57
21 23 16 00-0098	EA		Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	11.08	
21 23 16 00-0099	EA		3 Pole, Double Throw Pressure Switch.....	688.06	79.72



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0100		Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101		Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	886.59	80.86
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	1,277.09	116.51
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	1,677.44	159.33
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	181.83	19.02
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	1,197.06	124.37
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	730.87	75.85
21 23 16 00-0108		Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	23.61	2.51
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	23.61	2.51
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	24.17	2.51
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	23.61	2.51
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	23.61	2.51
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	25.66	2.51
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	40.89	4.21
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	53.06	5.58
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	66.33	28.82
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	511.26	64.12
21 23 16 00-0119		Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	425.28	24.60
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	484.56	30.29
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	523.36	38.26
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	575.81	43.96
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	662.47	51.93
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	1,540.30	75.96
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	1,644.06	87.92
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	334.06	24.60
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	568.93	30.29
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	594.03	38.26
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	676.12	43.96
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	936.07	51.93
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	1,809.31	75.96
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,908.55	87.92
21 23 16 00-0134		Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	84.59	8.43
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	120.06	10.71
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	461.95	10.71
21 23 16 00-0138		Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	31.25	3.30
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,023.32	106.94
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	1,304.01	136.78
21 23 16 00-0142		Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	668.95	70.04
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	807.17	84.39
21 23 16 00-0145		Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	738.05	77.21
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	770.32	80.75
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	1,003.42	105.00
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	1,151.09	120.72
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	93.50	9.79
21 23 16 00-0151		Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	23.34	1.60
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	24.06	2.05
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	74.96	7.86
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.95	
21 23 16 00-0156		Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	81.52	8.54

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0158	EA		DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	163.29	16.96
21 23 16 00-0159	EA		Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	345.57	35.99
21 23 16 00-0160			Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161	LF		1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.68	0.34
21 23 16 00-0162	EA		Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	1.01	0.34
21 23 16 00-0163	EA		High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	4.06	0.45
21 23 16 00-0164	EA		"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.70	
21 23 16 00-0165			Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	77.46	8.20
21 23 16 00-0167	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	80.86	8.54
21 23 16 00-0168	EA		Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	9.47	1.02
21 23 16 00-0169	EA		225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236).....	111.18	11.16
21 23 16 00-0170	EA		Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	15.58	1.60
21 23 16 00-0171	EA		Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	21.69	2.27
21 23 16 00-0172	EA		Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715).....	9.47	1.02
21 23 16 00-0173	EA		Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	13.35	1.36
21 23 16 00-0174	EA		Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	13.05	1.36
21 23 16 00-0175	EA		Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	3.73	0.34
21 23 16 00-0176	EA		Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	6.32	
21 23 16 00-0177	EA		O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	120.81	
21 23 16 00-0178	EA		3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	822.46	
21 23 16 00-0179	EA		4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	1,067.97	
21 23 16 00-0180	EA		6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	1,233.60	
21 23 16 00-0181			Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182	EA		3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857).....	37.93	3.87
21 23 16 00-0183	EA		1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859).....	39.28	4.10
21 23 16 00-0184	EA		Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	75.66	7.86
21 23 16 00-0185	EA		Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	107.07	
21 23 16 00-0186	EA		3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	230.14	
21 23 16 00-0187			Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188	EA		Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074).....	152.88	16.06
21 23 16 00-0189	EA		Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	163.70	22.55
21 23 16 00-0190	EA		Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	40.89	4.21
21 23 16 00-0191	EA		Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661).....	5.51	1.49
21 23 16 00-0192			Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193	EA		Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,550.57	250.56
21 23 16 00-0194	EA		Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	2,635.65	250.56
21 23 16 00-0195	EA		Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89).....	858.16	56.95
21 23 16 00-0196	EA		Emergency Stop Station For Relay Control Panel (Asco 173A19).....	802.58	56.95
21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)					
21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)					
21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)					
			Note: Amerex or equal.		
21 24 16 00-0002	EA		3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	585.68	88.38
21 24 16 00-0003	EA		6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	813.36	111.41
21 24 16 00-0004	EA		Recharge - KP Liquid Agent (3.75 Gallon).....	193.18	
21 24 16 00-0005	EA		Recharge - KP Liquid Agent (6 Gallon).....	339.57	
21 24 16 00-0006	EA		3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	135.22	18.55
21 24 16 00-0007	EA		6 Gallon, Bracket Assembly Agent Cylinder.....	78.77	10.75
21 24 16 00-0008	EA		6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	34.16	
21 24 16 00-0009	EA		6 Gallon, Pneumatic Actuator, Agent Cylinder.....	135.22	18.55
21 24 16 00-0010	EA		MRM Actuator (Less N2 Cylinder And Enclosure).....	339.57	46.50
21 24 16 00-0011	EA		Painted Steel, MRM Enclosure.....	180.98	24.73
21 24 16 00-0012	EA		Stainless Steel, MRM Enclosure.....	219.37	24.73
21 24 16 00-0013	EA		Stainless Steel, Single Cylinder System Cabinet.....	538.86	73.82
21 24 16 00-0014	EA		N2 - 1/4" x 16" Actuation Hose.....	40.67	5.56
21 24 16 00-0015	EA		10 CU. Inch, Nitrogen Cylinder.....	180.98	24.73
			Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA		Vent Check.....	32.54	4.45
21 24 16 00-0017	EA		Detector.....	24.40	3.34
			Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA		280 To 450 Degree F, Fusible Link.....	9.14	1.23
21 24 16 00-0019	EA		Test Link.....	3.16	
21 24 16 00-0020	EA		Corner Pulley.....	12.60	1.73
21 24 16 00-0021	EA		1/16", 500 Foot Spool, Cable.....	203.33	27.82
21 24 16 00-0022	EA		Pulley Tee.....	91.50	12.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0023 EA Manual Pull Station (Standard).....	81.32	11.13
21 24 16 00-0024 EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station).....	38.16	5.19
21 24 16 00-0025 EA Manual Pull Station (Oversized).....	90.69	12.37
21 24 16 00-0026 EA Conduit Offset.....	18.10	2.47
21 24 16 00-0027 EA 3/8" Pipe Thread, Seal (Quick-Seal).....	24.94	3.46
21 24 16 00-0028 EA 1/2" Pipe Thread, Seal (Quick-Seal).....	20.33	2.85
21 24 16 00-0029 EA 3/8" Pipe Compression Seal.....	33.96	4.70
21 24 16 00-0030 EA 1/2" Pipe Compression Seal.....	33.96	4.70
21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard).....	10.09	3.21
21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature).....	22.64	3.21
21 24 16 00-0033 EA 2 Flow Points, Fryer/Griddle Nozzle.....	40.67	5.56
21 24 16 00-0034 EA 1 Flow Point Each, Appliance, Plenum Nozzle.....	40.67	5.56
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	40.67	5.56
21 24 16 00-0036 EA 1/2 Flow Points Each, Upright Charbroiler Nozzle.....	40.67	5.56
21 24 16 00-0037 EA 2 Flow Points Each, Duct (Only) Nozzle.....	40.67	5.56
21 24 16 00-0038 EA 2 Flow Points Each, Four Burner Range Nozzle.....	58.48	8.04
21 24 16 00-0039 EA 3/4" Or 1" Mechanical Gas Valve.....	320.98	32.76
21 24 16 00-0040 EA 1-1/4" Or 1-1/2" Mechanical Gas Valve.....	380.20	47.61
21 24 16 00-0041 EA 2" Mechanical Gas Valve.....	472.82	56.26
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve).....	512.40	70.11
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads.....	26.96	3.71
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	43.51	5.94
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	91.50	12.49

21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve.....	622.21	95.55
21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve.....	776.69	119.24
21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve.....	958.88	147.25
21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve.....	1,138.92	174.82
21 24 16 00-0051 EA Vent Plug.....	26.13	3.99
21 24 16 00-0052 EA Discharge Adapter Kit.....	33.67	
21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket.....	69.25	10.59
21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket.....	73.30	11.28
21 24 16 00-0055 EA 4 Gallon Wall Bracket.....	138.44	21.30
21 24 16 00-0056 EA 6 Gallon Wall Bracket.....	153.42	23.57
21 24 16 00-0057 EA Mechanical Control Head, No Microswitch.....	541.24	83.13
21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch.....	584.67	86.67
21 24 16 00-0059 EA Mechanical Control Head, 2 Microswitches.....	647.78	99.42
21 24 16 00-0060 EA Tandem Control Head.....	492.22	75.62
21 24 16 00-0061 EA Electric Control Head, 120 Volt AC / 24 Volt DC.....	833.16	127.89
21 24 16 00-0062 EA Mechanical Control Box.....	370.77	56.95
21 24 16 00-0063 EA Tandem Control Box.....	370.77	56.95
21 24 16 00-0064 EA Mechanical Control Box Adapter.....	108.67	16.74
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator.....	326.58	50.12
21 24 16 00-0066 EA Pressure Operated Actuator.....	134.24	20.61
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder.....	217.35	33.37
21 24 16 00-0068 EA BMCS-1 Actuator Assembly.....	221.61	34.05
21 24 16 00-0069 EA BMCS-1 Mounting Bracket.....	54.33	8.32
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder.....	627.14	96.23
21 24 16 00-0071 EA BMCS-7 Mounting Bracket.....	134.24	20.61
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit.....	134.24	20.61
21 24 16 00-0073 EA Check Valve.....	114.57	24.48
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems.....	60.72	9.34
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator.....	26.42	4.05
21 24 16 00-0076 EA Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly.....	6.96	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders.....	138.51	21.30
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW.....	63.50	9.79
21 24 16 00-0079 EA Nozzles; DM And LPF.....	70.74	10.82
21 24 16 00-0080 EA Swivel Adapter.....	44.75	6.83
21 24 16 00-0081 EA Corner Pulley.....	19.18	2.96
21 24 16 00-0082 LF 1/16" Stainless Steel Cable.....	0.89	0.34
21 24 16 00-0083 EA Cable Crimp Sleeve.....	1.08	0.34
21 24 16 00-0084 EA "S" Hook.....	0.82	0.23
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	66.03	10.13
21 24 16 00-0086 EA Cable Clamp.....	5.89	0.91
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable.....	0.82	0.23
21 24 16 00-0088 EA 3/8" Cable Anchor.....	69.78	10.71
21 24 16 00-0089 EA 1/2" Cable Anchor.....	69.78	10.71
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable).....	112.87	17.31
21 24 16 00-0091 EA Tee Pulley, Use For Mechanical Pull And Gas Valve.....	120.46	18.45
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line.....	141.12	21.64
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit.....	44.22	6.83
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line.....	185.27	28.36
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line.....	141.12	21.64
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit.....	168.24	25.86
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only.....	30.25	4.67
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	33.58	5.12
21 24 16 00-0099 EA Fusible Link 165F To 360F.....	10.99	1.71

21 Fire Suppression
21 20 Fire-Extinguishing Systems
 21 24 Dry-Chemical Fire-Extinguishing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0100	EA		Fusible Link 500F	17.12	1.71
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	33.58	5.12
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	25.09	5.12
21 24 16 00-0103	EA		Quartzoid Link 400 F.....	181.01	27.79
21 24 16 00-0104	EA		Quartzoid Link 500 F.....	181.01	27.79
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box	64.87	9.91
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box	112.87	17.31
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box.....	67.08	10.25
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box.....	116.27	17.88
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB	85.18	13.09
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB	122.88	18.79
21 24 16 00-0111	EA		Pressure Switch, SPDT (Fire Dept. Tie In)	359.91	55.24
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC	161.85	24.83
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC.....	161.85	24.83
21 24 16 00-0114	EA		Electric Manual Pull Station	118.19	18.11
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell	66.02	10.13
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell	93.71	14.35
21 24 16 00-0117	EA		Fuse, 1.2 For ECH	7.59	1.14
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC.....	33.58	5.12
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC	33.58	5.12
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT.....	123.52	18.90
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT	136.29	20.96
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station	3.84	1.49
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations	17.03	2.62
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	183.15	28.13
21 24 16 00-0125	EA		Suppression Abort Station	193.79	29.73
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box	225.74	34.63
21 24 16 00-0127	EA		Surface Mount Back Box	74.54	11.39
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP	1,384.23	212.17
21 24 16 00-0129	EA		Single Hazard Control Unit, 240 Volt AC IP	1,384.23	212.17
21 24 16 00-0130	EA		1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	115.00	17.65
21 24 16 00-0131	EA		Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.47	0.80
21 24 16 00-0132	EA		Spare Scorpio Circuit Board	1,000.84	
21 24 16 00-0133	EA		Extra Scorpio Key	17.03	
21 24 16 00-0134	EA		Extra Scorpio Manual.....	10.64	
21 24 16 00-0135	EA		Compression Seal Adapter 3/8" Pipe.....	28.96	4.45
21 24 16 00-0136	EA		Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	31.44	4.78
21 24 16 00-0137	EA		Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	37.83	5.81
21 24 16 00-0138	EA		Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	40.47	6.15
21 24 16 00-0139	EA		Quik Seal Adapter 3/8" NPT Female	31.44	4.78
21 24 16 00-0140	EA		Quik Seal Adapter 1/2" NPT Female	31.44	4.78
21 24 16 00-0141	EA		Quik Seal Adapter 3/4" NPT Female	53.80	8.32
21 24 16 00-0142	EA		Quik Seal Adapter 1" NPT Female	71.34	10.93
21 24 16 00-0143	EA		Quik Patch (Up To 1-1/8" Diameter)	31.44	4.78
21 24 16 00-0144	EA		1-1/4 Gallon Karbaloy Charge	69.99	
21 24 16 00-0145	EA		2-1/2 Gallon Karbaloy Charge	120.32	
21 24 16 00-0146	EA		4 Gallon Karbaloy Charge.....	181.85	
21 24 16 00-0147	EA		6 Gallon Karbaloy Charge.....	266.11	
21 24 16 00-0148	EA		Inlet Flushing Adapter.....	52.17	7.97
21 24 16 00-0149	EA		1/2" Flushing Adapter (Outlet).....	52.17	7.97
21 24 16 00-0150	EA		1/8" Flushing Adapter (Outlet).....	52.17	7.97
21 24 16 00-0151	EA		1/4" Flushing Adapter (Outlet).....	52.17	7.97
21 24 16 00-0152	EA		3/8" Flushing Adapter (Outlet).....	52.17	7.97
21 24 16 00-0153	EA		Recharge Adapter (Old Style Cylinder Valve Assembly Only)	72.40	
21 24 16 00-0154	EA		Instruction Label (In Case Of Fire) - MCB	5.84	
21 24 16 00-0155	EA		Caution Sign (Turn On Fan).....	6.95	
21 24 16 00-0156	EA		Inspection Label (Authorized installers only).....	4.96	
21 24 16 00-0157	EA		Label, Warning, A+ Control Box.....	3.63	
21 24 16 00-0158	EA		Wet Chemical System Kits, RG-1.25G Kit; #23315	915.67	140.42
21 24 16 00-0159	EA		Wet Chemical System Kits, RG-2.5G Kit; #23316	1,069.00	163.88
21 24 16 00-0160	EA		Wet Chemical System Kits, RG-4GS Kit; #23317	1,330.95	204.09
21 24 16 00-0161	EA		Wet Chemical System Kits, RG-4GT Kit; #23318	1,330.95	204.09
21 24 16 00-0162	EA		Wet Chemical System Kits, RG-6G Kit; #23319	1,673.80	256.59
21 24 16 00-0163	EA		Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	793.23	121.63
21 24 16 00-0164	EA		Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	745.32	114.22
21 24 16 00-0165	EA		Wet Chemical System Kits, A Plus Control Box Kit; #23322	602.64	92.36
21 24 16 00-0166	EA		Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,043.44	160.01
21 24 16 00-0167	EA		Wet Chemical System Kits, BMCS-1 Package; #23208	956.12	146.58

21 30 Fire Pumps ⁽²¹⁾

21 31 Centrifugal Fire Pumps ^(21 30)

21 31 13 Electric-Drive, Centrifugal Fire Pumps ^(21 31)

21 31 13 00-0001 Electric-Drive Fire Pumps ^(21 31 13)

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA		20 HP, 500 GPM, Electric-Drive Fire Pump	43,459.60	1,907.20
			<i>For Duplex Pumping System, Add</i>	<i>41,552.41</i>	



Fire Suppression	21	21
Fire Pumps	21 30	
Centrifugal Fire Pumps	21 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 13 00-0003 EA 30 HP, 500 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	50,637.07 <i>48,650.41</i>	2,145.60
21 31 13 00-0004 EA 40 HP, 750 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	68,909.41 <i>66,702.01</i>	2,384.00
21 31 13 00-0005 EA 50 HP, 1000 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	84,816.88 <i>82,243.34</i>	2,573.55
21 31 13 00-0006 EA 75 HP, 1000 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	94,674.48 <i>91,866.97</i>	2,807.50

21 31 16 Diesel-Drive, Centrifugal Fire Pumps (21 31)

21 31 16 00-0001 Diesel-Drive Fire Pumps (21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	78,083.91	2,105.64
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	88,345.40	2,339.59
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	92,784.20	2,573.55
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	105,630.27	2,807.50
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	112,012.55	3,275.43
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	120,320.77	4,211.26
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	130,564.95	4,679.18
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	149,303.63	5,334.27
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	179,061.20	5,755.39
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	210,161.26	6,550.85
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	249,717.04	7,018.77
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	281,350.62	7,486.69

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 31	Centrifugal Fire Pumps



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing ⁽²²⁾

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps ^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs ^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps ^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	45.86
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	47.74
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	52.50
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	56.01
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	60.65
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	77.33
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	98.34
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	114.19
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	130.87
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	72.47
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	76.39
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	84.57
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	92.94
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	102.46
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	132.33
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	160.54
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	182.80
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	207.31
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	103.04
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	107.21
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	118.47
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	129.94
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	146.71
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	179.38
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	210.62
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	253.77
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	312.63
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	320.64
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	343.66
		Note: Includes Buna rubber gasket	

22 01 40 Operation and Maintenance of Plumbing Fixtures ^(22 01)

22 01 40 81 Plumbing Fixtures Replacement ^(22 01 40)

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim ^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	63.54
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	23.70

22 Plumbing
22 01 Operation and Maintenance of Plumbing
22 01 40 Operation and Maintenance of Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0004 EA Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	30.73	
22 01 40 81-0005 EA Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	43.10	
22 01 40 81-0006 EA Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	66.83	
22 01 40 81-0007 EA Removal And Replacement Of Shower Head, Polished Chrome	42.37	
22 01 40 81-0008 EA Removal And Replacement Of Shower Arm	44.60	
22 01 40 81-0009 EA Removal And Replacement Of Shower Head	53.05	
22 01 40 81-0010 EA Removal And Replacement Of Shower Knob	41.38	
22 01 40 81-0011 EA Removal And Replacement Of Shower and Tub Control Trim	121.02	
Note: Excludes balancing valve.		
22 01 40 81-0012 EA Removal And Replacement Of Sink Basket Strainer	33.18	
22 01 40 81-0013 EA Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	17.78	
22 01 40 81-0014 EA Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	18.68	
22 01 40 81-0015 EA Removal And Replacement Of 1-1/2" Sink Drain With Stopper	17.78	
22 01 40 81-0016 EA Removal And Replacement Of 1" Sink Rubber Stopper	9.52	
22 01 40 81-0017 EA Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	28.49	
22 01 40 81-0018 EA Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	47.47	
22 01 40 81-0019 EA Removal And Replacement Of Lavatory Pop-Up Rod	34.25	
22 01 40 81-0020 EA Removal And Replacement Of Lavatory Pop-up Drain Stopper	34.18	
22 01 40 81-0021 EA Removal And Replacement Of Faucet Handle	38.57	
22 01 40 81-0022 EA Removal And Replacement Of Faucet O-Ring	28.88	
22 01 40 81-0023 EA Removal And Replacement Of 1-1/2" Faucet Hole Cover	21.46	
22 01 40 81-0024 EA Removal And Replacement Of Toilet Ballcock	40.37	
22 01 40 81-0025 EA Removal And Replacement Of Toilet Bowl Ring, Flat Wax	7.73	
Note: Excludes removal of toilet.		
22 01 40 81-0026 EA Removal And Replacement Of Toilet Tank	158.66	
22 01 40 81-0027 EA Removal And Replacement Of 10" Toilet Bowl	201.34	
22 01 40 81-0028 EA Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	215.75	
22 01 40 81-0029 EA Removal And Replacement Of 12" Toilet Bowl	229.66	
22 01 40 81-0030 EA Removal And Replacement Of 18", Elongated, Toilet Bowl	206.19	
22 01 40 81-0031 EA Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	25.32	
22 01 40 81-0032 EA Removal And Replacement Of Toilet Flapper With Chain	18.42	
22 01 40 81-0033 EA Removal And Replacement Of Toilet Flush Tank Lever	19.97	
22 01 40 81-0034 EA Removal And Replacement Of Elongated Toilet Seat With Lid	102.82	
22 01 40 81-0035 EA Removal And Replacement Of Elongated Toilet Seat Without Lid	112.47	
22 01 40 81-0036 EA Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	151.12	
22 01 40 81-0037 EA Removal And Replacement Of Diverter Tub Spout	65.71	
22 01 40 81-0038 EA Removal And Replacement Of Tub Spout	46.05	
22 01 40 81-0039 EA Removal And Replacement Of 2" Tub Stopper	11.40	
22 01 40 81-0040 EA Removal And Replacement Of Tub Waste/Overflow	77.89	
22 01 40 81-0041 EA Removal And Replacement Of Tub Stem Bonnet Assembly	40.54	
22 01 40 81-0042 EA Removal And Replacement Of Faucet Bonnet	44.47	
22 01 40 81-0043 EA Removal And Replacement Of Faucet Diverter Stem	27.99	
22 01 40 81-0044 EA Removal And Replacement Of Faucet Diverter Stem And Bonnet	37.03	
22 01 40 81-0045 EA Removal And Replacement Of Faucet Spout	41.78	
22 01 40 81-0046 EA Removal And Replacement Of Faucet Stem	30.84	
22 01 40 81-0047 EA Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	232.74	
22 01 40 81-0048 EA Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	292.98	
22 01 40 81-0049 EA Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	177.36	

22 05 Common Work Results for Plumbing ⁽²²⁾

22 05 13 Common Motor Requirements for Plumbing Equipment ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves ^(22 05 23)

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves ^(22 05 23 00-0001)

Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003 EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	96.16	12.37
For 150 LB Rating, Add	6.02	
For 200 LB Rating, Add	9.02	
For Work In Restricted Working Space, Add	10.80	
22 05 23 00-0004 EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	98.05	12.37
For 150 LB Rating, Add	6.02	
For 200 LB Rating, Add	9.02	
For Work In Restricted Working Space, Add	11.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0005	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.38 6.05 9.08 11.96	12.37
22 05 23 00-0006	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.79 6.50 9.75 16.13	13.60
22 05 23 00-0007	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.74 7.97 11.95 19.53	15.46
22 05 23 00-0008	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.48 13.01 19.51 24.73	16.45
22 05 23 00-0009	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.45 14.13 21.20 28.53	19.04
22 05 23 00-0010	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.65 17.12 25.69 33.72	22.51
22 05 23 00-0011	EA		2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Chain Operated Type, Add</i>	648.56 49.67 74.51 45.56 223.52	30.41
22 05 23 00-0012	EA		3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	761.33 58.61 87.92 52.56	35.30
22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves (22 05 23 00-0001)					
Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)					
22 05 23 00-0014	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.20 8.02 12.03 10.80	12.37
22 05 23 00-0015	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.92 8.00 12.00 11.37	12.37
22 05 23 00-0016	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.42 9.75 14.63 11.96	12.37
22 05 23 00-0017	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.83 10.21 15.31 16.13	13.60
22 05 23 00-0018	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.00 12.19 18.29 19.53	15.46
22 05 23 00-0019	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	270.28 18.79 28.18 24.73	16.45
22 05 23 00-0020	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.15 21.40 32.11 28.53	19.04
22 05 23 00-0021	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	395.98 28.36 42.54 33.72	22.51
22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves (22 05 23 00-0001)					
Note: 200 psi cold working pressure.					
22 05 23 00-0023	EA		1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	133.73 8.35	12.37
22 05 23 00-0024	EA		3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	150.60 9.50	13.60
22 05 23 00-0025	EA		1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	198.01 11.36	15.46
22 05 23 00-0026	EA		1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	270.21 12.52	16.45
22 05 23 00-0027	EA		1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	313.29 13.91	19.04
22 05 23 00-0028	EA		2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i>	431.41 16.69	22.51

22 Plumbing
22 05 Common Work Results for Plumbing
22 05 23 General-Duty Valves for Plumbing Piping



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

22 05 23 00-0029	Ball Valves (22 05 23)		
22 05 23 00-0030	Crimped Bronze, Ball Valves (22 05 23 00-0029)		
22 05 23 00-0031	Crimped Bronze, 250 PSI, Ball Valves (22 05 23 00-0030)		
	Note: Nibco®		
22 05 23 00-0032	EA 1/2" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	91.79 8.35	12.37
22 05 23 00-0033	EA 3/4" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	118.85 9.50	13.60
22 05 23 00-0034	EA 1" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	152.60 11.36	15.46
22 05 23 00-0035	EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	246.95 12.52	16.45
22 05 23 00-0036	EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	326.58 13.91	19.04
22 05 23 00-0037	EA 2" Crimped Bronze, 250 PSI, Ball Valve For Work In Restricted Working Space, Add	492.49 16.69	22.51
22 05 23 00-0038	Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0039	EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	56.05 8.35	12.37
22 05 23 00-0040	EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	71.36 9.50	13.60
22 05 23 00-0041	EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	86.70 11.36	15.46
22 05 23 00-0042	EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	121.10 12.52	16.45
22 05 23 00-0043	EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	156.26 13.91	19.04
22 05 23 00-0044	EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	231.16 16.69	22.51
22 05 23 00-0045	Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0046	EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	64.45 8.35	12.37
22 05 23 00-0047	EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	77.47 9.50	13.60
22 05 23 00-0048	EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	96.47 11.36	15.46
22 05 23 00-0049	EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	151.62 12.52	16.45
22 05 23 00-0050	EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	221.89 13.91	19.04
22 05 23 00-0051	EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	307.47 16.69	22.51
22 05 23 00-0052	Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)		
22 05 23 00-0053	EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	62.16 8.35	12.37
22 05 23 00-0054	EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	75.33 9.50	13.60
22 05 23 00-0055	EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve For Work In Restricted Working Space, Add	91.58 11.36	15.46
22 05 23 00-0056	Check Valves (22 05 23)		
22 05 23 00-0057	Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (22 05 23 00-0056)		
	Note: Nibco®		
22 05 23 00-0058	EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	175.64 8.35	12.37
22 05 23 00-0059	EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	223.64 9.50	13.60
22 05 23 00-0060	EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	309.24 11.36	15.46
22 05 23 00-0061	EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	412.39 12.52	16.45
22 05 23 00-0062	EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	492.05 13.91	19.04
22 05 23 00-0063	EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve For Work In Restricted Working Space, Add	704.31 16.69	22.51
22 05 23 00-0064	Crimped Bronze, 250 PSI, In-Line, Check Valves (22 05 23 00-0056)		
22 05 23 00-0065	EA 1/2" Crimped Bronze, 250 PSI, In-Line Check Valve For Work In Restricted Working Space, Add	49.61 8.35	12.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0066 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	59.57 9.50	13.60
22 05 23 00-0067 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	70.00 11.36	15.46
22 05 23 00-0068 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	88.20 12.52	16.45
22 05 23 00-0069 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	112.35 13.91	19.04
22 05 23 00-0070 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	175.71 16.69	22.51
22 05 23 00-0071 Butterfly Valves <small>(22 05 23)</small>		
22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <small>(22 05 23 00-0071)</small>		
22 05 23 00-0073 EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,313.99 19.47	33.02
22 05 23 00-0074 EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,422.44 23.18	38.33
22 05 23 00-0075 EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,778.12 30.60	43.28
22 05 23 00-0076 Earthquake-Sensitive Gas Shut-Off Valves <small>(22 05 23)</small>		
22 05 23 00-0077 0.5 PSI Threaded Earthquake Gas Shutoff Valves <small>(22 05 23 00-0076)</small>		
22 05 23 00-0078 EA 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	168.13	13.60
22 05 23 00-0079 EA 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	190.99	15.46
22 05 23 00-0080 7 PSI Threaded Earthquake Gas Shutoff Valves <small>(22 05 23 00-0076)</small>		
22 05 23 00-0081 EA 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	224.07	16.45
22 05 23 00-0082 EA 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	299.70	19.04
22 05 23 00-0083 60 PSI Threaded Earthquake Gas Shutoff Valves <small>(22 05 23 00-0076)</small>		
22 05 23 00-0084 EA 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	205.90	13.60
22 05 23 00-0085 EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	217.22	15.46
22 05 23 00-0086 EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	245.06	16.45
22 05 23 00-0087 EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	331.18	19.04
22 05 23 00-0088 EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	741.93	22.51
22 05 23 00-0089 EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	885.73	30.29
22 05 23 00-0090 EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,145.72	35.30
22 05 23 00-0091 EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,327.20	39.86
22 05 23 00-0092 60 PSI Flanged Earthquake Gas Shutoff Valves <small>(22 05 23 00-0076)</small>		
22 05 23 00-0093 EA 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,045.45	164.83
22 05 23 00-0094 EA 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,286.26	193.61
22 05 23 00-0095 EA 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,823.16	324.58
22 05 23 00-0096 EA 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	2,950.05	386.16
22 05 23 00-0097 EA 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,852.43	493.43
22 05 23 00-0098 Emergency Shut-Off Valve With Fusible Link <small>(22 05 23)</small>		
22 05 23 00-0099 Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) <small>(22 05 23 00-0098)</small>		
Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
22 05 23 00-0100 EA 1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	85.94 10.80	19.91
22 05 23 00-0101 EA 3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	87.87 11.38	21.02
22 05 23 00-0102 EA 1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	142.62 11.96	19.91
22 05 23 00-0103 EA 3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	281.91 16.13	26.83
22 05 23 00-0104 EA 1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)..... <i>For Work In Restricted Working Space, Add</i>	711.88 19.53	32.52
22 05 23 00-0105 Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0098)</small>		
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0106 EA 1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	541.86	19.04
22 05 23 00-0107 EA 2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	584.36	22.51
22 05 23 00-0108 EA 3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	981.83	35.30

22 Plumbing
22 05 Common Work Results for Plumbing
 22 05 23 General-Duty Valves for Plumbing Piping



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 05 23 00-0109		Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0098)</small> Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
22 05 23 00-0110	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	687.55	164.83
22 05 23 00-0111	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	1,105.17	193.61
22 05 23 00-0112	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	2,504.61	324.58

22 05 23 00-0113		Regulators, Clay Valve <small>(22 05 23)</small>		
22 05 23 00-0114	EA	4" Regulator - Clay Valve.....	3,095.73	
22 05 23 00-0115	EA	8" Regulator - Clay Valve.....	4,209.64	
22 05 23 00-0116	EA	10" Regulator - Clay Valve.....	5,749.33	
22 05 23 00-0117	EA	12" Regulator - Clay Valve.....	6,985.92	
22 05 23 00-0118	EA	18" Regulator - Clay Valve.....	12,199.83	
22 05 23 00-0119	EA	24" Regulator - Clay Valve.....	19,716.11	

22 05 29 Hangers and Supports for Plumbing Piping and Equipment (22 05)
 See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping (22 05)
 See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment (22 05)

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment (22 05 48)
 See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment (22 05)
 See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts (22 05)

22 05 76 00-0001		Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small> Note: For floor installation.		
22 05 76 00-0002		Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	710.70	65.78
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	768.09	82.47
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	959.05	99.67
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,376.14	111.53
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,693.75	120.81
		For Vandal Proof, Add	19.50	
		For Galvanized Ferrule, Add	45.00	
		For Carpet Marker, Add	16.00	
		For Carpet Flange, Add	58.50	
		For Wide Flange, Add	97.00	
		For Satin Bronze Top, Deduct	-24.00	

22 05 76 00-0008		Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	818.97	65.78
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	878.08	82.47
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,069.04	99.67
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,486.13	111.53
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,803.74	120.81
<i>For Vandal Proof, Add</i>	19.50	
<i>For Galvanized Ferrule, Add</i>	45.00	
<i>For Carpet Marker, Add</i>	16.00	
<i>For Carpet Flange, Add</i>	58.50	
<i>For Wide Flange, Add</i>	97.00	
<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	106.53	20.65
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	114.78	24.73
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	146.72	27.82
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	249.15	30.92
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	375.64	34.01
<i>For Stainless Steel, Add</i>	9.00	
<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	565.13	20.65
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	814.59	21.64
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	870.42	22.88
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	973.63	25.97
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	575.15	20.65
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	829.34	21.64
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	886.20	22.88
<i>For Vandal Proof Screws, Add</i>	19.50	
<i>For Nickel Bronze, Add</i>	22.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	991.26 19.50 22.50	25.97
22 05 76 00-0031			Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	557.85 19.50 22.50	20.65
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	772.49 19.50 22.50	21.64
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,096.31 19.50 22.50	22.88
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,327.44 19.50 22.50	25.97
22 05 76 00-0036			Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037			Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	516.06 18.00 45.00	65.78
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	589.39 18.00 45.00	82.35
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	769.84 18.00 45.00	99.67
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,843.38 18.00 45.00	120.81
22 05 76 00-0042			Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	900.58 18.00 45.00	65.78
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	973.92 18.00 45.00	82.35
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,128.85 18.00 45.00	99.67
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,362.76 18.00 45.00	120.81
22 05 76 00-0047			Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048	EA		2" Cleanout Tee With Cast Bronze Screw Plug	422.95	53.79
22 05 76 00-0049	EA		3" Cleanout Tee With Cast Bronze Screw Plug	472.95	58.73
22 05 76 00-0050	EA		4" Cleanout Tee With Cast Bronze Screw Plug	630.37	77.28
22 05 76 00-0051	EA		5" Cleanout Tee With Cast Bronze Screw Plug	948.66	91.50
22 05 76 00-0052	EA		6" Cleanout Tee With Cast Bronze Screw Plug	1,620.08	108.20
22 05 76 00-0053			Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054			Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055	EA		1-1/4", 1-1/2" Or 2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	82.50 9.50	15.46
22 05 76 00-0056	EA		2-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	99.01 9.50	16.82
22 05 76 00-0057	EA		3" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	170.52 9.50	18.55
22 05 76 00-0058	EA		3-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	190.76 9.50	21.64
22 05 76 00-0059	EA		4" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	215.66 9.50	24.73
22 05 76 00-0060	EA		5" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	303.74 9.50	27.82
22 05 76 00-0061	EA		6" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	447.96 9.50	30.92
22 05 76 00-0062	EA		8" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	758.18 9.50	34.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0063 EA 10" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	1,091.89 9.50	37.10
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	34.38 9.50	15.46
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	34.99 9.50	15.46
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	38.15 9.50	16.81
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	43.17 9.50	18.55
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	50.98 9.50	21.64
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	59.90 9.50	24.73
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	64.33 9.50	26.04
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	69.14 9.50	27.82
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head <i>For Plug Tapped For Center Screw, Add</i>	89.95 9.50	30.91
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	33.91 9.50	15.46
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	34.58 9.50	15.46
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	39.46 9.50	16.81
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	43.36 9.50	18.55
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	50.42 9.50	21.64
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	59.01 9.50	24.73
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	68.66 9.50	27.82
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head <i>For Plug Tapped For Center Screw, Add</i>	82.10 9.50	30.92

22 07 Plumbing Insulation (22)

22 07 16 Plumbing Equipment Insulation (22 07)

22 07 16 00-0001 Lavatory Insulation (22 07 16)		
22 07 16 00-0002 EA Neoprene Insulation Kit For Under Lavatories.....	366.64	27.83

22 07 19 Plumbing Piping Insulation (22 07)

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation (22 07 19)		
Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0003 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.30 0.20 2.21	2.72
22 07 19 00-0004 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.51 0.23 2.21	2.72
22 07 19 00-0005 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.12 0.24 2.34	2.85
22 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.48 0.27 2.39	2.97
22 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.79 0.28 2.43	2.97
22 07 19 00-0008 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.43 0.30 2.56	3.09
22 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.99 0.35 2.60	3.21
22 07 19 00-0010 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.69 0.39 2.70	3.34

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0011	LF		4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.44 0.50 2.91	3.58
22 07 19 00-0012	LF		6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.08 0.60 3.40	4.20
22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0014	LF		1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.47 0.24 3.05	3.71
22 07 19 00-0015	LF		3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.80 0.28 3.05	3.71
22 07 19 00-0016	LF		1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.00 0.28 3.09	3.71
22 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.49 0.32 3.14	3.84
22 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.87 0.34 3.18	3.84
22 07 19 00-0019	LF		2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.46 0.37 3.27	3.96
22 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.28 0.41 3.40	4.20
22 07 19 00-0021	LF		3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.08 0.47 3.49	4.33
22 07 19 00-0022	LF		4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.26 0.60 3.76	4.57
22 07 19 00-0023	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.14 0.74 4.24	5.32
22 07 19 00-0024	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.23 1.05 4.86	5.94
22 07 19 00-0025	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.84 1.23 5.74	7.05
22 07 19 00-0026	LF		12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.37 1.40 6.62	8.04
22 07 19 00-0027	LF		14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.26 1.62 6.86	8.78
22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0029	LF		1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.27 0.49 3.18	3.83
22 07 19 00-0030	LF		3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.48 0.51 3.18	3.83
22 07 19 00-0031	LF		1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.36 0.54 3.37	4.05
22 07 19 00-0032	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.96 0.58 3.43	4.13
22 07 19 00-0033	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.47 0.61 3.49	4.20
22 07 19 00-0034	LF		2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.63 0.67 3.68	4.43
22 07 19 00-0035	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.48 0.73 3.75	4.50
22 07 19 00-0036	LF		3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.11 0.76 3.87	4.66
22 07 19 00-0037	LF		4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.21 0.87 4.19	5.05
22 07 19 00-0038	LF		6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.72 0.99 4.89	5.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.00	6.21
<i>For Single Layer Of Felt Finish, Add</i>	1.24	
<i>For Work In Restricted Working Space, Add</i>	5.16	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.47	7.43
<i>For Single Layer Of Felt Finish, Add</i>	1.56	
<i>For Work In Restricted Working Space, Add</i>	6.18	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.17	8.65
<i>For Single Layer Of Felt Finish, Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	7.19	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.02	9.49
<i>For Single Layer Of Felt Finish, Add</i>	1.97	
<i>For Work In Restricted Working Space, Add</i>	7.88	
22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.97	4.20
<i>For Single Layer Of Felt Finish, Add</i>	0.77	
<i>For Work In Restricted Working Space, Add</i>	3.49	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.22	4.20
<i>For Single Layer Of Felt Finish, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	3.49	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.89	4.33
<i>For Single Layer Of Felt Finish, Add</i>	0.85	
<i>For Work In Restricted Working Space, Add</i>	3.53	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.49	4.33
<i>For Single Layer Of Felt Finish, Add</i>	0.90	
<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.14	4.45
<i>For Single Layer Of Felt Finish, Add</i>	0.95	
<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.94	4.57
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	3.76	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.07	4.70
<i>For Single Layer Of Felt Finish, Add</i>	1.06	
<i>For Work In Restricted Working Space, Add</i>	3.89	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.31	4.95
<i>For Single Layer Of Felt Finish, Add</i>	1.15	
<i>For Work In Restricted Working Space, Add</i>	4.02	
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.64	5.19
<i>For Single Layer Of Felt Finish, Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	4.24	
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.47	6.10
<i>For Single Layer Of Felt Finish, Add</i>	1.52	
<i>For Work In Restricted Working Space, Add</i>	5.09	
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.85	6.44
<i>For Single Layer Of Felt Finish, Add</i>	1.88	
<i>For Work In Restricted Working Space, Add</i>	5.37	
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.90	7.70
<i>For Single Layer Of Felt Finish, Add</i>	2.25	
<i>For Work In Restricted Working Space, Add</i>	6.43	
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.24	9.24
<i>For Single Layer Of Felt Finish, Add</i>	2.48	
<i>For Work In Restricted Working Space, Add</i>	7.70	
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.45	10.08
<i>For Single Layer Of Felt Finish, Add</i>	2.80	
<i>For Work In Restricted Working Space, Add</i>	10.74	
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.15	11.81
<i>For Single Layer Of Felt Finish, Add</i>	3.19	
<i>For Work In Restricted Working Space, Add</i>	10.74	
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	73.65	12.41
<i>For Single Layer Of Felt Finish, Add</i>	3.79	
<i>For Work In Restricted Working Space, Add</i>	11.27	
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.43	14.18
<i>For Single Layer Of Felt Finish, Add</i>	4.25	
<i>For Work In Restricted Working Space, Add</i>	12.89	
22 07 19 00-0061 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	96.78	17.13
<i>For Single Layer Of Felt Finish, Add</i>	4.71	
<i>For Work In Restricted Working Space, Add</i>	15.57	
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0063 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.63	4.95
<i>For Single Layer Of Felt Finish, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	4.03	
22 07 19 00-0064 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.98	4.95
<i>For Single Layer Of Felt Finish, Add</i>	1.11	
<i>For Work In Restricted Working Space, Add</i>	4.03	
22 07 19 00-0065 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.96	4.95
<i>For Single Layer Of Felt Finish, Add</i>	1.19	
<i>For Work In Restricted Working Space, Add</i>	4.09	
22 07 19 00-0066 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.69	5.07
<i>For Single Layer Of Felt Finish, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	4.12	

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22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.45	5.07
			<i>For Single Layer Of Felt Finish, Add</i>	1.33	
			<i>For Work In Restricted Working Space, Add</i>	4.15	
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.55	5.32
			<i>For Single Layer Of Felt Finish, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	4.32	
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.13	5.44
			<i>For Single Layer Of Felt Finish, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.57	5.68
			<i>For Single Layer Of Felt Finish, Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	4.63	
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.89	5.94
			<i>For Single Layer Of Felt Finish, Add</i>	1.85	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.87	6.31
			<i>For Single Layer Of Felt Finish, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.33	7.54
			<i>For Single Layer Of Felt Finish, Add</i>	3.33	
			<i>For Work In Restricted Working Space, Add</i>	6.19	
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.57	8.65
			<i>For Single Layer Of Felt Finish, Add</i>	4.07	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.86	10.76
			<i>For Single Layer Of Felt Finish, Add</i>	4.34	
			<i>For Work In Restricted Working Space, Add</i>	8.86	
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	80.25	11.87
			<i>For Single Layer Of Felt Finish, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	9.68	
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	94.12	15.08
			<i>For Single Layer Of Felt Finish, Add</i>	5.55	
			<i>For Work In Restricted Working Space, Add</i>	12.37	
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	101.32	15.83
			<i>For Single Layer Of Felt Finish, Add</i>	6.09	
			<i>For Work In Restricted Working Space, Add</i>	12.99	
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	114.95	18.05
			<i>For Single Layer Of Felt Finish, Add</i>	6.87	
			<i>For Work In Restricted Working Space, Add</i>	14.84	
22 07 19 00-0080	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	135.03	21.82
			<i>For Single Layer Of Felt Finish, Add</i>	7.90	
			<i>For Work In Restricted Working Space, Add</i>	17.93	
22 07 19 00-0081			3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.04	5.46
			<i>For Single Layer Of Felt Finish, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.42	5.46
			<i>For Single Layer Of Felt Finish, Add</i>	1.22	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.43	5.51
			<i>For Single Layer Of Felt Finish, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	4.50	
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.23	5.55
			<i>For Single Layer Of Felt Finish, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	4.53	
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.12	5.61
			<i>For Single Layer Of Felt Finish, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.26	5.83
			<i>For Single Layer Of Felt Finish, Add</i>	1.52	
			<i>For Work In Restricted Working Space, Add</i>	4.75	
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.00	6.03
			<i>For Single Layer Of Felt Finish, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	4.91	
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.56	6.25
			<i>For Single Layer Of Felt Finish, Add</i>	1.74	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.24	6.59
			<i>For Single Layer Of Felt Finish, Add</i>	2.03	
			<i>For Work In Restricted Working Space, Add</i>	5.37	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.71	7.48
			<i>For Single Layer Of Felt Finish, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	6.10	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	57.45	8.34
			<i>For Single Layer Of Felt Finish, Add</i>	3.65	
			<i>For Work In Restricted Working Space, Add</i>	6.80	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	68.74	9.62
			<i>For Single Layer Of Felt Finish, Add</i>	4.47	
			<i>For Work In Restricted Working Space, Add</i>	7.85	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.85	11.96
			<i>For Single Layer Of Felt Finish, Add</i>	4.76	
			<i>For Work In Restricted Working Space, Add</i>	9.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0095 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.15	13.07
<i>For Single Layer Of Felt Finish, Add</i>	5.53	
<i>For Work In Restricted Working Space, Add</i>	10.64	
22 07 19 00-0096 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	103.39	16.68
<i>For Single Layer Of Felt Finish, Add</i>	6.09	
<i>For Work In Restricted Working Space, Add</i>	13.61	
22 07 19 00-0097 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	111.31	17.53
<i>For Single Layer Of Felt Finish, Add</i>	6.69	
<i>For Work In Restricted Working Space, Add</i>	14.29	
22 07 19 00-0098 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	126.29	20.03
<i>For Single Layer Of Felt Finish, Add</i>	7.54	
<i>For Work In Restricted Working Space, Add</i>	16.33	
22 07 19 00-0099 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	148.36	24.19
<i>For Single Layer Of Felt Finish, Add</i>	8.67	
<i>For Work In Restricted Working Space, Add</i>	19.73	
22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.06	5.94
<i>For Single Layer Of Felt Finish, Add</i>	1.24	
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 07 19 00-0102 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.50	5.94
<i>For Single Layer Of Felt Finish, Add</i>	1.28	
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 07 19 00-0103 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.98	5.94
<i>For Single Layer Of Felt Finish, Add</i>	1.43	
<i>For Work In Restricted Working Space, Add</i>	4.91	
22 07 19 00-0104 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.81	6.06
<i>For Single Layer Of Felt Finish, Add</i>	1.50	
<i>For Work In Restricted Working Space, Add</i>	4.94	
22 07 19 00-0105 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.83	6.06
<i>For Single Layer Of Felt Finish, Add</i>	1.59	
<i>For Work In Restricted Working Space, Add</i>	5.01	
22 07 19 00-0106 LF 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.02	6.31
<i>For Single Layer Of Felt Finish, Add</i>	1.66	
<i>For Work In Restricted Working Space, Add</i>	5.18	
22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.92	6.55
<i>For Single Layer Of Felt Finish, Add</i>	1.79	
<i>For Work In Restricted Working Space, Add</i>	5.36	
22 07 19 00-0108 LF 3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.53	6.81
<i>For Single Layer Of Felt Finish, Add</i>	1.89	
<i>For Work In Restricted Working Space, Add</i>	5.55	
22 07 19 00-0109 LF 4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.70	7.17
<i>For Single Layer Of Felt Finish, Add</i>	2.22	
<i>For Work In Restricted Working Space, Add</i>	5.87	
22 07 19 00-0110 LF 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.62	8.16
<i>For Single Layer Of Felt Finish, Add</i>	2.57	
<i>For Work In Restricted Working Space, Add</i>	6.65	
22 07 19 00-0111 LF 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.75	9.03
<i>For Single Layer Of Felt Finish, Add</i>	3.99	
<i>For Work In Restricted Working Space, Add</i>	7.42	
22 07 19 00-0112 LF 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	75.08	10.39
<i>For Single Layer Of Felt Finish, Add</i>	4.89	
<i>For Work In Restricted Working Space, Add</i>	8.56	
22 07 19 00-0113 LF 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	85.03	12.98
<i>For Single Layer Of Felt Finish, Add</i>	5.20	
<i>For Work In Restricted Working Space, Add</i>	10.64	
22 07 19 00-0114 LF 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	96.32	14.23
<i>For Single Layer Of Felt Finish, Add</i>	6.05	
<i>For Work In Restricted Working Space, Add</i>	11.61	
22 07 19 00-0115 LF 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	112.96	18.05
<i>For Single Layer Of Felt Finish, Add</i>	6.67	
<i>For Work In Restricted Working Space, Add</i>	14.84	
22 07 19 00-0116 LF 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	121.58	19.04
<i>For Single Layer Of Felt Finish, Add</i>	7.31	
<i>For Work In Restricted Working Space, Add</i>	15.59	
22 07 19 00-0117 LF 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	137.99	21.77
<i>For Single Layer Of Felt Finish, Add</i>	8.25	
<i>For Work In Restricted Working Space, Add</i>	17.82	
22 07 19 00-0118 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	162.07	26.22
<i>For Single Layer Of Felt Finish, Add</i>	9.48	
<i>For Work In Restricted Working Space, Add</i>	21.52	
22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.83	6.67
<i>For Single Layer Of Felt Finish, Add</i>	1.45	
<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0121 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.32	6.67
<i>For Single Layer Of Felt Finish, Add</i>	1.50	
<i>For Work In Restricted Working Space, Add</i>	5.42	
22 07 19 00-0122 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.67	6.67
<i>For Single Layer Of Felt Finish, Add</i>	1.60	
<i>For Work In Restricted Working Space, Add</i>	5.52	

22 Plumbing
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0123	LF		1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.74	6.81
			<i>For Single Layer Of Felt Finish, Add</i>	1.70	
			<i>For Work In Restricted Working Space, Add</i>	5.58	
22 07 19 00-0124	LF		1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.20	7.05
			<i>For Single Layer Of Felt Finish, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	5.75	
22 07 19 00-0125	LF		2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.53	7.30
			<i>For Single Layer Of Felt Finish, Add</i>	1.86	
			<i>For Work In Restricted Working Space, Add</i>	5.93	
22 07 19 00-0126	LF		2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.27	7.30
			<i>For Single Layer Of Felt Finish, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	6.02	
22 07 19 00-0127	LF		3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.27	7.66
			<i>For Single Layer Of Felt Finish, Add</i>	2.15	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 07 19 00-0128	LF		4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.74	8.04
			<i>For Single Layer Of Felt Finish, Add</i>	2.50	
			<i>For Work In Restricted Working Space, Add</i>	6.59	
22 07 19 00-0129	LF		6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.45	9.15
			<i>For Single Layer Of Felt Finish, Add</i>	2.89	
			<i>For Work In Restricted Working Space, Add</i>	7.48	
22 07 19 00-0130	LF		8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.60	9.90
			<i>For Single Layer Of Felt Finish, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	8.34	
22 07 19 00-0131	LF		10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	84.48	11.75
			<i>For Single Layer Of Felt Finish, Add</i>	5.50	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 07 19 00-0132	LF		12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	95.67	14.59
			<i>For Single Layer Of Felt Finish, Add</i>	5.86	
			<i>For Work In Restricted Working Space, Add</i>	11.96	
22 07 19 00-0133	LF		14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	108.39	15.95
			<i>For Single Layer Of Felt Finish, Add</i>	6.81	
			<i>For Work In Restricted Working Space, Add</i>	13.07	
22 07 19 00-0134	LF		16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	127.13	20.41
			<i>For Single Layer Of Felt Finish, Add</i>	7.50	
			<i>For Work In Restricted Working Space, Add</i>	16.71	
22 07 19 00-0135	LF		18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	136.72	21.40
			<i>For Single Layer Of Felt Finish, Add</i>	8.23	
			<i>For Work In Restricted Working Space, Add</i>	17.51	
22 07 19 00-0136	LF		20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	153.18	24.49
			<i>For Single Layer Of Felt Finish, Add</i>	9.07	
			<i>For Work In Restricted Working Space, Add</i>	20.04	
22 07 19 00-0137	LF		24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	182.35	29.56
			<i>For Single Layer Of Felt Finish, Add</i>	10.67	
			<i>For Work In Restricted Working Space, Add</i>	24.22	
22 07 19 00-0138	LF		26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	207.89	34.88
			<i>For Single Layer Of Felt Finish, Add</i>	11.84	
			<i>For Work In Restricted Working Space, Add</i>	28.54	
22 07 19 00-0139	LF		28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	233.86	41.06
			<i>For Single Layer Of Felt Finish, Add</i>	12.79	
			<i>For Work In Restricted Working Space, Add</i>	33.61	
22 07 19 00-0140	LF		30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	263.05	48.49
			<i>For Single Layer Of Felt Finish, Add</i>	13.69	
			<i>For Work In Restricted Working Space, Add</i>	39.81	
22 07 19 00-0141	LF		36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	316.83	61.64
			<i>For Single Layer Of Felt Finish, Add</i>	15.55	
			<i>For Work In Restricted Working Space, Add</i>	50.62	
22 07 19 00-0142	LF		42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	370.61	75.08
			<i>For Single Layer Of Felt Finish, Add</i>	17.41	
			<i>For Work In Restricted Working Space, Add</i>	61.43	
22 07 19 00-0143	LF		44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	397.93	82.49
			<i>For Single Layer Of Felt Finish, Add</i>	18.08	
			<i>For Work In Restricted Working Space, Add</i>	67.71	
22 07 19 00-0144	LF		46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	422.62	88.80
			<i>For Single Layer Of Felt Finish, Add</i>	18.81	
			<i>For Work In Restricted Working Space, Add</i>	73.04	
22 07 19 00-0145			4-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0146	LF		1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.08	7.18
			<i>For Single Layer Of Felt Finish, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	5.83	
22 07 19 00-0147	LF		3/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.65	7.18
			<i>For Single Layer Of Felt Finish, Add</i>	1.70	
			<i>For Work In Restricted Working Space, Add</i>	5.83	
22 07 19 00-0148	LF		1" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.14	7.18
			<i>For Single Layer Of Felt Finish, Add</i>	1.82	
			<i>For Work In Restricted Working Space, Add</i>	5.93	
22 07 19 00-0149	LF		1-1/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.37	7.31
			<i>For Single Layer Of Felt Finish, Add</i>	1.93	
			<i>For Work In Restricted Working Space, Add</i>	6.00	
22 07 19 00-0150	LF		1-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.98	7.58
			<i>For Single Layer Of Felt Finish, Add</i>	2.03	
			<i>For Work In Restricted Working Space, Add</i>	6.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0151 LF 2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.46	7.85
<i>For Single Layer Of Felt Finish, Add</i>	2.12	
<i>For Work In Restricted Working Space, Add</i>	6.38	
22 07 19 00-0152 LF 2-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.43	7.85
<i>For Single Layer Of Felt Finish, Add</i>	2.29	
<i>For Work In Restricted Working Space, Add</i>	6.48	
22 07 19 00-0153 LF 3" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.64	8.24
<i>For Single Layer Of Felt Finish, Add</i>	2.44	
<i>For Work In Restricted Working Space, Add</i>	6.71	
22 07 19 00-0154 LF 4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	50.67	8.64
<i>For Single Layer Of Felt Finish, Add</i>	2.84	
<i>For Work In Restricted Working Space, Add</i>	7.09	
22 07 19 00-0155 LF 6" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.11	9.83
<i>For Single Layer Of Felt Finish, Add</i>	3.29	
<i>For Work In Restricted Working Space, Add</i>	8.04	
22 07 19 00-0156 LF 8" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.57	10.63
<i>For Single Layer Of Felt Finish, Add</i>	5.11	
<i>For Work In Restricted Working Space, Add</i>	8.97	
22 07 19 00-0157 LF 10" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	94.10	12.63
<i>For Single Layer Of Felt Finish, Add</i>	6.26	
<i>For Work In Restricted Working Space, Add</i>	10.36	
22 07 19 00-0158 LF 12" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	106.36	15.69
<i>For Single Layer Of Felt Finish, Add</i>	6.67	
<i>For Work In Restricted Working Space, Add</i>	12.86	
22 07 19 00-0159 LF 14" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	120.58	17.15
<i>For Single Layer Of Felt Finish, Add</i>	7.74	
<i>For Work In Restricted Working Space, Add</i>	14.05	
22 07 19 00-0160 LF 16" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	141.14	21.94
<i>For Single Layer Of Felt Finish, Add</i>	8.53	
<i>For Work In Restricted Working Space, Add</i>	17.97	
22 07 19 00-0161 LF 18" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	151.88	23.00
<i>For Single Layer Of Felt Finish, Add</i>	9.36	
<i>For Work In Restricted Working Space, Add</i>	18.83	
22 07 19 00-0162 LF 20" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	170.08	26.32
<i>For Single Layer Of Felt Finish, Add</i>	10.32	
<i>For Work In Restricted Working Space, Add</i>	21.55	
22 07 19 00-0163 LF 24" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	202.38	31.78
<i>For Single Layer Of Felt Finish, Add</i>	12.14	
<i>For Work In Restricted Working Space, Add</i>	26.03	
22 07 19 00-0164 LF 26" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	230.55	37.49
<i>For Single Layer Of Felt Finish, Add</i>	13.47	
<i>For Work In Restricted Working Space, Add</i>	30.68	
22 07 19 00-0165 LF 28" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	259.02	44.14
<i>For Single Layer Of Felt Finish, Add</i>	14.55	
<i>For Work In Restricted Working Space, Add</i>	36.13	
22 07 19 00-0166 LF 30" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	290.97	52.12
<i>For Single Layer Of Felt Finish, Add</i>	15.57	
<i>For Work In Restricted Working Space, Add</i>	42.80	
22 07 19 00-0167 LF 36" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	349.88	66.27
<i>For Single Layer Of Felt Finish, Add</i>	17.69	
<i>For Work In Restricted Working Space, Add</i>	54.42	
22 07 19 00-0168 LF 42" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	408.80	80.71
<i>For Single Layer Of Felt Finish, Add</i>	19.81	
<i>For Work In Restricted Working Space, Add</i>	66.04	
22 07 19 00-0169 LF 44" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	438.57	88.68
<i>For Single Layer Of Felt Finish, Add</i>	20.57	
<i>For Work In Restricted Working Space, Add</i>	72.79	
22 07 19 00-0170 LF 46" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	465.54	95.47
<i>For Single Layer Of Felt Finish, Add</i>	21.40	
<i>For Work In Restricted Working Space, Add</i>	78.52	
22 07 19 00-0171 5" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0172 LF 1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.99	7.90
<i>For Single Layer Of Felt Finish, Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0173 LF 3/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.61	7.90
<i>For Single Layer Of Felt Finish, Add</i>	1.92	
<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0174 LF 1" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.29	7.90
<i>For Single Layer Of Felt Finish, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	6.52	
22 07 19 00-0175 LF 1-1/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.66	8.05
<i>For Single Layer Of Felt Finish, Add</i>	2.17	
<i>For Work In Restricted Working Space, Add</i>	6.60	
22 07 19 00-0176 LF 1-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	44.47	8.34
<i>For Single Layer Of Felt Finish, Add</i>	2.29	
<i>For Work In Restricted Working Space, Add</i>	6.81	
22 07 19 00-0177 LF 2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.09	8.63
<i>For Single Layer Of Felt Finish, Add</i>	2.39	
<i>For Work In Restricted Working Space, Add</i>	7.01	
22 07 19 00-0178 LF 2-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.31	8.63
<i>For Single Layer Of Felt Finish, Add</i>	2.58	
<i>For Work In Restricted Working Space, Add</i>	7.13	

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22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0179	LF		3" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	50.80	9.07
			<i>For Single Layer Of Felt Finish, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	7.39	
22 07 19 00-0180	LF		4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	56.42	9.51
			<i>For Single Layer Of Felt Finish, Add</i>	3.20	
			<i>For Work In Restricted Working Space, Add</i>	7.80	
22 07 19 00-0181	LF		6" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	64.70	10.82
			<i>For Single Layer Of Felt Finish, Add</i>	3.70	
			<i>For Work In Restricted Working Space, Add</i>	8.84	
22 07 19 00-0182	LF		8" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	87.63	11.70
			<i>For Single Layer Of Felt Finish, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	9.86	
22 07 19 00-0183	LF		10" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	105.00	13.89
			<i>For Single Layer Of Felt Finish, Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	11.39	
22 07 19 00-0184	LF		12" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	118.58	17.26
			<i>For Single Layer Of Felt Finish, Add</i>	7.50	
			<i>For Work In Restricted Working Space, Add</i>	14.15	
22 07 19 00-0185	LF		14" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	134.48	18.87
			<i>For Single Layer Of Felt Finish, Add</i>	8.71	
			<i>For Work In Restricted Working Space, Add</i>	15.46	
22 07 19 00-0186	LF		16" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	157.27	24.13
			<i>For Single Layer Of Felt Finish, Add</i>	9.60	
			<i>For Work In Restricted Working Space, Add</i>	19.76	
22 07 19 00-0187	LF		18" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	169.30	25.30
			<i>For Single Layer Of Felt Finish, Add</i>	10.53	
			<i>For Work In Restricted Working Space, Add</i>	20.71	
22 07 19 00-0188	LF		20" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	189.55	28.96
			<i>For Single Layer Of Felt Finish, Add</i>	11.61	
			<i>For Work In Restricted Working Space, Add</i>	23.70	
22 07 19 00-0189	LF		24" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	225.52	34.96
			<i>For Single Layer Of Felt Finish, Add</i>	13.66	
			<i>For Work In Restricted Working Space, Add</i>	28.64	
22 07 19 00-0190	LF		26" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	256.82	41.25
			<i>For Single Layer Of Felt Finish, Add</i>	15.15	
			<i>For Work In Restricted Working Space, Add</i>	33.75	
22 07 19 00-0191	LF		28" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	288.39	48.56
			<i>For Single Layer Of Felt Finish, Add</i>	16.37	
			<i>For Work In Restricted Working Space, Add</i>	39.74	
22 07 19 00-0192	LF		30" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	323.77	57.33
			<i>For Single Layer Of Felt Finish, Add</i>	17.52	
			<i>For Work In Restricted Working Space, Add</i>	47.08	
22 07 19 00-0193	LF		36" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	389.09	72.89
			<i>For Single Layer Of Felt Finish, Add</i>	19.90	
			<i>For Work In Restricted Working Space, Add</i>	59.86	
22 07 19 00-0194	LF		42" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	454.40	88.77
			<i>For Single Layer Of Felt Finish, Add</i>	22.29	
			<i>For Work In Restricted Working Space, Add</i>	72.65	
22 07 19 00-0195	LF		44" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	487.32	97.56
			<i>For Single Layer Of Felt Finish, Add</i>	23.15	
			<i>For Work In Restricted Working Space, Add</i>	80.06	
22 07 19 00-0196	LF		46" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	517.22	105.01
			<i>For Single Layer Of Felt Finish, Add</i>	24.08	
			<i>For Work In Restricted Working Space, Add</i>	86.38	
22 07 19 00-0197			Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell <small>(22 07 19)</small>		
			Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0198			1" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0199	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	21.34	6.04
			<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0200	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	22.12	6.04
			<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0201	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation.....	23.17	6.12
			<i>For Work In Restricted Working Space, Add</i>	5.56	
22 07 19 00-0202	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	23.70	6.21
			<i>For Work In Restricted Working Space, Add</i>	5.64	
22 07 19 00-0203	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	24.49	6.30
			<i>For Work In Restricted Working Space, Add</i>	5.72	
22 07 19 00-0204	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation.....	26.02	6.47
			<i>For Work In Restricted Working Space, Add</i>	5.89	
22 07 19 00-0205	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	27.93	6.74
			<i>For Work In Restricted Working Space, Add</i>	6.13	
22 07 19 00-0206	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation.....	29.98	6.92
			<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0207	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation.....	34.45	7.43
			<i>For Work In Restricted Working Space, Add</i>	6.76	
22 07 19 00-0208	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation.....	43.43	8.39
			<i>For Work In Restricted Working Space, Add</i>	7.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0209			1-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0210	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	25.03	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.89	
22 07 19 00-0211	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	25.52	6.69
			<i>For Work In Restricted Working Space, Add</i>	5.89	
22 07 19 00-0212	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	26.28	6.78
			<i>For Work In Restricted Working Space, Add</i>	5.96	
22 07 19 00-0213	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	26.88	6.87
			<i>For Work In Restricted Working Space, Add</i>	6.04	
22 07 19 00-0214	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	27.47	6.96
			<i>For Work In Restricted Working Space, Add</i>	6.12	
22 07 19 00-0215	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	29.64	7.19
			<i>For Work In Restricted Working Space, Add</i>	6.32	
22 07 19 00-0216	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	33.33	7.46
			<i>For Work In Restricted Working Space, Add</i>	6.56	
22 07 19 00-0217	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	36.60	7.68
			<i>For Work In Restricted Working Space, Add</i>	6.76	
22 07 19 00-0218	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	41.26	8.18
			<i>For Work In Restricted Working Space, Add</i>	7.20	
22 07 19 00-0219	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	48.45	9.26
			<i>For Work In Restricted Working Space, Add</i>	8.15	
22 07 19 00-0220	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	54.18	10.33
			<i>For Work In Restricted Working Space, Add</i>	9.09	
22 07 19 00-0221	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	65.51	11.91
			<i>For Work In Restricted Working Space, Add</i>	10.48	
22 07 19 00-0222	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	77.96	14.80
			<i>For Work In Restricted Working Space, Add</i>	13.02	
22 07 19 00-0223	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	86.50	15.57
			<i>For Work In Restricted Working Space, Add</i>	14.15	
22 07 19 00-0224	LF		16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	95.32	17.39
			<i>For Work In Restricted Working Space, Add</i>	15.81	
22 07 19 00-0225	LF		18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	108.34	20.57
			<i>For Work In Restricted Working Space, Add</i>	18.70	
22 07 19 00-0226	LF		20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	120.95	22.77
			<i>For Work In Restricted Working Space, Add</i>	20.70	
22 07 19 00-0227	LF		24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation.....	149.85	25.23
			<i>For Work In Restricted Working Space, Add</i>	22.93	
22 07 19 00-0228			2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0229	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	28.01	6.92
			<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0230	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation.....	28.77	6.92
			<i>For Work In Restricted Working Space, Add</i>	6.29	
22 07 19 00-0231	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation.....	29.77	6.99
			<i>For Work In Restricted Working Space, Add</i>	6.36	
22 07 19 00-0232	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation.....	31.24	7.09
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 07 19 00-0233	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	32.72	7.17
			<i>For Work In Restricted Working Space, Add</i>	6.52	
22 07 19 00-0234	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation.....	36.38	7.43
			<i>For Work In Restricted Working Space, Add</i>	6.76	
22 07 19 00-0235	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation.....	38.10	7.70
			<i>For Work In Restricted Working Space, Add</i>	7.00	
22 07 19 00-0236	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation.....	40.78	7.96
			<i>For Work In Restricted Working Space, Add</i>	7.23	
22 07 19 00-0237	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation.....	45.72	8.40
			<i>For Work In Restricted Working Space, Add</i>	7.63	
22 07 19 00-0238	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation.....	54.52	9.53
			<i>For Work In Restricted Working Space, Add</i>	8.67	
22 07 19 00-0239	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation.....	60.69	10.63
			<i>For Work In Restricted Working Space, Add</i>	9.67	
22 07 19 00-0240	LF		10" Diameter Pipe, 2" Thick Foamglas Insulation.....	73.62	12.26
			<i>For Work In Restricted Working Space, Add</i>	11.15	
22 07 19 00-0241	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation.....	91.21	15.24
			<i>For Work In Restricted Working Space, Add</i>	13.85	
22 07 19 00-0242	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation.....	97.57	16.64
			<i>For Work In Restricted Working Space, Add</i>	15.12	
22 07 19 00-0243	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation.....	115.90	21.26
			<i>For Work In Restricted Working Space, Add</i>	19.33	
22 07 19 00-0244	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation.....	126.06	22.32
			<i>For Work In Restricted Working Space, Add</i>	20.29	
22 07 19 00-0245	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation.....	139.73	25.52
			<i>For Work In Restricted Working Space, Add</i>	23.19	
22 07 19 00-0246	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation.....	174.88	30.83
			<i>For Work In Restricted Working Space, Add</i>	28.03	
22 07 19 00-0247			2-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0248	LF		1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	33.70	7.49
			<i>For Work In Restricted Working Space, Add</i>	6.81	
22 07 19 00-0249	LF		3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation.....	34.99	7.48
			<i>For Work In Restricted Working Space, Add</i>	6.81	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0250 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.67 6.92	7.60
22 07 19 00-0251 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.13 6.97	7.66
22 07 19 00-0252 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.63 7.02	7.73
22 07 19 00-0253 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.39 7.31	8.04
22 07 19 00-0254 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.04 7.57	8.32
22 07 19 00-0255 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.77 7.83	8.61
22 07 19 00-0256 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.47 8.26	9.08
22 07 19 00-0257 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.95 9.39	10.33
22 07 19 00-0258 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	72.39 10.47	11.51
22 07 19 00-0259 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	82.63 12.07	13.27
22 07 19 00-0260 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	102.87 15.00	16.50
22 07 19 00-0261 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	107.53 16.37	18.01
22 07 19 00-0262 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	127.37 20.93	23.02
22 07 19 00-0263 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	138.22 21.97	24.17
22 07 19 00-0264 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	158.87 25.11	27.62
22 07 19 00-0265 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	198.57 30.34	33.38
22 07 19 00-0266 3" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0267 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.37 7.25	7.97
22 07 19 00-0268 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.15 7.25	7.97
22 07 19 00-0269 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.32 7.36	8.10
22 07 19 00-0270 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.27 7.41	8.15
22 07 19 00-0271 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.27 7.47	8.23
22 07 19 00-0272 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	47.49 7.78	8.56
22 07 19 00-0273 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.57 8.05	8.86
22 07 19 00-0274 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.18 8.33	9.17
22 07 19 00-0275 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	65.00 8.78	9.66
22 07 19 00-0276 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.31 9.98	10.99
22 07 19 00-0277 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.50 11.14	12.25
22 07 19 00-0278 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.89 12.84	14.13
22 07 19 00-0279 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	111.72 15.95	17.55
22 07 19 00-0280 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	119.73 17.42	19.15
22 07 19 00-0281 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	143.42 22.26	24.49
22 07 19 00-0282 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	153.38 23.38	25.72
22 07 19 00-0283 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	179.54 26.72	29.38
22 07 19 00-0284 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	219.35 32.28	35.51
22 07 19 00-0285 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0286 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.63 8.78	9.66
22 07 19 00-0287 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	49.61 8.78	9.66
22 07 19 00-0288 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.79 8.84	9.72
22 07 19 00-0289 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.95 8.90	9.78
22 07 19 00-0290 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	53.32 9.01	9.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0291 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	58.48 9.32	10.25
22 07 19 00-0292 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.69 9.65	10.61
22 07 19 00-0293 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	67.21 9.98	10.99
22 07 19 00-0294 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.94 10.55	11.61
22 07 19 00-0295 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	82.75 11.98	13.19
22 07 19 00-0296 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	94.03 13.35	14.68
22 07 19 00-0297 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	112.29 15.40	16.94
22 07 19 00-0298 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	132.97 19.15	21.06
22 07 19 00-0299 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	138.98 20.90	22.99
22 07 19 00-0300 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	167.11 26.72	29.38
22 07 19 00-0301 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	183.28 28.05	30.86
22 07 19 00-0302 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	208.71 32.09	35.29
22 07 19 00-0303 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	256.10 38.74	42.61
22 07 19 00-0304 4" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0305 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.26 10.79	11.87
22 07 19 00-0306 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	60.52 10.79	11.87
22 07 19 00-0307 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.41 10.98	12.08
22 07 19 00-0308 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.09 11.11	12.22
22 07 19 00-0309 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.52 11.45	12.60
22 07 19 00-0310 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.70 11.81	12.98
22 07 19 00-0311 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	76.28 11.99	13.20
22 07 19 00-0312 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.05 12.44	13.68
22 07 19 00-0313 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	87.56 13.87	15.25
22 07 19 00-0314 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.97 14.89	16.38
22 07 19 00-0315 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	113.82 16.15	17.76
22 07 19 00-0316 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	130.53 19.18	21.10
22 07 19 00-0317 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	152.89 23.82	26.21
22 07 19 00-0318 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	166.29 26.03	28.62
22 07 19 00-0319 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	198.04 33.27	36.60
22 07 19 00-0320 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	219.75 34.87	38.36
22 07 19 00-0321 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	246.55 39.91	43.89
22 07 19 00-0322 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	312.05 48.21	53.04
22 07 19 00-0323 Polyisocyanurate Pipe Insulation (22 07 19)		
Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0324 1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0323)		
22 07 19 00-0325 LF 1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.15	2.85
22 07 19 00-0326 LF 3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.37	2.97
22 07 19 00-0327 LF 1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.03	3.21
22 07 19 00-0328 LF 1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.74	3.34
22 07 19 00-0329 LF 1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.17	3.34
22 07 19 00-0330 LF 2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.97	3.46
22 07 19 00-0331 LF 2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	16.07	3.58
22 07 19 00-0332 LF 3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	17.13	3.84
22 07 19 00-0333 LF 4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	20.20	4.57
22 07 19 00-0334 LF 6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	24.19	5.19

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 07 19 00-0335	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	28.63	6.06
	22 07 19 00-0336	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	32.32	6.55
	22 07 19 00-0337	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	38.38	8.04
22 07 19 00-0338			1" Thick Polyisocyanurate Pipe Insulation <small>(22 07 19 00-0323)</small>		
	22 07 19 00-0339	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	13.13	2.97
	22 07 19 00-0340	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	14.80	3.21
	22 07 19 00-0341	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	15.62	3.34
	22 07 19 00-0342	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	16.50	3.46
	22 07 19 00-0343	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	17.24	3.58
	22 07 19 00-0344	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	18.27	3.58
	22 07 19 00-0345	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	19.67	3.84
	22 07 19 00-0346	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	21.17	4.08
	22 07 19 00-0347	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	25.03	4.83
	22 07 19 00-0348	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	31.63	6.06
	22 07 19 00-0349	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	38.05	7.17
	22 07 19 00-0350	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	43.56	8.04
	22 07 19 00-0351	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	49.25	9.03
22 07 19 00-0352			1-1/2" Thick Polyisocyanurate Pipe Insulation <small>(22 07 19 00-0323)</small>		
	22 07 19 00-0353	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	16.75	3.34
	22 07 19 00-0354	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	17.71	3.46
	22 07 19 00-0355	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	18.82	3.58
	22 07 19 00-0356	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	19.67	3.71
	22 07 19 00-0357	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	20.91	3.84
	22 07 19 00-0358	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	22.68	4.08
	22 07 19 00-0359	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	24.41	4.20
	22 07 19 00-0360	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	28.91	5.19
	22 07 19 00-0361	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	36.98	6.55
	22 07 19 00-0362	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	44.99	8.04
	22 07 19 00-0363	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	51.81	9.03
	22 07 19 00-0364	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	57.20	9.64
22 07 19 00-0365			2" Thick Polyisocyanurate Pipe Insulation <small>(22 07 19 00-0323)</small>		
	22 07 19 00-0366	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	21.57	3.46
	22 07 19 00-0367	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	22.94	3.58
	22 07 19 00-0368	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	24.16	3.84
	22 07 19 00-0369	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	25.19	3.84
	22 07 19 00-0370	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	26.15	4.08
	22 07 19 00-0371	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	28.37	4.33
	22 07 19 00-0372	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	29.83	4.57
	22 07 19 00-0373	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	35.54	5.56
	22 07 19 00-0374	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	43.26	7.17
	22 07 19 00-0375	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	56.61	9.03
	22 07 19 00-0376	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	60.19	10.39
	22 07 19 00-0377	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	65.58	11.13
22 07 19 00-0378			Flexible Polyethylene Tubing Closed Cell Foam Insulation <small>(22 07 19)</small>		
			Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0379			3/8" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0378)</small>		
	22 07 19 00-0380	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.92	3.70
			<i>For Work In Restricted Working Space, Add</i>	2.22	
	22 07 19 00-0381	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.93	3.70
			<i>For Work In Restricted Working Space, Add</i>	2.23	
	22 07 19 00-0382	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.25	3.84
			<i>For Work In Restricted Working Space, Add</i>	2.30	
	22 07 19 00-0383	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.60	3.96
			<i>For Work In Restricted Working Space, Add</i>	2.38	
	22 07 19 00-0384	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.92	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.42	
	22 07 19 00-0385	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.30	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.46	
	22 07 19 00-0386	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.46	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.47	
	22 07 19 00-0387	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.88	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.48	
	22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.73	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.55	
	22 07 19 00-0389	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.09	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-0390			1/2" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0378)</small>		
	22 07 19 00-0391	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.80	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0392 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.91	4.03
<i>For Work In Restricted Working Space, Add</i>	<i>2.44</i>	
22 07 19 00-0393 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.06	4.09
<i>For Work In Restricted Working Space, Add</i>	<i>2.46</i>	
22 07 19 00-0394 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.24	4.12
<i>For Work In Restricted Working Space, Add</i>	<i>2.48</i>	
22 07 19 00-0395 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.72	4.22
<i>For Work In Restricted Working Space, Add</i>	<i>2.54</i>	
22 07 19 00-0396 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.11	4.29
<i>For Work In Restricted Working Space, Add</i>	<i>2.57</i>	
22 07 19 00-0397 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.56	4.35
<i>For Work In Restricted Working Space, Add</i>	<i>2.61</i>	
22 07 19 00-0398 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.13	4.41
<i>For Work In Restricted Working Space, Add</i>	<i>2.65</i>	
22 07 19 00-0399 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.10	4.55
<i>For Work In Restricted Working Space, Add</i>	<i>2.73</i>	
22 07 19 00-0400 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.11	4.61
<i>For Work In Restricted Working Space, Add</i>	<i>2.77</i>	
22 07 19 00-0401 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.06	4.67
<i>For Work In Restricted Working Space, Add</i>	<i>2.81</i>	
22 07 19 00-0402 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.64	4.74
<i>For Work In Restricted Working Space, Add</i>	<i>2.85</i>	
22 07 19 00-0403 3/4" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0378)</small>		
22 07 19 00-0404 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.81	4.35
<i>For Work In Restricted Working Space, Add</i>	<i>2.61</i>	
22 07 19 00-0405 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.94	4.41
<i>For Work In Restricted Working Space, Add</i>	<i>2.65</i>	
22 07 19 00-0406 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.60	4.55
<i>For Work In Restricted Working Space, Add</i>	<i>2.73</i>	
22 07 19 00-0407 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.89	4.61
<i>For Work In Restricted Working Space, Add</i>	<i>2.77</i>	
22 07 19 00-0408 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.71	4.74
<i>For Work In Restricted Working Space, Add</i>	<i>2.85</i>	
22 07 19 00-0409 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.54	4.82
<i>For Work In Restricted Working Space, Add</i>	<i>2.88</i>	
22 07 19 00-0410 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.92	4.84
<i>For Work In Restricted Working Space, Add</i>	<i>2.90</i>	
22 07 19 00-0411 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.45	4.88
<i>For Work In Restricted Working Space, Add</i>	<i>2.92</i>	
22 07 19 00-0412 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.59	5.00
<i>For Work In Restricted Working Space, Add</i>	<i>3.00</i>	
22 07 19 00-0413 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.71	5.07
<i>For Work In Restricted Working Space, Add</i>	<i>3.04</i>	
22 07 19 00-0414 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.23	5.13
<i>For Work In Restricted Working Space, Add</i>	<i>3.08</i>	
22 07 19 00-0415 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.87	5.19
<i>For Work In Restricted Working Space, Add</i>	<i>3.12</i>	
22 07 19 00-0416 1" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0378)</small>		
22 07 19 00-0417 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.19	4.82
<i>For Work In Restricted Working Space, Add</i>	<i>2.88</i>	
22 07 19 00-0418 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.48	4.88
<i>For Work In Restricted Working Space, Add</i>	<i>2.92</i>	
22 07 19 00-0419 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.43	5.00
<i>For Work In Restricted Working Space, Add</i>	<i>3.00</i>	
22 07 19 00-0420 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.71	5.07
<i>For Work In Restricted Working Space, Add</i>	<i>3.04</i>	
22 07 19 00-0421 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.11	5.19
<i>For Work In Restricted Working Space, Add</i>	<i>3.12</i>	
22 07 19 00-0422 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.81	5.33
<i>For Work In Restricted Working Space, Add</i>	<i>3.20</i>	
22 07 19 00-0423 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.09	5.39
<i>For Work In Restricted Working Space, Add</i>	<i>3.23</i>	
22 07 19 00-0424 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.45	5.45
<i>For Work In Restricted Working Space, Add</i>	<i>3.27</i>	
22 07 19 00-0425 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.43	5.59
<i>For Work In Restricted Working Space, Add</i>	<i>3.35</i>	
22 07 19 00-0426 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.28	5.65
<i>For Work In Restricted Working Space, Add</i>	<i>3.39</i>	
22 07 19 00-0427 Flexible Elastomeric Tubing Closed Cell Foam Insulation <small>(22 07 19)</small>		
<i>Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.</i>		
22 07 19 00-0428 3/8" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0427)</small>		
22 07 19 00-0429 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.22	3.70
<i>For Work In Restricted Working Space, Add</i>	<i>2.22</i>	
22 07 19 00-0430 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.36	3.70
<i>For Work In Restricted Working Space, Add</i>	<i>2.23</i>	
22 07 19 00-0431 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.69	3.84
<i>For Work In Restricted Working Space, Add</i>	<i>2.30</i>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0432	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.90	3.90
			<i>For Work In Restricted Working Space, Add</i>	2.34	
22 07 19 00-0433	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.11	3.96
			<i>For Work In Restricted Working Space, Add</i>	2.38	
22 07 19 00-0434	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.39	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0435	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.65	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0436	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.91	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0437	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.12	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0438	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.35	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.49	
22 07 19 00-0439	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.68	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0440	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.96	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0441	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.16	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0442	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.44	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-0443	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.07	4.35
			<i>For Work In Restricted Working Space, Add</i>	2.61	
22 07 19 00-0444	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.81	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0445	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.64	4.44
			<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0446			1/2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0427)</small>		
22 07 19 00-0447	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.29	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0448	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.43	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.44	
22 07 19 00-0449	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.57	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0450	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.78	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0451	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.93	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0452	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.34	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0453	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.71	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0454	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.04	4.35
			<i>For Work In Restricted Working Space, Add</i>	2.61	
22 07 19 00-0455	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.38	4.39
			<i>For Work In Restricted Working Space, Add</i>	2.63	
22 07 19 00-0456	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.66	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0457	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.73	4.49
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 07 19 00-0458	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.36	4.55
			<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0459	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.84	4.58
			<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0460	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.24	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0461	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.54	4.65
			<i>For Work In Restricted Working Space, Add</i>	2.79	
22 07 19 00-0462	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.79	4.67
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0463	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.00	4.74
			<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0464	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.29	4.78
			<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0465	LF		5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.47	4.82
			<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0466	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.86	4.94
			<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0467	LF		8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.42	5.07
			<i>For Work In Restricted Working Space, Add</i>	3.04	
22 07 19 00-0468			3/4" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0427)</small>		
22 07 19 00-0469	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.68	4.35
			<i>For Work In Restricted Working Space, Add</i>	2.61	
22 07 19 00-0470	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.99	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0471	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.44	4.55
			<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0472	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.71	4.58
			<i>For Work In Restricted Working Space, Add</i>	2.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0473 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.83 2.77	4.61
22 07 19 00-0474 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.49 2.85	4.74
22 07 19 00-0475 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.01 2.88	4.82
22 07 19 00-0476 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.53 2.92	4.88
22 07 19 00-0477 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.67 2.92	4.88
22 07 19 00-0478 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.88 2.95	4.91
22 07 19 00-0479 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.50 2.96	4.94
22 07 19 00-0480 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.84 3.00	5.00
22 07 19 00-0481 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.55 3.02	5.04
22 07 19 00-0482 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.03 3.04	5.07
22 07 19 00-0483 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.77 3.06	5.11
22 07 19 00-0484 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.06 3.08	5.13
22 07 19 00-0485 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.18 3.12	5.19
22 07 19 00-0486 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.07 3.14	5.23
22 07 19 00-0487 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.57 3.15	5.26
22 07 19 00-0488 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.16 3.20	5.33
22 07 19 00-0489 LF 8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.08 3.27	5.45
22 07 19 00-0490 1" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0427)</small>		
22 07 19 00-0491 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.52 2.88	4.80
22 07 19 00-0492 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.89 2.92	4.88
22 07 19 00-0493 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.37 3.00	5.00
22 07 19 00-0494 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.77 3.02	5.04
22 07 19 00-0495 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.11 3.04	5.07
22 07 19 00-0496 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.72 3.12	5.19
22 07 19 00-0497 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.67 3.20	5.33
22 07 19 00-0498 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.15 3.23	5.33
22 07 19 00-0499 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.78 3.25	5.39
22 07 19 00-0500 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.02 3.27	5.45
22 07 19 00-0501 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.41 3.32	5.53
22 07 19 00-0502 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.49 3.35	5.59
22 07 19 00-0503 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	20.85 3.37	5.62
22 07 19 00-0504 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.26 3.39	5.65
22 07 19 00-0505 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.98 3.41	5.68
22 07 19 00-0506 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.32 3.43	5.71
22 07 19 00-0507 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.95 3.51	5.85
22 07 19 00-0508 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.70 3.55	5.92
22 07 19 00-0509 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	29.30 3.58	5.98
22 07 19 00-0510 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.08 3.66	6.11
22 07 19 00-0511 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0427)</small>		
22 07 19 00-0512 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.02 3.23	5.38
22 07 19 00-0513 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.51 3.30	5.49

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0514	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.91 3.32	5.53
22 07 19 00-0515	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.32 3.34	5.57
22 07 19 00-0516	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.89 3.41	5.70
22 07 19 00-0517	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.82 3.54	5.92
22 07 19 00-0518	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.11 3.57	5.83
22 07 19 00-0519	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.24 3.62	5.96
22 07 19 00-0520	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.94 3.66	6.11
22 07 19 00-0521	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	27.09 3.71	6.18
22 07 19 00-0522	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	29.12 3.74	6.26
22 07 19 00-0523	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.08 3.76	6.28
22 07 19 00-0524	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.03 3.78	6.30
22 07 19 00-0525	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.14 3.80	6.33
22 07 19 00-0526	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.84 3.82	6.36
22 07 19 00-0527	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	36.68 3.95	6.59
22 07 19 00-0528	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	38.72 4.01	6.69
22 07 19 00-0529	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	43.66 4.07	6.79
22 07 19 00-0530	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	48.57 4.19	7.00
22 07 19 00-0531			2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0427)</small>		
22 07 19 00-0532	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	27.44 3.56	5.94
22 07 19 00-0533	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.52 3.64	6.03
22 07 19 00-0534	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.36 3.65	6.07
22 07 19 00-0535	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.99 3.66	6.12
22 07 19 00-0536	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.56 3.74	6.25
22 07 19 00-0537	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	34.50 3.92	6.54
22 07 19 00-0538	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	35.62 3.95	6.38
22 07 19 00-0539	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	37.64 4.02	6.60
22 07 19 00-0540	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	39.58 4.10	6.83
22 07 19 00-0541	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	40.87 4.14	6.92
22 07 19 00-0542	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	43.52 4.17	7.00
22 07 19 00-0543	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	43.85 4.20	7.02
22 07 19 00-0544	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	46.33 4.22	7.03
22 07 19 00-0545	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	48.06 4.24	7.05
22 07 19 00-0546	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	49.89 4.25	7.09
22 07 19 00-0547	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	56.01 4.44	7.42
22 07 19 00-0548	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	59.57 4.54	7.57
22 07 19 00-0549	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	60.64 4.63	7.71
22 07 19 00-0550	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	68.02 4.81	8.03
22 07 19 00-0551			Flexible Polyolefin Tubing Closed Cell Foam Insulation <small>(22 07 19)</small> Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0552			3/8" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0551)</small>		
22 07 19 00-0553	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.94 2.22	3.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0554 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.02 2.23	3.70
22 07 19 00-0555 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.31 2.30	3.84
22 07 19 00-0556 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.68 2.38	3.96
22 07 19 00-0557 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.89 2.42	4.03
22 07 19 00-0558 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.27 2.46	4.09
22 07 19 00-0559 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.56 2.47	4.09
22 07 19 00-0560 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.76 2.48	4.22
22 07 19 00-0561 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.68 2.55	4.22
22 07 19 00-0562 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.47 2.59	4.29
22 07 19 00-0563 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.53 2.65	4.41
22 07 19 00-0564 1/2" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0551)</small>		
22 07 19 00-0565 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.87 2.42	4.03
22 07 19 00-0566 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.96 2.44	4.03
22 07 19 00-0567 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.13 2.46	4.09
22 07 19 00-0568 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.36 2.48	4.09
22 07 19 00-0569 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.66 2.54	4.22
22 07 19 00-0570 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.07 2.57	4.29
22 07 19 00-0571 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.51 2.61	4.35
22 07 19 00-0572 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.95 2.65	4.41
22 07 19 00-0573 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.93 2.73	4.55
22 07 19 00-0574 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.80 2.77	4.61
22 07 19 00-0575 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.43 2.85	4.74
22 07 19 00-0576 3/4" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0551)</small>		
22 07 19 00-0577 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.93 2.61	4.35
22 07 19 00-0578 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.25 2.65	4.41
22 07 19 00-0579 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.66 2.73	4.55
22 07 19 00-0580 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.26 2.77	4.61
22 07 19 00-0581 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.83 2.85	4.74
22 07 19 00-0582 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.77 2.88	4.82
22 07 19 00-0583 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.38 2.90	4.82
22 07 19 00-0584 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.08 2.92	4.88
22 07 19 00-0585 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.46 3.00	5.00
22 07 19 00-0586 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.69 3.04	5.07
22 07 19 00-0587 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.05 3.12	5.19
22 07 19 00-0588 1" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0551)</small>		
22 07 19 00-0589 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.76 2.88	4.82
22 07 19 00-0590 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.93 2.92	4.88
22 07 19 00-0591 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.35 3.00	5.00
22 07 19 00-0592 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.19 3.04	5.07
22 07 19 00-0593 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.91 3.12	5.19

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0594	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.65	5.33
			<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0595	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.35	5.33
			<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0596	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	16.90	5.45
			<i>For Work In Restricted Working Space, Add</i>	3.27	
22 07 19 00-0597	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.01	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0598	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	20.50	5.65
			<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0599			Flexible Elastomeric Unicellular Insulation <small>(22 07 19)</small>		
			Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0600			3/8" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0599)</small>		
22 07 19 00-0601	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.06	3.70
			<i>For Work In Restricted Working Space, Add</i>	2.22	
22 07 19 00-0602	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.58	3.84
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 07 19 00-0603	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.06	3.97
			<i>For Work In Restricted Working Space, Add</i>	2.38	
22 07 19 00-0604	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.47	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-0605	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	10.93	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0606	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.63	4.12
			<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0607	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.49	4.23
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0608	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	14.61	4.25
			<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0609	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	16.12	4.32
			<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-0610			1/2" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0599)</small>		
22 07 19 00-0611	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.46	3.97
			<i>For Work In Restricted Working Space, Add</i>	2.38	
22 07 19 00-0612	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.96	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-0613	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.34	4.09
			<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-0614	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.92	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0615	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	12.38	4.29
			<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0616	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	13.08	4.35
			<i>For Work In Restricted Working Space, Add</i>	2.61	
22 07 19 00-0617	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	14.43	4.41
			<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0618	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	16.65	4.55
			<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0619	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.11	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0620	LF		3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	21.05	4.67
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0621	LF		4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	22.44	4.74
			<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0622			3/4" Wall Flexible Elastomeric Unicellular Insulation <small>(22 07 19 00-0599)</small>		
22 07 19 00-0623	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.51	4.33
			<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-0624	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.31	4.55
			<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-0625	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.27	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0626	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.64	4.75
			<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0627	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation.....	16.64	4.82
			<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0628	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	19.07	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0629	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	21.17	4.91
			<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0630	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation.....	24.34	5.01
			<i>For Work In Restricted Working Space, Add</i>	3.00	
22 07 19 00-0631	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	26.53	5.07
			<i>For Work In Restricted Working Space, Add</i>	3.04	
22 07 19 00-0632	LF		3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation.....	30.14	5.13
			<i>For Work In Restricted Working Space, Add</i>	3.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 07 19 00-0633 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation 31.79		5.19
				<i>For Work In Restricted Working Space, Add</i> 3.12		
				22 07 19 00-0634 1" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0599)		
				22 07 19 00-0635 LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 16.69		4.82
				<i>For Work In Restricted Working Space, Add</i> 2.88		
				22 07 19 00-0636 LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 17.55		5.01
				<i>For Work In Restricted Working Space, Add</i> 3.00		
				22 07 19 00-0637 LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 19.43		5.07
				<i>For Work In Restricted Working Space, Add</i> 3.04		
				22 07 19 00-0638 LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 21.69		5.19
				<i>For Work In Restricted Working Space, Add</i> 3.12		
				22 07 19 00-0639 LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 23.74		5.33
				<i>For Work In Restricted Working Space, Add</i> 3.20		
				22 07 19 00-0640 LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 25.28		5.39
				<i>For Work In Restricted Working Space, Add</i> 3.23		
				22 07 19 00-0641 LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 28.36		5.45
				<i>For Work In Restricted Working Space, Add</i> 3.27		
				22 07 19 00-0642 LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 35.82		5.59
				<i>For Work In Restricted Working Space, Add</i> 3.35		
				22 07 19 00-0643 LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 41.19		5.65
				<i>For Work In Restricted Working Space, Add</i> 3.39		
				22 07 19 00-0644 LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 44.08		5.71
				<i>For Work In Restricted Working Space, Add</i> 3.43		
				22 07 19 00-0645 LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation 50.03		5.85
				<i>For Work In Restricted Working Space, Add</i> 3.51		
				22 07 19 00-0646 Insulation Foam Rubber (22 07 19)		
				22 07 19 00-0647 Covering 4x6 Sheet (22 07 19 00-0646)		
				22 07 19 00-0648 SF 1" Thick Foam Rubber Sheet Insulation 25.31		8.78
				22 07 19 00-0649 Insulation Protective Jacketing (22 07 19)		
				Note: Jacketing only and to be added to insulation prices when required.		
				22 07 19 00-0650 Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0649)		
				22 07 19 00-0651 Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0650)		
				22 07 19 00-0652 SF 0.006" Aluminum Insulation Jacket With Bands 18.69		7.92
				22 07 19 00-0653 SF 0.010" Aluminum Insulation Jacket With Bands 19.03		7.92
				22 07 19 00-0654 SF 0.016" Aluminum Insulation Jacket With Bands 19.36		7.92
				22 07 19 00-0655 SF 0.020" Aluminum Insulation Jacket With Bands 19.66		7.92
				22 07 19 00-0656 SF 0.024" Aluminum Insulation Jacket With Bands 19.93		7.92
				22 07 19 00-0657 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0650)		
				22 07 19 00-0658 LF 1/2" ID, 0.016" Aluminum Insulation Jacketing 9.73		2.25
				<i>For Stucco Embossed, Add</i> 0.01		
				<i>For Corrugated, Add</i> 0.02		
				22 07 19 00-0659 LF 3/4" ID, 0.016" Aluminum Insulation Jacketing 10.16		2.30
				<i>For Stucco Embossed, Add</i> 0.01		
				<i>For Corrugated, Add</i> 0.02		
				22 07 19 00-0660 LF 1" ID, 0.016" Aluminum Insulation Jacketing 10.58		2.35
				<i>For Stucco Embossed, Add</i> 0.01		
				<i>For Corrugated, Add</i> 0.03		
				22 07 19 00-0661 LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing 11.03		2.41
				<i>For Stucco Embossed, Add</i> 0.01		
				<i>For Corrugated, Add</i> 0.03		
				22 07 19 00-0662 LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing 11.39		2.45
				<i>For Stucco Embossed, Add</i> 0.02		
				<i>For Corrugated, Add</i> 0.04		
				22 07 19 00-0663 LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing 11.76		2.48
				<i>For Stucco Embossed, Add</i> 0.02		
				<i>For Corrugated, Add</i> 0.05		
				22 07 19 00-0664 LF 2" ID, 0.016" Aluminum Insulation Jacketing 12.18		2.53
				<i>For Stucco Embossed, Add</i> 0.02		
				<i>For Corrugated, Add</i> 0.05		
				22 07 19 00-0665 LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing 12.61		2.59
				<i>For Stucco Embossed, Add</i> 0.02		
				<i>For Corrugated, Add</i> 0.06		
				22 07 19 00-0666 LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing 13.07		2.65
				<i>For Stucco Embossed, Add</i> 0.02		
				<i>For Corrugated, Add</i> 0.06		
				22 07 19 00-0667 LF 2-3/4" ID, 0.016" Aluminum Insulation Jacketing 13.46		2.69
				<i>For Stucco Embossed, Add</i> 0.03		
				<i>For Corrugated, Add</i> 0.07		
				22 07 19 00-0668 LF 3" ID, 0.016" Aluminum Insulation Jacketing 13.95		2.75
				<i>For Stucco Embossed, Add</i> 0.03		
				<i>For Corrugated, Add</i> 0.07		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0669	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.42	2.81
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0670	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing	14.89	2.88
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0671	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing	15.31	2.93
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0672	LF		4" ID, 0.016" Aluminum Insulation Jacketing	15.82	3.00
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0673	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing	16.33	3.07
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0674	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.88	3.15
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0675	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing	17.35	3.21
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0676	LF		5" ID, 0.016" Aluminum Insulation Jacketing	17.91	3.30
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0677	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing	18.48	3.39
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0678	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing	18.99	3.46
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0679	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing	19.63	3.56
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0680	LF		6" ID, 0.016" Aluminum Insulation Jacketing	20.27	3.67
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0681	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing	20.70	3.72
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0682	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing	21.15	3.78
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0683	LF		7" ID, 0.016" Aluminum Insulation Jacketing	21.91	3.87
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0684	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing	22.49	3.96
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0685	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing	22.96	4.02
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0686	LF		8" ID, 0.016" Aluminum Insulation Jacketing	23.68	4.09
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0687	LF		8-1/2" ID, 0.016" Aluminum Insulation Jacketing	24.38	4.16
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0688	LF		9" ID, 0.016" Aluminum Insulation Jacketing	25.24	4.26
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0689	LF		9-1/2" ID, 0.016" Aluminum Insulation Jacketing	26.00	4.34
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0690	LF		10" ID, 0.016" Aluminum Insulation Jacketing	26.74	4.41
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0691	LF		10-1/2" ID, 0.016" Aluminum Insulation Jacketing	27.50	4.49
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0692	LF		11" ID, 0.0106 Aluminum Insulation Jacketing	28.44	4.62
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0693	LF		11-1/2" ID, 0.016" Aluminum Insulation Jacketing	29.25	4.72
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0694	LF		12" ID, 0.016" Aluminum Insulation Jacketing	30.04	4.81
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0695	LF		12-1/2" ID, 0.016" Aluminum Insulation Jacketing	31.06	4.95
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0696	LF		13" ID, 0.016" Aluminum Insulation Jacketing	31.69	5.00
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0697 LF 14" ID, 0.016" Aluminum Insulation Jacketing	32.79	5.05
<i>For Stucco Embossed, Add</i>	0.13	
<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0698 LF 15" ID, 0.016" Aluminum Insulation Jacketing	34.08	5.15
<i>For Stucco Embossed, Add</i>	0.13	
<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0699 LF 16" ID, 0.016" Aluminum Insulation Jacketing	35.19	5.21
<i>For Stucco Embossed, Add</i>	0.14	
<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0700 LF 17" ID, 0.016" Aluminum Insulation Jacketing	36.49	5.32
<i>For Stucco Embossed, Add</i>	0.15	
<i>For Corrugated, Add</i>	0.38	
22 07 19 00-0701 LF 18" ID, 0.016" Aluminum Insulation Jacketing	37.33	5.38
<i>For Stucco Embossed, Add</i>	0.16	
<i>For Corrugated, Add</i>	0.40	
22 07 19 00-0702 LF 19" ID, 0.016" Aluminum Insulation Jacketing	38.97	5.49
<i>For Stucco Embossed, Add</i>	0.17	
<i>For Corrugated, Add</i>	0.42	
22 07 19 00-0703 LF 20" ID, 0.016" Aluminum Insulation Jacketing	40.11	5.56
<i>For Stucco Embossed, Add</i>	0.18	
<i>For Corrugated, Add</i>	0.45	
22 07 19 00-0704 LF 21" ID, 0.016" Aluminum Insulation Jacketing	41.49	5.68
<i>For Stucco Embossed, Add</i>	0.19	
<i>For Corrugated, Add</i>	0.47	
22 07 19 00-0705 LF 22" ID, 0.016" Aluminum Insulation Jacketing	42.62	5.76
<i>For Stucco Embossed, Add</i>	0.20	
<i>For Corrugated, Add</i>	0.49	
22 07 19 00-0706 LF 23" ID, 0.016" Aluminum Insulation Jacketing	44.06	5.89
<i>For Stucco Embossed, Add</i>	0.21	
<i>For Corrugated, Add</i>	0.51	
22 07 19 00-0707 LF 24" ID, 0.016" Aluminum Insulation Jacketing	45.21	5.96
<i>For Stucco Embossed, Add</i>	0.21	
<i>For Corrugated, Add</i>	0.53	
22 07 19 00-0708 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0650)		
22 07 19 00-0709 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing	10.83	2.47
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0710 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing	11.33	2.53
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0711 LF 1" ID, 0.020" Aluminum Insulation Jacketing	11.85	2.59
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0712 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.37	2.66
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0713 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.80	2.70
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0714 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing	13.24	2.74
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0715 LF 2" ID, 0.020" Aluminum Insulation Jacketing	13.75	2.79
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0716 LF 2-1/4" ID, 0.020" Aluminum Insulation Jacketing	14.26	2.85
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0717 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.80	2.91
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0718 LF 2-3/4" ID, 0.020" Aluminum Insulation Jacketing	15.27	2.96
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0719 LF 3" ID, 0.020" Aluminum Insulation Jacketing	15.85	3.02
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0720 LF 3-1/4" ID, 0.020" Aluminum Insulation Jacketing	16.39	3.09
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0721 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.95	3.16
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0722 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing	17.46	3.22
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0723 LF 4" ID, 0.020" Aluminum Insulation Jacketing	18.05	3.30
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0724 LF 4-1/4" ID, 0.020" Aluminum Insulation Jacketing	18.65	3.38
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.13	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0725	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.30	3.46
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0726	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing	19.85	3.53
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0727	LF		5" ID, 0.020" Aluminum Insulation Jacketing	20.50	3.62
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0728	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing	21.17	3.73
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0729	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing	21.77	3.81
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0730	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing	22.51	3.92
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0731	LF		6" ID, 0.020" Aluminum Insulation Jacketing	23.24	4.03
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0732	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing	23.77	4.09
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0733	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing	24.29	4.15
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0734	LF		7" ID, 0.020" Aluminum Insulation Jacketing	25.19	4.25
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0735	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing	25.88	4.35
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	
22 07 19 00-0736	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing	26.44	4.42
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0737	LF		8" ID, 0.020" Aluminum Insulation Jacketing	27.29	4.50
			<i>For Stucco Embossed, Add</i>	0.09	
			<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0738	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing	28.14	4.57
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0739	LF		9" ID, 0.020" Aluminum Insulation Jacketing	29.16	4.70
			<i>For Stucco Embossed, Add</i>	0.10	
			<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0740	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing	30.06	4.78
			<i>For Stucco Embossed, Add</i>	0.11	
			<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0741	LF		10" ID, 0.020" Aluminum Insulation Jacketing	30.96	4.86
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0742	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing	31.86	4.95
			<i>For Stucco Embossed, Add</i>	0.12	
			<i>For Corrugated, Add</i>	0.30	
22 07 19 00-0743	LF		11" ID, 0.0106 Aluminum Insulation Jacketing	32.97	5.09
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0744	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing	33.94	5.18
			<i>For Stucco Embossed, Add</i>	0.13	
			<i>For Corrugated, Add</i>	0.33	
22 07 19 00-0745	LF		12" ID, 0.020" Aluminum Insulation Jacketing	34.89	5.28
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0746	LF		12-1/2" ID, 0.020" Aluminum Insulation Jacketing	36.08	5.44
			<i>For Stucco Embossed, Add</i>	0.14	
			<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0747	LF		13" ID, 0.020" Aluminum Insulation Jacketing	36.85	5.49
			<i>For Stucco Embossed, Add</i>	0.15	
			<i>For Corrugated, Add</i>	0.37	
22 07 19 00-0748	LF		14" ID, 0.020" Aluminum Insulation Jacketing	38.21	5.55
			<i>For Stucco Embossed, Add</i>	0.16	
			<i>For Corrugated, Add</i>	0.40	
22 07 19 00-0749	LF		15" ID, 0.020" Aluminum Insulation Jacketing	39.78	5.66
			<i>For Stucco Embossed, Add</i>	0.17	
			<i>For Corrugated, Add</i>	0.43	
22 07 19 00-0750	LF		16" ID, 0.020" Aluminum Insulation Jacketing	41.14	5.73
			<i>For Stucco Embossed, Add</i>	0.18	
			<i>For Corrugated, Add</i>	0.46	
22 07 19 00-0751	LF		17" ID, 0.020" Aluminum Insulation Jacketing	42.73	5.86
			<i>For Stucco Embossed, Add</i>	0.19	
			<i>For Corrugated, Add</i>	0.48	
22 07 19 00-0752	LF		18" ID, 0.020" Aluminum Insulation Jacketing	43.75	5.92
			<i>For Stucco Embossed, Add</i>	0.20	
			<i>For Corrugated, Add</i>	0.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0753 LF 19" ID, 0.020" Aluminum Insulation Jacketing	45.76	6.05
<i>For Stucco Embossed, Add</i>	0.22	
<i>For Corrugated, Add</i>	0.54	
22 07 19 00-0754 LF 20" ID, 0.020" Aluminum Insulation Jacketing	47.16	6.12
<i>For Stucco Embossed, Add</i>	0.23	
<i>For Corrugated, Add</i>	0.57	
22 07 19 00-0755 LF 21" ID, 0.020" Aluminum Insulation Jacketing	48.82	6.26
<i>For Stucco Embossed, Add</i>	0.24	
<i>For Corrugated, Add</i>	0.60	
22 07 19 00-0756 LF 22" ID, 0.020" Aluminum Insulation Jacketing	50.21	6.33
<i>For Stucco Embossed, Add</i>	0.25	
<i>For Corrugated, Add</i>	0.62	
22 07 19 00-0757 LF 23" ID, 0.020" Aluminum Insulation Jacketing	51.96	6.48
<i>For Stucco Embossed, Add</i>	0.26	
<i>For Corrugated, Add</i>	0.65	
22 07 19 00-0758 LF 24" ID, 0.020" Aluminum Insulation Jacketing	53.36	6.55
<i>For Stucco Embossed, Add</i>	0.27	
<i>For Corrugated, Add</i>	0.68	
22 07 19 00-0759 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0650)</small>		
22 07 19 00-0760 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing	11.90	2.70
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0761 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing	12.49	2.76
<i>For Stucco Embossed, Add</i>	0.01	
<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0762 LF 1" ID, 0.024" Aluminum Insulation Jacketing	13.08	2.83
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0763 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing	13.68	2.90
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0764 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing	14.18	2.94
<i>For Stucco Embossed, Add</i>	0.02	
<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0765 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing	14.69	2.98
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0766 LF 2" ID, 0.024" Aluminum Insulation Jacketing	15.27	3.05
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0767 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing	15.85	3.11
<i>For Stucco Embossed, Add</i>	0.03	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0768 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing	16.49	3.17
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0769 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing	17.02	3.23
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0770 LF 3" ID, 0.024" Aluminum Insulation Jacketing	17.69	3.30
<i>For Stucco Embossed, Add</i>	0.04	
<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0771 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing	18.31	3.37
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0772 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing	18.95	3.45
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0773 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing	19.54	3.51
<i>For Stucco Embossed, Add</i>	0.05	
<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0774 LF 4" ID, 0.024" Aluminum Insulation Jacketing	20.20	3.59
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0775 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing	20.88	3.69
<i>For Stucco Embossed, Add</i>	0.06	
<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0776 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing	21.63	3.79
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0777 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing	22.25	3.86
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0778 LF 5" ID, 0.024" Aluminum Insulation Jacketing	22.99	3.96
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0779 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing	23.76	4.07
<i>For Stucco Embossed, Add</i>	0.07	
<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0780 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing	24.43	4.15
<i>For Stucco Embossed, Add</i>	0.08	
<i>For Corrugated, Add</i>	0.20	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0781 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing	25.27	4.27
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.20	
22 07 19 00-0782 LF 6" ID, 0.024" Aluminum Insulation Jacketing	26.11	4.40
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.21	
22 07 19 00-0783 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing	26.70	4.46
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.22	
22 07 19 00-0784 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing	27.30	4.53
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.23	
22 07 19 00-0785 LF 7" ID, 0.024" Aluminum Insulation Jacketing	28.35	4.63
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.25	
22 07 19 00-0786 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing	29.13	4.75
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.25	
22 07 19 00-0787 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing	29.77	4.83
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.26	
22 07 19 00-0788 LF 8" ID, 0.024" Aluminum Insulation Jacketing	30.76	4.91
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.28	
22 07 19 00-0789 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing	31.72	4.99
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.29	
22 07 19 00-0790 LF 9" ID, 0.024" Aluminum Insulation Jacketing	32.91	5.12
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.31	
22 07 19 00-0791 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing	33.96	5.21
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.33	
22 07 19 00-0792 LF 10" ID, 0.024" Aluminum Insulation Jacketing	34.99	5.30
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.34	
22 07 19 00-0793 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing	36.04	5.40
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.36	
22 07 19 00-0794 LF 11" ID, 0.0106 Aluminum Insulation Jacketing	37.30	5.55
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.38	
22 07 19 00-0795 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing	38.43	5.65
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.40	
22 07 19 00-0796 LF 12" ID, 0.024" Aluminum Insulation Jacketing	39.52	5.77
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.41	
22 07 19 00-0797 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing	40.88	5.94
For Stucco Embossed, Add	0.17	
For Corrugated, Add	0.43	
22 07 19 00-0798 LF 13" ID, 0.024" Aluminum Insulation Jacketing	41.78	6.00
For Stucco Embossed, Add	0.18	
For Corrugated, Add	0.44	
22 07 19 00-0799 LF 14" ID, 0.024" Aluminum Insulation Jacketing	43.37	6.06
For Stucco Embossed, Add	0.19	
For Corrugated, Add	0.48	
22 07 19 00-0800 LF 15" ID, 0.024" Aluminum Insulation Jacketing	45.20	6.18
For Stucco Embossed, Add	0.20	
For Corrugated, Add	0.51	
22 07 19 00-0801 LF 16" ID, 0.024" Aluminum Insulation Jacketing	46.82	6.25
For Stucco Embossed, Add	0.22	
For Corrugated, Add	0.55	
22 07 19 00-0802 LF 17" ID, 0.024" Aluminum Insulation Jacketing	48.68	6.38
For Stucco Embossed, Add	0.23	
For Corrugated, Add	0.58	
22 07 19 00-0803 LF 18" ID, 0.024" Aluminum Insulation Jacketing	49.85	6.45
For Stucco Embossed, Add	0.24	
For Corrugated, Add	0.60	
22 07 19 00-0804 LF 19" ID, 0.024" Aluminum Insulation Jacketing	52.19	6.59
For Stucco Embossed, Add	0.26	
For Corrugated, Add	0.65	
22 07 19 00-0805 LF 20" ID, 0.024" Aluminum Insulation Jacketing	53.86	6.67
For Stucco Embossed, Add	0.27	
For Corrugated, Add	0.68	
22 07 19 00-0806 LF 21" ID, 0.024" Aluminum Insulation Jacketing	55.78	6.83
For Stucco Embossed, Add	0.28	
For Corrugated, Add	0.71	
22 07 19 00-0807 LF 22" ID, 0.024" Aluminum Insulation Jacketing	57.43	6.91
For Stucco Embossed, Add	0.30	
For Corrugated, Add	0.75	
22 07 19 00-0808 LF 23" ID, 0.024" Aluminum Insulation Jacketing	59.44	7.07
For Stucco Embossed, Add	0.31	
For Corrugated, Add	0.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0809 LF 24" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	61.09 0.32 0.81	7.15
22 07 19 00-0810 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0650)		
22 07 19 00-0811 LF 1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.45 0.01 0.04	2.99
22 07 19 00-0812 LF 3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.17 0.02 0.05	3.06
22 07 19 00-0813 LF 1" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.91 0.02 0.06	3.13
22 07 19 00-0814 LF 1-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.66 0.03 0.07	3.21
22 07 19 00-0815 LF 1-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.29 0.03 0.08	3.26
22 07 19 00-0816 LF 1-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.93 0.04 0.09	3.30
22 07 19 00-0817 LF 2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.64 0.04 0.10	3.37
22 07 19 00-0818 LF 2-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.37 0.05 0.11	3.44
22 07 19 00-0819 LF 2-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.16 0.05 0.13	3.51
22 07 19 00-0820 LF 2-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.84 0.06 0.14	3.57
22 07 19 00-0821 LF 3" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.64 0.06 0.15	3.66
22 07 19 00-0822 LF 3-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.41 0.06 0.16	3.74
22 07 19 00-0823 LF 3-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.21 0.07 0.17	3.83
22 07 19 00-0824 LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.92 0.07 0.18	3.90
22 07 19 00-0825 LF 4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.74 0.08 0.19	3.99
22 07 19 00-0826 LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.58 0.08 0.21	4.09
22 07 19 00-0827 LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.49 0.09 0.22	4.19
22 07 19 00-0828 LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.26 0.09 0.23	4.27
22 07 19 00-0829 LF 5" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.16 0.10 0.24	4.38
22 07 19 00-0830 LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.08 0.10 0.25	4.50
22 07 19 00-0831 LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.91 0.11 0.26	4.60
22 07 19 00-0832 LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.93 0.11 0.28	4.74
22 07 19 00-0833 LF 6" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.94 0.11 0.29	4.88
22 07 19 00-0834 LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.67 0.12 0.30	4.95
22 07 19 00-0835 LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.41 0.12 0.31	5.02
22 07 19 00-0836 LF 7" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.71 0.13 0.33	5.14

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0837 LF 7-1/4" ID, 0.032" Aluminum Insulation Jacketing	34.64	5.26
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.34	
22 07 19 00-0838 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing	35.43	5.35
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.35	
22 07 19 00-0839 LF 8" ID, 0.032" Aluminum Insulation Jacketing	36.69	5.44
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.37	
22 07 19 00-0840 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing	37.91	5.53
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.40	
22 07 19 00-0841 LF 9" ID, 0.032" Aluminum Insulation Jacketing	39.38	5.67
For Stucco Embossed, Add	0.17	
For Corrugated, Add	0.42	
22 07 19 00-0842 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing	40.72	5.78
For Stucco Embossed, Add	0.18	
For Corrugated, Add	0.44	
22 07 19 00-0843 LF 10" ID, 0.032" Aluminum Insulation Jacketing	42.01	5.88
For Stucco Embossed, Add	0.19	
For Corrugated, Add	0.46	
22 07 19 00-0844 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing	43.32	5.98
For Stucco Embossed, Add	0.19	
For Corrugated, Add	0.48	
22 07 19 00-0845 LF 11" ID, 0.0106 Aluminum Insulation Jacketing	44.88	6.15
For Stucco Embossed, Add	0.20	
For Corrugated, Add	0.51	
22 07 19 00-0846 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing	46.29	6.27
For Stucco Embossed, Add	0.21	
For Corrugated, Add	0.53	
22 07 19 00-0847 LF 12" ID, 0.032" Aluminum Insulation Jacketing	47.66	6.39
For Stucco Embossed, Add	0.22	
For Corrugated, Add	0.55	
22 07 19 00-0848 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing	49.31	6.58
For Stucco Embossed, Add	0.23	
For Corrugated, Add	0.57	
22 07 19 00-0849 LF 13" ID, 0.032" Aluminum Insulation Jacketing	50.46	6.64
For Stucco Embossed, Add	0.24	
For Corrugated, Add	0.60	
22 07 19 00-0850 LF 14" ID, 0.032" Aluminum Insulation Jacketing	52.55	6.71
For Stucco Embossed, Add	0.26	
For Corrugated, Add	0.64	
22 07 19 00-0851 LF 15" ID, 0.032" Aluminum Insulation Jacketing	54.87	6.86
For Stucco Embossed, Add	0.27	
For Corrugated, Add	0.69	
22 07 19 00-0852 LF 16" ID, 0.032" Aluminum Insulation Jacketing	57.00	6.93
For Stucco Embossed, Add	0.29	
For Corrugated, Add	0.73	
22 07 19 00-0853 LF 17" ID, 0.032" Aluminum Insulation Jacketing	59.35	7.08
For Stucco Embossed, Add	0.31	
For Corrugated, Add	0.78	
22 07 19 00-0854 LF 18" ID, 0.032" Aluminum Insulation Jacketing	60.87	7.15
For Stucco Embossed, Add	0.32	
For Corrugated, Add	0.81	
22 07 19 00-0855 LF 19" ID, 0.032" Aluminum Insulation Jacketing	63.89	7.31
For Stucco Embossed, Add	0.35	
For Corrugated, Add	0.87	
22 07 19 00-0856 LF 20" ID, 0.032" Aluminum Insulation Jacketing	66.04	7.39
For Stucco Embossed, Add	0.36	
For Corrugated, Add	0.91	
22 07 19 00-0857 LF 21" ID, 0.032" Aluminum Insulation Jacketing	68.49	7.56
For Stucco Embossed, Add	0.38	
For Corrugated, Add	0.96	
22 07 19 00-0858 LF 22" ID, 0.032" Aluminum Insulation Jacketing	70.60	7.65
For Stucco Embossed, Add	0.40	
For Corrugated, Add	1.00	
22 07 19 00-0859 LF 23" ID, 0.032" Aluminum Insulation Jacketing	73.16	7.84
For Stucco Embossed, Add	0.42	
For Corrugated, Add	1.05	
22 07 19 00-0860 LF 24" ID, 0.032" Aluminum Insulation Jacketing	75.31	7.93
For Stucco Embossed, Add	0.44	
For Corrugated, Add	1.09	
22 07 19 00-0861 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0850)</small>		
22 07 19 00-0862 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing	15.63	3.44
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0863 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing	16.52	3.52
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0864 LF 1" ID, 0.040" Aluminum Insulation Jacketing	17.40	3.60
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0865 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.31 0.04 0.09	3.70
22 07 19 00-0866 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.08 0.04 0.10	3.75
22 07 19 00-0867 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.87 0.05 0.12	3.81
22 07 19 00-0868 LF 2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.73 0.05 0.13	3.88
22 07 19 00-0869 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.61 0.06 0.14	3.96
22 07 19 00-0870 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.58 0.06 0.16	4.05
22 07 19 00-0871 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.39 0.07 0.17	4.11
22 07 19 00-0872 LF 3" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.38 0.08 0.19	4.20
22 07 19 00-0873 LF 3-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.32 0.08 0.20	4.30
22 07 19 00-0874 LF 3-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.27 0.09 0.22	4.40
22 07 19 00-0875 LF 3-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.13 0.09 0.23	4.48
22 07 19 00-0876 LF 4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.13 0.10 0.24	4.58
22 07 19 00-0877 LF 4-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.14 0.10 0.26	4.71
22 07 19 00-0878 LF 4-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.25 0.11 0.27	4.83
22 07 19 00-0879 LF 4-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.17 0.12 0.29	4.92
22 07 19 00-0880 LF 5" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.25 0.12 0.30	5.05
22 07 19 00-0881 LF 5-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.36 0.13 0.32	5.18
22 07 19 00-0882 LF 5-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.34 0.13 0.33	5.29
22 07 19 00-0883 LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.58 0.14 0.35	5.44
22 07 19 00-0884 LF 6" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.78 0.14 0.36	5.60
22 07 19 00-0885 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.68 0.15 0.37	5.69
22 07 19 00-0886 LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.57 0.15 0.39	5.78
22 07 19 00-0887 LF 7" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.16 0.17 0.41	5.92
22 07 19 00-0888 LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.28 0.17 0.43	6.06
22 07 19 00-0889 LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.23 0.18 0.44	6.15
22 07 19 00-0890 LF 8" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.76 0.19 0.47	6.26
22 07 19 00-0891 LF 8-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.27 0.20 0.50	6.36
22 07 19 00-0892 LF 9" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.04 0.21 0.52	6.52

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0893	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.68 0.22 0.55	6.64
22 07 19 00-0894	LF		10" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.26 0.23 0.58	6.75
22 07 19 00-0895	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.86 0.24 0.61	6.89
22 07 19 00-0896	LF		11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	53.74 0.25 0.64	7.08
22 07 19 00-0897	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	55.47 0.27 0.67	7.21
22 07 19 00-0898	LF		12" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	57.13 0.28 0.69	7.35
22 07 19 00-0899	LF		12-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	59.13 0.29 0.72	7.57
22 07 19 00-0900	LF		13" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	60.53 0.30 0.75	7.64
22 07 19 00-0901	LF		14" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	63.14 0.32 0.81	7.72
22 07 19 00-0902	LF		15" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	66.00 0.34 0.86	7.89
22 07 19 00-0903	LF		16" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	68.63 0.37 0.92	7.97
22 07 19 00-0904	LF		17" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	71.52 0.39 0.97	8.14
22 07 19 00-0905	LF		18" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	73.40 0.40 1.01	8.23
22 07 19 00-0906	LF		19" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	77.12 0.43 1.09	8.41
22 07 19 00-0907	LF		20" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	79.78 0.46 1.14	8.50
22 07 19 00-0908	LF		21" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	82.78 0.48 1.20	8.70
22 07 19 00-0909	LF		22" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	85.41 0.50 1.26	8.80
22 07 19 00-0910	LF		23" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	88.54 0.52 1.31	9.01
22 07 19 00-0911	LF		24" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	91.19 0.55 1.37	9.12
22 07 19 00-0912 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0650)					
22 07 19 00-0913	EA		1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.14	3.53
22 07 19 00-0914	EA		1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.66	3.67
22 07 19 00-0915	EA		2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.07	3.81
22 07 19 00-0916	EA		2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.30	3.87
22 07 19 00-0917	EA		2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.54	3.93
22 07 19 00-0918	EA		2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.92	4.02
22 07 19 00-0919	EA		3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.50	4.12
22 07 19 00-0920	EA		3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.92	4.23
22 07 19 00-0921	EA		3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.95	4.30
22 07 19 00-0922	EA		3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.71	4.38
22 07 19 00-0923	EA		4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.03	4.49
22 07 19 00-0924	EA		4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.91	4.58
22 07 19 00-0925	EA		4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.25	4.66
22 07 19 00-0926	EA		4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.61	4.76
22 07 19 00-0927	EA		5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.48	4.85
22 07 19 00-0928	EA		5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.25	4.95
22 07 19 00-0929	EA		5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.13	5.10
22 07 19 00-0930	EA		5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	52.55	5.21
22 07 19 00-0931	EA		6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	48.57	5.38
22 07 19 00-0932	EA		6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.05	5.49
22 07 19 00-0933	EA		6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.33	5.68
22 07 19 00-0934	EA		7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	62.83	5.82
22 07 19 00-0935	EA		7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	63.11	5.89
22 07 19 00-0936	EA		7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	81.99	5.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0937	EA		8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	67.49	6.04
22 07 19 00-0938	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	104.86	6.18
22 07 19 00-0939	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	105.49	6.34
22 07 19 00-0940	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	84.64	6.42
22 07 19 00-0941	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	84.98	6.51
22 07 19 00-0942	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	86.59	6.59
22 07 19 00-0943	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	86.96	6.68
22 07 19 00-0944	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	95.93	6.88
22 07 19 00-0945	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	96.32	6.97
22 07 19 00-0946	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	150.51	7.17
22 07 19 00-0947	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	150.93	7.28
22 07 19 00-0948	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	193.37	7.49
22 07 19 00-0949	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	201.72	7.73
22 07 19 00-0950	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	217.73	7.86
22 07 19 00-0951	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.13	3.93
22 07 19 00-0952	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.51	4.02
22 07 19 00-0953	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.41	4.12
22 07 19 00-0954	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.83	4.23
22 07 19 00-0955	EA		3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	31.94	4.30
22 07 19 00-0956	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	32.24	4.38
22 07 19 00-0957	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	32.97	4.49
22 07 19 00-0958	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.42	4.58
22 07 19 00-0959	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.76	4.66
22 07 19 00-0960	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.12	4.76
22 07 19 00-0961	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	39.47	4.85
22 07 19 00-0962	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	39.86	4.95
22 07 19 00-0963	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	41.46	5.10
22 07 19 00-0964	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	42.56	5.38
22 07 19 00-0965	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	51.81	5.68
22 07 19 00-0966	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	52.34	5.82
22 07 19 00-0967	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	53.17	5.96
22 07 19 00-0968	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	53.46	6.04
22 07 19 00-0969	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	61.22	6.18
22 07 19 00-0970	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	61.85	6.34
22 07 19 00-0971	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	76.35	6.42
22 07 19 00-0972	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	76.69	6.51
22 07 19 00-0973	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	73.75	6.59
22 07 19 00-0974	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	74.12	6.68
22 07 19 00-0975	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	84.39	6.88
22 07 19 00-0976	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	84.78	6.97
22 07 19 00-0977	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	95.89	7.28
22 07 19 00-0978	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	111.95	7.49
22 07 19 00-0979	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	157.19	7.73
22 07 19 00-0980	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	168.30	7.86
22 07 19 00-0981	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	165.59	7.98
22 07 19 00-0982	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	184.91	8.11
22 07 19 00-0983	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	219.23	8.25
22 07 19 00-0984	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	213.66	8.38
22 07 19 00-0985	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	228.57	8.53
22 07 19 00-0986	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing.....	100.99	5.62
22 07 19 00-0987	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing.....	101.51	5.76
22 07 19 00-0988	EA		3" ID, Aluminum Tee Insulation Jacketing.....	112.24	5.89
22 07 19 00-0989	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing.....	112.81	6.04
22 07 19 00-0990	EA		3-1/2" ID Aluminum Tee Insulation Jacketing.....	117.67	6.18
22 07 19 00-0991	EA		4" ID, Aluminum Tee Insulation Jacketing.....	119.30	6.34
22 07 19 00-0992	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing.....	125.39	6.51
22 07 19 00-0993	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing.....	125.29	6.68
22 07 19 00-0994	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing.....	126.02	6.88
22 07 19 00-0995	EA		5" ID, Aluminum Tee Insulation Jacketing.....	130.49	7.07
22 07 19 00-0996	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing.....	131.32	7.28
22 07 19 00-0997	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing.....	136.74	7.49
22 07 19 00-0998	EA		6" ID, Aluminum Tee Insulation Jacketing.....	137.67	7.73
22 07 19 00-0999	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing.....	150.25	8.25
22 07 19 00-1000	EA		7" ID, Aluminum Tee Insulation Jacketing.....	151.38	8.53
22 07 19 00-1001	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing.....	165.73	8.83
22 07 19 00-1002	EA		8" ID, Aluminum Tee Insulation Jacketing.....	167.04	9.16
22 07 19 00-1003	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing.....	171.89	9.51
22 07 19 00-1004	EA		9" ID, Aluminum Tee Insulation Jacketing.....	173.41	9.90
22 07 19 00-1005	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing.....	139.71	10.10
22 07 19 00-1006	EA		10" ID, Aluminum Tee Insulation Jacketing.....	140.55	10.31
22 07 19 00-1007	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing.....	147.90	10.53
22 07 19 00-1008	EA		11" ID, Aluminum Tee Insulation Jacketing.....	148.82	10.75
22 07 19 00-1009	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing.....	155.54	11.00
22 07 19 00-1010	EA		12" ID, Aluminum Tee Insulation Jacketing.....	156.54	11.25
22 07 19 00-1011	EA		13" ID, Aluminum Tee Insulation Jacketing.....	163.14	11.50
22 07 19 00-1012	EA		14" ID, Aluminum Tee Insulation Jacketing.....	169.97	11.78
22 07 19 00-1013	EA		15" ID, Aluminum Tee Insulation Jacketing.....	181.14	12.07
22 07 19 00-1014	EA		16" ID, Aluminum Tee Insulation Jacketing.....	185.70	12.37
22 07 19 00-1015	EA		17" ID, Aluminum Tee Insulation Jacketing.....	207.36	12.68
22 07 19 00-1016	EA		18" ID, Aluminum Tee Insulation Jacketing.....	214.79	13.02
22 07 19 00-1017	EA		19" ID, Aluminum Tee Insulation Jacketing.....	233.41	13.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1018 EA 20" ID, Aluminum Tee Insulation Jacketing.....	238.83	13.74
22 07 19 00-1019 EA 22" ID, Aluminum Tee Insulation Jacketing.....	290.43	14.14
22 07 19 00-1020 EA 23" ID, Aluminum Tee Insulation Jacketing.....	298.60	14.55
22 07 19 00-1021 EA 24" ID, Aluminum Tee Insulation Jacketing.....	310.48	15.96
22 07 19 00-1022 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0649)		
22 07 19 00-1023 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-1022)		
22 07 19 00-1024 SF 0.010" Stainless Steel Insulation Jacket With Bands.....	23.46	9.28
22 07 19 00-1025 SF 0.016" Stainless Steel Insulation Jacket With Bands.....	28.85	11.13
22 07 19 00-1026 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-1022)		
22 07 19 00-1027 LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.09	1.98
22 07 19 00-1028 LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.62	2.02
22 07 19 00-1029 LF 3" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.16	2.06
22 07 19 00-1030 LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.71	2.11
22 07 19 00-1031 LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.26	2.15
22 07 19 00-1032 LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.82	2.20
22 07 19 00-1033 LF 4" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.40	2.25
22 07 19 00-1034 LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.98	2.30
22 07 19 00-1035 LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.55	2.35
22 07 19 00-1036 LF 5" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.79	2.47
22 07 19 00-1037 LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.04	2.60
22 07 19 00-1038 LF 6" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.36	2.75
22 07 19 00-1039 LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.41	2.83
22 07 19 00-1040 LF 7" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.49	2.91
22 07 19 00-1041 LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.66	3.02
22 07 19 00-1042 LF 8" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.61	3.07
22 07 19 00-1043 LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.59	3.13
22 07 19 00-1044 LF 9" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.58	3.19
22 07 19 00-1045 LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.57	3.25
22 07 19 00-1046 LF 10" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.57	3.32
22 07 19 00-1047 LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	29.59	3.39
22 07 19 00-1048 LF 11" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.62	3.46
22 07 19 00-1049 LF 12" ID, 0.010" Stainless Steel Insulation Jacketing.....	32.70	3.61
22 07 19 00-1050 LF 13" ID, 0.010" Stainless Steel Insulation Jacketing.....	34.73	3.75
22 07 19 00-1051 LF 14" ID, 0.010" Stainless Steel Insulation Jacketing.....	36.44	3.81
22 07 19 00-1052 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-1022)		
22 07 19 00-1053 LF 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.58	2.64
22 07 19 00-1054 LF 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.32	2.69
22 07 19 00-1055 LF 3" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.09	2.75
22 07 19 00-1056 LF 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.87	2.80
22 07 19 00-1057 LF 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.65	2.86
22 07 19 00-1058 LF 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.44	2.93
22 07 19 00-1059 LF 4" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.24	2.99
22 07 19 00-1060 LF 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.05	3.06
22 07 19 00-1061 LF 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.88	3.13
22 07 19 00-1062 LF 5" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.60	3.29
22 07 19 00-1063 LF 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.35	3.46
22 07 19 00-1064 LF 6" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.19	3.66
22 07 19 00-1065 LF 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.68	3.76
22 07 19 00-1066 LF 7" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.21	3.87
22 07 19 00-1067 LF 7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.84	4.01
22 07 19 00-1068 LF 8" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.22	4.09
22 07 19 00-1069 LF 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	35.60	4.16
22 07 19 00-1070 LF 9" ID, 0.016" Stainless Steel Insulation Jacketing.....	37.01	4.24
22 07 19 00-1071 LF 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.42	4.33
22 07 19 00-1072 LF 10" ID, 0.016" Stainless Steel Insulation Jacketing.....	39.83	4.41
22 07 19 00-1073 LF 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	41.28	4.50
22 07 19 00-1074 LF 11" ID, 0.016" Stainless Steel Insulation Jacketing.....	42.73	4.60
22 07 19 00-1075 LF 12" ID, 0.016" Stainless Steel Insulation Jacketing.....	45.67	4.81
22 07 19 00-1076 LF 13" ID, 0.016" Stainless Steel Insulation Jacketing.....	48.56	4.99
22 07 19 00-1077 LF 14" ID, 0.016" Stainless Steel Insulation Jacketing.....	51.00	5.06
22 07 19 00-1078 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-1022)		
22 07 19 00-1079 EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.13	3.93
22 07 19 00-1080 EA 2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.51	4.02
22 07 19 00-1081 EA 3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	35.76	4.12
22 07 19 00-1082 EA 3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.18	4.23
22 07 19 00-1083 EA 3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	37.45	4.30
22 07 19 00-1084 EA 3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	38.90	4.38
22 07 19 00-1085 EA 4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	41.50	4.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1086	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	49.58	4.58
22 07 19 00-1087	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	49.92	4.66
22 07 19 00-1088	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	51.37	4.85
22 07 19 00-1089	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	68.07	5.10
22 07 19 00-1090	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	73.83	5.38
22 07 19 00-1091	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	94.76	5.68
22 07 19 00-1092	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	95.29	5.82
22 07 19 00-1093	EA		7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	107.92	5.96
22 07 19 00-1094	EA		8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	108.82	6.18
22 07 19 00-1095	EA		8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	111.68	6.18
22 07 19 00-1096	EA		9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	157.61	6.34
22 07 19 00-1097	EA		9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	155.64	6.42
22 07 19 00-1098	EA		10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	155.98	6.51
22 07 19 00-1099	EA		10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	181.85	6.59
22 07 19 00-1100	EA		11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	175.16	6.68
22 07 19 00-1101	EA		12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	196.36	6.97
22 07 19 00-1102	EA		13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	262.54	7.28
22 07 19 00-1103	EA		14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	265.01	7.49
22 07 19 00-1104	EA		2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.06	3.93
22 07 19 00-1105	EA		2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.44	4.02
22 07 19 00-1106	EA		3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.01	4.12
22 07 19 00-1107	EA		3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.43	4.23
22 07 19 00-1108	EA		3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.94	4.30
22 07 19 00-1109	EA		3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	34.24	4.38
22 07 19 00-1110	EA		4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.50	4.49
22 07 19 00-1111	EA		4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	48.52	4.58
22 07 19 00-1112	EA		4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	48.86	4.66
22 07 19 00-1113	EA		4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	49.22	4.76
22 07 19 00-1114	EA		5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	50.11	4.85
22 07 19 00-1115	EA		5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	51.12	5.10
22 07 19 00-1116	EA		6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	57.93	5.38
22 07 19 00-1117	EA		6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	59.17	5.68
22 07 19 00-1118	EA		7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	84.91	5.82
22 07 19 00-1119	EA		7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	86.74	5.96
22 07 19 00-1120	EA		8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	87.03	6.04
22 07 19 00-1121	EA		8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	98.34	6.18
22 07 19 00-1122	EA		9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	98.97	6.34
22 07 19 00-1123	EA		9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	112.11	6.42
22 07 19 00-1124	EA		10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	112.45	6.51
22 07 19 00-1125	EA		10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	130.23	6.59
22 07 19 00-1126	EA		11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	130.60	6.68
22 07 19 00-1127	EA		12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	140.65	6.97
22 07 19 00-1128	EA		13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	161.81	7.28
22 07 19 00-1129			Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0649)		
22 07 19 00-1130			20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1129)		
22 07 19 00-1131	LF		1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.66	1.83
22 07 19 00-1132	LF		2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.38	1.90
22 07 19 00-1133	LF		2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.02	1.98
22 07 19 00-1134	LF		3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.79	2.06
22 07 19 00-1135	LF		3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.48	2.15
22 07 19 00-1136	LF		4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.26	2.25
22 07 19 00-1137	LF		4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.07	2.35
22 07 19 00-1138	LF		5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.88	2.47
22 07 19 00-1139	LF		5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.79	2.60
22 07 19 00-1140	LF		6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.76	2.75
22 07 19 00-1141	LF		6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.45	2.83
22 07 19 00-1142	LF		7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.11	2.91
22 07 19 00-1143	LF		7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.99	3.02
22 07 19 00-1144	LF		8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.54	3.07
22 07 19 00-1145	LF		8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.16	3.13
22 07 19 00-1146	LF		9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.79	3.19
22 07 19 00-1147	LF		9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.43	3.25
22 07 19 00-1148	LF		10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.02	3.32
22 07 19 00-1149	LF		10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	21.68	3.39
22 07 19 00-1150	LF		11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	22.35	3.46
22 07 19 00-1151	LF		11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.04	3.53
22 07 19 00-1152	LF		12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	23.68	3.61
22 07 19 00-1153	LF		12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	24.45	3.70
22 07 19 00-1154	LF		13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	25.00	3.75
22 07 19 00-1155	LF		13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	25.38	3.75
22 07 19 00-1156	LF		14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	26.01	3.81
22 07 19 00-1157	LF		15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	27.02	3.87
22 07 19 00-1158	LF		16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	27.97	3.93
22 07 19 00-1159	LF		17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	29.01	3.99
22 07 19 00-1160	LF		18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	30.05	4.06
22 07 19 00-1161	LF		19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	31.03	4.12
22 07 19 00-1162	LF		20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	32.09	4.19
22 07 19 00-1163	LF		21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	33.09	4.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			22 07 19 00-1164 LF 22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	34.17	4.34
			22 07 19 00-1165 LF 23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	35.20	4.41
			22 07 19 00-1166 LF 24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	36.29	4.49
			22 07 19 00-1167 LF 25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	37.41	4.58
			22 07 19 00-1168 LF 26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	38.46	4.66
			22 07 19 00-1169 LF 27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	39.60	4.76
			22 07 19 00-1170 LF 28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	40.69	4.85
			22 07 19 00-1171 LF 29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	41.85	4.95
			22 07 19 00-1172 LF 30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	43.03	5.05
22 07 19 00-1173			30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1129)		
			22 07 19 00-1174 LF 2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.21	1.90
			22 07 19 00-1175 LF 2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.07	1.98
			22 07 19 00-1176 LF 3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.01	2.06
			22 07 19 00-1177 LF 3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.86	2.15
			22 07 19 00-1178 LF 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.81	2.25
			22 07 19 00-1179 LF 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.78	2.35
			22 07 19 00-1180 LF 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.82	2.47
			22 07 19 00-1181 LF 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.89	2.60
			22 07 19 00-1182 LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.02	2.75
			22 07 19 00-1183 LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.88	2.83
			22 07 19 00-1184 LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.77	2.91
			22 07 19 00-1185 LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.81	3.02
			22 07 19 00-1186 LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.58	3.07
			22 07 19 00-1187 LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.37	3.13
			22 07 19 00-1188 LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.16	3.19
			22 07 19 00-1189 LF 9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.97	3.25
			22 07 19 00-1190 LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.78	3.32
			22 07 19 00-1191 LF 10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.60	3.39
			22 07 19 00-1192 LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.45	3.46
			22 07 19 00-1193 LF 11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.30	3.53
			22 07 19 00-1194 LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.16	3.61
			22 07 19 00-1195 LF 12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.09	3.70
			22 07 19 00-1196 LF 13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.86	3.75
			22 07 19 00-1197 LF 13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	30.42	3.75
			22 07 19 00-1198 LF 14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	31.21	3.81
			22 07 19 00-1199 LF 15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	32.54	3.87
			22 07 19 00-1200 LF 16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	33.89	3.93
			22 07 19 00-1201 LF 17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	35.26	3.99
			22 07 19 00-1202 LF 18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	36.69	4.06
			22 07 19 00-1203 LF 19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	38.05	4.12
			22 07 19 00-1204 LF 20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	39.44	4.19
			22 07 19 00-1205 LF 21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	40.84	4.26
			22 07 19 00-1206 LF 22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	42.24	4.34
			22 07 19 00-1207 LF 23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	43.66	4.41
			22 07 19 00-1208 LF 24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	45.08	4.49
			22 07 19 00-1209 LF 25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	46.58	4.58
			22 07 19 00-1210 LF 26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	48.03	4.66
			22 07 19 00-1211 LF 27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	49.50	4.76
			22 07 19 00-1212 LF 28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	50.97	4.85
			22 07 19 00-1213 LF 29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	52.47	4.95
			22 07 19 00-1214 LF 30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	53.97	5.05
22 07 19 00-1215			Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-1129)		
			22 07 19 00-1216 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.70	3.67
			22 07 19 00-1217 EA 2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.99	3.81
			22 07 19 00-1218 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.66	3.87
			22 07 19 00-1219 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.34	3.93
			22 07 19 00-1220 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.11	4.02
			22 07 19 00-1221 EA 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.80	4.12
			22 07 19 00-1222 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.09	4.26
			22 07 19 00-1223 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.26	4.38
			22 07 19 00-1224 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.50	4.49
			22 07 19 00-1225 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	29.13	4.72
			22 07 19 00-1226 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.79	4.95
			22 07 19 00-1227 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	36.64	5.21
			22 07 19 00-1228 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	48.36	5.49
			22 07 19 00-1229 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	50.51	5.68
			22 07 19 00-1230 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	58.06	5.82
			22 07 19 00-1231 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	60.33	5.96
			22 07 19 00-1232 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	71.68	6.18
			22 07 19 00-1233 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	88.40	6.42
			22 07 19 00-1234 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	96.75	6.68
			22 07 19 00-1235 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	108.10	6.97
			22 07 19 00-1236 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	130.39	7.28
			22 07 19 00-1237 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	145.77	7.49
			22 07 19 00-1238 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	155.32	7.73
			22 07 19 00-1239 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	167.20	7.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1240	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	182.59	7.98
22 07 19 00-1241	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	226.79	8.11
22 07 19 00-1242	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	296.84	8.25
22 07 19 00-1243	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	372.64	8.38
22 07 19 00-1244	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	17.70	3.67
22 07 19 00-1245	EA		2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	18.99	3.81
22 07 19 00-1246	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.66	3.87
22 07 19 00-1247	EA		2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	20.34	3.93
22 07 19 00-1248	EA		2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.11	4.02
22 07 19 00-1249	EA		3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.80	4.12
22 07 19 00-1250	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	23.09	4.26
22 07 19 00-1251	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	24.26	4.38
22 07 19 00-1252	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	26.50	4.49
22 07 19 00-1253	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	29.13	4.72
22 07 19 00-1254	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	31.79	4.95
22 07 19 00-1255	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	36.64	5.21
22 07 19 00-1256	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	48.36	5.49
22 07 19 00-1257	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	50.51	5.68
22 07 19 00-1258	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	58.06	5.82
22 07 19 00-1259	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	60.33	5.96
22 07 19 00-1260	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	71.68	6.18
22 07 19 00-1261	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	88.40	6.42
22 07 19 00-1262	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	96.69	6.68
22 07 19 00-1263	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	105.00	6.97
22 07 19 00-1264	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	115.19	7.28
22 07 19 00-1265	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	128.35	7.49
22 07 19 00-1266	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	136.47	7.73
22 07 19 00-1267	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	151.94	7.86
22 07 19 00-1268	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	167.66	7.98
22 07 19 00-1269	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	198.31	8.11
22 07 19 00-1270	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	259.24	8.25
22 07 19 00-1271	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	289.81	8.38
22 07 19 00-1272	EA		1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	26.37	5.15
22 07 19 00-1273	EA		2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	27.57	5.26
22 07 19 00-1274	EA		2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	28.83	5.43
22 07 19 00-1275	EA		2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	30.23	5.62
22 07 19 00-1276	EA		2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	31.79	5.82
22 07 19 00-1277	EA		3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	33.36	6.04
22 07 19 00-1278	EA		3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	35.67	6.26
22 07 19 00-1279	EA		3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	38.09	6.51
22 07 19 00-1280	EA		4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	41.38	6.78
22 07 19 00-1281	EA		4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	46.02	7.07
22 07 19 00-1282	EA		5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	50.87	7.38
22 07 19 00-1283	EA		5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	59.77	7.86
22 07 19 00-1284	EA		6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	70.26	8.25
22 07 19 00-1285	EA		6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	79.65	8.38
22 07 19 00-1286	EA		7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	109.24	8.68
22 07 19 00-1287	EA		7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	118.37	9.16
22 07 19 00-1288	EA		8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	137.47	9.51
22 07 19 00-1289	EA		9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	156.80	9.90
22 07 19 00-1290	EA		10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	159.83	10.31
22 07 19 00-1291	EA		11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	173.86	10.53
22 07 19 00-1292	EA		12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	187.94	10.75
22 07 19 00-1293	EA		14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	202.16	11.00
22 07 19 00-1294	EA		15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	216.26	11.25
22 07 19 00-1295	EA		16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	230.53	11.50
22 07 19 00-1296	EA		17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	244.66	11.78
22 07 19 00-1297	EA		18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	265.72	12.07
22 07 19 00-1298	EA		19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	286.73	12.37
22 07 19 00-1299	EA		20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	312.17	12.68
22 07 19 00-1300	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	38.19	3.53
22 07 19 00-1301	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	38.19	3.53
22 07 19 00-1302	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	45.13	3.67
22 07 19 00-1303	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	45.13	3.67
22 07 19 00-1304	EA		2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	63.28	3.81
22 07 19 00-1305	EA		2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	69.19	3.96
22 07 19 00-1306	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	76.26	4.12
22 07 19 00-1307	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	86.38	4.30
22 07 19 00-1308	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	95.07	4.49
22 07 19 00-1309	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	115.61	4.95
22 07 19 00-1310	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	163.53	5.49
22 07 19 00-1311	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	178.89	6.18
22 07 19 00-1312	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	223.60	6.59
22 07 19 00-1313	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	312.74	7.28
22 07 19 00-1314	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	314.58	7.61
22 07 19 00-1315	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	417.84	7.86
22 07 19 00-1316	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	563.90	8.11
22 07 19 00-1317	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	35.54	3.53
22 07 19 00-1318	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	35.54	3.53
22 07 19 00-1319	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	41.92	3.67
22 07 19 00-1320	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	41.92	3.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1321	EA		2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	58.03	3.81
22 07 19 00-1322	EA		2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	63.33	3.96
22 07 19 00-1323	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	69.85	4.12
22 07 19 00-1324	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	73.50	4.30
22 07 19 00-1325	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	86.55	4.49
22 07 19 00-1326	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	105.05	4.95
22 07 19 00-1327	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	148.00	5.49
22 07 19 00-1328	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	161.86	6.18
22 07 19 00-1329	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	201.93	6.59
22 07 19 00-1330	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	281.72	7.28
22 07 19 00-1331	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	359.03	7.61
22 07 19 00-1332	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	429.51	7.86
22 07 19 00-1333	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	502.30	8.11
22 07 19 00-1334	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.62	5.32
22 07 19 00-1335	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.62	5.32
22 07 19 00-1336	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	61.58	5.49
22 07 19 00-1337	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	61.58	5.49
22 07 19 00-1338	EA		2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	85.17	5.68
22 07 19 00-1339	EA		2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	93.01	5.89
22 07 19 00-1340	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	102.42	6.18
22 07 19 00-1341	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	108.03	6.42
22 07 19 00-1342	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	127.63	6.78
22 07 19 00-1343	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	140.28	7.38
22 07 19 00-1344	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	196.82	8.25
22 07 19 00-1345	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	214.24	9.16
22 07 19 00-1346	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	296.02	9.90
22 07 19 00-1347	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	411.65	10.75
22 07 19 00-1348	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	491.28	11.50
22 07 19 00-1349	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	581.22	11.78
22 07 19 00-1350	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	636.67	12.07

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	21.36	4.56
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.83	
		For ASTM 120, Deduct	-0.94	
		For Work In Restricted Working Space, Add	4.54	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	23.59	4.90
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	6.62	
		For ASTM 120, Deduct	-1.14	
		For Work In Restricted Working Space, Add	4.79	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	27.03	5.36
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	7.89	
		For ASTM 120, Deduct	-1.49	
		For Work In Restricted Working Space, Add	5.13	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	32.30	5.58
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	10.00	
		For ASTM 120, Deduct	-2.12	
		For Work In Restricted Working Space, Add	5.45	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	34.92	6.61
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	10.98	
		For ASTM 120, Deduct	-2.40	
		For Work In Restricted Working Space, Add	5.68	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	42.32	7.97
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	13.66	
		For ASTM 120, Deduct	-3.12	
		For Work In Restricted Working Space, Add	6.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0008	LF		2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....61.69 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 21.45 <i>For ASTM 120, Deduct</i> -5.47 <i>For Work In Restricted Working Space, Add</i> 7.57		9.46
	22 11 16 00-0009	LF		3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....76.73 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 26.88 <i>For ASTM 120, Deduct</i> -6.92 <i>For Work In Restricted Working Space, Add</i> 9.17		12.64
	22 11 16 00-0010	LF		4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....115.07 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 43.45 <i>For ASTM 120, Deduct</i> -12.26 <i>For Work In Restricted Working Space, Add</i> 10.00		14.27
	22 11 16 00-0011	LF		5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....208.85 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 83.92 <i>For ASTM 120, Deduct</i> -25.29 <i>For Work In Restricted Working Space, Add</i> 12.08		18.23
	22 11 16 00-0012	LF		6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....236.27 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 94.88 <i>For ASTM 120, Deduct</i> -28.58 <i>For Work In Restricted Working Space, Add</i> 13.73		21.56
	22 11 16 00-0013			Galvanized Steel Pipe And Threaded Fittings <small>(22 11 16)</small> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
	22 11 16 00-0014			Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe <small>(22 11 16 00-0013)</small> Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.		
	22 11 16 00-0015	LF		1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....10.33 <i>For Schedule 80 Pipe, Add</i> 2.34 <i>For ASTM 120, Deduct</i> -0.51 <i>For Work In Restricted Working Space, Add</i> 2.07		4.56
	22 11 16 00-0016	LF		3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....11.88 <i>For Schedule 80 Pipe, Add</i> 2.91 <i>For ASTM 120, Deduct</i> -0.68 <i>For Work In Restricted Working Space, Add</i> 2.21		4.90
	22 11 16 00-0017	LF		1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....14.69 <i>For Schedule 80 Pipe, Add</i> 4.03 <i>For ASTM 120, Deduct</i> -1.01 <i>For Work In Restricted Working Space, Add</i> 2.39		5.36
	22 11 16 00-0018	LF		1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....17.55 <i>For Schedule 80 Pipe, Add</i> 5.22 <i>For ASTM 120, Deduct</i> -1.37 <i>For Work In Restricted Working Space, Add</i> 2.53		5.58
	22 11 16 00-0019	LF		1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....20.80 <i>For Schedule 80 Pipe, Add</i> 6.22 <i>For ASTM 120, Deduct</i> -1.64 <i>For Work In Restricted Working Space, Add</i> 2.97		6.61
	22 11 16 00-0020	LF		2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....26.61 <i>For Schedule 80 Pipe, Add</i> 8.22 <i>For ASTM 120, Deduct</i> -2.19 <i>For Work In Restricted Working Space, Add</i> 3.59		7.97
	22 11 16 00-0021	LF		2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....37.45 <i>For Schedule 80 Pipe, Add</i> 12.56 <i>For ASTM 120, Deduct</i> -3.48 <i>For Work In Restricted Working Space, Add</i> 4.27		9.46
	22 11 16 00-0022	LF		3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....49.38 <i>For Schedule 80 Pipe, Add</i> 16.49 <i>For ASTM 120, Deduct</i> -4.56 <i>For Work In Restricted Working Space, Add</i> 5.70		12.64
	22 11 16 00-0023	LF		4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....64.71 <i>For Schedule 80 Pipe, Add</i> 22.91 <i>For ASTM 120, Deduct</i> -6.49 <i>For Work In Restricted Working Space, Add</i> 6.44		14.27
	22 11 16 00-0024	LF		5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....85.32 <i>For Schedule 80 Pipe, Add</i> 30.58 <i>For ASTM 120, Deduct</i> -8.70 <i>For Work In Restricted Working Space, Add</i> 8.19		18.23
	22 11 16 00-0025	LF		6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....107.56 <i>For Schedule 80 Pipe, Add</i> 39.35 <i>For ASTM 120, Deduct</i> -11.29 <i>For Work In Restricted Working Space, Add</i> 9.69		21.56
	22 11 16 00-0026	LF		8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe120.31 <i>For Schedule 80 Pipe, Add</i> 42.93 <i>For ASTM 120, Deduct</i> -12.20 <i>For Work In Restricted Working Space, Add</i> 11.70		26.07

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22 11 16 00-0027			Seamless, Threaded And Coupled, Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
			Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0028	LF		1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	16.31	4.56
			For Schedule 80 Pipe, Add	5.21	
			For ASTM 120, Deduct	-1.41	
			For Work In Restricted Working Space, Add	2.07	
22 11 16 00-0029	LF		3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	18.62	4.90
			For Schedule 80 Pipe, Add	6.14	
			For ASTM 120, Deduct	-1.69	
			For Work In Restricted Working Space, Add	2.21	
22 11 16 00-0030	LF		1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	21.07	5.36
			For Schedule 80 Pipe, Add	7.09	
			For ASTM 120, Deduct	-1.97	
			For Work In Restricted Working Space, Add	2.39	
22 11 16 00-0031	LF		1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.91	5.58
			For Schedule 80 Pipe, Add	8.75	
			For ASTM 120, Deduct	-2.47	
			For Work In Restricted Working Space, Add	2.53	
22 11 16 00-0032	LF		1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.71	6.61
			For Schedule 80 Pipe, Add	10.02	
			For ASTM 120, Deduct	-2.82	
			For Work In Restricted Working Space, Add	2.97	
22 11 16 00-0033	LF		2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	33.41	7.97
			For Schedule 80 Pipe, Add	11.48	
			For ASTM 120, Deduct	-3.21	
			For Work In Restricted Working Space, Add	3.59	
22 11 16 00-0034	LF		2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	50.10	9.46
			For Schedule 80 Pipe, Add	18.64	
			For ASTM 120, Deduct	-5.38	
			For Work In Restricted Working Space, Add	4.27	
22 11 16 00-0035	LF		3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	62.84	12.64
			For Schedule 80 Pipe, Add	22.95	
			For ASTM 120, Deduct	-6.58	
			For Work In Restricted Working Space, Add	5.70	
22 11 16 00-0036	LF		4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	84.14	14.27
			For Schedule 80 Pipe, Add	32.24	
			For ASTM 120, Deduct	-9.40	
			For Work In Restricted Working Space, Add	6.44	
22 11 16 00-0037	LF		5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	109.12	18.23
			For Schedule 80 Pipe, Add	42.00	
			For ASTM 120, Deduct	-12.27	
			For Work In Restricted Working Space, Add	8.19	
22 11 16 00-0038	LF		6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	136.97	21.56
			For Schedule 80 Pipe, Add	53.47	
			For ASTM 120, Deduct	-15.70	
			For Work In Restricted Working Space, Add	9.69	
22 11 16 00-0039			Galvanized Malleable Iron 90 Degree Elbows <small>(22 11 16 00-0013)</small>		
22 11 16 00-0040	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	35.44	20.27
			For 300 LB Rating, Add	19.06	
			For ASTM 120, Deduct	-0.76	
			For Work In Restricted Working Space, Add	9.11	
22 11 16 00-0041	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	40.23	22.66
			For 300 LB Rating, Add	23.22	
			For ASTM 120, Deduct	-0.93	
			For Work In Restricted Working Space, Add	10.20	
22 11 16 00-0042	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	49.50	25.28
			For 300 LB Rating, Add	41.51	
			For ASTM 120, Deduct	-1.73	
			For Work In Restricted Working Space, Add	11.39	
22 11 16 00-0043	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	61.20	28.70
			For 300 LB Rating, Add	64.56	
			For ASTM 120, Deduct	-2.73	
			For Work In Restricted Working Space, Add	12.89	
22 11 16 00-0044	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	72.25	32.34
			For 300 LB Rating, Add	83.79	
			For ASTM 120, Deduct	-3.57	
			For Work In Restricted Working Space, Add	14.54	
22 11 16 00-0045	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	100.53	41.11
			For 300 LB Rating, Add	136.19	
			For ASTM 120, Deduct	-5.85	
			For Work In Restricted Working Space, Add	18.47	
22 11 16 00-0046	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	193.09	60.82
			For 300 LB Rating, Add	352.20	
			For ASTM 120, Deduct	-15.30	
			For Work In Restricted Working Space, Add	27.33	
22 11 16 00-0047	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	288.01	79.95
			For 300 LB Rating, Add	578.83	
			For ASTM 120, Deduct	-25.22	
			For Work In Restricted Working Space, Add	35.96	



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22 11 16 00-0048	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	421.68 1,015.74 -44.48 37.54	83.45
22 11 16 00-0049	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,411.17 4,361.84 -192.09 39.17	87.10
22 11 16 00-0050	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,317.09 4,022.13 -177.09 40.96	91.07
22 11 16 00-0051	EA		8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,566.95 4,851.11 -213.64 42.80	95.16
22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)					
22 11 16 00-0053	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.01 -1.62 9.65	21.41
22 11 16 00-0054	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.87 -2.08 10.79	24.03
22 11 16 00-0055	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	48.90 -2.21 10.25	22.77
22 11 16 00-0056	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.78 -3.50 12.14	26.99
22 11 16 00-0057	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.49 -4.20 11.55	25.62
22 11 16 00-0058	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.34 -4.45 11.00	24.48
22 11 16 00-0059	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	82.96 -5.59 13.71	30.52
22 11 16 00-0060	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	80.45 -5.59 12.96	28.82
22 11 16 00-0061	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	78.47 -5.59 12.37	27.44
22 11 16 00-0062	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	98.53 -6.53 16.50	36.67
22 11 16 00-0063	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	102.16 -7.48 15.68	34.85
22 11 16 00-0064	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	101.52 -7.76 14.93	33.14
22 11 16 00-0065	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	87.04 -5.89 14.33	31.89
22 11 16 00-0066	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	223.83 -22.13 22.90	50.90
22 11 16 00-0067	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	234.12 -24.65 20.94	46.58
22 11 16 00-0068	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	373.57 -40.21 31.65	70.38
22 11 16 00-0069	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	323.56 -34.93 27.22	60.47
22 11 16 00-0070	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	725.68 -91.00 35.71	79.37
22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)					
22 11 16 00-0072	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.08 24.64 -1.01 9.11	20.27
22 11 16 00-0073	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.66 34.88 -1.45 10.20	22.66

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22 11 16 00-0074	EA	1"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	48.86	25.28
			<i>For 300 LB Rating, Add</i>	39.34	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	11.39	
22 11 16 00-0075	EA	1-1/4"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	63.33	28.70
			<i>For 300 LB Rating, Add</i>	71.80	
			<i>For ASTM 120, Deduct</i>	-3.05	
			<i>For Work In Restricted Working Space, Add</i>	12.89	
22 11 16 00-0076	EA	1-1/2"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	72.38	32.34
			<i>For 300 LB Rating, Add</i>	84.24	
			<i>For ASTM 120, Deduct</i>	-3.59	
			<i>For Work In Restricted Working Space, Add</i>	14.54	
22 11 16 00-0077	EA	2"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	96.95	41.11
			<i>For 300 LB Rating, Add</i>	124.02	
			<i>For ASTM 120, Deduct</i>	-5.31	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0078	EA	2-1/2"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	214.25	60.82
			<i>For 300 LB Rating, Add</i>	424.14	
			<i>For ASTM 120, Deduct</i>	-18.47	
			<i>For Work In Restricted Working Space, Add</i>	27.33	
22 11 16 00-0079	EA	3"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	298.98	79.95
			<i>For 300 LB Rating, Add</i>	616.13	
			<i>For ASTM 120, Deduct</i>	-26.87	
			<i>For Work In Restricted Working Space, Add</i>	35.96	
22 11 16 00-0080	EA	4"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	425.40	83.45
			<i>For 300 LB Rating, Add</i>	1,028.39	
			<i>For ASTM 120, Deduct</i>	-45.04	
			<i>For Work In Restricted Working Space, Add</i>	37.54	
22 11 16 00-0081	EA	5"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,343.86	87.10
			<i>For 300 LB Rating, Add</i>	4,132.99	
			<i>For ASTM 120, Deduct</i>	-181.99	
			<i>For Work In Restricted Working Space, Add</i>	39.17	
22 11 16 00-0082	EA	6"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,599.46	91.07
			<i>For 300 LB Rating, Add</i>	4,982.19	
			<i>For ASTM 120, Deduct</i>	-219.44	
			<i>For Work In Restricted Working Space, Add</i>	40.96	
22 11 16 00-0083	EA	8"	150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,905.09	95.16
			<i>For 300 LB Rating, Add</i>	6,000.79	
			<i>For ASTM 120, Deduct</i>	-264.36	
			<i>For Work In Restricted Working Space, Add</i>	42.80	
22 11 16 00-0084			Galvanized Malleable Iron Tees <small>(22 11 16 00-0013)</small>		
22 11 16 00-0085	EA	1/2"	150 LB, Galvanized Malleable Iron Tee	44.53	25.28
			<i>For 300 LB Rating, Add</i>	24.62	
			<i>For ASTM 120, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	11.39	
22 11 16 00-0086	EA	3/4"	150 LB, Galvanized Malleable Iron Tee	54.63	29.27
			<i>For 300 LB Rating, Add</i>	39.45	
			<i>For ASTM 120, Deduct</i>	-1.62	
			<i>For Work In Restricted Working Space, Add</i>	13.14	
22 11 16 00-0087	EA	1"	150 LB, Galvanized Malleable Iron Tee	69.27	34.50
			<i>For 300 LB Rating, Add</i>	62.64	
			<i>For ASTM 120, Deduct</i>	-2.63	
			<i>For Work In Restricted Working Space, Add</i>	15.53	
22 11 16 00-0088	EA	1-1/4"	150 LB, Galvanized Malleable Iron Tee	89.36	41.11
			<i>For 300 LB Rating, Add</i>	98.21	
			<i>For ASTM 120, Deduct</i>	-4.17	
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0089	EA	1-1/2"	150 LB, Galvanized Malleable Iron Tee	108.03	48.97
			<i>For 300 LB Rating, Add</i>	121.88	
			<i>For ASTM 120, Deduct</i>	-5.18	
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 11 16 00-0090	EA	2"	150 LB, Galvanized Malleable Iron Tee	147.27	60.82
			<i>For 300 LB Rating, Add</i>	196.41	
			<i>For ASTM 120, Deduct</i>	-8.42	
			<i>For Work In Restricted Working Space, Add</i>	27.33	
22 11 16 00-0091	EA	2-1/2"	150 LB, Galvanized Malleable Iron Tee	257.14	66.06
			<i>For 300 LB Rating, Add</i>	543.52	
			<i>For ASTM 120, Deduct</i>	-23.72	
			<i>For Work In Restricted Working Space, Add</i>	29.71	
22 11 16 00-0092	EA	3"	150 LB, Galvanized Malleable Iron Tee	305.29	79.95
			<i>For 300 LB Rating, Add</i>	637.59	
			<i>For ASTM 120, Deduct</i>	-27.81	
			<i>For Work In Restricted Working Space, Add</i>	35.96	
22 11 16 00-0093	EA	4"	150 LB, Galvanized Malleable Iron Tee	596.71	105.44
			<i>For 300 LB Rating, Add</i>	1,500.83	
			<i>For ASTM 120, Deduct</i>	-65.79	
			<i>For Work In Restricted Working Space, Add</i>	47.42	
22 11 16 00-0094	EA	5"	150 LB, Galvanized Malleable Iron Tee	1,566.49	125.18
			<i>For 300 LB Rating, Add</i>	4,699.08	
			<i>For ASTM 120, Deduct</i>	-206.82	
			<i>For Work In Restricted Working Space, Add</i>	56.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,778.38 5,329.96 -234.58 64.36	143.09
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,115.59 6,333.12 -278.72 77.24	169.91
22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)					
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.23 54.20 -2.29 11.39	25.28
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	58.86 53.83 -2.26 13.14	29.27
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	72.92 75.05 -3.17 15.53	34.50
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	94.37 115.25 -4.92 18.47	41.11
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	114.00 142.18 -6.08 22.04	48.97
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	150.28 206.64 -8.88 27.33	60.82
22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	308.31 716.46 -31.35 29.80	66.28
22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	392.80 928.77 -40.65 36.53	81.20
22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	943.73 2,680.69 -117.85 47.42	105.44
22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,009.45 6,205.15 -273.26 56.32	125.18
22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,281.45 7,040.40 -310.04 64.36	143.09
22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,738.89 8,488.21 -373.83 74.01	164.31
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)					
22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	41.00 37.96 -1.59 9.11	20.27
22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	46.25 43.69 -1.84 10.20	22.66
22 11 16 00-0113	EA		1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	58.03 70.52 -3.01 11.39	25.28
22 11 16 00-0114	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	71.28 98.83 -4.25 12.89	28.70
22 11 16 00-0115	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	80.63 112.29 -4.83 14.54	32.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0116 EA 2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	108.60 163.63 -7.06 18.47	41.11
22 11 16 00-0117 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	235.10 495.03 -21.60 27.33	60.82
22 11 16 00-0118 EA 3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	312.33 661.52 -28.87 35.96	79.95
22 11 16 00-0119 EA 4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	533.86 1,397.16 -61.31 37.54	83.45
22 11 16 00-0120 EA 5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,281.46 3,920.83 -172.63 39.17	87.10
22 11 16 00-0121 EA 6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,447.68 4,466.14 -196.67 40.96	91.07
22 11 16 00-0122 EA 8", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,722.89 5,381.31 -237.03 42.80	95.16
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0124 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.26 45.65 -1.93 9.11	20.27
22 11 16 00-0125 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.78 48.89 -2.07 10.20	22.66
22 11 16 00-0126 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.94 80.41 -3.45 11.39	25.28
22 11 16 00-0127 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	72.67 103.56 -4.46 12.89	28.70
22 11 16 00-0128 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	86.77 133.16 -5.75 14.54	32.34
22 11 16 00-0129 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	113.81 181.34 -7.84 18.47	41.11
22 11 16 00-0130 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	236.92 501.22 -21.87 27.33	60.82
22 11 16 00-0131 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	306.87 642.96 -28.05 35.96	79.95
22 11 16 00-0132 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	544.39 1,432.96 -62.89 37.54	83.45
22 11 16 00-0133 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,342.04 4,126.80 -181.72 39.17	87.10
22 11 16 00-0134 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,516.68 4,700.74 -207.02 40.96	91.07
22 11 16 00-0135 EA 8", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,806.68 5,666.19 -249.60 42.80	95.16

22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0137	EA			1/2", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.91 9.93 -0.40 4.27	9.46
22 11 16 00-0138	EA			3/4", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.88 13.46 -0.55 4.56	10.13
22 11 16 00-0139	EA			1", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.10 16.62 -0.69 5.26	11.73
22 11 16 00-0140	EA			1-1/4", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.39 21.57 -0.90 5.51	12.30
22 11 16 00-0141	EA			1-1/2", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.01 20.28 -0.85 5.51	12.30
22 11 16 00-0142	EA			2", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.56 42.51 -1.81 7.35	16.29
22 11 16 00-0143	EA			2-1/2", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.47 93.96 -4.07 9.11	20.27
22 11 16 00-0144	EA			3", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	75.31 133.34 -5.79 11.02	24.48
22 11 16 00-0145	EA			4", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	115.02 247.78 -10.82 12.87	28.64
22 11 16 00-0146	EA			5", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	293.03 817.18 -35.91 16.09	35.83
22 11 16 00-0147	EA			6", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	365.62 1,029.68 -45.26 19.17	42.58
22 11 16 00-0148	EA			8", 150 LB, Galvanized Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	462.35 1,333.75 -58.65 21.40	47.58
22 11 16 00-0149				Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)		
22 11 16 00-0150	EA			1/2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	59.91 11.39	25.28
22 11 16 00-0151	EA			3/4", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	69.03 13.14	29.27
22 11 16 00-0152	EA			1", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	84.80 15.53	34.50
22 11 16 00-0153	EA			1-1/4", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	109.32 18.47	41.11
22 11 16 00-0154	EA			1-1/2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	131.35 22.04	48.97
22 11 16 00-0155	EA			2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	157.64 27.33	60.82
22 11 16 00-0156	EA			2-1/2", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	365.60 40.35	89.63
22 11 16 00-0157	EA			3", 150 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	500.43 53.09	117.87
22 11 16 00-0158	EA			1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	82.60 11.39	25.28
22 11 16 00-0159	EA			3/4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	84.36 13.14	29.27
22 11 16 00-0160	EA			1", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	102.05 15.53	34.50
22 11 16 00-0161	EA			1-1/4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	137.71 18.47	41.11
22 11 16 00-0162	EA			1-1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	161.16 22.04	48.97
22 11 16 00-0163	EA			2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	214.93 27.33	60.82
22 11 16 00-0164	EA			2-1/2", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	460.22 40.35	89.63
22 11 16 00-0165	EA			3", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	676.72 53.09	117.87
22 11 16 00-0166	EA			4", 250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	968.66 55.42	123.15

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0167	EA		1/2", 300 LB, Galvanized Malleable Iron Union	88.83	25.28
			<i>For Work In Restricted Working Space, Add</i>	11.39	
22 11 16 00-0168	EA		3/4", 300 LB, Galvanized Malleable Iron Union	98.96	29.27
			<i>For Work In Restricted Working Space, Add</i>	13.14	
22 11 16 00-0169	EA		1", 300 LB, Galvanized Malleable Iron Union.....	124.94	34.50
			<i>For Work In Restricted Working Space, Add</i>	15.53	
22 11 16 00-0170	EA		1-1/4", 300 LB, Galvanized Malleable Iron Union	163.59	41.11
			<i>For Work In Restricted Working Space, Add</i>	18.47	
22 11 16 00-0171	EA		1-1/2", 300 LB, Galvanized Malleable Iron Union	196.34	48.97
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 11 16 00-0172	EA		2", 300 LB, Galvanized Malleable Iron Union.....	238.58	60.82
			<i>For Work In Restricted Working Space, Add</i>	27.33	
22 11 16 00-0173	EA		2-1/2", 300 LB, Galvanized Malleable Iron Union	545.85	89.63
			<i>For Work In Restricted Working Space, Add</i>	40.35	
22 11 16 00-0174	EA		3", 300 LB, Galvanized Malleable Iron Union.....	872.67	117.87
			<i>For Work In Restricted Working Space, Add</i>	53.09	
22 11 16 00-0175	EA		4", 300 LB, Galvanized Malleable Iron Union.....	1,929.57	123.15
			<i>For Work In Restricted Working Space, Add</i>	55.42	
22 11 16 00-0176			Galvanized Steel Nipples (22 11 16 00-0013)		
			Note: ASTM A-53.		
22 11 16 00-0177	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple.....	19.09	10.82
			<i>For Schedule 80 Nipples, Add</i>	3.21	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0178	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	18.55	10.82
			<i>For Schedule 80 Nipples, Add</i>	2.60	
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0179	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple.....	19.04	10.82
			<i>For Schedule 80 Nipples, Add</i>	3.16	
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0180	EA		1" x Close, Schedule 40 Galvanized Steel Nipple.....	21.32	11.73
			<i>For Schedule 80 Nipples, Add</i>	4.33	
			<i>For ASTM 120, Deduct</i>	-0.57	
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 11 16 00-0181	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	24.08	12.64
			<i>For Schedule 80 Nipples, Add</i>	5.80	
			<i>For ASTM 120, Deduct</i>	-0.76	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0182	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	24.96	12.64
			<i>For Schedule 80 Nipples, Add</i>	6.81	
			<i>For ASTM 120, Deduct</i>	-0.90	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0183	EA		2" x Close, Schedule 40 Galvanized Steel Nipple.....	32.91	16.29
			<i>For Schedule 80 Nipples, Add</i>	9.60	
			<i>For ASTM 120, Deduct</i>	-1.26	
			<i>For Work In Restricted Working Space, Add</i>	7.35	
22 11 16 00-0184	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	55.44	20.27
			<i>For Schedule 80 Nipples, Add</i>	28.58	
			<i>For ASTM 120, Deduct</i>	-3.76	
			<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0185	EA		3" x Close, Schedule 40 Galvanized Steel Nipple.....	66.78	24.48
			<i>For Schedule 80 Nipples, Add</i>	34.25	
			<i>For ASTM 120, Deduct</i>	-4.51	
			<i>For Work In Restricted Working Space, Add</i>	11.02	
22 11 16 00-0186	EA		4" x Close, Schedule 40 Galvanized Steel Nipple.....	87.93	28.64
			<i>For Schedule 80 Nipples, Add</i>	51.33	
			<i>For ASTM 120, Deduct</i>	-6.75	
			<i>For Work In Restricted Working Space, Add</i>	12.87	
22 11 16 00-0187	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.50	10.82
			<i>For Schedule 80 Nipples, Add</i>	3.68	
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0188	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.67	10.82
			<i>For Schedule 80 Nipples, Add</i>	2.74	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.28	10.82
			<i>For Schedule 80 Nipples, Add</i>	3.43	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	19.50	10.82
			<i>For Schedule 80 Nipples, Add</i>	3.68	
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	18.67	10.82
			<i>For Schedule 80 Nipples, Add</i>	2.74	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	19.28	10.82
			<i>For Schedule 80 Nipples, Add</i>	3.43	
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.00 5.11 -0.67 5.26	11.73
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.45 6.22 -0.82 5.70	12.64
22 11 16 00-0195	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.41 7.32 -0.96 5.70	12.64
22 11 16 00-0196	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.58 4.91 -0.65 4.88	10.82
22 11 16 00-0197	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.09 3.21 -0.42 4.88	10.82
22 11 16 00-0198	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.60 3.80 -0.50 4.88	10.82
22 11 16 00-0199	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.37 5.53 -0.73 5.26	11.73
22 11 16 00-0200	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.99 6.84 -0.90 5.70	12.64
22 11 16 00-0201	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.14 8.15 -1.07 5.70	12.64
22 11 16 00-0202	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.97 10.81 -1.42 7.35	16.29
22 11 16 00-0203	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.58 4.91 -0.65 4.88	10.82
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.09 3.21 -0.42 4.88	10.82
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.60 3.80 -0.50 4.88	10.82
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.37 5.53 -0.73 5.26	11.73
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.99 6.84 -0.90 5.70	12.64
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.14 8.15 -1.07 5.70	12.64
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.97 10.81 -1.42 7.35	16.29
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.40 29.67 -3.90 9.11	20.27
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.92 38.97 -5.13 11.02	24.48
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.39 5.84 -0.77 4.88	10.82
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.75 3.97 -0.52 4.88	10.82

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22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.58 4.91 -0.65 4.88	10.82
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.35 6.65 -0.87 5.26	11.73
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.14 8.15 -1.07 5.70	12.64
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.03 10.31 -1.36 5.70	12.64
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.00 13.12 -1.73 7.35	16.29
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.59 34.45 -4.53 9.11	20.27
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	76.85 45.73 -6.02 11.02	24.48
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.39 5.84 -0.77 4.88	10.82
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.75 3.97 -0.52 4.88	10.82
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.39 5.84 -0.77 4.88	10.82
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.35 6.65 -0.87 5.26	11.73
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.14 8.15 -1.07 5.70	12.64
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.03 10.31 -1.36 5.70	12.64
22 11 16 00-0227	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.10 13.24 -1.74 7.35	16.29
22 11 16 00-0228	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.59 34.45 -4.53 9.11	20.27
22 11 16 00-0229	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	76.85 45.73 -6.02 11.02	24.48
22 11 16 00-0230	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	96.74 61.38 -8.08 12.87	28.64
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.32 8.04 -1.06 4.88	10.82
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.46 4.78 -0.63 4.88	10.82
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.41 5.86 -0.77 4.88	10.82
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.67 8.15 -1.07 5.26	11.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.83	12.64
			<i>For Schedule 80 Nipples, Add</i>	10.08	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	29.91	12.64
			<i>For Schedule 80 Nipples, Add</i>	12.45	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	39.18	16.29
			<i>For Schedule 80 Nipples, Add</i>	16.75	
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	7.35	
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	64.06	20.27
			<i>For Schedule 80 Nipples, Add</i>	38.41	
			<i>For ASTM 120, Deduct</i>	-5.05	
			<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	83.48	24.48
			<i>For Schedule 80 Nipples, Add</i>	53.28	
			<i>For ASTM 120, Deduct</i>	-7.01	
			<i>For Work In Restricted Working Space, Add</i>	11.02	
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	103.28	28.64
			<i>For Schedule 80 Nipples, Add</i>	68.83	
			<i>For ASTM 120, Deduct</i>	-9.06	
			<i>For Work In Restricted Working Space, Add</i>	12.87	
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	23.32	10.82
			<i>For Schedule 80 Nipples, Add</i>	8.04	
			<i>For ASTM 120, Deduct</i>	-1.06	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	20.46	10.82
			<i>For Schedule 80 Nipples, Add</i>	4.78	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	21.41	10.82
			<i>For Schedule 80 Nipples, Add</i>	5.86	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.67	11.73
			<i>For Schedule 80 Nipples, Add</i>	8.15	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	27.83	12.64
			<i>For Schedule 80 Nipples, Add</i>	10.08	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	29.91	12.64
			<i>For Schedule 80 Nipples, Add</i>	12.45	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple	39.18	16.29
			<i>For Schedule 80 Nipples, Add</i>	16.75	
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	7.35	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	64.06	20.27
			<i>For Schedule 80 Nipples, Add</i>	38.41	
			<i>For ASTM 120, Deduct</i>	-5.05	
			<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple	83.48	24.48
			<i>For Schedule 80 Nipples, Add</i>	53.28	
			<i>For ASTM 120, Deduct</i>	-7.01	
			<i>For Work In Restricted Working Space, Add</i>	11.02	
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple	103.28	28.64
			<i>For Schedule 80 Nipples, Add</i>	68.83	
			<i>For ASTM 120, Deduct</i>	-9.06	
			<i>For Work In Restricted Working Space, Add</i>	12.87	
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	24.11	10.82
			<i>For Schedule 80 Nipples, Add</i>	8.94	
			<i>For ASTM 120, Deduct</i>	-1.18	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	21.02	10.82
			<i>For Schedule 80 Nipples, Add</i>	5.42	
			<i>For ASTM 120, Deduct</i>	-0.71	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.44	10.82
			<i>For Schedule 80 Nipples, Add</i>	7.03	
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple	25.62	11.73
			<i>For Schedule 80 Nipples, Add</i>	9.23	
			<i>For ASTM 120, Deduct</i>	-1.22	
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.25	12.64
			<i>For Schedule 80 Nipples, Add</i>	11.70	
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	5.70	

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22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	31.28	12.64
			<i>For Schedule 80 Nipples, Add</i>	14.01	
			<i>For ASTM 120, Deduct</i>	-1.84	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple	41.56	16.29
			<i>For Schedule 80 Nipples, Add</i>	19.46	
			<i>For ASTM 120, Deduct</i>	-2.56	
			<i>For Work In Restricted Working Space, Add</i>	7.35	
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	67.39	20.27
			<i>For Schedule 80 Nipples, Add</i>	42.20	
			<i>For ASTM 120, Deduct</i>	-5.55	
			<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0259	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple	86.18	24.48
			<i>For Schedule 80 Nipples, Add</i>	56.36	
			<i>For ASTM 120, Deduct</i>	-7.42	
			<i>For Work In Restricted Working Space, Add</i>	11.02	
22 11 16 00-0260	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple	109.65	28.64
			<i>For Schedule 80 Nipples, Add</i>	76.10	
			<i>For ASTM 120, Deduct</i>	-10.01	
			<i>For Work In Restricted Working Space, Add</i>	12.87	
22 11 16 00-0261	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	47.59	10.82
			<i>For Schedule 80 Nipples, Add</i>	35.70	
			<i>For ASTM 120, Deduct</i>	-4.70	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0262	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	24.64	10.82
			<i>For Schedule 80 Nipples, Add</i>	9.54	
			<i>For ASTM 120, Deduct</i>	-1.26	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0263	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	26.97	10.82
			<i>For Schedule 80 Nipples, Add</i>	12.20	
			<i>For ASTM 120, Deduct</i>	-1.61	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0264	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple	31.08	11.73
			<i>For Schedule 80 Nipples, Add</i>	15.46	
			<i>For ASTM 120, Deduct</i>	-2.03	
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 11 16 00-0265	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	35.62	12.64
			<i>For Schedule 80 Nipples, Add</i>	18.96	
			<i>For ASTM 120, Deduct</i>	-2.49	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0266	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	38.06	12.64
			<i>For Schedule 80 Nipples, Add</i>	21.74	
			<i>For ASTM 120, Deduct</i>	-2.86	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0267	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple	52.31	16.29
			<i>For Schedule 80 Nipples, Add</i>	31.71	
			<i>For ASTM 120, Deduct</i>	-4.17	
			<i>For Work In Restricted Working Space, Add</i>	7.35	
22 11 16 00-0268	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	78.02	20.27
			<i>For Schedule 80 Nipples, Add</i>	54.32	
			<i>For ASTM 120, Deduct</i>	-7.15	
			<i>For Work In Restricted Working Space, Add</i>	9.11	
22 11 16 00-0269	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple	103.34	24.48
			<i>For Schedule 80 Nipples, Add</i>	75.92	
			<i>For ASTM 120, Deduct</i>	-9.99	
			<i>For Work In Restricted Working Space, Add</i>	11.02	
22 11 16 00-0270	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple	122.55	28.64
			<i>For Schedule 80 Nipples, Add</i>	90.80	
			<i>For ASTM 120, Deduct</i>	-11.95	
			<i>For Work In Restricted Working Space, Add</i>	12.87	
22 11 16 00-0271	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	31.21	10.82
			<i>For Schedule 80 Nipples, Add</i>	17.03	
			<i>For ASTM 120, Deduct</i>	-2.24	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0272	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	26.21	10.82
			<i>For Schedule 80 Nipples, Add</i>	11.33	
			<i>For ASTM 120, Deduct</i>	-1.49	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0273	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	28.15	10.82
			<i>For Schedule 80 Nipples, Add</i>	13.54	
			<i>For ASTM 120, Deduct</i>	-1.78	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-0274	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple	33.02	11.73
			<i>For Schedule 80 Nipples, Add</i>	17.67	
			<i>For ASTM 120, Deduct</i>	-2.33	
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 11 16 00-0275	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	38.87	12.64
			<i>For Schedule 80 Nipples, Add</i>	22.66	
			<i>For ASTM 120, Deduct</i>	-2.98	
			<i>For Work In Restricted Working Space, Add</i>	5.70	
22 11 16 00-0276	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	41.22	12.64
			<i>For Schedule 80 Nipples, Add</i>	25.34	
			<i>For ASTM 120, Deduct</i>	-3.33	
			<i>For Work In Restricted Working Space, Add</i>	5.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0277	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.03 37.10 -4.88 7.35	16.29
22 11 16 00-0278	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	84.68 61.91 -8.15 9.11	20.27
22 11 16 00-0279	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	112.72 86.62 -11.40 11.02	24.48
22 11 16 00-0280	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	135.21 105.23 -13.85 12.87	28.64
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.82 18.87 -2.48 4.88	10.82
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.58 12.89 -1.70 4.88	10.82
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.59 15.18 -2.00 4.88	10.82
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	35.57 20.58 -2.71 5.26	11.73
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.86 27.21 -3.58 5.70	12.64
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.43 29.00 -3.82 5.70	12.64
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	61.83 42.57 -5.60 7.35	16.29
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	91.14 69.28 -9.12 9.11	20.27
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	122.17 97.39 -12.81 11.02	24.48
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	147.99 119.80 -15.76 12.87	28.64
22 11 16 00-0291			Galvanized Steel Dielectric Nipples With Polyethylene Liner (22 11 16 00-0013) See CSI section 22 11 16 00-0837 for dielectric unions.		
22 11 16 00-0292	EA		1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	18.67 4.89	10.82
22 11 16 00-0293	EA		1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	19.03 4.89	10.82
22 11 16 00-0294	EA		3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	19.36 4.89	10.82
22 11 16 00-0295	EA		3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	20.56 4.89	10.82
22 11 16 00-0296	EA		3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	21.80 4.89	10.82
22 11 16 00-0297	EA		3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	22.55 4.89	10.82
22 11 16 00-0298	EA		1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	22.11 5.26	11.73
22 11 16 00-0299	EA		1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	22.50 5.26	11.73
22 11 16 00-0300	EA		1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	28.51 5.26	11.73
22 11 16 00-0301	EA		1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	30.88 5.71	12.64
22 11 16 00-0302	EA		1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	34.19 5.71	12.64
22 11 16 00-0303	EA		2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple..... <i>For Work In Restricted Working Space, Add</i>	45.58 7.34	16.29

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0304	EA		2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	54.41	20.27
			<i>For Work In Restricted Working Space, Add</i>	9.12	
22 11 16 00-0305	EA		3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple.....	85.14	24.48
			<i>For Work In Restricted Working Space, Add</i>	11.04	
22 11 16 00-0306			Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0307	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	19.02	8.08
			<i>For 300 LB Rating, Add</i>	24.09	
			<i>For Work In Restricted Working Space, Add</i>	3.65	
22 11 16 00-0308	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	20.47	9.11
			<i>For 300 LB Rating, Add</i>	24.17	
			<i>For Work In Restricted Working Space, Add</i>	4.08	
22 11 16 00-0309	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	22.72	10.13
			<i>For 300 LB Rating, Add</i>	26.55	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
22 11 16 00-0310	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	28.78	11.50
			<i>For 300 LB Rating, Add</i>	40.44	
			<i>For Work In Restricted Working Space, Add</i>	5.16	
22 11 16 00-0311	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	34.99	12.87
			<i>For 300 LB Rating, Add</i>	54.24	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0312	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	44.47	16.40
			<i>For 300 LB Rating, Add</i>	68.97	
			<i>For Work In Restricted Working Space, Add</i>	7.39	
22 11 16 00-0313	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	75.16	24.26
			<i>For 300 LB Rating, Add</i>	133.83	
			<i>For Work In Restricted Working Space, Add</i>	10.93	
22 11 16 00-0314	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	102.89	32.00
			<i>For 300 LB Rating, Add</i>	189.67	
			<i>For Work In Restricted Working Space, Add</i>	14.39	
22 11 16 00-0315	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	164.12	33.36
			<i>For 300 LB Rating, Add</i>	390.81	
			<i>For Work In Restricted Working Space, Add</i>	15.02	
22 11 16 00-0316	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	261.51	34.86
			<i>For 300 LB Rating, Add</i>	714.65	
			<i>For Work In Restricted Working Space, Add</i>	15.67	
22 11 16 00-0317	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug.....	280.84	36.37
			<i>For 300 LB Rating, Add</i>	772.46	
			<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0318			Galvanized Malleable Iron Bushing (22 11 16 00-0013)		
22 11 16 00-0319	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	44.45	21.41
			<i>For Work In Restricted Working Space, Add</i>	9.65	
22 11 16 00-0320	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	48.84	22.77
			<i>For Work In Restricted Working Space, Add</i>	10.25	
22 11 16 00-0321	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	49.89	24.03
			<i>For Work In Restricted Working Space, Add</i>	10.79	
22 11 16 00-0322	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	57.23	24.48
			<i>For Work In Restricted Working Space, Add</i>	11.00	
22 11 16 00-0323	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	57.19	25.62
			<i>For Work In Restricted Working Space, Add</i>	11.55	
22 11 16 00-0324	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	59.17	26.99
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 11 16 00-0325	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	66.59	26.31
			<i>For Work In Restricted Working Space, Add</i>	11.83	
22 11 16 00-0326	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	68.39	27.44
			<i>For Work In Restricted Working Space, Add</i>	12.37	
22 11 16 00-0327	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	67.70	28.82
			<i>For Work In Restricted Working Space, Add</i>	12.96	
22 11 16 00-0328	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	68.32	30.52
			<i>For Work In Restricted Working Space, Add</i>	13.71	
22 11 16 00-0329	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	79.89	30.63
			<i>For Work In Restricted Working Space, Add</i>	13.79	
22 11 16 00-0330	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	79.34	31.89
			<i>For Work In Restricted Working Space, Add</i>	14.33	
22 11 16 00-0331	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	79.61	33.14
			<i>For Work In Restricted Working Space, Add</i>	14.93	
22 11 16 00-0332	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	82.12	34.85
			<i>For Work In Restricted Working Space, Add</i>	15.68	
22 11 16 00-0333	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	81.19	36.67
			<i>For Work In Restricted Working Space, Add</i>	16.50	
22 11 16 00-0334	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	111.65	41.68
			<i>For Work In Restricted Working Space, Add</i>	18.77	
22 11 16 00-0335	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	113.64	43.05
			<i>For Work In Restricted Working Space, Add</i>	19.36	
22 11 16 00-0336	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	116.15	44.64
			<i>For Work In Restricted Working Space, Add</i>	20.12	
22 11 16 00-0337	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	117.98	46.58
			<i>For Work In Restricted Working Space, Add</i>	20.94	
22 11 16 00-0338	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	119.03	50.90
			<i>For Work In Restricted Working Space, Add</i>	22.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0339 EA 3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	141.75	51.25
For Work In Restricted Working Space, Add	23.08	
22 11 16 00-0340 EA 3" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	143.73	52.61
For Work In Restricted Working Space, Add	23.68	
22 11 16 00-0341 EA 3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	146.24	54.33
For Work In Restricted Working Space, Add	24.43	
22 11 16 00-0342 EA 3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	147.72	56.15
For Work In Restricted Working Space, Add	25.25	
22 11 16 00-0343 EA 3" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	148.33	60.47
For Work In Restricted Working Space, Add	27.22	
22 11 16 00-0344 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	166.45	70.38
For Work In Restricted Working Space, Add	31.65	
22 11 16 00-0345 EA 4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	214.42	52.35
For Work In Restricted Working Space, Add	23.57	
22 11 16 00-0346 EA 4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	216.29	53.63
For Work In Restricted Working Space, Add	24.14	
22 11 16 00-0347 EA 4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	218.65	55.24
For Work In Restricted Working Space, Add	24.84	
22 11 16 00-0348 EA 4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	221.23	56.96
For Work In Restricted Working Space, Add	25.62	
22 11 16 00-0349 EA 4" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	211.41	61.04
For Work In Restricted Working Space, Add	27.47	
22 11 16 00-0350 EA 4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	241.32	70.37
For Work In Restricted Working Space, Add	31.64	
22 11 16 00-0351 EA 4" x 3", 150 LB, Galvanized Malleable Iron Bushing.....	245.90	79.37
For Work In Restricted Working Space, Add	35.71	
22 11 16 00-0352 Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)		
Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0353 EA 1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	70.27	41.62
22 11 16 00-0354 EA 3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	76.81	45.56
22 11 16 00-0355 EA 1", 150 LB, Galvanized Malleable Iron Floor Flange.....	88.22	51.48
22 11 16 00-0356 EA 1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	91.69	53.30
22 11 16 00-0357 EA 1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	99.79	57.97
22 11 16 00-0358 EA 2", 150 LB, Galvanized Malleable Iron Floor Flange.....	107.48	60.47
22 11 16 00-0359 Galvanized Cast Iron Flanges (22 11 16 00-0013)		
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0360 EA 3/4", 125 LB, Galvanized Cast Iron Flange.....	134.45	45.56
For Work In Restricted Working Space, Add	20.50	
22 11 16 00-0361 EA 1", 125 LB, Galvanized Cast Iron Flange.....	128.40	51.48
For Work In Restricted Working Space, Add	23.16	
22 11 16 00-0362 EA 1-1/4", 125 LB, Galvanized Cast Iron Flange.....	106.97	53.30
For Work In Restricted Working Space, Add	23.97	
22 11 16 00-0363 EA 1-1/2", 125 LB, Galvanized Cast Iron Flange.....	126.89	57.97
For Work In Restricted Working Space, Add	26.08	
22 11 16 00-0364 EA 2", 125 LB, Galvanized Cast Iron Flange.....	143.61	60.47
For Work In Restricted Working Space, Add	27.22	
22 11 16 00-0365 EA 2-1/2", 125 LB, Galvanized Cast Iron Flange.....	166.81	70.04
For Work In Restricted Working Space, Add	31.49	
22 11 16 00-0366 EA 3", 125 LB, Galvanized Cast Iron Flange.....	300.23	88.83
For Work In Restricted Working Space, Add	39.95	
22 11 16 00-0367 EA 4", 125 LB, Galvanized Cast Iron Flange.....	399.12	114.46
For Work In Restricted Working Space, Add	51.48	
22 11 16 00-0368 EA 5", 125 LB, Galvanized Cast Iron Flange.....	561.47	136.23
For Work In Restricted Working Space, Add	61.28	
22 11 16 00-0369 EA 6", 125 LB, Galvanized Cast Iron Flange.....	616.45	156.50
For Work In Restricted Working Space, Add	70.40	
22 11 16 00-0370 EA 8", 125 LB, Galvanized Cast Iron Flange.....	566.68	178.87
For Work In Restricted Working Space, Add	80.45	
22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0372 EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	37.10	
For Work In Restricted Working Space, Add	11.13	
22 11 16 00-0373 EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	40.80	
For Work In Restricted Working Space, Add	12.24	
22 11 16 00-0374 EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	44.52	
For Work In Restricted Working Space, Add	13.36	
22 11 16 00-0375 EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	48.22	
For Work In Restricted Working Space, Add	14.47	
22 11 16 00-0376 EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	50.70	
For Work In Restricted Working Space, Add	15.21	
22 11 16 00-0377 EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	53.17	
For Work In Restricted Working Space, Add	15.95	
22 11 16 00-0378 EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	55.64	
For Work In Restricted Working Space, Add	16.69	
22 11 16 00-0379 EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	58.12	
For Work In Restricted Working Space, Add	17.44	
22 11 16 00-0380 EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	60.59	
For Work In Restricted Working Space, Add	18.18	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0381	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	65.53 19.66	
	22 11 16 00-0382	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	70.48 21.14	
22 11 16 00-0383			Copper Pipe And Fittings <small>(22 11 16)</small> Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.		
22 11 16 00-0384			Copper Tube/Pipe <small>(22 11 16 00-0383)</small> Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0385			Hard Drawn Type L Copper Tube/Pipe <small>(22 11 16 00-0384)</small>		
	22 11 16 00-0386	LF	1/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.97 0.14 0.64 -0.18 1.25	2.79
	22 11 16 00-0387	LF	3/8" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.97 0.21 0.76 -0.26 1.30	2.90
	22 11 16 00-0388	LF	1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.66 0.25 0.84 -0.31 1.36	3.02
	22 11 16 00-0389	LF	3/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.90 0.41 1.12 -0.51 1.44	3.20
	22 11 16 00-0390	LF	1" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.77 0.59 1.46 -0.74 1.62	3.59
	22 11 16 00-0391	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.17 0.81 2.07 -1.02 2.41	5.35
	22 11 16 00-0392	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.01 1.04 2.53 -1.31 2.69	5.98
	22 11 16 00-0393	LF	2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.72 1.65 3.69 -2.07 3.32	7.37
	22 11 16 00-0394	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	55.88 2.39 6.33 -2.98 7.81	8.67
	22 11 16 00-0395	LF	3" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.42 3.18 8.04 -3.98 9.18	10.21
	22 11 16 00-0396	LF	4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	105.51 5.68 12.32 -7.10 10.37	11.53
	22 11 16 00-0397	LF	5" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	165.02 10.03 19.64 -12.53 11.91	13.24
	22 11 16 00-0398	LF	6" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	226.38 13.19 26.76 -16.49 18.45	20.51
	22 11 16 00-0399	LF	8" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For >200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	379.10 24.86 45.68 -31.07 20.51	22.80
	22 11 16 00-0400		Hard Drawn Type K Copper Tube/Pipe <small>(22 11 16 00-0384)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0401	LF		1/4" Hard Drawn Type K Copper Tube/Pipe.....	6.50	2.99
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.16	
				<i>For Up To 20, Add</i>	0.70	
				<i>For >200, Deduct</i>	-0.20	
				<i>For Work In Restricted Working Space, Add</i>	1.34	
	22 11 16 00-0402	LF		3/8" Hard Drawn Type K Copper Tube/Pipe.....	8.76	3.12
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.29	
				<i>For Up To 20, Add</i>	0.97	
				<i>For >200, Deduct</i>	-0.36	
				<i>For Work In Restricted Working Space, Add</i>	1.54	
	22 11 16 00-0403	LF		1/2" Hard Drawn Type K Copper Tube/Pipe.....	9.26	3.24
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.34	
				<i>For Up To 20, Add</i>	1.03	
				<i>For >200, Deduct</i>	-0.43	
				<i>For Work In Restricted Working Space, Add</i>	1.50	
	22 11 16 00-0404	LF		3/4" Hard Drawn Type K Copper Tube/Pipe.....	13.47	3.43
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.61	
				<i>For Up To 20, Add</i>	1.54	
				<i>For >200, Deduct</i>	-0.77	
				<i>For Work In Restricted Working Space, Add</i>	1.74	
	22 11 16 00-0405	LF		1" Hard Drawn Type K Copper Tube/Pipe.....	16.36	3.87
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.82	
				<i>For Up To 20, Add</i>	1.89	
				<i>For >200, Deduct</i>	-1.02	
				<i>For Work In Restricted Working Space, Add</i>	1.85	
	22 11 16 00-0406	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	21.42	5.75
				<i>For Medical/Oxygen Service Tubing, Add</i>	1.02	
				<i>For Up To 20, Add</i>	2.46	
				<i>For >200, Deduct</i>	-1.27	
				<i>For Work In Restricted Working Space, Add</i>	2.62	
	22 11 16 00-0407	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	26.09	6.42
				<i>For Medical/Oxygen Service Tubing, Add</i>	1.30	
				<i>For Up To 20, Add</i>	3.02	
				<i>For >200, Deduct</i>	-1.63	
				<i>For Work In Restricted Working Space, Add</i>	2.94	
	22 11 16 00-0408	LF		2" Hard Drawn Type K Copper Tube/Pipe.....	37.03	7.93
				<i>For Medical/Oxygen Service Tubing, Add</i>	2.00	
				<i>For Up To 20, Add</i>	4.33	
				<i>For >200, Deduct</i>	-2.50	
				<i>For Work In Restricted Working Space, Add</i>	3.61	
	22 11 16 00-0409	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	63.43	9.32
				<i>For Medical/Oxygen Service Tubing, Add</i>	2.98	
				<i>For Up To 20, Add</i>	7.28	
				<i>For >200, Deduct</i>	-3.73	
				<i>For Work In Restricted Working Space, Add</i>	7.85	
	22 11 16 00-0410	LF		3" Hard Drawn Type K Copper Tube/Pipe.....	84.65	10.98
				<i>For Medical/Oxygen Service Tubing, Add</i>	4.08	
				<i>For Up To 20, Add</i>	9.74	
				<i>For >200, Deduct</i>	-5.10	
				<i>For Work In Restricted Working Space, Add</i>	10.11	
	22 11 16 00-0411	LF		4" Hard Drawn Type K Copper Tube/Pipe.....	129.00	12.39
				<i>For Medical/Oxygen Service Tubing, Add</i>	7.27	
				<i>For Up To 20, Add</i>	15.17	
				<i>For >200, Deduct</i>	-9.08	
				<i>For Work In Restricted Working Space, Add</i>	11.45	
	22 11 16 00-0412	LF		5" Hard Drawn Type K Copper Tube/Pipe.....	211.48	14.23
				<i>For Medical/Oxygen Service Tubing, Add</i>	13.31	
				<i>For Up To 20, Add</i>	25.31	
				<i>For >200, Deduct</i>	-16.64	
				<i>For Work In Restricted Working Space, Add</i>	13.52	
	22 11 16 00-0413	LF		6" Hard Drawn Type K Copper Tube/Pipe.....	311.44	22.05
				<i>For Medical/Oxygen Service Tubing, Add</i>	19.10	
				<i>For Up To 20, Add</i>	37.11	
				<i>For >200, Deduct</i>	-23.88	
				<i>For Work In Restricted Working Space, Add</i>	21.80	
	22 11 16 00-0414	LF		8" Hard Drawn Type K Copper Tube/Pipe.....	527.18	24.51
				<i>For Medical/Oxygen Service Tubing, Add</i>	35.77	
				<i>For Up To 20, Add</i>	63.90	
				<i>For >200, Deduct</i>	-44.71	
				<i>For Work In Restricted Working Space, Add</i>	24.02	
	22 11 16 00-0415			Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0384)		
	22 11 16 00-0416	LF		3/8" Hard Drawn Type M Copper Tube/Pipe.....	5.82	2.61
				<i>For Up To 20, Add</i>	0.63	
				<i>For >200, Deduct</i>	-0.21	
				<i>For Work In Restricted Working Space, Add</i>	1.13	
	22 11 16 00-0417	LF		1/2" Hard Drawn Type M Copper Tube/Pipe.....	6.20	2.72
				<i>For Up To 20, Add</i>	0.68	
				<i>For >200, Deduct</i>	-0.23	
				<i>For Work In Restricted Working Space, Add</i>	1.17	
	22 11 16 00-0418	LF		3/4" Hard Drawn Type M Copper Tube/Pipe.....	7.86	2.88
				<i>For Up To 20, Add</i>	0.88	
				<i>For >200, Deduct</i>	-0.37	
				<i>For Work In Restricted Working Space, Add</i>	1.24	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0419	LF		1" Hard Drawn Type M Copper Tube/Pipe	10.36	3.24
			<i>For Up To 20, Add</i>	1.18	
			<i>For >200, Deduct</i>	-0.58	
			<i>For Work In Restricted Working Space, Add</i>	1.38	
22 11 16 00-0420	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe	15.49	4.83
			<i>For Up To 20, Add</i>	1.76	
			<i>For >200, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	2.13	
22 11 16 00-0421	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe	19.72	5.38
			<i>For Up To 20, Add</i>	2.26	
			<i>For >200, Deduct</i>	-1.16	
			<i>For Work In Restricted Working Space, Add</i>	2.45	
22 11 16 00-0422	LF		2" Hard Drawn Type M Copper Tube/Pipe	28.31	6.62
			<i>For Up To 20, Add</i>	3.29	
			<i>For >200, Deduct</i>	-1.82	
			<i>For Work In Restricted Working Space, Add</i>	3.04	
22 11 16 00-0423	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe	50.97	7.80
			<i>For Up To 20, Add</i>	5.76	
			<i>For >200, Deduct</i>	-2.64	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
22 11 16 00-0424	LF		3" Hard Drawn Type M Copper Tube/Pipe	62.71	9.19
			<i>For Up To 20, Add</i>	7.15	
			<i>For >200, Deduct</i>	-3.51	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
22 11 16 00-0425	LF		4" Hard Drawn Type M Copper Tube/Pipe	97.92	10.38
			<i>For Up To 20, Add</i>	11.43	
			<i>For >200, Deduct</i>	-6.57	
			<i>For Work In Restricted Working Space, Add</i>	9.67	
22 11 16 00-0426	LF		5" Hard Drawn Type M Copper Tube/Pipe	164.72	11.91
			<i>For Up To 20, Add</i>	19.66	
			<i>For >200, Deduct</i>	-12.75	
			<i>For Work In Restricted Working Space, Add</i>	11.16	
22 11 16 00-0427	LF		6" Hard Drawn Type M Copper Tube/Pipe	227.99	18.46
			<i>For Up To 20, Add</i>	27.06	
			<i>For >200, Deduct</i>	-17.04	
			<i>For Work In Restricted Working Space, Add</i>	17.29	
22 11 16 00-0428	LF		8" Hard Drawn Type M Copper Tube/Pipe	386.24	20.52
			<i>For Up To 20, Add</i>	46.69	
			<i>For >200, Deduct</i>	-32.28	
			<i>For Work In Restricted Working Space, Add</i>	19.02	
22 11 16 00-0429			Soft Drawn Type L Copper Tube (22 11 16 00-0384)		
22 11 16 00-0430	LF		1/4" Soft Drawn Type L Copper Tube	6.47	2.79
			<i>For Up To 20, Add</i>	0.70	
			<i>For >200, Deduct</i>	-0.23	
			<i>For Work In Restricted Working Space, Add</i>	1.25	
22 11 16 00-0431	LF		3/8" Soft Drawn Type L Copper Tube	7.94	2.90
			<i>For Up To 20, Add</i>	0.88	
			<i>For >200, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
22 11 16 00-0432	LF		1/2" Soft Drawn Type L Copper Tube	9.36	3.02
			<i>For Up To 20, Add</i>	1.06	
			<i>For >200, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
22 11 16 00-0433	LF		5/8" Soft Drawn Type L Copper Tube	10.86	3.12
			<i>For Up To 20, Add</i>	1.24	
			<i>For >200, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.40	
22 11 16 00-0434	LF		3/4" Soft Drawn Type L Copper Tube	12.20	3.20
			<i>For Up To 20, Add</i>	1.40	
			<i>For >200, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	1.44	
22 11 16 00-0435	LF		1" Soft Drawn Type L Copper Tube	15.64	3.59
			<i>For Up To 20, Add</i>	1.82	
			<i>For >200, Deduct</i>	-1.02	
			<i>For Work In Restricted Working Space, Add</i>	1.62	
22 11 16 00-0436	LF		1-1/4" Soft Drawn Type L Copper Tube	21.50	5.35
			<i>For Up To 20, Add</i>	2.49	
			<i>For >200, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.41	
22 11 16 00-0437	LF		1-1/2" Soft Drawn Type L Copper Tube	27.22	5.98
			<i>For Up To 20, Add</i>	3.18	
			<i>For >200, Deduct</i>	-1.83	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0438	LF		2" Soft Drawn Type L Copper Tube	40.10	7.37
			<i>For Up To 20, Add</i>	4.74	
			<i>For >200, Deduct</i>	-2.91	
			<i>For Work In Restricted Working Space, Add</i>	3.32	

22 11 16 00-0439 Soft Drawn Type K Copper Tube (22 11 16 00-0384)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0440 LF 1/4" Soft Drawn Type K Copper Tube.....	6.71	2.79
For Up To 20, Add	0.73	
For >200, Deduct	-0.26	
For Work In Restricted Working Space, Add	1.25	
22 11 16 00-0441 LF 3/8" Soft Drawn Type K Copper Tube.....	8.69	2.90
For Up To 20, Add	0.98	
For >200, Deduct	-0.44	
For Work In Restricted Working Space, Add	1.30	
22 11 16 00-0442 LF 1/2" Soft Drawn Type K Copper Tube.....	9.98	3.02
For Up To 20, Add	1.13	
For >200, Deduct	-0.55	
For Work In Restricted Working Space, Add	1.36	
22 11 16 00-0443 LF 5/8" Soft Drawn Type K Copper Tube.....	11.16	3.12
For Up To 20, Add	1.28	
For >200, Deduct	-0.65	
For Work In Restricted Working Space, Add	1.40	
22 11 16 00-0444 LF 3/4" Soft Drawn Type K Copper Tube.....	14.90	3.20
For Up To 20, Add	1.74	
For >200, Deduct	-1.01	
For Work In Restricted Working Space, Add	1.44	
22 11 16 00-0445 LF 1" Soft Drawn Type K Copper Tube.....	18.79	3.59
For Up To 20, Add	2.21	
For >200, Deduct	-1.34	
For Work In Restricted Working Space, Add	1.62	
22 11 16 00-0446 LF 1-1/4" Soft Drawn Type K Copper Tube.....	23.80	5.35
For Up To 20, Add	2.77	
For >200, Deduct	-1.58	
For Work In Restricted Working Space, Add	2.41	
22 11 16 00-0447 LF 1-1/2" Soft Drawn Type K Copper Tube.....	30.88	5.98
For Up To 20, Add	3.64	
For >200, Deduct	-2.19	
For Work In Restricted Working Space, Add	2.69	
22 11 16 00-0448 LF 2" Soft Drawn Type K Copper Tube.....	45.14	7.37
For Up To 20, Add	5.37	
For >200, Deduct	-3.41	
For Work In Restricted Working Space, Add	3.32	
22 11 16 00-0449 LF 2-1/2" Soft Drawn Type K Copper Tube.....	64.38	8.83
For Up To 20, Add	7.72	
For >200, Deduct	-5.11	
For Work In Restricted Working Space, Add	3.98	
22 11 16 00-0450 LF 3" Soft Drawn Type K Copper Tube.....	86.77	10.43
For Up To 20, Add	10.46	
For >200, Deduct	-7.11	
For Work In Restricted Working Space, Add	4.69	
22 11 16 00-0451 Copper And Brass Fittings <small>(22 11 16 00-0383)</small>		
Note: All fittings are based on 95/5 solder.		
22 11 16 00-0452 90 Degree Copper Elbows <small>(22 11 16 00-0451)</small>		
22 11 16 00-0453 EA 1/4" 90 Degree Copper Elbow.....	29.53	16.50
For Silver Solder Instead Of 95/5 Solder, Add	3.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.71	
For Street Fitting, Add	1.92	
For Work In Restricted Working Space, Add	7.42	
22 11 16 00-0454 EA 3/8" 90 Degree Copper Elbow.....	34.76	19.78
For Silver Solder Instead Of 95/5 Solder, Add	4.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.22	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.45	
For Street Fitting, Add	2.03	
For Work In Restricted Working Space, Add	8.90	
22 11 16 00-0455 EA 1/2" 90 Degree Copper Elbow.....	42.45	27.20
For Silver Solder Instead Of 95/5 Solder, Add	6.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.12	
For Street Fitting, Add	0.66	
For Work In Restricted Working Space, Add	12.24	
22 11 16 00-0456 EA 3/4" 90 Degree Copper Elbow.....	54.40	33.89
For Silver Solder Instead Of 95/5 Solder, Add	7.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.61	
For Street Fitting, Add	1.48	
For Work In Restricted Working Space, Add	15.21	
22 11 16 00-0457 EA 1" 90 Degree Copper Elbow.....	69.65	40.44
For Silver Solder Instead Of 95/5 Solder, Add	9.54	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.09	
For Street Fitting, Add	3.62	
For Work In Restricted Working Space, Add	18.18	
22 11 16 00-0458 EA 1-1/4" 90 Degree Copper Elbow.....	79.08	43.77
For Silver Solder Instead Of 95/5 Solder, Add	10.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.83	
For Street Fitting, Add	5.42	
For Work In Restricted Working Space, Add	19.66	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0459	EA		1-1/2" 90 Degree Copper Elbow	92.90	47.85
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.82	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.76	
			<i>For Street Fitting, Add</i>	8.47	
			<i>For Work In Restricted Working Space, Add</i>	21.52	
22 11 16 00-0460	EA		2" 90 Degree Copper Elbow	118.97	53.67
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.06	
			<i>For Street Fitting, Add</i>	15.44	
			<i>For Work In Restricted Working Space, Add</i>	24.11	
22 11 16 00-0461	EA		2-1/2" 90 Degree Copper Elbow	173.04	54.66
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.85	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	24.60	
22 11 16 00-0462	EA		3" 90 Degree Copper Elbow	226.34	65.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.69	
			<i>For Work In Restricted Working Space, Add</i>	29.39	
22 11 16 00-0463	EA		4" 90 Degree Copper Elbow	450.46	92.70
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	36.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-29.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.84	
			<i>For Work In Restricted Working Space, Add</i>	41.68	
22 11 16 00-0464	EA		5" 90 Degree Copper Elbow	1,495.23	126.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	93.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-84.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	28.53	
			<i>For Work In Restricted Working Space, Add</i>	57.06	
22 11 16 00-0465	EA		6" 90 Degree Copper Elbow	2,016.45	184.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	128.50	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-114.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	41.51	
			<i>For Work In Restricted Working Space, Add</i>	83.02	
22 11 16 00-0466	EA		8" 90 Degree Copper Elbow	6,805.04	246.11
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	377.15	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-358.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	55.35	
			<i>For Work In Restricted Working Space, Add</i>	110.70	
22 11 16 00-0467			90 Degree Brass Elbows (22 11 16 00-0451)		
22 11 16 00-0468	EA		1/2" Drop Ear 90 Degree Brass Elbow.....	51.14	27.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0469	EA		3/4" Drop Ear 90 Degree Brass Elbow.....	80.84	33.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.58	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0470	EA		1/2" Flanged Sink 90 Degree Brass Elbow	59.64	27.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.06	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0471	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	45.14	19.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.45	
			<i>For Work In Restricted Working Space, Add</i>	8.90	
22 11 16 00-0472	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	51.87	27.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.67	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.63	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0473	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	70.18	33.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0474	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	122.79	40.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.20	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.17	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.09	
			<i>For Work In Restricted Working Space, Add</i>	18.18	

22 11 16 00-0475 Reducing 90 Degree Copper Elbows (22 11 16 00-0451)



	Plumbing	22
	Plumbing Piping	22 10
	Facility Water Distribution	22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0476	EA		1/2" Reducing 90 Degree Copper Elbow	54.15	27.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0477	EA		3/4" Reducing 90 Degree Copper Elbow	60.17	33.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0478	EA		1" Reducing 90 Degree Copper Elbow	77.97	40.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.93	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.09	
			<i>For Work In Restricted Working Space, Add</i>	18.18	
22 11 16 00-0479	EA		1-1/4" Reducing 90 Degree Copper Elbow	109.81	43.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.04	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.83	
			<i>For Work In Restricted Working Space, Add</i>	19.66	
22 11 16 00-0480	EA		1-1/2" Reducing 90 Degree Copper Elbow	129.90	47.85
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.67	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.76	
			<i>For Work In Restricted Working Space, Add</i>	21.52	
22 11 16 00-0481	EA		2" Reducing 90 Degree Copper Elbow	158.67	53.67
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.97	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.95	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.06	
			<i>For Work In Restricted Working Space, Add</i>	24.11	
22 11 16 00-0482			45 Degree Copper Elbows (22 11 16 00-0481)		
22 11 16 00-0483	EA		1/4" 45 Degree Copper Elbow	33.69	16.50
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.16	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.71	
			<i>For Street Fitting, Add</i>	3.58	
			<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0484	EA		3/8" 45 Degree Copper Elbow	37.36	19.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.45	
			<i>For Street Fitting, Add</i>	3.07	
			<i>For Work In Restricted Working Space, Add</i>	8.90	
22 11 16 00-0485	EA		1/2" 45 Degree Copper Elbow	43.82	27.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.27	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
			<i>For Street Fitting, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0486	EA		3/4" 45 Degree Copper Elbow	55.87	33.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.86	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Street Fitting, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0487	EA		1" 45 Degree Copper Elbow	73.49	40.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.73	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.09	
			<i>For Street Fitting, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	18.18	
22 11 16 00-0488	EA		1-1/4" 45 Degree Copper Elbow	83.01	43.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.70	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.83	
			<i>For Street Fitting, Add</i>	6.99	
			<i>For Work In Restricted Working Space, Add</i>	19.66	
22 11 16 00-0489	EA		1-1/2" 45 Degree Copper Elbow	93.17	47.85
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.83	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.24	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.76	
			<i>For Street Fitting, Add</i>	8.58	
			<i>For Work In Restricted Working Space, Add</i>	21.52	
22 11 16 00-0490	EA		2" 45 Degree Copper Elbow	116.14	53.67
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.06	
			<i>For Work In Restricted Working Space, Add</i>	24.11	
22 11 16 00-0491	EA		2-1/2" 45 Degree Copper Elbow	171.94	54.66
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.80	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	24.60	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0492	EA		3" 45 Degree Copper Elbow	231.40	65.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.37	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.69	
			<i>For Work In Restricted Working Space, Add</i>	29.39	
22 11 16 00-0493	EA		4" 45 Degree Copper Elbow	423.50	92.70
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-28.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.84	
			<i>For Work In Restricted Working Space, Add</i>	41.68	
22 11 16 00-0494	EA		5" 45 Degree Copper Elbow	1,292.25	126.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	83.63	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-74.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	28.53	
			<i>For Work In Restricted Working Space, Add</i>	57.06	
22 11 16 00-0495	EA		6" 45 Degree Copper Elbow	2,013.48	184.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	128.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-114.51	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	41.51	
			<i>For Work In Restricted Working Space, Add</i>	83.02	
22 11 16 00-0496	EA		8" 45 Degree Copper Elbow	6,270.36	246.11
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	350.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-331.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	55.35	
			<i>For Work In Restricted Working Space, Add</i>	110.70	
22 11 16 00-0497			Straight Copper And Brass Tees (22 11 16 00-0451)		
22 11 16 00-0498	EA		1/4" Straight Copper Tee	47.16	24.73
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.57	
			<i>For Work In Restricted Working Space, Add</i>	11.13	
22 11 16 00-0499	EA		3/8" Straight Copper Tee	52.62	29.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.08	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.86	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.68	
			<i>For Work In Restricted Working Space, Add</i>	13.36	
22 11 16 00-0500	EA		1/2" Straight Copper Tee	64.66	41.30
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.27	
			<i>For Work In Restricted Working Space, Add</i>	18.55	
22 11 16 00-0501	EA		3/4" Straight Copper Tee	83.44	51.19
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.01	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.50	
			<i>For Work In Restricted Working Space, Add</i>	23.00	
22 11 16 00-0502	EA		1" Straight Copper Tee	111.85	61.09
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.74	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.17	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.73	
			<i>For Work In Restricted Working Space, Add</i>	27.45	
22 11 16 00-0503	EA		1-1/4" Straight Copper Tee	127.28	66.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.31	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.84	
			<i>For Work In Restricted Working Space, Add</i>	29.68	
22 11 16 00-0504	EA		1-1/2" Straight Copper Tee	150.47	71.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.28	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.14	
			<i>For Work In Restricted Working Space, Add</i>	32.27	
22 11 16 00-0505	EA		2" Straight Copper Tee	189.37	80.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.53	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.18	
			<i>For Work In Restricted Working Space, Add</i>	36.35	
22 11 16 00-0506	EA		2-1/2" Straight Copper Tee	285.27	82.00
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.56	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.41	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.45	
			<i>For Work In Restricted Working Space, Add</i>	36.90	
22 11 16 00-0507	EA		3" Straight Copper Tee	395.98	98.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	34.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-27.20	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.21	
			<i>For Work In Restricted Working Space, Add</i>	44.42	
22 11 16 00-0508	EA		4" Straight Copper Tee	807.31	138.26
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	61.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-50.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	31.09	
			<i>For Work In Restricted Working Space, Add</i>	62.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0509	EA		5" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,245.09 140.61 -126.43 42.54 85.07	189.16
	22 11 16 00-0510	EA		6" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,097.04 196.42 -175.64 62.35 124.70	277.31
	22 11 16 00-0511	EA		8" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,896.72 600.19 -572.51 83.02 166.05	369.23
	22 11 16 00-0512	EA		1/2" Cast Bronze Drop Ear Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.25 10.14 -7.05 9.27 18.55	41.30
	22 11 16 00-0513			Reducing Copper Tees (22 11 16 00-0451)		
	22 11 16 00-0514	EA		3/8" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.58 6.74 -4.76 5.94 11.87	26.34
	22 11 16 00-0515	EA		1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.73 9.05 -6.27 8.35 16.69	37.10
	22 11 16 00-0516	EA		3/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.90 11.12 -7.53 10.76 21.52	47.85
	22 11 16 00-0517	EA		1" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.38 14.13 -9.80 12.98 25.97	57.74
	22 11 16 00-0518	EA		1-1/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.59 15.83 -11.13 14.10 28.19	62.69
	22 11 16 00-0519	EA		1-1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.58 17.84 -12.71 15.40 30.79	68.51
	22 11 16 00-0520	EA		2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.75 20.79 -15.04 17.25 34.50	76.67
	22 11 16 00-0521	EA		2-1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	296.21 26.65 -20.73 17.77 35.53	79.03
	22 11 16 00-0522	EA		3" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	428.59 35.10 -28.26 20.50 41.00	91.11
	22 11 16 00-0523	EA		4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	783.11 56.01 -47.58 25.28 50.57	112.41
	22 11 16 00-0524			Copper Couplings (22 11 16 00-0451)		
	22 11 16 00-0525	EA		1/4" Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.69 3.76 -2.52 3.71 7.42	16.50
	22 11 16 00-0526	EA		3/8" Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.96 4.52 -3.03 4.45 8.90	19.78



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0527	EA	1/2" Copper Coupling.....	41.85	27.20
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.17	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.13	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.12	
		<i>For Work In Restricted Working Space, Add</i>	12.24	
22 11 16 00-0528	EA	3/4" Copper Coupling.....	52.85	33.89
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.71	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.18	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
		<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0529	EA	1" Copper Coupling.....	64.84	40.44
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.30	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.27	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.09	
		<i>For Work In Restricted Working Space, Add</i>	18.18	
22 11 16 00-0530	EA	1-1/4" Copper Coupling.....	73.04	43.77
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.21	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.93	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.83	
		<i>For Work In Restricted Working Space, Add</i>	19.66	
22 11 16 00-0531	EA	1-1/2" Copper Coupling.....	81.64	47.85
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.25	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.67	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.76	
		<i>For Work In Restricted Working Space, Add</i>	21.52	
22 11 16 00-0532	EA	2" Copper Coupling.....	96.88	53.17
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.88	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.86	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.06	
		<i>For Work In Restricted Working Space, Add</i>	24.11	
22 11 16 00-0533	EA	2-1/2" Copper Coupling.....	118.27	51.70
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.66	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.79	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.62	
		<i>For Work In Restricted Working Space, Add</i>	23.24	
22 11 16 00-0534	EA	3" Copper Coupling.....	148.95	62.63
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.79	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.12	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.01	
		<i>For Work In Restricted Working Space, Add</i>	28.02	
22 11 16 00-0535	EA	4" Copper Coupling.....	247.68	84.28
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	24.91	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.65	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.79	
		<i>For Work In Restricted Working Space, Add</i>	37.58	
22 11 16 00-0536	EA	5" Copper Coupling.....	425.91	153.75
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	38.38	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-29.84	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	25.62	
		<i>For Work In Restricted Working Space, Add</i>	51.25	
22 11 16 00-0537	EA	6" Copper Coupling.....	672.09	167.07
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	58.66	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-46.13	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	37.58	
		<i>For Work In Restricted Working Space, Add</i>	75.17	
22 11 16 00-0538	EA	8" Copper Coupling.....	1,698.97	221.51
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	118.20	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-101.58	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	49.88	
		<i>For Work In Restricted Working Space, Add</i>	99.77	
22 11 16 00-0539		Reducing Copper Couplings (22 11 16 00-0451)		
22 11 16 00-0540	EA	3/8" Reducing Copper Coupling.....	26.83	16.45
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.81	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.58	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.71	
		<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0541	EA	1/2" Reducing Copper Coupling.....	37.44	23.50
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.40	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.63	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.29	
		<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0542	EA	3/4" Reducing Copper Coupling.....	49.55	30.54
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.05	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.77	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.86	
		<i>For Work In Restricted Working Space, Add</i>	13.73	
22 11 16 00-0543	EA	1" Reducing Copper Coupling.....	62.50	37.10
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.69	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.91	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.35	
		<i>For Work In Restricted Working Space, Add</i>	16.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0544	EA		1-1/4" Reducing Copper Coupling	72.63	42.04
			For Silver Solder Instead Of 95/5 Solder, Add	9.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.79	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.46	
			For Work In Restricted Working Space, Add	18.92	
22 11 16 00-0545	EA		1-1/2" Reducing Copper Coupling	84.45	45.75
			For Silver Solder Instead Of 95/5 Solder, Add	11.09	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.65	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.29	
			For Work In Restricted Working Space, Add	20.59	
22 11 16 00-0546	EA		2" Reducing Copper Coupling	100.52	50.70
			For Silver Solder Instead Of 95/5 Solder, Add	12.63	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.41	
			For Work In Restricted Working Space, Add	22.82	
22 11 16 00-0547	EA		2-1/2" Reducing Copper Coupling	138.57	52.05
			For Silver Solder Instead Of 95/5 Solder, Add	14.73	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.70	
			For Work In Restricted Working Space, Add	23.40	
22 11 16 00-0548	EA		3" Reducing Copper Coupling	164.84	60.36
			For Silver Solder Instead Of 95/5 Solder, Add	17.24	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.74	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.50	
			For Work In Restricted Working Space, Add	26.99	
22 11 16 00-0549	EA		4" Reducing Copper Coupling	267.07	79.03
			For Silver Solder Instead Of 95/5 Solder, Add	25.20	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.28	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.77	
			For Work In Restricted Working Space, Add	35.53	
22 11 16 00-0550	EA		5" Reducing Copper Coupling	746.37	110.13
			For Silver Solder Instead Of 95/5 Solder, Add	53.83	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-45.58	
			For Brazed Fittings Instead Of 95/5 Solder, Add	24.77	
			For Work In Restricted Working Space, Add	49.54	
22 11 16 00-0551	EA		6" Reducing Copper Coupling	1,122.14	148.05
			For Silver Solder Instead Of 95/5 Solder, Add	78.32	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-67.21	
			For Brazed Fittings Instead Of 95/5 Solder, Add	33.31	
			For Work In Restricted Working Space, Add	66.62	
22 11 16 00-0552	EA		8" Reducing Copper Coupling	2,231.47	215.74
			For Silver Solder Instead Of 95/5 Solder, Add	143.92	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-127.75	
			For Brazed Fittings Instead Of 95/5 Solder, Add	48.51	
			For Work In Restricted Working Space, Add	97.03	
22 11 16 00-0553			Male Copper Adapters (22 11 16 00-0451)		
22 11 16 00-0554	EA		1/4" Male Copper Adapter	41.70	16.07
			For Silver Solder Instead Of 95/5 Solder, Add	4.56	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.32	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.71	
			For Work In Restricted Working Space, Add	7.42	
22 11 16 00-0555	EA		3/8" Male Copper Adapter	38.14	19.78
			For Silver Solder Instead Of 95/5 Solder, Add	4.88	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.45	
			For Work In Restricted Working Space, Add	8.90	
22 11 16 00-0556	EA		1/2" Male Copper Adapter	40.53	24.73
			For Silver Solder Instead Of 95/5 Solder, Add	5.74	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.88	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.57	
			For Work In Restricted Working Space, Add	11.13	
22 11 16 00-0557	EA		3/4" Male Copper Adapter	51.56	30.92
			For Silver Solder Instead Of 95/5 Solder, Add	7.15	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.87	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.86	
			For Work In Restricted Working Space, Add	13.73	
22 11 16 00-0558	EA		1" Male Copper Adapter	67.94	35.85
			For Silver Solder Instead Of 95/5 Solder, Add	8.71	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
			For Work In Restricted Working Space, Add	15.95	
22 11 16 00-0559	EA		1-1/4" Male Copper Adapter	83.32	40.80
			For Silver Solder Instead Of 95/5 Solder, Add	10.35	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.26	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.27	
			For Work In Restricted Working Space, Add	18.55	
22 11 16 00-0560	EA		1-1/2" Male Copper Adapter	95.64	46.99
			For Silver Solder Instead Of 95/5 Solder, Add	11.83	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.31	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.57	
			For Work In Restricted Working Space, Add	21.15	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0561	EA	2" Male Copper Adapter	132.85	59.98
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.67	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.16	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.54	
		<i>For Work In Restricted Working Space, Add</i>	27.08	
22 11 16 00-0562	EA	2-1/2" Male Copper Adapter	279.12	77.90
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.58	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-19.77	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	17.44	
		<i>For Work In Restricted Working Space, Add</i>	34.87	
22 11 16 00-0563	EA	3" Male Copper Adapter	370.52	103.92
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	34.01	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-26.27	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	23.23	
		<i>For Work In Restricted Working Space, Add</i>	46.46	
22 11 16 00-0564	EA	4" Male Copper Adapter	563.51	145.78
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	50.04	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-39.11	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	32.80	
		<i>For Work In Restricted Working Space, Add</i>	65.60	
22 11 16 00-0565 Female Copper Adapters (22 11 16 00-0451)				
22 11 16 00-0566	EA	1/4" Female Copper Adapter	35.57	16.07
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.25	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.02	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.71	
		<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0567	EA	3/8" Female Copper Adapter	41.02	19.78
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.02	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.54	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.45	
		<i>For Work In Restricted Working Space, Add</i>	8.90	
22 11 16 00-0568	EA	1/2" Female Copper Adapter	42.59	24.73
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.84	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.98	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.57	
		<i>For Work In Restricted Working Space, Add</i>	11.13	
22 11 16 00-0569	EA	3/4" Female Copper Adapter	53.25	30.92
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.24	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.95	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.86	
		<i>For Work In Restricted Working Space, Add</i>	13.73	
22 11 16 00-0570	EA	1" Female Copper Adapter	70.32	35.85
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.83	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.17	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.98	
		<i>For Work In Restricted Working Space, Add</i>	15.95	
22 11 16 00-0571	EA	1-1/4" Female Copper Adapter	86.97	40.80
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.53	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.44	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.27	
		<i>For Work In Restricted Working Space, Add</i>	18.55	
22 11 16 00-0572	EA	1-1/2" Female Copper Adapter	109.87	46.99
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.54	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.02	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.57	
		<i>For Work In Restricted Working Space, Add</i>	21.15	
22 11 16 00-0573	EA	2" Female Copper Adapter	143.69	59.98
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.21	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.70	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.54	
		<i>For Work In Restricted Working Space, Add</i>	27.08	
22 11 16 00-0574	EA	2-1/2" Female Copper Adapter	336.88	71.75
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.55	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.20	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.06	
		<i>For Work In Restricted Working Space, Add</i>	32.12	
22 11 16 00-0575	EA	3" Female Copper Adapter	542.03	103.92
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	42.59	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-34.85	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	23.23	
		<i>For Work In Restricted Working Space, Add</i>	46.46	
22 11 16 00-0576 Wrot Copper, Solder Union (22 11 16 00-0451)				
22 11 16 00-0577	EA	1/4" Wrot Copper, Solder Union	42.48	19.78
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.09	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.61	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.45	
		<i>For Work In Restricted Working Space, Add</i>	8.90	
22 11 16 00-0578	EA	3/8" Wrot Copper, Solder Union	49.03	23.87
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.04	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.24	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.38	
		<i>For Work In Restricted Working Space, Add</i>	10.76	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Water Distribution	22 11

22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0579	EA		1/2" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.67 7.09 -4.86 6.68 13.36	29.68
22 11 16 00-0580	EA		3/4" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.72 8.11 -5.57 7.61 15.21	33.89
22 11 16 00-0581	EA		1" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.81 9.95 -6.92 9.09 18.18	40.44
22 11 16 00-0582	EA		1-1/4" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.71 11.26 -7.92 10.02 20.03	44.52
22 11 16 00-0583	EA		1-1/2" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.35 12.89 -9.18 11.13 22.26	49.47
22 11 16 00-0584	EA		2" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.97 16.35 -11.90 13.35 26.71	59.35
22 11 16 00-0585	EA		2-1/2" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.41 22.87 -17.97 14.69 29.39	65.37
22 11 16 00-0586	EA		3" Wrot Copper, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	561.92 41.99 -35.04 20.84 41.68	92.70
22 11 16 00-0587			Cast Bronze, Solder Union (22 11 16 00-0451)		
22 11 16 00-0588	EA		1/4" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.19 5.33 -3.84 4.45 8.90	19.78
22 11 16 00-0589	EA		3/8" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.49 6.26 -4.47 5.38 10.76	23.87
22 11 16 00-0590	EA		1/2" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.91 7.15 -4.92 6.68 13.36	29.68
22 11 16 00-0591	EA		3/4" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.47 8.19 -5.66 7.61 15.21	33.89
22 11 16 00-0592	EA		1" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.85 10.10 -7.07 9.09 18.18	40.44
22 11 16 00-0593	EA		1-1/4" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.02 11.68 -8.34 10.02 20.03	44.52
22 11 16 00-0594	EA		1-1/2" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.03 13.32 -9.61 11.13 22.26	49.47
22 11 16 00-0595	EA		2" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.74 17.09 -12.64 13.35 26.71	59.35

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0596	EA		2-1/2" Cast Bronze, Solder Union.....	261.40	65.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.87	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.69	
			<i>For Work In Restricted Working Space, Add</i>	29.39	
22 11 16 00-0597	EA		3" Cast Bronze, Solder Union.....	561.92	92.70
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	41.99	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-35.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.84	
			<i>For Work In Restricted Working Space, Add</i>	41.68	
22 11 16 00-0598			Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0451)		
22 11 16 00-0599	EA		1/4" Cast Bronze, Solder X Female Threaded Union.....	53.57	19.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.65	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.45	
			<i>For Work In Restricted Working Space, Add</i>	8.90	
22 11 16 00-0600	EA		3/8" Cast Bronze, Solder X Female Threaded Union.....	60.57	23.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.61	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.38	
			<i>For Work In Restricted Working Space, Add</i>	10.76	
22 11 16 00-0601	EA		1/2" Cast Bronze, Solder X Female Threaded Union.....	64.15	29.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.68	
			<i>For Work In Restricted Working Space, Add</i>	13.36	
22 11 16 00-0602	EA		3/4" Cast Bronze, Solder X Female Threaded Union.....	77.46	33.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.94	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.41	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0603	EA		1" Cast Bronze, Solder X Female Threaded Union.....	116.25	40.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.87	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.09	
			<i>For Work In Restricted Working Space, Add</i>	18.18	
22 11 16 00-0604	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union.....	170.50	44.52
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.20	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.86	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.02	
			<i>For Work In Restricted Working Space, Add</i>	20.03	
22 11 16 00-0605	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union.....	205.60	49.47
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.70	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.99	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.13	
			<i>For Work In Restricted Working Space, Add</i>	22.26	
22 11 16 00-0606	EA		2" Cast Bronze, Solder X Female Threaded Union.....	311.47	59.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	24.48	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.35	
			<i>For Work In Restricted Working Space, Add</i>	26.71	
22 11 16 00-0607	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union.....	519.62	65.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-30.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.69	
			<i>For Work In Restricted Working Space, Add</i>	29.39	
22 11 16 00-0608			Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0451)		
22 11 16 00-0609	EA		1/4" Cast Bronze, Solder X Male Threaded Union.....	47.88	19.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.36	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.45	
			<i>For Work In Restricted Working Space, Add</i>	8.90	
22 11 16 00-0610	EA		3/8" Cast Bronze, Solder X Male Threaded Union.....	57.09	23.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.44	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.65	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.38	
			<i>For Work In Restricted Working Space, Add</i>	10.76	
22 11 16 00-0611	EA		1/2" Cast Bronze, Solder X Male Threaded Union.....	60.02	29.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.45	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.68	
			<i>For Work In Restricted Working Space, Add</i>	13.36	
22 11 16 00-0612	EA		3/4" Cast Bronze, Solder X Male Threaded Union.....	73.96	33.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.61	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0613	EA		1" Cast Bronze, Solder X Male Threaded Union.....	117.85	40.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.09	
			<i>For Work In Restricted Working Space, Add</i>	18.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0614	EA			1-1/4" Cast Bronze, Solder X Male Threaded Union.....	137.80	44.52
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.57	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.23	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.02	
				<i>For Work In Restricted Working Space, Add</i>	20.03	
22 11 16 00-0615	EA			1-1/2" Cast Bronze, Solder X Male Threaded Union.....	148.80	49.47
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.86	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.15	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.13	
				<i>For Work In Restricted Working Space, Add</i>	22.26	
22 11 16 00-0616	EA			2" Cast Bronze, Solder X Male Threaded Union.....	203.63	59.35
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.08	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.63	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.35	
				<i>For Work In Restricted Working Space, Add</i>	26.71	
22 11 16 00-0617	EA			2-1/2" Cast Bronze, Solder X Male Threaded Union.....	433.79	65.37
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	31.48	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-26.59	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.69	
				<i>For Work In Restricted Working Space, Add</i>	29.39	
22 11 16 00-0618				Copper Caps (22 11 16 00-0451)		
22 11 16 00-0619	EA			1/4" Copper Cap	9.62	5.44
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.30	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.89	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.22	
				<i>For Work In Restricted Working Space, Add</i>	2.45	
22 11 16 00-0620	EA			3/8" Copper Cap	12.12	6.43
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.59	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.10	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.47	
				<i>For Work In Restricted Working Space, Add</i>	2.94	
22 11 16 00-0621	EA			1/2" Copper Cap	14.66	8.91
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.08	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.41	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.02	
				<i>For Work In Restricted Working Space, Add</i>	4.04	
22 11 16 00-0622	EA			3/4" Copper Cap	18.97	11.01
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.62	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.79	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.51	
				<i>For Work In Restricted Working Space, Add</i>	5.02	
22 11 16 00-0623	EA			1" Copper Cap	25.25	13.23
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.26	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.26	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.00	
				<i>For Work In Restricted Working Space, Add</i>	6.00	
22 11 16 00-0624	EA			1-1/4" Copper Cap	28.67	14.22
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.60	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.52	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.24	
				<i>For Work In Restricted Working Space, Add</i>	6.49	
22 11 16 00-0625	EA			1-1/2" Copper Cap	33.91	15.58
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.06	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.88	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.55	
				<i>For Work In Restricted Working Space, Add</i>	7.10	
22 11 16 00-0626	EA			2" Copper Cap	43.36	16.18
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.61	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.39	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
				<i>For Work In Restricted Working Space, Add</i>	7.33	
22 11 16 00-0627	EA			2-1/2" Copper Cap	96.91	18.90
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.72	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.28	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.31	
				<i>For Work In Restricted Working Space, Add</i>	8.61	
22 11 16 00-0628	EA			3" Copper Cap	134.43	24.26
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.39	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.56	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.51	
				<i>For Work In Restricted Working Space, Add</i>	11.02	
22 11 16 00-0629	EA			4" Copper Cap	239.97	36.67
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.56	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.78	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.34	
				<i>For Work In Restricted Working Space, Add</i>	16.67	
22 11 16 00-0630	EA			5" Cast Bronze Cap	1,381.71	56.49
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	77.64	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-73.37	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.84	
				<i>For Work In Restricted Working Space, Add</i>	25.68	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0631	EA		6" Cast Bronze Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,706.87 147.80 -141.57 18.68 37.36	82.23
22 11 16 00-0632	EA		8" Cast Bronze Cap <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,443.43 188.78 -180.47 24.91 49.82	109.56
22 11 16 00-0633 Copper Crosses (22 11 16 00-0451)					
22 11 16 00-0634	EA		1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.03 12.22 -8.46 11.27 22.55	50.12
22 11 16 00-0635	EA		3/4" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.06 15.84 -11.17 14.01 28.02	62.30
22 11 16 00-0636	EA		1" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.90 19.86 -14.28 16.74 33.48	74.36
22 11 16 00-0637	EA		1-1/4" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.25 22.58 -16.55 18.11 36.22	80.52
22 11 16 00-0638	EA		1-1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.71 26.20 -19.59 19.82 39.63	88.03
22 11 16 00-0639	EA		2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	389.12 34.26 -26.86 22.21 44.42	98.74
22 11 16 00-0640	EA		2-1/2" Copper Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	719.69 52.38 -44.18 24.60 49.20	109.33
22 11 16 00-0641 Cast Bronze Crosses (22 11 16 00-0451)					
22 11 16 00-0642	EA		3/8" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.81 9.46 -6.72 8.20 16.40	36.44
22 11 16 00-0643	EA		1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.80 12.41 -8.65 11.27 22.55	50.12
22 11 16 00-0644	EA		3/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.39 16.21 -11.54 14.01 28.02	62.30
22 11 16 00-0645	EA		1" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.34 20.48 -14.90 16.74 33.48	74.36
22 11 16 00-0646	EA		1-1/4" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.15 23.48 -17.44 18.11 36.22	80.52
22 11 16 00-0647	EA		1-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	285.23 27.47 -20.87 19.82 39.63	88.03
22 11 16 00-0648	EA		2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	495.98 39.60 -32.20 22.21 44.42	98.74



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 11 16 00-0649 EA 2-1/2" Cast Bronze Cross	830.83	109.33
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	57.94	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-49.74	
				<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.60	
				<i>For Work In Restricted Working Space, Add</i>	49.20	
				22 11 16 00-0650 Flexible Corrugated Copper Supply Line <small>(22 11 16 00-0451)</small>		
				22 11 16 00-0651 EA 3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	81.03	33.89
				22 11 16 00-0652 EA 3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	84.68	33.89
				22 11 16 00-0653 EA 3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	74.47	33.89
				22 11 16 00-0654 EA 3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	78.60	33.89
				22 11 16 00-0655 EA 3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	82.25	33.89
				22 11 16 00-0656 EA 3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	84.68	33.89
				22 11 16 00-0657 Crimped Copper Fittings <small>(22 11 16 00-0383)</small>		
				Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
				22 11 16 00-0658 Crimped Copper 90 Degree Elbows <small>(22 11 16 00-0657)</small>		
				22 11 16 00-0659 EA 1/2" Crimped Copper 90 Degree Elbow	28.26	14.84
				<i>For Work In Restricted Working Space, Add</i>	6.68	
				22 11 16 00-0660 EA 3/4" Crimped Copper 90 Degree Elbow	35.55	16.94
				<i>For Work In Restricted Working Space, Add</i>	7.61	
				22 11 16 00-0661 EA 1" Crimped Copper 90 Degree Elbow	50.71	20.15
				<i>For Work In Restricted Working Space, Add</i>	9.09	
				22 11 16 00-0662 EA 1-1/4" Crimped Copper 90 Degree Elbow	74.63	22.25
				<i>For Work In Restricted Working Space, Add</i>	10.02	
				22 11 16 00-0663 EA 1-1/2" Crimped Copper 90 Degree Elbow	115.18	24.73
				<i>For Work In Restricted Working Space, Add</i>	11.13	
				22 11 16 00-0664 EA 2" Crimped Copper 90 Degree Elbow	153.04	29.68
				<i>For Work In Restricted Working Space, Add</i>	13.36	
				22 11 16 00-0665 EA 2-1/2" Crimped Copper 90 Degree Elbow	367.15	34.62
				<i>For Work In Restricted Working Space, Add</i>	15.58	
				22 11 16 00-0666 EA 3" Crimped Copper 90 Degree Elbow	458.39	41.18
				<i>For Work In Restricted Working Space, Add</i>	18.55	
				22 11 16 00-0667 EA 4" Crimped Copper 90 Degree Elbow	572.25	54.40
				<i>For Work In Restricted Working Space, Add</i>	24.48	
				22 11 16 00-0668 Crimped Copper 45 Degree Elbows <small>(22 11 16 00-0657)</small>		
				22 11 16 00-0669 EA 1/2" Crimped Copper 45 Degree Elbow	29.26	14.84
				<i>For Work In Restricted Working Space, Add</i>	6.68	
				22 11 16 00-0670 EA 3/4" Crimped Copper 45 Degree Elbow	33.95	16.94
				<i>For Work In Restricted Working Space, Add</i>	7.61	
				22 11 16 00-0671 EA 1" Crimped Copper 45 Degree Elbow	57.93	20.15
				<i>For Work In Restricted Working Space, Add</i>	9.09	
				22 11 16 00-0672 EA 1-1/4" Crimped Copper 45 Degree Elbow	73.03	22.25
				<i>For Work In Restricted Working Space, Add</i>	10.02	
				22 11 16 00-0673 EA 1-1/2" Crimped Copper 45 Degree Elbow	101.37	24.73
				<i>For Work In Restricted Working Space, Add</i>	11.13	
				22 11 16 00-0674 EA 2" Crimped Copper 45 Degree Elbow	134.42	29.68
				<i>For Work In Restricted Working Space, Add</i>	13.36	
				22 11 16 00-0675 EA 2-1/2" Crimped Copper 45 Degree Elbow	260.16	34.62
				<i>For Work In Restricted Working Space, Add</i>	15.58	
				22 11 16 00-0676 EA 3" Crimped Copper 45 Degree Elbow	359.30	41.18
				<i>For Work In Restricted Working Space, Add</i>	18.55	
				22 11 16 00-0677 EA 4" Crimped Copper 45 Degree Elbow	494.75	54.40
				<i>For Work In Restricted Working Space, Add</i>	24.48	
				22 11 16 00-0678 Crimped Copper Straight Tees <small>(22 11 16 00-0657)</small>		
				22 11 16 00-0679 EA 1/2" Crimped Copper Straight Tee	42.59	22.25
				<i>For Work In Restricted Working Space, Add</i>	10.02	
				22 11 16 00-0680 EA 3/4" Crimped Copper Straight Tee	60.11	29.30
				<i>For Work In Restricted Working Space, Add</i>	13.17	
				22 11 16 00-0681 EA 1" Crimped Copper Straight Tee	78.07	32.52
				<i>For Work In Restricted Working Space, Add</i>	14.65	
				22 11 16 00-0682 EA 1-1/4" Crimped Copper Straight Tee	99.53	33.39
				<i>For Work In Restricted Working Space, Add</i>	15.02	
				22 11 16 00-0683 EA 1-1/2" Crimped Copper Straight Tee	152.98	37.96
				<i>For Work In Restricted Working Space, Add</i>	17.06	
				22 11 16 00-0684 EA 2" Crimped Copper Straight Tee	185.49	44.52
				<i>For Work In Restricted Working Space, Add</i>	20.03	
				22 11 16 00-0685 EA 2-1/2" Crimped Copper Straight Tee	467.34	51.94
				<i>For Work In Restricted Working Space, Add</i>	23.37	
				22 11 16 00-0686 EA 3" Crimped Copper Straight Tee	579.53	61.82
				<i>For Work In Restricted Working Space, Add</i>	27.82	
				22 11 16 00-0687 EA 4" Crimped Copper Straight Tee	805.47	81.61
				<i>For Work In Restricted Working Space, Add</i>	36.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0688 Crimped Copper Reducing Tees (22 11 16 00-0657)		
22 11 16 00-0689 EA 3/4" Crimped Copper Reducing Tee .....56.80	56.80	21.14
For Work In Restricted Working Space, Add	9.53	
22 11 16 00-0690 EA 1" Crimped Copper Reducing Tee .....86.12	86.12	27.82
For Work In Restricted Working Space, Add	12.50	
22 11 16 00-0691 EA 1-1/4" Crimped Copper Reducing Tee .....91.61	91.61	30.92
For Work In Restricted Working Space, Add	13.91	
22 11 16 00-0692 EA 1-1/2" Crimped Copper Reducing Tee .....132.91	132.91	31.78
For Work In Restricted Working Space, Add	14.28	
22 11 16 00-0693 EA 2" Crimped Copper Reducing Tee .....161.96	161.96	35.99
For Work In Restricted Working Space, Add	16.21	
22 11 16 00-0694 EA 2-1/2" Crimped Copper Reducing Tee .....519.30	519.30	40.80
For Work In Restricted Working Space, Add	18.55	
22 11 16 00-0695 EA 3" Crimped Copper Reducing Tee .....634.23	634.23	49.47
For Work In Restricted Working Space, Add	22.26	
22 11 16 00-0696 EA 4" Crimped Copper Reducing Tee .....736.09	736.09	65.90
For Work In Restricted Working Space, Add	29.68	
22 11 16 00-0697 Crimped Copper Couplings (22 11 16 00-0657)		
22 11 16 00-0698 EA 1/2" Crimped Copper Coupling .....27.66	27.66	14.84
For Work In Restricted Working Space, Add	6.68	
22 11 16 00-0699 EA 3/4" Crimped Copper Coupling .....33.56	33.56	16.94
For Work In Restricted Working Space, Add	7.61	
22 11 16 00-0700 EA 1" Crimped Copper Coupling .....46.89	46.89	20.15
For Work In Restricted Working Space, Add	9.09	
22 11 16 00-0701 EA 1-1/4" Crimped Copper Coupling .....54.02	54.02	22.25
For Work In Restricted Working Space, Add	10.02	
22 11 16 00-0702 EA 1-1/2" Crimped Copper Coupling .....75.54	75.54	24.73
For Work In Restricted Working Space, Add	11.13	
22 11 16 00-0703 EA 2" Crimped Copper Coupling .....93.58	93.58	29.68
For Work In Restricted Working Space, Add	13.36	
22 11 16 00-0704 EA 2-1/2" Crimped Copper Coupling .....208.93	208.93	34.62
For Work In Restricted Working Space, Add	15.58	
22 11 16 00-0705 EA 3" Crimped Copper Coupling .....261.75	261.75	41.18
For Work In Restricted Working Space, Add	18.55	
22 11 16 00-0706 EA 4" Crimped Copper Coupling .....359.23	359.23	54.40
For Work In Restricted Working Space, Add	24.48	
22 11 16 00-0707 Crimped Copper Reducing Couplings (22 11 16 00-0657)		
22 11 16 00-0708 EA 3/4" Crimped Copper Reducing Coupling .....45.77	45.77	14.10
For Work In Restricted Working Space, Add	6.34	
22 11 16 00-0709 EA 1" Crimped Copper Reducing Coupling .....52.35	52.35	16.07
For Work In Restricted Working Space, Add	7.23	
22 11 16 00-0710 EA 1-1/4" Crimped Copper Reducing Coupling .....69.86	69.86	19.16
For Work In Restricted Working Space, Add	8.64	
22 11 16 00-0711 EA 1-1/2" Crimped Copper Reducing Coupling .....92.24	92.24	21.14
For Work In Restricted Working Space, Add	9.53	
22 11 16 00-0712 EA 2" Crimped Copper Reducing Coupling .....103.31	103.31	23.50
For Work In Restricted Working Space, Add	10.57	
22 11 16 00-0713 EA 2-1/2" Crimped Copper FTG x C Reducing Coupling .....227.50	227.50	28.07
For Work In Restricted Working Space, Add	12.61	
22 11 16 00-0714 EA 3" Crimped Copper FTG x C Reducing Coupling .....286.02	286.02	33.02
For Work In Restricted Working Space, Add	14.84	
22 11 16 00-0715 EA 4" Crimped Copper FTG x C Reducing Coupling .....370.73	370.73	43.65
For Work In Restricted Working Space, Add	19.66	
22 11 16 00-0716 Crimped Copper Male Adapters (22 11 16 00-0657)		
22 11 16 00-0717 EA 1/2" Crimped Copper Male Adapter .....28.87	28.87	14.84
For Work In Restricted Working Space, Add	6.68	
22 11 16 00-0718 EA 3/4" Crimped Copper Male Adapter .....37.35	37.35	16.94
For Work In Restricted Working Space, Add	7.61	
22 11 16 00-0719 EA 1" Crimped Copper Male Adapter .....52.31	52.31	20.15
For Work In Restricted Working Space, Add	9.09	
22 11 16 00-0720 EA 1-1/4" Crimped Copper Male Adapter .....81.63	81.63	22.25
For Work In Restricted Working Space, Add	10.02	
22 11 16 00-0721 EA 1-1/2" Crimped Copper Male Adapter .....104.77	104.77	24.73
For Work In Restricted Working Space, Add	11.13	
22 11 16 00-0722 EA 2" Crimped Copper Male Adapter .....174.85	174.85	29.68
For Work In Restricted Working Space, Add	13.36	
22 11 16 00-0723 EA 2-1/2" Crimped Copper Male Adapter .....367.15	367.15	34.62
For Work In Restricted Working Space, Add	15.58	
22 11 16 00-0724 EA 3" Crimped Copper Male Adapter .....458.39	458.39	41.18
For Work In Restricted Working Space, Add	18.55	
22 11 16 00-0725 EA 4" Crimped Copper Male Adapter .....540.65	540.65	54.40
For Work In Restricted Working Space, Add	24.48	
22 11 16 00-0726 Crimped Copper Female Adapters (22 11 16 00-0657)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0727	EA		1/2" Crimped Copper Female Adapter.....	30.25	14.84
				<i>For Work In Restricted Working Space, Add</i>	6.68	
	22 11 16 00-0728	EA		3/4" Crimped Copper Female Adapter.....	38.37	16.94
				<i>For Work In Restricted Working Space, Add</i>	7.61	
	22 11 16 00-0729	EA		1" Crimped Copper Female Adapter.....	54.32	20.15
				<i>For Work In Restricted Working Space, Add</i>	9.09	
	22 11 16 00-0730	EA		1-1/4" Crimped Copper Female Adapter.....	87.65	22.25
				<i>For Work In Restricted Working Space, Add</i>	10.02	
	22 11 16 00-0731	EA		1-1/2" Crimped Copper Female Adapter.....	115.99	24.73
				<i>For Work In Restricted Working Space, Add</i>	11.13	
	22 11 16 00-0732	EA		2" Crimped Copper Female Adapter.....	178.46	29.68
				<i>For Work In Restricted Working Space, Add</i>	13.36	
	22 11 16 00-0733			Crimped Copper Caps <small>(22 11 16 00-0657)</small>		
	22 11 16 00-0734	EA		1/2" Crimped Copper Cap.....	22.74	7.42
				<i>For Work In Restricted Working Space, Add</i>	3.34	
	22 11 16 00-0735	EA		3/4" Crimped Copper Cap.....	32.59	8.65
				<i>For Work In Restricted Working Space, Add</i>	3.89	
	22 11 16 00-0736	EA		1" Crimped Copper Cap.....	45.07	9.90
				<i>For Work In Restricted Working Space, Add</i>	4.45	
	22 11 16 00-0737	EA		1-1/4" Crimped Copper Cap.....	50.92	11.13
				<i>For Work In Restricted Working Space, Add</i>	5.01	
	22 11 16 00-0738	EA		1-1/2" Crimped Copper Cap.....	72.22	12.73
				<i>For Work In Restricted Working Space, Add</i>	5.75	
	22 11 16 00-0739	EA		2" Crimped Copper Cap.....	86.71	14.84
				<i>For Work In Restricted Working Space, Add</i>	6.68	
	22 11 16 00-0740	EA		2-1/2" Crimped Copper Cap.....	232.07	17.32
				<i>For Work In Restricted Working Space, Add</i>	7.79	
	22 11 16 00-0741	EA		3" Crimped Copper Cap.....	291.77	20.65
				<i>For Work In Restricted Working Space, Add</i>	9.28	
	22 11 16 00-0742	EA		4" Crimped Copper Cap.....	388.39	27.20
				<i>For Work In Restricted Working Space, Add</i>	12.24	
	22 11 16 00-0743			C x F NPT Crimped Bronze Unions <small>(22 11 16 00-0657)</small>		
	22 11 16 00-0744	EA		1/2" C x F NPT Crimped Bronze Union.....	64.34	20.15
				<i>For Work In Restricted Working Space, Add</i>	9.09	
	22 11 16 00-0745	EA		3/4" C x F NPT Crimped Bronze Union.....	80.86	24.86
				<i>For Work In Restricted Working Space, Add</i>	11.17	
	22 11 16 00-0746	EA		1" C x F NPT Crimped Bronze Union.....	117.13	29.80
				<i>For Work In Restricted Working Space, Add</i>	13.39	
	22 11 16 00-0747	EA		1-1/4" C x F NPT Crimped Bronze Union.....	143.39	34.38
				<i>For Work In Restricted Working Space, Add</i>	15.51	
	22 11 16 00-0748	EA		1-1/2" C x F NPT Crimped Bronze Union.....	194.61	33.63
				<i>For Work In Restricted Working Space, Add</i>	15.14	
	22 11 16 00-0749	EA		2" C x F NPT Crimped Bronze Union.....	263.94	48.72
				<i>For Work In Restricted Working Space, Add</i>	21.89	
	22 11 16 00-0750			C x C Crimped Bronze Unions <small>(22 11 16 00-0657)</small>		
	22 11 16 00-0751	EA		1/2" C x C Bronze Crimped Union.....	64.69	14.84
				<i>For Work In Restricted Working Space, Add</i>	6.68	
	22 11 16 00-0752	EA		3/4" C x C Bronze Crimped Union.....	81.00	16.94
				<i>For Work In Restricted Working Space, Add</i>	7.61	
	22 11 16 00-0753	EA		1" C x C Bronze Crimped Union.....	119.17	20.15
				<i>For Work In Restricted Working Space, Add</i>	9.09	
	22 11 16 00-0754	EA		1-1/4" C x C Bronze Crimped Union.....	160.32	22.25
				<i>For Work In Restricted Working Space, Add</i>	10.02	
	22 11 16 00-0755	EA		1-1/2" C x C Bronze Crimped Union.....	209.47	24.73
				<i>For Work In Restricted Working Space, Add</i>	11.13	
	22 11 16 00-0756	EA		2" C x C Bronze Crimped Union.....	326.01	29.68
				<i>For Work In Restricted Working Space, Add</i>	13.36	
	22 11 16 00-0757			C x Flange Crimped Bronze Flange <small>(22 11 16 00-0657)</small>		
	22 11 16 00-0758	EA		2-1/2" C x Flange Crimped Bronze Flange.....	654.66	34.62
				<i>For Work In Restricted Working Space, Add</i>	15.58	
	22 11 16 00-0759	EA		3" C x Flange Crimped Bronze Flange.....	710.55	41.18
				<i>For Work In Restricted Working Space, Add</i>	18.55	
	22 11 16 00-0760	EA		4" C x Flange Crimped Bronze Flange.....	807.84	54.40
				<i>For Work In Restricted Working Space, Add</i>	24.48	
	22 11 16 00-0761			Field Installed FKM Seals <small>(22 11 16 00-0657)</small>		
				Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
	22 11 16 00-0762	EA		1/2" Field Installed FKM Seal.....	8.96	
				Note: To be used in conjunction with fittings.		
				<i>For Work In Restricted Working Space, Add</i>	1.67	
	22 11 16 00-0763	EA		3/4" Field Installed FKM Seal.....	11.69	
				Note: To be used in conjunction with fittings.		
				<i>For Work In Restricted Working Space, Add</i>	1.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0764	EA		1" Field Installed FKM Seal.....	13.43	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	2.23	
22 11 16 00-0765	EA		1-1/4" Field Installed FKM Seal.....	15.57	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	2.51	
22 11 16 00-0766	EA		1-1/2" Field Installed FKM Seal.....	23.20	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	2.87	
22 11 16 00-0767	EA		2" Field Installed FKM Seal.....	25.54	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	3.34	
22 11 16 00-0768	EA		2-1/2" Field Installed FKM Seal.....	40.41	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 11 16 00-0769	EA		3" Field Installed FKM Seal.....	46.08	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	4.64	
22 11 16 00-0770	EA		4" Field Installed FKM Seal.....	63.24	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	6.12	
22 11 16 00-0771			Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0383)		
22 11 16 00-0772	EA		Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	12.37	
22 11 16 00-0773	EA		3/4", Cut And Prepare Existing In Place Copper Pipe.....	13.36	
22 11 16 00-0774	EA		1", Cut And Prepare Existing In Place Copper Pipe.....	15.02	
22 11 16 00-0775	EA		1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	15.76	
22 11 16 00-0776	EA		1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	16.69	
22 11 16 00-0777	EA		2", Cut And Prepare Existing In Place Copper Pipe.....	18.37	
22 11 16 00-0778	EA		2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	19.79	
22 11 16 00-0779	EA		3", Cut And Prepare Existing In Place Copper Pipe.....	23.37	
22 11 16 00-0780	EA		4", Cut And Prepare Existing In Place Copper Pipe.....	31.53	
22 11 16 00-0781	EA		6", Cut And Prepare Existing In Place Copper Pipe.....	45.06	
22 11 16 00-0782	EA		8", Cut And Prepare Existing In Place Copper Pipe.....	60.10	
22 11 16 00-0783			Sweat Brass Companion Flanges (22 11 16 00-0383)		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0784	EA		1" Sweat Brass Companion Flange.....	80.52	19.02
22 11 16 00-0785	EA		1-1/4" Sweat Brass Companion Flange.....	87.85	20.96
22 11 16 00-0786	EA		1-1/2" Sweat Brass Companion Flange.....	128.39	22.77
22 11 16 00-0787	EA		2" Sweat Brass Companion Flange.....	173.87	25.28
22 11 16 00-0788	EA		2-1/2" Sweat Brass Companion Flange.....	255.92	30.41
22 11 16 00-0789	EA		3" Sweat Brass Companion Flange.....	277.49	39.86
22 11 16 00-0790	EA		4" Sweat Brass Companion Flange.....	374.96	47.49
22 11 16 00-0791	EA		5" Sweat Brass Companion Flange.....	701.73	55.92
22 11 16 00-0792	EA		6" Sweat Brass Companion Flange.....	789.19	81.25
22 11 16 00-0793	EA		8" Copper Companion Flange.....	1,907.88	115.89
22 11 16 00-0794			Brass Compression Fittings (22 11 16 00-0383)		
22 11 16 00-0795			Brass Compression Unions (22 11 16 00-0794)		
22 11 16 00-0796	EA		1/4" Brass Compression Union.....	21.11	13.36
22 11 16 00-0797	EA		3/8" Brass Compression Union.....	21.41	13.36
22 11 16 00-0798	EA		1/2" Brass Compression Union.....	22.32	13.36
22 11 16 00-0799	EA		5/8" Brass Compression Union.....	22.75	13.36
22 11 16 00-0800	EA		3/4" Brass Compression Union.....	31.36	13.36
22 11 16 00-0801	EA		3/8" x 1/4" Brass Compression Union.....	21.62	13.36
22 11 16 00-0802	EA		1/2" x 3/8" Brass Compression Union.....	22.39	13.36
22 11 16 00-0803	EA		5/8" x 3/8" Brass Compression Union.....	22.93	13.36
22 11 16 00-0804	EA		5/8" x 1/2" Brass Compression Union.....	23.79	13.36
22 11 16 00-0805			Brass Compression Union Elbows (22 11 16 00-0794)		
22 11 16 00-0806	EA		1/4" Brass Compression Union Elbow.....	22.32	13.36
22 11 16 00-0807	EA		3/8" Brass Compression Union Elbow.....	22.81	13.36
22 11 16 00-0808	EA		1/2" Brass Compression Union Elbow.....	23.89	13.36
22 11 16 00-0809	EA		5/8" Brass Compression Union Elbow.....	25.56	13.36
22 11 16 00-0810	EA		3/4" Brass Compression Union Elbow.....	32.09	13.36
22 11 16 00-0811	EA		3/8" x 1/4" Brass Compression Union Elbow.....	22.81	13.36
22 11 16 00-0812	EA		1/2" x 3/8" Brass Compression Union Elbow.....	23.89	13.36
22 11 16 00-0813	EA		5/8" x 3/8" Brass Compression Union Elbow.....	24.19	13.36
22 11 16 00-0814	EA		5/8" x 1/2" Brass Compression Union Elbow.....	29.09	13.36
22 11 16 00-0815			Brass Compression Union Tees (22 11 16 00-0794)		
22 11 16 00-0816	EA		1/4" Brass Compression Union Tee.....	22.69	13.36
22 11 16 00-0817	EA		3/8" Brass Compression Union Tee.....	23.71	13.36
22 11 16 00-0818	EA		1/2" Brass Compression Union Tee.....	24.79	13.36
22 11 16 00-0819	EA		5/8" Brass Compression Union Tee.....	28.20	13.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 11 16 00-0820 EA 3/4" Brass Compression Union Tee.....	39.98	13.36
				22 11 16 00-0821 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	24.43	13.36
				22 11 16 00-0822 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	29.96	13.36
				22 11 16 00-0823 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	29.43	13.36
				22 11 16 00-0824 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	30.05	13.36
22 11 16 00-0825				Brass Compression Male Connectors (22 11 16 00-0794)		
				22 11 16 00-0826 EA 1/4" Brass Compression Male Connector.....	20.90	13.36
				22 11 16 00-0827 EA 3/8" Brass Compression Male Connector.....	21.29	13.36
				22 11 16 00-0828 EA 1/2" Brass Compression Male Connector.....	21.97	13.36
				22 11 16 00-0829 EA 5/8" Brass Compression Male Connector.....	22.99	13.36
				22 11 16 00-0830 EA 3/4" Brass Compression Male Connector.....	27.95	13.23
22 11 16 00-0831				Brass Compression Female Connectors (22 11 16 00-0794)		
				22 11 16 00-0832 EA 1/4" Brass Compression Female Connector.....	21.33	13.36
				22 11 16 00-0833 EA 3/8" Brass Compression Female Connector.....	21.84	13.36
				22 11 16 00-0834 EA 1/2" Brass Compression Female Connector.....	22.71	13.36
				22 11 16 00-0835 EA 5/8" Brass Compression Female Connector.....	23.28	13.36
				22 11 16 00-0836 EA 3/4" Brass Compression Female Connector.....	35.91	13.11
22 11 16 00-0837				Dielectric Fittings (22 11 16 00-0837)		
22 11 16 00-0838				Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)		
				22 11 16 00-0839 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	52.16	29.68
				22 11 16 00-0840 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	58.34	33.89
				22 11 16 00-0841 EA 1" Copper x Female Iron Pipe Thread Dielectric Union.....	69.10	37.24
				22 11 16 00-0842 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	83.30	41.00
				22 11 16 00-0843 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	100.29	45.56
				22 11 16 00-0844 EA 2" Copper x Female Iron Pipe Thread Dielectric Union.....	127.04	54.66
22 11 16 00-0845				Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)		
				22 11 16 00-0846 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	56.99	29.68
				22 11 16 00-0847 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	66.30	33.89
				22 11 16 00-0848 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	79.59	37.24
				22 11 16 00-0849 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	97.21	41.00
				22 11 16 00-0850 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	117.50	45.56
				22 11 16 00-0851 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	147.22	54.66
22 11 16 00-0852				Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)		
				22 11 16 00-0853 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	53.93	29.68
				22 11 16 00-0854 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	61.25	33.89
				22 11 16 00-0855 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	69.87	37.24
				22 11 16 00-0856 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	80.61	41.00
				22 11 16 00-0857 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	97.62	45.56
				22 11 16 00-0858 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	124.90	54.66
22 11 16 00-0859				Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)		
				22 11 16 00-0860 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	310.07	140.53
				22 11 16 00-0861 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange.....	388.28	176.98
				22 11 16 00-0862 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	546.51	240.87
22 11 16 00-0863				Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)		
				22 11 16 00-0864 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	312.06	140.53
				22 11 16 00-0865 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	404.12	176.98
				22 11 16 00-0866 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	729.16	240.87
22 11 16 00-0867				Brass Push-Fit Fittings (22 11 16)		
				22 11 16 00-0868 EA 1/4" x 1/4" Brass Push-Fit Coupling.....	26.71	12.37
				Note: (Sharkbite)		
				22 11 16 00-0869 EA 3/8" x 3/8" Brass Push-Fit Coupling.....	33.21	13.20
				Note: (Sharkbite)		
				22 11 16 00-0870 EA 1/2" x 1/2" Brass Push-Fit Coupling.....	34.39	14.84
				Note: (Sharkbite)		
				22 11 16 00-0871 EA 5/8" x 5/8" Brass Push-Fit Coupling.....	39.62	15.83
				Note: (Sharkbite)		
				22 11 16 00-0872 EA 3/4" x 3/4" Brass Push-Fit Coupling.....	40.37	16.90
				Note: (Sharkbite)		
				22 11 16 00-0873 EA 1" x 1" Brass Push-Fit Coupling.....	56.82	20.19
				Note: (Sharkbite)		
				22 11 16 00-0874 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	33.80	14.01
				Note: (Sharkbite)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0875	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	39.16	15.34
22 11 16 00-0876	EA		1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	58.44	18.55
22 11 16 00-0877	EA		1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	27.90	12.37
22 11 16 00-0878	EA		3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	38.24	13.20
22 11 16 00-0879	EA		1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	35.03	14.84
22 11 16 00-0880	EA		5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	42.54	15.83
22 11 16 00-0881	EA		3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	39.53	16.90
22 11 16 00-0882	EA		1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	57.47	20.19
22 11 16 00-0883	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	33.27	14.01
22 11 16 00-0884	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	37.07	15.34
22 11 16 00-0885	EA		1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	72.83	18.55
22 11 16 00-0886	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	42.32	18.55
22 11 16 00-0887	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	53.70	19.78
22 11 16 00-0888	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	49.07	22.25
22 11 16 00-0889	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	62.57	23.74
22 11 16 00-0890	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	57.26	25.35
22 11 16 00-0891	EA		1" x 1" x 1" Brass Push-Fit Tee..... Note: (Sharkbite)	78.39	30.29
22 11 16 00-0892	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	55.16	21.02
22 11 16 00-0893	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	55.46	21.43
22 11 16 00-0894	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	55.28	24.32
22 11 16 00-0895	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	76.06	28.66
22 11 16 00-0896	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.84	13.60
22 11 16 00-0897	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.44	14.01
22 11 16 00-0898	EA		1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.04	14.84
22 11 16 00-0899	EA		3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	35.56	16.90
22 11 16 00-0900	EA		1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	50.06	20.19
22 11 16 00-0901	EA		1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.80	13.60
22 11 16 00-0902	EA		3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.44	14.01
22 11 16 00-0903	EA		1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.12	14.84
22 11 16 00-0904	EA		3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	35.19	16.90
22 11 16 00-0905	EA		5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	38.30	16.36
22 11 16 00-0906	EA		1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	45.97	18.55
22 11 16 00-0907	EA		1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	50.81	20.19
22 11 16 00-0908	EA		1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	45.00	14.84
22 11 16 00-0909	EA		3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	52.64	16.90
22 11 16 00-0910	EA		1" Brass Push-Fit Ball Valve Note: (Sharkbite)	69.59	20.19
22 11 16 00-0911	EA		1/2" Brass Push-Fit Check Valve..... Note: (Sharkbite)	48.25	14.84
22 11 16 00-0912	EA		3/4" Brass Push-Fit Check Valve..... Note: (Sharkbite)	58.11	16.90
22 11 16 00-0913	EA		1" Brass Push-Fit Check Valve..... Note: (Sharkbite)	98.08	20.19

22 11 16 00-0914 **Copper Pipe With Fittings And Hangers Assemblies**^(22 11 16)
 Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0915	LF		1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	25.94	3.46
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	1.92	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.56	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.23	
			<i>For For Brazed Fittings, Add</i>	0.77	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.26	
			<i>For Work In Restricted Working Space, Add</i>	5.81	
22 11 16 00-0916	LF		3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	30.07	4.45
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	2.30	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.85	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.70	
			<i>For For Brazed Fittings, Add</i>	0.88	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.60	
			<i>For Work In Restricted Working Space, Add</i>	6.58	
22 11 16 00-0917	LF		1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	33.53	5.32
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	2.76	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.19	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.97	
			<i>For For Brazed Fittings, Add</i>	0.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.83	
			<i>For Work In Restricted Working Space, Add</i>	6.89	
22 11 16 00-0918	LF		1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	38.53	6.18
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	3.51	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-2.71	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.31	
			<i>For For Brazed Fittings, Add</i>	0.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.12	
			<i>For Work In Restricted Working Space, Add</i>	7.16	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.47	
22 11 16 00-0919	LF		1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	43.23	7.05
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	4.12	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-3.15	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.71	
			<i>For For Brazed Fittings, Add</i>	1.02	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.43	
			<i>For Work In Restricted Working Space, Add</i>	7.64	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-1.78	
22 11 16 00-0920	LF		2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	55.41	8.78
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	5.73	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-4.31	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.70	
			<i>For For Brazed Fittings, Add</i>	1.17	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.24	
			<i>For Work In Restricted Working Space, Add</i>	8.79	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-2.61	
22 11 16 00-0921	LF		2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	70.90	10.59
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	8.14	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-5.99	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.69	
			<i>For For Brazed Fittings, Add</i>	1.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.12	
			<i>For Work In Restricted Working Space, Add</i>	9.43	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-3.95	
22 11 16 00-0922	LF		3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	88.24	12.30
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	10.82	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-7.87	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.82	
			<i>For For Brazed Fittings, Add</i>	1.36	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.11	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-5.42	
22 11 16 00-0923	LF		4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	141.76	16.29
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Type K Tubing Instead Of Type L, Add</i>	18.81	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-13.49	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.49	
			<i>For For Brazed Fittings, Add</i>	1.76	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.29	
			<i>For Work In Restricted Working Space, Add</i>	13.20	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-9.78	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0924	LF		5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	268.02 39.15 -27.64 19.05 2.26 -16.23 16.94 -21.15	20.27
22 11 16 00-0925	LF		6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	351.71 51.70 -36.47 24.76 2.87 -21.17 21.53 -28.00	24.48
22 11 16 00-0926	LF		8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	825.17 131.93 -91.89 50.18 3.57 -45.72 26.75 -73.60	29.27
22 11 16 00-0927			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings <small>(22 11 16)</small> Note: Socket weld.		
22 11 16 00-0928			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings <small>(22 11 16 00-0927)</small>		
22 11 16 00-0929			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe <small>(22 11 16 00-0928)</small>		
22 11 16 00-0930	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.40 1.37	1.82
22 11 16 00-0931	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.66 1.43	1.91
22 11 16 00-0932	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.84 1.54	2.06
22 11 16 00-0933	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.50 1.69	2.24
22 11 16 00-0934	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.74 1.86	2.49
22 11 16 00-0935	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	20.13 2.08	2.78
22 11 16 00-0936	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	28.08 2.37	3.15
22 11 16 00-0937	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	36.30 2.80	3.74
22 11 16 00-0938	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	51.03 3.44	4.59
22 11 16 00-0939	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	91.11 4.38	5.83
22 11 16 00-0940	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	132.01 5.74	7.65
22 11 16 00-0941			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows <small>(22 11 16 00-0928)</small>		
22 11 16 00-0942	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	26.08 6.49	8.66
22 11 16 00-0943	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	34.23 8.20	10.93
22 11 16 00-0944	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	45.19 10.28	13.67
22 11 16 00-0945	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	63.83 12.85	17.09
22 11 16 00-0946	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	71.10 14.21	18.90
22 11 16 00-0947	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	84.81 15.85	18.90
22 11 16 00-0948	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	143.41 18.04	24.03
22 11 16 00-0949	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	161.56 21.32	28.47
22 11 16 00-0950	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	238.39 26.24	34.96
22 11 16 00-0951	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	300.33 33.35	44.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0952	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	608.77 43.73	58.31
22 11 16 00-0953			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows <small>(22 11 16 00-0928)</small>		
22 11 16 00-0954	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.29 6.49	8.66
22 11 16 00-0955	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.88 8.20	10.93
22 11 16 00-0956	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.50 10.28	13.67
22 11 16 00-0957	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	69.50 12.85	17.09
22 11 16 00-0958	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	78.00 14.21	18.90
22 11 16 00-0959	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	87.16 15.85	21.19
22 11 16 00-0960	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	144.89 18.04	24.03
22 11 16 00-0961	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	161.37 21.32	28.47
22 11 16 00-0962	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	211.35 26.24	34.96
22 11 16 00-0963	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	351.02 33.35	44.42
22 11 16 00-0964	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	644.69 43.73	58.31
22 11 16 00-0965			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees <small>(22 11 16 00-0928)</small>		
22 11 16 00-0966	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	40.52 9.74	12.98
22 11 16 00-0967	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	53.88 12.30	16.40
22 11 16 00-0968	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	67.31 15.44	20.61
22 11 16 00-0969	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	97.62 19.27	25.73
22 11 16 00-0970	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	109.32 21.32	28.47
22 11 16 00-0971	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	136.32 23.78	31.67
22 11 16 00-0972	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	183.94 27.06	36.10
22 11 16 00-0973	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	208.60 31.98	42.60
22 11 16 00-0974	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	251.69 39.36	52.50
22 11 16 00-0975	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	402.17 50.02	66.74
22 11 16 00-0976	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	892.69 65.60	87.47
22 11 16 00-0977			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses <small>(22 11 16 00-0928)</small>		
22 11 16 00-0978	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	50.22 12.98	17.31
22 11 16 00-0979	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	65.75 16.40	21.86
22 11 16 00-0980	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	82.20 20.57	27.44
22 11 16 00-0981	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	114.40 25.69	34.28
22 11 16 00-0982	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	127.70 28.43	37.92
22 11 16 00-0983	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	154.84 31.71	42.25
22 11 16 00-0984	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	201.01 36.08	48.06
22 11 16 00-0985	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	229.98 42.64	56.83
22 11 16 00-0986	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	278.71 52.48	69.93
22 11 16 00-0987	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	425.10 66.69	88.94
22 11 16 00-0988	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	872.11 87.47	116.62
22 11 16 00-0989			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts <small>(22 11 16 00-0928)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0990 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	22.70 6.02	7.97
22 11 16 00-0991 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	32.16 8.10	10.82
22 11 16 00-0992 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	58.95 10.59	14.13
22 11 16 00-0993 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	66.97 11.72	15.60
22 11 16 00-0994 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	80.27 13.09	17.43
22 11 16 00-0995 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	86.30 14.90	19.81
22 11 16 00-0996 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	105.59 17.60	23.46
22 11 16 00-0997 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	147.42 21.66	28.82
22 11 16 00-0998 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	251.91 27.50	36.67
22 11 16 00-0999 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	602.35 36.08	48.06
22 11 16 00-1000 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0928)		
22 11 16 00-1001 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	31.61 4.27	5.70
22 11 16 00-1002 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	38.78 6.02	7.97
22 11 16 00-1003 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	47.07 8.10	10.82
22 11 16 00-1004 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	57.66 10.59	14.13
22 11 16 00-1005 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	68.88 11.72	15.60
22 11 16 00-1006 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	89.76 13.09	17.43
22 11 16 00-1007 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	148.28 14.90	19.81
22 11 16 00-1008 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	316.26 17.60	23.46
22 11 16 00-1009 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	478.21 21.66	28.82
22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0928)		
22 11 16 00-1011 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	20.89 4.27	5.70
22 11 16 00-1012 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.04 6.02	7.97
22 11 16 00-1013 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	42.14 8.10	10.82
22 11 16 00-1014 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	57.66 10.59	14.13
22 11 16 00-1015 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	69.31 11.72	15.60
22 11 16 00-1016 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	84.52 13.09	17.43
22 11 16 00-1017 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	127.09 14.90	19.81
22 11 16 00-1018 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	152.28 17.60	23.46
22 11 16 00-1019 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	230.51 21.66	28.82
22 11 16 00-1020 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0928)		
22 11 16 00-1021 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	23.42 4.27	5.70
22 11 16 00-1022 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	29.85 6.02	7.97
22 11 16 00-1023 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	42.35 8.10	10.82
22 11 16 00-1024 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	58.40 10.59	14.13
22 11 16 00-1025 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	65.92 11.72	15.60



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 11 16 00-1026 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters 81.75		17.43
				<i>For Work In Restricted Working Space, Add</i> 13.09		
				22 11 16 00-1027 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters 128.69		19.81
				<i>For Work In Restricted Working Space, Add</i> 14.90		
				22 11 16 00-1028 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters 180.25		23.46
				<i>For Work In Restricted Working Space, Add</i> 17.60		
				22 11 16 00-1029 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters 278.07		28.82
				<i>For Work In Restricted Working Space, Add</i> 21.66		
22 11 16 00-1030				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0928)</small>		
				22 11 16 00-1031 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 18.65		5.23
				<i>For Work In Restricted Working Space, Add</i> 3.89		
				22 11 16 00-1032 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 26.23		7.28
				<i>For Work In Restricted Working Space, Add</i> 5.47		
				22 11 16 00-1033 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 35.26		9.79
				<i>For Work In Restricted Working Space, Add</i> 7.34		
				22 11 16 00-1034 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 48.20		12.87
				<i>For Work In Restricted Working Space, Add</i> 9.64		
				22 11 16 00-1035 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 55.81		14.24
				<i>For Work In Restricted Working Space, Add</i> 10.66		
				22 11 16 00-1036 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 63.17		15.83
				<i>For Work In Restricted Working Space, Add</i> 11.89		
				22 11 16 00-1037 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 101.53		17.99
				<i>For Work In Restricted Working Space, Add</i> 13.53		
				22 11 16 00-1038 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 110.28		21.30
				<i>For Work In Restricted Working Space, Add</i> 15.99		
				22 11 16 00-1039 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 140.25		26.19
				<i>For Work In Restricted Working Space, Add</i> 19.68		
				22 11 16 00-1040 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 230.66		33.37
				<i>For Work In Restricted Working Space, Add</i> 25.01		
				22 11 16 00-1041 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings 407.79		43.73
				<i>For Work In Restricted Working Space, Add</i> 32.80		
22 11 16 00-1042				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0928)</small>		
				22 11 16 00-1043 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 39.75		6.26
				<i>For Work In Restricted Working Space, Add</i> 4.68		
				22 11 16 00-1044 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 47.18		8.77
				<i>For Work In Restricted Working Space, Add</i> 6.56		
				22 11 16 00-1045 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 55.50		11.73
				<i>For Work In Restricted Working Space, Add</i> 8.81		
				22 11 16 00-1046 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 99.92		15.38
				<i>For Work In Restricted Working Space, Add</i> 11.55		
				22 11 16 00-1047 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 105.13		17.09
				<i>For Work In Restricted Working Space, Add</i> 12.78		
				22 11 16 00-1048 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 151.35		19.02
				<i>For Work In Restricted Working Space, Add</i> 14.28		
				22 11 16 00-1049 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 269.21		21.64
				<i>For Work In Restricted Working Space, Add</i> 16.23		
				22 11 16 00-1050 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 389.08		25.62
				<i>For Work In Restricted Working Space, Add</i> 19.20		
				22 11 16 00-1051 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 631.32		31.43
				<i>For Work In Restricted Working Space, Add</i> 23.61		
				22 11 16 00-1052 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 846.34		39.97
				<i>For Work In Restricted Working Space, Add</i> 30.00		
				22 11 16 00-1053 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions 1,042.89		52.50
				<i>For Work In Restricted Working Space, Add</i> 39.36		
22 11 16 00-1054				Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0928)</small>		
				22 11 16 00-1055 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 17.06		5.36
				<i>For Work In Restricted Working Space, Add</i> 2.44		
				22 11 16 00-1056 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 22.94		6.72
				<i>For Work In Restricted Working Space, Add</i> 3.08		
				22 11 16 00-1057 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 35.28		8.43
				<i>For Work In Restricted Working Space, Add</i> 3.86		
				22 11 16 00-1058 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 40.64		6.38
				<i>For Work In Restricted Working Space, Add</i> 4.82		
				22 11 16 00-1059 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 42.83		7.06
				<i>For Work In Restricted Working Space, Add</i> 5.33		
				22 11 16 00-1060 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 60.18		7.97
				<i>For Work In Restricted Working Space, Add</i> 5.94		
				22 11 16 00-1061 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 95.24		8.99
				<i>For Work In Restricted Working Space, Add</i> 6.77		
				22 11 16 00-1062 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 101.00		10.71
				<i>For Work In Restricted Working Space, Add</i> 8.00		
				22 11 16 00-1063 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 158.22		13.09
				<i>For Work In Restricted Working Space, Add</i> 9.84		
				22 11 16 00-1064 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 353.75		16.63
				<i>For Work In Restricted Working Space, Add</i> 12.50		
				22 11 16 00-1065 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap 455.37		21.86
				<i>For Work In Restricted Working Space, Add</i> 16.40		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1066			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <small>(22 11 16 00-0928)</small>		
22 11 16 00-1067	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	31.93	4.10
			<i>For Work In Restricted Working Space, Add</i>	3.11	
22 11 16 00-1068	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	37.68	5.81
			<i>For Work In Restricted Working Space, Add</i>	4.37	
22 11 16 00-1069	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	45.34	7.86
			<i>For Work In Restricted Working Space, Add</i>	5.88	
22 11 16 00-1070	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	52.22	10.25
			<i>For Work In Restricted Working Space, Add</i>	7.72	
22 11 16 00-1071	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	55.57	11.39
			<i>For Work In Restricted Working Space, Add</i>	8.54	
22 11 16 00-1072	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	67.71	12.64
			<i>For Work In Restricted Working Space, Add</i>	9.50	
22 11 16 00-1073	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	92.35	14.46
			<i>For Work In Restricted Working Space, Add</i>	10.83	
22 11 16 00-1074	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	103.95	17.09
			<i>For Work In Restricted Working Space, Add</i>	12.78	
22 11 16 00-1075	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	130.24	20.96
			<i>For Work In Restricted Working Space, Add</i>	15.75	
22 11 16 00-1076	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	188.95	26.65
			<i>For Work In Restricted Working Space, Add</i>	20.02	
22 11 16 00-1077	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	363.19	34.96
			<i>For Work In Restricted Working Space, Add</i>	26.24	

22 11 16 00-1078 Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe (22 11 16)

22 11 16 00-1079 Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe (22 11 16 00-1076)

Note: Aquatherm greenpipe®

22 11 16 00-1080	LF		1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	5.71	1.94
22 11 16 00-1081	LF		3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	6.81	2.02
22 11 16 00-1082	LF		1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	9.40	2.43
22 11 16 00-1083	LF		1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	12.08	2.60
22 11 16 00-1084	LF		1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	17.09	2.92
22 11 16 00-1085	LF		2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	23.12	2.97
22 11 16 00-1086	LF		2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	33.09	4.04
22 11 16 00-1087	LF		3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	44.25	4.67
22 11 16 00-1088	LF		3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	60.10	5.22
22 11 16 00-1089	LF		4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	71.28	5.78

22 11 16 00-1090 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe (22 11 16 00-1076)

Note: Aquatherm greenpipe®

22 11 16 00-1091	LF		1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.13	1.94
22 11 16 00-1092	LF		3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.86	2.02
22 11 16 00-1093	LF		1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	7.69	2.43
22 11 16 00-1094	LF		1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	9.58	2.60
22 11 16 00-1095	LF		1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	12.72	2.92
22 11 16 00-1096	LF		2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	16.91	2.97
22 11 16 00-1097	LF		2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	23.53	4.04
22 11 16 00-1098	LF		3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	31.64	4.67
22 11 16 00-1099	LF		3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	44.27	5.22
22 11 16 00-1100	LF		4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	52.52	5.78

22 11 16 00-1101 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe (22 11 16 00-1078)

Note: Aquatherm greenpipe®

22 11 16 00-1102	LF		1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	6.01	1.94
22 11 16 00-1103	LF		3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	7.22	2.02
22 11 16 00-1104	LF		1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	9.86	2.43
22 11 16 00-1105	LF		1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	12.67	2.60
22 11 16 00-1106	LF		1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	18.79	2.92
22 11 16 00-1107	LF		2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	24.04	2.97
22 11 16 00-1108	LF		2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	34.40	4.04
22 11 16 00-1109	LF		3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	47.54	4.67
22 11 16 00-1110	LF		3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	59.93	5.22
22 11 16 00-1111	LF		4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	70.76	5.78

22 11 16 00-1112 Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe (22 11 16 00-1078)

Note: Aquatherm cimatherm®

22 11 16 00-1113	LF		1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	5.10	1.94
22 11 16 00-1114	LF		3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	5.97	2.02
22 11 16 00-1115	LF		1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	7.06	2.43
22 11 16 00-1116	LF		1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	8.67	2.60
22 11 16 00-1117	LF		1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	11.09	2.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1118	LF		2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	14.45	2.98
22 11 16 00-1119	LF		2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	20.17	4.04
22 11 16 00-1120	LF		3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	26.95	4.67
22 11 16 00-1121	LF		3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	36.55	5.23
22 11 16 00-1122	LF		4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	44.30	5.78
22 11 16 00-1123	LF		6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	53.01	7.38
22 11 16 00-1124	LF		8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	86.02	9.70
22 11 16 00-1125 Pipe Clamp For Polypropylene Random (PP-R) Pipe (22 11 16 00-1078)					
22 11 16 00-1126	EA		1/2" Pipe Clamp For Polypropylene Pipe.....	14.49	4.79
22 11 16 00-1127	EA		3/4" Pipe Clamp For Polypropylene Pipe.....	15.24	4.79
22 11 16 00-1128	EA		1" Pipe Clamp For Polypropylene Pipe.....	15.74	4.79
22 11 16 00-1129	EA		1-1/4" Pipe Clamp For Polypropylene Pipe.....	15.91	4.79
22 11 16 00-1130	EA		1-1/2" Pipe Clamp For Polypropylene Pipe.....	16.49	4.79
22 11 16 00-1131	EA		2" Pipe Clamp For Polypropylene Pipe.....	18.15	4.79
22 11 16 00-1132	EA		2-1/2" Pipe Clamp For Polypropylene Pipe.....	20.57	4.79
22 11 16 00-1133	EA		3" Pipe Clamp For Polypropylene Pipe.....	21.40	4.79
22 11 16 00-1134	EA		3-1/2" Pipe Clamp For Polypropylene Pipe.....	22.57	4.79
22 11 16 00-1135	EA		4" Pipe Clamp For Polypropylene Pipe.....	24.15	4.79
22 11 16 00-1136 Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap (22 11 16 00-1078)					
22 11 16 00-1137	EA		Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.70	
22 11 16 00-1138	EA		Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.91	
22 11 16 00-1139	EA		Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	5.00	
22 11 16 00-1140	EA		Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	5.08	
22 11 16 00-1141 Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp (22 11 16 00-1078)					
22 11 16 00-1142	EA		1/2" Polypropylene Pipe Plastic Pipe Clamp.....	10.84	2.49
22 11 16 00-1143	EA		3/4" Polypropylene Pipe Plastic Pipe Clamp.....	11.35	2.49
22 11 16 00-1144 Polypropylene Random (PP-R), Heat Fusion, Socket Coupling (22 11 16 00-1078)					
22 11 16 00-1145	EA		1/2" Polypropylene, Heat Fusion, Socket Coupling	9.84	3.87
22 11 16 00-1146	EA		3/4" Polypropylene, Heat Fusion, Socket Coupling	10.44	4.04
22 11 16 00-1147	EA		1" Polypropylene, Heat Fusion, Socket Coupling	12.81	4.84
22 11 16 00-1148	EA		1-1/4" Polypropylene, Heat Fusion, Socket Coupling	14.10	5.19
22 11 16 00-1149	EA		1-1/2" Polypropylene, Heat Fusion, Socket Coupling	19.47	5.83
22 11 16 00-1150	EA		2" Polypropylene, Heat Fusion, Socket Coupling	27.53	5.94
22 11 16 00-1151	EA		2-1/2" Polypropylene, Heat Fusion, Socket Coupling	33.66	8.08
22 11 16 00-1152	EA		3" Polypropylene, Heat Fusion, Socket Coupling	57.18	9.35
22 11 16 00-1153	EA		3-1/2" Polypropylene, Heat Fusion, Socket Coupling	83.47	10.44
22 11 16 00-1154	EA		4" Polypropylene, Heat Fusion, Socket Coupling	105.20	11.54
22 11 16 00-1155 Polypropylene Random (PP-R), Heat Fusion, Bushing (22 11 16 00-1078)					
22 11 16 00-1156	EA		1" Polypropylene, Heat Fusion, Bushing.....	10.88	3.87
22 11 16 00-1157	EA		1-1/4" Polypropylene, Heat Fusion, Bushing	12.92	4.04
22 11 16 00-1158	EA		1-1/2" Polypropylene, Heat Fusion, Bushing	17.71	4.84
22 11 16 00-1159	EA		2" Polypropylene, Heat Fusion, Bushing.....	26.40	5.19
22 11 16 00-1160	EA		2-1/2" Polypropylene, Heat Fusion, Bushing	29.58	5.83
22 11 16 00-1161	EA		3" Polypropylene, Heat Fusion, Bushing.....	51.82	5.94
22 11 16 00-1162	EA		3-1/2" Polypropylene, Heat Fusion, Bushing	79.99	8.08
22 11 16 00-1163	EA		4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	96.59	9.35
22 11 16 00-1164	EA		4" x 3" Polypropylene, Heat Fusion, Bushing.....	117.76	10.44
22 11 16 00-1165	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	122.84	11.54
22 11 16 00-1166 Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling (22 11 16 00-1078)					
22 11 16 00-1167	EA		1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	15.56	4.04
22 11 16 00-1168	EA		1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	20.99	4.84
22 11 16 00-1169	EA		2" Polypropylene, Heat Fusion, Reducing Coupling	32.90	5.19
22 11 16 00-1170	EA		2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	36.40	5.83
22 11 16 00-1171	EA		3" Polypropylene, Heat Fusion, Reducing Coupling	45.24	5.94
22 11 16 00-1172	EA		3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	74.02	8.08
22 11 16 00-1173	EA		4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	96.65	9.81
22 11 16 00-1174	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	107.85	11.54
22 11 16 00-1175 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow (22 11 16 00-1078)					
22 11 16 00-1176	EA		1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	17.73	7.73
22 11 16 00-1177	EA		3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	19.18	8.14
22 11 16 00-1178	EA		1" Polypropylene, Heat Fusion, 90 Degree Elbow	23.59	9.70
22 11 16 00-1179	EA		1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	27.35	10.44
22 11 16 00-1180	EA		1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	37.10	11.60
22 11 16 00-1181	EA		2" Polypropylene, Heat Fusion, 90 Degree Elbow	45.02	11.83
22 11 16 00-1182	EA		2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	79.80	16.22
22 11 16 00-1183	EA		3" Polypropylene, Heat Fusion, 90 Degree Elbow	116.13	18.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1184 EA 3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	153.60	20.89
22 11 16 00-1185 EA 4" Polypropylene, Heat Fusion, 90 Degree Elbow	218.42	23.08
22 11 16 00-1186 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow (22 11 16 00-1078)		
22 11 16 00-1187 EA 1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	17.73	7.73
22 11 16 00-1188 EA 3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	19.18	8.14
22 11 16 00-1189 EA 1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	23.59	9.70
22 11 16 00-1190 EA 1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	27.35	10.44
22 11 16 00-1191 Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow (22 11 16 00-1078)		
22 11 16 00-1192 EA 1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	17.73	7.73
22 11 16 00-1193 EA 3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	19.18	8.14
22 11 16 00-1194 EA 1" Polypropylene, Heat Fusion, 45 Degree Elbow	23.59	9.70
22 11 16 00-1195 EA 1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	27.35	10.44
22 11 16 00-1196 EA 1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	37.10	11.60
22 11 16 00-1197 EA 2" Polypropylene, Heat Fusion, 45 Degree Elbow	44.76	11.83
22 11 16 00-1198 EA 2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	79.23	16.22
22 11 16 00-1199 EA 3" Polypropylene, Heat Fusion, 45 Degree Elbow	123.79	18.70
22 11 16 00-1200 EA 3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	164.80	20.89
22 11 16 00-1201 EA 4" Polypropylene, Heat Fusion, 45 Degree Elbow	235.60	23.08
22 11 16 00-1202 Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow (22 11 16 00-1078)		
22 11 16 00-1203 EA 1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	17.70	7.73
22 11 16 00-1204 EA 3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	19.18	8.14
22 11 16 00-1205 EA 1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	23.59	9.70
22 11 16 00-1206 EA 1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	27.35	10.44
22 11 16 00-1207 Polypropylene Random (PP-R), Heat Fusion, Tee (22 11 16 00-1078)		
22 11 16 00-1208 EA 1/2" Polypropylene, Heat Fusion, Tee	26.25	11.60
22 11 16 00-1209 EA 3/4" Polypropylene, Heat Fusion, Tee	28.55	12.17
22 11 16 00-1210 EA 1" Polypropylene, Heat Fusion, Tee	34.31	14.49
22 11 16 00-1211 EA 1-1/4" Polypropylene, Heat Fusion, Tee	39.42	15.64
22 11 16 00-1212 EA 1-1/2" Polypropylene, Heat Fusion, Tee	58.11	17.43
22 11 16 00-1213 EA 2" Polypropylene, Heat Fusion, Tee	68.85	17.78
22 11 16 00-1214 EA 2-1/2" Polypropylene, Heat Fusion, Tee	104.38	24.30
22 11 16 00-1215 EA 3" Polypropylene, Heat Fusion, Tee	148.20	28.05
22 11 16 00-1216 EA 3-1/2" Polypropylene, Heat Fusion, Tee	206.21	31.30
22 11 16 00-1217 EA 4" Polypropylene, Heat Fusion, Tee	260.00	34.57
22 11 16 00-1218 Polypropylene Random (PP-R), Heat Fusion, Reducing Tee (22 11 16 00-1078)		
22 11 16 00-1219 EA 1/2" Polypropylene, Heat Fusion, Reducing Tee	26.25	11.60
22 11 16 00-1220 EA 3/4" Polypropylene, Heat Fusion, Reducing Tee	28.55	12.17
22 11 16 00-1221 EA 1" Polypropylene, Heat Fusion, Reducing Tee	34.24	14.49
22 11 16 00-1222 EA 1-1/4" Polypropylene, Heat Fusion, Reducing Tee	39.42	15.64
22 11 16 00-1223 EA 1-1/2" Polypropylene, Heat Fusion, Reducing Tee	58.11	17.43
22 11 16 00-1224 EA 2" Polypropylene, Heat Fusion, Reducing Tee	66.84	17.78
22 11 16 00-1225 EA 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	99.60	24.30
22 11 16 00-1226 EA 3" Polypropylene, Heat Fusion, Reducing Tee	158.37	28.05
22 11 16 00-1227 EA 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	222.44	31.30
22 11 16 00-1228 EA 4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	254.23	34.57
22 11 16 00-1229 EA 4" x 3" Polypropylene, Heat Fusion, Reducing Tee	260.66	34.57
22 11 16 00-1230 EA 4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	261.38	34.57
22 11 16 00-1231 Polypropylene Random (PP-R), Heat Fusion, End Cap (22 11 16 00-1078)		
22 11 16 00-1232 EA 1/2" Polypropylene, Heat Fusion, End Cap	11.04	3.87
22 11 16 00-1233 EA 3/4" Polypropylene, Heat Fusion, End Cap	12.28	4.04
22 11 16 00-1234 EA 1" Polypropylene, Heat Fusion, End Cap	14.79	4.84
22 11 16 00-1235 EA 1-1/4" Polypropylene, Heat Fusion, End Cap	18.39	5.19
22 11 16 00-1236 EA 1-1/2" Polypropylene, Heat Fusion, End Cap	22.70	5.83
22 11 16 00-1237 EA 2" Polypropylene, Heat Fusion, End Cap	30.38	5.94
22 11 16 00-1238 EA 2-1/2" Polypropylene, Heat Fusion, End Cap	42.97	8.08
22 11 16 00-1239 EA 3" Polypropylene, Heat Fusion, End Cap	79.28	9.35
22 11 16 00-1240 EA 3-1/2" Polypropylene, Heat Fusion, End Cap	93.76	10.44
22 11 16 00-1241 EA 4" Polypropylene, Heat Fusion, End Cap	134.06	11.54
22 11 16 00-1242 Polypropylene Random (PP-R), Heat Fusion Outlet (22 11 16 00-1078)		
22 11 16 00-1243 EA 1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	14.27	
22 11 16 00-1244 EA 1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	14.62	
22 11 16 00-1245 EA 1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.05	
22 11 16 00-1246 EA 1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	15.40	
22 11 16 00-1247 EA 2" x 1/2" Polypropylene, Heat Fusion Outlet	16.35	
22 11 16 00-1248 EA 2" x 3/4" Polypropylene, Heat Fusion Outlet	16.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1249 EA 2" x 1" Polypropylene, Heat Fusion Outlet.....	18.43	
22 11 16 00-1250 EA 2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	17.65	
22 11 16 00-1251 EA 2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	18.00	
22 11 16 00-1252 EA 2-1/2" x 1" Polypropylene, Heat Fusion Outlet.....	19.73	
22 11 16 00-1253 EA 2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	20.54	
22 11 16 00-1254 EA 3" x 1/2" Polypropylene, Heat Fusion Outlet.....	18.96	
22 11 16 00-1255 EA 3" x 3/4" Polypropylene, Heat Fusion Outlet.....	19.31	
22 11 16 00-1256 EA 3" x 1" Polypropylene, Heat Fusion Outlet.....	21.04	
22 11 16 00-1257 EA 3" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	21.85	
22 11 16 00-1258 EA 3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet.....	18.96	
22 11 16 00-1259 EA 3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet.....	20.61	
22 11 16 00-1260 EA 3-1/2" x 1" Polypropylene, Heat Fusion Outlet.....	22.34	
22 11 16 00-1261 EA 3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	23.15	
22 11 16 00-1262 EA 3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	27.65	
22 11 16 00-1263 EA 4" x 1/2" Polypropylene, Heat Fusion Outlet.....	21.56	
22 11 16 00-1264 EA 4" x 3/4" Polypropylene, Heat Fusion Outlet.....	21.91	
22 11 16 00-1265 EA 4" x 1" Polypropylene, Heat Fusion Outlet.....	23.64	
22 11 16 00-1266 EA 4" x 1-1/4" Polypropylene, Heat Fusion Outlet.....	24.45	
22 11 16 00-1267 EA 4" x 1-1/2" Polypropylene, Heat Fusion Outlet.....	27.65	
22 11 16 00-1268 EA 4" x 2" Polypropylene, Heat Fusion Outlet.....	33.40	
22 11 16 00-1269 Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included (22 11 16 00-1078)		
22 11 16 00-1270 EA 1" Polypropylene, Flange Adaptor With Gaskets Included.....	17.01	4.84
22 11 16 00-1271 EA 1-1/4" Polypropylene, Flange Adaptor With Gaskets Included.....	19.00	5.19
22 11 16 00-1272 EA 1-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	25.14	5.83
22 11 16 00-1273 EA 2" Polypropylene, Flange Adaptor With Gaskets Included.....	27.11	5.94
22 11 16 00-1274 EA 2-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	37.46	8.08
22 11 16 00-1275 EA 3" Polypropylene, Flange Adaptor With Gaskets Included.....	62.01	9.35
22 11 16 00-1276 EA 3-1/2" Polypropylene, Flange Adaptor With Gaskets Included.....	85.40	10.44
22 11 16 00-1277 EA 4" Polypropylene, Flange Adaptor With Gaskets Included.....	187.39	11.54
22 11 16 00-1278 Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern (22 11 16 00-1078)		
22 11 16 00-1279 EA 1" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	33.84	
22 11 16 00-1280 EA 1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	44.91	
22 11 16 00-1281 EA 1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	56.21	
22 11 16 00-1282 EA 2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	66.92	
22 11 16 00-1283 EA 2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	93.83	
22 11 16 00-1284 EA 3" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	109.05	
22 11 16 00-1285 EA 3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	135.24	
22 11 16 00-1286 EA 4" Polypropylene, Flange Ring With ANSI Bolt Pattern.....	163.92	
22 11 16 00-1287 Polypropylene Random (PP-R), Electrofusion Coupling (22 11 16 00-1078)		
22 11 16 00-1288 EA 1/2" Polypropylene, Electrofusion Coupling.....	69.93	7.73
22 11 16 00-1289 EA 3/4" Polypropylene, Electrofusion Coupling.....	72.87	8.14
22 11 16 00-1290 EA 1" Polypropylene, Electrofusion Coupling.....	82.78	9.70
22 11 16 00-1291 EA 1-1/4" Polypropylene, Electrofusion Coupling.....	85.30	10.44
22 11 16 00-1292 EA 1-1/2" Polypropylene, Electrofusion Coupling.....	92.68	11.60
22 11 16 00-1293 EA 2" Polypropylene, Electrofusion Coupling.....	124.38	11.83
22 11 16 00-1294 EA 2-1/2" Polypropylene, Electrofusion Coupling.....	151.81	16.22
22 11 16 00-1295 EA 3" Polypropylene, Electrofusion Coupling.....	189.73	18.70
22 11 16 00-1296 EA 3-1/2" Polypropylene, Electrofusion Coupling.....	258.12	20.89
22 11 16 00-1297 EA 4" Polypropylene, Electrofusion Coupling.....	318.46	23.08
22 11 16 00-1298 Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow (22 11 16 00-1078)		
22 11 16 00-1299 EA 1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow.....	33.35	10.62
22 11 16 00-1300 EA 3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow.....	40.17	11.02
22 11 16 00-1301 Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow (22 11 16 00-1078)		
22 11 16 00-1302 EA 1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow.....	36.26	10.62
22 11 16 00-1303 Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test (22 11 16 00-1078)		
22 11 16 00-1304 EA 1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	9.38	3.87
22 11 16 00-1305 EA 3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	10.21	4.04
22 11 16 00-1306 Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece (22 11 16 00-1078)		
22 11 16 00-1307 EA 1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	25.83	7.73
22 11 16 00-1308 EA 1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	29.12	7.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-1309	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	26.64	8.14
	22 11 16 00-1310	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	29.93	8.14
	22 11 16 00-1311	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	34.41	9.70
22 11 16 00-1312			Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece <small>(22 11 16 00-1078)</small>		
	22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	31.73	7.73
	22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	34.51	7.73
	22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	32.54	8.14
	22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	35.32	8.14
	22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	41.34	9.70
	22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	63.96	9.70
	22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	67.69	10.44
	22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	91.31	10.44
	22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	95.96	11.60
	22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	104.87	11.60
	22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	113.13	11.83
	22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	150.12	11.83
	22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	164.46	16.22
22 11 16 00-1326			Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece <small>(22 11 16 00-1078)</small>		
	22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	39.87	7.73
	22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	43.36	7.73
	22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	40.68	8.14
	22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	44.17	8.14
	22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	52.35	9.70
22 11 16 00-1332			Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece <small>(22 11 16 00-1078)</small>		
	22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	33.36	7.73
	22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	35.92	7.73
	22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	36.73	8.14
	22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	53.69	9.70
	22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	77.13	9.70
	22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	56.45	10.44
	22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	82.32	10.44
	22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	86.66	11.60
	22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	101.39	11.60
	22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	116.28	11.83
	22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	131.98	11.83
	22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	143.36	16.22
	22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	198.49	16.22
	22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	296.37	18.70
	22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	572.71	20.89
22 11 16 00-1348			Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow <small>(22 11 16 00-1078)</small>		
	22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	33.58	7.73
	22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	27.57	7.73
	22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	34.39	8.14
	22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	28.38	8.14
	22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	39.45	9.70
	22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow.....	62.79	9.70
22 11 16 00-1355			Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow <small>(22 11 16 00-1078)</small>		
	22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow.....	27.57	7.73
22 11 16 00-1357			Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow <small>(22 11 16 00-1078)</small>		
	22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	30.57	7.73
	22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	32.51	7.73
	22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	33.32	8.14
	22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	41.67	9.70
	22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow.....	59.02	9.70
22 11 16 00-1363			Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee <small>(22 11 16 00-1078)</small>		
	22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	37.54	11.60
	22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	42.29	11.60
	22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	38.69	12.17
	22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	43.44	12.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1368 EA 1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	51.25	14.49
22 11 16 00-1369 EA 1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	72.57	14.49
22 11 16 00-1370 EA 1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee.....	83.94	17.43
22 11 16 00-1371 Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee (22 11 16 00-1078)		
22 11 16 00-1372 EA 1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee.....	40.74	11.60
22 11 16 00-1373 Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting (22 11 16 00-1078)		
22 11 16 00-1374 EA 1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting.....	30.70	3.87
22 11 16 00-1375 Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT (22 11 16 00-1078)		
22 11 16 00-1376 EA 1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT.....	26.37	
22 11 16 00-1377 EA 3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT.....	34.29	
22 11 16 00-1378 EA 1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT.....	47.59	
22 11 16 00-1379 Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT (22 11 16 00-1078)		
22 11 16 00-1380 EA 1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT.....	31.02	
22 11 16 00-1381 EA 3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT.....	42.90	
22 11 16 00-1382 Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor (22 11 16 00-1078)		
22 11 16 00-1383 EA 1/2" Polypropylene, Heat Fusion, PEX Adaptor.....	21.19	3.87
22 11 16 00-1384 EA 3/4" Polypropylene, Heat Fusion, PEX Adaptor.....	32.63	4.04
22 11 16 00-1385 EA 1" Polypropylene, Heat Fusion, PEX Adaptor.....	42.96	4.84
22 11 16 00-1386 Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body (22 11 16 00-1078)		
22 11 16 00-1387 EA 1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body.....	27.36	8.48
22 11 16 00-1388 EA 3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body.....	28.28	8.95
22 11 16 00-1389 EA 1" Polypropylene, Heat Fusion, FIP Stop Valve Body.....	41.09	10.62
22 11 16 00-1390 EA 1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body.....	65.45	11.49
22 11 16 00-1391 Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve (22 11 16 00-1078)		
22 11 16 00-1392 EA 1/2" Polypropylene, Heat Fusion, Inclined Check Valve.....	87.34	8.48
22 11 16 00-1393 EA 3/4" Polypropylene, Heat Fusion, Inclined Check Valve.....	88.26	8.95
22 11 16 00-1394 EA 1" Polypropylene, Heat Fusion, Inclined Check Valve.....	105.51	10.62
22 11 16 00-1395 EA 1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve.....	176.04	11.49
22 11 16 00-1396 Polypropylene Random (PP-R), Heat Fusion, Ball Valve (22 11 16 00-1078)		
22 11 16 00-1397 EA 1/2" Polypropylene, Heat Fusion, Ball Valve.....	80.45	8.48
22 11 16 00-1398 EA 3/4" Polypropylene, Heat Fusion, Ball Valve.....	89.36	8.95
22 11 16 00-1399 EA 1" Polypropylene, Heat Fusion, Ball Valve.....	108.50	10.62
22 11 16 00-1400 EA 1-1/4" Polypropylene, Heat Fusion, Ball Valve.....	154.92	11.49
22 11 16 00-1401 EA 1-1/2" Polypropylene, Heat Fusion, Ball Valve.....	227.20	12.76
22 11 16 00-1402 EA 2" Polypropylene, Heat Fusion, Ball Valve.....	348.67	13.05
22 11 16 00-1403 Extension For Ball Valve (22 11 16 00-1078)		
22 11 16 00-1404 EA Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length.....	42.02	
22 11 16 00-1405 EA Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length.....	42.09	
22 11 16 00-1406 EA Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length.....	46.18	
22 11 16 00-1407 Polypropylene Random (PP-R), Heat Fusion, Draining Branch (22 11 16 00-1078)		
22 11 16 00-1408 EA 1/2" Polypropylene, Heat Fusion, Draining Branch.....	37.19	7.73
22 11 16 00-1409 EA 3/4" Polypropylene, Heat Fusion, Draining Branch.....	38.00	8.14
22 11 16 00-1410 EA 1" Polypropylene, Heat Fusion, Draining Branch.....	43.42	9.70
22 11 16 00-1411 EA 1-1/4" Polypropylene, Heat Fusion, Draining Branch.....	44.92	10.44
22 11 16 00-1412 EA 1-1/2" Polypropylene, Heat Fusion, Draining Branch.....	49.24	11.60
22 11 16 00-1413 EA 2" Polypropylene, Heat Fusion, Draining Branch.....	53.18	11.83
22 11 16 00-1414 Red Brass Pipe And Fittings (22 11 16)		
Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1415 Schedule 40 Red Brass Pipe (22 11 16 00-1414)		
22 11 16 00-1416 LF 1/2" Schedule 40 Red Brass Pipe.....	29.31	2.39
22 11 16 00-1417 LF 3/4" Schedule 40 Red Brass Pipe.....	38.71	2.39
22 11 16 00-1418 LF 1" Schedule 40 Red Brass Pipe.....	52.71	2.39
22 11 16 00-1419 LF 1-1/4" Schedule 40 Red Brass Pipe.....	77.16	2.62
22 11 16 00-1420 LF 1-1/2" Schedule 40 Red Brass Pipe.....	88.84	2.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1421	LF		2" Schedule 40 Red Brass Pipe.....	113.82	3.42
22 11 16 00-1422	LF		2-1/2" Schedule 40 Red Brass Pipe.....	165.38	3.87
22 11 16 00-1423	LF		3" Schedule 40 Red Brass Pipe.....	233.45	4.10
22 11 16 00-1424	LF		4" Schedule 40 Red Brass Pipe.....	334.44	4.10
22 11 16 00-1425			125 LB Cast Bronze, Screwed, 90 Degree Elbows (22 11 16 00-1414)		
22 11 16 00-1426	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	65.69	28.36
22 11 16 00-1427	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	74.37	31.20
22 11 16 00-1428	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	93.24	36.90
22 11 16 00-1429	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	110.95	39.64
22 11 16 00-1430	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	124.11	42.48
22 11 16 00-1431	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	153.79	45.33
22 11 16 00-1432	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	259.15	56.71
22 11 16 00-1433	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	358.65	67.99
22 11 16 00-1434	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	632.09	90.65
22 11 16 00-1435			125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1414)		
22 11 16 00-1436	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	68.70	28.36
22 11 16 00-1437	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	78.74	31.20
22 11 16 00-1438	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	102.39	36.90
22 11 16 00-1439	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	122.94	39.64
22 11 16 00-1440	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	140.62	42.48
22 11 16 00-1441	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	189.85	45.33
22 11 16 00-1442	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	289.18	56.71
22 11 16 00-1443	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	450.98	67.99
22 11 16 00-1444	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	893.37	90.65
22 11 16 00-1445			125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1414)		
22 11 16 00-1446	EA		1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	67.22	28.36
22 11 16 00-1447	EA		3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	77.36	31.20
22 11 16 00-1448	EA		1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	99.26	36.90
22 11 16 00-1449	EA		1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	119.96	39.64
22 11 16 00-1450	EA		1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	136.11	42.48
22 11 16 00-1451	EA		2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	173.32	45.33
22 11 16 00-1452	EA		2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	271.12	56.71
22 11 16 00-1453	EA		3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	379.15	67.99
22 11 16 00-1454	EA		4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	832.66	90.65
22 11 16 00-1455			125 LB Cast Bronze, Screwed, Tees (22 11 16 00-1414)		
22 11 16 00-1456	EA		1/2" 125 LB Cast Bronze, Screwed, Tee.....	95.56	42.48
22 11 16 00-1457	EA		3/4" 125 LB Cast Bronze, Screwed, Tee.....	107.97	46.47
22 11 16 00-1458	EA		1" 125 LB Cast Bronze, Screwed, Tee.....	137.03	55.01
22 11 16 00-1459	EA		1-1/4" 125 LB Cast Bronze, Screwed, Tee.....	165.62	59.56
22 11 16 00-1460	EA		1-1/2" 125 LB Cast Bronze, Screwed, Tee.....	179.56	63.43
22 11 16 00-1461	EA		2" 125 LB Cast Bronze, Screwed, Tee.....	223.17	67.99
22 11 16 00-1462	EA		2-1/2" 125 LB Cast Bronze, Screwed, Tee.....	368.36	85.07
22 11 16 00-1463	EA		3" 125 LB Cast Bronze, Screwed, Tee.....	507.23	102.04
22 11 16 00-1464	EA		4" 125 LB Cast Bronze, Screwed, Tee.....	1,023.26	135.98
22 11 16 00-1465			125 LB Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1414)		
22 11 16 00-1466	EA		1/2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	100.05	42.48
22 11 16 00-1467	EA		3/4" 125 LB Cast Bronze, Screwed, Reducing Tee.....	111.00	46.47
22 11 16 00-1468	EA		1" 125 LB Cast Bronze, Screwed, Reducing Tee.....	149.05	55.01
22 11 16 00-1469	EA		1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee.....	174.63	59.56
22 11 16 00-1470	EA		1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	203.60	63.43
22 11 16 00-1471	EA		2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	260.73	67.99
22 11 16 00-1472	EA		2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee.....	441.41	85.07
22 11 16 00-1473	EA		3" 125 LB Cast Bronze, Screwed, Reducing Tee.....	824.67	102.04
22 11 16 00-1474	EA		4" 125 LB Cast Bronze, Screwed, Reducing Tee.....	1,273.65	135.98
22 11 16 00-1475			125 LB Cast Bronze, Screwed, Crosses (22 11 16 00-1414)		
22 11 16 00-1476	EA		1/2" 125 LB Cast Bronze, Screwed, Cross.....	134.42	56.71
22 11 16 00-1477	EA		3/4" 125 LB Cast Bronze, Screwed, Cross.....	154.75	62.30
22 11 16 00-1478	EA		1" 125 LB Cast Bronze, Screwed, Cross.....	193.95	73.69
22 11 16 00-1479	EA		1-1/4" 125 LB Cast Bronze, Screwed, Cross.....	237.53	79.38
22 11 16 00-1480	EA		1-1/2" 125 LB Cast Bronze, Screwed, Cross.....	278.62	85.07
22 11 16 00-1481	EA		2" 125 LB Cast Bronze, Screwed, Cross.....	398.47	90.65
22 11 16 00-1482	EA		2-1/2" 125 LB Cast Bronze, Screwed, Cross.....	637.44	113.31
22 11 16 00-1483	EA		3" 125 LB Cast Bronze, Screwed, Cross.....	874.54	135.98
22 11 16 00-1484	EA		4" 125 LB Cast Bronze, Screwed, Cross.....	1,594.92	181.42
22 11 16 00-1485			125 LB Cast Bronze, Screwed, Caps (22 11 16 00-1414)		
22 11 16 00-1486	EA		1/2" 125 LB Cast Bronze, Screwed, Cap.....	31.51	16.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1487 EA 3/4" 125 LB Cast Bronze, Screwed, Cap	35.59	18.56
22 11 16 00-1488 EA 1" 125 LB Cast Bronze, Screwed, Cap	46.79	21.86
22 11 16 00-1489 EA 1-1/4" 125 LB Cast Bronze, Screwed, Cap	59.75	23.57
22 11 16 00-1490 EA 1-1/2" 125 LB Cast Bronze, Screwed, Cap	69.84	25.28
22 11 16 00-1491 EA 2" 125 LB Cast Bronze, Screwed, Cap	94.91	26.99
22 11 16 00-1492 EA 2-1/2" 125 LB Cast Bronze, Screwed, Cap	150.15	33.71
22 11 16 00-1493 EA 3" 125 LB Cast Bronze, Screwed, Cap	214.49	40.43
22 11 16 00-1494 EA 4" 125 LB Cast Bronze, Screwed, Cap	373.92	53.86
22 11 16 00-1495 125 LB Cast Bronze, Screwed, Couplings <small>(22 11 16 00-1414)</small>		
22 11 16 00-1496 EA 1/2" 125 LB Cast Bronze, Screwed, Coupling	64.21	28.36
22 11 16 00-1497 EA 3/4" 125 LB Cast Bronze, Screwed, Coupling	72.89	31.20
22 11 16 00-1498 EA 1" 125 LB Cast Bronze, Screwed, Coupling	91.73	36.90
22 11 16 00-1499 EA 1-1/4" 125 LB Cast Bronze, Screwed, Coupling	109.42	39.64
22 11 16 00-1500 EA 1-1/2" 125 LB Cast Bronze, Screwed, Coupling	124.11	42.48
22 11 16 00-1501 EA 2" 125 LB Cast Bronze, Screwed, Coupling	155.30	45.33
22 11 16 00-1502 EA 2-1/2" 125 LB Cast Bronze, Screwed, Coupling	218.55	56.71
22 11 16 00-1503 EA 3" 125 LB Cast Bronze, Screwed, Coupling	281.81	67.99
22 11 16 00-1504 EA 4" 125 LB Cast Bronze, Screwed, Coupling	481.84	90.65
22 11 16 00-1505 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers <small>(22 11 16 00-1414)</small>		
22 11 16 00-1506 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	56.37	22.66
22 11 16 00-1507 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	64.32	25.51
22 11 16 00-1508 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	87.21	34.05
22 11 16 00-1509 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	103.65	36.90
22 11 16 00-1510 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	117.11	39.64
22 11 16 00-1511 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	140.86	42.48
22 11 16 00-1512 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	204.16	53.86
22 11 16 00-1513 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	247.24	62.30
22 11 16 00-1514 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	426.44	82.23
22 11 16 00-1515 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers <small>(22 11 16 00-1414)</small>		
22 11 16 00-1516 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	57.61	22.66
22 11 16 00-1517 EA 1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	102.71	31.20
22 11 16 00-1518 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	133.80	34.05
22 11 16 00-1519 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	156.24	36.90
22 11 16 00-1520 EA 2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	207.50	42.48
22 11 16 00-1521 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	317.78	53.86
22 11 16 00-1522 EA 3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	382.80	56.71
22 11 16 00-1523 EA 4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	435.86	73.69
22 11 16 00-1524 125 LB Cast Bronze, FIP Threaded, Unions <small>(22 11 16 00-1414)</small>		
22 11 16 00-1525 EA 1/2" 125 LB Cast Bronze, FIP Threaded, Union	69.39	22.66
<i>For 150 LB, Add</i>	9.62	
22 11 16 00-1526 EA 3/4" 125 LB Cast Bronze, FIP Threaded, Union	82.92	24.94
<i>For 150 LB, Add</i>	13.22	
22 11 16 00-1527 EA 1" 125 LB Cast Bronze, FIP Threaded, Union	102.53	29.49
<i>For 150 LB, Add</i>	17.43	
22 11 16 00-1528 EA 1-1/4" 125 LB Cast Bronze, FIP Threaded, Union	126.56	31.78
<i>For 150 LB, Add</i>	25.23	
22 11 16 00-1529 EA 1-1/2" 125 LB Cast Bronze, FIP Threaded, Union	143.17	34.05
<i>For 150 LB, Add</i>	30.06	
22 11 16 00-1530 EA 2" 125 LB Cast Bronze, FIP Threaded, Union	168.88	38.50
<i>For 150 LB, Add</i>	36.72	
22 11 16 00-1531 EA 2-1/2" 125 LB Cast Bronze, FIP Threaded, Union	290.38	56.95
<i>For 150 LB, Add</i>	70.60	
<i>For 250 LB, Add</i>	150.02	
<i>For 300 LB, Add</i>	211.79	
22 11 16 00-1532 EA 3" 125 LB Cast Bronze, FIP Threaded, Union	422.45	74.88
<i>For 150 LB, Add</i>	109.08	
<i>For 250 LB, Add</i>	231.79	
<i>For 300 LB, Add</i>	327.23	
22 11 16 00-1533 EA 4" 125 LB Cast Bronze, FIP Threaded, Union	767.44	82.91
<i>For 150 LB, Add</i>	240.60	
<i>For 250 LB, Add</i>	511.28	
<i>For 300 LB, Add</i>	721.80	
22 11 16 00-1534 125 LB Cast Bronze, Screwed, Companion Flanges <small>(22 11 16 00-1414)</small>		
<small>Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.</small>		
22 11 16 00-1535 EA 1/2" 125 LB Cast Bronze, Screwed, Companion Flange	189.87	28.36
22 11 16 00-1536 EA 3/4" 125 LB Cast Bronze, Screwed, Companion Flange	207.35	34.05
22 11 16 00-1537 EA 1" 125 LB Cast Bronze, Screwed, Companion Flange	237.78	39.64
22 11 16 00-1538 EA 1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange	270.77	42.48
22 11 16 00-1539 EA 1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	320.12	45.33
22 11 16 00-1540 EA 2" 125 LB Cast Bronze, Screwed, Companion Flange	402.32	48.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1541 EA 2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	506.72	56.71
22 11 16 00-1542 EA 3" 125 LB Cast Bronze, Screwed, Companion Flange	627.93	70.84
22 11 16 00-1543 EA 4" 125 LB Cast Bronze, Screwed, Companion Flange	894.92	99.20
22 11 16 00-1544 125 LB Cast Bronze, Screwed, Square Head Plugs (22 11 16 00-1414)		
22 11 16 00-1545 EA 1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	19.16	
22 11 16 00-1546 EA 3/4" 125 LB Cast Bronze, Screwed, Square Head Plug	19.64	
22 11 16 00-1547 EA 1" 125 LB Cast Bronze, Screwed, Square Head Plug	30.24	
22 11 16 00-1548 EA 1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug	34.76	
22 11 16 00-1549 EA 1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	39.42	
22 11 16 00-1550 EA 2" 125 LB Cast Bronze, Screwed, Square Head Plug	59.04	
22 11 16 00-1551 EA 2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	88.98	
22 11 16 00-1552 EA 3" 125 LB Cast Bronze, Screwed, Square Head Plug	129.88	
22 11 16 00-1553 EA 4" 125 LB Cast Bronze, Screwed, Square Head Plug	217.16	
22 11 16 00-1554 125 LB Cast Bronze, Screwed, Counter Sunk Plugs (22 11 16 00-1414)		
22 11 16 00-1555 EA 1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	7.53	
22 11 16 00-1556 EA 3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	9.01	
22 11 16 00-1557 EA 1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	13.55	
22 11 16 00-1558 EA 1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	21.05	
22 11 16 00-1559 EA 1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	33.33	
22 11 16 00-1560 EA 2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	51.66	
22 11 16 00-1561 EA 2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	100.55	
22 11 16 00-1562 EA 3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	162.84	
22 11 16 00-1563 EA 4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	397.15	
22 11 16 00-1564 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings (22 11 16 00-1414)		
22 11 16 00-1565 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.00	
22 11 16 00-1566 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.53	
22 11 16 00-1567 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	10.54	
22 11 16 00-1568 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.04	
22 11 16 00-1569 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	25.57	
22 11 16 00-1570 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	31.59	
22 11 16 00-1571 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	79.64	
22 11 16 00-1572 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	117.23	
22 11 16 00-1573 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	256.77	
22 11 16 00-1574 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings (22 11 16 00-1414)		
22 11 16 00-1575 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	10.54	
22 11 16 00-1576 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.01	
22 11 16 00-1577 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	26.16	
22 11 16 00-1578 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	35.53	
22 11 16 00-1579 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	44.42	
22 11 16 00-1580 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	55.96	
22 11 16 00-1581 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	114.26	
22 11 16 00-1582 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	180.78	
22 11 16 00-1583 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	379.90	
22 11 16 00-1584 1/2" Red Brass Pipe Nipples (22 11 16 00-1414)		
Note: Threaded both ends.		
22 11 16 00-1585 EA 1/2" x Close, Red Brass Pipe Nipple	10.57	
22 11 16 00-1586 EA 1/2" x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1587 EA 1/2" x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1588 EA 1/2" x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1589 EA 1/2" x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1590 EA 1/2" x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1591 EA 1/2" x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1592 EA 1/2" x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1593 EA 1/2" x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1594 EA 1/2" x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1595 EA 1/2" x 6" Long, Red Brass Pipe Nipple	39.07	
22 11 16 00-1596 3/4" Red Brass Pipe Nipples (22 11 16 00-1414)		
Note: Threaded both ends.		
22 11 16 00-1597 EA 3/4" x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1598 EA 3/4" x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1599 EA 3/4" x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1600 EA 3/4" x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1601 EA 3/4" x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1602 EA 3/4" x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1603 EA 3/4" x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1604 EA 3/4" x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1605 EA 3/4" x 5" Long, Red Brass Pipe Nipple	41.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1606	EA		3/4" x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1607	EA		3/4" x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1608			1" Red Brass Pipe Nipples (22 11 16 00-1414)		
			Note: Threaded both ends.		
22 11 16 00-1609	EA		1" x Close, Red Brass Pipe Nipple.....	23.49	
22 11 16 00-1610	EA		1" x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1611	EA		1" x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1612	EA		1" x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1613	EA		1" x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1614	EA		1" x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1615	EA		1" x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1616	EA		1" x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1617	EA		1" x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1618	EA		1" x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1619	EA		1" x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1620			1-1/4" Red Brass Pipe Nipples (22 11 16 00-1414)		
			Note: Threaded both ends.		
22 11 16 00-1621	EA		1-1/4" x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1622	EA		1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1623	EA		1-1/4" x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1624	EA		1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1625	EA		1-1/4" x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1626	EA		1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1627	EA		1-1/4" x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1628	EA		1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1629	EA		1-1/4" x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1630	EA		1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1631	EA		1-1/4" x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1632			1-1/2" Red Brass Pipe Nipples (22 11 16 00-1414)		
			Note: Threaded both ends.		
22 11 16 00-1633	EA		1-1/2" x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1634	EA		1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1635	EA		1-1/2" x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1636	EA		1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1637	EA		1-1/2" x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1638	EA		1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1639	EA		1-1/2" x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1640	EA		1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1641	EA		1-1/2" x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1642	EA		1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1643	EA		1-1/2" x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1644			2" Red Brass Pipe Nipples (22 11 16 00-1414)		
			Note: Threaded both ends.		
22 11 16 00-1645	EA		2" x Close, Red Brass Pipe Nipple.....	66.45	
22 11 16 00-1646	EA		2" x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1647	EA		2" x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1648	EA		2" x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1649	EA		2" x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1650	EA		2" x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1651	EA		2" x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1652	EA		2" x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1653	EA		2" x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1654	EA		2" x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1655	EA		2" x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1656			Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16)		
			Note: Aboveground, domestic water usage.		
22 11 16 00-1657			Cross-Linked Polyethylene Tubing (22 11 16 00-1656)		
22 11 16 00-1658	LF		3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	5.84	
			For Work In Restricted Working Space, Add	1.07	
22 11 16 00-1659	LF		1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	6.40	
			For Work In Restricted Working Space, Add	1.16	
22 11 16 00-1660	LF		3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	8.80	
			For Work In Restricted Working Space, Add	1.25	
22 11 16 00-1661	LF		1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing.....	12.34	
			For Work In Restricted Working Space, Add	1.32	
22 11 16 00-1662			Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1656)		
			Note: Aboveground, domestic water usage.		
22 11 16 00-1663			Male Adapters (22 11 16 00-1662)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1664	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.82 5.57	
22 11 16 00-1665	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.78 5.93	
22 11 16 00-1666	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.48 6.31	
22 11 16 00-1667	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.71 6.68	
22 11 16 00-1668	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.48 6.31	
22 11 16 00-1669	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	39.64 7.42	
22 11 16 00-1670			Female Adapters (22 11 16 00-1662)		
22 11 16 00-1671	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.51 5.93	
22 11 16 00-1672	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.49 6.31	
22 11 16 00-1673	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.72 6.68	
22 11 16 00-1674	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.49 6.31	
22 11 16 00-1675	EA		1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	40.55 7.42	
22 11 16 00-1676			Tube Adapters (22 11 16 00-1662)		
22 11 16 00-1677	EA		3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.84 5.57	
22 11 16 00-1678	EA		1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.07 5.93	
22 11 16 00-1679	EA		3/4" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.33 6.68	
22 11 16 00-1680	EA		1" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	37.76 7.42	
22 11 16 00-1681			Plugs (22 11 16 00-1662)		
22 11 16 00-1682	EA		3/8" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	11.21 2.60	
22 11 16 00-1683	EA		1/2" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	12.46 2.97	
22 11 16 00-1684	EA		3/4" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	14.42 3.34	
22 11 16 00-1685	EA		1" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.45 3.71	
22 11 16 00-1686			Tees (22 11 16 00-1662)		
22 11 16 00-1687	EA		3/8" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.32 7.79	
22 11 16 00-1688	EA		1/2" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.03 8.90	
22 11 16 00-1689	EA		3/4" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	42.40 10.02	
22 11 16 00-1690	EA		1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	56.40 11.13	
22 11 16 00-1691	EA		1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.79 8.53	
22 11 16 00-1692	EA		3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	39.93 9.28	
22 11 16 00-1693	EA		1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	51.23 10.02	
22 11 16 00-1694			Couplings (22 11 16 00-1662)		
22 11 16 00-1695	EA		3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.06 5.20	
22 11 16 00-1696	EA		1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.71 5.93	
22 11 16 00-1697	EA		3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.09 6.68	
22 11 16 00-1698	EA		1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.83 7.42	
22 11 16 00-1699	EA		3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.86 6.31	
22 11 16 00-1700	EA		1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.60 7.05	
22 11 16 00-1701			Fitting Reducers (22 11 16 00-1662)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1702 EA 3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.39 5.57	
22 11 16 00-1703 EA 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.62 5.93	
22 11 16 00-1704 EA 3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.43 6.68	
22 11 16 00-1705 EA 1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	44.03 7.42	
22 11 16 00-1706 90 Degree Elbows <small>(22 11 16 00-1662)</small>		
22 11 16 00-1707 EA 3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.71 5.20	
22 11 16 00-1708 EA 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.17 5.93	
22 11 16 00-1709 EA 3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.43 6.68	
22 11 16 00-1710 EA 3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.20 6.31	
22 11 16 00-1711 EA 1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.60 5.93	
22 11 16 00-1712 EA 3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	39.72 6.68	
22 11 16 00-1713 EA 3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	38.49 6.31	
22 11 19 Domestic Water Piping Specialties <small>(22 11)</small>		
22 11 19 00-0001 Rubber Hose And Clamps <small>(22 11 19)</small>		
22 11 19 00-0002 General Purpose Hose <small>(22 11 19 00-0001)</small>		
Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003 LF 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.15	2.46
22 11 19 00-0004 LF 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	10.93	2.46
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.63	2.46
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.77	2.46
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	19.25	3.68
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	32.86	3.68
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	35.68	4.92
22 11 19 00-0010 LF 2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	70.18	4.92
22 11 19 00-0011 Reinforced EPDM Water Hose Assembly <small>(22 11 19 00-0001)</small>		
Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	94.13	4.92
22 11 19 00-0013 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	111.26	4.92
22 11 19 00-0014 LF 3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	156.52	6.05
22 11 19 00-0015 LF 4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	220.43	8.17
22 11 19 00-0016 Chemical Resistant Rubber Hoses <small>(22 11 19 00-0001)</small>		
22 11 19 00-0017 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,276.34	310.48
22 11 19 00-0018 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,705.73	310.48
22 11 19 00-0019 Water Pump Hose <small>(22 11 19 00-0001)</small>		
22 11 19 00-0020 EA 2" Inside Diameter, 20' Rubber Discharge Hose	772.85	75.09
22 11 19 00-0021 EA 2" Inside Diameter, 20' Rubber Intake Hose	821.02	75.09
22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling <small>(22 11 19 00-0001)</small>		
22 11 19 00-0023 EA 3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	30.49	10.32
22 11 19 00-0024 EA 1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.36	11.06
22 11 19 00-0025 EA 5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	34.64	11.80
22 11 19 00-0026 EA 3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	39.44	13.27
22 11 19 00-0027 EA 1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	47.14	16.22
22 11 19 00-0028 EA 1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	55.88	19.42
22 11 19 00-0029 EA 1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	72.04	25.56
22 11 19 00-0030 EA 2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	90.68	31.96
22 11 19 00-0031 Worm-Drive Hose Clamp <small>(22 11 19 00-0001)</small>		
22 11 19 00-0032 EA 3/8" To 1" Diameter Worm Drive Hose Clamp	13.91	3.68
22 11 19 00-0033 EA 1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	14.68	3.68
22 11 19 00-0034 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	15.48	3.68
22 11 19 00-0035 EA 3/4" To 2" Diameter Worm Drive Hose Clamp	16.45	3.68
22 11 19 00-0036 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp	17.54	3.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0037 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	19.10	4.92
22 11 19 00-0038 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	20.55	4.92
22 11 19 00-0039 Trap Primer And Accessories (22 11 19)		
22 11 19 00-0040 Trap Primer (22 11 19 00-0039)		
22 11 19 00-0041 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	329.09	18.55
22 11 19 00-0042 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	201.65	12.37
22 11 19 00-0043 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	195.22	12.37
22 11 19 00-0044 Trap Primer Distribution Unit (22 11 19 00-0039)		
22 11 19 00-0045 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	166.57	24.73
Note: Can be used for two, three or four drains.		
22 11 19 00-0046 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	183.88	24.73
Note: Can be used for two, three or four drains.		
22 11 19 00-0047 Trap Primer Manifold (22 11 19 00-0039)		
22 11 19 00-0048 EA Two Outlet Trap Primer Manifold.....	263.81	33.26
22 11 19 00-0049 EA Four Outlet Trap Primer Manifold.....	400.44	37.83
22 11 19 00-0050 EA Six Outlet Trap Primer Manifold.....	534.12	40.06
22 11 19 00-0051 EA Eight Outlet Trap Primer Manifold.....	672.29	46.99
22 11 19 00-0052 Sewage Air Release Valves (22 11 19)		
22 11 19 00-0053 Cast Iron, Sewage Air Release Valves (22 11 19 00-0052)		
Note: Stainless steel float.		
22 11 19 00-0054 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	959.65	45.16
For Back Flush Attachment, Add	650.00	
22 11 19 00-0055 EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	1,180.69	75.47
For Back Flush Attachment, Add	650.00	
22 11 19 00-0056 EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	1,497.13	95.27
For Back Flush Attachment, Add	650.00	
22 11 19 00-0057 Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0052)		
Note: Stainless steel float.		
22 11 19 00-0058 EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401).....	980.35	45.16
For Back Flush Attachment, Add	650.00	
22 11 19 00-0059 EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402).....	1,916.95	45.16
For Back Flush Attachment, Add	650.00	
22 11 19 00-0060 EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403).....	2,303.57	75.47
For Back Flush Attachment, Add	650.00	
22 11 19 00-0061 EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	3,409.14	95.27
22 11 19 00-0062 Cast Iron, Sewage Combination Air Valves (22 11 19 00-0052)		
Note: Stainless steel float.		
22 11 19 00-0063 EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	2,087.72	45.16
22 11 19 00-0064 EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,876.84	45.16
22 11 19 00-0065 EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	3,369.54	75.47
22 11 19 00-0066 EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	4,120.65	95.27
22 11 19 00-0067 Brass, Anti Siphon Vacuum Breakers (22 11 19)		
Note: Watts 288A		
22 11 19 00-0068 EA 1/2" Brass, Anti Siphon Vacuum Breaker.....	116.61	30.92
22 11 19 00-0069 EA 3/4" Brass, Anti Siphon Vacuum Breaker.....	134.11	34.62
22 11 19 00-0070 EA 1" Brass, Anti Siphon Vacuum Breaker.....	278.05	39.57
22 11 19 00-0071 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker.....	444.08	45.75
22 11 19 00-0072 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker.....	530.55	50.70
22 11 19 00-0073 EA 2" Brass, Anti Siphon Vacuum Breaker.....	777.91	61.82
22 11 19 00-0074 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker.....	2,048.72	77.28
22 11 19 00-0075 Anti Siphon Pressure Vacuum Breakers (22 11 19)		
Note: Watts 800M4QT		
22 11 19 00-0076 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker.....	348.69	30.92
22 11 19 00-0077 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker.....	304.08	34.62
22 11 19 00-0078 EA 1" Anti Siphon Pressure Type Vacuum Breaker.....	435.90	39.57
22 11 19 00-0079 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	791.37	45.75
22 11 19 00-0080 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	963.94	50.70
22 11 19 00-0081 EA 2" Anti Siphon Pressure Type Vacuum Breaker.....	972.05	61.82
22 11 19 00-0082 Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0083 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	168.63	14.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0084 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	319.25	17.89
22 11 19 00-0085 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	459.08	17.89
22 11 19 00-0086 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,097.41	17.89
22 11 19 00-0087 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	1,230.59	17.89
22 11 19 00-0088 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	1,504.40	17.89
22 11 19 00-0089 Piston Type Water Hammer Arrestors <small>(22 11 19)</small>		
22 11 19 00-0090 Threaded Piston Type Water Hammer Arrestors <small>(22 11 19 00-0089)</small>		
22 11 19 00-0091 EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	193.92	8.24
22 11 19 00-0092 EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	373.90	9.51
22 11 19 00-0093 EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	556.52	10.30
22 11 19 00-0094 EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,371.77	13.29
22 11 19 00-0095 EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,670.69	16.49
22 11 19 00-0096 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,901.30	17.89
22 11 19 00-0097 Wall Hydrants <small>(22 11 19)</small>		
Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0098 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0097)</small>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0099 EA 6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,177.77	30.92
<i>For Cast Bronze Box, Add</i>		
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0100 EA 12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,235.10	37.10
<i>For Cast Bronze Box, Add</i>		
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0101 EA 18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,260.42	44.64
<i>For Cast Bronze Box, Add</i>		
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0102 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0097)</small>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0103 EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,142.82	51.94
<i>For Cast Bronze Box, Add</i>		
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0104 Cast Bronze Non-Freezing Wall Hydrant <small>(22 11 19 00-0097)</small>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0105 EA 3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	598.82	38.33
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0106 EA 4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	756.54	38.33
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0107 EA 6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	756.54	38.33
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0108 EA 8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	756.54	38.33
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0109 EA 10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	793.25	77.28
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0110 EA 12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	793.25	77.28
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0111 EA 18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	903.05	77.28
<i>For 1" NPT Outlet, Add</i>		
22 11 19 00-0112 Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0097)</small>		
Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0113 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	565.76	30.92
22 11 19 00-0114 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	620.78	30.92
22 11 19 00-0115 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	628.29	30.92
22 11 19 00-0116 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	710.83	30.92
22 11 19 00-0117 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	1,009.08	43.28
Note: Includes hot and cold hose connections.		
22 11 19 00-0118 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146).....	1,041.59	43.28
Note: Includes hot and cold hose connections.		
22 11 19 00-0119 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	1,041.59	43.28
Note: Includes hot and cold hose connections.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0120 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	1,119.13	43.28
22 11 19 00-0121 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0122 Dryer Vent Kit (22 11 19 00-0121) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0123 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	85.26	16.07
22 11 19 00-0124 Washer Boxes And Dryer Vents (22 11 19 00-0121) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0125 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	301.30	24.73
22 11 19 00-0126 Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0127 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	160.81	24.73
22 11 19 00-0128 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	163.76	24.73
22 11 19 00-0129 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	240.66	24.73
22 11 19 00-0130 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0131 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0132 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	577.44	29.94
22 11 19 00-0133 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	144.29	29.94
22 11 19 00-0134 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	325.82	29.94
22 11 19 00-0135 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	372.68	40.33
22 11 19 00-0136 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0137 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,576.92	43.18
22 11 19 00-0138 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,768.91	53.18
22 11 19 00-0139 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,127.07	61.86
22 11 19 00-0140 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,760.81	65.02
22 11 19 00-0141 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,707.21	84.36
22 11 19 00-0142 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0130) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0143 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,030.12	66.50
22 11 19 00-0144 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,247.54	77.33
22 11 19 00-0145 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	6,121.99	81.28
22 11 19 00-0146 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,778.70	105.44
22 11 19 00-0147 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0130) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0148 EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)..... Note: For hot water or two pipe low pressure steam.	1,142.39	43.18
22 11 19 00-0149 EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)..... Note: For hot water or two pipe low pressure steam.	1,344.46	53.18
22 11 19 00-0150 EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)..... Note: For hot water or two pipe low pressure steam.	1,653.15	61.86
22 11 19 00-0151 EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)..... Note: For hot water or two pipe low pressure steam.	2,023.60	65.04
22 11 19 00-0152 EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)..... Note: For hot water or two pipe low pressure steam.	3,009.06	84.36
22 11 19 00-0153 Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0130) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0154 EA 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,270.13	61.82
22 11 19 00-0155 EA 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,464.34	77.90
22 11 19 00-0156 EA 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,815.37	93.97
22 11 19 00-0157 EA 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,199.54	110.05
22 11 19 00-0158 EA 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,994.41	144.67



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0159 EA 2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,897.12	165.03
22 11 19 00-0160 Thermostatic Mixing Valves (Holby) <small>(22 11 19 00-0130)</small>		
22 11 19 00-0161 EA 2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	5,372.55	84.38
22 11 19 00-0162 Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0163 Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0162)</small>		
22 11 19 00-0164 Threaded Double Check Valve Assemblies <small>(22 11 19 00-0163)</small>		
22 11 19 00-0165 Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0164)</small>		
<small>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).</small>		
22 11 19 00-0166 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	479.08	33.14
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0167 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	564.77	46.99
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0168 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	650.94	57.37
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0169 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	912.53	66.77
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0170 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,130.58	76.67
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0171 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,301.34	98.92
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0172 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0164)</small>		
<small>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).</small>		
22 11 19 00-0173 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	592.46	33.14
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0174 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	730.83	46.99
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0175 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	854.52	57.37
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0176 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,202.60	66.77
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0177 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,472.23	76.67
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0178 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,773.02	98.92
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0179 Flanged Double Check Valve Assemblies <small>(22 11 19 00-0163)</small>		
22 11 19 00-0180 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small>		
<small>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).</small>		
22 11 19 00-0181 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,496.94	273.33
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0182 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,138.43	307.49
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		
22 11 19 00-0183 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small>		
<small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).</small>		
22 11 19 00-0184 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	7,120.27	273.33
<small>For Work In Restricted Working Space, Add</small>		
<small>For Owner Furnished Material, Deduct</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0185	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,177.31 121.29 -7,773.01	307.49
22 11 19 00-0186			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0187	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,541.89 109.33 -6,177.47	273.33
22 11 19 00-0188	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,983.70 121.30 -4,579.38	307.49
22 11 19 00-0189	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,803.27 182.12 -7,196.20	455.54
22 11 19 00-0190	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,835.95 360.42 -10,634.56	665.06
22 11 19 00-0191	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	27,091.86 540.71 -25,289.49	997.58
22 11 19 00-0192	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	34,806.16 643.60 -32,660.82	1,179.94
22 11 19 00-0193			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0194	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,119.65 182.11 -8,512.63	455.54
22 11 19 00-0195	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,144.12 360.42 -13,942.73	665.06
22 11 19 00-0196	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	40,449.89 643.60 -38,304.55	1,179.94
22 11 19 00-0197			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0198	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,949.69 109.33 -6,585.27	273.33
22 11 19 00-0199	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,636.16 121.29 -7,231.86	307.49
22 11 19 00-0200	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,280.79 182.11 -7,673.77	455.54
22 11 19 00-0201	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,866.45 360.42 -12,665.06	665.06
22 11 19 00-0202	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	28,777.87 540.63 -26,975.78	997.58
22 11 19 00-0203	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	36,981.97 643.60 -34,836.63	1,179.94
22 11 19 00-0204			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0205	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,132.46 109.33 -3,768.04	273.33
22 11 19 00-0206	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,549.36 121.29 -4,145.06	307.49
22 11 19 00-0207	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,129.10 182.11 -4,522.08	455.54
22 11 19 00-0208	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,272.30 360.42 -7,070.91	665.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0209	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,781.87 540.63 -13,979.78	997.58
22 11 19 00-0210	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,104.70 643.60 -14,959.36	1,179.94
22 11 19 00-0211 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0179)</small>					
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).					
22 11 19 00-0212	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,469.44 109.33 -5,105.02	273.33
22 11 19 00-0213	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,886.34 121.29 -5,482.04	307.49
22 11 19 00-0214	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,363.24 182.11 -6,756.22	455.54
22 11 19 00-0215	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,012.35 360.42 -10,810.96	665.06
22 11 19 00-0216	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	21,325.01 540.63 -19,522.92	997.58
22 11 19 00-0217	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	25,376.44 643.60 -23,231.10	1,179.94
22 11 19 00-0218 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves <small>(22 11 19 00-0179)</small>					
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).					
22 11 19 00-0219	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,866.54 109.33 -3,502.12	273.33
22 11 19 00-0220	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,295.53 121.29 -3,891.23	307.49
22 11 19 00-0221	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,887.21 182.11 -4,280.19	455.54
22 11 19 00-0222	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,082.28 360.42 -6,880.89	665.06
22 11 19 00-0223	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,598.75 540.63 -13,796.66	997.58
22 11 19 00-0224	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,616.00 643.60 -15,470.66	1,179.94
22 11 19 00-0225 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0179)</small>					
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).					
22 11 19 00-0226	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,091.41 109.33 -4,726.99	273.33
22 11 19 00-0227	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,508.31 121.29 -5,104.01	307.49
22 11 19 00-0228	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,985.68 182.11 -6,378.66	455.54
22 11 19 00-0229	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,610.21 360.42 -10,408.82	665.06
22 11 19 00-0230	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	20,716.33 540.63 -18,914.24	997.58
22 11 19 00-0231	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	24,765.99 643.60 -22,620.65	1,179.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0232			Double Check Valve Assemblies With Butterfly Shut-Off Valves <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0233	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 4,495.45	273.33	
			<i>For Work In Restricted Working Space, Add</i> 109.33		
			<i>For Owner Furnished Material, Deduct</i> -4,131.03		
22 11 19 00-0234	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 4,912.35	307.49	
			<i>For Work In Restricted Working Space, Add</i> 121.29		
			<i>For Owner Furnished Material, Deduct</i> -4,508.05		
22 11 19 00-0235	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 5,492.09	455.54	
			<i>For Work In Restricted Working Space, Add</i> 182.11		
			<i>For Owner Furnished Material, Deduct</i> -4,885.07		
22 11 19 00-0236	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 8,644.44	665.06	
			<i>For Work In Restricted Working Space, Add</i> 360.42		
			<i>For Owner Furnished Material, Deduct</i> -7,443.05		
22 11 19 00-0237	EA		8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 16,154.01	997.58	
			<i>For Work In Restricted Working Space, Add</i> 540.63		
			<i>For Owner Furnished Material, Deduct</i> -14,351.92		
22 11 19 00-0238			N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs <small>(22 11 19 00-0179)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0239	EA		2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) 5,832.43	273.33	
			<i>For Work In Restricted Working Space, Add</i> 109.33		
			<i>For Owner Furnished Material, Deduct</i> -5,468.01		
22 11 19 00-0240	EA		3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 6,249.33	307.49	
			<i>For Work In Restricted Working Space, Add</i> 121.29		
			<i>For Owner Furnished Material, Deduct</i> -5,845.03		
22 11 19 00-0241	EA		4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 7,726.23	455.54	
			<i>For Work In Restricted Working Space, Add</i> 182.11		
			<i>For Owner Furnished Material, Deduct</i> -7,119.21		
22 11 19 00-0242	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 12,384.57	665.06	
			<i>For Work In Restricted Working Space, Add</i> 360.42		
			<i>For Owner Furnished Material, Deduct</i> -11,183.18		
22 11 19 00-0243	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) 16,154.01	997.58	
			<i>For Work In Restricted Working Space, Add</i> 540.63		
			<i>For Owner Furnished Material, Deduct</i> -14,351.92		
22 11 19 00-0244			Grooved Double Check Valve Assemblies <small>(22 11 19 00-0163)</small>		
22 11 19 00-0245			Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0244)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0246	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) 3,866.54	145.78	
			<i>For Work In Restricted Working Space, Add</i> 109.33		
			<i>For Owner Furnished Material, Deduct</i> -3,502.12		
22 11 19 00-0247	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) 4,295.53	161.72	
			<i>For Work In Restricted Working Space, Add</i> 121.29		
			<i>For Owner Furnished Material, Deduct</i> -3,891.23		
22 11 19 00-0248			N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0244)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0249	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) 5,091.41	145.78	
			<i>For Work In Restricted Working Space, Add</i> 109.33		
			<i>For Owner Furnished Material, Deduct</i> -4,726.99		
22 11 19 00-0250	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) 5,508.31	161.72	
			<i>For Work In Restricted Working Space, Add</i> 121.29		
			<i>For Owner Furnished Material, Deduct</i> -5,104.01		
22 11 19 00-0251			Reduced Pressure Zone Backflow Preventer Assemblies <small>(22 11 19 00-0162)</small>		
22 11 19 00-0252			Threaded Reduced Pressure Zone Assemblies <small>(22 11 19 00-0251)</small>		
22 11 19 00-0253			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0252)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0254	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) 532.56	28.69	
			<i>For Work In Restricted Working Space, Add</i> 21.52		
			<i>For Owner Furnished Material, Deduct</i> -460.84		
22 11 19 00-0255	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) 562.36	31.65	
			<i>For Work In Restricted Working Space, Add</i> 23.74		
			<i>For Owner Furnished Material, Deduct</i> -483.22		
22 11 19 00-0256	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) 655.27	33.14	
			<i>For Work In Restricted Working Space, Add</i> 24.86		
			<i>For Owner Furnished Material, Deduct</i> -572.42		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0257	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	879.82	46.99
			<i>For Work In Restricted Working Space, Add</i>	35.24	
			<i>For Owner Furnished Material, Deduct</i>	-762.35	
22 11 19 00-0258	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,043.76	57.37
			<i>For Work In Restricted Working Space, Add</i>	43.03	
			<i>For Owner Furnished Material, Deduct</i>	-900.32	
22 11 19 00-0259	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,579.26	66.77
			<i>For Work In Restricted Working Space, Add</i>	50.08	
			<i>For Owner Furnished Material, Deduct</i>	-1,412.33	
22 11 19 00-0260	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,669.19	76.67
			<i>For Work In Restricted Working Space, Add</i>	57.13	
			<i>For Owner Furnished Material, Deduct</i>	-1,478.76	
22 11 19 00-0261	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	2,002.09	98.92
			<i>For Work In Restricted Working Space, Add</i>	74.19	
			<i>For Owner Furnished Material, Deduct</i>	-1,754.78	
22 11 19 00-0262			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0263	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	588.35	28.69
			<i>For Work In Restricted Working Space, Add</i>	21.52	
			<i>For Owner Furnished Material, Deduct</i>	-516.63	
22 11 19 00-0264	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	621.16	31.65
			<i>For Work In Restricted Working Space, Add</i>	23.74	
			<i>For Owner Furnished Material, Deduct</i>	-542.02	
22 11 19 00-0265	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	735.84	46.99
			<i>For Work In Restricted Working Space, Add</i>	24.86	
			<i>For Owner Furnished Material, Deduct</i>	-652.99	
22 11 19 00-0266	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,006.45	46.99
			<i>For Work In Restricted Working Space, Add</i>	35.24	
			<i>For Owner Furnished Material, Deduct</i>	-888.98	
22 11 19 00-0267	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,202.09	57.37
			<i>For Work In Restricted Working Space, Add</i>	43.03	
			<i>For Owner Furnished Material, Deduct</i>	-1,058.65	
22 11 19 00-0268	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,795.19	66.77
			<i>For Work In Restricted Working Space, Add</i>	50.08	
			<i>For Owner Furnished Material, Deduct</i>	-1,628.26	
22 11 19 00-0269	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,973.91	76.67
			<i>For Work In Restricted Working Space, Add</i>	57.13	
			<i>For Owner Furnished Material, Deduct</i>	-1,783.48	
22 11 19 00-0270	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	2,375.94	98.92
			<i>For Work In Restricted Working Space, Add</i>	74.19	
			<i>For Owner Furnished Material, Deduct</i>	-2,128.63	
22 11 19 00-0271			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0272	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	879.82	46.99
			<i>For Work In Restricted Working Space, Add</i>	35.24	
			<i>For Owner Furnished Material, Deduct</i>	-762.35	
22 11 19 00-0273	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,043.76	57.37
			<i>For Work In Restricted Working Space, Add</i>	43.03	
			<i>For Owner Furnished Material, Deduct</i>	-900.32	
22 11 19 00-0274	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,579.26	66.77
			<i>For Work In Restricted Working Space, Add</i>	50.08	
			<i>For Owner Furnished Material, Deduct</i>	-1,412.33	
22 11 19 00-0275	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,669.19	76.67
			<i>For Work In Restricted Working Space, Add</i>	57.13	
			<i>For Owner Furnished Material, Deduct</i>	-1,478.76	
22 11 19 00-0276	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	2,002.09	98.92
			<i>For Work In Restricted Working Space, Add</i>	74.19	
			<i>For Owner Furnished Material, Deduct</i>	-1,754.78	
22 11 19 00-0277			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0278	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,006.45	46.99
			<i>For Work In Restricted Working Space, Add</i>	35.24	
			<i>For Owner Furnished Material, Deduct</i>	-888.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0279	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,202.09	57.37
			<i>For Work In Restricted Working Space, Add</i>	43.03	
			<i>For Owner Furnished Material, Deduct</i>	-1,058.65	
22 11 19 00-0280	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,795.19	66.77
			<i>For Work In Restricted Working Space, Add</i>	50.08	
			<i>For Owner Furnished Material, Deduct</i>	-1,628.26	
22 11 19 00-0281	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,973.91	76.67
			<i>For Work In Restricted Working Space, Add</i>	57.13	
			<i>For Owner Furnished Material, Deduct</i>	-1,783.48	
22 11 19 00-0282	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,375.94	98.92
			<i>For Work In Restricted Working Space, Add</i>	74.19	
			<i>For Owner Furnished Material, Deduct</i>	-2,128.63	
22 11 19 00-0283			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0284	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,820.32	46.99
			<i>For Work In Restricted Working Space, Add</i>	35.24	
			<i>For Owner Furnished Material, Deduct</i>	-1,702.85	
22 11 19 00-0285	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	2,154.47	57.37
			<i>For Work In Restricted Working Space, Add</i>	43.03	
			<i>For Owner Furnished Material, Deduct</i>	-2,011.03	
22 11 19 00-0286	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,317.49	66.77
			<i>For Work In Restricted Working Space, Add</i>	50.08	
			<i>For Owner Furnished Material, Deduct</i>	-3,150.56	
22 11 19 00-0287	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,586.10	76.67
			<i>For Work In Restricted Working Space, Add</i>	57.13	
			<i>For Owner Furnished Material, Deduct</i>	-3,395.67	
22 11 19 00-0288	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	4,158.99	98.92
			<i>For Work In Restricted Working Space, Add</i>	74.19	
			<i>For Owner Furnished Material, Deduct</i>	-3,911.68	
22 11 19 00-0289			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0290	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,453.30	46.99
			<i>For Work In Restricted Working Space, Add</i>	35.24	
			<i>For Owner Furnished Material, Deduct</i>	-2,335.83	
22 11 19 00-0291	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,916.16	57.37
			<i>For Work In Restricted Working Space, Add</i>	43.03	
			<i>For Owner Furnished Material, Deduct</i>	-2,772.72	
22 11 19 00-0292	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,448.13	66.77
			<i>For Work In Restricted Working Space, Add</i>	50.08	
			<i>For Owner Furnished Material, Deduct</i>	-4,281.20	
22 11 19 00-0293	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,858.65	76.67
			<i>For Work In Restricted Working Space, Add</i>	57.13	
			<i>For Owner Furnished Material, Deduct</i>	-4,668.22	
22 11 19 00-0294	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,770.39	98.92
			<i>For Work In Restricted Working Space, Add</i>	74.19	
			<i>For Owner Furnished Material, Deduct</i>	-5,523.08	
22 11 19 00-0295			Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0251)</small>		
22 11 19 00-0296			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0297	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	5,974.40	273.33
			<i>For Work In Restricted Working Space, Add</i>	109.33	
			<i>For Owner Furnished Material, Deduct</i>	-5,609.96	
22 11 19 00-0298	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,732.18	307.49
			<i>For Work In Restricted Working Space, Add</i>	121.29	
			<i>For Owner Furnished Material, Deduct</i>	-6,327.88	
22 11 19 00-0299			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0300	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,124.93	273.33
			<i>For Work In Restricted Working Space, Add</i>	109.33	
			<i>For Owner Furnished Material, Deduct</i>	-6,760.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0301	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,068.77 121.29 -7,664.47	307.49
22 11 19 00-0302			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0303	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,414.76 109.33 -6,050.32	273.33
22 11 19 00-0304	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,464.05 121.29 -7,059.75	307.49
22 11 19 00-0305			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0306	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,124.93 109.33 -6,760.49	273.33
22 11 19 00-0307	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,068.77 121.29 -7,664.47	307.49
22 11 19 00-0308			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0309	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,911.06 109.33 -7,546.62	273.33
22 11 19 00-0310	EA		3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,155.72 121.29 -8,751.42	307.49
22 11 19 00-0311			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0312	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,271.01 109.33 -9,906.59	273.33
22 11 19 00-0313	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,669.21 121.30 -11,264.89	307.49
22 11 19 00-0314	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	14,689.35 182.12 -14,082.28	455.54
22 11 19 00-0315	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,143.15 504.62 -20,461.09	665.06
22 11 19 00-0316	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	36,741.45 756.92 -34,218.37	997.58
22 11 19 00-0317	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	47,466.80 643.60 -45,321.46	1,179.94
22 11 19 00-0318			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer <small>(22 11 19 00-0295)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0319	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,069.56 109.33 -10,705.14	273.33
22 11 19 00-0320	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,509.60 121.29 -12,105.30	307.49
22 11 19 00-0321	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,977.82 182.11 -15,370.80	455.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0322	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	24,087.80	665.06
			<i>For Work In Restricted Working Space, Add</i>	360.42	
			<i>For Owner Furnished Material, Deduct</i>	-22,886.41	
22 11 19 00-0323	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	39,014.76	997.58
			<i>For Work In Restricted Working Space, Add</i>	540.63	
			<i>For Owner Furnished Material, Deduct</i>	-37,212.67	
22 11 19 00-0324	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	52,964.31	1,179.94
			<i>For Work In Restricted Working Space, Add</i>	643.60	
			<i>For Owner Furnished Material, Deduct</i>	-50,818.97	
22 11 19 00-0325			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0295)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0326	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	10,928.45	273.33
			<i>For Work In Restricted Working Space, Add</i>	109.33	
			<i>For Owner Furnished Material, Deduct</i>	-10,564.03	
22 11 19 00-0327	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	12,422.79	307.49
			<i>For Work In Restricted Working Space, Add</i>	121.30	
			<i>For Owner Furnished Material, Deduct</i>	-12,018.47	
22 11 19 00-0328	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	15,625.89	455.54
			<i>For Work In Restricted Working Space, Add</i>	182.12	
			<i>For Owner Furnished Material, Deduct</i>	-15,018.82	
22 11 19 00-0329	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	23,027.73	665.06
			<i>For Work In Restricted Working Space, Add</i>	360.42	
			<i>For Owner Furnished Material, Deduct</i>	-21,826.34	
22 11 19 00-0330	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	38,302.74	997.58
			<i>For Work In Restricted Working Space, Add</i>	540.63	
			<i>For Owner Furnished Material, Deduct</i>	-36,500.65	
22 11 19 00-0331	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	50,486.53	1,179.94
			<i>For Work In Restricted Working Space, Add</i>	643.60	
			<i>For Owner Furnished Material, Deduct</i>	-48,341.19	
22 11 19 00-0332			Double Check Detector Assemblies <small>(22 11 19 00-0162)</small>		
22 11 19 00-0333			Flanged Double Check Detector Assemblies With Meter <small>(22 11 19 00-0332)</small>		
22 11 19 00-0334			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0333)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0335	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,192.89	307.49
			<i>For Work In Restricted Working Space, Add</i>	121.29	
			<i>For Owner Furnished Material, Deduct</i>	-7,788.59	
22 11 19 00-0336	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,576.33	455.54
			<i>For Work In Restricted Working Space, Add</i>	182.11	
			<i>For Owner Furnished Material, Deduct</i>	-7,969.31	
22 11 19 00-0337	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	11,549.82	665.06
			<i>For Work In Restricted Working Space, Add</i>	360.42	
			<i>For Owner Furnished Material, Deduct</i>	-10,348.43	
22 11 19 00-0338	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	20,507.47	997.58
			<i>For Work In Restricted Working Space, Add</i>	540.63	
			<i>For Owner Furnished Material, Deduct</i>	-18,705.38	
22 11 19 00-0339	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	27,709.28	1,179.94
			<i>For Work In Restricted Working Space, Add</i>	643.60	
			<i>For Owner Furnished Material, Deduct</i>	-25,563.94	
22 11 19 00-0340			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0333)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0341	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,134.50	273.33
			<i>For Work In Restricted Working Space, Add</i>	109.33	
			<i>For Owner Furnished Material, Deduct</i>	-5,770.06	
22 11 19 00-0342	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,550.99	307.49
			<i>For Work In Restricted Working Space, Add</i>	121.29	
			<i>For Owner Furnished Material, Deduct</i>	-6,146.69	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0343	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,139.65	455.54
				<i>For Work In Restricted Working Space, Add</i>	182.11	
				<i>For Owner Furnished Material, Deduct</i>	-6,532.63	
	22 11 19 00-0344	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	9,683.94	665.06
				<i>For Work In Restricted Working Space, Add</i>	360.42	
				<i>For Owner Furnished Material, Deduct</i>	-8,482.55	
	22 11 19 00-0345	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	17,135.06	997.58
				<i>For Work In Restricted Working Space, Add</i>	540.63	
				<i>For Owner Furnished Material, Deduct</i>	-15,332.97	
	22 11 19 00-0346	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	20,205.53	1,179.94
				<i>For Work In Restricted Working Space, Add</i>	643.60	
				<i>For Owner Furnished Material, Deduct</i>	-18,060.19	
	22 11 19 00-0347			Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0333)</small>		
				Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
	22 11 19 00-0348	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,497.56	273.33
				<i>For Work In Restricted Working Space, Add</i>	109.33	
				<i>For Owner Furnished Material, Deduct</i>	-6,133.12	
	22 11 19 00-0349	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,914.06	307.49
				<i>For Work In Restricted Working Space, Add</i>	121.29	
				<i>For Owner Furnished Material, Deduct</i>	-6,509.76	
	22 11 19 00-0350	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	7,502.64	455.54
				<i>For Work In Restricted Working Space, Add</i>	182.11	
				<i>For Owner Furnished Material, Deduct</i>	-6,895.62	
	22 11 19 00-0351	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	10,056.07	665.06
				<i>For Work In Restricted Working Space, Add</i>	360.42	
				<i>For Owner Furnished Material, Deduct</i>	-8,854.68	
	22 11 19 00-0352	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	16,688.57	997.58
				<i>For Work In Restricted Working Space, Add</i>	540.63	
				<i>For Owner Furnished Material, Deduct</i>	-14,886.48	
	22 11 19 00-0353			Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0332)</small>		
	22 11 19 00-0354			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0353)</small>		
				Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
	22 11 19 00-0355	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	6,019.86	273.33
				<i>For Work In Restricted Working Space, Add</i>	109.33	
	22 11 19 00-0356	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	6,436.40	307.49
				<i>For Work In Restricted Working Space, Add</i>	121.29	
	22 11 19 00-0357	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	7,025.06	455.54
				<i>For Work In Restricted Working Space, Add</i>	182.11	
	22 11 19 00-0358	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	9,569.35	665.06
				<i>For Work In Restricted Working Space, Add</i>	360.42	
	22 11 19 00-0359	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	17,020.55	997.58
				<i>For Work In Restricted Working Space, Add</i>	540.63	
	22 11 19 00-0360	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	20,090.86	1,179.94
				<i>For Work In Restricted Working Space, Add</i>	643.60	
	22 11 19 00-0361			Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0353)</small>		
				Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
	22 11 19 00-0362	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,382.90	273.33
				<i>For Work In Restricted Working Space, Add</i>	109.33	
	22 11 19 00-0363	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,799.39	307.49
				<i>For Work In Restricted Working Space, Add</i>	121.29	
	22 11 19 00-0364	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	7,388.05	455.54
				<i>For Work In Restricted Working Space, Add</i>	182.11	
	22 11 19 00-0365	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	9,941.41	665.06
				<i>For Work In Restricted Working Space, Add</i>	360.42	
	22 11 19 00-0366	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	17,392.68	997.58
				<i>For Work In Restricted Working Space, Add</i>	540.63	
	22 11 19 00-0367			Flanged Double Check Detector Assemblies <small>(22 11 19 00-0332)</small>		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0368			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0367)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0369	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	5,812.45	273.33
			<i>For Work In Restricted Working Space, Add</i>	109.33	
			<i>For Owner Furnished Material, Deduct</i>	-5,448.01	
22 11 19 00-0370	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	7,036.32	307.49
			<i>For Work In Restricted Working Space, Add</i>	121.29	
			<i>For Owner Furnished Material, Deduct</i>	-6,632.02	
22 11 19 00-0371	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	7,802.13	455.54
			<i>For Work In Restricted Working Space, Add</i>	182.11	
			<i>For Owner Furnished Material, Deduct</i>	-7,195.11	
22 11 19 00-0372	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	9,812.95	665.06
			<i>For Work In Restricted Working Space, Add</i>	360.42	
			<i>For Owner Furnished Material, Deduct</i>	-8,611.56	
22 11 19 00-0373	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	17,368.34	997.58
			<i>For Work In Restricted Working Space, Add</i>	540.63	
			<i>For Owner Furnished Material, Deduct</i>	-15,566.25	
22 11 19 00-0374	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	23,419.01	1,179.94
			<i>For Work In Restricted Working Space, Add</i>	643.60	
			<i>For Owner Furnished Material, Deduct</i>	-21,273.67	
22 11 19 00-0375	EA		12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	31,260.49	1,415.92
			<i>For Work In Restricted Working Space, Add</i>	772.32	
			<i>For Owner Furnished Material, Deduct</i>	-28,686.09	
22 11 19 00-0376			Backflow Preventer Accessories <small>(22 11 19 00-0162)</small>		
22 11 19 00-0377			Air Gap <small>(22 11 19 00-0376)</small>		
22 11 19 00-0378	EA		Up To 1" Diameter Air Gap For Backflow Preventer	136.36	15.46
22 11 19 00-0379	EA		1-1/4" To 2" Diameter Air Gap For Backflow Preventer	167.82	18.55
22 11 19 00-0380	EA		2-1/2" To 3" Diameter Air Gap For Backflow Preventer	315.56	24.73
22 11 19 00-0381	EA		4" To 6" Diameter Air Gap For Backflow Preventer	624.42	43.28
22 11 19 00-0382	EA		8" To 10" Diameter Air Gap For Backflow Preventer	661.52	61.82
22 11 19 00-0383			Brass Test Cocks <small>(22 11 19 00-0376)</small>		
22 11 19 00-0384	EA		1/8" Or 1/4" Brass Test Cock	55.51	6.18
22 11 19 00-0385			Backflow Valve Enclosures <small>(22 11 19 00-0162)</small>		
22 11 19 00-0386			Flip-Top, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0385)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0387	EA		19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,397.53	111.29
			<i>For Heated Enclosure, Add</i>	167.90	
22 11 19 00-0388	EA		27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,710.72	111.29
			<i>For Heated Enclosure, Add</i>	214.88	
22 11 19 00-0389	EA		27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,157.16	102.49
			<i>For Heated Enclosure, Add</i>	285.14	
22 11 19 00-0390	EA		33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,250.75	136.66
			<i>For Heated Enclosure, Add</i>	286.36	
22 11 19 00-0391	EA		39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,356.96	136.66
			<i>For Heated Enclosure, Add</i>	302.30	
22 11 19 00-0392	EA		47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,770.92	136.66
			<i>For Heated Enclosure, Add</i>	364.39	
22 11 19 00-0393	EA		39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,781.81	136.66
			<i>For Heated Enclosure, Add</i>	366.02	
22 11 19 00-0394	EA		47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,487.16	136.66
			<i>For Heated Enclosure, Add</i>	471.83	
22 11 19 00-0395	EA		70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,999.06	205.00
			<i>For Heated Enclosure, Add</i>	1,122.99	
22 11 19 00-0396	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	11,558.52	205.00
			<i>For Heated Enclosure, Add</i>	1,656.90	
22 11 19 00-0397	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	10,986.61	205.00
			<i>For Heated Enclosure, Add</i>	1,571.12	
22 11 19 00-0398	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,226.22	239.16
			<i>For Heated Enclosure, Add</i>	1,894.25	
22 11 19 00-0399			One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0385)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0400	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	730.31	29.68
			<i>For Heated Enclosure, Add</i>	136.17	
22 11 19 00-0401	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,018.99	29.68
			<i>For Heated Enclosure, Add</i>	193.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0402	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,281.97	27.33
			<i>For Heated Enclosure, Add</i>	247.28	
22 11 19 00-0403	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,941.03	27.33
			<i>For Heated Enclosure, Add</i>	379.09	
22 11 19 00-0404	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	5,031.08	51.25
			<i>For Heated Enclosure, Add</i>	989.13	
22 11 19 00-0405	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	6,874.81	51.25
			<i>For Heated Enclosure, Add</i>	1,357.88	
22 11 19 00-0406	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,573.55	51.25
			<i>For Heated Enclosure, Add</i>	897.63	
22 11 19 00-0407	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	5,178.14	51.25
			<i>For Heated Enclosure, Add</i>	1,018.54	
22 11 19 00-0408	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	8,111.22	51.25
			<i>For Heated Enclosure, Add</i>	1,605.16	
22 11 19 00-0409			Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0385)</small>		
			Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0410	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	10,349.34	205.00
			<i>For Heated Enclosure, Add</i>	1,475.53	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0411	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	11,403.29	205.00
			<i>For Heated Enclosure, Add</i>	1,633.62	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0412	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,127.06	205.00
			<i>For Heated Enclosure, Add</i>	1,142.19	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0413	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	8,905.95	205.00
			<i>For Heated Enclosure, Add</i>	1,259.02	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0414	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	10,375.83	273.33
			<i>For Heated Enclosure, Add</i>	1,453.88	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0415	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,623.14	273.33
			<i>For Heated Enclosure, Add</i>	1,640.97	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0416	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	11,623.14	273.33
			<i>For Heated Enclosure, Add</i>	1,640.97	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0417	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,832.32	273.33
			<i>For Heated Enclosure, Add</i>	1,822.35	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0418	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	9,647.70	239.16
			<i>For Heated Enclosure, Add</i>	1,357.47	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0419	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,293.61	273.33
			<i>For Heated Enclosure, Add</i>	1,591.54	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0420	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	13,180.91	273.33
			<i>For Heated Enclosure, Add</i>	1,874.64	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0421	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	14,465.47	290.42
			<i>For Heated Enclosure, Add</i>	2,060.92	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0422	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	14,778.66	290.42
			<i>For Heated Enclosure, Add</i>	2,107.90	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0423	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	16,379.14	307.49
			<i>For Heated Enclosure, Add</i>	2,341.56	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0424	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	17,002.80	307.49
			<i>For Heated Enclosure, Add</i>	2,435.11	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0425	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	12,363.90	273.33
			<i>For Heated Enclosure, Add</i>	1,752.09	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	
22 11 19 00-0426	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	13,172.74	273.33
			<i>For Heated Enclosure, Add</i>	1,873.41	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	826.65	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,479.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0427	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,898.49 2,125.87 826.65 1,479.27	290.42
22 11 19 00-0428	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,040.41 2,590.75 826.65 1,479.27	307.49
22 11 19 00-0429	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,755.49 2,248.01 826.65 1,479.27	307.49
22 11 19 00-0430	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,916.47 2,715.75 826.65 1,479.27	324.58
22 11 19 00-0431	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,292.82 2,622.21 826.65 1,479.27	324.58
22 11 19 00-0432	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	21,176.01 3,048.28 826.65 1,479.27	341.66
22 11 19 00-0433	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	19,582.83 2,809.30 826.65 1,479.27	341.66
22 11 19 00-0434	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	22,836.41 3,290.93 826.65 1,479.27	358.75
22 11 19 00-0435	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	22,879.12 3,290.93 826.65 1,479.27	375.82
22 11 19 00-0436	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	27,102.22 3,917.99 826.65 1,479.27	392.91
22 11 19 00-0437			Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0438			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0437)</small>		
22 11 19 00-0439	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	66.74	12.37
22 11 19 00-0440	EA		3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	77.12	13.60
22 11 19 00-0441	EA		3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	19.85	9.27
22 11 19 00-0442			Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0437)</small>		
22 11 19 00-0443	EA		3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP).....	223.62	37.83
22 11 19 00-0444			Antisiphon Freezeless Wall Faucet (Woodford 19CP) <small>(22 11 19 00-0437)</small>		
22 11 19 00-0445	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	143.39	30.92
22 11 19 00-0446	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	155.59	34.25
22 11 19 00-0447	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	164.69	36.23
22 11 19 00-0448	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	173.78	38.82
22 11 19 00-0449	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	183.02	41.18
22 11 19 00-0450			Escutcheons <small>(22 11 19)</small>		
22 11 19 00-0451			Brass Escutcheons <small>(22 11 19 00-0450)</small>		
22 11 19 00-0452			Shallow Brass Escutcheons <small>(22 11 19 00-0451)</small>		
22 11 19 00-0453	EA		3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	13.77	3.09
22 11 19 00-0454	EA		1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	14.82	3.09
22 11 19 00-0455			Deep Bell Brass Escutcheons <small>(22 11 19 00-0451)</small>		
22 11 19 00-0456	EA		3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	16.19	3.46
22 11 19 00-0457	EA		1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	16.23	3.46
22 11 19 00-0458			Chrome Plated Brass Escutcheons With Setscrew <small>(22 11 19 00-0451)</small>		
22 11 19 00-0459	EA		3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.39	3.09
22 11 19 00-0460	EA		1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.63	3.09
22 11 19 00-0461	EA		5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.00	3.09
22 11 19 00-0462	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.31	3.09
22 11 19 00-0463	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.70	3.71
22 11 19 00-0464	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.99	3.71



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 11 19 00-0465 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.97	4.08
				22 11 19 00-0466 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	29.24	4.33
				22 11 19 00-0467 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew	41.98	4.95
22 11 19 00-0468				Plastic Escutcheons (22 11 19 00-0450)		
22 11 19 00-0469				Split-Ring White Plastic Escutcheons (22 11 19 00-0468)		
				22 11 19 00-0470 EA 3/8" IPS, Split-Ring White Plastic Escutcheon	7.63	3.07
				22 11 19 00-0471 EA 1/2" IPS, Split-Ring White Plastic Escutcheon	7.63	3.07
				22 11 19 00-0472 EA 3/4" IPS, Split-Ring White Plastic Escutcheon	8.93	3.44
				22 11 19 00-0473 EA 1" IPS, Split-Ring White Plastic Escutcheon	9.68	3.68
				22 11 19 00-0474 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.43	4.05
				22 11 19 00-0475 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.12	4.30
				22 11 19 00-0476 EA 2" IPS, Split-Ring White Plastic Escutcheon	12.53	4.92
				22 11 19 00-0477 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon	16.24	5.28
				22 11 19 00-0478 EA 3" IPS, Split-Ring White Plastic Escutcheon	19.96	5.53
				22 11 19 00-0479 EA 4" IPS, Split-Ring White Plastic Escutcheon	24.29	6.15
22 11 19 00-0480				Chrome Plate Plastic Escutcheons (22 11 19 00-0468)		
				22 11 19 00-0481 EA 1/2" IPS, Chrome Plate Plastic Escutcheon	10.17	3.07
				22 11 19 00-0482 EA 3/4" IPS, Chrome Plate Plastic Escutcheon	11.11	3.44
				22 11 19 00-0483 EA 1" IPS, Chrome Plate Plastic Escutcheon	12.49	3.68
				22 11 19 00-0484 EA 1-1/4" IPS, Chrome Plate Plastic Escutcheon	13.86	4.05
				22 11 19 00-0485 EA 1-1/2" IPS, Chrome Plate Plastic Escutcheon	14.58	4.30
				22 11 19 00-0486 EA 2" IPS, Chrome Plate Plastic Escutcheon	18.42	4.92
				22 11 19 00-0487 EA 2-1/2" IPS, Chrome Plate Plastic Escutcheon	26.86	5.28
				22 11 19 00-0488 EA 3" IPS, Chrome Plate Plastic Escutcheon	27.80	5.53
				22 11 19 00-0489 EA 4" IPS, Chrome Plate Plastic Escutcheon	29.68	6.15
22 11 19 00-0490				Stainless Steel Escutcheons (22 11 19 00-0450)		
22 11 19 00-0491				Shallow Stainless Steel Escutcheons (22 11 19 00-0490)		
				22 11 19 00-0492 EA 3/8" IPS, Shallow Stainless Steel Escutcheon	18.98	3.09
				22 11 19 00-0493 EA 1/2" IPS, Shallow Stainless Steel Escutcheon	18.98	3.09
				22 11 19 00-0494 EA 3/4" IPS, Shallow Stainless Steel Escutcheon	26.96	3.46
22 11 19 00-0495				Chrome Plated Steel Escutcheons (22 11 19 00-0450)		
22 11 19 00-0496				Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
				22 11 19 00-0497 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.90	3.07
				22 11 19 00-0498 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.51	3.44
				22 11 19 00-0499 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.28	3.68
				22 11 19 00-0500 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.89	4.05
				22 11 19 00-0501 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.50	4.30
				22 11 19 00-0502 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.94	4.92
				22 11 19 00-0503 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.59	5.28
				22 11 19 00-0504 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.63	5.53
				22 11 19 00-0505 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	21.75	5.90
				22 11 19 00-0506 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.22	6.15
				22 11 19 00-0507 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon	24.84	6.76
				22 11 19 00-0508 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon	29.00	7.38
22 11 19 00-0509				Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
				22 11 19 00-0510 EA 3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.12	3.07
				22 11 19 00-0511 EA 1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.12	3.07
				22 11 19 00-0512 EA 3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.89	3.44
				22 11 19 00-0513 EA 1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.70	3.68
				22 11 19 00-0514 EA 1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.22	4.05
				22 11 19 00-0515 EA 1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.04	4.30
				22 11 19 00-0516 EA 2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.84	4.92
				22 11 19 00-0517 EA 2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.54	5.28
				22 11 19 00-0518 EA 3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	25.14	5.53
				22 11 19 00-0519 EA 3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.93	5.90
				22 11 19 00-0520 EA 4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	31.39	6.15
				22 11 19 00-0521 EA 5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	51.99	6.76
				22 11 19 00-0522 EA 6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	54.27	7.38
22 11 19 00-0523				Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0495)		
				22 11 19 00-0524 EA 3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.47	3.46
				22 11 19 00-0525 EA 1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.35	3.46
				22 11 19 00-0526 EA 3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.09	3.46
				22 11 19 00-0527 EA 1" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.99	3.71
				22 11 19 00-0528 EA 1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.77	4.08
				22 11 19 00-0529 EA 1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.74	4.33



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0530	Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0495)			
22 11 19 00-0531	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.60	3.09
22 11 19 00-0532	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.60	3.09
22 11 19 00-0533	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.72	3.09
22 11 19 00-0534	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.25	3.71
22 11 19 00-0535	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.93	4.08
22 11 19 00-0536	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	9.89	4.33
22 11 19 00-0537	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	11.23	4.95
22 11 19 00-0538	Keyed, Recessed Valve Boxes (22 11 19)			
22 11 19 00-0539	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	357.64	36.87
22 11 19 00-0540	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	398.21	36.87
22 11 19 00-0541	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	459.05	36.87
22 11 19 00-0542	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	443.07	49.16
22 11 19 00-0543	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	503.91	49.16
22 11 19 00-0544	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	522.16	49.16
22 11 19 00-0545	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	422.54	36.87
22 11 19 00-0546	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	511.78	36.87
22 11 19 00-0547	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	590.88	36.87
22 11 19 00-0548	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	556.64	49.16
22 11 19 00-0549	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	635.74	49.16
22 11 19 00-0550	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	666.16	49.16
22 11 23	Domestic Water Pumps (22 11)			
22 11 23 13	Domestic Water Packaged Booster Pumps (22 11 23)			
	Note: Includes motor starter and controls.			
22 11 23 13-0001	Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)			
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	16,232.34	364.44
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,779.44	489.71
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,443.49	614.99
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,049.07	740.26
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	19,941.15	865.54
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	22,125.64	990.82
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	23,608.39	1,116.09
22 11 23 13-0009	Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)			
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	43,284.38	1,477.32
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	52,313.22	1,569.66
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	61,379.36	1,661.99
22 11 23 13-0013	Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)			
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	57,298.47	1,569.66
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	71,588.89	1,661.99
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	89,167.06	1,846.66
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	113,226.78	2,031.32
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	137,286.52	2,215.99
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	160,011.33	2,492.99
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	182,736.14	2,769.98
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	205,460.97	3,046.98
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	228,416.61	3,416.31
22 11 23 13-0023	Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)			
	Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.			
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	41,945.92	1,628.99
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	43,890.15	1,628.99
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	46,668.23	1,628.99
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	50,672.79	1,628.99
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	47,773.49	1,730.80
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	51,269.31	1,730.80
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	56,016.95	1,730.80
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	59,875.85	1,730.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0032 EA 240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	52,218.36	1,832.61
22 11 23 13-0033 EA 280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	55,669.84	1,832.61
22 11 23 13-0034 EA 240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	63,387.66	1,832.61
22 11 23 13-0035 EA 240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	76,340.75	1,832.61
22 11 23 13-0036 EA 360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	55,184.31	1,832.61
22 11 23 13-0037 EA 360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	62,224.50	1,832.61
22 11 23 13-0038 EA 360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	77,721.35	1,832.61
22 11 23 13-0039 EA 360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	77,273.81	1,832.61
22 11 23 13-0040 EA 440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	92,209.45	2,036.23
22 11 23 13-0041 EA 440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	63,183.20	2,036.23
22 11 23 13-0042 EA 440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	77,295.23	2,036.23
22 11 23 13-0043 EA 440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	76,849.81	2,036.23
22 11 23 13-0044 EA 440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	92,901.86	2,036.23
22 11 23 13-0045 EA 440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	112,536.27	2,036.23
22 11 23 13-0046 EA 60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	53,159.55	1,628.99
22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid ^(22 11 23 13)		
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048 EA 60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	53,159.55	1,628.99
22 11 23 13-0049 EA 120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	59,530.55	1,628.99
22 11 23 13-0050 EA 60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	65,027.59	1,628.99
22 11 23 13-0051 EA 180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	59,785.08	1,730.80
22 11 23 13-0052 EA 180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	65,244.13	1,730.80
22 11 23 13-0053 EA 240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	61,060.12	1,730.80
22 11 23 13-0054 EA 240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	65,752.88	1,730.80
22 11 23 13-0055 EA 240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	72,206.20	1,730.80
22 11 23 13-0056 EA 240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	77,555.48	1,730.80
22 11 23 13-0057 EA 300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	61,622.86	1,832.61
22 11 23 13-0058 EA 300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	66,315.61	1,832.61
22 11 23 13-0059 EA 300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	72,766.83	1,832.61
22 11 23 13-0060 EA 300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	78,116.10	1,832.61
22 11 23 13-0061 EA 360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	66,900.36	1,832.61
22 11 23 13-0062 EA 360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	71,407.35	1,832.61
22 11 23 13-0063 EA 360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	82,542.87	1,832.61
22 11 23 13-0064 EA 360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	100,714.36	1,832.61
22 11 23 13-0065 EA 480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	68,329.82	2,036.23
22 11 23 13-0066 EA 480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	72,838.91	2,036.23
22 11 23 13-0067 EA 480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	83,974.44	2,036.23
22 11 23 13-0068 EA 480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	102,143.81	2,036.23
22 11 23 13-0069 EA 540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	72,108.51	2,036.23
22 11 23 13-0070 EA 540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	82,228.64	2,036.23



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23	13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	104,212.59	2,036.23
22 11 23	13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	106,342.59	2,036.23
22 11 23	13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	131,862.47	2,036.23
22 11 23	13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	81,686.72	2,443.48
22 11 23	13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	98,365.73	2,443.48
22 11 23	13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	104,690.29	2,443.48
22 11 23	13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	126,385.04	2,443.48
22 11 23	13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	156,743.33	2,443.48

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)
 Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,149.30	205.00
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,180.34	205.00
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,235.77	208.98
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,362.90	217.53
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,456.45	225.67
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,621.58	225.67
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	3,925.39	248.46
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,092.28	272.96
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	4,956.97	300.33
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,064.48	330.53
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,538.38	363.01
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	7,946.69	399.48
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,157.57	418.85

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,197.73	205.00
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,014.99	205.00
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,023.24	208.98
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,058.15	213.54
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,066.11	217.53
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,104.84	225.67
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,575.13	248.46
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,324.13	300.33
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,500.94	330.53
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,088.33	363.01
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,525.20	399.48
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,463.78	418.85
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	5,797.46	439.94
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,231.22	483.59
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,845.80	512.88
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	8,681.91	569.87
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,202.15	683.96
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	11,744.62	798.16

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	43,234.99	9,701.21
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	49,305.56	9,701.21
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	89,298.63	14,971.01
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	115,248.97	19,402.40

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	52,228.42	9,701.21
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	73,362.99	9,701.21
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	109,233.61	14,971.01
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	157,734.36	19,402.40

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,736.89	455.54
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,390.24	569.43
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,289.20	626.38
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	6,955.85	683.32
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	13,863.44	740.26
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	11,933.72	797.21
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	20,523.93	854.15
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	18,904.19	911.10
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	20,538.19	968.04
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	24,480.64	1,024.98
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) <small>(22 12 23 13)</small>		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,337.21	455.54
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,515.97	569.43
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,653.54	626.38
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	6,995.19	683.32
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	5,933.18	683.32
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,199.71	740.26
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	9,956.87	797.21
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,474.41	797.21
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	8,639.85	797.21
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	11,839.75	854.15
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	12,845.08	911.10
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	14,919.82	968.04
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	28,054.15	1,024.98
22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks <small>(22 12 23)</small>		
22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks <small>(22 12 23 26)</small>		
Note: Excludes excavation and backfill.		
22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank	745.77	256.24
<i>For Saddle Assembly, Add</i>		
	833.21	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank	873.62	298.95
<i>For Saddle Assembly, Add</i>		
	833.21	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,036.90	341.66
<i>For Saddle Assembly, Add</i>		
	953.74	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,264.01	384.37
<i>For Saddle Assembly, Add</i>		
	1,424.05	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,517.11	427.07
<i>For Two Tie Down Bands, Add</i>		
	478.24	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,954.52	578.05
<i>For Two Tie Down Bands, Add</i>		
	511.32	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,927.34	674.39
<i>For Three Tie Down Bands, Add</i>		
	873.34	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,229.95	770.72
<i>For Three Tie Down Bands, Add</i>		
	880.43	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,282.48	867.06
<i>For Four Tie Down Bands, Add</i>		
	1,192.81	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,189.54	963.40
<i>For Four Tie Down Bands, Add</i>		
	1,674.93	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	8,857.53	1,059.75
<i>For Four Tie Down Bands, Add</i>		
	2,204.32	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,262.19	1,156.09
<i>For Four Tie Down Bands, Add</i>		
	2,383.94	
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	14,744.29	1,541.45
<i>For Four Tie Down Bands, Add</i>		
	2,695.90	
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,087.91	1,541.45
<i>For Five Tie Down Bands, Add</i>		
	4,232.50	
22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks <small>(22 12 23 26)</small>		
22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank	812.38	341.66
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank	980.30	363.01
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,077.31	384.37
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,306.77	427.07
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,489.20	512.49
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,759.07	597.91
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,455.07	770.72
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,179.92	963.40
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,278.19	1,156.09
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,598.60	1,348.77
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,249.59	1,541.45
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,179.45	1,734.14

22 Plumbing

22 10 Plumbing Piping

22 12 Facility Potable-Water Storage Tanks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12	23	26-0029	EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	12,674.75	1,926.82
22 12	23	26-0030	EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,966.81	2,119.50
22 12	23	26-0031	EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	16,095.49	2,312.18
22 12	23	26-0032	EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	18,184.00	2,504.86
22 12	23	26-0033	EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	22,517.69	2,697.54
22 12	23	26-0034	EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	27,096.46	3,082.91

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001

Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002

Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,221.93
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.			
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,673.00
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,102.90
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	724.76
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	855.11
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,077.21
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0009	EA	Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,157.44
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	697.50
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,102.90
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,127.29
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,070.32
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.			
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,221.93
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,919.91
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0016	EA	Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,185.95
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.			

22 13 13 00-0017

Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,608.86
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.			
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	2,242.03
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,387.53
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	877.88
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.			
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,159.92
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,232.16
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	825.75
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.			
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe	1,398.90
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.			
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,194.00
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,165.55	
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,608.86	
22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	803.90	
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,121.02	
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	694.33	
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	439.51	
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	579.98	
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	616.06	
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	441.34	
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	698.90	
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	597.00	
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	583.32	
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	795.91	
22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	717.59	
22 13 13 00-0043 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	845.38	
22 13 13 00-0044 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	671.85	
22 13 13 00-0045 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	414.90	
22 13 13 00-0046 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	487.22	
22 13 13 00-0047 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	648.00	
22 13 13 00-0048 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	667.54	
22 13 13 00-0049 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	407.27	
22 13 13 00-0050 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	671.85	
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	706.43	
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	656.50	
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	717.46	
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,113.48	
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	692.45	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ⁽²²⁾ <small>13 13 00-0001</small> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	893.67	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,110.88	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	775.11	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	473.56	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	673.98	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	707.35	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	456.40	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	785.25	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	731.99	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	706.59	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	893.67	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13) <small>13 00-0001</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	446.37	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	554.89	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	387.89	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	236.84	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	336.96	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	353.40	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	228.19	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	392.52	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	366.03	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	353.77	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	438.81	
22 13 16		Sanitary Waste and Vent Piping ^(22 13)		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies ^(22 13 16)		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	39.74	7.17
		<i>For Work In Restricted Working Space, Add</i>		5.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0004	LF			3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....57.03 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		10.82
				<i>For Work In Restricted Working Space, Add</i>	7.14	
22 13 16 00-0005	LF			4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....74.04 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		13.78
				<i>For Work In Restricted Working Space, Add</i>	9.18	
22 13 16 00-0006	LF			5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....87.37 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		16.74
				<i>For Work In Restricted Working Space, Add</i>	9.41	
22 13 16 00-0007	LF			6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....103.04 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		18.23
				<i>For Work In Restricted Working Space, Add</i>	10.46	
22 13 16 00-0008	LF			8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....164.89 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		25.98
				<i>For Work In Restricted Working Space, Add</i>	14.71	
22 13 16 00-0009	LF			10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....245.56 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		25.98
				<i>For Work In Restricted Working Space, Add</i>	16.66	
22 13 16 00-0010				Aboveground No Hub Cast Iron Soil Pipe Assemblies <small>(22 13 16 00-0001)</small> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF			1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....35.76 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		6.83
				<i>For Work In Restricted Working Space, Add</i>	6.00	
22 13 16 00-0012	LF			2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....37.81 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		7.28
				<i>For Work In Restricted Working Space, Add</i>	6.44	
22 13 16 00-0013	LF			3" Aboveground No Hub Cast Iron Soil Pipe Assembly .....48.63 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		10.59
				<i>For Work In Restricted Working Space, Add</i>	7.91	
22 13 16 00-0014	LF			4" Aboveground No Hub Cast Iron Soil Pipe Assembly .....58.06 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		13.78
				<i>For Work In Restricted Working Space, Add</i>	9.45	
22 13 16 00-0015	LF			5" Aboveground No Hub Cast Iron Soil Pipe Assembly .....75.77 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		16.41
				<i>For Work In Restricted Working Space, Add</i>	11.14	
22 13 16 00-0016	LF			6" Aboveground No Hub Cast Iron Soil Pipe Assembly .....86.31 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		17.91
				<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0017	LF			8" Aboveground No Hub Cast Iron Soil Pipe Assembly .....136.62 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		25.77
				<i>For Work In Restricted Working Space, Add</i>	16.77	
22 13 16 00-0018	LF			10" Aboveground No Hub Cast Iron Soil Pipe Assembly .....195.62 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.		29.27
				<i>For Work In Restricted Working Space, Add</i>	19.49	
22 13 16 00-0019				Bell And Spigot Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020				Bell And Spigot Cast Iron Pipe <small>(22 13 16 00-0019)</small> Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF			2" Bell And Spigot Cast Iron Pipe .....28.61 <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.46 0.54 3.25	7.17
22 13 16 00-0022	LF			3" Bell And Spigot Cast Iron Pipe .....41.74 <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.70 0.81 4.88	10.82
22 13 16 00-0023	LF			4" Bell And Spigot Cast Iron Pipe .....53.81 <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.91 1.04 6.21	13.78
22 13 16 00-0024	LF			5" Bell And Spigot Cast Iron Pipe .....71.75 <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.63 1.25 7.51	16.74

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.21 23.90 1.37 8.19	18.23
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.49 37.17 1.95 11.69	25.98
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.22 61.89 2.19 13.16	29.27
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.53 89.91 2.92 17.54	39.03
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	383.03 131.40 3.51 21.05	46.82
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.59 22.96 2.45 14.69	32.69
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.68 46.59 3.08 18.47	41.11
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.37 62.10 4.10 24.58	54.66
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	404.87 104.56 5.31 31.84	70.79
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	803.37 233.21 6.85 41.12	91.45
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,099.34 325.73 8.43 50.60	112.49
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,686.39 507.84 11.77 70.62	157.01
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,134.12 982.22 16.39 98.33	218.63
22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.27 16.90 2.45 14.69	32.69
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.61 36.42 3.08 18.47	41.11
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.68 50.66 4.10 24.58	54.66
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	340.46 87.60 4.51 27.05	60.18
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.10 106.74 5.31 31.84	70.79
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	678.08 189.36 6.85 41.12	91.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0047 EA 10" Bell And Spigot Cast Iron Short Sweep.....	992.44	112.49
<i>For Extra Heavy Fittings, Add</i>	288.32	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.43	
<i>For Work In Restricted Working Space, Add</i>	50.60	
22 13 16 00-0048 EA 12" Bell And Spigot Cast Iron Short Sweep.....	1,646.53	157.01
<i>For Extra Heavy Fittings, Add</i>	493.89	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.77	
<i>For Work In Restricted Working Space, Add</i>	70.62	
22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050 EA 2" Bell And Spigot Cast Iron 1/4 Bend.....	87.44	32.57
<i>For Extra Heavy Fittings, Add</i>	13.50	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.44	
<i>For Work In Restricted Working Space, Add</i>	14.66	
22 13 16 00-0051 EA 3" Bell And Spigot Cast Iron 1/4 Bend.....	132.08	36.67
<i>For Extra Heavy Fittings, Add</i>	26.97	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.75	
<i>For Work In Restricted Working Space, Add</i>	16.51	
22 13 16 00-0052 EA 4" Bell And Spigot Cast Iron 1/4 Bend.....	188.91	48.86
<i>For Extra Heavy Fittings, Add</i>	40.49	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	21.97	
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend.....	235.89	53.74
<i>For Extra Heavy Fittings, Add</i>	54.38	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.03	
<i>For Work In Restricted Working Space, Add</i>	24.16	
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend.....	283.72	64.36
<i>For Extra Heavy Fittings, Add</i>	65.51	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.83	
<i>For Work In Restricted Working Space, Add</i>	28.97	
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend.....	590.65	84.20
<i>For Extra Heavy Fittings, Add</i>	162.55	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.31	
<i>For Work In Restricted Working Space, Add</i>	37.86	
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend.....	871.77	102.19
<i>For Extra Heavy Fittings, Add</i>	251.50	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.66	
<i>For Work In Restricted Working Space, Add</i>	45.96	
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend.....	1,149.77	120.61
<i>For Extra Heavy Fittings, Add</i>	339.12	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.04	
<i>For Work In Restricted Working Space, Add</i>	54.26	
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend.....	2,941.88	190.23
<i>For Extra Heavy Fittings, Add</i>	929.86	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.26	
<i>For Work In Restricted Working Space, Add</i>	85.55	
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend.....	79.77	32.69
<i>For Extra Heavy Fittings, Add</i>	10.78	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.45	
<i>For Work In Restricted Working Space, Add</i>	14.69	
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend.....	125.10	41.11
<i>For Extra Heavy Fittings, Add</i>	22.24	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	18.47	
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend.....	178.33	54.66
<i>For Extra Heavy Fittings, Add</i>	33.74	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	24.58	
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend.....	222.33	67.26
<i>For Extra Heavy Fittings, Add</i>	42.54	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.04	
<i>For Work In Restricted Working Space, Add</i>	30.23	
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend.....	257.22	74.98
<i>For Extra Heavy Fittings, Add</i>	50.66	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.62	
<i>For Work In Restricted Working Space, Add</i>	33.74	
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend.....	513.40	100.87
<i>For Extra Heavy Fittings, Add</i>	126.76	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.56	
<i>For Work In Restricted Working Space, Add</i>	45.37	
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend.....	718.57	124.44
<i>For Extra Heavy Fittings, Add</i>	186.18	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.33	
<i>For Work In Restricted Working Space, Add</i>	55.99	
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend.....	1,162.36	161.39
<i>For Extra Heavy Fittings, Add</i>	322.16	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.10	
<i>For Work In Restricted Working Space, Add</i>	72.57	

22 Plumbing
22 10 Plumbing Piping
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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,231.25		190.23
		<i>For Extra Heavy Fittings, Add</i>	681.14		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.26		
		<i>For Work In Restricted Working Space, Add</i>	85.55		
22 13 16 00-0069		Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)			
22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	139.13		73.00
		<i>For Extra Heavy Fittings, Add</i>	10.37		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.48		
		<i>For Work In Restricted Working Space, Add</i>	32.85		
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	175.36		79.95
		<i>For Extra Heavy Fittings, Add</i>	19.42		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.99		
		<i>For Work In Restricted Working Space, Add</i>	35.96		
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	230.87		104.78
		<i>For Extra Heavy Fittings, Add</i>	25.84		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.85		
		<i>For Work In Restricted Working Space, Add</i>	47.11		
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	296.60		115.74
		<i>For Extra Heavy Fittings, Add</i>	43.06		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.68		
		<i>For Work In Restricted Working Space, Add</i>	52.07		
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	372.41		137.19
		<i>For Extra Heavy Fittings, Add</i>	58.34		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.29		
		<i>For Work In Restricted Working Space, Add</i>	61.72		
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	684.93		184.20
		<i>For Extra Heavy Fittings, Add</i>	143.06		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.81		
		<i>For Work In Restricted Working Space, Add</i>	82.85		
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	962.04		208.98
		<i>For Extra Heavy Fittings, Add</i>	227.07		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.66		
		<i>For Work In Restricted Working Space, Add</i>	93.98		
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,425.10		254.36
		<i>For Extra Heavy Fittings, Add</i>	365.31		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.07		
		<i>For Work In Restricted Working Space, Add</i>	114.41		
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,215.10		285.40
		<i>For Extra Heavy Fittings, Add</i>	625.53		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.39		
		<i>For Work In Restricted Working Space, Add</i>	128.36		
22 13 16 00-0079		Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)			
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	220.97		76.30
		<i>For Extra Heavy Fittings, Add</i>	37.29		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.72		
		<i>For Work In Restricted Working Space, Add</i>	34.33		
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	268.91		94.30
		<i>For Extra Heavy Fittings, Add</i>	44.61		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.07		
		<i>For Work In Restricted Working Space, Add</i>	42.43		
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	300.22		96.69
		<i>For Extra Heavy Fittings, Add</i>	54.31		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.25		
		<i>For Work In Restricted Working Space, Add</i>	43.51		
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	442.84		122.92
		<i>For Extra Heavy Fittings, Add</i>	90.52		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.21		
		<i>For Work In Restricted Working Space, Add</i>	55.26		
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	454.35		125.18
		<i>For Extra Heavy Fittings, Add</i>	93.32		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.39		
		<i>For Work In Restricted Working Space, Add</i>	56.32		
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	475.48		133.55
		<i>For Extra Heavy Fittings, Add</i>	96.34		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.01		
		<i>For Work In Restricted Working Space, Add</i>	60.07		
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	701.75		148.13
		<i>For Extra Heavy Fittings, Add</i>	167.89		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.10		
		<i>For Work In Restricted Working Space, Add</i>	66.62		
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	733.70		150.98
		<i>For Extra Heavy Fittings, Add</i>	177.59		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.32		
		<i>For Work In Restricted Working Space, Add</i>	67.89		
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	751.23		158.10
		<i>For Extra Heavy Fittings, Add</i>	179.96		
		<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.85		
		<i>For Work In Restricted Working Space, Add</i>	71.12		



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	888.12	175.87
			<i>For Extra Heavy Fittings, Add</i>	218.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.19	
			<i>For Work In Restricted Working Space, Add</i>	79.12	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,097.46	164.79
			<i>For Extra Heavy Fittings, Add</i>	297.63	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.35	
			<i>For Work In Restricted Working Space, Add</i>	74.12	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,141.62	172.02
			<i>For Extra Heavy Fittings, Add</i>	309.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.90	
			<i>For Work In Restricted Working Space, Add</i>	77.39	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,248.84	190.23
			<i>For Extra Heavy Fittings, Add</i>	337.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.26	
			<i>For Work In Restricted Working Space, Add</i>	85.55	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,653.46	201.74
			<i>For Extra Heavy Fittings, Add</i>	472.85	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.12	
			<i>For Work In Restricted Working Space, Add</i>	90.74	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,702.11	201.74
			<i>For Extra Heavy Fittings, Add</i>	489.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.12	
			<i>For Work In Restricted Working Space, Add</i>	90.74	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,771.16	218.63
			<i>For Extra Heavy Fittings, Add</i>	505.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.39	
			<i>For Work In Restricted Working Space, Add</i>	98.33	
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,081.08	229.48
			<i>For Extra Heavy Fittings, Add</i>	607.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.20	
			<i>For Work In Restricted Working Space, Add</i>	103.19	
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,531.64	236.27
			<i>For Extra Heavy Fittings, Add</i>	762.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.71	
			<i>For Work In Restricted Working Space, Add</i>	106.28	
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,193.70	222.80
			<i>For Extra Heavy Fittings, Add</i>	1,350.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.70	
			<i>For Work In Restricted Working Space, Add</i>	100.21	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,376.40	241.10
			<i>For Extra Heavy Fittings, Add</i>	1,405.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.08	
			<i>For Work In Restricted Working Space, Add</i>	108.47	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,465.84	251.52
			<i>For Extra Heavy Fittings, Add</i>	1,431.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.85	
			<i>For Work In Restricted Working Space, Add</i>	113.13	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,569.71	260.07
			<i>For Extra Heavy Fittings, Add</i>	1,462.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.49	
			<i>For Work In Restricted Working Space, Add</i>	116.95	
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,684.83	275.20
			<i>For Extra Heavy Fittings, Add</i>	1,495.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.63	
			<i>For Work In Restricted Working Space, Add</i>	123.77	
22 13 16 00-0103			Bell And Spigot Cast Iron Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	151.81	73.00
			<i>For Extra Heavy Fittings, Add</i>	14.81	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.48	
			<i>For Work In Restricted Working Space, Add</i>	32.85	
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	183.18	79.95
			<i>For Extra Heavy Fittings, Add</i>	22.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.99	
			<i>For Work In Restricted Working Space, Add</i>	35.96	
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	244.48	104.78
			<i>For Extra Heavy Fittings, Add</i>	30.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.85	
			<i>For Work In Restricted Working Space, Add</i>	47.11	
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	340.43	121.43
			<i>For Extra Heavy Fittings, Add</i>	55.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.10	
			<i>For Work In Restricted Working Space, Add</i>	54.60	
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	426.37	150.60
			<i>For Extra Heavy Fittings, Add</i>	70.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.29	
			<i>For Work In Restricted Working Space, Add</i>	67.73	
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	785.71	198.34
			<i>For Extra Heavy Fittings, Add</i>	170.93	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.87	
			<i>For Work In Restricted Working Space, Add</i>	89.20	

22 Plumbing
22 10 Plumbing Piping
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,134.92 260.78 19.49 116.95	260.07
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,522.27 357.37 25.06 150.37	334.30
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>					
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.92 16.62 5.72 34.33	76.30
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.64 30.52 7.07 42.43	94.30
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.08 35.71 7.25 43.51	96.69
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	366.63 63.85 9.21 55.26	122.92
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	382.00 68.00 9.39 56.32	125.18
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	404.89 71.63 10.01 60.07	133.55
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	560.20 118.35 11.10 66.62	148.13
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	575.20 118.35 11.85 71.12	158.10
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	727.92 162.47 13.19 79.12	175.87
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes <small>(22 13 16 00-0030)</small>					
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.91 40.95 6.55 39.27	87.35
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	361.49 68.75 8.25 49.52	110.13
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	490.91 98.71 10.44 62.67	139.28
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	941.65 218.97 15.80 94.81	210.78
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,896.07 532.99 18.66 111.98	248.99
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,515.63 734.28 20.88 125.30	278.60
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,736.28 432.27 25.06 150.37	334.30
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,929.62 1,541.16 26.32 157.89	350.85



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0131	Bell And Spigot Cast Iron Reducing Double Wyes <small>(22 13 16 00-0030)</small>			
22 13 16 00-0132	EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 24.16 7.75 46.47	223.93	103.29
22 13 16 00-0133	EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 28.82 8.90 53.39	260.28	118.67
22 13 16 00-0134	EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 33.38 9.34 56.01	282.08	124.48
22 13 16 00-0135	EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 49.83 10.96 65.75	361.54	146.21
22 13 16 00-0136	EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 54.57 11.38 68.26	383.44	151.78
22 13 16 00-0137	EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 67.76 12.41 74.44	441.74	165.52
22 13 16 00-0138	EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 150.45 14.38 86.27	717.45	191.88
22 13 16 00-0139	EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 153.97 17.03 102.15	780.41	227.07
22 13 16 00-0140	EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 159.76 15.39 92.33	764.24	205.25
22 13 16 00-0141	EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 185.15 18.08 108.47	890.56	241.10
22 13 16 00-0142	EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 246.88 19.70 118.21	1,099.41	262.81
22 13 16 00-0143	EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 251.94 20.16 120.93	1,122.94	268.84
22 13 16 00-0144	EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 21.93 349.94 131.57	1,438.40	292.52
22 13 16 00-0145	Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>			
22 13 16 00-0146	EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 26.27 6.55 39.27	205.97	87.35
22 13 16 00-0147	EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 35.78 8.76 52.56	277.43	116.85
22 13 16 00-0148	EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 50.34 10.95 65.70	362.85	146.11
22 13 16 00-0149	EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 156.08 17.66 105.95	799.12	235.56
22 13 16 00-0150	Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>			
22 13 16 00-0151	EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	..... 41.53 7.85 47.11	275.69	104.78
22 13 16 00-0152	EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i> 52.32 8.90 53.39	327.44	118.67

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22 10 Plumbing Piping
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.66 59.38 9.90 59.40	132.11
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	739.54 166.62 13.17 79.04	175.70
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.11 20.48 5.48 32.88	73.11
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.31 25.00 5.99 35.96	79.95
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.47 56.90 7.35 44.07	97.95
22 13 16 00-0159	EA		5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	449.99 101.29 8.03 48.17	107.05
22 13 16 00-0160	EA		6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	539.83 121.56 9.63 57.76	128.40
22 13 16 00-0161	EA		8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,166.76 320.05 12.62 75.70	168.30
22 13 16 00-0162	EA		10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,756.07 506.91 15.39 92.33	205.25
22 13 16 00-0163	EA		12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,623.91 791.83 18.08 108.47	241.10
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.51 39.22 5.72 34.33	76.30
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.23 46.98 6.70 40.20	89.40
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.16 51.51 6.70 40.20	89.40
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	425.59 84.48 9.21 55.26	122.92
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	443.27 89.44 9.39 56.32	125.18
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	481.02 98.28 10.01 60.07	133.55
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	824.51 205.61 11.85 71.12	158.10
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,036.52 270.48 13.19 79.12	175.87
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.69 11.96 5.48 32.85	73.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0175 EA 3" Bell And Spigot Cast Iron Vent Tee.....	179.36	79.95
<i>For Extra Heavy Fittings, Add</i>	20.82	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.99	
<i>For Work In Restricted Working Space, Add</i>	35.96	
22 13 16 00-0176 EA 4" Bell And Spigot Cast Iron Vent Tee.....	237.64	104.78
<i>For Extra Heavy Fittings, Add</i>	28.21	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.85	
<i>For Work In Restricted Working Space, Add</i>	47.11	
22 13 16 00-0177 EA 5" Bell And Spigot Cast Iron Vent Tee.....	302.25	121.43
<i>For Extra Heavy Fittings, Add</i>	42.09	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.10	
<i>For Work In Restricted Working Space, Add</i>	54.60	
22 13 16 00-0178 EA 6" Bell And Spigot Cast Iron Vent Tee.....	380.68	150.60
<i>For Extra Heavy Fittings, Add</i>	54.23	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.29	
<i>For Work In Restricted Working Space, Add</i>	67.73	
22 13 16 00-0179 EA 8" Bell And Spigot Cast Iron Vent Tee.....	657.88	198.34
<i>For Extra Heavy Fittings, Add</i>	126.19	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.87	
<i>For Work In Restricted Working Space, Add</i>	89.20	
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0181 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee.....	147.69	73.00
<i>For Extra Heavy Fittings, Add</i>	13.36	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.48	
<i>For Work In Restricted Working Space, Add</i>	32.85	
22 13 16 00-0182 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee.....	163.05	79.95
<i>For Extra Heavy Fittings, Add</i>	15.11	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.99	
<i>For Work In Restricted Working Space, Add</i>	35.96	
22 13 16 00-0183 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee.....	210.24	104.78
<i>For Extra Heavy Fittings, Add</i>	18.62	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.85	
<i>For Work In Restricted Working Space, Add</i>	47.11	
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		
22 13 16 00-0185 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Cross.....	150.21	73.00
<i>For Extra Heavy Fittings, Add</i>	14.25	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.48	
<i>For Work In Restricted Working Space, Add</i>	32.85	
22 13 16 00-0186 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Cross.....	167.85	79.95
<i>For Extra Heavy Fittings, Add</i>	16.79	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.99	
<i>For Work In Restricted Working Space, Add</i>	35.96	
22 13 16 00-0187 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Cross.....	222.31	104.78
<i>For Extra Heavy Fittings, Add</i>	22.84	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.85	
<i>For Work In Restricted Working Space, Add</i>	47.11	
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)		
22 13 16 00-0189 EA 3" x 2" Bell And Spigot Cast Iron Reducer.....	83.17	41.11
<i>For Extra Heavy Fittings, Add</i>	7.56	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.08	
<i>For Work In Restricted Working Space, Add</i>	18.47	
22 13 16 00-0190 EA 4" x 2" Bell And Spigot Cast Iron Reducer.....	103.95	54.21
<i>For Extra Heavy Fittings, Add</i>	7.91	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.07	
<i>For Work In Restricted Working Space, Add</i>	24.41	
22 13 16 00-0191 EA 4" x 3" Bell And Spigot Cast Iron Reducer.....	111.30	54.66
<i>For Extra Heavy Fittings, Add</i>	10.28	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	24.58	
22 13 16 00-0192 EA 6" x 2" Bell And Spigot Cast Iron Reducer.....	140.19	65.00
<i>For Extra Heavy Fittings, Add</i>	14.93	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.88	
<i>For Work In Restricted Working Space, Add</i>	29.26	
22 13 16 00-0193 EA 6" x 3" Bell And Spigot Cast Iron Reducer.....	146.77	65.86
<i>For Extra Heavy Fittings, Add</i>	16.79	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.94	
<i>For Work In Restricted Working Space, Add</i>	29.64	
22 13 16 00-0194 EA 6" x 4" Bell And Spigot Cast Iron Reducer.....	151.52	67.26
<i>For Extra Heavy Fittings, Add</i>	17.76	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.04	
<i>For Work In Restricted Working Space, Add</i>	30.23	
22 13 16 00-0195 EA 8" x 2" Bell And Spigot Cast Iron Reducer.....	197.57	69.29
<i>For Extra Heavy Fittings, Add</i>	32.78	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.20	
<i>For Work In Restricted Working Space, Add</i>	31.17	
22 13 16 00-0196 EA 8" x 3" Bell And Spigot Cast Iron Reducer.....	222.69	85.42
<i>For Extra Heavy Fittings, Add</i>	33.12	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.40	
<i>For Work In Restricted Working Space, Add</i>	38.42	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.55 34.01 6.57 39.41	87.60
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.01 34.64 6.85 41.12	91.45
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.51 49.57 7.69 46.16	102.63
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.59 52.48 8.08 48.50	107.78
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.17 57.22 8.43 50.60	112.49
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.96 80.93 9.14 54.82	121.92
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	461.22 86.55 10.70 64.18	142.64
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	498.27 89.12 12.18 73.10	162.49
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	545.25 92.63 14.03 84.18	187.16
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	716.50 152.57 14.03 84.18	187.16
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	762.19 160.91 15.12 90.74	201.74
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	793.48 166.08 15.95 95.69	212.71
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	835.89 173.39 17.03 102.15	227.07
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)					
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.93 12.93 2.45 14.69	32.69
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.32 18.82 3.08 18.47	41.11
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.24 26.36 4.10 24.58	54.66
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.64 56.51 4.51 27.05	60.18
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.64 81.38 5.31 31.84	70.79
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	757.75 217.25 6.85 41.12	91.45
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	839.26 234.70 8.43 50.60	112.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219 EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.97 17.85 2.45 14.69	32.69
22 13 16 00-0220 EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.90 28.47 3.08 18.47	41.11
22 13 16 00-0221 EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.53 44.31 4.10 24.58	54.66
22 13 16 00-0222 EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.33 84.89 5.04 30.23	67.26
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	364.08 88.06 5.62 33.74	74.98
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.24 5.99 35.96	78.92
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	307.26 7.85 47.11	103.75
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	415.79 8.83 52.98	116.81
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	844.09 10.01 60.07	132.37
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,793.21 11.85 71.12	156.35
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,023.97 13.19 79.12	174.44
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.00 8.25 49.52	108.99
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	402.30 10.44 62.67	137.57
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	939.55 12.41 74.44	163.58
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,089.06 15.00 90.02	198.02
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,006.72 14.38 86.27	189.57
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,298.00 17.03 102.15	225.09
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,389.69 19.70 118.21	259.74
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,080.70 22.75 136.48	300.31
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,856.92 26.32 157.95	347.35
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.74 2.44 14.66	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.00 2.74 16.47	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	288.13 3.68 22.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0245	EA		5" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	356.11 4.27 25.63	
22 13 16 00-0246	EA		6" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	432.49 5.16 30.96	
22 13 16 00-0247	EA		8" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	822.95 6.52 39.12	
22 13 16 00-0248			Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA		2", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.60 0.68 4.08	
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.84 0.74 4.45	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.55 0.93 5.57	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.25 1.11 6.68	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.68 1.48 8.90	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.62 1.73 10.39	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.80 2.04 12.24	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.99 2.35 14.10	
22 13 16 00-0257			Joint Material (22 13 16 00-0019) Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material.....	7.77	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material.....	15.65	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket.....	3.17	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket.....	4.34	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket.....	5.40	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket.....	8.95	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket.....	19.74	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket.....	30.28	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket.....	38.57	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket.....	45.81	
22 13 16 00-0268			No Hub Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service Weight. Excludes hangers.		
22 13 16 00-0269			No Hub Cast Iron Pipe (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.84 0.51 3.08	6.83
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.06 0.55 3.30	7.28
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.84 0.80 4.78	10.59
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.73 1.04 6.21	13.78
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.73 1.23 7.39	16.41
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.88 1.34 8.05	17.91
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.30 1.93 11.57	25.77
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.33 2.19 13.16	29.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0278			No Hub Cast Iron Fittings <small>(22 13 16 00-0268)</small>		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep.....	72.59	30.98
			<i>For Below Ground Installation, Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	13.94	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep.....	75.22	32.34
			<i>For Below Ground Installation, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	14.54	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep.....	89.08	37.01
			<i>For Below Ground Installation, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep.....	123.46	48.97
			<i>For Below Ground Installation, Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep.....	173.19	54.17
			<i>For Below Ground Installation, Add</i>	4.06	
			<i>For Work In Restricted Working Space, Add</i>	24.35	
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep.....	205.35	64.58
			<i>For Below Ground Installation, Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	29.07	
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep.....	421.85	83.54
			<i>For Below Ground Installation, Add</i>	6.27	
			<i>For Work In Restricted Working Space, Add</i>	37.59	
22 13 16 00-0287			No Hub Cast Iron Reducing Long Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep.....	116.71	37.01
			<i>For Below Ground Installation, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep.....	176.10	48.97
			<i>For Below Ground Installation, Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0290			No Hub Cast Iron Short Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep.....	69.66	32.34
			<i>For Below Ground Installation, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	14.54	
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep.....	84.68	37.01
			<i>For Below Ground Installation, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep.....	121.15	48.97
			<i>For Below Ground Installation, Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep.....	174.06	54.17
			<i>For Below Ground Installation, Add</i>	4.06	
			<i>For Work In Restricted Working Space, Add</i>	24.35	
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep.....	191.87	64.58
			<i>For Below Ground Installation, Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	29.07	
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep.....	381.10	83.54
			<i>For Below Ground Installation, Add</i>	6.27	
			<i>For Work In Restricted Working Space, Add</i>	37.59	
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep.....	625.36	116.98
			<i>For Below Ground Installation, Add</i>	8.77	
			<i>For Work In Restricted Working Space, Add</i>	52.63	
22 13 16 00-0298			No Hub Cast Iron 1/4 Bends <small>(22 13 16 00-0278)</small>		
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend.....	62.93	30.98
			<i>For Below Ground Installation, Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	13.95	
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend.....	65.84	32.34
			<i>For Below Ground Installation, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	14.54	
22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend.....	78.48	37.01
			<i>For Below Ground Installation, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend.....	107.45	48.97
			<i>For Below Ground Installation, Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend.....	157.04	54.17
			<i>For Below Ground Installation, Add</i>	4.06	
			<i>For Work In Restricted Working Space, Add</i>	24.35	
22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend.....	180.98	64.58
			<i>For Below Ground Installation, Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	29.07	
22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend.....	349.37	83.54
			<i>For Below Ground Installation, Add</i>	6.27	
			<i>For Work In Restricted Working Space, Add</i>	37.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0306			No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend .....59.40		30.98
			<i>For Below Ground Installation, Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	13.95	
22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend.....61.66		32.34
			<i>For Below Ground Installation, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	14.54	
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend.....74.37		37.01
			<i>For Below Ground Installation, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	16.67	
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend.....98.22		48.97
			<i>For Below Ground Installation, Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend.....164.94		72.31
			<i>For Below Ground Installation, Add</i>	5.42	
			<i>For Work In Restricted Working Space, Add</i>	32.54	
22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend.....292.65		94.99
			<i>For Below Ground Installation, Add</i>	7.12	
			<i>For Work In Restricted Working Space, Add</i>	42.71	
22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend.....458.70		116.85
			<i>For Below Ground Installation, Add</i>	8.76	
			<i>For Work In Restricted Working Space, Add</i>	52.56	
22 13 16 00-0314			No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye.....95.93		48.74
			<i>For Below Ground Installation, Add</i>	3.65	
			<i>For Work In Restricted Working Space, Add</i>	21.90	
22 13 16 00-0316	EA		2" No Hub Cast Iron Wye.....122.25		66.06
			<i>For Below Ground Installation, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	29.71	
22 13 16 00-0317	EA		3" No Hub Cast Iron Wye.....140.20		72.31
			<i>For Below Ground Installation, Add</i>	5.42	
			<i>For Work In Restricted Working Space, Add</i>	32.54	
22 13 16 00-0318	EA		4" No Hub Cast Iron Wye.....193.85		94.99
			<i>For Below Ground Installation, Add</i>	7.12	
			<i>For Work In Restricted Working Space, Add</i>	42.71	
22 13 16 00-0319	EA		5" No Hub Cast Iron Wye.....269.50		105.44
			<i>For Below Ground Installation, Add</i>	7.90	
			<i>For Work In Restricted Working Space, Add</i>	47.42	
22 13 16 00-0320	EA		6" No Hub Cast Iron Wye.....319.77		125.18
			<i>For Below Ground Installation, Add</i>	9.39	
			<i>For Work In Restricted Working Space, Add</i>	56.32	
22 13 16 00-0321	EA		8" No Hub Cast Iron Wye.....560.86		167.20
			<i>For Below Ground Installation, Add</i>	12.53	
			<i>For Work In Restricted Working Space, Add</i>	75.18	
22 13 16 00-0322	EA		10" No Hub Cast Iron Wye.....950.23		185.73
			<i>For Below Ground Installation, Add</i>	13.92	
			<i>For Work In Restricted Working Space, Add</i>	83.54	
22 13 16 00-0323			No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324	EA		3" x 1-1/2" No Hub Cast Iron Reducing Wye .....119.53		63.09
			<i>For Below Ground Installation, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	28.35	
22 13 16 00-0325	EA		3" x 2" No Hub Cast Iron Reducing Wye.....133.49		72.31
			<i>For Below Ground Installation, Add</i>	5.42	
			<i>For Work In Restricted Working Space, Add</i>	32.54	
22 13 16 00-0326	EA		4" x 2" No Hub Cast Iron Reducing Wye.....151.90		79.95
			<i>For Below Ground Installation, Add</i>	5.99	
			<i>For Work In Restricted Working Space, Add</i>	35.96	
22 13 16 00-0327	EA		4" x 3" No Hub Cast Iron Reducing Wye.....176.11		88.83
			<i>For Below Ground Installation, Add</i>	6.66	
			<i>For Work In Restricted Working Space, Add</i>	39.96	
22 13 16 00-0328	EA		6" x 2" No Hub Cast Iron Reducing Wye.....230.94		106.51
			<i>For Below Ground Installation, Add</i>	7.99	
			<i>For Work In Restricted Working Space, Add</i>	47.93	
22 13 16 00-0329	EA		6" x 3" No Hub Cast Iron Reducing Wye.....247.13		111.34
			<i>For Below Ground Installation, Add</i>	8.34	
			<i>For Work In Restricted Working Space, Add</i>	50.06	
22 13 16 00-0330	EA		6" x 4" No Hub Cast Iron Reducing Wye.....282.94		130.12
			<i>For Below Ground Installation, Add</i>	9.75	
			<i>For Work In Restricted Working Space, Add</i>	58.51	
22 13 16 00-0331	EA		8" x 4" No Hub Cast Iron Reducing Wye.....374.74		131.46
			<i>For Below Ground Installation, Add</i>	9.86	
			<i>For Work In Restricted Working Space, Add</i>	59.13	
22 13 16 00-0332	EA		8" x 6" No Hub Cast Iron Reducing Wye.....435.95		144.50
			<i>For Below Ground Installation, Add</i>	10.83	
			<i>For Work In Restricted Working Space, Add</i>	64.97	
22 13 16 00-0333	EA		10" x 4" No Hub Cast Iron Reducing Wye.....695.40		153.93
			<i>For Below Ground Installation, Add</i>	11.54	
			<i>For Work In Restricted Working Space, Add</i>	69.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	733.15 12.35 74.12	164.79
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	847.51 13.19 79.14	175.97
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.21 4.25 25.50	56.71
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.19 4.95 29.71	66.06
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.27 5.42 32.54	72.31
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.83 7.12 42.71	94.99
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	398.94 10.95 65.70	146.11
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	732.51 14.05 84.32	187.46
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	858.13 16.99 101.93	226.63
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.34 4.95 29.71	66.06
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.03 5.42 32.54	72.31
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.97 5.99 35.96	79.95
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.96 6.66 39.96	88.83
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.49 7.99 47.93	106.51
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.04 8.34 50.06	111.34
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.38 9.75 58.51	130.12
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	433.51 9.86 59.13	131.46
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	570.31 10.83 64.97	144.50
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.51 6.16 36.94	82.11
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.56 7.49 44.96	99.99
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.75 8.19 49.16	109.33
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	448.24 11.83 70.95	157.79
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	892.37 15.95 95.69	212.71
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.59 6.82 40.92	91.00

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0362	EA		4" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.88 7.85 47.12	104.78
22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.86 8.56 51.38	114.22
22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	380.28 10.43 62.57	139.13
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.66 7.40 44.37	98.62
22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.77 8.19 49.16	109.33
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	384.82 10.85 65.08	144.75
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	530.97 16.75 100.49	223.45
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.09 6.36 38.18	84.84
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.77 7.40 44.37	98.62
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.81 8.08 48.46	107.74
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)					
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.41 3.58 21.49	47.72
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.41 4.95 29.71	66.06
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.60 5.42 32.54	72.31
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.94 7.12 42.71	94.99
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	270.73 7.90 47.42	105.44
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	318.90 9.39 56.32	125.18
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	633.77 12.53 75.18	167.20
22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)					
22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.15 4.04 24.23	53.86
22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.55 4.73 28.35	63.09
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.07 4.95 29.71	66.06
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.98 4.95 29.71	66.06
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.68 6.70 40.20	89.40
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.46 6.70 40.20	89.40



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.73 7.51 45.05	100.19
	22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.17 7.51 45.05	100.19
	22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	241.33 7.51 45.05	100.19
	22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.26 7.82 46.93	104.37
	22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	496.86 10.57 63.41	141.00
	22 13 16 00-0394			No Hub Cast Iron Sanitary Tapped Tees <small>(22 13 16 00-0278)</small>		
	22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.91 2.42 14.54	32.34
	22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.90 2.78 16.67	37.01
	22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.48 3.67 22.04	48.97
	22 13 16 00-0398			No Hub Cast Iron Cleanout Tees <small>(22 13 16 00-0278)</small>		
	22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.65 2.42 14.54	32.34
	22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.00 2.78 16.67	37.01
	22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.52 3.67 22.04	48.97
	22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.75 5.42 32.54	72.31
	22 13 16 00-0403			No Hub Cast Iron Two-Way Cleanout Tees <small>(22 13 16 00-0278)</small>		
	22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.25 7.12 42.71	94.99
	22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.63 10.82 64.91	144.29
	22 13 16 00-0406			No Hub Cast Iron Cleanout Plugs <small>(22 13 16 00-0278)</small>		
	22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.04 2.42 14.54	32.34
	22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.04 2.78 16.67	37.01
	22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.08 3.67 22.04	48.97
	22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.28 5.42 32.54	72.31
	22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.06 7.12 42.71	94.99
	22 13 16 00-0412			No Hub Cast Iron Sanitary Crosses <small>(22 13 16 00-0278)</small>		
	22 13 16 00-0413	EA		1-1/2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.12 4.79 28.71	63.78
	22 13 16 00-0414	EA		2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.81 4.95 29.71	66.06
	22 13 16 00-0415	EA		3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.38 5.42 32.54	72.31
	22 13 16 00-0416	EA		4" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.18 7.12 42.71	94.99

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)					
22 13 16 00-0418	EA		3" x 2" No Hub Cast Iron Sanitary Cross	179.29	84.84
			<i>For Below Ground Installation, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	38.17	
22 13 16 00-0419	EA		4" x 2" No Hub Cast Iron Sanitary Cross	204.53	87.35
			<i>For Below Ground Installation, Add</i>	6.55	
			<i>For Work In Restricted Working Space, Add</i>	39.29	
22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross	225.47	91.23
			<i>For Below Ground Installation, Add</i>	6.83	
			<i>For Work In Restricted Working Space, Add</i>	41.01	
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)					
22 13 16 00-0422	EA		3" x 2" No Hub Cast Iron Reducer	111.36	66.06
			<i>For Below Ground Installation, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	29.71	
22 13 16 00-0423	EA		4" x 2" No Hub Cast Iron Reducer	152.81	89.40
			<i>For Below Ground Installation, Add</i>	6.70	
			<i>For Work In Restricted Working Space, Add</i>	40.20	
22 13 16 00-0424	EA		4" x 3" No Hub Cast Iron Reducer	153.39	89.40
			<i>For Below Ground Installation, Add</i>	6.70	
			<i>For Work In Restricted Working Space, Add</i>	40.20	
22 13 16 00-0425	EA		5" x 2" No Hub Cast Iron Reducer	177.79	100.19
			<i>For Below Ground Installation, Add</i>	7.51	
			<i>For Work In Restricted Working Space, Add</i>	45.05	
22 13 16 00-0426	EA		5" x 3" No Hub Cast Iron Reducer	181.61	100.19
			<i>For Below Ground Installation, Add</i>	7.51	
			<i>For Work In Restricted Working Space, Add</i>	45.05	
22 13 16 00-0427	EA		5" x 4" No Hub Cast Iron Reducer	183.13	100.19
			<i>For Below Ground Installation, Add</i>	7.51	
			<i>For Work In Restricted Working Space, Add</i>	45.05	
22 13 16 00-0428	EA		6" x 3" No Hub Cast Iron Reducer	214.53	111.34
			<i>For Below Ground Installation, Add</i>	8.34	
			<i>For Work In Restricted Working Space, Add</i>	50.06	
22 13 16 00-0429	EA		6" x 4" No Hub Cast Iron Reducer	215.11	111.34
			<i>For Below Ground Installation, Add</i>	8.34	
			<i>For Work In Restricted Working Space, Add</i>	50.06	
22 13 16 00-0430	EA		6" x 5" No Hub Cast Iron Reducer	216.84	111.34
			<i>For Below Ground Installation, Add</i>	8.34	
			<i>For Work In Restricted Working Space, Add</i>	50.06	
22 13 16 00-0431	EA		8" x 2" No Hub Cast Iron Reducer	297.45	156.02
			<i>For Below Ground Installation, Add</i>	11.70	
			<i>For Work In Restricted Working Space, Add</i>	70.17	
22 13 16 00-0432	EA		8" x 3" No Hub Cast Iron Reducer	301.84	156.02
			<i>For Below Ground Installation, Add</i>	11.70	
			<i>For Work In Restricted Working Space, Add</i>	70.17	
22 13 16 00-0433	EA		8" x 4" No Hub Cast Iron Reducer	308.91	156.02
			<i>For Below Ground Installation, Add</i>	11.70	
			<i>For Work In Restricted Working Space, Add</i>	70.17	
22 13 16 00-0434	EA		8" x 5" No Hub Cast Iron Reducer	316.27	156.02
			<i>For Below Ground Installation, Add</i>	11.70	
			<i>For Work In Restricted Working Space, Add</i>	70.17	
22 13 16 00-0435	EA		8" x 6" No Hub Cast Iron Reducer	317.13	156.02
			<i>For Below Ground Installation, Add</i>	11.70	
			<i>For Work In Restricted Working Space, Add</i>	70.17	
22 13 16 00-0436	EA		10" x 4" No Hub Cast Iron Reducer	383.14	164.57
			<i>For Below Ground Installation, Add</i>	12.33	
			<i>For Work In Restricted Working Space, Add</i>	74.01	
22 13 16 00-0437	EA		10" x 6" No Hub Cast Iron Reducer	410.55	171.81
			<i>For Below Ground Installation, Add</i>	12.88	
			<i>For Work In Restricted Working Space, Add</i>	77.30	
22 13 16 00-0438	EA		10" x 8" No Hub Cast Iron Reducer	462.77	186.50
			<i>For Below Ground Installation, Add</i>	13.98	
			<i>For Work In Restricted Working Space, Add</i>	83.88	
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)					
22 13 16 00-0440	EA		1-1/2" No Hub Cast Iron Blind Plug.....	30.32	15.50
			<i>For Below Ground Installation, Add</i>	1.16	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 13 16 00-0441	EA		2" No Hub Cast Iron Blind Plug.....	31.02	16.18
			<i>For Below Ground Installation, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	7.27	
22 13 16 00-0442	EA		3" No Hub Cast Iron Blind Plug.....	39.82	18.56
			<i>For Below Ground Installation, Add</i>	1.39	
			<i>For Work In Restricted Working Space, Add</i>	8.33	
22 13 16 00-0443	EA		4" No Hub Cast Iron Blind Plug.....	52.86	24.48
			<i>For Below Ground Installation, Add</i>	1.84	
			<i>For Work In Restricted Working Space, Add</i>	11.01	
22 13 16 00-0444	EA		5" No Hub Cast Iron Blind Plug.....	71.30	27.56
			<i>For Below Ground Installation, Add</i>	2.07	
			<i>For Work In Restricted Working Space, Add</i>	12.39	



	Plumbing 22
	Plumbing Piping 22 10
	Facility Sanitary Sewerage 22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0445	EA		6" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.77 2.42 14.54	32.29
22 13 16 00-0446	EA		8" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.17 3.13 18.78	41.78
22 13 16 00-0447	EA		10" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.81 3.37 20.23	44.95
22 13 16 00-0448			No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449	EA		2" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.48 2.42 14.54	32.34
22 13 16 00-0450	EA		3" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.59 2.78 16.67	37.01
22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.57 3.67 22.04	48.97
22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.55 4.09 24.54	54.60
22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	324.57 4.88 29.29	65.12
22 13 16 00-0454			No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.27 3.08 18.47	41.11
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.20 4.10 24.58	54.66
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.08 5.41 32.46	72.20
22 13 16 00-0458			No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.14 3.67 22.04	48.97
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.38 3.67 22.04	48.97
22 13 16 00-0461			No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.75 3.67 22.04	48.97
22 13 16 00-0463			No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.05 3.08 18.47	41.11
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.69 3.08 18.47	41.11
22 13 16 00-0466			No Hub Couplings (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.		
22 13 16 00-0467	EA		1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	10.35 1.35 2.79	
22 13 16 00-0468	EA		2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	10.35 1.35 2.79	
22 13 16 00-0469	EA		3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	12.29 1.60 3.32	
22 13 16 00-0470	EA		4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	14.59 1.90 3.94	
22 13 16 00-0471	EA		5" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	33.73 4.38 9.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0472	EA		6" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	37.07 4.82 10.01	
22 13 16 00-0473	EA		8" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	69.83 9.08 18.85	
22 13 16 00-0474	EA		10" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	96.20 12.51 25.97	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling	12.29	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling	19.06	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling	26.59	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling	22.65	
22 13 16 00-0479			Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts <small>(22 13 16 00-0278)</small> Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	47.51	
22 13 16 00-0481	EA		2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	49.04	
22 13 16 00-0482	EA		3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	51.49	
22 13 16 00-0483	EA		4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	60.07	
22 13 16 00-0484	EA		5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	113.40	
22 13 16 00-0485	EA		6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	155.70	
22 13 16 00-0486	EA		8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	272.78	
22 13 16 00-0487	EA		10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	416.84	
22 13 16 00-0488			Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0268)</small> Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA		Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	11.13 3.34	
22 13 16 00-0490	EA		Cut And Prepare 2" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	13.60 4.08	
22 13 16 00-0491	EA		Cut And Prepare 3" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	14.84 4.45	
22 13 16 00-0492	EA		Cut And Prepare 4" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	18.55 5.57	
22 13 16 00-0493	EA		Cut And Prepare 6" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	22.25 6.68	
22 13 16 00-0494	EA		Cut And Prepare 8" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	29.68 8.90	
22 13 16 00-0495	EA		Cut And Prepare 10" Cast Iron Pipe, No Hub <i>For Work In Restricted Working Space, Add</i>	34.62 10.39	
22 13 16 00-0496			Copper Drain-Waste-Vent (DWV) Pipe <small>(22 13 16 00-0451)</small> See CSI section 22 11 16 00-0451 for copper and brass fittings.		
22 13 16 00-0497	LF		1-1/4" Hard Drawn DWV Copper Tube/Pipe	19.21	5.35
22 13 16 00-0498	LF		1-1/2" Hard Drawn DWV Copper Tube/Pipe	23.00	5.98
22 13 16 00-0499	LF		2" Hard Drawn DWV Copper Tube/Pipe	29.68	7.37
22 13 16 00-0500	LF		3" Hard Drawn DWV Copper Tube/Pipe	63.08	10.21
22 13 16 00-0501	LF		4" Hard Drawn DWV Copper Tube/Pipe	89.11	11.53
22 13 16 00-0502	LF		5" Hard Drawn DWV Copper Tube/Pipe	178.53	13.24
22 13 16 00-0503	LF		6" Hard Drawn DWV Copper Tube/Pipe	254.04	20.51
22 13 16 00-0504			Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 13 16 00-0504)</small> Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0504)</small>		
22 13 16 00-0506			Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0505)</small> Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.		
22 13 16 00-0507	LF		1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	14.13 2.67	
22 13 16 00-0508	LF		2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	17.07 3.25	
22 13 16 00-0509	LF		3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	28.48 4.59	
22 13 16 00-0510	LF		4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	37.01 5.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0511	LF		6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	66.65	
				<i>For Work In Restricted Working Space, Add</i>	6.51	
	22 13 16 00-0512	LF		8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	95.92	
				<i>For Work In Restricted Working Space, Add</i>	8.70	
	22 13 16 00-0513	LF		10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	139.79	
				<i>For Work In Restricted Working Space, Add</i>	11.60	
22 13 16 00-0514				Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0505)</small> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
	22 13 16 00-0515	LF		1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.54	4.78
				<i>For Work In Restricted Working Space, Add</i>	5.48	
	22 13 16 00-0516	LF		2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.09	5.70
				<i>For Work In Restricted Working Space, Add</i>	6.10	
	22 13 16 00-0517	LF		3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	46.36	8.20
				<i>For Work In Restricted Working Space, Add</i>	7.58	
	22 13 16 00-0518	LF		4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	58.45	8.88
				<i>For Work In Restricted Working Space, Add</i>	8.27	
	22 13 16 00-0519	LF		6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	91.48	11.39
				<i>For Work In Restricted Working Space, Add</i>	10.60	
	22 13 16 00-0520	LF		8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	121.89	15.15
				<i>For Work In Restricted Working Space, Add</i>	12.14	
	22 13 16 00-0521	LF		10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	171.52	20.27
				<i>For Work In Restricted Working Space, Add</i>	15.83	
22 13 16 00-0522				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0504)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0523				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <small>(22 13 16 00-0522)</small> Note: Excludes fittings or hangers.		
	22 13 16 00-0524	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	10.98	4.78
				<i>For Work In Restricted Working Space, Add</i>	2.13	
	22 13 16 00-0525	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	13.59	5.70
				<i>For Work In Restricted Working Space, Add</i>	2.56	
	22 13 16 00-0526	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	22.40	8.20
				<i>For Work In Restricted Working Space, Add</i>	3.68	
	22 13 16 00-0527	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	27.62	8.88
				<i>For Work In Restricted Working Space, Add</i>	3.99	
	22 13 16 00-0528	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	41.60	10.73
				<i>For Work In Restricted Working Space, Add</i>	4.82	
	22 13 16 00-0529	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	60.21	14.27
				<i>For Work In Restricted Working Space, Add</i>	6.44	
	22 13 16 00-0530	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	87.99	19.09
				<i>For Work In Restricted Working Space, Add</i>	8.58	
22 13 16 00-0531				Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0522)</small> Note: Excludes fittings or hangers.		
	22 13 16 00-0532	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	9.82	4.78
				<i>For Work In Restricted Working Space, Add</i>	2.13	
	22 13 16 00-0533	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	12.23	5.70
				<i>For Work In Restricted Working Space, Add</i>	2.56	
	22 13 16 00-0534	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	19.81	8.20
				<i>For Work In Restricted Working Space, Add</i>	3.68	
	22 13 16 00-0535	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	24.18	8.88
				<i>For Work In Restricted Working Space, Add</i>	3.99	
	22 13 16 00-0536	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	35.19	10.73
				<i>For Work In Restricted Working Space, Add</i>	4.82	
	22 13 16 00-0537	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe.....	51.20	14.27
				<i>For Work In Restricted Working Space, Add</i>	6.44	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0538	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	78.19 8.58	19.09
22 13 16 00-0539			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)		
22 13 16 00-0540			Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0541	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	36.08 8.54	19.02
22 13 16 00-0542	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	46.10 10.93	24.26
22 13 16 00-0543	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	78.98 14.69	32.57
22 13 16 00-0544	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	120.64 17.09	37.92
22 13 16 00-0545	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	461.57 22.21	49.32
22 13 16 00-0546	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	763.48 29.90	66.39
22 13 16 00-0547	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	1,008.07 39.86	88.49
22 13 16 00-0548			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0539)		
22 13 16 00-0549	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	57.46 8.54	19.02
22 13 16 00-0550	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	58.40 10.93	24.26
22 13 16 00-0551	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	110.61 14.69	32.57
22 13 16 00-0552	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	178.62 17.09	37.92
22 13 16 00-0553	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	349.58 22.21	49.32
22 13 16 00-0554	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	616.30 29.90	66.39
22 13 16 00-0555	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	1,005.43 39.86	88.49
22 13 16 00-0556			Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0539)		
22 13 16 00-0557	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	37.84 8.54	19.02
22 13 16 00-0558	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	45.96 10.93	24.26
22 13 16 00-0559	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	76.35 14.69	32.57
22 13 16 00-0560	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	107.75 17.09	37.92
22 13 16 00-0561	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	428.77 22.21	49.32
22 13 16 00-0562	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	687.25 29.90	66.39
22 13 16 00-0563	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	783.84 39.86	88.49
22 13 16 00-0564			Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0565	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	56.33 12.81	28.47
22 13 16 00-0566	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	74.13 16.40	36.44
22 13 16 00-0567	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	125.29 22.04	48.97
22 13 16 00-0568	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	184.25 25.63	56.95
22 13 16 00-0569	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	685.87 33.31	73.91
22 13 16 00-0570	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	892.59 44.84	99.53
22 13 16 00-0571			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0572	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	71.29 14.01	31.09
22 13 16 00-0573	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	84.65 15.20	33.71
22 13 16 00-0574	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	70.15 15.20	33.71
22 13 16 00-0575	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	102.89 18.96	42.13
22 13 16 00-0576	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	104.96 20.16	44.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0577	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	124.47 21.35	47.38
22 13 16 00-0578	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	209.12 22.55	50.12
22 13 16 00-0579	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	263.56 24.43	54.21
22 13 16 00-0580	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	658.40 30.75	68.22
22 13 16 00-0581	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	2,063.19 38.44	85.30
22 13 16 00-0582	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	2,134.12 41.00	91.00
22 13 16 00-0583			Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0584	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	97.94 17.09	37.92
22 13 16 00-0585	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	132.92 21.87	48.52
22 13 16 00-0586	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	266.32 29.39	65.26
22 13 16 00-0587	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	384.60 34.17	75.85
22 13 16 00-0588			Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0539)		
22 13 16 00-0589	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	119.18 19.48	43.27
22 13 16 00-0590	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	204.89 23.24	51.59
22 13 16 00-0591	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	236.43 25.63	56.95
22 13 16 00-0592	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	425.94 28.02	62.18
22 13 16 00-0593	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	447.60 31.78	70.49
22 13 16 00-0594			Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0539)		
22 13 16 00-0595	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	47.68 9.74	21.64
22 13 16 00-0596	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	87.33 11.62	25.73
22 13 16 00-0597	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	83.41 12.81	28.47
22 13 16 00-0598	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	127.21 14.01	31.09
22 13 16 00-0599	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	137.13 15.89	35.30
22 13 16 00-0600	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	486.81 18.45	41.00
22 13 16 00-0601	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	407.05 19.64	43.62
22 13 16 00-0602	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	1,015.54 23.49	52.16
22 13 16 00-0603	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	857.98 26.05	57.85
22 13 16 00-0604	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	1,153.03 31.03	68.90
22 13 16 00-0605	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	903.66 34.88	77.45
22 13 16 00-0606			Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0539)		
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	69.36 12.81	28.47
22 13 16 00-0608	EA		2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	90.97 16.40	36.44
22 13 16 00-0609	EA		3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	254.27 22.04	48.97
22 13 16 00-0610	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	516.00 25.63	56.95
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	872.36 33.31	73.91
22 13 16 00-0612			Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0539)		
22 13 16 00-0613	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	108.05 17.09	37.92
22 13 16 00-0614	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	88.67 15.89	35.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0615			Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0539)		
22 13 16 00-0616	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes.....	69.94	28.47
			<i>For Work In Restricted Working Space, Add</i>	12.81	
22 13 16 00-0617	EA		2" Polyvinyl Chloride (PVC) DWV Wyes.....	82.04	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.40	
22 13 16 00-0618	EA		3" Polyvinyl Chloride (PVC) DWV Wyes.....	135.39	48.97
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0619	EA		4" Polyvinyl Chloride (PVC) DWV Wyes.....	200.79	56.95
			<i>For Work In Restricted Working Space, Add</i>	25.63	
22 13 16 00-0620	EA		6" Polyvinyl Chloride (PVC) DWV Wyes.....	623.79	73.91
			<i>For Work In Restricted Working Space, Add</i>	33.31	
22 13 16 00-0621	EA		8" Polyvinyl Chloride (PVC) DWV Wyes.....	774.67	99.53
			<i>For Work In Restricted Working Space, Add</i>	44.84	
22 13 16 00-0622	EA		10" Polyvinyl Chloride (PVC) DWV Wyes.....	1,019.66	132.67
			<i>For Work In Restricted Working Space, Add</i>	59.79	
22 13 16 00-0623			Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0539)		
22 13 16 00-0624	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	95.30	31.09
			<i>For Work In Restricted Working Space, Add</i>	14.01	
22 13 16 00-0625	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	98.85	33.71
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 13 16 00-0626	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	138.88	42.13
			<i>For Work In Restricted Working Space, Add</i>	18.96	
22 13 16 00-0627	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	115.07	44.76
			<i>For Work In Restricted Working Space, Add</i>	20.16	
22 13 16 00-0628	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	191.32	47.38
			<i>For Work In Restricted Working Space, Add</i>	21.35	
22 13 16 00-0629	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	167.84	50.12
			<i>For Work In Restricted Working Space, Add</i>	22.55	
22 13 16 00-0630	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	189.62	54.21
			<i>For Work In Restricted Working Space, Add</i>	24.43	
22 13 16 00-0631	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	563.65	65.59
			<i>For Work In Restricted Working Space, Add</i>	29.55	
22 13 16 00-0632	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	697.40	68.22
			<i>For Work In Restricted Working Space, Add</i>	30.75	
22 13 16 00-0633	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	663.96	85.30
			<i>For Work In Restricted Working Space, Add</i>	38.44	
22 13 16 00-0634	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	837.77	91.00
			<i>For Work In Restricted Working Space, Add</i>	41.00	
22 13 16 00-0635	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	765.03	107.39
			<i>For Work In Restricted Working Space, Add</i>	48.40	
22 13 16 00-0636	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	953.13	113.09
			<i>For Work In Restricted Working Space, Add</i>	50.96	
22 13 16 00-0637	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	1,109.32	121.63
			<i>For Work In Restricted Working Space, Add</i>	54.81	
22 13 16 00-0638			Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0539)		
22 13 16 00-0639	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	114.93	37.92
			<i>For Work In Restricted Working Space, Add</i>	17.09	
22 13 16 00-0640	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	147.41	48.52
			<i>For Work In Restricted Working Space, Add</i>	21.87	
22 13 16 00-0641	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	290.48	65.26
			<i>For Work In Restricted Working Space, Add</i>	29.39	
22 13 16 00-0642	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	504.21	75.85
			<i>For Work In Restricted Working Space, Add</i>	34.17	
22 13 16 00-0643	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,032.03	98.62
			<i>For Work In Restricted Working Space, Add</i>	44.42	
22 13 16 00-0644	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,196.95	132.80
			<i>For Work In Restricted Working Space, Add</i>	59.79	
22 13 16 00-0645	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,855.45	176.98
			<i>For Work In Restricted Working Space, Add</i>	79.72	
22 13 16 00-0646			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0539)		
22 13 16 00-0647	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	133.00	43.27
			<i>For Work In Restricted Working Space, Add</i>	19.48	
22 13 16 00-0648	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	246.38	51.59
			<i>For Work In Restricted Working Space, Add</i>	23.24	
22 13 16 00-0649	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	228.75	56.95
			<i>For Work In Restricted Working Space, Add</i>	25.63	
22 13 16 00-0650	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	327.37	62.18
			<i>For Work In Restricted Working Space, Add</i>	28.02	
22 13 16 00-0651	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	414.99	70.49
			<i>For Work In Restricted Working Space, Add</i>	31.78	
22 13 16 00-0652	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	638.59	87.24
			<i>For Work In Restricted Working Space, Add</i>	39.29	
22 13 16 00-0653	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	747.68	104.32
			<i>For Work In Restricted Working Space, Add</i>	46.98	
22 13 16 00-0654	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	950.79	115.71
			<i>For Work In Restricted Working Space, Add</i>	52.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0655	EA			10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,004.75 56.94	126.41
22 13 16 00-0656	EA			10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,303.28 62.07	137.81
22 13 16 00-0657	EA			10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,575.49 69.75	154.88
22 13 16 00-0658				Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
22 13 16 00-0659	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	86.93 12.81	28.47
22 13 16 00-0660	EA			2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	108.54 16.40	36.44
22 13 16 00-0661	EA			3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	215.03 22.04	48.97
22 13 16 00-0662	EA			4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	379.40 25.63	56.95
22 13 16 00-0663				Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
22 13 16 00-0664	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	162.24 15.20	33.71
22 13 16 00-0665	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	257.03 18.96	42.13
22 13 16 00-0666	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	188.33 20.16	44.76
22 13 16 00-0667	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	344.65 22.55	50.12
22 13 16 00-0668	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	373.32 24.43	54.21
22 13 16 00-0669				Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
22 13 16 00-0670	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	128.10 17.09	37.92
22 13 16 00-0671	EA			2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	148.88 21.87	48.52
22 13 16 00-0672	EA			3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	230.01 29.39	65.26
22 13 16 00-0673	EA			4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	809.62 34.17	75.85
22 13 16 00-0674	EA			6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	2,673.90 44.42	98.62
22 13 16 00-0675				Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0539)</small>		
22 13 16 00-0676	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	297.74 19.48	43.27
22 13 16 00-0677	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	479.87 25.63	56.95
22 13 16 00-0678	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	828.52 28.02	62.18
22 13 16 00-0679	EA			4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	749.28 31.78	70.49
22 13 16 00-0680	EA			6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	1,781.11 39.29	87.24
22 13 16 00-0681				Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <small>(22 13 16 00-0539)</small>		
22 13 16 00-0682	EA			2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	184.26 16.40	36.44
22 13 16 00-0683	EA			3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	321.05 22.04	48.97
22 13 16 00-0684	EA			4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	516.08 25.63	56.95
22 13 16 00-0685	EA			6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,362.42 33.31	73.91
22 13 16 00-0686	EA			8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,707.52 44.84	99.53
22 13 16 00-0687	EA			10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	2,265.89 59.79	132.67
22 13 16 00-0688				Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0539)</small>		
22 13 16 00-0689	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	50.87 8.54	19.02
22 13 16 00-0690	EA			2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	72.60 10.93	24.26
22 13 16 00-0691	EA			3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	104.61 14.69	32.57

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0692	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	187.69 17.09	37.92
22 13 16 00-0693	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	432.88 22.21	49.32
22 13 16 00-0694	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	974.67 29.90	66.39
22 13 16 00-0695	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,797.37 39.84	88.49
22 13 16 00-0696			Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0539)		
22 13 16 00-0697	EA		1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	35.11 8.54	19.02
22 13 16 00-0698	EA		2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	43.91 10.93	24.26
22 13 16 00-0699	EA		3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	68.05 14.69	32.57
22 13 16 00-0700	EA		4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	88.31 17.09	37.92
22 13 16 00-0701	EA		6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	247.11 22.21	49.32
22 13 16 00-0702	EA		8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	599.64 29.90	66.39
22 13 16 00-0703	EA		10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	907.67 39.86	88.49
22 13 16 00-0704			Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0539)		
22 13 16 00-0705	EA		1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	20.96 4.27	9.46
22 13 16 00-0706	EA		2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	34.75 5.47	12.19
22 13 16 00-0707	EA		3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	70.31 7.34	16.29
22 13 16 00-0708	EA		4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	133.51 8.54	19.02
22 13 16 00-0709			Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
			Note: In place piping.		
22 13 16 00-0710	EA		1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.35	
22 13 16 00-0711	EA		2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.18	
22 13 16 00-0712	EA		3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.68	
22 13 16 00-0713	EA		4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	15.76	
22 13 16 00-0714	EA		6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	22.54	
22 13 16 00-0715	EA		8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	30.05	
22 13 16 00-0716	EA		10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	36.73	
22 13 16 00-0717			Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
			Note: Aboveground installation.		
22 13 16 00-0718			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0717)		
			Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0719	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	29.95	4.78
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	6.55	
22 13 16 00-0720	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	33.30	5.70
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	7.25	
22 13 16 00-0721	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	46.57	8.20
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 13 16 00-0722	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	54.10	8.88
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	10.01	
22 13 16 00-0723	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	94.37	11.39
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	13.32	
22 13 16 00-0724			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0717)		
			Note: Excludes fittings or hangers.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0725	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	10.53 2.13	4.78
22 13 16 00-0726	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.13 2.56	5.70
22 13 16 00-0727	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	21.74 3.68	8.20
22 13 16 00-0728	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	26.87 3.99	8.88
22 13 16 00-0729	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	43.73 4.82	10.73
22 13 16 00-0730			Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0717)</small>		
22 13 16 00-0731			Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0730)</small>		
22 13 16 00-0732	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	43.01 8.54	19.02
22 13 16 00-0733	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	57.18 10.93	24.26
22 13 16 00-0734	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	112.98 14.69	32.57
22 13 16 00-0735	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	182.37 17.09	37.92
22 13 16 00-0736	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	542.14 22.21	49.32
22 13 16 00-0737			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0730)</small>		
22 13 16 00-0738	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	63.12 8.54	19.02
22 13 16 00-0739	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	76.84 10.93	24.26
22 13 16 00-0740	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	161.78 14.69	32.57
22 13 16 00-0741	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	279.46 17.09	37.92
22 13 16 00-0742			Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0730)</small>		
22 13 16 00-0743	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	45.74 8.54	19.02
22 13 16 00-0744	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	55.28 10.93	24.26
22 13 16 00-0745	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	102.97 14.69	32.57
22 13 16 00-0746	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	163.90 17.09	37.92
22 13 16 00-0747	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	561.63 22.21	49.32
22 13 16 00-0748			Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0749	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	67.47 12.81	28.47
22 13 16 00-0750	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	91.88 16.40	36.44
22 13 16 00-0751	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	168.31 22.04	48.97
22 13 16 00-0752	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	267.66 25.63	56.95
22 13 16 00-0753	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,098.88 33.31	73.91
22 13 16 00-0754			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0755	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	86.18 14.01	31.09
22 13 16 00-0756	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	106.13 15.20	33.71
22 13 16 00-0757	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	86.36 15.20	33.71
22 13 16 00-0758	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	135.66 18.96	42.13
22 13 16 00-0759	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	140.30 20.16	44.76
22 13 16 00-0760	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	333.85 21.35	47.38
22 13 16 00-0761	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	320.35 22.55	50.12
22 13 16 00-0762	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	368.95 24.43	54.21

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0763	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,206.95 30.75	68.22
22 13 16 00-0764		Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0765	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	132.18 17.09	37.92
22 13 16 00-0766	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	182.65 21.87	48.52
22 13 16 00-0767	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	406.27 29.39	65.26
22 13 16 00-0768	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	608.05 34.17	75.85
22 13 16 00-0769		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	150.25 19.48	43.27
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	234.59 23.24	51.59
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	271.35 25.63	56.95
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	497.46 26.39	58.57
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	520.57 29.93	66.40
22 13 16 00-0775		Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0776	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	92.57 12.81	28.47
22 13 16 00-0777	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	105.85 16.40	36.44
22 13 16 00-0778	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	186.76 22.04	48.97
22 13 16 00-0779	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	296.50 25.63	56.95
22 13 16 00-0780	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	885.59 33.31	73.91
22 13 16 00-0781		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	135.65 14.01	31.09
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	138.73 15.20	33.71
22 13 16 00-0784	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	155.24 20.16	44.76
22 13 16 00-0785	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	244.76 22.55	50.12
22 13 16 00-0786	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	279.57 24.43	54.21
22 13 16 00-0787	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	742.42 30.75	68.22
22 13 16 00-0788		Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0789	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	162.99 17.09	37.92
22 13 16 00-0790	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	209.29 21.87	48.52
22 13 16 00-0791	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	450.57 29.39	65.26
22 13 16 00-0792	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	828.20 34.17	75.85
22 13 16 00-0793		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0730)</small>		
22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	189.50 19.48	43.27
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	326.18 23.24	51.59
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	347.21 25.63	56.95
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	521.66 28.02	62.18
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	671.62 31.78	70.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0799			Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0800	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	122.35	28.47
			<i>For Work In Restricted Working Space, Add</i>	12.81	
22 13 16 00-0801	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	158.16	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.40	
22 13 16 00-0802	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	244.00	48.97
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0803	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	415.23	53.63
			<i>For Work In Restricted Working Space, Add</i>	24.14	
22 13 16 00-0804			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0805	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	134.50	33.71
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 13 16 00-0806	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	261.68	42.13
			<i>For Work In Restricted Working Space, Add</i>	18.96	
22 13 16 00-0807	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	191.22	44.76
			<i>For Work In Restricted Working Space, Add</i>	20.16	
22 13 16 00-0808	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	351.43	50.12
			<i>For Work In Restricted Working Space, Add</i>	22.55	
22 13 16 00-0809	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	380.59	54.21
			<i>For Work In Restricted Working Space, Add</i>	24.43	
22 13 16 00-0810			Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0811	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	260.27	48.52
			<i>For Work In Restricted Working Space, Add</i>	21.87	
22 13 16 00-0812	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	530.12	65.26
			<i>For Work In Restricted Working Space, Add</i>	29.39	
22 13 16 00-0813			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small>		
22 13 16 00-0814	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	215.71	43.27
			<i>For Work In Restricted Working Space, Add</i>	19.48	
22 13 16 00-0815	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	510.22	56.95
			<i>For Work In Restricted Working Space, Add</i>	25.63	
22 13 16 00-0816			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0730)</small>		
22 13 16 00-0817	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	136.38	28.47
			<i>For Work In Restricted Working Space, Add</i>	12.81	
22 13 16 00-0818	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	172.19	36.44
			<i>For Work In Restricted Working Space, Add</i>	16.40	
22 13 16 00-0819	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	275.35	48.97
			<i>For Work In Restricted Working Space, Add</i>	22.04	
22 13 16 00-0820	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	462.81	56.95
			<i>For Work In Restricted Working Space, Add</i>	25.63	
22 13 16 00-0821			Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0730)</small>		
22 13 16 00-0822	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	60.58	19.02
			<i>For Work In Restricted Working Space, Add</i>	8.54	
22 13 16 00-0823	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	88.27	24.26
			<i>For Work In Restricted Working Space, Add</i>	10.93	
22 13 16 00-0824	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	128.61	32.57
			<i>For Work In Restricted Working Space, Add</i>	14.69	
22 13 16 00-0825	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	244.45	37.92
			<i>For Work In Restricted Working Space, Add</i>	17.09	
22 13 16 00-0826	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	588.78	49.32
			<i>For Work In Restricted Working Space, Add</i>	22.21	
22 13 16 00-0827			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0828	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	39.54	19.02
			<i>For Work In Restricted Working Space, Add</i>	8.54	
22 13 16 00-0829	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	48.11	24.26
			<i>For Work In Restricted Working Space, Add</i>	10.93	
22 13 16 00-0830	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	80.72	32.57
			<i>For Work In Restricted Working Space, Add</i>	14.69	
22 13 16 00-0831	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	109.29	37.92
			<i>For Work In Restricted Working Space, Add</i>	17.09	
22 13 16 00-0832	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	332.74	49.32
			<i>For Work In Restricted Working Space, Add</i>	22.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <small>(22 13 16 00-0730)</small>		
22 13 16 00-0834 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	60.51 9.74	21.64
22 13 16 00-0835 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	127.68 11.62	25.73
22 13 16 00-0836 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	117.30 12.81	28.47
22 13 16 00-0837 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	193.82 14.01	31.09
22 13 16 00-0838 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	206.89 15.89	35.30
22 13 16 00-0839 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <small>(22 13 16 00-0730)</small>		
22 13 16 00-0840 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	97.11 12.81	28.47
22 13 16 00-0841 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	142.71 16.40	36.44
22 13 16 00-0842 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	476.76 22.04	48.97
22 13 16 00-0843 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	911.67 25.63	56.95
22 13 16 00-0844 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <small>(22 13 16 00-0730)</small>		
22 13 16 00-0845 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	132.90 17.09	37.92
22 13 16 00-0846 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	124.19 15.89	35.30
22 13 16 00-0847 Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <small>(22 13 16 00-0730)</small>		
22 13 16 00-0848 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	28.36 4.27	9.46
22 13 16 00-0849 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	43.26 5.47	12.19
22 13 16 00-0850 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	97.41 7.34	16.29
22 13 16 00-0851 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	189.81 8.54	19.02
22 13 16 00-0852 Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0853 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	44.12 9.74	21.64
22 13 16 00-0854 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	101.67 11.62	25.73
22 13 16 00-0855 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	82.71 12.81	28.47
22 13 16 00-0856 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	191.80 14.01	31.09
22 13 16 00-0857 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	137.04 15.89	35.30
22 13 16 00-0858 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	391.40 18.50	41.08
22 13 16 00-0859 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0860 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	138.28 8.54	19.02
22 13 16 00-0861 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	153.57 10.93	24.26
22 13 16 00-0862 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	173.42 14.69	32.57
22 13 16 00-0863 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	188.72 17.09	37.92
22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0717)</small>		
Note: In place piping.		
22 13 16 00-0865 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.35	
22 13 16 00-0866 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.18	
22 13 16 00-0867 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.68	
22 13 16 00-0868 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	15.76	
22 13 16 00-0869 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	22.54	
22 13 16 00-0870 Elastomeric Flexible Pipe Couplings <small>(22 13 16)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0871	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings <small>(22 13 16 00-0870)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125) <i>For Work In Restricted Working Space, Add</i>	14.10 2.97	4.95
22 13 16 00-0873	EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) <i>For Work In Restricted Working Space, Add</i>	15.17 3.15	5.25
22 13 16 00-0874	EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) <i>For Work In Restricted Working Space, Add</i>	15.96 3.34	5.56
22 13 16 00-0875	EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) <i>For Work In Restricted Working Space, Add</i>	18.27 3.52	5.88
22 13 16 00-0876	EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) <i>For Work In Restricted Working Space, Add</i>	20.54 3.71	6.18
22 13 16 00-0877	EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) <i>For Work In Restricted Working Space, Add</i>	25.79 3.89	6.49
22 13 16 00-0878	EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) <i>For Work In Restricted Working Space, Add</i>	31.08 4.08	6.81
22 13 16 00-0879	EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) <i>For Work In Restricted Working Space, Add</i>	41.73 4.45	7.42
22 13 16 00-0880	EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) <i>For Work In Restricted Working Space, Add</i>	54.70 5.20	8.65

22 13 16 00-0881	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings <small>(22 13 16 00-0870)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) <i>For Work In Restricted Working Space, Add</i>	15.00 3.15	5.25
22 13 16 00-0883	EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) <i>For Work In Restricted Working Space, Add</i>	16.24 3.34	5.56
22 13 16 00-0884	EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) <i>For Work In Restricted Working Space, Add</i>	19.62 3.52	5.88
22 13 16 00-0885	EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) <i>For Work In Restricted Working Space, Add</i>	17.78 3.52	5.88
22 13 16 00-0886	EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) <i>For Work In Restricted Working Space, Add</i>	23.86 3.71	6.18
22 13 16 00-0887	EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) <i>For Work In Restricted Working Space, Add</i>	22.92 3.71	6.18
22 13 16 00-0888	EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) <i>For Work In Restricted Working Space, Add</i>	21.17 3.71	6.18
22 13 16 00-0889	EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) <i>For Work In Restricted Working Space, Add</i>	29.89 3.89	6.49
22 13 16 00-0890	EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) <i>For Work In Restricted Working Space, Add</i>	27.22 3.89	6.49
22 13 16 00-0891	EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) <i>For Work In Restricted Working Space, Add</i>	36.60 4.08	6.81
22 13 16 00-0892	EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) <i>For Work In Restricted Working Space, Add</i>	32.60 4.08	6.81
22 13 16 00-0893	EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) <i>For Work In Restricted Working Space, Add</i>	33.72 4.08	6.81
22 13 16 00-0894	EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) <i>For Work In Restricted Working Space, Add</i>	65.88 7.42	12.37
22 13 16 00-0895	EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) <i>For Work In Restricted Working Space, Add</i>	54.79 7.42	12.37
22 13 16 00-0896	EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) <i>For Work In Restricted Working Space, Add</i>	68.76 8.35	13.91

22 13 16 00-0897	Elastomeric Flexible Pipe Caps (Fernco QC) <small>(22 13 16)</small> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898	EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	53.93	33.39
22 13 16 00-0899	EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	57.77	35.49
22 13 16 00-0900	EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	66.82	40.68
22 13 16 00-0901	EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	88.21	53.79
22 13 16 00-0902	EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	105.68	64.30
22 13 16 00-0903	EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	122.03	74.19
22 13 16 00-0904	EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	162.67	93.97
22 13 16 00-0905	EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	198.14	105.11
22 13 16 00-0906	EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	247.70	116.85

22 13 16 00-0907	Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) <small>(22 13 16)</small>		
22 13 16 00-0908	EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	101.07	25.62
22 13 16 00-0909	EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	106.77	28.47
22 13 16 00-0910	EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	159.44	37.01
22 13 16 00-0911	EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	186.85	42.71
22 13 16 00-0912	EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	217.80	48.40
22 13 16 00-0913	EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	364.41	54.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)

22 13 16 00-0915	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	206.76	25.62
22 13 16 00-0916	EA		2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	212.46	28.47
22 13 16 00-0917	EA		3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	252.79	37.01
22 13 16 00-0918	EA		4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	316.00	42.71
22 13 16 00-0919	EA		5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	431.07	48.40
22 13 16 00-0920	EA		6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	442.45	54.10

22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)

Note: Includes counterflashing collar, deep protective hood and recessed securing screws.

22 13 16 00-0922	EA		1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	392.63	25.62
22 13 16 00-0923	EA		2" Cast Iron Vandal Proof Hooded Vent Cap	398.33	28.47
22 13 16 00-0924	EA		3" Cast Iron Vandal Proof Hooded Vent Cap	458.07	37.01
22 13 16 00-0925	EA		4" Cast Iron Vandal Proof Hooded Vent Cap	515.70	42.71
22 13 16 00-0926	EA		5" Cast Iron Vandal Proof Hooded Vent Cap	601.78	48.40
22 13 16 00-0927	EA		6" Cast Iron Vandal Proof Hooded Vent Cap	657.61	54.10

22 13 19 Sanitary Waste Piping Specialties (22 13)

22 13 19 13 Sanitary Drains (22 13 19)

22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)

22 13 19 13-0002	EA		Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	818.30	122.43
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0003	EA		Bronze Top, 6" Round Top Floor Drain With 2" Outlet	899.17	137.23
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0004	EA		Bronze Top, 6" Round Top Floor Drain With 3" Outlet	877.18	151.81
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0005	EA		Bronze Top, 6" Round Top Floor Drain With 4" Outlet	908.44	167.53
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0006	EA		Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	821.47	137.23
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	850.75	151.81
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	882.01	167.53
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0009	EA		Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,365.88	137.23
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19	13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,395.16	151.81
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19	13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,426.42	167.53
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19	13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,286.59	137.23
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19	13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,315.71	151.81
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19	13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,347.13	167.53
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19	13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,413.32	137.12
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19	13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,442.57	151.81
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19	13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,473.99	167.53
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0018	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,227.28	137.12
	For Chained Grate, Add	48.50	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Bronze Dome Grate, Add	218.50	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0019	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,256.53	151.81
	For Chained Grate, Add	48.50	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Bronze Dome Grate, Add	218.50	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0020	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,287.95	167.53
	For Chained Grate, Add	48.50	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Bronze Dome Grate, Add	218.50	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0021	EA Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,118.93	137.12
	For Chained Grate, Add	48.50	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Bronze Dome Grate, Add	218.50	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0022	EA Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,148.18	151.81
	For Chained Grate, Add	48.50	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Bronze Dome Grate, Add	218.50	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0023	EA Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,179.60	167.53
	For Chained Grate, Add	48.50	
	For Primer Tap, Add	33.50	
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Bronze Dome Grate, Add	218.50	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0024	Square Or Rectangular Top Drains <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	971.98	137.12
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,001.55	151.92
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,032.65	167.53
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,051.26	137.12
	For Galvanized Cast Iron Parts, Add	105.00	
	For Sediment Bucket, Add	22.50	
	For Vandal Proof Screws, Add	11.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22	13	19	13-0029	EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,080.83 105.00 22.50 11.00	151.92
22	13	19	13-0030	EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,111.93 105.00 22.50 11.00	167.53
22	13	19	13-0031	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,400.10 105.00 22.50 11.00	137.12
22	13	19	13-0032	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,429.67 105.00 22.50 11.00	151.92
22	13	19	13-0033	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,460.77 105.00 22.50 11.00	167.53
22	13	19	13-0034	EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	913.84 105.00 22.50 11.00	137.12
22	13	19	13-0035	EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	943.41 105.00 22.50 11.00	151.92
22	13	19	13-0036	EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	974.51 105.00 22.50 11.00	167.53
22	13	19	13-0037	EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,014.26 105.00 22.50 11.00	137.12
22	13	19	13-0038	EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,043.83 105.00 22.50 11.00	151.92
22	13	19	13-0039	EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,074.93 105.00 22.50 11.00	167.53
22	13	19	13-0040	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,297.03 105.00 22.50 11.00	137.12
22	13	19	13-0041	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,326.60 105.00 22.50 11.00	151.92
22	13	19	13-0042	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,357.70 105.00 22.50 11.00	167.53
22	13	19	13-0043	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,366.81 48.50 76.00 318.00	151.92
22	13	19	13-0044	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,397.91 48.50 76.00 318.00	167.53
22	13	19	13-0045	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	4,228.34 48.50 76.00 318.00	151.92
22	13	19	13-0046	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	4,259.44 48.50 76.00 318.00	167.53
22	13	19	13-0047	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	4,125.28 48.50 76.00 318.00	151.92
22	13	19	13-0048	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	4,156.38 48.50 76.00 318.00	167.53
22	13	19	13-0049	EA 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	1,421.24 22.50 11.00 120.94	137.12

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19	13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,450.81	151.92
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,481.91	167.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,830.87	137.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,860.44	151.92
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,891.54	167.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,926.01	137.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,955.58	151.92
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,986.68	167.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,663.34	137.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,692.91	151.92
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,724.01	167.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,336.68	137.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,366.25	151.92
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,397.35	167.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,685.52	137.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,715.09	151.92
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,746.19	167.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,780.66	137.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,810.23	151.92
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,841.33	167.53
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
22 13 19	13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	2,380.56	137.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0071 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	2,410.13	151.92
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0072 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	2,441.23	167.53
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)		
22 13 19 13-0074 EA 7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	1,341.66	122.43
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0075 EA 7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	1,371.03	137.12
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0076 EA 7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	1,400.28	151.81
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0077 EA 7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	1,431.70	167.53
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0078 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	1,965.65	137.12
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0079 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	1,994.90	151.81
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0080 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	2,026.32	167.53
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0081 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	1,862.58	137.12
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0082 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	1,891.83	151.81
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0083 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	1,923.25	167.53
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)		
22 13 19 13-0085 EA 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,853.21	122.43
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0086 EA 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,882.68	137.12
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0087 EA 12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,911.93	151.81
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0088 EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,943.35	167.53
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,975.77	183.70
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,083.53	137.12
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,113.10	151.92
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,144.20	167.53
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,176.62	183.70
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,891.65	137.12
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,921.22	151.92
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,952.32	167.53
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,984.74	183.70
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,877.40	137.12
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,906.97	151.92
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,938.07	167.53
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,970.49	183.70
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	52.58	12.37
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	58.53	12.37
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	121.04	24.73
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	155.23	24.73
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,352.13	122.43
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0110 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,381.60	137.12
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,410.85	151.81
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0112 Rotary And Lever Drains (22 13 19 13-0102)		
22 13 19 13-0113 EA Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	280.43	82.57
22 13 19 13-0114 EA Lever Drain, 2" Drain, 3" Sink Opening.....	297.50	91.11
22 13 19 13-0115 EA Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	280.43	82.57
22 13 19 13-0116 EA Lever Drain, 2" Drain, 3-1/2" Sink Opening.....	297.50	91.11
22 13 19 13-0117 EA Twist Drain, 1-1/2" Drain, 3" Sink Opening.....	280.43	82.57
22 13 19 13-0118 EA Twist Drain, 2" Drain, 3" Sink Opening.....	297.50	91.11
22 13 19 13-0119 EA Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	280.43	82.57
22 13 19 13-0120 EA Twist Drain, 2" Drain, 3-1/2" Sink Opening.....	297.50	91.11
22 13 19 13-0121 EA Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	386.45	91.11
22 13 19 13-0122 Floor Receptor (22 13 19 13)		
22 13 19 13-0123 9" Diameter Round Shallow Receptor (22 13 19 13-0122)		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	1,659.28	137.23
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	1,688.99	152.04
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	1,719.76	167.53
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top.....	1,957.42	122.43
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,986.92	137.23
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	2,016.04	151.81
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top..... <i>For Flange With Seepage Holes, Add</i> <i>For Flange With Seepage Holes And Clamp Collar, Add</i> <i>For Trap Primer Connection, Add</i> <i>For Full Grate With 2" Square Center Opening, Add</i> <i>For Vandal Proof Secured Grate, Add</i> <i>For White Acid Resistant Bucket, Add</i> <i>For Stainless Steel Liner For Bucket, Add</i>	2,047.46 37.50 69.00 39.50 36.00 15.50 88.00 97.00	167.53
22 13 19 13-0132			Floor Drain Accessories <small>(22 13 19 13)</small>		
22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H)..... Note: Prevents emission of sewer gases.	112.91	14.24
22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	91.80	14.24
22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	100.24	14.24
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... Note: Prevents emission of sewer gases.	121.35	14.24
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)..... Note: Prevents emission of sewer gases.	108.69	14.24
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	155.37	14.24
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	172.36	14.24
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	214.52	14.24
22 13 19 26			Grease Removal Devices <small>(22 13 19)</small>		
22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA		7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,315.32	85.42
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,329.23	
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,534.16	192.19
			<i>For Flange And Clamp Device, Add</i>	388.28	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,405.62	
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,176.80	213.54
			<i>For Flange And Clamp Device, Add</i>	402.52	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,535.46	
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,629.06	234.89
			<i>For Flange And Clamp Device, Add</i>	416.76	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,659.85	
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	2,943.46	256.24
			<i>For Flange And Clamp Device, Add</i>	461.39	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,729.53	
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,614.57	298.95
			<i>For Flange And Clamp Device, Add</i>	501.07	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	1,904.72	
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,714.55	341.66
			<i>For Flange And Clamp Device, Add</i>	570.49	
			<i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,032.86	
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,265.39	384.37
			<i>For Flange And Clamp Device, Add</i>	800.25	
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,483.34	477.24
			<i>For Flange And Clamp Device, Add</i>	926.17	
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	12,935.92	763.59
			<i>For Flange And Clamp Device, Add</i>	1,277.06	
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	18,561.80	954.48
			<i>For Flange And Clamp Device, Add</i>	1,533.60	
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	21,653.00	1,145.38
			<i>For Flange And Clamp Device, Add</i>	1,973.83	
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A.	28,133.75	1,336.28
			<i>For Flange And Clamp Device, Add</i>	2,338.85	
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	36,396.45	1,527.17
			<i>For Flange And Clamp Device, Add</i>	2,739.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0017				Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA			20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor .....3,784.44	3,784.44	234.89
22 13 19 26-0019	EA			Note: Josam 60115A. 35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor .....4,868.42	4,868.42	298.95
22 13 19 26-0020	EA			Note: Josam 60117A. 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....8,028.98	8,028.98	341.66
22 13 19 26-0021				Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022				Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA			7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor .....3,325.57	3,325.57	85.42
				Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i> .....1,329.23	1,329.23	
22 13 19 26-0024	EA			10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor .....3,910.57	3,910.57	192.19
				Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i> .....1,405.62	1,405.62	
22 13 19 26-0025	EA			15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor .....4,178.30	4,178.30	213.54
				Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i> .....1,535.46	1,535.46	
22 13 19 26-0026	EA			20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor .....5,098.84	5,098.84	234.89
				Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i> .....1,659.85	1,659.85	
22 13 19 26-0027	EA			25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor .....6,146.29	6,146.29	256.24
				Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i> .....1,729.53	1,729.53	
22 13 19 26-0028	EA			35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor .....6,355.69	6,355.69	298.95
				Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i> .....1,904.72	1,904.72	
22 13 19 26-0029	EA			50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor .....7,255.08	7,255.08	341.66
				Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i> .....2,032.86	2,032.86	
22 13 19 26-0030				Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA			35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor .....8,538.07	8,538.07	298.95
				Note: Josam 60115A-SA.		
22 13 19 26-0032				Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small>		
22 13 19 26-0033	EA			20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor .....7,277.34	7,277.34	234.89
				Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0034	EA			25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor .....8,463.33	8,463.33	256.24
				Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).		
22 13 19 26-0035	EA			35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35) .....7,253.73	7,253.73	298.95
22 13 19 26-0036				Precast Concrete Grease Interceptor <small>(22 13 19 26)</small> Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA			1,000 Gallon Pre-Cast Grease Interceptor .....5,140.87	5,140.87	429.90
22 13 19 26-0038	EA			1,250 Gallon Pre-Cast Grease Interceptor .....5,873.48	5,873.48	429.90
22 13 19 26-0039	EA			1,500 Gallon Pre-Cast Grease Interceptor .....6,666.74	6,666.74	491.47
22 13 19 26-0040	EA			2,000 Gallon Pre-Cast Grease Interceptor .....7,604.80	7,604.80	694.07
22 13 19 26-0041	EA			2,500 Gallon Pre-Cast Grease Interceptor .....8,583.06	8,583.06	933.83
22 13 19 26-0042	EA			4,000 Gallon Pre-Cast Grease Interceptor .....12,850.43	12,850.43	1,228.61
22 13 19 26-0043	EA			5,000 Gallon Pre-Cast Grease Interceptor .....16,556.94	16,556.94	2,014.73
22 13 19 26-0044				Coated Steel Manual Oil Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA			10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....10,813.26	10,813.26	325.21
22 13 19 26-0046	EA			15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....14,715.17	14,715.17	386.41
22 13 19 26-0047	EA			20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....17,800.81	17,800.81	475.45
22 13 19 26-0048	EA			25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....19,331.42	19,331.42	515.02
22 13 19 26-0049	EA			35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....23,375.11	23,375.11	562.00
22 13 19 26-0050	EA			50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....31,163.12	31,163.12	618.27
22 13 19 26-0051	EA			75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....53,254.09	53,254.09	711.80
22 13 19 26-0052	EA			100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....57,947.34	57,947.34	875.79
22 13 19 26-0053	EA			150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....71,504.81	71,504.81	949.25
22 13 19 26-0054	EA			200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....100,621.17	100,621.17	1,138.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0055	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	116,327.01	1,224.29
22 13 19 26-0056	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	146,829.42	1,460.03
22 13 19 26-0057	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	178,914.03	1,196.38
22 13 19 26-0058	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	211,924.90	1,423.58
22 13 19 33 Backwater Valves (22 13 19)					
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)					
22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve	590.04	32.69
22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve	602.57	41.11
22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve	870.69	54.66
22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve	2,366.47	74.98
22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve	2,891.27	98.69
22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve	8,427.80	121.75
22 13 19 33-0008	EA		12" Cast Iron Body Terminal Backwater Valve	9,539.69	157.90
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)					
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.					
22 13 19 33-0010	EA		2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,452.53	77.90
22 13 19 33-0011	EA		3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,223.38	94.52
22 13 19 33-0012	EA		4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,748.13	121.86
22 13 19 33-0013	EA		6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,869.03	136.23
22 13 19 33-0014	EA		8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,376.49	161.44
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)					
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.					
22 13 19 33-0016	EA		3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,997.31	123.34
22 13 19 33-0017	EA		4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	4,058.35	164.00
22 13 19 33-0018	EA		5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	5,916.62	201.77
22 13 19 33-0019	EA		6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	5,951.71	224.94
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)					
Note: Oatey.					
22 13 19 33-0021	EA		3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	144.19	41.11
22 13 19 33-0022	EA		4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	173.02	54.66
22 13 19 33-0023	EA		6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	500.59	74.98
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)					
22 13 19 33-0025	EA		3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	339.15	82.23
Note: Includes valve body, flapper assembly and collar.					
22 13 19 33-0026	EA		4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	451.59	109.33
Note: Includes valve body, flapper assembly and collar.					
22 13 19 33-0027	EA		6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	775.54	149.96
Note: Includes valve body, flapper assembly and collar.					
22 13 19 36 Air-Admittance Valves (22 13 19)					
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)					
22 13 19 36-0002	EA		1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	273.66	15.94
22 13 19 36-0003	EA		2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	327.85	15.94
22 13 23 Sanitary Waste Interceptors (22 13)					
22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)					
22 13 23 00-0002	EA		1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)	1,292.85	161.27
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0003	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)	1,294.46	161.27
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0004	EA		1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	1,817.62	161.27
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0005	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	1,817.62	161.27
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,936.05	161.27
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>	332.84 175.00	55.15
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>	339.90 175.00	58.73
22 13 23 00-0010 Sediment Strainers (22 13 23)		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side	186.45	75.09
22 13 29 Sanitary Sewerage Pumps (22 13) Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) (22 13 29 13) Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,077.01	1,366.18
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,405.53	1,366.18
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,734.03	1,366.18
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,047.38	1,366.18
22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,986.73	1,366.18
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,113.09	1,366.18
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,201.53	1,366.18
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,808.01	1,366.18
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	10,401.85	1,366.18
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	11,311.57	1,366.18
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	12,221.29	1,366.18
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	14,034.83	1,818.09
22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,619.83	1,366.18
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,619.83	1,366.18
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,838.74	1,366.18
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,537.28	1,366.18
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,835.24	1,366.18
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	14,139.65	1,818.09
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	14,897.75	1,818.09
22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
22 13 29 13-0030 Float Switches (22 13 29 13-0001) Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	970.38	45.56
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	1,074.12	51.25
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	1,491.60	68.33
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	2,172.61	79.72
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	2,330.44	82.57
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	2,492.96	85.42
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	3,178.28	102.49
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	4,315.83	113.89
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	5,473.16	142.36
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	6,967.41	156.59



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 29 16 Submersible Sewerage Pumps (22 13 29)

22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)

22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16)

29 16-0001

Note: Includes 25' cord.

22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,551.31	82.85
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,654.15	82.85
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,622.51	82.85
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,774.13	82.85
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,774.13	82.85
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,875.51	103.56
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,009.99	103.56
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,027.14	103.56

22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16)

16-0001

Note: Includes 20' cord.

22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,580.31	82.85
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,727.99	82.85
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,658.11	82.85
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,800.50	82.85
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,928.40	82.85
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,793.76	103.56
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,946.71	103.56
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,945.39	103.56
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,225.80	166.93
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,355.01	166.93
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,377.43	166.93
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,379.79	204.03
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,527.46	204.03
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,531.41	204.03

22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16)

16-0001

Note: Includes 20' cord.

22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,875.66	82.85
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,126.17	82.85
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,074.60	103.56
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,226.23	103.56
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,527.74	166.93
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,679.36	166.93
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,683.04	204.03
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,834.67	204.03

22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)

Note: Includes 25' of cord with pump.

22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,578.90	103.56
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0037 EA 1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,883.85	168.14
22 13 29 16-0038 EA 2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,228.23	205.51
22 13 29 16-0039 EA 3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,466.27	249.11
22 13 29 16-0040 EA 5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	6,133.20	292.69
22 13 29 16-0041 EA 7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	6,850.32	336.29
22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof <small>(22 13 29 16)</small>		
<small>Note: Includes 25' of cord with pump.</small>		
22 13 29 16-0043 EA 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,226.35	371.17
22 13 29 16-0044 EA 1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,666.98	371.17
22 13 29 16-0045 EA 1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	6,666.98	371.17
22 13 29 16-0046 EA 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,581.00	494.89
22 13 29 16-0047 EA 1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,021.63	494.89
22 13 29 16-0048 EA 1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,021.63	494.89
22 13 29 16-0049 EA 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,051.03	618.62
22 13 29 16-0050 EA 2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,491.66	618.62
22 13 29 16-0051 EA 2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,491.66	618.62
22 13 29 16-0052 EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,412.69	742.34
22 13 29 16-0053 EA 3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,853.32	742.34
22 13 29 16-0054 EA 3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,853.32	742.34
22 13 29 16-0055 EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,295.24	866.07
22 13 29 16-0056 EA 5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,735.87	866.07
22 13 29 16-0057 EA 5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,735.87	866.07
22 13 29 16-0058 EA 7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,631.26	989.78
22 13 29 16-0059 EA 7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,631.26	989.78
22 13 29 16-0060 Submersible Sewage Pump Accessories <small>(22 13 29 16)</small>		
22 13 29 16-0061 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	754.32	91.83
<small>Note: Includes alarm horn, warning light and alarm float switch.</small>		
22 13 29 16-0062 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	779.52	91.83
<small>Note: Includes alarm horn, warning light, and alarm float switch.</small>		
22 13 29 16-0063 EA Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,544.93	122.44
<small>Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.</small>		
22 13 29 16-0064 EA Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	2,189.92	122.44
<small>Note: Includes alarm horn and warning light. Control float switches not included.</small>		
22 13 29 16-0065 EA Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	4,521.34	122.44
<small>Note: Includes alarm horn and warning light. Control float switches not included.</small>		
22 13 29 16-0066 EA Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	4,730.32	122.44
<small>Note: Includes alarm horn and warning light. Control float switches not included.</small>		
22 13 29 16-0067 EA Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	7,559.87	153.05
<small>Note: Includes alarm horn and warning light. Control float switches not included.</small>		
22 13 29 16-0068 EA Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	6,370.98	153.05
<small>Note: Includes alarm horn and warning light. Control float switches not included.</small>		
22 13 29 16-0069 EA Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps.....	1,710.72	153.05
<small>Note: Includes alarm horn, warning light, and three 20' float switches.</small>		
22 13 29 16-0070 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	1,887.08	153.05
<small>Note: Includes alarm horn, warning light, and three 20' float switches.</small>		
22 13 29 16-0071 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps.....	1,810.24	153.05
<small>Note: Includes alarm horn, warning light, and three 20' float switches.</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0072 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	1,969.18	153.05
Note: Includes alarm horn, warning light, and three 20' float switches.		
22 13 29 16-0073 EA Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps.....	3,388.82	153.05
Note: Includes alarm horn and warning light. Float switches not included..		
22 13 29 16-0074 EA Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure	627.60	61.22
Note: Includes alarm horn, warning light and 15' tethered float.		
22 13 29 16-0075 EA Variable Level (Clamp Type) Float Switch With 15' Cord	116.65	30.61
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0076 EA Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	131.51	30.61
22 13 29 16-0077 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord	150.51	30.61
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0078 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	147.46	30.61
22 13 29 16-0079 EA Float Switch Tree With (3) 15' Floats.....	458.32	30.61
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0080 EA Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	467.80	30.61
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords	510.74	30.61
Note: Not for use with Intrinsically Safe Control Systems.		
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	532.66	30.61
22 13 29 16-0083 EA Float Switch Tree.....	242.28	30.61
Note: Tree only.		
22 13 29 16-0084 EA Adjustable Weight For Float Switch	63.82	15.31
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge	1,289.44	91.83
Note: Lifting equipment not included.		
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge	2,024.64	122.44
Note: Lifting equipment not included.		
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge	2,645.46	153.05
Note: Lifting equipment not included.		
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Sparking, For 3" Horizontal Discharge	2,588.37	91.83
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Sparking, For 4" Horizontal Discharge	3,656.36	91.83
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	366.20	61.22
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems.....	649.76	76.53
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems.....	648.91	91.83
22 13 29 16-0093 EA 12' Stainless Steel Lifting Cable.....	180.48	30.61
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge.....	361.35	30.61
Note: Used for shallow systems where guide rails are not necessary.		

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)

22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)		
22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	157.57	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	204.31	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	468.64	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	659.08	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	849.50	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	988.62	
22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	399.34	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	814.89	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,465.46	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,973.71	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,274.60	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,402.28	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,822.70	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,278.11	

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)		
See CSI section 22 13 16 00-0000 for storm drainage piping.		
22 14 26 Facility Storm Drains (22 14)		
22 14 26 13 Roof Drains (22 14 26)		
22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)		
22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)		
Note: Dome free area is 124 square inches.		
22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	989.45	189.85
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Bronze Dome, Add	448.80	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26	13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,084.36 518.00 130.00 448.80 147.00 357.00	227.77
22 14 26	13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,179.26 518.00 130.00 448.80 147.00 357.00	284.72
22 14 26	13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,583.59 518.00 130.00 448.80 147.00 357.00	341.66
22 14 26	13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,631.03 518.00 130.00 448.80 147.00 357.00	379.58
22 14 26	13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,928.96 518.00 130.00 448.80 147.00 357.00	398.61
22 14 26	13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Bronze Dome, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,611.24 518.00 130.00 448.80 147.00 357.00	412.84
22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint <small>(22 14 26 13-0001)</small>					
Note: With polypropylene dome. Dome free area is 124 square inches.					
22 14 26	13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,532.79 518.00 130.00 147.00 357.00	189.85
22 14 26	13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,665.65 518.00 130.00 147.00 357.00	227.77
22 14 26	13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	1,834.46 518.00 130.00 147.00 357.00	284.72
22 14 26	13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,536.42 518.00 130.00 147.00 357.00	341.66
22 14 26	13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,721.69 518.00 130.00 147.00 357.00	379.58
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top <small>(22 14 26 13-0001)</small>					
22 14 26	13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,121.11 197.00 130.00 147.00 357.00	189.85
22 14 26	13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,216.02 197.00 130.00 147.00 357.00	227.77
22 14 26	13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	2,310.92 197.00 130.00 147.00 357.00	284.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26	13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,698.48	341.66
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,745.92	379.58
			<i>For Galvanized Iron Parts, Add</i>	197.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0022		Cast Iron Scupper Drain With L-Shaped Bronze Grate <small>(22 14 26 13-0001)</small>		
22 14 26	13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,371.52	75.96
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
22 14 26	13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,409.48	94.87
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
22 14 26	13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,426.74	103.52
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	128.00	
			<i>For Galvanized Iron Parts, Add</i>	258.00	
22 14 26	13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,007.52	137.23
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Iron Parts, Add</i>	258.00	
22 14 26	13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,068.06	167.53
			<i>For Vandal Proof Grate, Add</i>	33.00	
			<i>For Galvanized Iron Parts, Add</i>	258.00	
22 14 26	13-0028		Cast Iron Roof Drain With Flat Cast Iron Grate <small>(22 14 26 13-0001)</small>		
			Note: Grate free area is 27 square inches.		
22 14 26	13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,085.85	189.85
			<i>For Galvanized Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26	13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,180.76	227.77
			<i>For Galvanized Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26	13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,275.66	284.72
			<i>For Galvanized Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26	13-0032		Cast Iron Roof Drains With Large Cast Iron Dome <small>(22 14 26 13-0001)</small>		
22 14 26	13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,169.68	189.85
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,264.59	227.77
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,359.49	284.72
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,763.82	341.66
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,811.26	379.58
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,109.19	398.61
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26	13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,791.47	412.84
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add</i>	357.00	



Plumbing	22
Plumbing Piping	22 10
Facility Storm Drainage	22 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0040 Aluminum Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0041 Aluminum Dome Roof Drains <small>(22 14 26 13-0040)</small>		
22 14 26 13-0042 EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	1,201.11	189.85
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0043 EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	1,296.02	227.77
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0044 EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	1,390.92	284.72
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0045 EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,842.69	379.24
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0046 EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	2,140.84	398.61
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0047 EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	2,822.90	412.84
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0048 Retrofit Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0049 Retrofit Copolymer Roof Drains With Copolymer Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0050 EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	865.75	227.77
22 14 26 13-0051 EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	975.70	284.72
22 14 26 13-0052 EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	1,178.26	341.66
22 14 26 13-0053 EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	1,285.88	379.24
22 14 26 13-0054 Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0055 EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome.....	1,001.17	227.77
22 14 26 13-0056 EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome.....	1,105.10	284.72
22 14 26 13-0057 EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome.....	1,316.69	341.66
22 14 26 13-0058 EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome.....	1,382.19	379.24
22 14 26 13-0059 Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0060 EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome.....	871.77	227.77
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061 EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome.....	981.72	284.72
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0062 EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome.....	1,184.28	341.66
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0063 EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome.....	1,243.75	379.24
For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0064 Bronze Downspout Nozzles <small>(22 14 26 13)</small>		
22 14 26 13-0065 EA 2" Outlet, Bronze Roof Drain Downspout Nozzle.....	522.15	113.89
22 14 26 13-0066 EA 3" Outlet, Bronze Roof Drain Downspout Nozzle.....	522.15	113.89
22 14 26 13-0067 EA 4" Outlet, Bronze Roof Drain Downspout Nozzle.....	522.15	113.89
22 14 26 13-0068 EA 5" Outlet, Bronze Roof Drain Downspout Nozzle.....	814.74	142.36
22 14 26 13-0069 EA 6" Outlet, Bronze Roof Drain Downspout Nozzle.....	814.74	142.36
22 14 26 13-0070 EA 8" Outlet, Bronze Roof Drain Downspout Nozzle.....	1,061.50	142.36
22 14 26 16 Facility Area Drains <small>(22 14 26)</small>		
22 14 26 16-0001 Area Drain <small>(22 14 26 16)</small>		
22 14 26 16-0002 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,083.53	137.12
For Ductile Iron Grate, Add	123.50	
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	36.00	
For Galvanized Cast Iron Parts, Add	152.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,113.10	151.92
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0004	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,144.20	167.53
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0005	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,176.62	183.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0006	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,891.65	137.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0007	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,921.22	151.92
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0008	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,952.32	167.53
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0009	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,984.74	183.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0010	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,877.40	137.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0011	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,906.97	151.92
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0012	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,938.07	167.53
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,970.49	183.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,233.69	137.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,263.26	151.92
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,294.36	167.53
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,326.78	183.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Storm Drainage	22 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26	16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,035.96	137.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,065.53	151.92
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,096.63	167.53
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,129.05	183.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,908.63	137.12
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,938.20	151.92
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	5,969.30	167.53
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,001.72	183.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26	16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,365.75	137.12
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,395.32	151.92
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,426.42	167.53
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	821.34	137.12
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	850.91	151.92
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	882.01	167.53
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,286.46	137.12
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,316.03	151.92
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,347.13	167.53
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26	16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,148.56	137.12
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26	16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,178.13	151.92
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	4,209.23	167.53
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	2,692.41	137.12
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	2,721.98	151.92
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	2,753.08	167.53
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	3,894.86	137.12
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	3,924.43	151.92
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Gate And Removable Medium-Deep Sediment Strainer	3,955.53	167.53
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Gate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	

22 14 26 19 Facility Trench Drains (22 14 26)

22 14 26 19-0001		Trench Drain (22 14 26 19)		
		Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,123.53	137.12
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,153.10	151.92
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,184.20	167.53
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	684.93	137.12
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	714.50	151.92
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	745.60	167.53
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,063.77	137.12
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,093.34	151.92
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Gate With Perimeter Drainage Slots	1,124.44	167.53
		<i>For Vandal Proof Screws, Add</i>	48.50	
		<i>For Ductile Iron Gate, Add</i>	66.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	98.25	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Storm Drainage	22 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 985.81	985.81	68.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 547.21	547.21	68.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 926.05	926.05	68.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,779.98	1,779.98	137.12
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,809.55	1,809.55	151.92
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,840.65	1,840.65	167.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,237.28	1,237.28	137.12
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,266.85	1,266.85	151.92
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,297.95	1,297.95	167.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,705.76	1,705.76	137.12
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,735.33	1,735.33	151.92
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots 1,766.43	1,766.43	167.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26	19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,490.79	137.12
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26	19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,520.36	151.92
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26	19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,551.46	167.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26	19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,642.24	68.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26	19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,099.54	68.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26	19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,568.02	68.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26	19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,353.05	68.33
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29	13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,598.61	330.53
			<i>For Explosion Proof Motor, Add</i>	295.95	
22 14 29	13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	6,968.52	400.05
			<i>For Explosion Proof Motor, Add</i>	329.01	
22 14 29	13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	7,957.90	475.28
			<i>For Explosion Proof Motor, Add</i>	425.03	
22 14 29	13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,477.11	584.68
			<i>For Explosion Proof Motor, Add</i>	481.71	
22 14 29	13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	8,949.04	633.69
			<i>For Explosion Proof Motor, Add</i>	703.67	
22 14 29	13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,610.67	760.21
			<i>For Explosion Proof Motor, Add</i>	798.12	
22 14 29	13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,431.05	787.57
			<i>For Explosion Proof Motor, Add</i>	1,308.16	
22 14 29	13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	14,986.34	953.97
			<i>For Explosion Proof Motor, Add</i>	1,736.34	
22 14 29	13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,163.19	1,112.57
			<i>For Explosion Proof Motor, Add</i>	2,251.11	
22 14 29	13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	21,737.20	1,335.56
			<i>For Explosion Proof Motor, Add</i>	2,932.73	
22 14 29	13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	30,205.17	1,483.42
			<i>For Explosion Proof Motor, Add</i>	4,648.61	

22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)

22 14 29	13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,044.88	
22 14 29	13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,143.34	
22 14 29	13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,251.08	
22 14 29	13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,502.17	
22 14 29	13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,679.03	
22 14 29	13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,709.60	
22 14 29	13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,919.20	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 29 13-0021 EA 8" Diameter x 5' Long Extra Column Assembly	2,100.06	
22 14 29 13-0022 Support Plate <small>(22 14 29 13)</small>		
22 14 29 13-0023 EA 24" Steel Support Plate, Round Or Square.....	970.38	45.56
22 14 29 13-0024 EA 30" Steel Support Plate, Round Or Square.....	1,074.12	51.25
22 14 29 13-0025 EA 36" Steel Support Plate, Round Or Square.....	1,491.60	68.33
22 14 29 13-0026 EA 40" Steel Support Plate, Round Or Square.....	2,172.61	79.72
22 14 29 13-0027 EA 42" Steel Support Plate, Round Or Square.....	2,330.44	82.57
22 14 29 13-0028 EA 48" Steel Support Plate, Round Or Square.....	2,492.85	85.42
22 14 29 13-0029 EA 54" Steel Support Plate, Round Or Square.....	3,178.28	102.49
22 14 29 13-0030 EA 60" Steel Support Plate, Round Or Square.....	4,315.83	113.89
22 14 29 13-0031 EA 72" Steel Support Plate, Round Or Square.....	5,765.47	142.36
22 14 29 13-0032 EA 84" Steel Support Plate, Round Or Square.....	6,967.41	156.59

22 14 29 16 Submersible Sump Pumps (22 14 29)

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller <small>(22 14 29 16)</small>		
22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller <small>(22 14 29 16-0001)</small>		
22 14 29 16-0003 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	531.35	74.19
22 14 29 16-0004 EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	589.40	74.19
22 14 29 16-0005 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	929.67	78.52
22 14 29 16-0006 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,021.53	78.52

22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)

Note: Includes 20' of cord with pump.

22 14 29 16-0008 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,570.17	78.52
22 14 29 16-0009 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,708.60	78.52
22 14 29 16-0010 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,794.59	86.56
22 14 29 16-0011 EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,942.59	86.56
22 14 29 16-0012 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,998.82	98.92
22 14 29 16-0013 EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,144.27	98.92
22 14 29 16-0014 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,146.52	117.47
22 14 29 16-0015 EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	2,272.84	117.47

22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)

Note: Includes 20' of cord with pump.

22 14 29 16-0017 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,252.36	74.19
22 14 29 16-0018 EA 1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,293.06	74.19
22 14 29 16-0019 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,614.58	78.52
22 14 29 16-0020 EA 1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,643.18	78.52
22 14 29 16-0021 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,971.31	82.85
22 14 29 16-0022 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,971.31	82.85
22 14 29 16-0023 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,084.90	86.56
22 14 29 16-0024 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,084.90	86.56
22 14 29 16-0025 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,379.43	98.92
22 14 29 16-0026 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,379.43	98.92
22 14 29 16-0027 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,767.75	117.47
22 14 29 16-0028 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,718.24	117.47

22 14 29 19 Sump-Pump Basins and Pits (22 14 29)

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems (22 10)

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**22 15 13 General Service Compressed-Air Piping (22 15)**

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001	EA	Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0002	EA	Combination Steel And Brass (22 15 13 00-0001)		
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	58.76	17.32
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	65.45	21.02
22 15 13 00-0005	EA	Refrigerated Air Dryers With Ambient Air Filters (22 15 13)		
		Note: 120 Voltage, 1 Phase		
22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	838.08	98.72
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	959.68	101.46
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,132.26	104.21
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,275.32	109.69
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,663.45	123.40
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,880.72	140.40
22 15 13 00-0012	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,109.68	159.05
22 15 13 00-0013	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,480.67	178.25
22 15 13 00-0014	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,875.38	208.41
22 15 13 00-0015	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,241.60	222.67
22 15 13 00-0016	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,811.01	246.80
22 15 13 00-0017	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,385.03	274.23
		For 230 Voltage, Add	1,150.97	
22 15 13 00-0018	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,739.05	301.65
		For 230 Voltage, Add	1,240.73	
22 15 13 00-0019	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,102.62	334.56
		For 230 Voltage, Add	1,330.49	
22 15 13 00-0020	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,517.51	356.49
		For 230 Voltage, Add	1,441.36	
22 15 13 00-0021	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,835.31	370.21
		For 230 Voltage, Add	1,528.47	
22 15 13 00-0022	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,139.29	383.91
		For 230 Voltage, Add	2,811.44	
22 15 13 00-0023	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,897.08	397.63
		For 230 Voltage, Add	3,030.55	
22 15 13 00-0024	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,633.74	411.33
		For 230 Voltage, Add	3,243.32	
22 15 13 00-0025	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,826.85	438.76
		For 230 Voltage, Add	3,884.80	
22 15 13 00-0026	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	15,677.66	548.45
		For 230 Voltage, Add	4,374.23	
22 15 13 00-0027	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	22,311.88	658.14
		For 230 Voltage, Add	6,298.68	
22 15 13 00-0028	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	30,310.01	767.82
		For 230 Voltage, Add	8,632.31	
22 15 13 00-0029	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	33,934.80	877.51
		For 230 Voltage, Add	9,653.93	
22 15 13 00-0030	EA	Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0031	EA	0-60 SCFM Oil/Water Separator	754.89	39.59
22 15 13 00-0032	EA	85 SCFM Oil/Water Separator	1,011.46	46.39
22 15 13 00-0033	EA	190 SCFM Oil/Water Separator	1,182.23	52.58
22 15 13 00-0034	EA	245 SCFM Oil/Water Separator	1,484.13	61.86
22 15 13 00-0035	EA	320 SCFM Oil/Water Separator	1,764.06	74.23
22 15 13 00-0036	EA	700 SCFM Oil/Water Separator	3,556.33	154.65
22 15 13 00-0037	EA	Heavy Duty Industrial Pressure Regulator (22 15 13)		
22 15 13 00-0038	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	130.93	32.91
22 15 13 00-0039	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	182.78	43.88
22 15 13 00-0040	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	311.73	54.84
22 15 13 00-0041	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	391.21	82.26
22 15 13 00-0042	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	546.30	95.98
22 15 13 00-0043	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	573.72	109.69
22 15 13 00-0044	EA	Combination Air System; Filter Regulator Lubricator (22 15 13)		
22 15 13 00-0045	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	496.61	98.72
22 15 13 00-0046	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	615.22	131.63
22 15 13 00-0047	EA	Heatless Desiccant Air Dryers (22 15 13)		
22 15 13 00-0048	EA	5 SCFM Heatless Desiccant Air Dryer	2,912.44	98.72
22 15 13 00-0049	EA	10 SCFM Heatless Desiccant Air Dryer	3,501.59	109.69
22 15 13 00-0050	EA	15 SCFM Heatless Desiccant Air Dryer	3,535.85	120.66
22 15 13 00-0051	EA	20 SCFM Heatless Desiccant Air Dryer	4,038.71	137.11
22 15 13 00-0052	EA	30 SCFM Heatless Desiccant Air Dryer	5,563.01	164.53
22 15 13 00-0053	EA	50 SCFM Heatless Desiccant Air Dryer	5,494.95	219.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0054 EA 85 SCFM Heatless Desiccant Air Dryer.....	7,380.38	274.23
22 15 13 00-0055 EA 100 SCFM Heatless Desiccant Air Dryer.....	7,832.90	329.07
22 15 13 00-0056 EA 125 SCFM Heatless Desiccant Air Dryer.....	8,967.55	383.91
22 15 13 00-0057 EA 175 SCFM Heatless Desiccant Air Dryer.....	10,297.37	438.76
22 15 13 00-0058 EA 200 SCFM Heatless Desiccant Air Dryer.....	11,066.16	493.60
22 15 13 00-0059 EA 300 SCFM Heatless Desiccant Air Dryer.....	13,530.58	548.45
22 15 13 00-0060 EA 400 SCFM Heatless Desiccant Air Dryer.....	15,031.17	658.14
22 15 13 00-0061 EA 500 SCFM Heatless Desiccant Air Dryer.....	17,372.99	767.82
22 15 13 00-0062 EA 600 SCFM Heatless Desiccant Air Dryer.....	20,045.67	877.51
22 15 13 00-0063 Air Cooled Aftercoolers (22 15 13)		
22 15 13 00-0064 EA 20 SCFM Air-Cooled Aftercooler.....	735.51	68.56
22 15 13 00-0065 EA 35 SCFM Air-Cooled Aftercooler.....	993.44	82.26
22 15 13 00-0066 EA 43 SCFM Air-Cooled Aftercooler.....	1,091.27	95.98
22 15 13 00-0067 EA 70 SCFM Air-Cooled Aftercooler.....	1,333.40	109.69
22 15 13 00-0068 EA 125 SCFM Air-Cooled Aftercooler.....	1,857.11	123.40
22 15 13 00-0069 EA 185 SCFM Air-Cooled Aftercooler.....	2,085.17	137.11
22 15 13 00-0070 EA 260 SCFM Air-Cooled Aftercooler.....	4,036.12	164.53
22 15 13 00-0071 EA 365 SCFM Air-Cooled Aftercooler.....	4,219.79	191.96
22 15 13 00-0072 EA 560 SCFM Air-Cooled Aftercooler.....	4,402.05	219.38
22 15 13 00-0073 EA 650 SCFM Air-Cooled Aftercooler.....	5,162.26	246.80
22 15 13 00-0074 EA 750 SCFM Air-Cooled Aftercooler.....	5,643.71	274.23
22 15 13 00-0075 EA 900 SCFM Air-Cooled Aftercooler.....	6,471.50	301.65
22 15 13 00-0076 EA 1,100 SCFM Air-Cooled Aftercooler.....	8,307.37	329.07
22 15 13 00-0077 EA 1,460 SCFM Air-Cooled Aftercooler.....	9,501.92	356.49
22 15 13 00-0078 EA 1,800 SCFM Air-Cooled Aftercooler.....	9,811.95	383.91
22 15 13 00-0079 EA 2,500 SCFM Air-Cooled Aftercooler.....	10,521.48	411.33
22 15 13 00-0080 Compressed Air Coalescing Filters (22 15 13)		
22 15 13 00-0081 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)		
22 15 13 00-0082 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	256.41	40.21
22 15 13 00-0083 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	305.69	40.21
22 15 13 00-0084 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	333.90	46.39
22 15 13 00-0085 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	384.46	53.20
22 15 13 00-0086 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	448.40	58.77
22 15 13 00-0087 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	508.34	71.14
22 15 13 00-0088 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	536.09	77.33
22 15 13 00-0089 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	664.28	92.79
22 15 13 00-0090 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	852.86	123.73
22 15 13 00-0091 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	975.30	139.19
22 15 13 00-0092 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0080)		
22 15 13 00-0093 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	312.74	40.21
22 15 13 00-0094 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	339.16	46.39
22 15 13 00-0095 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	389.39	53.20
22 15 13 00-0096 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	458.26	52.58
22 15 13 00-0097 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	519.60	71.14
22 15 13 00-0098 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	589.35	77.33
22 15 13 00-0099 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	676.95	92.79
22 15 13 00-0100 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	873.97	123.73
22 15 13 00-0101 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	1,003.46	139.19
22 15 13 00-0102 Compressed Air Storage Tanks (22 15 13)		
22 15 13 00-0103 Horizontal Compressed Air Storage Tanks (22 15 13 00-0102)		
22 15 13 00-0104 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	421.90	87.75
22 15 13 00-0105 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	749.16	95.98
22 15 13 00-0106 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	793.84	100.92
22 15 13 00-0107 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	905.78	109.69
22 15 13 00-0108 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,181.76	148.08
22 15 13 00-0109 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,428.49	164.53
22 15 13 00-0110 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,149.89	191.96
22 15 13 00-0111 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,214.66	219.38
22 15 13 00-0112 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,585.47	233.09
22 15 13 00-0113 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	5,194.96	246.80
22 15 13 00-0114 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	6,849.22	287.93
22 15 13 00-0115 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	9,861.95	342.77
22 15 13 00-0116 Vertical Compressed Air Storage Tanks (22 15 13 00-0102)		
22 15 13 00-0117 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME.....	697.89	87.75
22 15 13 00-0118 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME.....	731.75	95.98
22 15 13 00-0119 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME.....	793.84	100.92
22 15 13 00-0120 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME.....	940.26	109.69
22 15 13 00-0121 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,285.19	148.08
22 15 13 00-0122 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,478.29	164.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0123	EA		120 Gallon Vertical Compressed Air Storage Tank, ASME	2,041.58	191.96
22 15 13 00-0124	EA		200 Gallon Vertical Compressed Air Storage Tank, ASME	2,991.43	219.38
22 15 13 00-0125	EA		240 Gallon Vertical Compressed Air Storage Tank, ASME	3,300.94	233.09
22 15 13 00-0126	EA		325 Gallon Vertical Compressed Air Storage Tank, ASME	4,498.48	246.80
22 15 13 00-0127	EA		400 Gallon Vertical Compressed Air Storage Tank, ASME	5,768.28	287.93
22 15 13 00-0128	EA		500 Gallon Vertical Compressed Air Storage Tank, ASME	7,529.55	315.35
22 15 13 00-0129	EA		660 Gallon Vertical Compressed Air Storage Tank, ASME	12,536.07	356.49

22 15 19 General Service Packaged Air Compressors and Receivers (22 15)
 Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001 Single Stage Compressor (22 15 19 13)
 Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,089.00	389.17
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,228.33	449.18
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,684.40	530.46
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,197.10	585.30
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,131.88	618.21
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,482.77	640.15
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,157.15	731.62
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,603.94	775.50
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	7,922.41	877.95

22 15 19 13-0011 Two Stage Compressor (22 15 19 13)
 Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	5,905.02	684.02
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,340.78	804.79
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,628.57	877.95
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,572.26	1,170.61
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,161.61	1,170.61
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	8,767.19	1,463.26
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,301.72	1,463.26
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	11,925.26	1,809.87
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	12,797.06	1,864.72
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	13,823.70	2,179.31
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	20,822.86	2,466.91
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	22,370.83	2,787.53
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	24,934.32	3,080.85
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	27,126.13	3,376.45

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)
 Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,086.57	987.31
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,253.05	1,316.42
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,428.83	1,650.47
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	16,687.06	2,103.30
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,092.54	2,474.46
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	23,170.17	2,783.78
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,392.03	3,093.08
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,544.24	3,464.26
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	33,577.08	3,711.70
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	37,694.38	3,999.97
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	49,029.24	4,330.31
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	54,405.81	4,577.76
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	87,378.84	4,948.93
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	109,033.20	5,351.03
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	126,666.62	5,759.32
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	164,843.26	6,186.16
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	187,297.37	6,582.08

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19)
 Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	12,588.01	1,316.42
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,377.48	1,316.42



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0022	EA			7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,056.57	1,650.47
22 15 19 19-0023	EA			7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,920.05	1,650.47
22 15 19 19-0024	EA			10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,032.45	2,103.30
22 15 19 19-0025	EA			10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,945.27	2,103.30
22 15 19 19-0026	EA			15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	19,377.63	2,474.46
22 15 19 19-0027	EA			15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	20,364.46	2,474.46
22 15 19 19-0028	EA			20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	33,564.80	2,783.78
22 15 19 19-0029	EA			25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	36,156.72	3,093.08
22 15 19 19-0030	EA			30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	38,501.94	3,464.26

22 30 Plumbing Equipment ⁽²²⁾

22 31 Domestic Water Softeners ^(22 30)

22 31 13 Residential Domestic Water Softeners ^(22 31)

See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners ^(22 31)

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) ^(22 31 16)

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0001)

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11).....	5,165.86	313.19
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11).....	5,399.67	327.43
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11).....	5,832.19	341.66
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11).....	6,726.17	355.90
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11).....	7,171.94	370.13

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11).....	7,781.78	341.66
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11).....	8,185.61	355.90
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	8,633.58	370.13
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	10,278.24	384.37
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	11,434.97	398.61
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	13,947.35	412.83

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) ^(22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	11,872.84	355.90
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	12,305.35	370.13
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	13,954.43	384.37
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	15,111.16	398.61
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	17,760.43	412.83
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	23,465.46	427.08
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	27,470.39	441.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0002)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	28,853.02	412.83
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	33,350.32	427.08
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	37,302.26	441.31
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	46,999.22	455.54
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	52,052.92	469.78
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	19,503.82	533.85
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	20,370.08	555.20
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	23,214.64	576.56
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	25,392.41	597.91
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	31,034.39	619.26
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	41,176.14	640.62
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	48,496.14	661.96
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	53,034.11	619.26
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	60,950.27	640.62
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	68,515.35	661.96
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	87,234.86	683.32
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	97,418.54	704.67
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,772.89	469.78
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,226.28	491.14
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	7,889.40	512.49
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,495.32	533.85
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,513.92	555.20
22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,393.75	512.49
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,125.33	533.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0055	EA		120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,210.17	555.20
22 31 16 00-0056	EA		150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,429.89	576.56
22 31 16 00-0057	EA		210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	19,682.72	597.91
22 31 16 00-0058	EA		300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	24,686.62	619.26

22 32 Domestic Water Filtration Equipment (22 30)

22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)

22 32 16 00-0001			Commercial Water Filters Housings <small>(22 32 16)</small>		
22 32 16 00-0002			Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0001)</small>		
22 32 16 00-0003			Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0002)</small>		
22 32 16 00-0004	EA		25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,665.22	201.05
22 32 16 00-0005	EA		30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,716.02	216.51
22 32 16 00-0006	EA		60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,890.46	231.98
22 32 16 00-0007	EA		90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,201.80	247.45
22 32 16 00-0008	EA		120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,296.77	262.91
22 32 16 00-0009	EA		150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,003.31	278.38
22 32 16 00-0010	EA		250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,333.64	293.84
22 32 16 00-0011	EA		300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,190.52	309.31
22 32 16 00-0012	EA		500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	16,758.52	324.77
22 32 16 00-0013	EA		600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	18,593.34	340.24

22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)

22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)

22 32 16 00-0016	EA		50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.23	2.48
22 32 16 00-0017	EA		20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.23	2.48
22 32 16 00-0018	EA		10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.23	2.48
22 32 16 00-0019	EA		5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.02	2.48
22 32 16 00-0020	EA		1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	13.78	2.48
22 32 16 00-0021	EA		50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	13.78	2.48
22 32 16 00-0022	EA		20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	14.89	2.48
22 32 16 00-0023	EA		5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	18.75	2.48
22 32 16 00-0024	EA		1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	14.89	2.48
22 32 16 00-0025	EA		50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	17.65	2.48
22 32 16 00-0026	EA		20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	17.65	2.48
22 32 16 00-0027	EA		5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	17.65	2.48
22 32 16 00-0028	EA		1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	19.30	2.48
22 32 16 00-0029	EA		50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	25.37	2.48
22 32 16 00-0030	EA		20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	23.17	2.48
22 32 16 00-0031	EA		5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	23.17	2.48
22 32 16 00-0032	EA		1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	25.37	2.48

22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)

22 32 16 00-0034	EA		50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	23.72	2.48
22 32 16 00-0035	EA		20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	23.72	2.48
22 32 16 00-0036	EA		5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	24.27	2.48
22 32 16 00-0037	EA		1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	25.93	2.48
22 32 16 00-0038	EA		1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	39.17	2.48
22 32 16 00-0039	EA		50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	37.52	2.48
22 32 16 00-0040	EA		20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	37.52	2.48
22 32 16 00-0041	EA		5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	37.52	2.48
22 32 16 00-0042	EA		1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	49.66	2.48
22 32 16 00-0043	EA		1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	70.64	2.48
22 32 16 00-0044	EA		50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	59.04	2.48
22 32 16 00-0045	EA		20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	82.23	2.48
22 32 16 00-0046	EA		5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	85.54	2.48
22 32 16 00-0047	EA		1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	96.58	2.48

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)

22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)

22	Plumbing
22 30	Plumbing Equipment
22 32	Domestic Water Filtration Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 32 16 00-0050	EA		150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	2,094.45	185.59
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22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)

22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)

22 32 16 00-0053	EA		Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	692.72	2.48
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22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)

22 32 16 00-0055	EA		50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	143.50	2.48
22 32 16 00-0056	EA		20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	142.39	2.48
22 32 16 00-0057	EA		5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	142.39	2.48
22 32 16 00-0058	EA		1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	163.37	2.48

22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)

22 32 16 00-0060	EA		150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	380.30	2.48
22 32 16 00-0061	EA		50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	357.11	2.48
22 32 16 00-0062	EA		20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	389.13	2.48
22 32 16 00-0063	EA		5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	407.90	2.48
22 32 16 00-0064	EA		1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	434.39	2.48
22 32 16 00-0065	EA		1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	470.82	2.48

22 33 Electric Domestic Water Heaters (22 30)

22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters

22 33 13 13-0002	EA		3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	541.23	61.82
22 33 13 13-0003	EA		7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	619.59	61.82

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters

Note: Temperature rise decreases with increased flow rate.

22 33 13 16-0002	EA		3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	718.80	92.74
22 33 13 16-0003	EA		12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	784.96	123.66
22 33 13 16-0004	EA		17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,329.13	216.39
22 33 13 16-0005	EA		26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	2,018.33	247.31
22 33 13 16-0006	EA		12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus).....	1,456.01	123.66
22 33 13 16-0007	EA		14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus).....	1,989.55	185.48
22 33 13 16-0008	EA		19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus).....	2,192.38	247.31
22 33 13 16-0009	EA		24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus).....	2,276.22	247.31
22 33 13 16-0010	EA		28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus).....	2,355.40	247.31
22 33 13 16-0011	EA		36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus).....	2,471.85	247.31

22 33 30 Residential, Electric Domestic Water Heaters (22 33)

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA		2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,004.21	194.75
22 33 30 13-0003	EA		10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,233.88	207.12
22 33 30 13-0004	EA		20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,457.38	216.39

22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater	1,557.54	216.39
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater	1,464.61	222.58
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater	1,441.12	228.76
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater	1,609.33	231.85
22 33 30 16-0006 EA 66 Gallon, Electric Domestic Water Heater	2,340.92	238.04
22 33 30 16-0007 EA 80 Gallon, Electric Domestic Water Heater	2,385.08	247.31
22 33 30 16-0008 EA 120 Gallon, Electric Domestic Water Heater	3,174.68	262.76
22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010 EA 30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,672.57	216.39
22 33 30 16-0011 EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,592.70	222.58
22 33 30 16-0012 EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,687.05	228.76
22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)		
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014 EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,727.07	222.58
22 33 30 16-0015 EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,886.87	228.76
22 33 30 16-0016 EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,322.85	238.04
22 33 30 16-0017 EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,525.85	247.31
22 33 30 16-0018 Water Heater Accessories (22 33 30 16)		
22 33 30 16-0019 EA 2 Gallon, Expansion Pressure Tank For Water Heaters	132.45	12.37
22 33 30 16-0020 EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters	156.48	12.37
22 33 30 16-0021 EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters	304.96	12.37
22 33 30 16-0022 EA 14 Gallon, Expansion Pressure Tank For Water Heaters	409.46	12.37
22 33 30 16-0023 EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	76.37	9.27
22 33 30 16-0024 EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	83.34	9.27
22 33 30 16-0025 EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	87.98	9.27
22 33 30 16-0026 EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	104.24	9.27
22 33 30 16-0027 EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	41.42	9.27
22 33 30 16-0028 EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	45.14	9.27
22 33 30 16-0029 EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	50.36	9.27
22 33 30 16-0030 EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	57.08	9.27
22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters (22 33 30)		
22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) (22 33 30 23)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002 EA 80 Gallon, Solar Electric Domestic Water Heater	3,922.75	247.31
22 33 30 23-0003 EA 120 Gallon, Solar Electric Domestic Water Heater	4,702.65	262.76
22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)		
22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)		
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002 EA 3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	7,981.24	216.39
22 33 33 00-0003 EA 3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	8,299.07	216.39
22 33 33 00-0004 EA 6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	8,643.40	216.39
22 33 33 00-0005 EA 3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	8,705.22	247.31
22 33 33 00-0006 EA 6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	9,102.51	247.31
22 33 33 00-0007 EA 9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	9,738.18	247.31
22 33 33 00-0008 EA 12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	10,161.96	247.31
22 33 33 00-0009 EA 15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	10,506.28	247.31
22 33 33 00-0010 EA 18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	10,877.09	247.31
22 33 33 00-0011 EA 6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	11,106.69	247.31
22 33 33 00-0012 EA 9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	9,870.61	247.31
22 33 33 00-0013 EA 12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	10,294.39	247.31
22 33 33 00-0014 EA 15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	10,638.71	247.31
22 33 33 00-0015 EA 18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	11,009.52	247.31
22 33 33 00-0016 EA 24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	13,737.60	247.31
22 33 33 00-0017 EA 9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	10,338.59	309.13
22 33 33 00-0018 EA 12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	10,682.91	309.13
22 33 33 00-0019 EA 15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	11,106.69	309.13
22 33 33 00-0020 EA 18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	11,477.50	309.13
22 33 33 00-0021 EA 24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	14,232.07	309.13
22 33 33 00-0022 EA 30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	15,503.41	309.13
22 33 33 00-0023 EA 36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	16,748.26	309.13
22 33 33 00-0024 EA 9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	11,945.47	370.96
22 33 33 00-0025 EA 12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	12,289.79	370.96
22 33 33 00-0026 EA 15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	12,634.11	370.96
22 33 33 00-0027 EA 18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	13,004.92	370.96

22 Plumbing
22 30 Plumbing Equipment
22 33 Electric Domestic Water Heaters



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0028	EA		24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	15,838.95	370.96
22 33 33 00-0029	EA		30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	17,110.29	370.96
22 33 33 00-0030	EA		36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	18,355.14	370.96
22 33 33 00-0031	EA		45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	20,606.48	370.96
22 33 33 00-0032	EA		54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	21,612.95	370.96
22 33 33 00-0033	EA		60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	25,109.14	370.96
22 33 33 00-0034	EA		75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	29,611.80	370.96
22 33 33 00-0035	EA		90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	37,186.87	370.96
22 33 33 00-0036	EA		9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	13,411.15	494.61
22 33 33 00-0037	EA		12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	13,808.44	494.61
22 33 33 00-0038	EA		15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	14,179.25	494.61
22 33 33 00-0039	EA		18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	14,497.09	494.61
22 33 33 00-0040	EA		24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	17,304.63	494.61
22 33 33 00-0041	EA		30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	18,575.97	494.61
22 33 33 00-0042	EA		36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	19,794.34	494.61
22 33 33 00-0043	EA		45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	22,098.64	494.61
22 33 33 00-0044	EA		54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	23,078.63	494.61
22 33 33 00-0045	EA		60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	26,601.30	494.61
22 33 33 00-0046	EA		75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	31,130.45	494.61
22 33 33 00-0047	EA		90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	38,679.03	494.61
22 33 33 00-0048	EA		12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	14,991.54	556.44
22 33 33 00-0049	EA		15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	15,362.35	556.44
22 33 33 00-0050	EA		18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	15,680.19	556.44
22 33 33 00-0051	EA		24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	18,514.21	556.44
22 33 33 00-0052	EA		30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	19,653.12	556.44
22 33 33 00-0053	EA		36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	20,977.44	556.44
22 33 33 00-0054	EA		45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	23,281.74	556.44
22 33 33 00-0055	EA		54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	24,288.22	556.44
22 33 33 00-0056	EA		60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	27,599.00	556.44
22 33 33 00-0057	EA		75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	32,313.55	556.44
22 33 33 00-0058	EA		90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	39,862.13	556.44
22 33 33 00-0059	EA		15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	16,863.29	618.27
22 33 33 00-0060	EA		18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	17,287.07	618.27
22 33 33 00-0061	EA		24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	20,041.64	618.27
22 33 33 00-0062	EA		30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	21,312.98	618.27
22 33 33 00-0063	EA		36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	22,557.83	618.27
22 33 33 00-0064	EA		45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	24,809.16	618.27
22 33 33 00-0065	EA		54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	25,842.12	618.27
22 33 33 00-0066	EA		60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	29,311.82	618.27
22 33 33 00-0067	EA		75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	33,814.49	618.27
22 33 33 00-0068	EA		90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	41,416.04	618.27
22 33 33 00-0069	EA		15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	18,064.10	741.92
22 33 33 00-0070	EA		18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	18,434.91	741.92
22 33 33 00-0071	EA		24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	21,189.48	741.92
22 33 33 00-0072	EA		30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	22,407.85	741.92
22 33 33 00-0073	EA		36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	23,705.67	741.92
22 33 33 00-0074	EA		45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	25,957.00	741.92
22 33 33 00-0075	EA		54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	26,910.51	741.92
22 33 33 00-0076	EA		60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	30,486.15	741.92
22 33 33 00-0077	EA		75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	35,015.30	741.92
22 33 33 00-0078	EA		90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	42,537.40	741.92
22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) <small>(22 33 33)</small>					
Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.					
22 33 33 00-0080	EA		Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,074.81	216.39
22 33 33 00-0081	EA		Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,241.67	216.39
22 33 33 00-0082	EA		Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	2,427.97	247.31
22 33 33 00-0083	EA		Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	4,334.98	247.31
22 33 33 00-0084	EA		Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	4,988.37	309.13
22 33 33 00-0085	EA		Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	5,509.31	370.96
22 33 33 00-0086	EA		Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	6,510.65	556.44
22 33 33 00-0087 Water Heater Accessories <small>(22 33 33)</small>					
22 33 33 00-0088	EA		Up To 80 Gallon Water Heater Strap	49.91	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts					
22 33 33 00-0089	EA		>80 To 120 Gallon Water Heater Strap	72.95	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts					
22 33 33 00-0090 Removal And Reinstallation Of Water Heater <small>(22 33 33)</small>					
Note: Includes storage and cleaning.					
22 33 33 00-0091	EA		Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	412.18	
22 33 33 00-0092	EA		Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,236.53	

22 33 36 Commerical Domestic Water Electric Booster Heaters (22 33)

22 33 36 16 Commercial Storage Electric Domestic Water Heaters (22 33 36)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0001 Commercial Storage Electric Domestic Water Heaters (22 33 36 16)		
22 33 36 16-0002 EA 150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	41,338.04	814.49
22 33 36 16-0003 EA 150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	43,375.20	814.49
22 33 36 16-0004 EA 150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	45,412.37	814.49
22 33 36 16-0005 EA 150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	47,449.53	814.49
22 33 36 16-0006 EA 150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	51,523.86	814.49
22 33 36 16-0007 EA 150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	55,598.19	814.49
22 33 36 16-0008 EA 150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	58,857.66	814.49
22 33 36 16-0009 EA 200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	44,036.36	957.03
22 33 36 16-0010 EA 200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	46,089.20	957.03
22 33 36 16-0011 EA 200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	48,142.04	957.03
22 33 36 16-0012 EA 200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	50,194.88	957.03
22 33 36 16-0013 EA 200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	54,300.54	957.03
22 33 36 16-0014 EA 200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	58,406.21	957.03
22 33 36 16-0015 EA 200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	61,690.75	957.03
22 33 36 16-0016 EA 200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	66,617.55	957.03
22 33 36 16-0017 EA 250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	45,727.09	1,089.38
22 33 36 16-0018 EA 250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	47,750.32	1,089.38
22 33 36 16-0019 EA 250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	49,773.56	1,089.38
22 33 36 16-0020 EA 250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	51,796.79	1,089.38
22 33 36 16-0021 EA 250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	55,843.27	1,089.38
22 33 36 16-0022 EA 250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	59,889.74	1,089.38
22 33 36 16-0023 EA 250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	63,936.21	1,089.38
22 33 36 16-0024 EA 250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	68,791.98	1,089.38
22 33 36 16-0025 EA 250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	73,647.74	1,089.38
22 33 36 16-0026 EA 300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	50,440.63	1,252.28
22 33 36 16-0027 EA 300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	52,476.82	1,252.28
22 33 36 16-0028 EA 300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	54,513.00	1,252.28
22 33 36 16-0029 EA 300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	58,585.37	1,252.28
22 33 36 16-0030 EA 300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	62,657.74	1,252.28
22 33 36 16-0031 EA 300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	65,915.64	1,252.28
22 33 36 16-0032 EA 300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	72,159.94	1,252.28
22 33 36 16-0033 EA 300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	77,046.79	1,252.28
22 33 36 16-0034 EA 300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	79,490.21	1,252.28
22 33 36 16-0035 EA 300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	81,933.63	1,252.28
22 33 36 16-0036 EA 300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	84,377.06	1,252.28
22 33 36 16-0037 EA 350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	55,989.35	1,476.27
22 33 36 16-0038 EA 350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	57,897.47	1,476.27
22 33 36 16-0039 EA 350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	59,805.58	1,476.27
22 33 36 16-0040 EA 350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	63,621.82	1,476.27
22 33 36 16-0041 EA 350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	67,438.06	1,476.27
22 33 36 16-0042 EA 350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	70,491.05	1,476.27
22 33 36 16-0043 EA 350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	75,070.53	1,476.27
22 33 36 16-0044 EA 350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	79,650.02	1,476.27
22 33 36 16-0045 EA 350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	81,939.76	1,476.27
22 33 36 16-0046 EA 350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	84,229.50	1,476.27
22 33 36 16-0047 EA 350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	86,519.24	1,476.27
22 33 36 16-0048 EA 350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater.....	89,953.86	1,476.27
22 33 36 16-0049 EA 400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	61,395.54	1,628.99
22 33 36 16-0050 EA 400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	63,753.06	1,628.99
22 33 36 16-0051 EA 400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	66,110.59	1,628.99
22 33 36 16-0052 EA 400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	70,825.63	1,628.99
22 33 36 16-0053 EA 400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	75,540.69	1,628.99
22 33 36 16-0054 EA 400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	79,312.73	1,628.99
22 33 36 16-0055 EA 400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	84,970.80	1,628.99
22 33 36 16-0056 EA 400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	90,628.85	1,628.99
22 33 36 16-0057 EA 400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	93,457.88	1,628.99
22 33 36 16-0058 EA 400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	96,286.91	1,628.99
22 33 36 16-0059 EA 400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	99,115.95	1,628.99
22 33 36 16-0060 EA 400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	104,774.01	1,628.99
22 33 36 16-0061 EA 400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	107,603.03	1,628.99
22 33 36 16-0062 EA 500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	71,675.19	1,832.61
22 33 36 16-0063 EA 500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	74,187.65	1,832.61
22 33 36 16-0064 EA 500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	76,700.12	1,832.61
22 33 36 16-0065 EA 500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	81,725.05	1,832.61
22 33 36 16-0066 EA 500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	86,749.98	1,832.61
22 33 36 16-0067 EA 500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	90,769.92	1,832.61
22 33 36 16-0068 EA 500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	96,799.84	1,832.61
22 33 36 16-0069 EA 500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	102,829.76	1,832.61
22 33 36 16-0070 EA 500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	105,844.72	1,832.61
22 33 36 16-0071 EA 500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	108,859.67	1,832.61
22 33 36 16-0072 EA 500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	111,874.63	1,832.61
22 33 36 16-0073 EA 500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	117,904.55	1,832.61
22 33 36 16-0074 EA 500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	120,919.51	1,832.61
22 33 36 16-0075 EA 500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	126,949.43	1,832.61
22 33 36 16-0076 EA 500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	132,979.33	1,832.61
22 33 36 16-0077 EA 600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	84,148.73	2,036.23
22 33 36 16-0078 EA 600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	87,069.91	2,036.23
22 33 36 16-0079 EA 600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	89,991.10	2,036.23
22 33 36 16-0080 EA 600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	95,833.46	2,036.23

22 Plumbing
22 30 Plumbing Equipment
22 33 Electric Domestic Water Heaters



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36	16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	101,675.84	2,036.23
22 33 36	16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	106,349.74	2,036.23
22 33 36	16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	112,379.65	2,036.23
22 33 36	16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	119,390.49	2,036.23
22 33 36	16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	122,895.92	2,036.23
22 33 36	16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	126,401.34	2,036.23
22 33 36	16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	129,906.77	2,036.23
22 33 36	16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	137,898.54	2,036.23
22 33 36	16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	144,909.38	2,036.23
22 33 36	16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	148,414.81	2,036.23
22 33 36	16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	155,425.65	2,036.23
22 33 36	16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	97,030.82	2,718.37
22 33 36	16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	102,983.70	2,718.37
22 33 36	16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	108,936.58	2,718.37
22 33 36	16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	113,698.88	2,718.37
22 33 36	16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	120,842.34	2,718.37
22 33 36	16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	127,985.79	2,718.37
22 33 36	16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	131,557.52	2,718.37
22 33 36	16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	135,129.25	2,718.37
22 33 36	16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	138,700.97	2,718.37
22 33 36	16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	145,844.43	2,718.37
22 33 36	16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	152,987.89	2,718.37
22 33 36	16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	156,559.61	2,718.37
22 33 36	16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	163,703.07	2,718.37
22 33 36	16-0105	EA	1000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	113,606.36	3,492.15
22 33 36	16-0106	EA	1000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	118,703.10	3,492.15
22 33 36	16-0107	EA	1000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	123,799.83	3,492.15
22 33 36	16-0108	EA	1000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	127,877.22	3,492.15
22 33 36	16-0109	EA	1000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	133,993.30	3,492.15
22 33 36	16-0110	EA	1000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	140,109.39	3,492.15
22 33 36	16-0111	EA	1000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	143,167.42	3,492.15
22 33 36	16-0112	EA	1000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	146,225.47	3,492.15
22 33 36	16-0113	EA	1000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	149,283.50	3,492.15
22 33 36	16-0114	EA	1000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	155,399.59	3,492.15
22 33 36	16-0115	EA	1000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	161,515.67	3,492.15
22 33 36	16-0116	EA	1000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	164,573.70	3,492.15
22 33 36	16-0117	EA	1000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	170,689.78	3,492.15
22 33 36	16-0118	EA	1250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	126,054.47	4,072.47
22 33 36	16-0119	EA	1250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	130,737.85	4,072.47
22 33 36	16-0120	EA	1250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	135,421.22	4,072.47
22 33 36	16-0121	EA	1250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	139,167.93	4,072.47
22 33 36	16-0122	EA	1250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	144,787.98	4,072.47
22 33 36	16-0123	EA	1250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	150,408.03	4,072.47
22 33 36	16-0124	EA	1250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	153,218.06	4,072.47
22 33 36	16-0125	EA	1250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	156,028.09	4,072.47
22 33 36	16-0126	EA	1250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	158,838.12	4,072.47
22 33 36	16-0127	EA	1250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	164,458.17	4,072.47
22 33 36	16-0128	EA	1250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	170,078.22	4,072.47
22 33 36	16-0129	EA	1250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	172,888.24	4,072.47
22 33 36	16-0130	EA	1250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	178,508.30	4,072.47
22 33 36	16-0131	EA	1250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	184,128.35	4,072.47
22 33 36	16-0132	EA	1500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	138,307.28	4,886.97
22 33 36	16-0133	EA	1500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	142,832.14	4,886.97
22 33 36	16-0134	EA	1500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	147,356.99	4,886.97
22 33 36	16-0135	EA	1500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	150,976.88	4,886.97
22 33 36	16-0136	EA	1500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	156,406.71	4,886.97
22 33 36	16-0137	EA	1500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	161,836.53	4,886.97
22 33 36	16-0138	EA	1500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	164,551.45	4,886.97
22 33 36	16-0139	EA	1500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	167,266.36	4,886.97
22 33 36	16-0140	EA	1500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	169,981.28	4,886.97
22 33 36	16-0141	EA	1500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	175,411.10	4,886.97
22 33 36	16-0142	EA	1500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	180,840.93	4,886.97
22 33 36	16-0143	EA	1500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	183,555.85	4,886.97
22 33 36	16-0144	EA	1500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	188,985.68	4,886.97
22 33 36	16-0145	EA	1500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	194,415.50	4,886.97

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

00-0001
 Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....	2,189.23	247.31
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....	2,372.95	250.40
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	2,611.27	256.59
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	3,059.14	262.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN).....	3,722.97	278.22
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	3,803.66	278.22
22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	2,366.77	247.31
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	3,722.97	278.22
22 34 30 Residential Gas Domestic Water Heaters (22 34 30)		
22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30 13)		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,628.74	238.04
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,597.56	244.22
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50).....	2,140.21	250.40
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	2,319.22	256.59
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,536.41	262.76
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	3,774.05	278.22
22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30 16)		
22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,018.45	244.22
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50).....	3,446.72	250.40
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,497.26	256.59
22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30 19)		
22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40).....	2,737.55	244.22
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50).....	2,852.39	250.40
22 34 36 Commercial Gas Domestic Water Heaters (22 34 36)		
22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36 13)		
22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)		
Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,836.84	370.96
22 34 36 13-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,298.28	432.79
22 34 36 13-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,030.05	494.61
22 34 36 13-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	7,811.11	494.61
22 34 36 13-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,980.26	494.61
22 34 36 13-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	11,975.45	544.08
22 34 36 13-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	8,696.98	556.44
22 34 36 13-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	12,899.48	612.08
22 34 36 13-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	8,832.06	556.44
22 34 36 13-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	12,304.45	612.08
22 34 36 13-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	9,786.97	680.10
22 34 36 13-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	13,460.99	748.10
22 34 36 13-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,009.19	680.10
22 34 36 13-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	13,541.40	748.10
22 34 36 13-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	10,650.45	741.92
22 34 36 13-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	14,947.87	816.11
22 34 36 13-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	13,529.03	741.92
22 34 36 13-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	17,713.94	816.11
22 34 36 13-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	17,640.97	803.74
22 34 36 13-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	8,809.91	432.79
22 34 36 13-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	10,568.97	476.06
22 34 36 13-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,158.70	494.61

22 Plumbing

22 30 Plumbing Equipment

22 34 Fuel-Fired Domestic Water Heaters



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 13-0024	EA		199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	10,978.38	544.08
22 34 36 13-0025	EA		Sidewall Power Vent System For BTR-120 through BTR-200	2,226.37	309.13
22 34 36 13-0026	EA		Sidewall Power Vent System For BTR-250 through BTR-500	2,435.43	309.13

22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13)

Note: Includes storage and cleaning.

22 34 36 13-0028	EA		Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	562.06	
22 34 36 13-0029	EA		Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,486.22	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA		90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,566.38	370.96
22 34 36 19-0003	EA		120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	7,962.57	370.96
22 34 36 19-0004	EA		154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	9,710.49	432.79
22 34 36 19-0005	EA		180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,107.53	494.61
22 34 36 19-0006	EA		199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,155.78	494.61
22 34 36 19-0007	EA		199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,380.92	494.61
22 34 36 19-0008	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,184.51	544.08
22 34 36 19-0009	EA		250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	11,453.40	556.44
22 34 36 19-0010	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,089.53	612.08
22 34 36 19-0011	EA		275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,006.26	680.10
22 34 36 19-0012	EA		275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	14,715.37	748.10
22 34 36 19-0013	EA		310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,263.57	680.10
22 34 36 19-0014	EA		310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	14,876.19	748.10
22 34 36 19-0015	EA		366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	13,754.17	741.92
22 34 36 19-0016	EA		366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,170.09	816.11
22 34 36 19-0017	EA		390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	16,664.98	741.92
22 34 36 19-0018	EA		390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	19,225.63	816.11

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA		76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,312.00	370.96
22 34 36 19-0021	EA		100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	5,791.52	370.96
22 34 36 19-0022	EA		120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,013.74	370.96
22 34 36 19-0023	EA		120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,111.31	408.06
22 34 36 19-0024	EA		150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,353.76	432.79
22 34 36 19-0025	EA		150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,061.65	476.06
22 34 36 19-0026	EA		199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	10,509.58	494.61
22 34 36 19-0027	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	13,454.97	544.08
22 34 36 19-0028	EA		250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,144.91	556.44
22 34 36 19-0029	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	14,781.05	612.08
22 34 36 19-0030	EA		300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	19,346.93	748.10
22 34 36 19-0031	EA		399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	20,335.27	816.11
22 34 36 19-0032	EA		499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	23,398.18	884.13

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)



Plumbing	22	22
Plumbing Equipment	22 30	
Fuel-Fired Domestic Water Heaters	22 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 23-0001	Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) <small>(22 34 36 23)</small> Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002	EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	95,219.12	1,628.99
22 34 36 23-0003	EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	115,213.61	1,730.80
22 34 36 23-0004	EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	140,086.62	1,832.61
22 34 36 23-0005	EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	167,558.27	1,934.43
22 34 36 23-0006	EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	175,625.61	2,036.23

22 34 36 23-0007	Gas Fired Volume Water Heater (Laars Mighty Therm) <small>(22 34 36 23)</small>		
22 34 36 23-0008	EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	11,787.51	911.79
22 34 36 23-0009	EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	12,783.86	1,025.76
22 34 36 23-0010	EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	14,793.45	1,253.72
22 34 36 23-0011	EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	21,620.38	1,367.69
22 34 36 23-0012	EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	23,767.20	1,595.63
22 34 36 23-0013	EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	27,186.93	1,823.59
22 34 36 23-0014	EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	30,028.26	2,051.54
22 34 36 23-0015	EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	35,924.20	2,279.48
22 34 36 23-0016	EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	37,273.09	2,393.46
22 34 36 23-0017	EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	39,994.13	2,507.43

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)

22 34 36 26-0001	Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters <small>(22 34 36 26)</small>		
22 34 36 26-0002	EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,789.16	1,732.40
22 34 36 26-0003	EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	51,962.43	1,914.77
22 34 36 26-0004	EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,383.97	2,005.94
22 34 36 26-0005	EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	61,070.08	2,188.31

22 34 36 26-0006	Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36 26)</small>		
22 34 36 26-0007	EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,625.82	1,732.40
22 34 36 26-0008	EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	36,043.02	1,914.77
22 34 36 26-0009	EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,402.63	2,005.94
22 34 36 26-0010	EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,810.28	2,188.31

22 34 36 26-0011	Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36 26)</small>		
22 34 36 26-0012	EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,380.14	820.62
22 34 36 26-0013	EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,219.44	911.79
22 34 36 26-0014	EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,828.01	1,094.15
22 34 36 26-0015	EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,267.73	1,139.74
22 34 36 26-0016	EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,821.52	1,367.69
22 34 36 26-0017	EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,745.29	1,641.23
22 34 36 26-0018	EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,581.10	1,732.40
22 34 36 26-0019	EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,137.63	1,869.17
22 34 36 26-0020	EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,530.84	1,960.36
22 34 36 26-0021	EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,620.60	2,005.94

22 34 36 26-0022	Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36 26)</small>		
22 34 36 26-0023	EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,805.11	1,367.69
22 34 36 26-0024	EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,259.05	1,641.23
22 34 36 26-0025	EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,428.58	1,869.17
22 34 36 26-0026	EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,399.24	1,960.36
22 34 36 26-0027	EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,887.59	2,005.94

22 34 36 26-0028	Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36 26)</small>		
22 34 36 26-0029	EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,630.33	1,641.23
22 34 36 26-0030	EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,575.13	1,869.17
22 34 36 26-0031	EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,702.74	2,005.94

22 34 46 Oil-Fired Domestic Water Heaters (22 34)

22	Plumbing
22 30	Plumbing Equipment
22 34	Fuel-Fired Domestic Water Heaters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)

22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)
 Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002 EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E).....	2,266.03	190.43
22 34 46 11-0003 EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	2,234.59	190.43
22 34 46 11-0004 EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	2,335.60	190.43
22 34 46 11-0005 EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	2,468.34	195.38
22 34 46 11-0006 EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	3,157.28	200.31
22 34 46 11-0007 EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	2,657.79	200.31

22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)
 Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009 EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	3,676.90	296.77
22 34 46 11-0010 EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	4,334.50	296.77
22 34 46 11-0011 EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	4,359.79	296.77
22 34 46 11-0012 EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	6,289.55	395.69
22 34 46 11-0013 EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	8,643.07	494.61
22 34 46 11-0014 EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	10,904.56	544.08

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)

22 35 23 13-0001 Steam Driven Water Heaters (22 35 23 13)

22 35 23 13-0002 Constant Flow (22 35 23 13-0001)

22 35 23 13-0003 EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow.....	6,564.45	618.27
22 35 23 13-0004 EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow.....	8,196.85	757.62
22 35 23 13-0005 EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow.....	10,506.29	990.83
22 35 23 13-0006 EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow.....	14,222.34	1,380.09
22 35 23 13-0007 EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow.....	21,019.43	2,273.00
22 35 23 13-0008 EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow.....	22,921.55	2,576.07
22 35 23 13-0009 EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow.....	30,021.30	2,972.38
22 35 23 13-0010 EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow.....	36,113.30	3,512.87

22 35 23 13-0011 Variable Flow (22 35 23 13-0001)

22 35 23 13-0012 EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow.....	9,928.02	1,205.63
22 35 23 13-0013 EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow.....	11,267.20	1,472.10
22 35 23 13-0014 EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	14,376.49	1,903.52
22 35 23 13-0015 EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	18,876.16	2,655.83
22 35 23 13-0016 EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	28,236.44	4,441.63
22 35 23 13-0017 EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	34,291.12	4,891.36
22 35 23 13-0018 EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	39,730.54	5,724.66
22 35 23 13-0019 EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	50,253.90	6,839.27

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 26 Residential Disposers (22 41)

22 41 26 00-0001 Disposals (22 41 26)

22 41 26 00-0002 EA	1/3 HP Insulated Garbage Disposal.....	274.58	67.50
22 41 26 00-0003 EA	1/2 HP Insulated Garbage Disposal.....	315.04	67.50
22 41 26 00-0004 EA	3/4 HP Insulated Garbage Disposal.....	416.18	67.50
22 41 26 00-0005 EA	1 HP Insulated Garbage Disposal.....	517.32	67.50

22 41 39 Residential Faucets, Supplies, and Trim (22 41)

22 41 39 00-0001 Residential Kitchen Faucets (22 41 39)

22 41 39 00-0002 EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....	208.82	56.95
22 41 39 00-0003 EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF).....	240.67	56.95
22 41 39 00-0004 EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF).....	240.67	56.95
22 41 39 00-0005 EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215).....	231.88	56.95
22 41 39 00-0006 EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....	248.99	56.95



Plumbing	22	22
Plumbing Fixtures	22 40	
Residential Plumbing Fixtures	22 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)		
22 41 39 00-0008 EA Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST).....	190.06	41.00
For Faucet With Brass Pop-Up, Add	11.00	
22 41 39 00-0009 EA Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....	190.06	41.00
For Faucet With Brass Pop-Up, Add	11.00	
22 41 39 00-0010 EA Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF).....	137.67	41.00
For Faucet With Brass Pop-Up, Add	16.50	
For Faucet With Plastic Pop-Up, Add	14.00	
22 41 39 00-0011 Residential Bath And Shower Faucets (22 41 39)		
22 41 39 00-0012 EA Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	247.19	49.43
For Faucet With Polished Nickel Or Brass Finish, Add	25.00	
22 41 39 00-0013 EA Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502).....	290.76	49.43
For Faucet With Polished Nickel Or Brass Finish, Add	25.00	
22 41 39 00-0014 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	228.20	49.43
For Faucet With Polished Nickel Or Brass Finish, Add	75.00	
For Faucet With Lever Handles, Add	8.10	
22 41 39 00-0015 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....	251.66	49.43
For Faucet With Polished Nickel Or Brass Finish, Add	75.00	
For Faucet With Lever Handles, Add	8.10	
22 41 39 00-0016 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	279.67	30.92
22 41 39 00-0017 EA Wall Mount, Hand Shower With Hose (Delta 55011).....	233.01	30.92
22 41 39 00-0018 EA Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....	317.81	30.92
22 41 39 00-0019 Residential Laundry Faucets (22 41 39)		
22 41 39 00-0020 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF).....	163.98	36.35
22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)		
22 41 39 00-0022 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF).....	165.30	36.35
22 41 39 00-0023 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....	235.45	40.06
22 41 39 00-0024 Other Residential Faucets (22 41 39)		
22 41 39 00-0025 EA Sillcock, Compact, Brass, IPS Or Copper To Hose.....	44.41	9.27

22 42 Commercial Plumbing Fixtures (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)

22 42 13 13 Commercial Water Closets (22 42 13)

22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	687.90	118.44
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™).....	803.16	118.44
22 42 13 13-0005 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	1,013.15	118.44
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®).....	915.77	118.44
22 42 13 13-0007 EA 1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®).....	860.79	118.44
22 42 13 13-0008 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®).....	864.57	118.44
22 42 13 13-0009 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™).....	679.46	118.44
22 42 13 13-0010 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	721.90	118.44

22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0012 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aflowall®).....	796.52	145.78
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aflowall® ADA Retrofit).....	964.33	145.78
22 42 13 13-0014 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,192.20	145.78
22 42 13 13-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™).....	799.44	145.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0016	EA		Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™).....	1,161.20	145.78
22 42 13 13-0017	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	873.38	145.78
22 42 13 13-0018	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	758.29	145.78
22 42 13 13-0019	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	791.64	145.78
22 42 13 13-0020			Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	696.24	118.44
22 42 13 13-0022	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	710.82	118.44
22 42 13 13-0023	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	775.07	118.44
22 42 13 13-0024	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	854.56	118.44
22 42 13 13-0025	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	851.25	118.44
22 42 13 13-0026	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	1,104.95	118.44
22 42 13 13-0027	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	945.97	118.44
22 42 13 13-0028	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	761.70	118.44
22 42 13 13-0029	EA		2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650).....	864.36	118.44
22 42 13 13-0030	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519).....	965.94	118.44
22 42 13 13-0031	EA		2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436).....	773.00	118.44
22 42 13 13-0032	EA		2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™).....	755.13	118.44
22 42 13 13-0033	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	728.26	118.44
22 42 13 13-0034			Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	769.91	118.44
22 42 13 13-0036	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	703.52	118.44
22 42 13 13-0037	EA		2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	806.87	118.44
22 42 13 13-0038			Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)		
22 42 13 13-0039	EA		2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	730.58	118.44
22 42 13 13-0040	EA		2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	761.22	118.44
22 42 13 13-0041			Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0042	EA		Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,194.14	256.24
22 42 13 13-0043	EA		Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	3,360.34	256.24
22 42 13 13-0044			Water Closet Carriers (22 42 13 13)		
22 42 13 13-0045			Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	591.30	60.13
22 42 13 13-0047			No-Hub, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	910.39	60.13
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-78.30	
			For Positioning Frame, Add	51.19	
			For Supply Pipe Support, Add	52.36	
			For Vandal Proof Trim, Add	66.63	
			For Auxiliary Inlet, Add	222.29	
			For Special Duty 500 LB Carrier, Add	371.68	



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13	13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	910.39	60.13
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-78.30	
			<i>For Positioning Frame, Add</i>	51.19	
			<i>For Supply Pipe Support, Add</i>	52.36	
			<i>For Vandal Proof Trim, Add</i>	66.63	
			<i>For Auxiliary Inlet, Add</i>	222.29	
			<i>For Special Duty 500 LB Carrier, Add</i>	371.68	
22 42 13	13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	993.37	60.13
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-78.30	
			<i>For Positioning Frame, Add</i>	51.19	
			<i>For Supply Pipe Support, Add</i>	52.36	
			<i>For Vandal Proof Trim, Add</i>	66.63	
			<i>For Auxiliary Inlet, Add</i>	222.29	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	227.44	
			<i>For Carrier For Wide Chase Installations, Add</i>	301.29	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	371.69	
22 42 13	13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	1,099.73	60.13
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-78.30	
			<i>For Positioning Frame, Add</i>	51.19	
			<i>For Supply Pipe Support, Add</i>	52.36	
			<i>For Vandal Proof Trim, Add</i>	66.63	
			<i>For 4" Branch, Add</i>	174.85	
			<i>For Auxiliary Inlet, Add</i>	222.29	
			<i>For Carrier For Wide Chase Installations, Add</i>	301.29	
			<i>For Double 4" Branches, Add</i>	350.85	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	371.69	
22 42 13	13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,513.57	88.26
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-156.59	
			<i>For Positioning Frame, Add</i>	110.92	
			<i>For Supply Pipe Support, Add</i>	113.26	
			<i>For Vandal Proof Trim, Add</i>	133.26	
			<i>For Auxiliary Inlet, Add</i>	239.38	
			<i>For Special Duty 500 LB Carrier, Add</i>	743.35	
22 42 13	13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,555.66	88.26
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-156.59	
			<i>For Positioning Frame, Add</i>	110.92	
			<i>For Supply Pipe Support, Add</i>	113.26	
			<i>For Vandal Proof Trim, Add</i>	133.26	
			<i>For Auxiliary Inlet, Add</i>	239.38	
			<i>For Special Duty 500 LB Carrier, Add</i>	743.35	
22 42 13	13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,891.10	88.26
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-156.59	
			<i>For Positioning Frame, Add</i>	110.92	
			<i>For Supply Pipe Support, Add</i>	113.26	
			<i>For Vandal Proof Trim, Add</i>	133.26	
			<i>For 4" Branch, Add</i>	183.39	
			<i>For Auxiliary Inlet, Add</i>	239.38	
			<i>For Double 4" Branches, Add</i>	367.94	
			<i>For Carrier For Wide Chase Installations, Add</i>	653.83	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	743.37	
22 42 13	13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,781.23	88.26
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-156.59	
			<i>For Positioning Frame, Add</i>	110.92	
			<i>For Supply Pipe Support, Add</i>	113.26	
			<i>For Vandal Proof Trim, Add</i>	133.26	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	235.98	
			<i>For Carrier For Wide Chase Installations, Add</i>	653.83	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	743.37	
22 42 13	13-0056		Hub And Spigot, Water Closet Carriers (22 42 13 13-0044)		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13	13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,056.52	60.13
			<i>For Positioning Frame, Add</i>	51.19	
			<i>For Supply Pipe Support, Add</i>	52.36	
			<i>For Vandal Proof Trim, Add</i>	66.63	
			<i>For Hanger Type Closet Adapter, Add</i>	167.14	
			<i>For Auxiliary Inlet, Add</i>	222.29	
22 42 13	13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	910.39	60.13
			<i>For Positioning Frame, Add</i>	51.19	
			<i>For Supply Pipe Support, Add</i>	52.36	
			<i>For Vandal Proof Trim, Add</i>	66.63	
			<i>For Auxiliary Inlet, Add</i>	222.29	
			<i>For Special Duty 500 LB Carrier, Add</i>	371.68	
22 42 13	13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	1,139.47	60.13
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-78.30	
			<i>For Positioning Frame, Add</i>	51.19	
			<i>For Supply Pipe Support, Add</i>	52.36	
			<i>For Vandal Proof Trim, Add</i>	66.63	
			<i>For 4" Branch, Add</i>	174.85	
			<i>For Auxiliary Inlet, Add</i>	222.29	
			<i>For Carrier For Wide Chase Installations, Add</i>	301.29	
			<i>For Double 4" Branches, Add</i>	350.85	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	371.69	

22 Plumbing
22 40 Plumbing Fixtures
22 42 Commercial Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13	13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	1,763.61 110.92 113.26 133.26 239.38 334.28	88.26
22 42 13	13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,930.84 -156.59 110.92 113.26 133.26 183.39 239.38 367.94 653.83 743.37	88.26
22 42 13 13-0062 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers					
<i>(22 42 13 13-0044)</i> Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.					
22 42 13	13-0063	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	705.84 51.19 52.36 66.63 167.14	60.13
22 42 13 13-0064 Institutional Water Closet Carriers <i>(22 42 13 13-0044)</i>					
Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.					
22 42 13	13-0065	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	2,473.17 -156.59 110.92 113.26 133.26 239.38	88.26
22 42 13 13-0066 Removal And Reinstallation Of Fixtures And Trim <i>(22 42 13 13)</i>					
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.					
22 42 13	13-0067	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	520.36	
22 42 13	13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	520.36	
22 42 13	13-0069	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	400.16	
22 42 13	13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	400.16	
22 42 13 16 Commercial Urinals <i>(22 42 13)</i>					
22 42 13 16-0001 Vitreous China Urinals <i>(22 42 13 16)</i>					
Note: Excludes flush valve unless indicated otherwise.					
22 42 13 16-0002 Wall Hung Urinals <i>(22 42 13 16-0001)</i>					
22 42 13	16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	619.86	121.86
22 42 13	16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®).....	745.55	121.86
22 42 13	16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®).....	771.83	121.86
22 42 13	16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	810.44	121.86
22 42 13	16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbroom™).....	743.50	121.86
22 42 13	16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™).....	637.44	121.86
22 42 13	16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	761.96	121.86
22 42 13	16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	660.39	121.86
22 42 13	16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798).....	709.75	121.86
22 42 13	16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A).....	653.13	121.86
22 42 13	16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A).....	650.98	121.86
22 42 13 16-0014 Floor Mounted Urinals <i>(22 42 13 16-0001)</i>					
22 42 13	16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	1,014.83	153.75
22 42 13	16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™).....	1,125.27	153.75
22 42 13	16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931).....	314.76	28.47
22 42 13	16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932).....	356.73	28.47
22 42 13 16-0019 Waterfree Urinals <i>(22 42 13 16-0001)</i>					
22 42 13	16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	662.45 66.90 -43.06	85.42
22 42 13	16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	1,232.85 66.90 -108.09	85.42
22 42 13	16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	1,064.46 66.90 -88.89	85.42



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000) <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	820.85 66.90 -61.12	85.42
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000) <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	820.85 66.90 -61.12	85.42
22 42 13 16-0025 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	1,012.42 66.90 -82.96	85.42
22 42 13 16-0026 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) <i>For >1, Deduct</i>	1,524.24 -141.31	85.42
22 42 13 16-0027 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0028 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acom 2160-T-1).....	3,287.63	256.24
22 42 13 16-0029 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	4,255.09	313.19
22 42 13 16-0030 Urinal Carriers (22 42 13 16)		
22 42 13 16-0031 Floor Mounted, Urinal Carriers (22 42 13 16-0030) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i>	591.01 24.54	43.27
22 42 13 16-0033 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier <i>For Up To 4" Extension Sleeves And Hardware, Add</i>	558.72 24.54	43.27
22 42 13 16-0034 Wall Mounted, Urinal Carriers (22 42 13 16-0030) Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	237.30 24.54	43.27
22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	518.81	
22 42 16 Commercial Lavatories and Sinks (22 42)		
22 42 16 13 Commercial Lavatories (22 42 16)		
22 42 16 13-0001 Lavatories (22 42 16 13) Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	626.51	76.30
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	653.31	76.30
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	803.45	76.30
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	577.63	76.30
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	502.74	76.30
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	626.07	76.30
22 42 16 13-0009 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	590.24	76.30
22 42 16 13-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	524.81	76.30
22 42 16 13-0011 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	731.36	76.30
22 42 16 13-0012 Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®).....	598.95	92.25
22 42 16 13-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	611.22	92.25
22 42 16 13-0015 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	645.38	92.25
22 42 16 13-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	681.79	92.25
22 42 16 13-0017 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	883.51	99.65
22 42 16 13-0018 Undermount Lavatories (22 42 16 13-0001)		
22 42 16 13-0019 EA 15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	560.62	92.25
22 42 16 13-0020 EA 17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	533.34	92.25
22 42 16 13-0021 EA 19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	533.34	92.25
22 42 16 13-0022 EA 21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	566.54	92.25
22 42 16 13-0023 EA 15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	548.62	92.25
22 42 16 13-0024 EA 17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	543.60	92.25
22 42 16 13-0025 EA 19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	548.72	92.25
22 42 16 13-0026 EA 18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	661.64	92.25
22 42 16 13-0027 EA 21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	661.64	92.25
22 42 16 13-0028 Pedestal Lavatories (22 42 16 13-0001)		
22 42 16 13-0029 EA 19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	722.93	219.23



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 42 16 13-0030	Cultured Marble Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	422.01	85.42
22 42 16 13-0032	EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	474.47	91.11
22 42 16 13-0033	EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	568.58	96.81
22 42 16 13-0034	EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	773.57	102.49
22 42 16 13-0035	EA 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	452.27	85.42
22 42 16 13-0036	EA 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	482.99	91.11
22 42 16 13-0037	EA 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	618.93	96.81
22 42 16 13-0038	EA 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	673.11	99.65
22 42 16 13-0039	EA 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	752.28	102.49
22 42 16 13-0040	Quartz Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	818.21	85.42
22 42 16 13-0042	EA 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	852.79	91.11
22 42 16 13-0043	EA 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	974.53	96.81
22 42 16 13-0044	EA 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	981.81	99.65
22 42 16 13-0045	EA 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,067.68	102.49
22 42 16 13-0046	EA 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,414.62	108.19
22 42 16 13-0047	EA 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,662.23	113.87
22 42 16 13-0048	EA 22" End Splash For Quartz Vanity Tops	44.77	
22 42 16 13-0049	Solid Surface Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	693.23	85.42
22 42 16 13-0051	EA 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	774.05	91.11
22 42 16 13-0052	EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	865.58	96.81
22 42 16 13-0053	EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	948.73	99.65
22 42 16 13-0054	EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,024.82	102.49
22 42 16 13-0055	EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,124.91	105.34
22 42 16 13-0056	EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,247.60	108.19
22 42 16 13-0057	EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,277.95	108.19
22 42 16 13-0058	EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,376.59	113.87
22 42 16 13-0059	EA 22" End Splash For Solid Surface Vanity Tops	66.08	
22 42 16 13-0060	Stainless Steel Lavatories (22 42 16 13-0001)		
22 42 16 13-0061	EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,726.99	199.30
22 42 16 13-0062	Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001) Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0063	EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	6,806.77	157.78
	For Integral Liquid Soap Dispenser, Add	171.00	
	For Integral Photovoltaic Power Panels, Add	563.00	
22 42 16 13-0064	EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	9,992.97	157.78
	For Integral Liquid Soap Dispenser, Add	171.00	
	For Integral Photovoltaic Power Panels, Add	657.00	
22 42 16 13-0065	EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	456.42	52.60
22 42 16 13-0066	EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	567.47	52.60
22 42 16 13-0067	EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,133.06	52.60
22 42 16 13-0068	Lavatory Carriers (22 42 16 13)		
22 42 16 13-0069	Floor Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0070	Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0071	EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier	591.01	43.27
	For Up To 4" Extension Sleeves And Hardware, Add	24.54	
	For Valve Plate For Attaching To Upright, Add	88.01	
	For Corner Carrier, Add	171.35	
22 42 16 13-0072	EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier	558.72	43.27
	For Up To 4" Extension Sleeves And Hardware, Add	24.54	
	For Valve Plate For Attaching To Upright, Add	88.01	
22 42 16 13-0073	EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	637.03	43.27
	For Up To 4" Extension Sleeves And Hardware, Add	49.08	
	For Valve Plate For Attaching To Upright, Add	176.01	
22 42 16 13-0074	EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	727.03	43.27
	For Up To 4" Extension Sleeves And Hardware, Add	49.08	
	For Valve Plate For Attaching To Upright, Add	176.01	
22 42 16 13-0075	Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069) Note: Includes leveling and securing screws, structural uprights and welded feet.		



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0076 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	761.13	51.25
For Up To 6-1/2" Extension Sleeves And Hardware, Add	24.54	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	33.90	
For Valve Plate For Attaching To Upright, Add	90.29	
For 2" Chrome Plated Escutcheons, Add	82.98	
For 4" Or 6" Chrome Plated Escutcheons, Add	150.77	
22 42 16 13-0077 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	874.86	51.25
For Up To 4-1/2" Extension Sleeves And Hardware, Add	24.54	
For Vandal Proof Trim, Add	66.63	
For Valve Plate For Attaching To Upright, Add	90.29	
For Heavy Duty Carrier, Add	85.32	
22 42 16 13-0078 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	1,017.94	51.25
For Up To 6-1/2" Extension Sleeves And Hardware, Add	49.08	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	67.80	
For Valve Plate For Attaching To Upright, Add	180.57	
For 2" Chrome Plated Escutcheons, Add	165.97	
For 4" Or 6" Chrome Plated Escutcheons, Add	301.55	
22 42 16 13-0079 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,285.12	51.25
For Up To 4-1/2" Extension Sleeves And Hardware, Add	49.08	
For Vandal Proof Trim, Add	133.26	
For Valve Plate For Attaching To Upright, Add	180.57	
For Heavy Duty Carrier, Add	170.64	
22 42 16 13-0080 Wall Mounted, Lavatory Carriers (22 42 16 13-0068)		
22 42 16 13-0081 Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080)		
Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0082 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier	237.30	43.27
For Double Plate Carrier, Add	68.90	
22 42 16 13-0083 Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0080)		
Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0084 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms.....	387.48	51.25
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
For 2" Chrome Plated Escutcheons, Add	82.98	
22 42 16 13-0085 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms.....	452.93	51.25
For Movable Mounting Brackets, Deduct	-63.12	
For Up To 4" Extension Sleeves And Hardware, Add	24.54	
For 2" Chrome Plated Escutcheons, Add	82.98	
For 4" Or 6" Chrome Plated Escutcheons, Add	150.77	
22 42 16 13-0086 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	655.13	51.25
For Up To 4-1/2" Extension Sleeves And Hardware, Add	24.54	
For Vandal Proof Trim, Add	66.63	
22 42 16 13-0087 Removal And Reinstallation Of Lavatory And Trim (22 42 16 13)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0088 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	334.96	
22 42 16 16 Commercial Sinks (22 42 16)		
22 42 16 16-0001 Sinks (22 42 16 16)		
Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002 Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	769.05	107.05
22 42 16 16-0004 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	981.94	121.86
22 42 16 16-0005 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	944.35	104.78
For 18 Gauge, Add	258.64	
22 42 16 16-0006 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	967.09	104.78
For 18 Gauge, Add	270.01	
22 42 16 16-0007 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	1,018.26	104.78
For 18 Gauge, Add	295.60	
22 42 16 16-0008 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	1,066.04	107.05
For 18 Gauge, Add	312.65	
22 42 16 16-0009 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,333.11	121.86
For 18 Gauge, Add	424.45	
22 42 16 16-0010 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,360.59	121.86
For 18 Gauge, Add	437.99	
22 42 16 16-0011 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,723.47	121.86
22 42 16 16-0012 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,312.92	104.78
22 42 16 16-0013 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,338.50	104.78
22 42 16 16-0014 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,402.93	104.78
22 42 16 16-0015 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,491.45	107.05
22 42 16 16-0016 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,796.42	121.86
22 42 16 16-0017 Undermount Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0018 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,176.41	104.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0019 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,173.64	104.78
22 42 16 16-0020 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,185.88	104.78
22 42 16 16-0021 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,250.31	104.78
22 42 16 16-0022 EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,209.57	104.78
Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023 EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,374.70	104.78
22 42 16 16-0024 EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,621.59	104.78
22 42 16 16-0025 EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	971.10	104.78
22 42 16 16-0026 EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,248.32	104.78
22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted <small>(22 42 16 16-0001)</small>		
Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	1,996.99	185.06
Note: Excludes faucets.		
22 42 16 16-0029 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,624.92	199.30
Note: Excludes faucets.		
22 42 16 16-0030 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	3,001.89	213.54
Note: Excludes faucets.		
22 42 16 16-0031 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,384.12	142.36
Note: Excludes faucets.		
22 42 16 16-0032 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,643.85	156.59
Note: Excludes faucets.		
22 42 16 16-0033 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,898.49	170.83
Note: Excludes faucets.		
22 42 16 16-0034 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,214.69	192.19
Note: Excludes faucets.		
22 42 16 16-0035 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	3,065.61	313.19
Note: Includes sensor operated spray heads.		
22 42 16 16-0036 Utility Or Laundry Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0037 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	713.65	121.86
22 42 16 16-0038 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	811.33	121.86
22 42 16 16-0039 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	711.68	121.86
22 42 16 16-0040 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,056.90	121.86
22 42 16 16-0041 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,476.29	136.66
22 42 16 16-0042 Refinish Sink/Lavatory <small>(22 42 16 16-0001)</small>		
22 42 16 16-0043 EA Refinish Sink/Lavatory	260.52	
22 42 16 16-0044 Service Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0045 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,104.30	183.35
22 42 16 16-0046 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,157.58	183.35
22 42 16 16-0047 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,427.89	242.58
22 42 16 16-0048 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	613.62	170.83
22 42 16 16-0049 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	698.68	170.83
22 42 16 16-0050 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	771.79	205.00
22 42 16 16-0051 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	632.13	170.83
22 42 16 16-0052 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	720.56	205.00
22 42 16 16-0053 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	1,002.83	170.83
22 42 16 16-0054 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,237.67	205.00
22 42 16 16-0055 Stainless Steel Sink And Drainboard <small>(22 42 16 16-0001)</small>		
22 42 16 16-0056 EA Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,474.29	284.72
22 42 16 16-0057 Soapstone Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0058 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,113.66	104.78
22 42 16 16-0059 SF Soapstone Sink Backsplash	174.78	
22 42 16 16-0060 EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink.....	1,414.39	121.86
22 42 16 16-0061 EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,648.75	121.86
22 42 16 16-0062 Sink Carriers <small>(22 42 16 16)</small>		



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0063 Floor Mounted, Sink Carriers <small>(22 42 16 16-0062)</small> Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	864.66	43.27
For Vandal Proof Trim, Add	66.63	
For Valve Plate For Attaching To Upright, Add	88.01	
22 42 16 16-0065 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	1,143.12	43.27
For Vandal Proof Trim, Add	66.63	
For Auxiliary Vent, Add	199.06	
22 42 16 16-0066 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,428.32	43.27
For Up To 4" Extension Sleeves And Hardware, Add	50.26	
For Vandal Proof Trim, Add	66.63	
22 42 16 16-0067 Removal And Reinstallation Of Sink And Trim <small>(22 42 16 16)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0068 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	459.22	
22 42 19 Commercial Bathtubs <small>(22 42)</small>		
22 42 19 00-0001 Recessed Alcove Bathtubs <small>(22 42 19)</small>		
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,530.03	316.60
22 42 19 00-0004 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,320.23	316.60
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,535.30	316.60
22 42 19 00-0006 EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,957.25	316.60
22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0008 EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	714.13	316.60
22 42 19 00-0009 EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	729.15	316.60
22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0011 EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,024.92	316.60
22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs <small>(22 42 19 00-0001)</small>		
22 42 19 00-0013 EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,053.33	316.60
22 42 19 00-0014 EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,234.97	316.60
22 42 19 00-0015 EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,258.43	316.60
22 42 19 00-0016 EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,244.01	316.60
22 42 19 00-0017 EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,295.88	316.60
22 42 19 00-0018 Bathtub Refinishing <small>(22 42 19 00-0001)</small>		
22 42 19 00-0019 EA Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	660.72	
22 42 19 00-0020 Tub And Shower Combinations <small>(22 42 19)</small>		
22 42 19 00-0021 Acrylic Tub And Shower Combination <small>(22 42 19 00-0020)</small>		
22 42 19 00-0022 EA 1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	1,296.73	113.60
For 2 Piece Enclosure, Deduct	-282.14	
22 42 19 00-0023 Fiberglass Tub And Shower Combination <small>(22 42 19 00-0020)</small>		
22 42 19 00-0024 EA 1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	869.15	113.60
22 42 19 00-0025 EA 2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	684.17	75.73
22 42 19 00-0026 EA 4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,373.69	171.46
22 42 19 00-0027 EA 3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	3,548.23	396.99
For 2 Piece Enclosure, Deduct	-739.72	
22 42 23 Commercial Showers <small>(22 42)</small>		
22 42 23 00-0001 Shower Enclosures <small>(22 42 23)</small> Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure <small>(22 42 23 00-0001)</small>		
22 42 23 00-0003 EA 32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,753.92	183.69
22 42 23 00-0004 EA 36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,753.92	183.69
22 42 23 00-0005 EA 40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,641.31	183.69
22 42 23 00-0006 EA 40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	2,904.75	183.69
22 42 23 00-0007 Solid Plastic Core High Density Polymer (HDP) Shower Enclosure <small>(22 42 23 00-0001)</small>		

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0008	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,877.02	183.69
22 42 23 00-0009	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,877.02	183.69
22 42 23 00-0010	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	4,124.90	183.69
22 42 23 00-0011	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,610.19	183.69
22 42 23 00-0012			Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down (22 42 23 00-0001)		
22 42 23 00-0013	EA		32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	1,471.21	183.69
22 42 23 00-0014	EA		36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	1,512.17	183.69
22 42 23 00-0015	EA		34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	1,553.13	183.69
22 42 23 00-0016	EA		30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	1,635.04	183.69
22 42 23 00-0017	EA		34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	1,743.58	183.69
22 42 23 00-0018			1 Piece Shower Units (22 42 23)		
22 42 23 00-0019	EA		1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	1,251.28	113.60
22 42 23 00-0020	EA		1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,401.67	113.60
22 42 23 00-0021			Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0022			Acrylic Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0023	EA		36" x 36" Acrylic Shower Receptor.....	471.21	46.37
22 42 23 00-0024	EA		42" x 42" Acrylic Shower Receptor.....	497.62	46.37
22 42 23 00-0025	EA		48" x 48" Acrylic Shower Receptor.....	550.35	46.37
22 42 23 00-0026	EA		60" x 60" Acrylic Shower Receptor.....	669.18	55.64
22 42 23 00-0027	EA		48" x 32" Acrylic Shower Receptor.....	472.45	46.37
22 42 23 00-0028	EA		48" x 36" Acrylic Shower Receptor.....	507.18	46.37
22 42 23 00-0029	EA		48" x 42" Acrylic Shower Receptor.....	571.79	46.37
22 42 23 00-0030	EA		60" x 30" Acrylic Shower Receptor.....	904.53	120.58
22 42 23 00-0031	EA		60" x 32" Acrylic Shower Receptor.....	636.31	55.64
22 42 23 00-0032	EA		60" x 36" Acrylic Shower Receptor.....	640.78	55.64
22 42 23 00-0033	EA		60" x 42" Acrylic Shower Receptor.....	644.88	55.64
22 42 23 00-0034	EA		60" x 48" Acrylic Shower Receptor.....	709.08	55.64
22 42 23 00-0035	EA		36" x 36" Acrylic Corner Shower Receptor.....	682.88	46.37
22 42 23 00-0036	EA		42" x 42" Acrylic Corner Shower Receptor.....	782.55	46.37
22 42 23 00-0037	EA		47-1/2" x 47-1/2" Acrylic Corner Shower Receptor.....	1,246.90	114.55
22 42 23 00-0038			Molded Stone Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0039	EA		32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	317.65	46.37
22 42 23 00-0040	EA		34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	332.55	46.37
22 42 23 00-0041	EA		36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	334.21	46.37
22 42 23 00-0042	EA		42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	407.88	46.37
22 42 23 00-0043	EA		42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	363.18	46.37
22 42 23 00-0044	EA		48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	383.88	46.37
22 42 23 00-0045	EA		48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	386.36	46.37
22 42 23 00-0046	EA		54" x 34" Molded Stone Shower Receptor (Fiat 54WL).....	447.90	55.64
22 42 23 00-0047	EA		60" x 34" Molded Stone Shower Receptor (Fiat 60WL).....	463.63	55.64
22 42 23 00-0048	EA		36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	367.32	46.37
22 42 23 00-0049	EA		38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	376.43	46.37
22 42 23 00-0050			Precast Terrazzo Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0051	EA		30" x 30" Precast Terrazzo Shower Receptor.....	587.52	46.37
22 42 23 00-0052	EA		32" x 32" Precast Terrazzo Shower Receptor.....	609.87	46.37
22 42 23 00-0053	EA		34" x 34" Precast Terrazzo Shower Receptor.....	630.57	46.37
22 42 23 00-0054	EA		36" x 36" Precast Terrazzo Shower Receptor.....	633.05	46.37
22 42 23 00-0055	EA		40" x 40" Precast Terrazzo Shower Receptor.....	691.83	46.37
22 42 23 00-0056	EA		42" x 42" Precast Terrazzo Shower Receptor.....	721.63	46.37
22 42 23 00-0057	EA		48" x 48" Precast Terrazzo Shower Receptor.....	1,009.71	46.37
22 42 23 00-0058	EA		36" x 32" Precast Terrazzo Shower Receptor.....	625.60	46.37
22 42 23 00-0059	EA		42" x 32" Precast Terrazzo Shower Receptor.....	637.47	46.37
22 42 23 00-0060	EA		42" x 34" Precast Terrazzo Shower Receptor.....	658.71	46.37
22 42 23 00-0061	EA		42" x 36" Precast Terrazzo Shower Receptor.....	685.20	46.37
22 42 23 00-0062	EA		32" x 48" Precast Terrazzo Shower Receptor.....	687.69	46.37
22 42 23 00-0063	EA		48" x 34" Precast Terrazzo Shower Receptor.....	721.63	46.37
22 42 23 00-0064	EA		54" x 32" Precast Terrazzo Shower Receptor.....	755.57	46.37
22 42 23 00-0065	EA		60" x 30" Precast Terrazzo Shower Receptor.....	1,019.62	55.64
22 42 23 00-0066	EA		60" x 32" Precast Terrazzo Shower Receptor.....	1,113.55	55.64
22 42 23 00-0067	EA		60" x 34" Precast Terrazzo Shower Receptor.....	1,118.16	55.64
22 42 23 00-0068	EA		60" x 36" Precast Terrazzo Shower Receptor.....	1,122.74	55.64
22 42 23 00-0069	EA		32" x 32" Precast Terrazzo Corner Shower Receptor.....	636.36	46.37
22 42 23 00-0070	EA		34" x 34" Precast Terrazzo Corner Shower Receptor.....	637.47	46.37
22 42 23 00-0071	EA		36" x 36" Precast Terrazzo Corner Shower Receptor.....	639.67	46.37
22 42 23 00-0072	EA		40" x 40" Precast Terrazzo Corner Shower Receptor.....	764.67	46.37
22 42 23 00-0073	EA		36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,381.40	46.37
22 42 23 00-0074	EA		60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,538.97	55.64
22 42 23 00-0075	EA		60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,603.54	55.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0076			Shower Receptors Accessories <small>(22 42 23 00-0021)</small>		
22 42 23 00-0077	SF		Polyvinyl Chloride (PVC) Shower Pan Liner.....	4.05	
22 42 23 00-0078			Removal And Reinstallation Of Fixtures And Trim <small>(22 42 23)</small>		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079	EA		Removal And Reinstallation Of Shower Head.....	55.64	
22 42 26			Commercial Disposers <small>(22 42)</small>		
			See CSI section 22 41 26 00-0001 for disposals.		
22 42 33			Wash Fountains <small>(22 42)</small>		
22 42 33 00-0001			Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA		36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	9,312.71	184.08
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0003	EA		36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	5,007.02	184.08
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,636.46	184.08
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0005	EA		54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	11,869.13	210.37
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0006	EA		54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,776.43	210.37
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,344.71	210.37
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0008			Semi-Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	8,125.22	157.78
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,567.94	157.78
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,554.29	157.78
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	9,970.03	184.08
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,509.84	184.08
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,795.66	184.08
			<i>For Metal Soap Dispenser, Add</i>	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 39			Commercial Faucets, Supplies, and Trim <small>(22 42)</small>		
22 42 39 00-0001			Kitchen Faucets <small>(22 42 39)</small>		
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	225.09	56.95
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	254.28	56.95
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	211.96	56.95
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	238.50	56.95
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	209.66	56.95
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	230.22	56.95
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	299.55	56.95
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	212.56	56.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	204.77	56.95
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	242.83	56.95
22 42 39 00-0012 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	419.14	56.95
22 42 39 00-0013 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	460.01	56.95
22 42 39 00-0014 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	433.05	61.82
22 42 39 00-0015 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	431.06	61.82
22 42 39 00-0016 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	321.07	61.82
22 42 39 00-0017 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	745.36	56.95
22 42 39 00-0018 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	943.71	56.95
22 42 39 00-0019 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	1,009.83	56.95
22 42 39 00-0020 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	745.36	56.95
22 42 39 00-0021 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	943.71	56.95
22 42 39 00-0022 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	1,009.83	56.95
22 42 39 00-0023 Lavatory Faucets (22 42 39)		
22 42 39 00-0024 EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	274.51	41.00
22 42 39 00-0025 EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	190.06	41.00
22 42 39 00-0026 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	236.26	41.00
22 42 39 00-0027 EA 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	259.29	41.00
22 42 39 00-0028 EA Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	318.79	41.00
22 42 39 00-0029 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	371.63	41.00
22 42 39 00-0030 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	226.32	41.00
22 42 39 00-0031 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	345.26	41.00
22 42 39 00-0032 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	248.42	41.00
22 42 39 00-0033 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	254.21	41.00
22 42 39 00-0034 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	307.28	41.00
22 42 39 00-0035 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	301.00	41.00
22 42 39 00-0036 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	245.65	41.00
22 42 39 00-0037 Bath And Shower Faucets (22 42 39)		
22 42 39 00-0038 Bath And Shower Faucets With Valve Body (22 42 39 00-0037)		
22 42 39 00-0039 EA Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	253.89	49.43
22 42 39 00-0040 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	297.46	49.43
22 42 39 00-0041 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	325.39	49.43
22 42 39 00-0042 EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	234.89	49.43
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0043 EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	246.07	49.43
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0044 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	278.46	49.43
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0045 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	315.33	49.43
For Faucet With Metal Cross Handles, Add	45.75	
22 42 39 00-0046 Shower Valves And Trim (22 42 39)		
See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047 EA Senior Institutional Shower Head (Symmons® 4-150).....	246.90	49.43
22 42 39 00-0048 EA Universal Institutional Shower Head (Symmons® 4-151).....	413.25	49.43
22 42 39 00-0049 EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	290.70	49.43
22 42 39 00-0050 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	218.97	49.43
22 42 39 00-0051 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	923.20	74.03
22 42 39 00-0052 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	757.09	85.42
22 42 39 00-0053 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	999.85	85.42
22 42 39 00-0054 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,408.21	91.11
22 42 39 00-0055 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	411.03	76.87
22 42 39 00-0056 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	922.36	76.87
22 42 39 00-0057 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	640.68	76.87
22 42 39 00-0058 EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,279.43	76.87
For Hand Spray, Hose And Wall Hooks, Add	106.44	
For Recessed Soap Dish, Add	108.12	
For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
For Pressure Balance And Metering Combination, Add	291.63	
22 42 39 00-0059 EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,521.86	76.87
For Hand Spray, Hose And Wall Hooks, Add	106.44	
For Recessed Soap Dish, Add	108.12	
For Hand Spray, Hose And 30" Slide Bar, Add	165.51	
For Pressure Balance And Metering Combination, Add	291.63	



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0060	EA		Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	1,035.05	76.87
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0061	EA		Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,564.48	76.87
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062	EA		Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,678.60	76.87
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0063	EA		Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	3,100.04	76.87
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0064	EA		Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	2,707.52	76.87
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0065	EA		Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,357.17	76.87
22 42 39 00-0066	EA		Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	2,085.36	76.87
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0067	EA		Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,355.34	76.87
22 42 39 00-0068	EA		Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,351.32	76.87
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0069	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	997.52	68.33
22 42 39 00-0070	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	771.20	49.43
22 42 39 00-0071			Service Sink Faucets (22 42 39)		
22 42 39 00-0072	EA		4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	547.23	94.81
22 42 39 00-0073	EA		3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	391.49	94.81
22 42 39 00-0074	EA		3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	421.65	94.81
22 42 39 00-0075	EA		6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	437.30	94.81
22 42 39 00-0076	EA		7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	571.32	132.91
22 42 39 00-0077	EA		7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	640.01	151.47
22 42 39 00-0078	EA		11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	738.32	151.47
22 42 39 00-0079	EA		Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF).....	434.00	94.81
22 42 39 00-0080	EA		8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8ABCP).....	650.86	151.47
22 42 39 00-0081	EA		44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	886.68	151.47
22 42 39 00-0082			Laboratory Faucets And Fittings (22 42 39)		
22 42 39 00-0083	EA		Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	222.13	40.31
22 42 39 00-0084	EA		Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	363.50	56.95
22 42 39 00-0085	EA		Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	471.01	56.95
22 42 39 00-0086	EA		Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	289.77	53.19
22 42 39 00-0087	EA		6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	393.80	75.85
22 42 39 00-0088	EA		6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	533.97	75.85
22 42 39 00-0089	EA		Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	427.13	56.95
22 42 39 00-0090	EA		Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	419.27	75.85
22 42 39 00-0091	EA		Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	274.56	43.77
22 42 39 00-0092	EA		Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	386.82	61.82
22 42 39 00-0093	EA		4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	297.98	61.82
22 42 39 00-0094	EA		4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP).....	363.92	61.82
22 42 39 00-0095	EA		Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	94.93	38.04
22 42 39 00-0096	EA		Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	591.44	68.33
22 42 39 00-0097	EA		Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	760.79	68.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0098	EA		Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	915.07	68.33
22 42 39 00-0099	EA		Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	809.12	68.33
22 42 39 00-0100	EA		Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	963.61	68.33
22 42 39 00-0101	EA		Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	162.08	37.59
22 42 39 00-0102	EA		90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	227.08	45.10
22 42 39 00-0103	EA		180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	227.08	45.10
22 42 39 00-0104	EA		Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	292.09	52.61
22 42 39 00-0105	EA		Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	357.10	60.13
22 42 39 00-0106 Gooseneck Faucets With Independent Eyewash (22 42 39)					
22 42 39 00-0107	EA		Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	898.03	42.71
22 42 39 00-0108	EA		Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	973.38	39.86
22 42 39 00-0109	EA		8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	1,256.36	42.71
22 42 39 00-0110	EA		Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,326.90	42.71
22 42 39 00-0111	EA		Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,611.37	28.47
22 42 39 00-0112	EA		Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,943.02	71.18
22 42 39 00-0113	EA		Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,712.54	71.18
22 42 39 00-0114	EA		8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,802.31	71.18
22 42 39 00-0115	EA		Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101).....	321.90	43.28
22 42 39 00-0116	EA		Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	354.34	43.28
22 42 39 00-0117	EA		Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	382.67	43.28
22 42 39 00-0118	EA		6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	1,689.83	28.47
22 42 39 00-0119 Bubblers And Glass Fillers (22 42 39)					
22 42 39 00-0120	EA		Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	391.94	40.31
22 42 39 00-0121	EA		Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	349.24	53.19
22 42 39 00-0122	EA		7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	386.59	40.31
22 42 39 00-0123	EA		Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	238.74	57.74
22 42 39 00-0124	EA		Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	458.79	43.77
22 42 39 00-0125	EA		Push Button Bubbler, 1/2" OD (Haws 5017LF).....	464.93	43.77
22 42 39 00-0126	EA		Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	387.29	43.77
22 42 39 00-0127 Automatic Electronic Sensor Faucets (22 42 39)					
22 42 39 00-0128	EA		Electronic Lavatory Faucet (American Standard 6055.205.002).....	716.59	94.99
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0129	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	723.29	94.99
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0130	EA		Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1).....	969.68	103.13
22 42 39 00-0131	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1).....	1,010.67	94.99
22 42 39 00-0132	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,500.49	103.13
22 42 39 00-0133	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,878.21	103.13
22 42 39 00-0134	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,754.35	103.13
22 42 39 00-0135	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,224.78	94.99
22 42 39 00-0136	EA		Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	1,048.26	94.99
22 42 39 00-0137	EA		Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101).....	1,107.34	94.99
22 42 39 00-0138	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	959.64	94.99
22 42 39 00-0139	EA		Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,107.34	94.99
22 42 39 00-0140	EA		Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102).....	967.87	94.99
22 42 39 00-0141	EA		Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	967.87	94.99
22 42 39 00-0142	EA		Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101).....	1,089.34	94.99
22 42 39 00-0143	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	924.35	94.99
22 42 39 00-0144	EA		4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	887.09	94.99
22 42 39 00-0145	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	1,466.22	94.99
22 42 39 00-0146 Singles (22 42 39)					
22 42 39 00-0147	EA		Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130).....	276.49	41.80
22 42 39 00-0148 Other Trim (22 42 39)					
22 42 39 00-0149	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	20.67	6.18
22 42 39 00-0150	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	138.72	18.55
22 42 39 00-0151	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	41.16	11.96
22 42 39 00-0152	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	41.16	11.96
22 42 39 00-0153	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	56.87	11.96
22 42 39 00-0154	PR		Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line.....	39.02	13.14
22 42 39 00-0155	EA		12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	24.29	7.72
22 42 39 00-0156	EA		12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	25.00	7.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 39 00-0157	Removal And Reinstallation Of Fixtures And Trim ^(22 42 39) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.	
22 42 39 00-0158	EA Removal And Reinstallation Of Faucet.....	98.92

22 42 43 Flushometers ^(22 42)

22 42 43 00-0001 Water Closet Flush Valves ^(22 42 43)

22 42 43 00-0002	EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	328.15	38.84
22 42 43 00-0003	EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	317.75	38.84
22 42 43 00-0004	EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	370.00	38.84
22 42 43 00-0005	EA Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	510.81	38.84
22 42 43 00-0006	EA Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	569.53	38.84
22 42 43 00-0007	EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	1,051.63	38.84
22 42 43 00-0008	EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	1,050.16	38.84
22 42 43 00-0009	EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	1,109.39	38.84
22 42 43 00-0010	EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	1,029.86	38.84
22 42 43 00-0011	EA Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)..... Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	450.90	38.84
22 42 43 00-0012	EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	826.54	38.84
22 42 43 00-0013	EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	446.55	38.84
22 42 43 00-0014	EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	444.40	38.84
22 42 43 00-0015	EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	451.26	34.16
22 42 43 00-0016	EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	491.18	34.16
22 42 43 00-0017	EA 1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	1,066.94	38.84
22 42 43 00-0018	EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	1,170.16	38.84
22 42 43 00-0019	EA 1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,488.88	38.84
22 42 43 00-0020	EA 1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,488.88	38.84
22 42 43 00-0021	EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	963.99	38.84
22 42 43 00-0022	EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	955.81	38.84
22 42 43 00-0023	EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	473.66	34.16
22 42 43 00-0024	EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	146.04	6.13
22 42 43 00-0025	EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	563.75	38.84
22 42 43 00-0026	EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	353.56	38.84
22 42 43 00-0027	EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	979.32	38.84

22 42 43 00-0028 Urinal Flush Valves ^(22 42 43)

22 42 43 00-0029	EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)	280.26	38.84
	Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0030	EA 1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)	302.39	38.84
	Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0031	EA Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195).....	408.17	38.84
	Note: 1.0 or 1.5 GPF.		
22 42 43 00-0032	EA Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	495.31	38.84
	Note: 1.0 or 1.5 GPF.		
22 42 43 00-0033	EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S).....	782.56	38.84
	Note: 1.0 or 1.5 GPF.		
22 42 43 00-0034	EA Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S).....	1,053.72	38.84
	Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0035	EA Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	1,182.86	38.84
	Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0036	EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1).....	769.60	38.84
	Note: 1.0 GPF.		
22 42 43 00-0037	EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	1,163.51	38.84
	Note: 0.5 GPF.		
22 42 43 00-0038	EA Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13).....	506.81	38.84
	Note: 0.13 GPF.		
22 42 43 00-0039	EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF).....	321.82	38.84
	Note: 0.125 GPF.		
22 42 43 00-0040	EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF)	830.47	38.84
	Note: 0.125 GPF.		
22 42 43 00-0041	EA Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	835.42	38.84
	Note: 0.125 GPF.		

22 42 43 00-0042 Removal And Reinstallation Of Fixtures And Trim ^(22 42 43)

22 42 43 00-0043	EA Removal And Reinstallation Of Flush Valve	154.57
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22 42 43 00-0044 Plumbing Control Transformers ^(22 42 43)

22 42 43 00-0045	EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	66.91
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22 42 46 Chemical Toilets ^(22 42)

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year For Extra Urinal, Add	4,720.29 153.15	1,138.87
22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year For Extra Urinal, Add	5,609.98 181.38	1,356.39
22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year For Extra Urinal, Add	6,742.75 243.82	1,538.61
22 43 Healthcare Plumbing Fixtures (22 40)		
22 43 13 Healthcare Water Closets (22 43)		
22 43 13 00-0001 Healthcare Water Closets (22 43 13)		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	865.16	118.44
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	710.15	118.44
22 43 16 Healthcare Sinks (22 43)		
22 43 16 00-0001 Healthcare Sinks (22 43 16) Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard) For Stainless Steel Rim Guards (Three Sides), Add	1,261.69 108.61	76.30
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard) For Stainless Steel Rim Guards (Three Sides), Add For Pedestal Base, Add	1,366.37 108.61 497.95	219.23
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard) For Painted Bracket Supports, Add	1,213.88 177.91	76.30
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,070.44	76.30
22 43 39 Healthcare Faucets (22 43)		
22 43 39 00-0001 Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	103.41	17.09
22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004 EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU) For Hard Wired AC Powered, Add	584.58 24.73	83.59
22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006 EA Single Supply Metering Pedal Valve (Chicago Faucet 628)	447.44	151.92
22 43 39 00-0007 EA Double Supply Metering Pedal Valve (Chicago Faucet 625)	524.53	151.92
22 43 39 00-0008 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,118.70	151.92
22 43 39 00-0009 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676)	686.36	151.92
22 43 39 00-0010 Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011 EA Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	610.56	83.59
22 43 39 00-0012 EA Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	617.55	83.59
22 43 39 00-0013 EA Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	616.84	83.59
22 43 39 00-0014 EA Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	550.52	83.59
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	526.78	83.59
22 43 39 00-0016 Bedpan Washers (22 43 39)		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,450.75	151.92
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,377.65	151.92
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,355.99	151.92



Plumbing	22	22
Plumbing Fixtures	22 40	
Healthcare Plumbing Fixtures	22 43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0020	EA		Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,334.93	151.92
22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)					
22 43 43 00-0001			Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002	EA		Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	236.36	38.84
22 43 43 00-0003	EA		Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	515.38	38.84
22 43 46 Healthcare Patient Care Units (22 43)					
22 43 46 00-0001			Patient Care Units (22 43 46)		
22 43 46 00-0002	EA		47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV) For SDB Single Temperature Dialysis Box, Add For DDB Dual Temperature Dialysis Box, Add For BWSEV Bedpan Washer With Elevated Valve, Add For LOCK Flush Valve Lockout Device, Add	19,842.25 1,450.35 1,540.44 1,125.72 817.51	227.77
22 43 46 00-0003	EA		31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) For SDB Single Temperature Dialysis Box, Add For DDB Dual Temperature Dialysis Box, Add For BWSEV Bedpan Washer With Elevated Valve, Add For LOCK Flush Valve Lockout Device, Add	15,634.04 1,450.35 1,540.44 1,125.72 817.51	199.30
22 43 46 00-0004			Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005	EA		One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,891.47	30.92
22 43 46 00-0006	EA		Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,083.80	30.92
22 45 Emergency Plumbing Fixtures (22 40)					
22 45 13			Emergency Showers (22 45)		
22 45 13 00-0001			Emergency Drench Showers (22 45 13)		
22 45 13 00-0002			Emergency Drench Showers (Haws) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0003	EA		Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	726.07	199.30
22 45 13 00-0004	EA		Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	827.69	199.30
22 45 13 00-0005	EA		Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	884.15	199.30
22 45 13 00-0006	EA		Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,053.53	199.30
22 45 13 00-0007	EA		Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,403.57	199.30
22 45 13 00-0008	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,121.75	227.77
22 45 13 00-0009	EA		Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FF)	1,229.51	256.24
22 45 13 00-0010	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,122.24	256.24
22 45 13 00-0011	EA		Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,144.83	256.24
22 45 13 00-0012	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,568.26	256.24
22 45 13 00-0013			Emergency Drench Showers (Speakman) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0014	EA		Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	645.88	199.30
22 45 13 00-0015	EA		Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	664.35	199.30
22 45 13 00-0016	EA		Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,031.14	227.77
22 45 13 00-0017			Emergency Drench Showers (WaterSaver) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0018	EA		Emergency Shower, Vertically Mounted (WaterSaver ES635)	871.58	199.30
22 45 13 00-0019	EA		Emergency Shower, Horizontally Mounted (WaterSaver ES643)	892.27	199.30
22 45 13 00-0020	EA		All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	1,905.17	199.30
22 45 13 00-0021	EA		Emergency Shower, Recess Mounted (WaterSaver ES629)	1,382.14	256.24
22 45 13 00-0022	EA		Emergency Shower, Semi-Concealed (WaterSaver ES658)	1,850.12	256.24
22 45 16 Eyewash Equipment (22 45)					
22 45 16 00-0001			Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002			Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	304.97	5.70

22 Plumbing
22 40 Plumbing Fixtures
22 45 Emergency Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,477.93	256.24
22 45 16 00-0005			Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006	EA		Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	859.18	56.95
22 45 16 00-0007	EA		Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	859.18	56.95
22 45 16 00-0008	EA		Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	874.85	56.95
22 45 16 00-0009	EA		Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	874.85	56.95
22 45 16 00-0010	EA		Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	1,162.55	56.95
22 45 16 00-0011	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,324.63	56.95
22 45 16 00-0012	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,324.63	56.95
22 45 16 00-0013	EA		Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	2,455.03	56.95
22 45 16 00-0014	EA		Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	2,455.03	56.95
22 45 16 00-0015	EA		Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	2,569.07	56.95
22 45 16 00-0016	EA		Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	2,569.07	56.95
22 45 16 00-0017	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	3,169.20	56.95
22 45 16 00-0018	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	3,169.20	56.95
22 45 16 00-0019	EA		Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,581.16	199.30
22 45 16 00-0020	EA		Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,559.04	199.30
22 45 16 00-0021	EA		Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	1,123.05	199.30
22 45 16 00-0022	EA		Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,582.83	199.30
22 45 16 00-0023	EA		Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	958.89	199.30
22 45 23			Personal Eyewash Equipment (22 45)		
22 45 23 00-0001			Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002			Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921).....	306.56	17.09
22 45 23 00-0004	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H).....	1,597.76	17.09
22 45 23 00-0005	EA		5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671).....	727.80	
22 45 23 00-0006	EA		5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672).....	868.20	
22 45 26			Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001			Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002			Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003	EA		Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	775.91	142.36
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	788.17	199.30
22 45 26 00-0005	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	771.24	199.30
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	837.86	199.30
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	844.63	199.30
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	924.80	199.30
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,245.49	199.30
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,318.20	199.30
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	963.67	227.77
22 45 26 00-0012	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	1,093.52	227.77
22 45 26 00-0013	EA		Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,403.36	227.77
22 45 26 00-0014	EA		Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	638.95	56.95
22 45 26 00-0015	EA		Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	616.37	56.95
22 45 26 00-0016	EA		Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	644.60	56.95
22 45 26 00-0017	EA		Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	808.33	56.95
22 45 26 00-0018	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,992.18	284.72
22 45 26 00-0019	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,392.07	227.77
22 45 26 00-0020	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,466.44	284.72
22 45 26 00-0021	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,877.61	227.77



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) <small>(22 45 26 00-0001)</small>		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	722.83	199.30
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	883.39	227.77
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) <small>(22 45 26 00-0001)</small>		
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	1,411.58	199.30
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,871.37	199.30
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	1,812.92	199.30
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,673.44	199.30
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	904.81	56.95
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	904.81	56.95
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	877.60	56.95
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	877.60	56.95
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	1,345.08	56.95
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	1,345.08	56.95
22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) <small>(22 45 26 00-0001)</small>		
Note: Includes one pull rod.		
22 45 26 00-0037 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994).....	5,588.47	199.30
22 45 29 Hand-Held Emergency Drench Hoses <small>(22 45)</small>		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose <small>(22 45 29)</small>		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) <small>(22 45 29 00-0001)</small>		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	684.36	71.18
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	785.99	71.18
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) <small>(22 45 29 00-0001)</small>		
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	690.70	71.18
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	636.09	71.18
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	957.38	71.18
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	896.61	71.18
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	918.37	71.18
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	1,204.88	71.18
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,395.43	71.18
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,330.81	71.18
22 45 33 Combination Emergency Fixture Units <small>(22 45)</small>		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash <small>(22 45 33)</small>		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) <small>(22 45 33 00-0001)</small>		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	4,043.08	370.13
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)	2,755.83	370.13
Note: Includes freeze protection bury valve.		
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,937.18	370.13
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	3,049.41	370.13
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,253.35	370.13
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,123.49	370.13
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,824.26	370.13
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,947.79	370.13
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	3,224.43	370.13
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	3,286.54	370.13

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,664.81	370.13
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	3,885.00	370.13
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,822.89	370.13
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	5,686.02	370.13
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	5,990.90	370.13
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	12,596.54	370.13
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,824.26	370.13
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	2,055.74	370.13
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,738.46	370.13
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	6,312.38	309.13
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	6,450.95	309.13
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	2,545.73	309.13
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	2,330.14	309.13
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	3,005.52	309.13
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	723.88	71.18
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	1,056.99	71.18
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,548.18	71.18
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,824.82	71.18
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,581.37	71.18
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,722.51	71.18
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	4,568.71	71.18
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	5,488.98	71.18
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	808.57	71.18
22 45 39 Emergency Plumbing Fixture Accessories (22 45)		
22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	186.71	22.77
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	260.10	22.77
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	271.39	22.77
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	299.38	8.54
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	304.97	5.70
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	333.29	11.39
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	594.27	85.42
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	604.36	36.82
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	897.94	36.82
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	1,056.99	85.42
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,998.88	36.82
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,221.54	122.74
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,266.70	122.74
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	4,197.59	122.74



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0017	EA		1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	7,980.30	122.74
22 45 39 00-0018			Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019	EA		Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,104.76	85.42
22 45 39 00-0020			Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)		
22 45 39 00-0021	EA		Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	183.00	18.55
22 46			Security Plumbing Fixtures (22 46)		
22 46 13			Security Water Closets and Urinals (22 46)		
22 46 13 13			Security Water Closets (22 46 13)		
22 46 13 13-0001			Security Water Closets (22 46 13 13)		
22 46 13 13-0002	EA		Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i>	2,794.07 28.47 250.94	284.72
22 46 13 13-0003	EA		Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i>	3,367.11 28.47 308.24	284.72
22 46 13 13-0004	EA		Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i>	3,417.32 28.47 313.26	284.72
22 46 13 13-0005	EA		Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840).....	319.82	56.95
22 46 13 16			Security Urinals (22 46 13)		
22 46 13 16-0001			Security Urinals (22 46 13 16)		
22 46 13 16-0002	EA		Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700).....	3,287.67	256.24
22 46 13 16-0003	EA		Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720).....	5,563.53	364.09
22 46 13 19			Security Combination Toilet and Lavatory (22 46 13)		
22 46 13 19-0001			Security Combination Toilet - Lavatory (22 46 13 19)		
22 46 13 19-0002	EA		15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i> <i>For 15" Mirror/Shelf Module, Add</i> <i>For AC Duplex Outlet Option, Add</i> <i>For Intercom Option, Add</i> <i>For 15" Wide Light/Ventilation Module, Add</i>	5,030.74 35.31 467.77 903.05 100.61 145.61 846.83	353.05
22 46 13 19-0003	EA		18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i> <i>For 18" Mirror/Shelf Module, Add</i> <i>For AC Duplex Outlet Option, Add</i> <i>For Intercom Option, Add</i> <i>For 18" Wide Light/Ventilation Module, Add</i>	5,184.35 37.01 481.42 945.13 104.03 149.03 872.08	370.13
22 46 13 19-0004	EA		20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i> <i>For 20" Mirror/Shelf Module, Add</i> <i>For AC Duplex Outlet Option, Add</i> <i>For Intercom Option, Add</i> <i>For 20" Wide Light/Ventilation Module, Add</i>	5,301.62 38.72 491.44 997.22 107.44 152.44 907.33	387.21
22 46 13 19-0005	EA		26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i> <i>For 26" Mirror/Shelf Module, Add</i> <i>For AC Duplex Outlet Option, Add</i> <i>For Intercom Option, Add</i> <i>For 26" Wide Light/Ventilation Module, Add</i>	5,671.64 40.43 526.73 1,039.30 110.86 155.86 937.58	404.30
22 46 13 19-0006	EA		28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)..... <i>For Angled Toilet, Add</i> <i>For Offset Toilet, Add</i> <i>For 28" Mirror/Shelf Module, Add</i> <i>For AC Duplex Outlet Option, Add</i> <i>For Intercom Option, Add</i> <i>For 28" Wide Light/Ventilation Module, Add</i>	9,093.85 42.14 867.25 1,076.38 114.28 159.28 967.83	421.38

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 46 16 Security Lavatories and Sinks (22 46)

22 46 16 13 Security Lavatories (22 46 16)

22 46 16 13-0001 Security Lavatories (22 46 16 13)

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650).....	2,012.59	199.30
		<i>For Shelf, Add</i>	94.79	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655).....	2,045.83	199.30
		<i>For Shelf, Add</i>	94.79	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660).....	2,326.52	199.30
		<i>For Shelf, Add</i>	94.79	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656).....	2,045.83	199.30
		<i>For Shelf, Add</i>	94.79	

22 46 16 16 Security Sinks (22 46 16)

22 46 16 16-0001 Security Sinks (22 46 16 16)

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642).....	4,304.08	303.51
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22 46 16 16-0003 Security Mop Sink (22 46 16 16)

22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630).....	4,117.38	170.83
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22 46 19 Security Showers (22 46)

22 46 19 00-0001	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741).....	743.13	152.04
22 46 19 00-0002	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743).....	534.31	79.72
22 46 19 00-0003	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	11,158.14	455.54
22 46 19 00-0004	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	11,559.78	455.54
22 46 19 00-0005	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	11,973.15	455.54
22 46 19 00-0006	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA).....	15,209.76	455.54
22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452).....	1,131.15	119.58
		<i>For PWT Electronic FV, Add</i>	148.00	
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA).....	1,363.77	119.58
		<i>For PWT Electronic FV, Add</i>	148.00	

22 46 56 Security Drinking Fountains (22 46)

22 46 56 00-0001 Security Drinking Fountain (22 46 56)

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	2,275.29	227.77
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	2,291.32	227.77

22 47 Drinking Fountains and Water Coolers (22 40)

22 47 13 Drinking Fountains (22 47)

22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,778.27	185.06
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,570.89	199.30
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	2,327.55	185.06
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,768.72	199.30
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSS).....	1,208.23	185.06
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSSBP).....	1,438.85	199.30
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSE).....	1,360.20	185.06
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSEBP).....	1,644.24	199.30

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,246.25	199.30
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,882.77	199.30
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF).....	2,387.48	256.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0015 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	3,504.50	256.24
22 47 13 00-0016 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,017.24	256.24
22 47 13 00-0017 EA Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	2,748.72	256.24
22 47 13 00-0018 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,088.99	199.30
22 47 13 00-0019 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	2,984.57	199.30
22 47 13 00-0020 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	2,856.96	199.30
22 47 13 00-0021 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	2,740.94	199.30
22 47 13 00-0022 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,497.31	199.30
22 47 13 00-0023 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,392.90	199.30
22 47 13 00-0024 EA Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,276.88	199.30
22 47 13 00-0025 EA Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,276.88	199.30
22 47 13 00-0026 EA Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,172.47	199.30
22 47 13 00-0027 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,172.47	199.30
22 47 13 00-0028 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,126.07	199.30
22 47 13 00-0029 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,126.07	199.30
22 47 13 00-0030 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,021.65	199.30
22 47 13 00-0031 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	1,963.65	199.30
22 47 13 00-0032 EA Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	1,882.44	199.30
22 47 13 00-0033 EA Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	1,847.63	199.30
22 47 13 00-0034 EA Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,731.62	199.30
22 47 13 00-0035 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	1,963.65	199.30
22 47 13 00-0036 EA Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,731.62	199.30
22 47 13 00-0037 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	1,833.88	199.30
22 47 13 00-0038 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	1,836.03	199.30
22 47 13 00-0039 EA Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,513.31	142.36
22 47 13 00-0040 EA Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,142.07	142.36
22 47 13 00-0041 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0042 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,659.32	213.54
22 47 13 00-0043 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	3,493.40	213.54
22 47 13 00-0044 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0045 EA Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,774.68	227.77
22 47 13 00-0046 EA Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	3,181.76	227.77
22 47 13 00-0047 Countertop Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0048 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	749.86	142.36
22 47 13 00-0049 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	723.37	142.36
22 47 13 00-0050 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	868.53	142.36
22 47 13 00-0051 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0052 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	639.67	142.36
22 47 13 00-0053 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	762.72	142.36
22 47 13 00-0054 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0055 EA Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	3,303.60	227.77
22 47 13 00-0056 EA Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	4,138.48	227.77

22 Plumbing

22 40 Plumbing Fixtures

22 47 Drinking Fountains and Water Coolers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47	13 00-0057	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	3,154.09	227.77
22 47	13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	2,669.99	227.77
22 47	13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	3,345.99	227.77
22 47	13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,940.75	290.55
22 47	13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,440.41	227.77
22 47	13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	5,344.36	227.77
22 47 13 00-0063 Outdoor Drinking Fountains (22 47 13)					
22 47 13 00-0064 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0063)					
22 47	13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,557.30	227.77
22 47	13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR).....	1,701.17	227.77
22 47	13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,638.80	227.77
22 47	13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	2,375.10	227.77
22 47	13 00-0069	EA	Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM).....	1,381.16	227.77
Note: For use with remote chillers					
22 47 13 00-0070 Free Standing Outdoor Drinking Fountains (22 47 13 00-0063)					
22 47	13 00-0071	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,897.49	213.54
22 47	13 00-0072	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	4,045.63	213.54
22 47	13 00-0073	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,893.68	213.54
22 47	13 00-0074	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	3,972.30	213.54
22 47	13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	4,281.41	227.77
22 47	13 00-0076	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	4,358.08	227.77
22 47	13 00-0077	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,655.64	213.54
22 47	13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,814.20	213.54
22 47	13 00-0079	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,962.34	213.54
22 47	13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	4,657.18	227.77
22 47	13 00-0081	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	6,510.49	227.77
22 47 16 Pressure Water Coolers (22 47)					
22 47 16 00-0001 Indoor Water Coolers (22 47 16)					
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)					
22 47	16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	3,318.79	227.77
22 47	16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	3,539.33	227.77
22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)					
22 47	16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,610.31	227.77
22 47	16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	1,667.10	227.77
22 47	16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,845.04	227.77
22 47	16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,913.19	227.77
22 47	16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,432.36	227.77
22 47	16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,650.06	227.77
22 47	16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,310.26	227.77
22 47	16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,941.90	227.77
22 47	16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	2,186.41	341.66
22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)					
22 47	16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,909.24	227.77
22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)					
22 47	16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	3,661.55	256.24
22 47	16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	4,458.20	256.24
22 47	16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	5,207.31	256.24
22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)					
22 47	16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,546.74	199.30



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains and Water Coolers	22 47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0023	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,657.48	199.30
22 47 16 00-0024	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,874.24	199.30
22 47 16 00-0025	EA		Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	2,079.64	199.30
22 47 16 00-0026			Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0027	EA		Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	547.05	113.89
22 47 16 00-0028	EA		Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	648.76	113.89
22 47 16 00-0029			Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0030	EA		Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	4,393.02	341.66
22 47 16 00-0031	EA		Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	5,030.71	341.66
22 47 16 00-0032	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	2,363.41	341.66
22 47 16 00-0033			Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034			Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035	EA		Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,646.24	142.36
22 47 16 00-0036	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,806.27	142.36
22 47 16 00-0037			Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038	EA		Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,711.02	213.54
22 47 16 00-0039	EA		Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	3,241.08	213.54
22 47 16 00-0040			Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA		Removal And Reinstallation Of Wall Hung Water Cooler	553.20	
22 47 16 00-0042	EA		Removal And Reinstallation Of Floor Mount Water Cooler.....	123.66	
22 47 19			Water-Station Water Coolers (22 47)		
22 47 19 00-0001			Bottle Filler (22 47 19)		
22 47 19 00-0002	EA		Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	4,004.42	227.77
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003	EA		Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	4,926.60	227.77
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004	EA		Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	6,316.43	256.24
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005	EA		Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	6,820.68	256.24
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006	EA		Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	7,324.92	256.24
			For Stainless Steel Carrier, Add	205.00	
22 47 23			Remote Water Coolers (22 47)		
22 47 23 00-0001			Remote Chillers (22 47 23)		
22 47 23 00-0002	EA		1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	946.93	76.87
22 47 23 00-0003	EA		5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,431.61	85.42
22 47 23 00-0004	EA		8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,236.70	99.65
22 47 23 00-0005	EA		10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,587.93	113.89
22 47 23 00-0006	EA		19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,485.56	170.83
22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,694.79	185.06
22 47 26			Fixture Carriers (22 47)		
22 47 26 00-0001			Water Cooler Carriers (22 47 26)		
22 47 26 00-0002			Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA		Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	591.01	43.27
			For Up To 4" Extension Sleeves And Hardware, Add	24.54	
			For Bi-Level Carrier, Add	282.75	
22 47 26 00-0004	EA		Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	558.72	43.27
			For Up To 4" Extension Sleeves And Hardware, Add	24.54	
			For Bi-Level Carrier, Add	282.75	

22	Plumbing
22 50	Pool and Fountain Plumbing Systems
22 47	Drinking Fountains and Water Coolers



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 50 Pool and Fountain Plumbing Systems ⁽²²⁾

22 51 Swimming Pool Plumbing Systems ^(22 50)

22 51 13 Swimming Pool Piping ^(22 51)

22 51 13 00-0001	Swimming Pool Gutters ^(22 51 13)		
22 51 13 00-0002	LF Swimming Pool Gutters, Stainless	275.22	25.62

22 51 16 Swimming Pool Pumps ^(22 51)

22 51 16 00-0001	Variable Speed Pool Pumps ^(22 51 16)		
22 51 16 00-0002	EA 3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,790.93	484.02
22 51 16 00-0003	EA Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,049.62	484.02
22 51 16 00-0004	EA Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,396.84	484.02

22 51 16 00-0005 Electric Powered Portable Vacuum Cleaner Pump ^(22 51 16)

Note: Includes 75' of 3 wire electric safety cord.

22 51 16 00-0006	EA 1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	384.25	56.95
22 51 16 00-0007	EA 1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	657.09	56.95

22 51 16 00-0008 Gasoline Driven Portable Vacuum Cleaner Pump ^(22 51 16)

22 51 16 00-0009	EA 3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,470.95	56.95
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22 51 19 Swimming Pool Water Treatment Equipment ^(22 51)

22 51 19 00-0001 Condensing Pool Water Heater ^(22 51 19)

22 51 19 00-0002	EA 372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	40,456.81	816.11
22 51 19 00-0003	EA 467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	44,081.52	979.33
22 51 19 00-0004	EA 567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	48,339.20	1,060.95
22 51 19 00-0005	EA 660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	59,371.61	1,142.56
22 51 19 00-0006	EA 773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	61,586.90	1,224.17
22 51 19 00-0007	EA 967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	93,327.27	1,469.01
22 51 19 00-0008	EA 1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	119,569.95	1,550.61
22 51 19 00-0009	EA 1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	124,396.18	1,673.03

22 51 19 00-0010 Non-Condensing Pool Water Heater ^(22 51 19)

22 51 19 00-0011	EA 500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	21,829.26	1,060.95
22 51 19 00-0012	EA 650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	23,265.59	1,142.56
22 51 19 00-0013	EA 750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	25,344.72	1,224.17
22 51 19 00-0014	EA 990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	33,482.00	1,469.01
22 51 19 00-0015	EA 1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	38,787.79	1,550.61
22 51 19 00-0016	EA 1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	41,408.54	1,673.03
22 51 19 00-0017	EA 1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	41,035.21	1,754.64
22 51 19 00-0018	EA 2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	53,151.99	1,795.44

22 51 19 00-0019 Swimming Pool Heaters ^(22 51 19)

Note: Excludes wiring, external piping, base or pad. Commercial pools.

22 51 19 00-0020 Electric Pool Heaters ^(22 51 19 00-0019)

22 51 19 00-0021	EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,382.40	227.77
22 51 19 00-0022	EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,896.59	244.86
22 51 19 00-0023	EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,441.68	284.72
22 51 19 00-0024	EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,765.02	341.66
22 51 19 00-0025	EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,354.09	478.33
22 51 19 00-0026	EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,298.54	683.32

22 51 19 00-0027 Gas Fired Pool Heaters ^(22 51 19 00-0019)

22 51 19 00-0028	EA 120 MBH Output Gas Fired Pool Heater	6,087.80	1,074.48
22 51 19 00-0029	EA 180 MBH Output Gas Fired Pool Heater	6,915.36	1,227.98
22 51 19 00-0030	EA 240 MBH Output Gas Fired Pool Heater	7,813.69	1,381.48
22 51 19 00-0031	EA 300 MBH Output Gas Fired Pool Heater	8,997.31	1,688.48
22 51 19 00-0032	EA 360 MBH Output Gas Fired Pool Heater	9,268.77	1,781.85
22 51 19 00-0033	EA 400 MBH Output Gas Fired Pool Heater	10,840.71	2,170.29
22 51 19 00-0034	EA 500 MBH Output Gas Fired Pool Heater	17,018.72	2,504.17
22 51 19 00-0035	EA 600 MBH Output Gas Fired Pool Heater	19,728.67	2,754.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0036 EA 750 MBH Output Gas Fired Pool Heater	22,243.51	3,005.01
22 51 19 00-0037 EA 1,000 MBH Output Gas Fired Pool Heater	28,508.89	3,547.58
22 51 19 00-0038 Surge Tanks <small>(22 51 19)</small> Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	23,061.78	878.01
22 51 19 00-0040 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	25,926.22	878.01
22 51 19 00-0041 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	31,199.08	1,115.23
22 51 19 00-0042 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	41,052.26	1,799.86
22 51 19 00-0043 Diatomite Type Filter System <small>(22 51 19)</small>		
22 51 19 00-0044 EA 35,000 Gallon Filter System, Diatomite	15,384.13	3,181.62
22 51 19 00-0045 EA 45,000 Gallon Filter System, Diatomite	18,346.75	3,817.94
22 51 19 00-0046 Silver Recovery System, X-Ray Film Processing <small>(22 51 19)</small>		
22 51 19 00-0047 EA 20 Gallon/Day Capacity, Silver Recovery System	2,054.57	386.41
22 51 19 00-0048 EA 40 Gallon/Day Capacity, Silver Recovery System	3,011.29	515.26
22 51 19 00-0049 Inline Water Filter <small>(22 51 19)</small> Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	274.30	113.89
22 51 19 00-0051 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	492.74	170.83
22 51 19 00-0052 Swimming Pool Chlorinators <small>(22 51 19)</small>		
22 51 19 00-0053 EA Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,171.49	162.85
22 51 19 00-0054 Ultra-Violet Pool Treatment Lights <small>(22 51 19)</small>		
22 51 19 00-0055 Stainless Steel Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0054)</small> Note: Delta ELP Amalgam Series		
22 51 19 00-0056 EA 3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	15,714.55	355.09
22 51 19 00-0057 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,615.01	355.09
22 51 19 00-0058 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,386.84	355.09
22 51 19 00-0059 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,936.47	376.11
22 51 19 00-0060 EA 4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,318.96	376.11
22 51 19 00-0061 EA 4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	21,792.11	376.11
22 51 19 00-0062 EA 6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	25,718.80	675.69
22 51 19 00-0063 EA 6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	38,146.28	675.69
22 51 19 00-0064 EA 6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	41,879.87	675.69
22 51 19 00-0065 EA 8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	44,908.70	810.61
22 51 19 00-0066 EA 8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	48,234.39	810.61
22 51 19 00-0067 EA 8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	50,556.13	810.61
22 51 19 00-0068 EA 8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	53,066.10	810.61
22 51 19 00-0069 EA 10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	56,997.76	921.39
22 51 19 00-0070 EA 10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	61,300.22	921.39
22 51 19 00-0071 EA 10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	65,782.65	921.39
22 51 19 00-0072 EA 10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	71,116.34	921.39
22 51 19 00-0073 HDPE Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0054)</small> Note: Delta EL Series		
22 51 19 00-0074 EA 3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	7,823.87	355.09
22 51 19 00-0075 EA 3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,702.33	355.09
22 51 19 00-0076 EA 4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,612.53	376.11
22 51 19 00-0077 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights <small>(22 51 19 00-0054)</small> Note: Delta EM Series		
22 51 19 00-0078 EA 3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	30,413.56	355.09
22 51 19 00-0079 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	30,727.28	355.09
22 51 19 00-0080 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,793.80	675.69
22 51 19 00-0081 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	41,541.01	675.69
22 51 19 00-0082 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	57,960.53	810.61
22 51 19 00-0083 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	65,406.17	921.39
22 51 19 00-0084 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	77,112.34	1,192.32
22 51 19 00-0085 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	86,524.70	1,192.32
22 51 23 Swimming Pool Equipment Controls <small>(22 51)</small>		
22 51 23 00-0001 Pool Pump Variable Frequency Drive <small>(22 51 23)</small> Note: Pentair Acu Drive XS		
22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,590.28	235.66

22 Plumbing**22 50 Pool and Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51	23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01).....	4,928.72	265.12
22 51	23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01).....	5,903.39	331.41
22 51	23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01).....	6,278.30	395.47
22 51	23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01).....	6,720.03	460.28
22 51	23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01).....	7,616.31	525.82
22 51	23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01).....	4,596.07	235.66
22 51	23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01).....	4,845.78	265.12
22 51	23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01).....	5,224.38	331.41
22 51	23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01).....	5,618.58	395.47
22 51	23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01).....	6,625.51	460.28
22 51	23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	7,359.75	525.82
22 51	23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB).....	5,929.01	235.66
22 51	23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB).....	6,817.21	265.12
22 51	23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB).....	7,577.76	331.41
22 51	23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB).....	8,170.65	395.47
22 51	23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB).....	9,619.32	460.28
22 51	23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB).....	10,845.45	525.82
22 51	23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB).....	6,366.89	235.66
22 51	23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB).....	6,620.84	265.12
22 51	23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB).....	6,993.27	331.41
22 51	23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB).....	7,389.40	395.47
22 51	23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB).....	8,432.99	460.28
22 51	23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB).....	9,227.02	525.82
22 51	23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12).....	4,368.14	235.66
22 51	23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12).....	4,440.86	235.66
22 51	23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12).....	4,485.79	235.66
22 51	23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12).....	4,606.83	235.66
22 51	23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12).....	4,789.68	235.66
22 51	23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12).....	4,931.52	235.66
22 51	23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12).....	5,279.61	265.12
22 51	23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12).....	6,294.74	331.41
22 51	23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12).....	6,733.48	395.47
22 51	23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12).....	7,188.80	460.28
22 51	23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12).....	8,167.83	525.82
22 51	23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12).....	10,728.10	655.44
22 51	23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12).....	11,842.71	721.72
22 51	23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12).....	14,007.84	788.01
22 51	23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12).....	16,298.38	920.56
22 51	23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12).....	17,853.99	986.84
22 51	23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12).....	4,458.76	235.66
22 51	23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12).....	4,552.69	235.66
22 51	23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12).....	4,670.86	235.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0045 EA 1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12).....	4,772.44	235.66
22 51 23 00-0046 EA 2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12).....	4,875.95	235.66
22 51 23 00-0047 EA 3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12).....	4,985.19	235.66
22 51 23 00-0048 EA 5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12).....	5,243.19	265.12
22 51 23 00-0049 EA 7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12).....	5,625.82	331.41
22 51 23 00-0050 EA 10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12).....	6,029.69	395.47
22 51 23 00-0051 EA 15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12).....	7,327.96	460.28
22 51 23 00-0052 EA 20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12).....	8,079.27	525.82
22 51 23 00-0053 EA 25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12).....	8,904.56	655.44
22 51 23 00-0054 EA 30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12).....	10,071.91	721.72
22 51 23 00-0055 EA 40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12).....	11,371.20	788.01
22 51 23 00-0056 EA 50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	13,935.53	920.56
22 51 23 00-0057 EA 60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	15,310.28	986.84
22 51 23 00-0058 EA 75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	17,168.67	1,053.13
22 51 23 00-0059 EA 100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	20,342.48	1,115.72
22 51 23 00-0060 EA 125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	23,460.78	1,178.32
22 51 23 00-0061 EA 150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	25,446.12	1,318.25
22 51 23 00-0062 EA 200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	29,706.90	1,443.44
22 51 23 00-0063 EA 1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	6,306.90	235.66
22 51 23 00-0064 EA 3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	6,379.62	235.66
22 51 23 00-0065 EA 1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	6,424.55	235.66
22 51 23 00-0066 EA 1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	6,545.60	235.66
22 51 23 00-0067 EA 2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	6,728.45	235.66
22 51 23 00-0068 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	6,870.28	235.66
22 51 23 00-0069 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	7,218.37	265.12
22 51 23 00-0070 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	8,014.02	331.41
22 51 23 00-0071 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	8,676.93	395.47
22 51 23 00-0072 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	10,164.46	460.28
22 51 23 00-0073 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	11,487.00	525.82
22 51 23 00-0074 EA 25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	13,521.56	655.44
22 51 23 00-0075 EA 30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	14,886.33	721.72
22 51 23 00-0076 EA 40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	19,018.88	788.01
22 51 23 00-0077 EA 50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	25,079.23	920.56
22 51 23 00-0078 EA 60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	27,563.02	986.84
22 51 23 00-0079 EA 1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	6,279.39	235.66
22 51 23 00-0080 EA 3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	6,373.30	235.66
22 51 23 00-0081 EA 1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	6,491.49	235.66
22 51 23 00-0082 EA 1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	6,593.07	235.66
22 51 23 00-0083 EA 2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	6,696.56	235.66
22 51 23 00-0084 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	6,805.82	235.66
22 51 23 00-0085 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	7,063.82	265.12
22 51 23 00-0086 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	7,444.48	331.41

22 Plumbing
22 50 Pool and Fountain Plumbing Systems
22 51 Swimming Pool Plumbing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51	23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	7,848.35	395.47
22 51	23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,186.11	460.28
22 51	23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	9,998.52	525.82
22 51	23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	10,953.91	655.44
22 51	23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	12,345.66	721.72
22 51	23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	14,620.60	788.01
22 51	23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	16,823.38	920.56
22 51	23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	18,730.34	986.84
22 51	23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	21,751.63	1,053.13
22 51	23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	28,689.71	1,115.72
22 51	23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	31,739.16	1,178.32
22 51	23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	39,877.78	1,318.25
22 51	23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	46,858.66	1,443.44
22 51	23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	430.71	
22 51	23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	687.30	
22 51	23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	760.60	
22 51	23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,292.12	
22 51	23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,465.11	
22 51	23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,543.48	
22 51	23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,613.83	
22 51	23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,761.22	
22 51	23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,889.09	
22 51	23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,208.25	
22 51	23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,274.33	
22 51	23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,414.95	
22 51	23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,538.84	
22 51	23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,034.59	
22 51	23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,046.95	
22 51	23 00-0115		Eco-Flow-E Aquatic Variable Frequency Drive And Options (22 51 23)		
22 51	23 00-0116		Eco-Flow-E Aquatic Variable Frequency Drive (22 51 23 00-0115)		
22 51	23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	3,959.53	196.39
			<i>For Bypass Panel, Add</i>	899.06	
22 51	23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	3,963.33	196.39
			<i>For Bypass Panel, Add</i>	899.06	
22 51	23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,032.68	220.94
			<i>For Bypass Panel, Add</i>	899.06	
22 51	23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,184.95	276.17
			<i>For Bypass Panel, Add</i>	899.06	
22 51	23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,526.05	329.57
			<i>For Bypass Panel, Add</i>	899.06	
22 51	23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,036.85	383.56
			<i>For Bypass Panel, Add</i>	1,061.46	
22 51	23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	5,936.45	438.19
			<i>For Bypass Panel, Add</i>	1,061.46	
22 51	23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,178.91	548.65
			<i>For Bypass Panel, Add</i>	1,061.46	
22 51	23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,391.36	603.28
			<i>For Bypass Panel, Add</i>	1,061.46	
22 51	23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,622.24	657.28
			<i>For Bypass Panel, Add</i>	1,292.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0127	EA		1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2).....	3,937.99	196.39
			<i>For Bypass Panel, Add</i>	899.06	
22 51 23 00-0128	EA		1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2).....	3,943.06	196.39
			<i>For Bypass Panel, Add</i>	899.06	
22 51 23 00-0129	EA		1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2).....	3,967.13	196.39
			<i>For Bypass Panel, Add</i>	899.06	
22 51 23 00-0130	EA		5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2).....	4,052.95	220.94
			<i>For Bypass Panel, Add</i>	1,061.46	
22 51 23 00-0131	EA		3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2).....	4,402.80	276.17
			<i>For Bypass Panel, Add</i>	1,061.46	
22 51 23 00-0132	EA		5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2).....	4,908.56	329.57
			<i>For Bypass Panel, Add</i>	1,061.46	
22 51 23 00-0133	EA		7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2).....	5,815.81	383.56
			<i>For Bypass Panel, Add</i>	1,292.27	
22 51 23 00-0134	EA		10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2).....	5,949.11	438.19
			<i>For Bypass Panel, Add</i>	1,292.27	
22 51 23 00-0135	EA		25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2).....	7,264.39	548.65
			<i>For Bypass Panel, Add</i>	1,756.13	
22 51 23 00-0136	EA		15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2).....	7,497.75	603.28
			<i>For Bypass Panel, Add</i>	2,420.12	
22 51 23 00-0137			Eco-Flow-E Aquatic Variable Frequency Drive Options <small>(22 51 23 00-0115)</small>		
22 51 23 00-0138	EA		0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30).....	544.06	92.05
22 51 23 00-0139	EA		0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100).....	544.06	92.05
22 51 23 00-0140	EA		Lightning Arrestor (H2Flow LA).....	576.18	61.37
22 51 23 00-0141	EA		2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00).....	648.00	27.62
22 51 23 00-0142	EA		3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00).....	669.34	30.68
22 51 23 00-0143	EA		5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00).....	685.60	33.75
22 51 23 00-0144	EA		7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00).....	715.82	36.82
22 51 23 00-0145	EA		10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00).....	729.55	39.89
22 51 23 00-0146	EA		15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00).....	952.27	42.96
22 51 23 00-0147	EA		20 HP, 480 Volt, Load Reactor (TCI V1K27A00).....	992.60	46.03
22 51 23 00-0148	EA		25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00).....	1,036.74	49.10
22 51 23 00-0149	EA		30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00).....	1,079.61	52.17
22 51 23 00-0150	EA		40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00).....	1,117.42	55.23
22 51 23 00-0151	EA		25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00).....	1,536.46	58.30
22 51 23 00-0152	EA		1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L).....	196.90	30.68
22 51 23 00-0153	EA		2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L).....	210.63	33.75
22 51 23 00-0154	EA		3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L).....	235.77	36.82
22 51 23 00-0155	EA		5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L).....	310.30	39.89
22 51 23 00-0156	EA		7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L).....	348.11	42.96
22 51 23 00-0157	EA		10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L).....	360.57	46.03
22 51 23 00-0158	EA		15 HP, 208/230 Volt, Line Reactor (TCI KDRD26L).....	373.04	49.10
22 51 23 00-0159	EA		20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L).....	395.65	52.17
22 51 23 00-0160	EA		25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L).....	500.58	55.23
22 51 23 00-0161	EA		30 HP, 208/230 Volt, Line Reactor (TCI KDRC24L).....	514.31	58.30
22 51 23 00-0162	EA		1 HP, 480 Volt, Line Reactor (TCI KDRA8L).....	198.16	30.68
22 51 23 00-0163	EA		2 HP, 480 Volt, Line Reactor (TCI KDRA1L).....	218.23	33.75
22 51 23 00-0164	EA		3 HP, 480 Volt, Line Reactor (TCI KDRA2L).....	239.57	36.82
22 51 23 00-0165	EA		5 HP, 480 Volt, Line Reactor (TCI KDRA3L).....	252.04	39.89
22 51 23 00-0166	EA		7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L).....	263.24	42.96
22 51 23 00-0167	EA		10 HP, 480 Volt, Line Reactor (TCI KDRA5L).....	330.17	46.03
22 51 23 00-0168	EA		15 HP, 480 Volt, Line Reactor (TCI KDRB2L).....	343.91	49.10
22 51 23 00-0169	EA		20 HP, 480 Volt, Line Reactor (TCI KDRB1L).....	361.45	52.17
22 51 23 00-0170	EA		25 HP, 480 Volt, Line Reactor (TCI KDRD1L).....	373.92	55.23
22 51 23 00-0171	EA		30 HP, 480 Volt, Line Reactor (TCI KDRD2L).....	450.98	58.30
22 51 23 00-0172	EA		40 HP, 480 Volt, Line Reactor (TCI KDRC1L).....	491.32	61.37
22 51 23 00-0173	EA		Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit.....	80.44	
22 51 23 00-0174	EA		Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit.....	109.53	
22 51 23 00-0175	EA		Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit.....	136.09	
22 51 23 00-0176			Pool Flow Meters <small>(22 51 23)</small>		
22 51 23 00-0177	EA		20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15).....	144.86	22.77
22 51 23 00-0178	EA		20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R).....	144.86	22.77
22 51 23 00-0179	EA		20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15).....	226.27	42.71
22 51 23 00-0180	EA		20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C).....	190.41	45.56
22 51 23 00-0181			Paddlewheel Flow Sensors <small>(22 51 23)</small>		

22 Plumbing

22 50 Pool and Fountain Plumbing Systems

22 51 Swimming Pool Plumbing Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51	23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0) Note: Includes 25' of cable (extendable to 200').	965.26	70.88
22 51	23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO).....	1,280.64	70.88
22 51	23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO).....	1,280.64	70.88
22 51	23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO).....	1,330.04	70.88
22 51	23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO).....	1,383.24	70.88
22 51	23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO).....	1,483.93	70.88
22 51	23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO).....	1,483.93	70.88
22 51	23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO).....	1,546.63	70.88
22 51	23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO).....	1,607.43	70.88
22 51	23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)..... Note: Includes 25' of cable (extendable to 200').	1,008.96	70.88
22 51	23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1).....	1,330.04	70.88
22 51	23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1).....	1,330.04	70.88
22 51	23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1).....	1,383.24	70.88
22 51	23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1).....	1,432.64	70.88
22 51	23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2)..... Note: Includes 25' of cable (extendable to 200').	1,048.86	70.88
22 51	23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020).....	325.40	
22 51	23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040).....	449.86	
22 51	23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060).....	553.41	
22 51	23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080).....	679.78	
22 51	23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100).....	899.23	
22 51	23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120).....	911.60	
22 51	23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524).....	318.58	19.64
22 51	23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524).....	438.27	19.64
22 51	23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024).....	540.87	19.64
22 51	23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024).....	685.26	19.64
22 51	23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024).....	951.25	19.64

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities ⁽²²⁾

22 63 Gas Systems for Laboratory and Healthcare Facilities ^(22 60)

22 63 13 Gas Piping for Laboratory and Healthcare Facilities ^(22 63)

22 63 13 53 Laboratory Gas Piping ^(22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2234 for PVC piping.

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities ^(22 60)

22 66 53 Laboratory Chemical-Waste and Vent Piping ^(22 66)

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings ^(22 66 53)

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fused Fittings ^(22 66 53 00-0001)

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe ^(22 66 53 00-0002)

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	14.65	6.49
		For Schedule 80, Add	2.53	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.17	
		For Work In Restricted Working Space, Add	2.93	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	17.59	7.28
		For Schedule 80, Add	3.43	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.93	
		For Work In Restricted Working Space, Add	3.30	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	27.81	10.59
		For Schedule 80, Add	6.18	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.29	
		For Work In Restricted Working Space, Add	4.78	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	37.58	13.78
		For Schedule 80, Add	8.78	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	7.51	
		For Work In Restricted Working Space, Add	6.21	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	60.81	20.27
		For Schedule 80, Add	15.83	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	13.55	
		For Work In Restricted Working Space, Add	9.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	56.39	24.48
For Work In Restricted Working Space, Add	11.02	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	72.86	32.34
For Work In Restricted Working Space, Add	14.54	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	96.97	37.01
For Work In Restricted Working Space, Add	16.67	
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	139.42	48.97
For Work In Restricted Working Space, Add	22.04	
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	270.53	72.31
For Work In Restricted Working Space, Add	32.54	
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	56.05	24.48
For Work In Restricted Working Space, Add	11.02	
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	71.97	32.34
For Work In Restricted Working Space, Add	14.54	
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	98.67	37.01
For Work In Restricted Working Space, Add	16.67	
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	122.38	48.97
For Work In Restricted Working Space, Add	22.04	
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	244.12	72.31
For Work In Restricted Working Space, Add	32.54	
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	102.95	52.39
For Work In Restricted Working Space, Add	23.57	
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	128.26	66.06
For Work In Restricted Working Space, Add	29.71	
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	166.95	72.31
For Work In Restricted Working Space, Add	32.54	
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	229.94	94.99
For Work In Restricted Working Space, Add	42.71	
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	401.94	151.92
For Work In Restricted Working Space, Add	68.33	
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	128.22	66.06
For Work In Restricted Working Space, Add	29.71	
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	162.87	72.31
For Work In Restricted Working Space, Add	32.54	
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	159.24	72.31
For Work In Restricted Working Space, Add	32.54	
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	220.63	94.99
For Work In Restricted Working Space, Add	42.71	
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	224.14	94.99
For Work In Restricted Working Space, Add	42.71	
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	376.02	151.92
For Work In Restricted Working Space, Add	68.33	
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	114.86	52.39
For Work In Restricted Working Space, Add	23.57	
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	131.14	66.06
For Work In Restricted Working Space, Add	29.71	
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	175.77	72.31
For Work In Restricted Working Space, Add	32.54	
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	234.00	94.99
For Work In Restricted Working Space, Add	42.71	
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	351.68	151.92
For Work In Restricted Working Space, Add	68.33	
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	109.64	52.39
For Work In Restricted Working Space, Add	23.57	
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	134.46	66.06
For Work In Restricted Working Space, Add	29.71	
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	170.64	72.31
For Work In Restricted Working Space, Add	32.54	
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	233.00	94.99
For Work In Restricted Working Space, Add	42.71	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	457.86 68.33	151.92
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes ^(22 66 53 00-0002)		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	142.64 29.71	66.06
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	166.44 32.54	72.31
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	166.44 32.54	72.31
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	229.37 42.71	94.99
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	229.37 42.71	94.99
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	409.69 68.33	151.92
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	412.51 68.33	151.92
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	377.21 68.33	151.92
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses ^(22 66 53 00-0002)		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	136.43 29.45	65.48
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	169.61 37.14	82.57
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	227.26 40.67	90.43
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	315.24 53.39	118.67
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	557.75 85.42	189.85
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends ^(22 66 53 00-0002)		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	100.77 23.57	52.39
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	131.49 29.71	66.06
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	150.01 32.54	72.31
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	206.96 42.71	94.99
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	121.83 29.71	66.06
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	146.12 32.54	72.31
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	147.68 32.54	72.31
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	201.18 42.71	94.99
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	202.17 42.71	94.99
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps ^(22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	118.98 27.33	60.82
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	158.22 35.96	79.95
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	238.12 48.81	108.54
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	333.82 62.12	138.14
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters ^(22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	55.46 11.02	24.48
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	67.97 14.54	32.34
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	79.69 16.67	37.01
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	108.27 22.04	48.97
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	160.58 32.54	72.31



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0082		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 66 53 00-0002)</small>		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter.....	53.11	24.48
		<i>For Work In Restricted Working Space, Add</i>	11.02	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter.....	69.74	32.34
		<i>For Work In Restricted Working Space, Add</i>	14.54	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter.....	82.95	37.01
		<i>For Work In Restricted Working Space, Add</i>	16.67	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter.....	111.47	48.97
		<i>For Work In Restricted Working Space, Add</i>	22.04	
22 66 53 00-0087		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings <small>(22 66 53 00-0002)</small>		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	50.19	24.48
		<i>For Work In Restricted Working Space, Add</i>	11.02	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	64.50	32.34
		<i>For Work In Restricted Working Space, Add</i>	14.54	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	75.02	37.01
		<i>For Work In Restricted Working Space, Add</i>	16.67	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	99.22	48.97
		<i>For Work In Restricted Working Space, Add</i>	22.04	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	145.89	72.31
		<i>For Work In Restricted Working Space, Add</i>	32.54	
22 66 53 00-0093		Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
22 66 53 00-0094		Glass Acid Resistant DWV Pipe <small>(22 66 53 00-0093)</small>		
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe.....	40.97	6.26
		<i>For Work In Restricted Working Space, Add</i>	3.76	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe.....	52.42	6.83
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe.....	72.39	9.57
		<i>For Work In Restricted Working Space, Add</i>	5.76	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe.....	121.59	12.42
		<i>For Work In Restricted Working Space, Add</i>	7.46	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe.....	207.34	16.96
		<i>For Work In Restricted Working Space, Add</i>	10.17	
22 66 53 00-0100		Glass Acid Resistant DWV 90 Or 60 Degree Sweeps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	116.21	27.91
		<i>For Work In Restricted Working Space, Add</i>	16.71	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	135.50	29.61
		<i>For Work In Restricted Working Space, Add</i>	17.73	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	193.02	33.60
		<i>For Work In Restricted Working Space, Add</i>	20.16	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	289.72	44.42
		<i>For Work In Restricted Working Space, Add</i>	26.65	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	735.26	61.50
		<i>For Work In Restricted Working Space, Add</i>	36.90	
22 66 53 00-0106		Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep.....	116.44	28.02
		<i>For Work In Restricted Working Space, Add</i>	16.78	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep.....	135.03	29.27
		<i>For Work In Restricted Working Space, Add</i>	17.59	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep.....	192.79	33.48
		<i>For Work In Restricted Working Space, Add</i>	20.09	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep.....	289.72	44.42
		<i>For Work In Restricted Working Space, Add</i>	26.65	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep.....	735.24	61.50
		<i>For Work In Restricted Working Space, Add</i>	36.89	
22 66 53 00-0112		Glass Acid Resistant DWV 90 Or 60 Degree Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	118.09	28.02
		<i>For Work In Restricted Working Space, Add</i>	16.78	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	137.01	29.27
		<i>For Work In Restricted Working Space, Add</i>	17.59	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	196.26	33.48
		<i>For Work In Restricted Working Space, Add</i>	20.09	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	289.72	44.42
		<i>For Work In Restricted Working Space, Add</i>	26.65	
22 66 53 00-0117		Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	118.09	28.02
		<i>For Work In Restricted Working Space, Add</i>	16.78	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0119	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	137.01 17.59	29.27
22 66 53 00-0120	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	196.26 20.09	33.48
22 66 53 00-0121	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	289.72 26.65	44.42
22 66 53 00-0122			Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)		
22 66 53 00-0123	EA		1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg <i>For Work In Restricted Working Space, Add</i>	141.68 16.78	28.02
22 66 53 00-0124	EA		2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	170.91 17.59	29.27
22 66 53 00-0125			Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)		
22 66 53 00-0126	EA		1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	192.02 25.17	41.91
22 66 53 00-0127	EA		2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	250.47 26.03	43.39
22 66 53 00-0128	EA		2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	229.84 26.39	43.96
22 66 53 00-0129	EA		3" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	320.37 30.14	50.23
22 66 53 00-0130	EA		4" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	544.44 39.97	66.62
22 66 53 00-0131	EA		6" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	844.57 55.36	92.25
22 66 53 00-0132			Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0133	EA		1-1/2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	181.83 25.28	42.13
22 66 53 00-0134	EA		2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	185.24 26.31	43.85
22 66 53 00-0135	EA		3" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	245.72 30.07	50.12
22 66 53 00-0136	EA		4" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	394.32 39.97	66.62
22 66 53 00-0137	EA		6" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	883.90 55.35	92.25
22 66 53 00-0138			Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0139	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	184.10 25.97	43.27
22 66 53 00-0140	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	223.17 28.36	47.27
22 66 53 00-0141	EA		3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	238.84 29.04	48.40
22 66 53 00-0142	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	311.92 35.19	58.65
22 66 53 00-0143	EA		4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	329.10 35.54	59.22
22 66 53 00-0144	EA		4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	346.89 36.56	60.93
22 66 53 00-0145	EA		6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	643.52 45.79	76.30
22 66 53 00-0146	EA		6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	698.18 46.81	78.01
22 66 53 00-0147	EA		6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	712.38 50.22	83.71
22 66 53 00-0148			Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0149	EA		1-1/2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	261.26 33.49	55.80
22 66 53 00-0150	EA		2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	266.93 35.19	58.65
22 66 53 00-0151	EA		3" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	354.29 40.31	67.19
22 66 53 00-0152	EA		4" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	599.10 53.29	88.83
22 66 53 00-0153	EA		6" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	1,105.47 73.81	122.99
22 66 53 00-0154			Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0155	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	264.64 34.50	57.51
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	310.65 36.90	61.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	330.63 37.58	62.63
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	500.63 43.40	72.31
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	493.44 44.41	74.03
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	531.05 46.82	78.01
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	716.73 54.65	91.11
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	783.46 57.05	95.10
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	889.21 63.54	105.92
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	204.99 25.29	42.13
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	208.38 26.30	43.85
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	274.49 30.07	50.12
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	439.44 39.97	66.62
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	937.98 55.36	92.25
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	207.24 25.96	43.27
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	247.31 28.36	47.27
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	253.06 29.04	48.40
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	317.22 35.20	58.65
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	326.61 35.53	59.22
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	401.14 36.56	60.93
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	797.37 46.80	78.01
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	828.42 50.21	83.71
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	244.67 25.29	42.13
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	275.67 26.30	43.85
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	359.31 30.07	50.12
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	632.73 39.97	66.62
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	937.98 55.36	92.25
22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)		
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	186.80 25.29	42.13
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	190.19 26.30	43.85
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	265.56 30.07	50.12
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	416.46 39.97	66.62
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	868.71 55.36	92.25
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	189.05 25.96	43.27
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	233.42 28.36	47.27
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	240.00 29.04	48.40
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	331.77 35.20	58.65

22 Plumbing

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0196	EA		4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	334.87 35.53	59.22
22 66 53 00-0197	EA		4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	366.42 36.56	60.93
22 66 53 00-0198	EA		6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	621.99 45.77	76.30
22 66 53 00-0199	EA		6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	728.59 46.80	78.01
22 66 53 00-0200	EA		6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	792.70 50.21	83.71
22 66 53 00-0201			Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)		
22 66 53 00-0202	EA		1-1/2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	311.18 33.48	55.80
22 66 53 00-0203	EA		2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	316.89 35.20	58.65
22 66 53 00-0204	EA		3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	431.81 40.31	67.19
22 66 53 00-0205	EA		4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	678.28 53.29	88.83
22 66 53 00-0206	EA		6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	1,148.25 73.82	122.99
22 66 53 00-0207			Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)		
22 66 53 00-0208	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	314.56 34.50	57.51
22 66 53 00-0209	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	322.55 36.89	61.50
22 66 53 00-0210	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	379.06 37.58	62.63
22 66 53 00-0211	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	469.58 43.40	72.31
22 66 53 00-0212	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	497.43 44.42	74.03
22 66 53 00-0213	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	591.69 46.80	78.01
22 66 53 00-0214	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	936.84 54.65	91.11
22 66 53 00-0215	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	983.68 57.06	95.10
22 66 53 00-0216	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	1,048.48 63.56	105.92
22 66 53 00-0217			Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0218	EA		1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	212.98 25.29	42.13
22 66 53 00-0219	EA		2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	217.47 26.30	43.85
22 66 53 00-0220	EA		3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	281.77 30.07	50.12
22 66 53 00-0221	EA		4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	424.89 39.97	66.62
22 66 53 00-0222	EA		6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	845.06 55.36	92.25
22 66 53 00-0223			Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0224	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	216.33 25.96	43.27
22 66 53 00-0225	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	237.55 28.36	47.27
22 66 53 00-0226	EA		3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	256.53 29.04	48.40
22 66 53 00-0227	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	321.85 35.20	58.65
22 66 53 00-0228	EA		4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	337.02 35.53	59.22
22 66 53 00-0229	EA		4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	368.90 36.56	60.93
22 66 53 00-0230	EA		6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	623.47 45.77	76.30
22 66 53 00-0231	EA		6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	714.21 46.80	78.01
22 66 53 00-0232	EA		6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	726.57 50.21	83.71
22 66 53 00-0233			Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	286.38 33.48	55.80
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	337.72 35.20	58.65
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	463.23 40.31	67.19
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	751.36 53.29	88.83
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	1,264.90 73.82	122.99
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	293.56 34.50	57.51
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	381.08 36.89	61.50
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	373.77 37.58	62.63
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	510.25 43.40	72.31
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	503.88 44.42	74.03
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	568.70 46.80	78.01
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	830.30 54.65	91.11
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	886.12 57.06	95.10
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	1,036.91 63.56	105.92
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	326.63 34.50	57.51
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	328.96 35.20	58.65
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	356.28 34.17	56.95
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	331.31 25.29	42.13
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	366.94 26.30	43.85
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	422.47 30.07	50.12
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	624.96 39.97	66.62
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	1,197.57 55.36	92.25
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	332.57 25.96	43.27
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	381.23 28.36	47.27
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	407.49 29.04	48.40
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	470.66 35.20	58.65
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	500.38 35.53	59.22
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	552.76 36.56	60.93
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	804.15 46.80	78.01
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	920.02 50.21	83.71
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases <small>(22 66 53 00-0093)</small>		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.86 4.23 17.09	28.47
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.04 6.28 18.45	30.75

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.59 7.04 18.79	31.32
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.74 9.83 21.87	36.44
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.48 10.44 22.21	37.01
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.49 11.28 23.24	38.72
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	447.10 28.57 26.99	44.98
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	470.90 30.38 27.33	45.56
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	500.27 32.46 28.36	47.27
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	523.40 33.40 31.77	52.95
22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	270.46 25.28	42.13
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	290.42 25.97	43.27
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	328.76 26.31	43.85
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	294.60 25.28	42.13
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	321.17 25.97	43.27
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	363.48 26.31	43.85
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	301.21 25.28	42.13
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	321.17 25.97	43.27
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	363.48 26.31	43.85
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	376.27 25.28	42.13
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	478.41 25.97	43.27
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	492.78 26.31	43.85
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	416.45 25.28	42.13
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	442.20 25.97	43.27
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	500.55 26.31	43.85
22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	53.11 8.54	14.24
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	60.69 8.88	14.80
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	77.51 9.91	16.51
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	124.45 13.33	22.21
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	178.40 18.45	30.75
22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	817.79 33.48	55.80
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	74.27 8.54	14.24
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	83.03 8.54	14.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	111.18 17.09	28.47
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	240.27 17.77	29.61
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	243.58 17.77	29.61
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	276.64 17.77	29.61
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	222.41 17.77	29.61
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters <small>(22 66 53 00-0093)</small> Note: Includes teflon spacer.		
22 66 53 00-0312 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	206.71 25.21	42.02
22 66 53 00-0313 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	215.63 26.45	44.07
22 66 53 00-0314 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	303.83 30.14	50.23
22 66 53 00-0315 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	436.10 40.01	66.74
22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small> Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	41.50	
22 66 53 00-0318 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	52.36	
22 66 53 00-0319 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	70.00	
22 66 53 00-0320 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	117.94	
22 66 53 00-0321 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	274.74	
22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small> Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	53.52	
22 66 53 00-0324 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	66.96	
22 66 53 00-0325 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	113.70	
22 66 53 00-0326 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	169.48	
22 66 53 00-0327 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	413.23	
22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small> Note: Acid resistant. ASTM A518.		
22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	135.16	10.13
22 66 53 00-0331 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	190.78	12.64
22 66 53 00-0332 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	260.49	14.58
22 66 53 00-0333 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	428.63	20.38
22 66 53 00-0334 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	759.37	27.30
22 66 53 00-0335 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,347.89	34.43
22 66 53 00-0336 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,408.80	46.38
22 66 53 00-0337 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	4,300.85	53.18
22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0328)</small>		
22 66 53 00-0339 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	524.28	86.33
22 66 53 00-0341 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	691.53	94.99
22 66 53 00-0342 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,137.21	113.66
22 66 53 00-0343 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,704.11	134.62
22 66 53 00-0344 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	3,947.55	219.40
22 66 53 00-0345 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0346 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	292.81	86.33
22 66 53 00-0347 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	387.44	94.99
22 66 53 00-0348 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	488.19	113.66
22 66 53 00-0349 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,345.56	134.62
22 66 53 00-0350 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,083.85	219.40
22 66 53 00-0351 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	4,704.97	273.34

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0352 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	6,935.45	328.70
22 66 53 00-0353 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0354 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	292.81	86.33
22 66 53 00-0355 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	387.44	94.99
22 66 53 00-0356 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	488.19	113.66
22 66 53 00-0357 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	973.40	134.62
22 66 53 00-0358 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,602.76	219.40
22 66 53 00-0359 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,820.63	273.34
22 66 53 00-0360 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	5,438.39	328.70
22 66 53 00-0361 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	292.81	86.33
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	387.44	94.99
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	487.91	113.55
22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	410.81	86.33
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	745.99	94.99
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	833.12	113.66
22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	411.53	129.15
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	523.26	143.15
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	737.40	170.95
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,256.40	202.31
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,947.70	329.36
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	5,624.76	411.26
22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	385.34	123.79
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	453.46	132.91
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	510.34	137.57
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	586.32	151.92
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	629.90	156.71
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	695.72	161.38
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	875.93	175.06
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	977.26	179.56
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,098.55	187.83
22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	475.01	129.15
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	577.16	142.82
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	796.36	170.95
22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	448.85	123.79
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	565.77	138.26
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	685.01	157.17
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	737.29	161.83
22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	407.23	129.38
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	573.19	143.15
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	737.20	170.83
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,264.32	201.56
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	4,972.92	329.03
22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	421.62	123.79
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	453.40	132.91
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	479.78	138.37
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	536.39	151.92
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	557.54	156.93
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	678.28	161.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	925.43	175.27
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,108.88	179.56
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,157.55	187.83
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,898.77	265.44
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,134.29	274.22
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,849.65	288.25
22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	493.10	129.15
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	590.77	142.82
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	887.13	170.95
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,382.71	201.77
22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	403.46	123.79
22 66 53 00-0421 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	471.56	132.91
22 66 53 00-0422 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	524.92	138.26
22 66 53 00-0423 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	568.16	151.92
22 66 53 00-0424 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	662.32	157.17
22 66 53 00-0425 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	755.38	161.72
22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	984.36	175.27
22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,240.59	179.67
22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,362.24	188.15
22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	248.96	81.32
22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	273.92	85.87
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	308.00	90.43
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	508.88	100.22
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	533.88	104.89
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	576.90	112.31
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	757.68	120.89
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,104.45	164.57
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,175.30	178.50
22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increases <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	675.04	189.85
22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	911.04	189.85
22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	932.22	189.85
22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	1,033.52	250.46
22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	792.05	86.33
22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	959.30	94.99
22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,168.98	113.66
22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,510.47	134.62
22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	379.04	86.33
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	482.75	94.99
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	669.73	113.66
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	863.72	134.62
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,706.76	187.83
22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	7.77	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	83.21	
22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
Note: ASTM A518.		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	107.38	7.63
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	122.26	8.43
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	168.98	10.59
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	213.53	12.30
22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0458)</small>		
22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	385.71	60.47
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	415.65	68.33
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	575.92	75.40
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	694.91	91.11
22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	208.70	60.47
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	251.20	67.65
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	326.69	75.62
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	430.65	90.43
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	245.56	63.89
22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	208.70	60.47
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	251.20	67.65
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	326.69	75.62
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	430.65	90.43
22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	249.55	60.47
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	314.74	67.65
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	494.62	75.62
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	553.19	90.43
22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	240.47	60.47
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	287.51	67.65
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	453.77	75.62
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	512.34	90.43
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	363.36	91.00
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	290.74	91.00
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	362.44	102.49
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	484.42	114.22
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	745.09	136.78
22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	338.51	98.62
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	418.12	106.37
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	446.45	110.13
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	477.13	121.52
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	527.74	124.93
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	574.26	128.69
22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	291.20	91.34
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	344.29	102.49
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	466.27	114.22
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	745.09	136.78



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0510		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	325.66	99.20
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	404.47	106.25
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	424.25	110.47
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	477.69	121.86
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	528.77	125.62
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	561.13	129.04
22 66 53 00-0517		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	441.05	121.63
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	568.25	136.89
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	735.36	151.47
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	962.89	182.10
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	488.19	128.80
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	549.47	136.43
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	660.69	143.95
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	729.15	159.44
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	886.49	167.53
22 66 53 00-0527		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	495.44	121.63
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	586.13	136.66
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	854.67	152.27
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,203.73	182.33
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	533.50	128.80
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	708.27	136.43
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	746.84	143.95
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	797.17	159.33
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,026.31	166.85
22 66 53 00-0537		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	326.60	90.65
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	380.60	102.49
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	466.27	114.22
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	795.02	136.78
22 66 53 00-0542		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	361.29	98.74
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	404.91	106.60
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	442.40	110.47
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	609.31	121.86
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	624.08	125.62
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	701.82	129.04
22 66 53 00-0549		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	526.96	121.41
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	667.73	136.55
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	976.39	151.81
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,172.54	182.68
22 66 53 00-0554		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	574.35	128.80
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	694.63	136.32
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	724.15	143.95
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	806.24	159.33
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	1,026.31	166.85

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0560			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	246.52	64.57
22 66 53 00-0562	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	279.45	68.33
22 66 53 00-0563	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	328.29	79.72
22 66 53 00-0564	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	394.94	75.74
22 66 53 00-0565	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	418.78	79.50
22 66 53 00-0566	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	442.60	83.26
22 66 53 00-0567			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	229.49	53.19
22 66 53 00-0569	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	267.18	60.13
22 66 53 00-0570	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	315.35	68.10
22 66 53 00-0571	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	587.28	82.91
22 66 53 00-0572			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	99.81	30.29
22 66 53 00-0574	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	118.80	33.83
22 66 53 00-0575	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	129.31	37.81
22 66 53 00-0576	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	167.68	45.21
22 66 53 00-0577			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	430.56	60.13
22 66 53 00-0579	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	441.82	67.65
22 66 53 00-0580	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	549.08	75.62
22 66 53 00-0581	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	702.96	90.43
22 66 53 00-0582	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	605.23	64.68
22 66 53 00-0583	EA		2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	839.01	72.20
22 66 53 00-0584	EA		3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,018.13	79.72
22 66 53 00-0585	EA		4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,267.90	94.99
22 66 53 00-0586			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	815.47	68.68
22 66 53 00-0588	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,298.46	75.96
22 66 53 00-0589	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	851.37	68.33
22 66 53 00-0590	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,298.46	75.96
22 66 53 00-0591			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0592	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	756.06	68.33
22 66 53 00-0593	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	889.99	75.96
22 66 53 00-0594	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	878.60	68.33
22 66 53 00-0595	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,956.56	75.96
22 66 53 00-0596	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,153.23	75.96
22 66 53 00-0597			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0598	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	304.42	60.82
22 66 53 00-0599	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	402.04	68.33
22 66 53 00-0600			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0464)</small>		
22 66 53 00-0601	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	150.03	45.56
22 66 53 00-0602	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	287.33	49.43
22 66 53 00-0603	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	203.42	56.95
22 66 53 00-0604			Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0464)</small>		
22 66 53 00-0605	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	287.83	64.81
22 66 53 00-0606	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	315.75	68.33
22 66 53 00-0607	EA		1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	353.22	72.09
22 66 53 00-0608	EA		1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	377.93	79.50
22 66 53 00-0609	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	353.27	72.20
22 66 53 00-0610	EA		2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	372.53	75.96
22 66 53 00-0611	EA		2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	401.75	83.26
22 66 53 00-0612	EA		3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	459.97	79.72
22 66 53 00-0613	EA		4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	568.99	94.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0614				Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0615	EA			1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	108.93	
22 66 53 00-0616	EA			2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	127.08	
22 66 53 00-0617	EA			3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	136.16	
22 66 53 00-0618	EA			4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	149.77	
22 66 53 00-0619				Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0620	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	794.43	30.41
22 66 53 00-0621	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	299.62	15.15
22 66 53 00-0622	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	562.86	15.15
22 66 53 00-0623				Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 66 53 00-0464)</small>		
22 66 53 00-0624	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	2,832.92	151.92
22 66 53 00-0625	EA			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	3,506.94	159.56
22 66 53 00-0626	EA			Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	2,391.90	15.15
22 66 53 00-0627				Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618) <small>(22 66 53)</small>		
22 66 53 00-0628				Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe <small>(22 66 53 00-0627)</small>		
				Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF			1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	18.62	4.78
22 66 53 00-0630	LF			2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	24.08	5.70
22 66 53 00-0631	LF			3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	40.33	8.20
22 66 53 00-0632	LF			4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	53.12	8.88
22 66 53 00-0633	LF			6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	87.98	10.73
22 66 53 00-0634	LF			8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	204.30	14.27
22 66 53 00-0635				Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings <small>(22 66 53 00-0627)</small>		
22 66 53 00-0636				Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0637	EA			1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	72.53	19.02
				Note: 0.125		
				<i>For Work In Restricted Working Space, Add</i>	8.54	
22 66 53 00-0638	EA			2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	91.17	24.26
				Note: 0.16		
				<i>For Work In Restricted Working Space, Add</i>	10.93	
22 66 53 00-0639	EA			3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	141.92	32.57
				Note: 0.215		
				<i>For Work In Restricted Working Space, Add</i>	14.69	
22 66 53 00-0640	EA			4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	204.82	37.92
				Note: 0.25		
				<i>For Work In Restricted Working Space, Add</i>	17.09	
22 66 53 00-0641	EA			6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	456.70	49.32
				Note: 0.325		
				<i>For Work In Restricted Working Space, Add</i>	22.21	
22 66 53 00-0642	EA			8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	633.03	66.39
				Note: 0.438		
				<i>For Work In Restricted Working Space, Add</i>	29.90	
22 66 53 00-0643				Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0644	EA			1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	74.05	19.02
				<i>For Work In Restricted Working Space, Add</i>	8.54	
22 66 53 00-0645	EA			2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	98.57	24.26
				<i>For Work In Restricted Working Space, Add</i>	10.93	
22 66 53 00-0646	EA			3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	155.28	32.57
				<i>For Work In Restricted Working Space, Add</i>	14.69	
22 66 53 00-0647	EA			4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	209.72	37.92
				<i>For Work In Restricted Working Space, Add</i>	17.09	
22 66 53 00-0648				Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0649	EA			1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	71.76	19.02
				<i>For Work In Restricted Working Space, Add</i>	8.54	
22 66 53 00-0650	EA			2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	89.17	24.26
				<i>For Work In Restricted Working Space, Add</i>	10.93	
22 66 53 00-0651	EA			3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	145.75	32.57
				<i>For Work In Restricted Working Space, Add</i>	14.69	
22 66 53 00-0652	EA			4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	166.63	37.92
				<i>For Work In Restricted Working Space, Add</i>	17.09	

22 Plumbing

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0653	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	394.37 22.21	49.32
22 66 53 00-0654	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	561.55 29.90	66.39
22 66 53 00-0655			Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0656	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	72.62 8.54	19.02
22 66 53 00-0657	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	89.10 10.93	24.26
22 66 53 00-0658	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	144.16 14.69	32.57
22 66 53 00-0659	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	179.07 17.09	37.92
22 66 53 00-0660	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	318.21 22.21	49.32
22 66 53 00-0661	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	351.43 29.90	66.39
22 66 53 00-0662			Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0663	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	434.66 22.04	48.97
22 66 53 00-0664	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	337.19 16.40	36.44
22 66 53 00-0665	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	204.36 12.81	28.47
22 66 53 00-0666			Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <small>(22 66 53 00-0635)</small>		
22 66 53 00-0667	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	97.44 12.81	28.47
22 66 53 00-0668	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	120.22 16.40	36.44
22 66 53 00-0669	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	204.66 22.04	48.97
22 66 53 00-0670	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	281.94 25.63	56.95
22 66 53 00-0671	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	766.08 33.31	73.91
22 66 53 00-0672	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,062.26 44.84	99.53
22 66 53 00-0673			Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <small>(22 66 53 00-0635)</small>		
22 66 53 00-0674	EA		2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	112.12 14.01	31.09
22 66 53 00-0675	EA		2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	119.08 15.20	33.71
22 66 53 00-0676	EA		2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	116.11 15.20	33.71
22 66 53 00-0677	EA		3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	177.09 18.96	42.13
22 66 53 00-0678	EA		3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	189.62 20.16	44.76
22 66 53 00-0679	EA		4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	250.75 22.55	50.12
22 66 53 00-0680	EA		4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	264.88 24.43	54.21
22 66 53 00-0681	EA		6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	561.18 30.75	68.22
22 66 53 00-0682	EA		8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,324.27 38.44	85.30
22 66 53 00-0683			Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <small>(22 66 53 00-0635)</small>		
22 66 53 00-0684	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	139.41 17.09	37.92
22 66 53 00-0685	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	170.13 21.87	48.52
22 66 53 00-0686	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	227.99 29.39	65.26
22 66 53 00-0687	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	287.44 34.17	75.85
22 66 53 00-0688			Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees <small>(22 66 53 00-0635)</small>		
22 66 53 00-0689	EA		2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	173.54 19.48	43.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0690 EA 3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	207.28 23.24	51.59
22 66 53 00-0691 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	268.18 25.63	56.95
22 66 53 00-0692 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	234.43 28.02	62.18
22 66 53 00-0693 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	261.64 31.78	70.49
22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers (22 66 53 00-0635)		
22 66 53 00-0695 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	99.80 9.74	21.64
22 66 53 00-0696 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	109.82 11.62	25.73
22 66 53 00-0697 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	184.93 12.81	28.47
22 66 53 00-0698 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	202.97 14.01	31.09
22 66 53 00-0699 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	223.47 15.89	35.30
22 66 53 00-0700 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	306.02 18.45	41.00
22 66 53 00-0701 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	353.83 19.64	43.62
22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings (22 66 53 00-0635)		
22 66 53 00-0703 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	69.15 9.74	21.64
22 66 53 00-0704 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	77.50 11.62	25.73
22 66 53 00-0705 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	85.00 12.81	28.47
22 66 53 00-0706 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	140.54 14.01	31.09
22 66 53 00-0707 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	148.98 15.89	35.30
22 66 53 00-0708 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	237.66 18.45	41.00
22 66 53 00-0709 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	233.48 19.64	43.62
22 66 53 00-0710 EA 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	688.97 23.51	52.16
22 66 53 00-0711 EA 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	723.92 26.07	57.85
22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps (22 66 53 00-0635)		
22 66 53 00-0713 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	128.63 12.81	28.47
22 66 53 00-0714 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	174.54 16.40	36.44
22 66 53 00-0715 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	291.07 22.04	48.97
22 66 53 00-0716 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	472.21 25.63	56.95
22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes (22 66 53 00-0635)		
22 66 53 00-0718 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	98.50 12.81	28.47
22 66 53 00-0719 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	132.92 16.40	36.44
22 66 53 00-0720 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	212.96 22.04	48.97
22 66 53 00-0721 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	288.74 25.63	56.95
22 66 53 00-0722 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	627.19 33.31	73.91
22 66 53 00-0723 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	711.30 44.84	99.53
22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes (22 66 53 00-0635)		
22 66 53 00-0725 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	107.68 14.01	31.09
22 66 53 00-0726 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	128.94 15.20	33.71
22 66 53 00-0727 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	183.32 18.96	42.13
22 66 53 00-0728 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	197.21 20.16	44.76

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0729	EA		4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	200.25 21.35	47.38
22 66 53 00-0730	EA		4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	262.30 22.55	50.12
22 66 53 00-0731	EA		4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	276.60 24.43	54.21
22 66 53 00-0732	EA		6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	437.67 30.75	68.22
22 66 53 00-0733	EA		8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	518.57 38.44	85.30
22 66 53 00-0734	EA		8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	571.19 41.00	91.00
22 66 53 00-0735			Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes (22 66 53 00-0635)		
22 66 53 00-0736	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	161.63 17.09	37.92
22 66 53 00-0737	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	183.56 21.87	48.52
22 66 53 00-0738	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	298.01 29.39	65.26
22 66 53 00-0739	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	570.27 34.17	75.85
22 66 53 00-0740	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	941.70 44.42	98.62
22 66 53 00-0741			Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes (22 66 53 00-0635)		
22 66 53 00-0742	EA		2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	230.98 19.48	43.27
22 66 53 00-0743	EA		3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	289.75 25.63	56.95
22 66 53 00-0744	EA		4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	510.20 31.78	70.49
22 66 53 00-0745	EA		6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	762.72 39.29	87.24
22 66 53 00-0746			Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0747	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	115.55 12.81	28.47
22 66 53 00-0748	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	151.85 16.40	36.44
22 66 53 00-0749	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	228.62 22.04	48.97
22 66 53 00-0750	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	305.80 25.63	56.95
22 66 53 00-0751	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	706.70 33.31	73.91
22 66 53 00-0752	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,245.48 44.84	99.53
22 66 53 00-0753			Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0754	EA		2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	107.28 14.01	31.09
22 66 53 00-0755	EA		2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	138.19 15.20	33.71
22 66 53 00-0756	EA		3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	192.28 18.96	42.13
22 66 53 00-0757	EA		3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	207.00 20.16	44.76
22 66 53 00-0758	EA		4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	268.76 22.55	50.12
22 66 53 00-0759	EA		4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	284.55 24.43	54.21
22 66 53 00-0760	EA		6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	549.38 29.55	65.59
22 66 53 00-0761	EA		6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	570.72 30.75	68.22
22 66 53 00-0762			Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0635)		
22 66 53 00-0763	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	175.22 17.09	37.92
22 66 53 00-0764	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	265.03 21.87	48.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0765 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	428.18 29.39	65.26
22 66 53 00-0766 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	739.66 34.17	75.85
22 66 53 00-0767 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,020.01 44.42	98.62
22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0635)</small>		
22 66 53 00-0769 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	231.00 19.48	43.27
22 66 53 00-0770 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	362.26 25.63	56.95
22 66 53 00-0771 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	440.07 28.02	62.18
22 66 53 00-0772 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	452.60 31.78	70.49
22 66 53 00-0773 EA 6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	575.78 36.90	81.88
22 66 53 00-0774 EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	647.68 39.29	87.24
22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug <small>(22 66 53 00-0635)</small>		
22 66 53 00-0776 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees <i>For Work In Restricted Working Space, Add</i>	107.89 12.81	28.47
22 66 53 00-0777 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees <i>For Work In Restricted Working Space, Add</i>	126.66 16.40	36.44
22 66 53 00-0778 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees <i>For Work In Restricted Working Space, Add</i>	224.43 22.04	48.97
22 66 53 00-0779 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees <i>For Work In Restricted Working Space, Add</i>	291.02 25.63	56.95
22 66 53 00-0780 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees <i>For Work In Restricted Working Space, Add</i>	666.30 33.31	73.91
22 66 53 00-0781 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	24.09 4.27	9.46
22 66 53 00-0782 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	29.00 5.47	12.07
22 66 53 00-0783 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	43.31 7.34	16.29
22 66 53 00-0784 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	49.58 8.54	18.90
22 66 53 00-0785 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	86.26 11.10	24.60
22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <small>(22 66 53 00-0635)</small>		
22 66 53 00-0787 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	56.97 8.54	19.02
22 66 53 00-0788 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	70.04 10.93	24.26
22 66 53 00-0789 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	110.97 14.69	32.57
22 66 53 00-0790 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	163.60 17.09	37.92
22 66 53 00-0791 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	258.52 22.21	49.32
22 66 53 00-0792 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	466.92 29.93	66.39
22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 66 53 00-0635)</small>		
22 66 53 00-0794 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	62.89 8.54	19.02
22 66 53 00-0795 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	79.40 10.93	24.26
22 66 53 00-0796 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	103.94 14.69	32.57
22 66 53 00-0797 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	135.16 17.09	37.92
22 66 53 00-0798 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	198.00 22.21	49.32
22 66 53 00-0799 EA 8" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	434.09 29.93	66.39
22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters <small>(22 66 53 00-0635)</small>		
22 66 53 00-0801 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	41.32	9.46
22 66 53 00-0802 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	55.10	12.19
22 66 53 00-0803 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	85.34	16.29

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0804 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	145.46	19.02
22 66 53 00-0805 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	232.99	24.60
22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters (22 66 53 00-0635)		
22 66 53 00-0807 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	46.66	9.46
22 66 53 00-0808 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	66.88	12.19
22 66 53 00-0809 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	77.76	16.29
22 66 53 00-0810 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	139.56	19.02
22 66 53 00-0811 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	186.96	24.60
22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 66 53 00-0635)		
22 66 53 00-0813 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	41.00	9.46
22 66 53 00-0814 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	50.25	12.19
22 66 53 00-0815 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	79.83	16.29
22 66 53 00-0816 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	141.30	19.02
22 66 53 00-0817 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	180.00	24.60
22 66 53 00-0818 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	285.67	33.25
22 66 83 Chemical-Waste Tanks (22 66)		
22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank	581.43	231.85
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,056.77	321.50
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,312.61	463.70
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,684.52	618.27
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,164.60	741.92
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,963.28	927.40
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,417.65	1,159.25
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,441.51	1,391.10
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,039.38	1,669.32
22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank	962.62	231.85
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,660.34	321.50
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,676.74	463.70
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,527.54	618.27
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,465.02	741.92
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,019.03	927.40
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,464.33	1,159.25
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,015.28	1,391.10
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank	8,660.78	1,669.32
22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	527.25	77.28
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	544.22	77.28
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	561.18	77.28
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	614.54	92.74
Note: 1-1/2" top inlet and side outlet with anti siphon.		

END OF SECTION 22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	571.33
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	816.13
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	857.42
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	945.93
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,713.33
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	768.37
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,104.48
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,170.47
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,539.13
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,384.32
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	912.62
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,345.75
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,100.51
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,848.26
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	9,114.25

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping and Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	30.91
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	37.10
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	43.29
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	49.46
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	61.82
		Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	
23 01 20 91-0007	EA	Lock Out Padlock.....	12.37
23 01 20 91-0008	EA	Lock Out Tags.....	5.11

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	377.75
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23 01 20 91-0011 Pipe Freezing ^(23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location.....	704.10
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First.....	377.93
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location.....	850.96
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....	436.07
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location.....	1,167.01
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....	494.39
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location.....	1,330.79
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First.....	581.27
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location.....	1,941.99
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First.....	671.11
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location.....	3,977.01
		Note: Includes freezing on each side of valve or fitting.	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 01 Operation and Maintenance of HVAC Systems

23 01 20 Operation and Maintenance of HVAC Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01	20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	879.24	
23 01	20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,290.82	
23 01	20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,289.74	
23 01	20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,294.37	
23 01	20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,755.39	
23 01	20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,386.29	
23 01	20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,275.61	
23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91)					
Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".					
23 01	20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	2.08	
			For >250 To 500, Deduct	-0.15	
			For >500 To 2000, Deduct	-0.39	
			For >2000, Deduct	-0.56	
23 01	20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.86	
			For >250 To 500, Deduct	-0.21	
			For >500 To 2000, Deduct	-0.51	
			For >2000, Deduct	-0.75	
23 01	20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.45	
			For >250 To 500, Deduct	-0.31	
			For >500 To 2000, Deduct	-0.77	
			For >2000, Deduct	-1.12	
23 01	20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	6.17	
			For >250 To 500, Deduct	-0.41	
			For >500 To 2000, Deduct	-1.03	
			For >2000, Deduct	-1.49	
23 01	20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	7.64	
			For >250 To 500, Deduct	-0.49	
			For >500 To 2000, Deduct	-1.24	
			For >2000, Deduct	-1.79	
23 01	20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	9.68	
			For >250 To 500, Deduct	-0.62	
			For >500 To 2000, Deduct	-1.54	
			For >2000, Deduct	-2.24	
23 01	20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	12.73	
			For >250 To 500, Deduct	-0.82	
			For >500 To 2000, Deduct	-2.06	
			For >2000, Deduct	-2.99	
23 01	20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	15.28	
			For >250 To 500, Deduct	-0.99	
			For >500 To 2000, Deduct	-2.47	
			For >2000, Deduct	-3.59	
23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)					
23 01	20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	257.77	
23 01 20 91-0041 Purge Liquid Systems (23 01 20 91)					
Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.					
23 01	20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	195.49	
23 01	20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	244.35	
23 01	20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	348.78	
23 01	20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	417.94	
23 01	20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	522.42	
23 01	20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	679.16	
23 01	20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.34	
23 01	20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	407.09	
23 01	20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	581.40	
23 01	20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	696.64	
23 01	20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	870.80	
23 01	20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,132.04	
23 01	20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.57	
23 01	20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	569.94	
23 01	20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	813.98	
23 01	20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	975.30	
23 01	20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,219.12	
23 01	20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,584.86	
23 01	20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.79	
23 01	20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	783.65	
23 01	20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,119.21	
23 01	20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,188.92	
23 01	20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,486.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0065 EA >1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,931.99	
23 01 20 91-0066 LF >2,000', >3" To 6" Diameter Pipe, Purge Liquid System.....	0.96	
23 01 20 91-0067 EA Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,057.94	
23 01 20 91-0068 EA >100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,510.93	
23 01 20 91-0069 EA >250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,605.04	
23 01 20 91-0070 EA >500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,006.30	
23 01 20 91-0071 EA >1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,608.19	
23 01 20 91-0072 LF >2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1.31	
23 01 20 91-0073 Special Cleaning Of Piping Systems <small>(23 01 20 91)</small>		
23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing <small>(23 01 20 91-0073)</small>		
23 01 20 91-0075 LF Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	2.66	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 2000, Deduct</i>	-0.44	
<i>For >2000, Deduct</i>	-0.64	
23 01 20 91-0076 LF >1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	4.46	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 2000, Deduct</i>	-0.71	
<i>For >2000, Deduct</i>	-1.03	
23 01 20 91-0077 LF >2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	6.27	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 2000, Deduct</i>	-0.98	
<i>For >2000, Deduct</i>	-1.42	
23 01 20 91-0078 LF >3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	8.12	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500 To 2000, Deduct</i>	-1.26	
<i>For >2000, Deduct</i>	-1.83	
23 01 20 91-0079 LF >4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	11.25	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500 To 2000, Deduct</i>	-1.77	
<i>For >2000, Deduct</i>	-2.56	
23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing <small>(23 01 20 91-0073)</small>		
23 01 20 91-0081 LF Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.90	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 2000, Deduct</i>	-0.44	
<i>For >2000, Deduct</i>	-0.64	
23 01 20 91-0082 LF >1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.76	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 2000, Deduct</i>	-0.71	
<i>For >2000, Deduct</i>	-1.03	
23 01 20 91-0083 LF >2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.69	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 2000, Deduct</i>	-0.98	
<i>For >2000, Deduct</i>	-1.42	
23 01 20 91-0084 LF >3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	8.76	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500 To 2000, Deduct</i>	-1.26	
<i>For >2000, Deduct</i>	-1.83	
23 01 20 91-0085 LF >4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	12.09	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500 To 2000, Deduct</i>	-1.77	
<i>For >2000, Deduct</i>	-2.56	
23 01 20 91-0086 Drewspers 4945/4395 Pipe Disinfection/Flush/Testing <small>(23 01 20 91-0073)</small>		
23 01 20 91-0087 LF Up To 1", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing.....	2.97	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 2000, Deduct</i>	-0.44	
<i>For >2000, Deduct</i>	-0.64	
23 01 20 91-0088 LF >1" To 2", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	4.88	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 2000, Deduct</i>	-0.71	
<i>For >2000, Deduct</i>	-1.03	
23 01 20 91-0089 LF >2" To 3", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	6.87	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 2000, Deduct</i>	-0.98	
<i>For >2000, Deduct</i>	-1.42	
23 01 20 91-0090 LF >3" To 4", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	9.00	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500 To 2000, Deduct</i>	-1.26	
<i>For >2000, Deduct</i>	-1.83	
23 01 20 91-0091 LF >4" To 6", Drewspers 4945/4395 Pipe Disinfection/Flush/Testing	12.42	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500 To 2000, Deduct</i>	-1.77	
<i>For >2000, Deduct</i>	-2.56	
23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device <small>(23 01 20 91)</small>		
23 01 20 91-0093 EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	394.22	
23 01 20 91-0094 EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	496.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 01 Operation and Maintenance of HVAC Systems

23 01 20 Operation and Maintenance of HVAC Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 01 20 91-0095	EA		1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	688.58	
23 01 20 91-0096	EA		1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,054.77	
23 01 20 91-0097	EA		1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,302.68	
23 01 20 91-0098	EA		2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,968.92	

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)

23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)

23 01 30 51-0002	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork	4.25	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	1.06	
23 01 30 51-0003	LF		>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	5.34	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	1.34	
23 01 30 51-0004	LF		>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	7.16	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	1.79	
23 01 30 51-0005	LF		>8 SF Cross Section, Clean Supply/Return Ductwork	10.13	
			Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.		
			<i>For Exhaust Ductwork, Add</i>	2.53	
23 01 30 51-0006	SF		Clean Duct Dampers	14.32	
23 01 30 51-0007	SF		Clean Duct Fire Dampers	28.65	
23 01 30 51-0008	SF		Clean Louver	11.46	
23 01 30 51-0009	EA		Clean Turning Vane Set	34.38	
23 01 30 51-0010	EA		Clean Grille/Diffuser/Register	34.38	
			Note: Includes removal and reinstallation.		
23 01 30 51-0011	LF		Clean Linear Diffuser	8.59	
			Note: Includes removal and reinstallation.		
23 01 30 51-0012	EA		Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	114.45	
			<i>For Stainless Steel, Add</i>	74.44	
23 01 30 51-0013	EA		Clean Variable Air Volume (VAV) Unit	103.13	
23 01 30 51-0014	EA		Clean Fan Powered Induction Unit (PIU) Unit	137.51	
23 01 30 51-0015	EA		Clean Fan Coil Unit (FCU)	137.51	
23 01 30 51-0016	EA		Clean Packaged Terminal Air Conditioning Unit	137.51	
23 01 30 51-0017	EA		Clean Supply Or Return Fan	275.03	
23 01 30 51-0018	EA		Clean Exhaust Fan	240.65	
23 01 30 51-0019	EA		Clean Duct Coil	206.27	
23 01 30 51-0020	SF		Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum	6.88	
			Note: Excluding fan and coils.		
23 01 30 51-0021	EA		Clean Air Handling Unit Fan	275.03	
23 01 30 51-0022	EA		Clean Air Handling Unit Coil	412.53	
23 01 30 51-0023	SF		Clean Equipment Surfaces, Rust Reform And Prime	3.66	
23 01 30 51-0024	SF		Clean Interior Equipment Surfaces, Rust Reform And Prime	4.35	
23 01 30 51-0025	SF		High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.67	
23 01 30 51-0026	EA		Cleaning Of Ductwork Minimum Set-up Charge	954.46	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0027	SF		Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.61	

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)

23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF		Repair And Sealing Of Ductwork	2.47	
			Note: Clean, apply sealant and tape		

23 01 30 61-0003 Rework Sheet Metal Ductwork (23 01 30 61)

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 01 30 61-0004	LF		Up To 1 SF Cross Section, Rework Existing Ductwork	34.92	
23 01 30 61-0005	LF		>1 To 2 SF Cross Section, Rework Existing Ductwork	68.09	
23 01 30 61-0006	LF		>2 To 4 SF Cross Section, Rework Existing Ductwork	89.97	
23 01 30 61-0007	LF		>4 To 6 SF Cross Section, Rework Existing Ductwork	112.67	
23 01 30 61-0008	LF		>6 To 8 SF Cross Section, Rework Existing Ductwork	157.14	
23 01 30 61-0009	LF		>8 To 10 SF Cross Section, Rework Existing Ductwork	183.33	
23 01 30 61-0010	LF		>10 To 12 SF Cross Section, Rework Existing Ductwork	209.52	
23 01 30 61-0011	LF		>12 To 14 SF Cross Section, Rework Existing Ductwork	235.70	

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)

23 01 50 61 Central Heating Equipment Repair (23 01 50)

23 01 50 61-0001 Boiler Repairs (23 01 50 61)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0002 Setup And Maintenance <small>(23 01 50 61-0001)</small>		
23 01 50 61-0003 EA Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,656.17	
23 01 50 61-0004 EA Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,893.19	
<i>For Burner Seals, Add</i>		
<i>Note: Used when burner must be removed from door for maintenance.</i>	665.62	
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,541.56	
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,770.78	
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,541.56	
23 01 50 61-0008 EA Removal And Replacement Of Handhole	110.67	
23 01 50 61-0009 EA Removal And Replacement Of Manhole	332.02	
23 01 50 61-0010 SF Sheet Metal Jacket Patch	12.83	
23 01 50 61-0011 Boiler Tube Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube	265.61	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube.....	332.03	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube.....	464.82	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	19.75	
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	23.32	
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	26.91	
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	40.72	
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	48.33	
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	63.32	
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	33.20	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	49.80	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	66.41	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	83.00	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	99.61	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	116.21	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	99.61	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	132.81	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	166.00	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	199.22	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	232.41	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	265.61	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	395.89	
23 01 50 61-0034 Cast Iron Boiler Section Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,921.45	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,004.96	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,529.60	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	5,368.02	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,948.20	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,618.53	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	8,694.08	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	6,748.98	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	7,270.04	
23 01 50 61-0044 Cast Iron Grate Replacement <small>(23 01 50 61-0001)</small>		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	147.73	
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold..... Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,168.43	
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners <small>(23 01 50 61-0001)</small>		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	10,785.11	1,213.97
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	15,566.39	1,502.99
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	18,385.94	1,820.84
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	21,692.40	1,960.13
23 01 50 61-0052 Boiler And Chiller Water Treatment <small>(23 01 50 61)</small>		
Note: 3 LB chemical per 50 gallon system water.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 01 Operation and Maintenance of HVAC Systems

23 01 50 Operation and Maintenance of Central Heating Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0053	LB		Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.69	
23 01 50 61-0054	LB		Boil Out Boiler And System With Trisodium Phosphate..... Note: Includes disposal after treatment.	2.54	
23 01 50 61-0055	GAL		Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	158.67	

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)

23 01 60 61 Central Cooling Equipment Repair (23 01 60)

23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)

23 01 60 61-0002	EA		Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,517.57	
23 01 60 61-0003	EA		Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,147.90	
23 01 60 61-0004	EA		Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	4,773.60	
23 01 60 61-0005	EA		Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,640.87	
23 01 60 61-0006	EA		Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,218.28	
23 01 60 61-0007	EA		Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,882.83	
23 01 60 61-0008	EA		Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,324.49	
23 01 60 61-0009	EA		Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	5,083.63	
23 01 60 61-0010	EA		Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,796.77	
23 01 60 61-0011	EA		Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,387.99	
23 01 60 61-0012	EA		Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	965.65	
23 01 60 61-0013	EA		Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	1,002.35	
23 01 60 61-0014	EA		Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	1,071.27	
23 01 60 61-0015	EA		Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,248.30	
23 01 60 61-0016	EA		Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,547.24	
23 01 60 61-0017	EA		Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	2,092.35	
23 01 60 61-0018	EA		Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	2,200.36	
23 01 60 61-0019	EA		Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	2,362.40	
23 01 60 61-0020	EA		Replace Counterflow Nozzle (1/2" - 2" NPT Thread).....	42.45	
23 01 60 61-0021	EA		Replace 6' Polyvinyl Chloride (PVC) Splash Fill.....	25.65	

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)

23 01 60 71-0002	LB		Recovery Of Refrigerant.....	13.07	
23 01 60 71-0003	LB		Recovery And Recharging Of Refrigerant..... Note: Includes cleaning refrigerant gas prior to recharging.	24.53	
23 01 60 71-0004	LB		Recharging Of Refrigerant..... Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units.	11.02	

23 05 Common Work Results for HVAC (23)

23 05 13 Common Motor Requirements for HVAC Equipment (23 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	725.71	
23 05 13 00-0005	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	821.73	
23 05 13 00-0006	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	963.41	
23 05 13 00-0007	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	809.14	
23 05 13 00-0008	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	859.51	
23 05 13 00-0009	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,127.13	
23 05 13 00-0010	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	950.82	
23 05 13 00-0011	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	920.91	
23 05 13 00-0012	EA		2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,152.31	
23 05 13 00-0013	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	963.41	
23 05 13 00-0014	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	993.32	
23 05 13 00-0015	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,467.15	
23 05 13 00-0016	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,051.57	
23 05 13 00-0017	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,087.77	
23 05 13 00-0018	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,922.10	
23 05 13 00-0019	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,668.65	
23 05 13 00-0020	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,599.39	
23 05 13 00-0021	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,304.63	
23 05 13 00-0022	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,907.93	
23 05 13 00-0023	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,936.27	
23 05 13 00-0024	EA		10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,998.85	
23 05 13 00-0025	EA		15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,710.77	
23 05 13 00-0026	EA		15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,742.26	
23 05 13 00-0027	EA		15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,044.12	
23 05 13 00-0028	EA		20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,184.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0029	EA		20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,442.78	
23 05 13 00-0030	EA		20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,922.52	
23 05 13 00-0031	EA		25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,823.73	
23 05 13 00-0032	EA		25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,196.82	
23 05 13 00-0033	EA		25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,945.75	
23 05 13 00-0034	EA		30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,511.66	
23 05 13 00-0035	EA		30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,588.79	
23 05 13 00-0036	EA		30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,202.35	
23 05 13 00-0037	EA		40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,813.52	
23 05 13 00-0038	EA		40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,986.68	
23 05 13 00-0039	EA		50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,331.43	
23 05 13 00-0040	EA		50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,606.92	
23 05 13 00-0041	EA		60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,011.10	
23 05 13 00-0042	EA		60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,318.07	
23 05 13 00-0043	EA		75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,509.36	
23 05 13 00-0044	EA		75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,210.26	
23 05 13 00-0045	EA		100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,233.49	
23 05 13 00-0046	EA		100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,878.91	
23 05 13 00-0047	EA		125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	14,098.54	
23 05 13 00-0048	EA		125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	14,572.37	
23 05 13 00-0049	EA		150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	17,391.76	
23 05 13 00-0050			Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,835.98	
23 05 13 00-0052	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,696.69	
23 05 13 00-0053	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	13,580.62	
23 05 13 00-0054	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,120.19	
23 05 13 00-0055	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	16,642.44	
23 05 13 00-0056	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	17,972.64	
23 05 13 00-0057	EA		150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	16,187.50	
23 05 13 00-0058	EA		150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	21,166.69	
23 05 13 00-0059	EA		200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	19,708.98	
23 05 13 00-0060	EA		200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	20,228.47	
23 05 13 00-0061	EA		200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	27,823.98	
23 05 13 00-0062			Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.					
23 05 13 00-0063			Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	848.49	
23 05 13 00-0065	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	935.07	
23 05 13 00-0066	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,112.96	
23 05 13 00-0067	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	961.84	
23 05 13 00-0068	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	971.28	
23 05 13 00-0069	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,053.14	
23 05 13 00-0070	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,007.49	
23 05 13 00-0071	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,168.06	
23 05 13 00-0072	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,112.96	
23 05 13 00-0073	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,786.72	
23 05 13 00-0074	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,295.57	
23 05 13 00-0075	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,218.43	
23 05 13 00-0076	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	2,018.12	
23 05 13 00-0077	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,940.99	
23 05 13 00-0078	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,756.81	
23 05 13 00-0079	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,967.75	
23 05 13 00-0080	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,983.49	
23 05 13 00-0081			Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0082	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,210.56	
23 05 13 00-0083	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,355.39	
23 05 13 00-0084	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,278.25	
23 05 13 00-0085	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,254.64	
23 05 13 00-0086	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,613.56	
23 05 13 00-0087	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,344.37	
23 05 13 00-0088	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,314.46	
23 05 13 00-0089	EA		2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,638.74	
23 05 13 00-0090	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,451.41	
23 05 13 00-0091	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,492.34	
23 05 13 00-0092	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,041.74	
23 05 13 00-0093	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,786.72	
23 05 13 00-0094	EA		5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,493.92	
23 05 13 00-0095	EA		5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,369.17	
23 05 13 00-0096	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,068.50	
23 05 13 00-0097	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,992.94	
23 05 13 00-0098	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,378.23	
23 05 13 00-0099	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,424.27	
23 05 13 00-0100	EA		10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	2,235.36	
23 05 13 00-0101	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	3,856.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 13 Common Motor Requirements for HVAC Equipment



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various motor specifications and their costs.

23 05 13 00-0130

Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

Table listing various motor specifications (HP, RPM, NEMA frame) and their corresponding costs under the category 'Premium Efficient, Severe Duty Motors'.



Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various motor specifications and their costs.

23 05 13 00-0197

Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

Table listing explosion proof motor specifications (e.g., 1 HP, 1,800 RPM, 143T NEMA) and their associated costs.

23 05 13 00-0216

Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

Table listing motor mounting specifications (e.g., 1/2 HP Motor Mounting) and their associated costs.

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

Table listing expansion joint specifications (e.g., 1/2" Threaded, 150 LB) and their associated costs.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0008	EA		2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	517.98 38.52	182.00
23 05 16 00-0009			Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010	EA		1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	564.13 110.06	99.73
23 05 16 00-0011	EA		1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	618.99 117.26	119.67
23 05 16 00-0012	EA		2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	659.07 117.28	151.93
23 05 16 00-0013	EA		2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	711.09 125.97	165.26
23 05 16 00-0014	EA		3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	786.98 136.12	193.76
23 05 16 00-0015	EA		4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	994.36 146.83	324.83
23 05 16 00-0016	EA		5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,319.23 218.92	355.40
23 05 16 00-0017	EA		6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,245.31 187.49	394.88
23 05 16 00-0018	EA		8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,598.86 243.02	504.58
23 05 16 00-0019	EA		10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,025.23 314.35	614.26
23 05 16 00-0020	EA		12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,637.38 426.39	465.30
23 05 16 00-0021	EA		14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,331.95 558.77	877.51
23 05 16 00-0022	EA		16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	4,244.86 759.57	965.26
23 05 16 00-0023			Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024	EA		1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	627.04 88.40	136.77
23 05 16 00-0025	EA		1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	652.55 94.18	137.91
23 05 16 00-0026	EA		2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	662.00 94.20	142.47
23 05 16 00-0027	EA		2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	715.76 101.18	155.34
23 05 16 00-0028	EA		3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	803.99 109.56	182.70
23 05 16 00-0029	EA		4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,198.59 117.93	363.81
23 05 16 00-0030	EA		5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,444.47 175.83	371.52
23 05 16 00-0031	EA		6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,424.43 150.59	411.33
23 05 16 00-0032	EA		8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,719.41 195.19	470.02
23 05 16 00-0033	EA		10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,159.38 252.49	575.87
23 05 16 00-0034	EA		12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,765.93 342.47	698.06
23 05 16 00-0035	EA		14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,286.60 466.18	710.78
23 05 16 00-0036	EA		16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	4,312.20 633.71	888.49
23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)					
23 05 17 00-0001			Wall Seals And Sleeves (23 05 17) Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002			Ductile Iron Wall Sleeve (23 05 17 00-0001) Note: Includes rubber gasket seal.		
23 05 17 00-0003	EA		3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	135.91	54.21
23 05 17 00-0004	EA		4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	168.29	63.32
23 05 17 00-0005	EA		6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	205.98	75.96
23 05 17 00-0006	EA		8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	291.47	113.89
23 05 17 00-0007	EA		10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	373.97	151.81
23 05 17 00-0008	EA		12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	460.58	189.85
23 05 17 00-0009			Steel Pipe Sleeves (23 05 17 00-0001) Note: Includes link seals 12" length.		
23 05 17 00-0010	EA		2" Steel Pipe Sleeve With Link Seals.....	160.13	54.98
23 05 17 00-0011	EA		2-1/2" Steel Pipe Sleeve With Link Seals.....	200.96	59.60
23 05 17 00-0012	EA		3" Steel Pipe Sleeve With Link Seals.....	239.37	64.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0013 EA 4" Steel Pipe Sleeve With Link Seals.....	298.51	77.04
23 05 17 00-0014 EA 6" Steel Pipe Sleeve With Link Seals.....	439.67	96.21
23 05 17 00-0015 EA 10" Steel Pipe Sleeve With Link Seals.....	1,112.60	115.51
23 05 17 00-0016 EA 13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,348.56	144.38
23 05 17 00-0017 EA 17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,857.11	177.65
23 05 17 00-0018 EA 23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,644.79	231.00
23 05 17 00-0019 EA 29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	3,913.42	288.76

23 05 19 Meters and Gages for HVAC Piping (23 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001	Thermometers <small>(23 05 19)</small>		
23 05 19 00-0002	Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0003	EA 2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	115.73	39.59
23 05 19 00-0004	EA 2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.09	39.59
23 05 19 00-0005	EA 3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	134.09	39.59
23 05 19 00-0006	Liquid Filled Industrial Union Connection Type Thermometers <small>(23 05 19 00-0001)</small> Note: Various ranges.		
23 05 19 00-0007	EA 7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	152.45	39.59
23 05 19 00-0008	EA 9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	152.45	39.59
23 05 19 00-0009	EA 12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	190.85	39.59
23 05 19 00-0010	EA 7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	157.46	39.59
23 05 19 00-0011	EA 9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	165.81	39.59
23 05 19 00-0012	EA 12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	195.86	39.59
23 05 19 00-0013	Liquid Filled Industrial Separable Socket Type Thermometers <small>(23 05 19 00-0001)</small> Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA 7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	152.45	39.59
23 05 19 00-0015	EA 9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	152.45	39.59
23 05 19 00-0016	EA 12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	190.85	39.59
23 05 19 00-0017	EA 7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	174.16	39.59
23 05 19 00-0018	EA 9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	190.85	39.59
23 05 19 00-0019	EA 12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	195.11	39.59
23 05 19 00-0020	1" NPT, 304 Stainless Steel Thermowells <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021	EA 4" Long, 1" NPT, 304 Stainless Steel Thermowell	198.44	74.23
23 05 19 00-0022	EA 8" Long, 1" NPT, 304 Stainless Steel Thermowell	198.35	74.23
23 05 19 00-0023	Pressure Gauges <small>(23 05 19)</small>		
23 05 19 00-0024	Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025	EA 2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	41.61	15.47
23 05 19 00-0026	EA 4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	51.46	15.47
23 05 19 00-0027	Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028	EA 3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	319.52	15.47
23 05 19 00-0029	EA 4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	319.52	15.47
23 05 19 00-0030	EA 6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	417.53	15.47
23 05 19 00-0031	EA 8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	994.70	15.47
23 05 19 00-0032	Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small> Note: Liquid filled.		
23 05 19 00-0033	EA 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	148.39	15.47
23 05 19 00-0034	EA 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	336.23	15.47
23 05 19 00-0035	Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036	EA 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	329.76	15.47
23 05 19 00-0037	EA 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	329.76	15.47
23 05 19 00-0038	EA 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	329.76	15.47
23 05 19 00-0039	Gauge Accessories <small>(23 05 19 00-0023)</small>		
23 05 19 00-0040	EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	96.20	12.38
23 05 19 00-0041	EA 1/4" Snubber Valve	59.24	12.38
23 05 19 00-0042	EA 1/4" Female Pipe Thread, Brass Gauge Cock	37.27	18.56
23 05 19 00-0043	EA 1/4" Male Pipe Thread, Brass Gauge Cock	32.12	18.56
23 05 19 00-0044	EA 1/4" Pressure Pigtail Steam Siphon	50.53	18.56
23 05 19 00-0045	EA 1/4" x 3" Long Black Steel Nipple	9.35	6.18
23 05 19 00-0046	EA 1/4" Steel Thread-O-Let	70.70	30.93

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 19 Meters and Gages for HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0047	EA		1/4", 300 LB, Black Steel Union	92.63	12.38
23 05 19 00-0048	EA		1/4" Black Steel Coupling	27.25	12.38
23 05 19 00-0049	EA		1/4", 300 LB, Black Steel Plug	15.43	7.43
23 05 19 00-0050	EA		1/4", 150 LB, Black Steel Cap	16.26	7.43
23 05 19 00-0051	LF		1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	11.66	4.08
23 05 19 00-0052	LF		1/4" Schedule 80, Plain End, Black Steel Pipe	11.67	4.08
23 05 19 00-0053	LF		1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.82	
23 05 19 00-0054	EA		1/4" Threaded, 800 LB, Forged Steel, Ball Valve	117.84	
23 05 19 00-0055			Valve Lock Covers (23 05 19)		
23 05 19 00-0056	EA		Valve Lock Cover	89.88	18.93
23 05 19 00-0057			Venturi Flowmeters (23 05 19)		
23 05 19 00-0058			Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059	EA		3/4" Threaded, Brass, Venturi Flowmeter	319.51	84.14
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0060	EA		1" Threaded, Brass, Venturi Flowmeter	353.06	100.96
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0061	EA		1-1/4" Threaded, Brass, Venturi Flowmeter	389.41	112.22
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0062	EA		1-1/2" Threaded, Brass, Venturi Flowmeter	438.89	126.19
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0063	EA		2" Threaded, Brass, Venturi Flowmeter	522.36	144.26
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0064	EA		2-1/2" Threaded, Brass, Venturi Flowmeter	708.35	194.37
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
23 05 19 00-0065			Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066	EA		3" Butt Weld, Carbon Steel, Venturi Flowmeter	2,647.83	173.25
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	805.46	
23 05 19 00-0067	EA		4" Butt Weld, Carbon Steel, Venturi Flowmeter	3,714.36	207.91
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	1,154.49	
23 05 19 00-0068	EA		5" Butt Weld, Carbon Steel, Venturi Flowmeter	4,892.26	259.88
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	1,530.38	
23 05 19 00-0069	EA		6" Butt Weld, Carbon Steel, Venturi Flowmeter	5,755.92	346.51
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	1,772.02	
23 05 19 00-0070	EA		8" Butt Weld, Carbon Steel, Venturi Flowmeter	8,579.39	415.81
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	2,711.72	
23 05 19 00-0071	EA		10" Butt Weld, Carbon Steel, Venturi Flowmeter	14,310.45	519.76
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	4,644.82	
23 05 19 00-0072	EA		12" Butt Weld, Carbon Steel, Venturi Flowmeter	21,539.43	720.64
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	7,034.36	
23 05 19 00-0073	EA		14" Butt Weld, Carbon Steel, Venturi Flowmeter	30,084.54	1,080.95
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	9,772.92	
23 05 19 00-0074	EA		16" Butt Weld, Carbon Steel, Venturi Flowmeter	45,743.58	1,201.05
			<i>For Portable Venturi Flow Meter, Add</i>	995.00	
			<i>For Flanged Ends, Add</i>	15,169.51	
23 05 19 00-0075			Turbine Flowmeter (23 05 19)		
23 05 19 00-0076	EA		Saddle Mount Turbine Flowmeter	1,925.17	92.79
23 05 19 00-0077			Sight Flow Indicator (23 05 19)		
23 05 19 00-0078			Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0079	EA		1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	174.53	18.00
23 05 19 00-0080	EA		3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	182.29	18.95
23 05 19 00-0081	EA		1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	197.18	19.91
23 05 19 00-0082	EA		3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	220.46	26.83
23 05 19 00-0083	EA		1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	263.48	32.52
23 05 19 00-0084	EA		1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	298.43	41.18
23 05 19 00-0085	EA		1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	423.80	47.61



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0086	EA				2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	469.28	56.26
23 05 19 00-0087					Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0088	EA				1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	227.36	18.00
23 05 19 00-0089	EA				3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	233.94	18.95
23 05 19 00-0090	EA				1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	252.36	19.91
23 05 19 00-0091	EA				3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	267.42	26.83
23 05 19 00-0092	EA				1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	283.44	32.52
23 05 19 00-0093	EA				1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	306.64	41.18
23 05 19 00-0094	EA				1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	583.45	47.61
23 05 19 00-0095	EA				2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	624.23	56.26
23 05 19 00-0096					Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0097	EA				1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	329.49	18.00
23 05 19 00-0098	EA				3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	347.81	18.95
23 05 19 00-0099	EA				1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	377.96	19.91
23 05 19 00-0100	EA				3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	410.64	26.83
23 05 19 00-0101	EA				1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	471.26	32.52
23 05 19 00-0102	EA				1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	497.99	41.18
23 05 19 00-0103	EA				1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	1,006.06	47.61
23 05 19 00-0104	EA				2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	1,058.57	56.26
23 05 19 00-0105					Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0106	EA				1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	223.83	18.00
23 05 19 00-0107	EA				3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	232.77	18.95
23 05 19 00-0108	EA				1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	246.49	19.91
23 05 19 00-0109	EA				3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	266.25	26.83
23 05 19 00-0110	EA				1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	282.26	32.52
23 05 19 00-0111	EA				1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	306.64	41.18
23 05 19 00-0112	EA				1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	576.41	47.61
23 05 19 00-0113	EA				2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	614.84	56.26
23 05 19 00-0114					Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0115	EA				1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	327.14	18.00
23 05 19 00-0116	EA				3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	352.51	18.95
23 05 19 00-0117	EA				1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	385.01	19.91
23 05 19 00-0118	EA				3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	410.64	26.83
23 05 19 00-0119	EA				1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	471.26	32.52
23 05 19 00-0120	EA				1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	502.69	41.18
23 05 19 00-0121	EA				1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	1,006.06	47.61
23 05 19 00-0122	EA				2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	1,058.57	56.26
23 05 19 00-0123					Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0124	EA				1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	480.65	32.52
23 05 19 00-0125	EA				1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	540.25	41.18
23 05 19 00-0126	EA				1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	613.97	47.61
23 05 19 00-0127	EA				2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	689.97	56.26
23 05 19 00-0128					Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0129	EA				1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,057.80	129.84
23 05 19 00-0130	EA				2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,181.01	164.83

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 19 Meters and Gages for HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 19 00-0131	EA		3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,740.79	193.61
23 05 19 00-0132	EA		4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,626.00	324.58
23 05 19 00-0133	EA		6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,246.19	386.16

23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)

23 05 19 00-0135	EA		1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	811.60	92.74
23 05 19 00-0136	EA		1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	958.48	108.20
23 05 19 00-0137	EA		1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,033.73	129.84
23 05 19 00-0138	EA		2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,295.47	164.83
23 05 19 00-0139	EA		3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,881.07	193.61
23 05 19 00-0140	EA		4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,778.02	324.58

23 05 19 00-0141 Water Flow Switches (23 05 19)

23 05 19 00-0142	EA		Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	298.78	36.47
23 05 19 00-0143	EA		Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	309.52	36.47
23 05 19 00-0144	EA		Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	400.19	36.47
23 05 19 00-0145	EA		Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	413.92	36.47
23 05 19 00-0146	EA		Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	323.25	36.47
23 05 19 00-0147	EA		Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	335.77	36.47
23 05 19 00-0148	EA		Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	424.66	36.47
23 05 19 00-0149	EA		Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	437.18	36.47
23 05 19 00-0150	EA		Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	840.41	36.47
23 05 19 00-0151	EA		Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	852.54	36.47
23 05 19 00-0152	EA		Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	967.80	36.47
23 05 19 00-0153	EA		Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	984.49	36.47
23 05 19 00-0154	EA		Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	869.22	36.47
23 05 19 00-0155	EA		Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	885.90	36.47
23 05 19 00-0156	EA		Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	996.62	36.47
23 05 19 00-0157	EA		Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,014.82	36.47

23 05 23 General-Duty Valves For HVAC Piping (23 05)

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves (23 05 23)

23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves (23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0003	EA		1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	67.99	12.37
			<i>For Work In Restricted Working Space, Add</i>	10.80	
			<i>For 150 LB Rating, Add</i>	3.20	
			<i>For 200 LB Rating, Add</i>	4.80	
			<i>For 250 LB Rating, Add</i>	8.00	
			<i>For 300 LB Rating, Add</i>	11.19	
23 05 23 00-0004	EA		3/8" Diameter, 125 LB, Threaded Bronze Gate Valve	69.88	12.37
			<i>For Work In Restricted Working Space, Add</i>	11.37	
			<i>For 150 LB Rating, Add</i>	3.20	
			<i>For 200 LB Rating, Add</i>	4.80	
			<i>For 250 LB Rating, Add</i>	8.00	
			<i>For 300 LB Rating, Add</i>	11.19	
23 05 23 00-0005	EA		1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	71.86	12.37
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For 150 LB Rating, Add</i>	3.20	
			<i>For 200 LB Rating, Add</i>	4.80	
			<i>For 250 LB Rating, Add</i>	8.00	
			<i>For 300 LB Rating, Add</i>	11.19	
23 05 23 00-0006	EA		3/4" Diameter, 125 LB, Threaded Bronze Gate Valve	91.93	13.60
			<i>For Work In Restricted Working Space, Add</i>	16.13	
			<i>For 150 LB Rating, Add</i>	3.82	
			<i>For 200 LB Rating, Add</i>	5.72	
			<i>For 250 LB Rating, Add</i>	9.54	
			<i>For 300 LB Rating, Add</i>	13.36	
23 05 23 00-0007	EA		1" Diameter, 125 LB, Threaded Bronze Gate Valve	122.74	15.46
			<i>For Work In Restricted Working Space, Add</i>	19.53	
			<i>For 150 LB Rating, Add</i>	5.77	
			<i>For 200 LB Rating, Add</i>	8.65	
			<i>For 250 LB Rating, Add</i>	14.41	
			<i>For 300 LB Rating, Add</i>	20.18	
23 05 23 00-0008	EA		1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	160.16	16.45
			<i>For Work In Restricted Working Space, Add</i>	24.73	
			<i>For 150 LB Rating, Add</i>	7.77	
			<i>For 200 LB Rating, Add</i>	11.66	
			<i>For 250 LB Rating, Add</i>	19.43	
			<i>For 300 LB Rating, Add</i>	27.21	
23 05 23 00-0009	EA		1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	193.06	19.04
			<i>For Work In Restricted Working Space, Add</i>	28.53	
			<i>For 150 LB Rating, Add</i>	9.80	
			<i>For 200 LB Rating, Add</i>	14.69	
			<i>For 250 LB Rating, Add</i>	24.49	
			<i>For 300 LB Rating, Add</i>	34.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0010 EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve	246.24	22.51
For Work In Restricted Working Space, Add	33.72	
For 150 LB Rating, Add	13.38	
For 200 LB Rating, Add	20.07	
For 250 LB Rating, Add	33.46	
For 300 LB Rating, Add	46.84	
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	533.53	30.41
For Work In Restricted Working Space, Add	45.56	
For Chain Operated Type, Add	171.76	
For 150 LB Rating, Add	38.17	
For 200 LB Rating, Add	57.25	
For 250 LB Rating, Add	95.42	
For 300 LB Rating, Add	133.59	
23 05 23 00-0012 EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve	631.46	35.30
For Work In Restricted Working Space, Add	52.56	
For Chain Operated Type, Add	205.31	
For 150 LB Rating, Add	45.63	
For 200 LB Rating, Add	68.44	
For 250 LB Rating, Add	114.06	
For 300 LB Rating, Add	159.69	
23 05 23 00-0013 EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve	1,286.21	39.86
For Work In Restricted Working Space, Add	59.79	
For Chain Operated Type, Add	489.11	
For 150 LB Rating, Add	108.69	
For 200 LB Rating, Add	163.04	
For 250 LB Rating, Add	271.73	
For 300 LB Rating, Add	380.42	
23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves		
<small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	284.02	19.04
For Work In Restricted Working Space, Add	28.53	
For 150 LB Rating, Add	37.78	
For 250 LB Rating, Add	66.12	
For Chain Operated Type, Add	66.12	
23 05 23 00-0016 EA 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	431.63	22.51
For Work In Restricted Working Space, Add	33.72	
For 150 LB Rating, Add	63.84	
For 250 LB Rating, Add	111.73	
For Chain Operated Type, Add	111.73	
23 05 23 00-0017 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	631.95	30.41
For Work In Restricted Working Space, Add	45.56	
For 150 LB Rating, Add	96.02	
For 250 LB Rating, Add	168.04	
For Chain Operated Type, Add	168.04	
23 05 23 00-0018 EA 3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	805.13	35.30
For Work In Restricted Working Space, Add	52.56	
For 150 LB Rating, Add	125.98	
For 250 LB Rating, Add	220.47	
For Chain Operated Type, Add	220.47	
23 05 23 00-0019 EA 4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,894.98	39.86
For Work In Restricted Working Space, Add	59.79	
For 150 LB Rating, Add	339.14	
For 250 LB Rating, Add	593.49	
For Chain Operated Type, Add	593.49	
23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves		
<small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	618.86	129.84
For Work In Restricted Working Space, Add	48.81	
For 150 LB Rating, Add	132.29	
For 250 LB Rating, Add	228.08	
For 300 LB Rating, ASTM A182, Add	537.51	
For Chain Operated Type, Add	228.08	
23 05 23 00-0022 EA 2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	683.17	164.83
For Work In Restricted Working Space, Add	61.83	
For 150 LB Rating, Add	138.35	
For 250 LB Rating, Add	238.54	
For 300 LB Rating, ASTM A182, Add	580.13	
For Chain Operated Type, Add	238.54	
23 05 23 00-0023 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	779.47	165.14
For Work In Restricted Working Space, Add	62.12	
For 150 LB Rating, Add	166.00	
For 250 LB Rating, Add	286.20	
For 300 LB Rating, ASTM A182, Add	675.94	
For Chain Operated Type, Add	286.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05	23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	957.77	193.61
			<i>For Work In Restricted Working Space, Add</i>	72.69	
			<i>For 150 LB Rating, Add</i>	207.48	
			<i>For 250 LB Rating, Add</i>	357.73	
			<i>For 300 LB Rating, ASTM A182, Add</i>	836.62	
			<i>For Chain Operated Type, Add</i>	357.73	
23 05	23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,360.74	324.58
			<i>For Work In Restricted Working Space, Add</i>	122.02	
			<i>For 150 LB Rating, Add</i>	276.66	
			<i>For 250 LB Rating, Add</i>	477.00	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,157.37	
			<i>For Chain Operated Type, Add</i>	477.00	
23 05	23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,673.86	347.54
			<i>For Work In Restricted Working Space, Add</i>	130.13	
			<i>For 150 LB Rating, Add</i>	359.63	
			<i>For 250 LB Rating, Add</i>	620.05	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,456.98	
			<i>For Chain Operated Type, Add</i>	620.05	
23 05	23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,010.53	386.16
			<i>For Work In Restricted Working Space, Add</i>	145.33	
			<i>For 150 LB Rating, Add</i>	442.57	
			<i>For 250 LB Rating, Add</i>	763.05	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,768.32	
			<i>For Chain Operated Type, Add</i>	763.05	
23 05	23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,140.94	493.43
			<i>For Work In Restricted Working Space, Add</i>	183.89	
			<i>For 150 LB Rating, Add</i>	733.12	
			<i>For 250 LB Rating, Add</i>	1,264.00	
			<i>For 300 LB Rating, ASTM A182, Add</i>	2,834.47	
			<i>For Chain Operated Type, Add</i>	1,264.00	
23 05	23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,089.48	600.70
			<i>For Work In Restricted Working Space, Add</i>	225.26	
			<i>For 150 LB Rating, Add</i>	968.20	
			<i>For 250 LB Rating, Add</i>	1,669.31	
			<i>For 300 LB Rating, ASTM A182, Add</i>	3,714.05	
			<i>For Chain Operated Type, Add</i>	1,669.31	
23 05	23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,679.86	729.41
			<i>For Work In Restricted Working Space, Add</i>	273.05	
			<i>For 150 LB Rating, Add</i>	1,383.22	
			<i>For 250 LB Rating, Add</i>	2,384.86	
			<i>For 300 LB Rating, ASTM A182, Add</i>	5,224.79	
			<i>For Chain Operated Type, Add</i>	2,384.86	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure.					
23 05	23 00-0032	EA	1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	558.19	19.04
			<i>For Work In Restricted Working Space, Add</i>	28.53	
			<i>For 175 LB Rating, Add</i>	231.54	
			<i>For 250 LB Rating, Add</i>	347.31	
23 05	23 00-0033	EA	2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	711.05	22.51
			<i>For Work In Restricted Working Space, Add</i>	33.72	
			<i>For 175 LB Rating, Add</i>	299.32	
			<i>For 250 LB Rating, Add</i>	448.98	
23 05	23 00-0034	EA	2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	826.89	30.41
			<i>For Work In Restricted Working Space, Add</i>	45.56	
			<i>For 175 LB Rating, Add</i>	337.52	
			<i>For 250 LB Rating, Add</i>	506.28	
23 05	23 00-0035	EA	3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	920.05	35.30
			<i>For Work In Restricted Working Space, Add</i>	52.56	
			<i>For 175 LB Rating, Add</i>	372.42	
			<i>For 250 LB Rating, Add</i>	558.63	
23 05	23 00-0036	EA	4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,227.82	39.86
			<i>For Work In Restricted Working Space, Add</i>	59.79	
			<i>For 175 LB Rating, Add</i>	514.26	
			<i>For 250 LB Rating, Add</i>	771.39	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".					
23 05	23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	820.29	129.84
			<i>For Work In Restricted Working Space, Add</i>	48.81	
			<i>For 150 LB Rating, Add</i>	98.64	
			<i>For 175 LB Rating, Add</i>	203.85	
			<i>For 250 LB Rating, Add</i>	427.43	
			<i>For Chain Operated Type, Add</i>	328.80	
23 05	23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	883.22	164.83
			<i>For Work In Restricted Working Space, Add</i>	61.83	
			<i>For 150 LB Rating, Add</i>	101.57	
			<i>For 175 LB Rating, Add</i>	209.91	
			<i>For 250 LB Rating, Add</i>	440.13	
			<i>For Chain Operated Type, Add</i>	338.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0040 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	906.30	165.14
For Work In Restricted Working Space, Add	62.12	
For 150 LB Rating, Add	104.88	
For 175 LB Rating, Add	216.76	
For 250 LB Rating, Add	454.50	
For Chain Operated Type, Add	349.62	
23 05 23 00-0041 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,011.65	193.61
For Work In Restricted Working Space, Add	72.69	
For 150 LB Rating, Add	115.40	
For 175 LB Rating, Add	238.50	
For 250 LB Rating, Add	500.07	
For Chain Operated Type, Add	384.67	
23 05 23 00-0042 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,339.75	324.58
For Work In Restricted Working Space, Add	122.02	
For 150 LB Rating, Add	139.95	
For 175 LB Rating, Add	289.23	
For 250 LB Rating, Add	606.46	
For Chain Operated Type, Add	466.51	
23 05 23 00-0043 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,735.52	347.54
For Work In Restricted Working Space, Add	130.13	
For 150 LB Rating, Add	195.26	
For 175 LB Rating, Add	403.54	
For 250 LB Rating, Add	846.14	
For Chain Operated Type, Add	650.88	
23 05 23 00-0044 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,971.08	386.16
For Work In Restricted Working Space, Add	145.33	
For 150 LB Rating, Add	223.00	
For 175 LB Rating, Add	460.86	
For 250 LB Rating, Add	966.32	
For Chain Operated Type, Add	743.33	
23 05 23 00-0045 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,127.28	493.43
For Work In Restricted Working Space, Add	183.89	
For 150 LB Rating, Add	377.15	
For 175 LB Rating, Add	779.44	
For 250 LB Rating, Add	1,634.31	
For Chain Operated Type, Add	1,257.17	
23 05 23 00-0046 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,620.40	600.70
For Work In Restricted Working Space, Add	225.26	
For 150 LB Rating, Add	580.43	
For 175 LB Rating, Add	1,199.56	
For 250 LB Rating, Add	2,515.20	
For Chain Operated Type, Add	1,934.77	
23 05 23 00-0047 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,814.47	729.41
For Work In Restricted Working Space, Add	273.05	
For 150 LB Rating, Add	735.65	
For 175 LB Rating, Add	1,520.34	
For 250 LB Rating, Add	3,187.81	
For Chain Operated Type, Add	2,452.16	
23 05 23 00-0048 EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	11,743.41	1,027.99
For Work In Restricted Working Space, Add	385.49	
For 150 LB Rating, Add	1,568.76	
For 175 LB Rating, Add	3,242.11	
For 250 LB Rating, Add	6,797.98	
23 05 23 00-0049 EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,324.24	1,130.79
For Work In Restricted Working Space, Add	424.04	
For 150 LB Rating, Add	2,086.61	
For 175 LB Rating, Add	4,312.34	
For 250 LB Rating, Add	9,041.99	
23 05 23 00-0050 EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	21,042.99	1,254.15
For Work In Restricted Working Space, Add	470.30	
For 150 LB Rating, Add	2,921.30	
For 175 LB Rating, Add	6,037.35	
For 250 LB Rating, Add	12,658.95	
23 05 23 00-0051 EA 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	26,802.71	1,413.48
For Work In Restricted Working Space, Add	530.06	
For 150 LB Rating, Add	3,755.38	
For 175 LB Rating, Add	7,761.11	
For 250 LB Rating, Add	16,273.30	
23 05 23 00-0052 EA 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	36,705.91	1,734.73
For Work In Restricted Working Space, Add	650.52	
For 150 LB Rating, Add	5,180.63	
For 175 LB Rating, Add	10,706.63	
For 250 LB Rating, Add	22,449.38	
23 05 23 00-0053 EA 30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	76,925.90	2,826.97
For Work In Restricted Working Space, Add	1,060.11	
For 150 LB Rating, Add	11,008.83	
For 175 LB Rating, Add	22,751.58	
For 250 LB Rating, Add	47,704.92	
23 05 23 00-0054 EA 36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	97,962.87	3,769.29
For Work In Restricted Working Space, Add	1,413.49	
For 150 LB Rating, Add	13,987.69	
For 175 LB Rating, Add	28,907.89	
For 250 LB Rating, Add	60,613.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0055	EA		42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	114,771.56 1,793.53 16,318.97 33,725.87 70,715.53	4,782.75
23 05 23 00-0056	EA		48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	137,948.05 2,241.92 19,571.25 40,447.25 84,808.75	5,978.44
23 05 23 00-0057	EA		54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i>	165,537.65 2,690.30 23,485.50 48,536.70 101,770.50	7,174.12
23 05 23 00-0058			Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves <small>(23 05 23 00-0001)</small> Note: 800 psig at 850 degrees F.		
23 05 23 00-0059	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve..... <i>For Work In Restricted Working Space, Add</i>	168.72 10.80	12.37
23 05 23 00-0060	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve..... <i>For Work In Restricted Working Space, Add</i>	172.59 11.96	12.37
23 05 23 00-0061	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve..... <i>For Work In Restricted Working Space, Add</i>	204.29 16.13	13.60
23 05 23 00-0062	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve..... <i>For Work In Restricted Working Space, Add</i>	247.98 19.53	15.46
23 05 23 00-0063	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve..... <i>For Work In Restricted Working Space, Add</i>	377.51 24.73	16.45
23 05 23 00-0064	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve..... <i>For Work In Restricted Working Space, Add</i>	446.32 28.53	19.04
23 05 23 00-0065	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve..... <i>For Work In Restricted Working Space, Add</i>	560.72 33.72	22.51
23 05 23 00-0066			Ball Valves <small>(23 05 23)</small> See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0067			Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small> Note: 125 LB WSP.		
23 05 23 00-0068	EA		1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.22 2.63 6.45 11.96	12.37
23 05 23 00-0069	EA		3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.83 2.63 9.93 16.13	13.60
23 05 23 00-0070	EA		1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.87 2.63 13.40 19.53	15.46
23 05 23 00-0071	EA		1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.43 2.63 22.50 24.73	16.45
23 05 23 00-0072	EA		1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.97 2.63 28.74 28.53	19.04
23 05 23 00-0073	EA		2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.40 2.63 36.00 33.72	22.51
23 05 23 00-0074	EA		2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	529.34 2.63 169.87 45.56	30.41
23 05 23 00-0075	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	610.76 2.63 196.00 52.56	35.30
23 05 23 00-0076	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	793.11 2.63 267.21 59.79	39.86



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0077	Screwed, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>			
23 05 23 00-0078	EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		63.46 10.80	12.37
23 05 23 00-0079	EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		69.68 11.96	12.37
23 05 23 00-0080	EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		96.87 16.13	13.60
23 05 23 00-0081	EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		123.04 19.53	15.46
23 05 23 00-0082	EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		181.48 24.73	16.45
23 05 23 00-0083	EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		220.59 28.53	19.04
23 05 23 00-0084	EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		285.18 33.72	22.51
23 05 23 00-0085	Flanged, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>			
23 05 23 00-0086	EA 1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		505.20 48.81 99.33 171.25 423.85 171.25 48.81	129.84
23 05 23 00-0087	EA 2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		630.99 61.83 123.22 212.45 527.95 212.45 61.83	164.83
23 05 23 00-0088	EA 2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		983.25 62.12 225.09 388.09 879.72 388.09 62.12	165.14
23 05 23 00-0089	EA 3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		1,081.52 72.69 243.37 419.61 960.37 419.61 72.69	193.61
23 05 23 00-0090	EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		1,585.49 122.02	324.58
23 05 23 00-0091	EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		3,680.43 145.33	386.16
23 05 23 00-0092	EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>		6,283.57 183.89	493.43
23 05 23 00-0093	Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves <small>(23 05 23 00-0066)</small>			
23 05 23 00-0094	EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		51.27 6.65 11.96	12.37
23 05 23 00-0095	EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		66.88 8.07 16.13	13.60
23 05 23 00-0096	EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		83.35 10.72 19.53	15.46
23 05 23 00-0097	EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		106.41 13.92 24.73	16.45
23 05 23 00-0098	EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		136.84 21.69 28.53	19.04
23 05 23 00-0099	EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		165.59 27.17 33.72	22.51
23 05 23 00-0100	EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		266.27 53.74 45.56	30.41
23 05 23 00-0101	EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		369.77 87.02 52.56	35.30
23 05 23 00-0102	EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>		571.30 159.26 59.79	39.86

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0103 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0104 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	97.15	18.55
For Full Port, Add	19.41	
For Work In Restricted Working Space, Add	16.20	
23 05 23 00-0105 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	100.00	18.55
For Full Port, Add	19.41	
For Work In Restricted Working Space, Add	17.06	
23 05 23 00-0106 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	102.98	18.55
For Full Port, Add	19.41	
For Work In Restricted Working Space, Add	17.95	
23 05 23 00-0107 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	126.38	20.41
For Full Port, Add	20.58	
For Work In Restricted Working Space, Add	24.19	
23 05 23 00-0108 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	165.39	23.18
For Full Port, Add	30.49	
For Work In Restricted Working Space, Add	29.29	
23 05 23 00-0109 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	216.40	24.67
For Full Port, Add	41.73	
For Work In Restricted Working Space, Add	37.10	
23 05 23 00-0110 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	265.98	28.56
For Full Port, Add	55.49	
For Work In Restricted Working Space, Add	42.80	
23 05 23 00-0111 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	369.28	33.75
For Full Port, Add	90.30	
For Work In Restricted Working Space, Add	50.58	
23 05 23 00-0112 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	714.75	45.61
For Full Port, Add	219.14	
For Work In Restricted Working Space, Add	68.33	
23 05 23 00-0113 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	1,036.11	52.95
For Full Port, Add	347.98	
For Work In Restricted Working Space, Add	78.85	
23 05 23 00-0114 Wye Strainer, Union With Two Pressure Ports, Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0115 EA 1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	175.60	12.37
23 05 23 00-0116 EA 3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	225.41	16.07
23 05 23 00-0117 EA 1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	290.30	19.78
23 05 23 00-0118 EA 1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	395.87	27.20
23 05 23 00-0119 EA 1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	494.73	31.65
23 05 23 00-0120 EA 2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	652.32	37.10
23 05 23 00-0121 Plastic Ball Valves <small>(23 05 23 00-0066)</small> Note: Threaded or socket.		
23 05 23 00-0122 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves <small>(23 05 23 00-0121)</small>		
23 05 23 00-0123 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	75.22	12.37
23 05 23 00-0124 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	78.55	12.37
23 05 23 00-0125 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	99.62	13.60
23 05 23 00-0126 EA 1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	129.38	15.46
23 05 23 00-0127 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	154.17	16.45
23 05 23 00-0128 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	186.47	19.04
23 05 23 00-0129 EA 2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	226.95	22.51
23 05 23 00-0130 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves <small>(23 05 23 00-0121)</small>		
23 05 23 00-0131 EA 3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	111.72	12.37
23 05 23 00-0132 EA 1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	113.39	12.37
23 05 23 00-0133 EA 3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	142.75	13.60
23 05 23 00-0134 EA 1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	176.23	15.46
23 05 23 00-0135 EA 1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	264.90	16.45
23 05 23 00-0136 EA 1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	294.17	19.04
23 05 23 00-0137 EA 2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	352.94	22.51
23 05 23 00-0138 Viton Liner And Seals, Polypropylene (PP) Ball Valves <small>(23 05 23 00-0121)</small>		
23 05 23 00-0139 EA 3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	124.16	12.37
23 05 23 00-0140 EA 1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	134.12	12.37
23 05 23 00-0141 EA 3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	154.36	13.60
23 05 23 00-0142 EA 1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	189.50	15.46
23 05 23 00-0143 EA 1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	238.36	16.45



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05	23	00-0144	EA 1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	285.87	19.04
	23 05	23	00-0145	EA 2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	369.52	22.51
23 05 23 00-0146 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves <small>(23 05 23 00-0121)</small>						
	23 05	23	00-0147	EA 3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	246.91	12.37
	23 05	23	00-0148	EA 1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	263.51	12.37
	23 05	23	00-0149	EA 3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	313.60	13.60
	23 05	23	00-0150	EA 1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	366.99	15.46
	23 05	23	00-0151	EA 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	447.37	16.45
	23 05	23	00-0152	EA 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	493.22	19.04
	23 05	23	00-0153	EA 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	568.58	22.51
23 05 23 00-0154 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves <small>(23 05 23 00-0121)</small>						
	23 05	23	00-0155	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	52.26	12.37
	23 05	23	00-0156	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	70.01	13.60
	23 05	23	00-0157	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	85.00	15.46
	23 05	23	00-0158	EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	117.60	16.45
	23 05	23	00-0159	EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	130.28	19.04
	23 05	23	00-0160	EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	158.77	22.51
23 05 23 00-0161 Plastic, True Union, Ball Valves <small>(23 05 23 00-0066)</small>						
23 05 23 00-0162 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves <small>(23 05 23 00-0161)</small>						
Note: Socket or NPT connectors.						
	23 05	23	00-0163	EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	120.84	12.37
	23 05	23	00-0164	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	125.83	12.37
	23 05	23	00-0165	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	152.70	13.60
	23 05	23	00-0166	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	187.84	15.46
	23 05	23	00-0167	EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	226.75	16.45
	23 05	23	00-0168	EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	260.99	19.04
	23 05	23	00-0169	EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	319.76	22.51
23 05 23 00-0170 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves <small>(23 05 23 00-0161)</small>						
Note: Socket or NPT connectors.						
	23 05	23	00-0171	EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	122.50	12.37
	23 05	23	00-0172	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	142.42	12.37
	23 05	23	00-0173	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	154.36	13.60
	23 05	23	00-0174	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	187.84	15.46
	23 05	23	00-0175	EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	223.43	16.45
	23 05	23	00-0176	EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	259.33	19.04
	23 05	23	00-0177	EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	319.76	22.51
23 05 23 00-0178 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves <small>(23 05 23 00-0161)</small>						
Note: Socket or NPT connectors.						
	23 05	23	00-0179	EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	67.77	12.37
	23 05	23	00-0180	EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	87.18	13.60
	23 05	23	00-0181	EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	104.90	15.46

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0182 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	138.00	16.45
23 05 23 00-0183 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	161.46	19.04
23 05 23 00-0184 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	220.23	22.51
23 05 23 00-0185 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	307.78	30.41
23 05 23 00-0186 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	387.54	35.30
23 05 23 00-0187 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	547.65	39.86
23 05 23 00-0188 Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves (23 05 23 00-0161)		
Note: Socket or NPT connectors.		
23 05 23 00-0189 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	79.38	12.37
23 05 23 00-0190 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	103.76	13.60
23 05 23 00-0191 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	128.12	15.46
23 05 23 00-0192 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	178.64	16.45
23 05 23 00-0193 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	196.30	19.04
23 05 23 00-0194 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	251.75	22.51
23 05 23 00-0195 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	433.85	30.41
23 05 23 00-0196 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	506.97	35.30
23 05 23 00-0197 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	779.88	39.86
23 05 23 00-0198 Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0161)		
23 05 23 00-0199 Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0198)		
23 05 23 00-0200 EA 1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	65.45	12.37
23 05 23 00-0201 EA 3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.34	12.37
23 05 23 00-0202 EA 1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.01	12.37
23 05 23 00-0203 EA 3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	88.17	13.60
23 05 23 00-0204 EA 1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	108.01	15.46
23 05 23 00-0205 EA 1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	131.40	16.45
23 05 23 00-0206 EA 1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	158.05	19.04
23 05 23 00-0207 EA 2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	201.99	22.51
23 05 23 00-0208 EA 2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	373.30	30.41
23 05 23 00-0209 EA 3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	415.74	35.30
23 05 23 00-0210 EA 4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	573.36	39.86
23 05 23 00-0211 Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0198)		
23 05 23 00-0212 EA 1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	65.45	12.37
23 05 23 00-0213 EA 3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.34	12.37
23 05 23 00-0214 EA 1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.01	12.37
23 05 23 00-0215 EA 3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	88.17	13.60
23 05 23 00-0216 EA 1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	108.01	15.46
23 05 23 00-0217 EA 1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	131.40	16.45
23 05 23 00-0218 EA 1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	158.05	19.04
23 05 23 00-0219 EA 2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	201.99	22.51
23 05 23 00-0220 EA 2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	373.30	30.41
23 05 23 00-0221 EA 3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	415.74	35.30
23 05 23 00-0222 EA 4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	573.36	39.86
23 05 23 00-0223 Three Piece Ball Valves (23 05 23 00-0066)		
23 05 23 00-0224 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0223)		
23 05 23 00-0225 EA 1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	102.10	12.37
For Work In Restricted Working Space, Add	10.80	
23 05 23 00-0226 EA 3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	103.99	12.37
For Work In Restricted Working Space, Add	11.37	
23 05 23 00-0227 EA 1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	116.50	12.37
For Work In Restricted Working Space, Add	11.97	
23 05 23 00-0228 EA 3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	147.78	13.60
For Work In Restricted Working Space, Add	16.13	
23 05 23 00-0229 EA 1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	188.55	15.46
For Work In Restricted Working Space, Add	19.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0230 EA 1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	259.92 24.73	16.45
23 05 23 00-0231 EA 1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	324.88 28.53	19.04
23 05 23 00-0232 EA 2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	528.72 33.72	22.51
23 05 23 00-0233 EA 2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,132.77 49.45	32.27
23 05 23 00-0234 Threaded, Carbon Steel Body, Three Piece Ball Valves <small>(23 05 23 00-0223)</small>		
23 05 23 00-0235 EA 1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	118.05 10.80	12.37
23 05 23 00-0236 EA 3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	129.18 11.37	12.37
23 05 23 00-0237 EA 1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	137.06 11.97	12.37
23 05 23 00-0238 EA 3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	218.07 16.13	13.60
23 05 23 00-0239 EA 1" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	278.38 19.52	15.46
23 05 23 00-0240 EA 1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	420.48 24.73	16.45
23 05 23 00-0241 EA 1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	534.39 28.53	19.04
23 05 23 00-0242 EA 2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	694.23 33.72	22.51
23 05 23 00-0243 Threaded, Stainless Steel Body, Three Piece Ball Valves <small>(23 05 23 00-0223)</small>		
23 05 23 00-0244 EA 1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	301.28 10.80	12.37
23 05 23 00-0245 EA 3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	322.93 11.37	12.37
23 05 23 00-0246 EA 1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	340.38 11.97	12.37
23 05 23 00-0247 EA 3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	493.60 16.13	13.60
23 05 23 00-0248 EA 1" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	601.74 19.52	15.46
23 05 23 00-0249 EA 1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	703.10 24.73	16.45
23 05 23 00-0250 EA 1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	940.74 28.53	19.04
23 05 23 00-0251 EA 2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,223.77 33.72	22.51
23 05 23 00-0252 EA 3" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	3,212.30 57.07	38.33
23 05 23 00-0253 Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0254 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves <small>(23 05 23 00-0253)</small>		
23 05 23 00-0255 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.29 11.29 13.84 16.38 20.03 11.96	12.37
23 05 23 00-0256 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.42 11.29 13.84 16.38 20.03 10.80	12.37
23 05 23 00-0257 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.25 16.85 20.65 24.46 29.89 11.37	12.37
23 05 23 00-0258 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.23 16.85 20.65 24.46 29.89 75.74 11.96	12.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0259 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.68 18.26 22.39 26.51 32.40 86.31 16.13	12.98
23 05 23 00-0260 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.71 24.68 30.26 35.83 43.79 113.62 19.53	12.98
23 05 23 00-0261 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.94 42.63 52.25 61.88 75.63 184.23 24.73	16.45
23 05 23 00-0262 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.64 60.92 74.68 88.44 108.09 254.23 28.53	19.04
23 05 23 00-0263 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.45 71.62 87.80 103.97 127.07 299.11 33.72	22.51
23 05 23 00-0264 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	384.78 72.21 88.51 104.82 128.11 45.56	30.41
23 05 23 00-0265 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	697.08 161.78 198.31 234.84 287.03 52.56	35.30
23 05 23 00-0266 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0263)</small>		
23 05 23 00-0267 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	518.33 125.84 154.25 182.66 223.26 338.94 33.72	22.51
23 05 23 00-0268 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	643.87 152.53 186.97 221.41 270.61 410.84 45.56	30.41
23 05 23 00-0269 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	765.63 183.03 224.36 265.69 324.73 493.00 52.56	35.30
23 05 23 00-0270 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	986.47 244.04 299.15 354.25 432.98 657.34 59.77	39.86
23 05 23 00-0271 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0263)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0272 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	596.89	164.83
<i>For 150 LB Rating, Add</i>	121.15	
<i>For 250 LB Rating, Add</i>	175.86	
<i>For Chain Operated Type, Add</i>	195.40	
<i>For Work In Restricted Working Space, Add</i>	61.83	
23 05 23 00-0273 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	683.48	165.14
<i>For 150 LB Rating, Add</i>	147.69	
<i>For 250 LB Rating, Add</i>	214.38	
<i>For Chain Operated Type, Add</i>	238.21	
<i>For Work In Restricted Working Space, Add</i>	62.12	
23 05 23 00-0274 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	814.00	193.61
<i>For 150 LB Rating, Add</i>	177.22	
<i>For 250 LB Rating, Add</i>	257.26	
<i>For Chain Operated Type, Add</i>	285.85	
<i>For Work In Restricted Working Space, Add</i>	72.69	
23 05 23 00-0275 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,168.99	324.58
<i>For 150 LB Rating, Add</i>	236.30	
<i>For 250 LB Rating, Add</i>	343.01	
<i>For Chain Operated Type, Add</i>	381.13	
<i>For Work In Restricted Working Space, Add</i>	122.02	
23 05 23 00-0276 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,493.78	347.54
<i>For 150 LB Rating, Add</i>	328.60	
<i>For 250 LB Rating, Add</i>	477.00	
<i>For Chain Operated Type, Add</i>	530.01	
<i>For Work In Restricted Working Space, Add</i>	130.13	
23 05 23 00-0277 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,824.33	386.16
<i>For 150 LB Rating, Add</i>	415.37	
<i>For 250 LB Rating, Add</i>	602.96	
<i>For Chain Operated Type, Add</i>	669.95	
<i>For Work In Restricted Working Space, Add</i>	145.33	
23 05 23 00-0278 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,673.42	493.43
<i>For 150 LB Rating, Add</i>	638.75	
<i>For 250 LB Rating, Add</i>	927.21	
<i>For Chain Operated Type, Add</i>	1,030.24	
<i>For Work In Restricted Working Space, Add</i>	183.89	
23 05 23 00-0279 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	3,889.20	600.70
<i>For 150 LB Rating, Add</i>	972.89	
<i>For 250 LB Rating, Add</i>	1,412.25	
<i>For Chain Operated Type, Add</i>	1,569.17	
<i>For Work In Restricted Working Space, Add</i>	225.26	
23 05 23 00-0280 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	6,848.75	729.41
<i>For 150 LB Rating, Add</i>	1,840.97	
<i>For 250 LB Rating, Add</i>	2,672.37	
<i>For Chain Operated Type, Add</i>	2,969.30	
<i>For Work In Restricted Working Space, Add</i>	273.05	
23 05 23 00-0281 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves <small>(23 05 23 00-0283)</small>		
23 05 23 00-0282 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	67.46	12.37
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 23 00-0283 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	63.59	12.37
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	10.80	
23 05 23 00-0284 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	65.48	12.37
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	11.37	
23 05 23 00-0285 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	69.30	12.37
<i>For 150 LB Rating, Add</i>	9.12	
<i>For 200 LB Rating, Add</i>	11.18	
<i>For 300 LB Rating, Add</i>	16.18	
<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 23 00-0286 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	94.56	12.98
<i>For 150 LB Rating, Add</i>	12.64	
<i>For 200 LB Rating, Add</i>	15.50	
<i>For 300 LB Rating, Add</i>	22.43	
<i>For Work In Restricted Working Space, Add</i>	16.13	
23 05 23 00-0287 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	118.62	12.98
<i>For 150 LB Rating, Add</i>	16.59	
<i>For 200 LB Rating, Add</i>	20.34	
<i>For 300 LB Rating, Add</i>	29.44	
<i>For Work In Restricted Working Space, Add</i>	19.53	
23 05 23 00-0288 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	161.95	16.45
<i>For 150 LB Rating, Add</i>	24.65	
<i>For 200 LB Rating, Add</i>	30.22	
<i>For 300 LB Rating, Add</i>	43.74	
<i>For Work In Restricted Working Space, Add</i>	24.73	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0289	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	187.82	19.04
			<i>For 150 LB Rating, Add</i>	28.74	
			<i>For 200 LB Rating, Add</i>	35.23	
			<i>For 300 LB Rating, Add</i>	50.99	
			<i>For Work In Restricted Working Space, Add</i>	28.53	
23 05 23 00-0290	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	252.05	22.51
			<i>For 150 LB Rating, Add</i>	43.29	
			<i>For 200 LB Rating, Add</i>	53.06	
			<i>For 300 LB Rating, Add</i>	76.80	
			<i>For Work In Restricted Working Space, Add</i>	33.72	
23 05 23 00-0291	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	416.76	33.02
			<i>For 150 LB Rating, Add</i>	78.09	
			<i>For 200 LB Rating, Add</i>	95.72	
			<i>For 300 LB Rating, Add</i>	138.54	
			<i>For Work In Restricted Working Space, Add</i>	49.46	
23 05 23 00-0292	EA		3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	616.82	38.33
			<i>For 150 LB Rating, Add</i>	132.24	
			<i>For 200 LB Rating, Add</i>	162.10	
			<i>For 300 LB Rating, Add</i>	234.62	
			<i>For Work In Restricted Working Space, Add</i>	57.07	
23 05 23 00-0293 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0253)					
23 05 23 00-0294	EA		2" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,211.56	164.83
			<i>For 250 LB Rating, Add</i>	603.28	
			<i>For Chain Operated Type, Add</i>	392.13	
			<i>For Work In Restricted Working Space, Add</i>	61.83	
23 05 23 00-0295	EA		2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,396.21	165.14
			<i>For 250 LB Rating, Add</i>	713.48	
			<i>For Chain Operated Type, Add</i>	463.76	
			<i>For Work In Restricted Working Space, Add</i>	62.12	
23 05 23 00-0296	EA		3" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,643.62	193.61
			<i>For 250 LB Rating, Add</i>	840.79	
			<i>For Chain Operated Type, Add</i>	546.51	
			<i>For Work In Restricted Working Space, Add</i>	72.69	
23 05 23 00-0297	EA		4" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,408.22	324.58
			<i>For 250 LB Rating, Add</i>	1,200.89	
			<i>For Chain Operated Type, Add</i>	780.58	
			<i>For Work In Restricted Working Space, Add</i>	122.02	
23 05 23 00-0298	EA		5" Flanged, 125 LB, Iron Body, Angle Globe Valve	4,020.79	347.54
			<i>For 250 LB Rating, Add</i>	2,152.21	
			<i>For Chain Operated Type, Add</i>	1,398.94	
			<i>For Work In Restricted Working Space, Add</i>	130.13	
23 05 23 00-0299	EA		6" Flanged, 125 LB, Iron Body, Angle Globe Valve	4,071.45	386.16
			<i>For 250 LB Rating, Add</i>	2,152.21	
			<i>For Chain Operated Type, Add</i>	1,398.94	
			<i>For Work In Restricted Working Space, Add</i>	145.33	
23 05 23 00-0300	EA		8" Flanged, 125 LB, Iron Body, Angle Globe Valve	7,633.47	493.43
			<i>For 250 LB Rating, Add</i>	4,212.31	
			<i>For Chain Operated Type, Add</i>	2,738.00	
			<i>For Work In Restricted Working Space, Add</i>	183.89	
23 05 23 00-0301 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0253)					
Note: 800 PSIG at 850 degrees F.					
23 05 23 00-0302	EA		1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	212.42	20.03
			<i>For Work In Restricted Working Space, Add</i>	10.80	
23 05 23 00-0303	EA		1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	216.29	20.03
			<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 23 00-0304	EA		3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	254.46	26.96
			<i>For Work In Restricted Working Space, Add</i>	16.13	
23 05 23 00-0305	EA		1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	314.33	32.52
			<i>For Work In Restricted Working Space, Add</i>	19.53	
23 05 23 00-0306	EA		1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	509.70	41.18
			<i>For Work In Restricted Working Space, Add</i>	24.73	
23 05 23 00-0307	EA		1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	611.40	47.61
			<i>For Work In Restricted Working Space, Add</i>	28.53	
23 05 23 00-0308	EA		2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	777.60	56.26
			<i>For Work In Restricted Working Space, Add</i>	33.72	
23 05 23 00-0309 Triple Duty Valves (23 05 23)					
Note: Valves function as a shut-off, check valve and calibrated balancing valve.					
23 05 23 00-0310 Straight Pattern, Triple Duty Valves (23 05 23 00-0309)					
Note: Bell & Gossett 3DX and 3DS-S Series.					
23 05 23 00-0311	EA		1" Threaded, Straight Pattern, Triple Duty Valve	310.90	12.98
23 05 23 00-0312	EA		1-1/4" Threaded, Straight Pattern, Triple Duty Valve	360.69	16.45
23 05 23 00-0313	EA		1-1/2" Threaded, Straight Pattern, Triple Duty Valve	391.98	19.04
23 05 23 00-0314	EA		2" Flanged, Straight Pattern, Triple Duty Valve.....	1,013.27	164.83
23 05 23 00-0315	EA		2-1/2" Flanged, Straight Pattern, Triple Duty Valve	1,139.50	165.14
23 05 23 00-0316	EA		3" Flanged, Straight Pattern, Triple Duty Valve.....	1,248.96	193.61
23 05 23 00-0317	EA		4" Flanged, Straight Pattern, Triple Duty Valve.....	2,549.94	324.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 05 23 00-0318 EA 5" Flanged, Straight Pattern Triple Duty Valve	2,962.00	347.54
				23 05 23 00-0319 EA 6" Flanged, Straight Pattern, Triple Duty Valve	3,935.82	386.16
				23 05 23 00-0320 EA 8" Flanged, Straight Pattern, Triple Duty Valve	5,298.30	493.43
				23 05 23 00-0321 EA 10" Flanged, Straight Pattern, Triple Duty Valve	8,488.65	600.70
23 05 23 00-0322		Flanged, Angle Pattern, Triple Duty Valves <small>(23 05 23 00-0309)</small>				
<small>Note: Bell & Gossett 3D-S Series.</small>						
				23 05 23 00-0323 EA 2" Flanged, Angle Pattern, Triple Duty Valve	990.07	164.83
				23 05 23 00-0324 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve	1,111.67	165.14
				23 05 23 00-0325 EA 3" Flanged, Angle Pattern, Triple Duty Valve	1,225.77	193.61
				23 05 23 00-0326 EA 4" Flanged, Angle Pattern, Triple Duty Valve	2,489.63	324.58
				23 05 23 00-0327 EA 5" Flanged, Angle Pattern, Triple Duty Valve	2,887.78	347.54
				23 05 23 00-0328 EA 6" Flanged, Angle Pattern, Triple Duty Valve	3,239.97	386.16
				23 05 23 00-0329 EA 8" Flanged, Angle Pattern, Triple Duty Valve	4,968.93	493.43
				23 05 23 00-0330 EA 10" Flanged, Angle Pattern, Triple Duty Valve	6,637.70	600.70
23 05 23 00-0331		Balanced, Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0309)</small>				
<small>Note: Bell & Gossett 3DS-B Series.</small>						
				23 05 23 00-0332 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,146.91	193.61
				23 05 23 00-0333 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,280.88	324.58
				23 05 23 00-0334 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,651.19	347.54
				23 05 23 00-0335 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,513.67	386.16
				23 05 23 00-0336 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,723.07	493.43
				23 05 23 00-0337 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,528.38	600.70
				23 05 23 00-0338 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,320.16	729.41
				23 05 23 00-0339 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	13,757.33	858.13
				23 05 23 00-0340 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	17,227.04	943.95
23 05 23 00-0341		Grooved Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0309)</small>				
<small>Note: Bell & Gossett 3DS-G Series.</small>						
				23 05 23 00-0342 EA 2" Grooved, Straight Pattern, Triple Duty Valve	1,065.70	30.54
				23 05 23 00-0343 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve	1,270.42	36.44
				23 05 23 00-0344 EA 3" Grooved, Straight Pattern, Triple Duty Valve	1,478.74	39.52
				23 05 23 00-0345 EA 4" Grooved, Straight Pattern, Triple Duty Valve	2,453.40	42.60
				23 05 23 00-0346 EA 5" Grooved, Straight Pattern, Triple Duty Valve	2,841.70	54.70
				23 05 23 00-0347 EA 6" Grooved, Straight Pattern Triple Duty Valve	3,788.46	70.15
				23 05 23 00-0348 EA 8" Grooved, Straight Pattern Triple Duty Valve	5,152.36	89.04
				23 05 23 00-0349 EA 10" Grooved, Straight Pattern Triple Duty Valve	8,129.18	99.76
				23 05 23 00-0350 EA 12" Grooved, Straight Pattern Triple Duty Valve	12,905.66	121.64
23 05 23 00-0351		Plug Valves <small>(23 05 23)</small>				
23 05 23 00-0352		Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated <small>(23 05 23 00-0351)</small>				
<small>Note: Includes wrench.</small>						
				23 05 23 00-0353 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	297.92	12.37
				23 05 23 00-0354 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	311.81	13.60
				23 05 23 00-0355 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	394.22	15.46
				23 05 23 00-0356 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	472.12	16.45
				23 05 23 00-0357 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	519.03	19.04
				23 05 23 00-0358 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	612.68	22.51
				23 05 23 00-0359 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	918.06	30.41
				23 05 23 00-0360 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,123.10	35.30
23 05 23 00-0361		Plug Valves, Lubricated, Semisteel Flanged <small>(23 05 23 00-0351)</small>				
<small>Note: Wrench operated for 4", gear operated for 6" and 10".</small>						
				23 05 23 00-0362 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	623.42	164.83
				23 05 23 00-0363 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	756.79	165.14
				23 05 23 00-0364 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	933.06	193.61
				23 05 23 00-0365 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,342.13	324.58
				23 05 23 00-0366 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,979.76	386.16
				23 05 23 00-0367 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	5,108.58	493.43
				23 05 23 00-0368 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	8,242.62	600.70
				23 05 23 00-0369 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	12,281.62	729.41
23 05 23 00-0370		Plug Valves, Forged Steel, Screwed <small>(23 05 23 00-0351)</small>				
				23 05 23 00-0371 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,143.60	12.37
				23 05 23 00-0372 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,351.41	13.60
				23 05 23 00-0373 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,527.93	15.46
				23 05 23 00-0374 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,833.37	16.45
				23 05 23 00-0375 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	2,134.95	19.04
				23 05 23 00-0376 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed	2,808.25	22.51
23 05 23 00-0377		Plug Valves, Eccentric, Cast Iron Flanged <small>(23 05 23 00-0351)</small>				
				23 05 23 00-0378 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,195.12	324.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0379 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,836.30	386.16
23 05 23 00-0380 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,497.31	493.43
23 05 23 00-0381 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,539.91	600.70
23 05 23 00-0382 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,570.27	729.41
23 05 23 00-0383 Foot Valves (23 05 23)		
23 05 23 00-0384 Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0383)		
23 05 23 00-0385 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction	100.04	30.93
23 05 23 00-0386 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	113.72	34.64
23 05 23 00-0387 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	145.40	39.59
23 05 23 00-0388 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction	190.84	44.54
23 05 23 00-0389 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	433.12	72.99
23 05 23 00-0390 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction	553.44	89.08
23 05 23 00-0391 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0383)		
23 05 23 00-0392 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction	100.04	30.93
23 05 23 00-0393 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	211.83	34.64
23 05 23 00-0394 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	202.00	39.59
23 05 23 00-0395 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction	273.81	44.54
23 05 23 00-0396 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction	536.00	72.99
23 05 23 00-0397 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction	728.00	87.84
23 05 23 00-0398 Float Valves (23 05 23)		
23 05 23 00-0399 Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0398)		
23 05 23 00-0400 Single Seat, Bronze Construction (23 05 23 00-0399)		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0401 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	229.31	25.97
23 05 23 00-0402 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	262.92	30.92
23 05 23 00-0403 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	340.64	33.39
23 05 23 00-0404 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	567.46	42.04
23 05 23 00-0405 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	579.82	48.22
23 05 23 00-0406 Double Seat, Bronze Construction (23 05 23 00-0399)		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0407 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	1,222.35	25.97
23 05 23 00-0408 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	1,232.23	30.92
23 05 23 00-0409 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	1,422.16	33.39
23 05 23 00-0410 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,572.47	42.04
23 05 23 00-0411 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,797.63	48.22
23 05 23 00-0412 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	2,357.60	56.88
23 05 23 00-0413 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,742.34	76.30
23 05 23 00-0414 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	3,298.26	87.69
23 05 23 00-0415 Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0398)		
Note: Includes arm, ball and bracket.		
23 05 23 00-0416 Brass Body Threaded Ends (23 05 23 00-0415)		
23 05 23 00-0417 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	243.91	33.51
23 05 23 00-0418 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	275.66	37.22
23 05 23 00-0419 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	340.72	41.18
23 05 23 00-0420 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	544.72	66.53
23 05 23 00-0421 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	571.41	75.80
23 05 23 00-0422 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	644.62	93.97
23 05 23 00-0423 Cast Iron Body Flanged (23 05 23 00-0415)		
23 05 23 00-0424 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	7,686.53	165.14
23 05 23 00-0425 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	9,293.89	193.61
23 05 23 00-0426 Float Operated Valves (23 05 23 00-0398)		
23 05 23 00-0427 For Condensate Receivers Tanks And Vessels (23 05 23 00-0426)		
Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0428 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	860.97	58.12
23 05 23 00-0429 For Condensate Receivers Tanks And Vessels (23 05 23 00-0426)		
Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0430 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,086.76	108.19
23 05 23 00-0431 Needle Valves (23 05 23)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0432 Bronze Needle Valve <small>(23 05 23 00-0431)</small>		
Note: For heating and cooling applications.		
23 05 23 00-0433 EA 1/4" Needle Valve, Bronze	119.85	12.37
23 05 23 00-0434 EA 3/8" Needle Valve, Bronze	133.56	12.37
23 05 23 00-0435 EA 1/2" Needle Valve, Bronze	146.02	12.37
23 05 23 00-0436 EA 3/4" Needle Valve, Bronze	221.41	13.60
23 05 23 00-0437 EA 1" Needle Valve, Bronze	338.54	15.46
23 05 23 00-0438 Eccentric Valves With Taps <small>(23 05 23)</small>		
23 05 23 00-0439 Screwed Eccentric Valves With Taps <small>(23 05 23 00-0438)</small>		
23 05 23 00-0440 EA 1/2" Diameter Eccentric Valves With Taps, Screwed	536.05	12.37
23 05 23 00-0441 EA 3/4" Diameter Eccentric Valves With Taps, Screwed	557.57	13.60
23 05 23 00-0442 EA 1" Diameter Eccentric Valves With Taps, Screwed	706.29	15.46
23 05 23 00-0443 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed	853.40	16.45
23 05 23 00-0444 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed	927.15	19.04
23 05 23 00-0445 EA 2" Diameter Eccentric Valves With Taps, Screwed	1,089.48	22.51
23 05 23 00-0446 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed	1,663.26	30.41
23 05 23 00-0447 EA 3" Diameter Eccentric Valves With Taps, Screwed	2,030.12	35.30
23 05 23 00-0448 Flanged Eccentric Valves With Taps <small>(23 05 23 00-0438)</small>		
23 05 23 00-0449 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged	2,000.91	165.14
23 05 23 00-0450 EA 3" Diameter Eccentric Valves With Taps, Flanged	2,379.65	193.61
23 05 23 00-0451 EA 4" Diameter Eccentric Valves With Taps, Flanged	3,116.58	324.58
23 05 23 00-0452 EA 5" Diameter Eccentric Valves With Taps, Flanged	4,250.45	347.54
23 05 23 00-0453 EA 6" Diameter Eccentric Valves With Taps, Flanged	5,446.11	386.16
23 05 23 00-0454 EA 8" Diameter Eccentric Valves With Taps, Flanged	9,582.15	493.43
23 05 23 00-0455 EA 10" Diameter Eccentric Valves With Taps, Flanged	13,536.74	600.70
23 05 23 00-0456 EA 12" Diameter Eccentric Valves With Taps, Flanged	23,619.40	729.41
23 05 23 00-0457 Check Valves <small>(23 05 23)</small>		
23 05 23 00-0458 Iron Body Wafer Type Check Valve <small>(23 05 23 00-0457)</small>		
23 05 23 00-0459 Single Disk Type <small>(23 05 23 00-0458)</small>		
23 05 23 00-0460 EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	489.71	164.93
For 150 LB Rating, Add	59.54	
For 200 LB Rating, Add	70.88	
For 300 LB Rating, Add	85.05	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	168.82	
23 05 23 00-0461 EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	578.67	165.26
For 150 LB Rating, Add	78.00	
For 200 LB Rating, Add	92.86	
For 300 LB Rating, Add	111.43	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	208.59	
23 05 23 00-0462 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	712.00	193.76
For 150 LB Rating, Add	98.60	
For 200 LB Rating, Add	117.38	
For 300 LB Rating, Add	140.85	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	259.78	
23 05 23 00-0463 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,042.95	324.83
For 150 LB Rating, Add	133.54	
For 200 LB Rating, Add	158.98	
For 300 LB Rating, Add	190.77	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	367.57	
23 05 23 00-0464 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,565.91	455.89
For 150 LB Rating, Add	209.17	
For 200 LB Rating, Add	249.01	
For 300 LB Rating, Add	298.81	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	562.19	
23 05 23 00-0465 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	2,181.52	524.28
For 150 LB Rating, Add	320.99	
For 200 LB Rating, Add	382.14	
For 300 LB Rating, Add	458.56	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	818.44	
23 05 23 00-0466 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	3,245.04	638.26
For 150 LB Rating, Add	512.69	
For 200 LB Rating, Add	610.35	
For 300 LB Rating, Add	732.41	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,259.35	
23 05 23 00-0467 Twin Disc Type <small>(23 05 23 00-0458)</small>		
23 05 23 00-0468 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	663.10	164.93
For 150 LB Rating, Add	95.95	
For 200 LB Rating, Add	114.22	
For 300 LB Rating, Add	137.07	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	246.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05	23 00-0469	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	755.55	165.26
			<i>For 150 LB Rating, Add</i>	115.15	
			<i>For 200 LB Rating, Add</i>	137.08	
			<i>For 300 LB Rating, Add</i>	164.50	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	288.19	
23 05	23 00-0470	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	882.26	193.76
			<i>For 150 LB Rating, Add</i>	134.35	
			<i>For 200 LB Rating, Add</i>	159.94	
			<i>For 300 LB Rating, Add</i>	191.93	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	336.39	
23 05	23 00-0471	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,219.50	324.83
			<i>For 150 LB Rating, Add</i>	170.61	
			<i>For 200 LB Rating, Add</i>	203.11	
			<i>For 300 LB Rating, Add</i>	243.74	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	447.01	
23 05	23 00-0472	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,879.97	455.89
			<i>For 150 LB Rating, Add</i>	275.12	
			<i>For 200 LB Rating, Add</i>	327.53	
			<i>For 300 LB Rating, Add</i>	393.03	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	703.52	
23 05	23 00-0473	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,652.03	524.28
			<i>For 150 LB Rating, Add</i>	420.16	
			<i>For 200 LB Rating, Add</i>	500.19	
			<i>For 300 LB Rating, Add</i>	600.23	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,030.59	
23 05	23 00-0474	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,966.72	626.86
			<i>For 150 LB Rating, Add</i>	665.40	
			<i>For 200 LB Rating, Add</i>	792.15	
			<i>For 300 LB Rating, Add</i>	950.57	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,585.49	
23 05	23 00-0475	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	5,211.09	775.02
			<i>For 150 LB Rating, Add</i>	891.49	
			<i>For 200 LB Rating, Add</i>	1,061.30	
			<i>For 300 LB Rating, Add</i>	1,273.56	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	2,103.52	
23 05	23 00-0476	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	9,838.75	904.72
			<i>For 150 LB Rating, Add</i>	1,812.82	
			<i>For 200 LB Rating, Add</i>	2,158.12	
			<i>For 300 LB Rating, Add</i>	2,589.74	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	4,125.87	
23 05	23 00-0477	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	13,513.94	1,061.53
			<i>For 150 LB Rating, Add</i>	2,559.27	
			<i>For 200 LB Rating, Add</i>	3,046.76	
			<i>For 300 LB Rating, Add</i>	3,656.11	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	5,749.54	
23 05	23 00-0478	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	18,021.22	1,182.17
			<i>For 150 LB Rating, Add</i>	3,474.84	
			<i>For 200 LB Rating, Add</i>	4,136.72	
			<i>For 300 LB Rating, Add</i>	4,964.06	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	7,740.96	
23 05	23 00-0479	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	21,446.64	1,326.92
			<i>For 150 LB Rating, Add</i>	4,155.48	
			<i>For 200 LB Rating, Add</i>	4,947.00	
			<i>For 300 LB Rating, Add</i>	5,936.40	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	9,236.33	
23 05	23 00-0480	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	28,042.16	1,628.49
			<i>For 150 LB Rating, Add</i>	5,460.16	
			<i>For 200 LB Rating, Add</i>	6,500.19	
			<i>For 300 LB Rating, Add</i>	7,800.23	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	12,108.62	
23 05	23 00-0481		Lift Check Valves (23 05 23 00-0457)		
23 05	23 00-0482		Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0481)		
			Note: Watts #600 series.		
23 05	23 00-0483	EA	3/8" Lift Check Valve, Bronze, Threaded.....	123.36	12.37
23 05	23 00-0484	EA	1/2" Lift Check Valve, Bronze, Threaded.....	130.51	12.37
23 05	23 00-0485	EA	3/4" Lift Check Valve, Bronze, Threaded.....	166.65	12.98
23 05	23 00-0486	EA	1" Lift Check Valve, Bronze, Threaded.....	219.14	12.98
23 05	23 00-0487	EA	1-1/4" Lift Check Valve, Bronze, Threaded.....	303.24	16.45
23 05	23 00-0488	EA	1-1/2" Lift Check Valve, Bronze, Threaded.....	368.52	19.04
23 05	23 00-0489	EA	2" Lift Check Valve, Bronze, Threaded.....	523.50	22.51
23 05	23 00-0490		Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0481)		
			Note: Crane 366E.		
23 05	23 00-0491	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	749.74	12.37
23 05	23 00-0492	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	911.12	12.98
23 05	23 00-0493	EA	1" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,632.34	12.98
23 05	23 00-0494	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,175.16	16.45
23 05	23 00-0495	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,363.02	19.04
23 05	23 00-0496	EA	2" Lift Check Valve, Bronze, Threaded, 300 LB.....	3,034.82	22.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0497			Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0481) Note: Mueller 105MAP.		
23 05 23 00-0498	EA		2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,105.95	164.83
23 05 23 00-0499	EA		2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,651.20	165.14
23 05 23 00-0500	EA		3" Lift Check Valve, Iron Body, Flanged, 125 LB	1,799.41	193.61
23 05 23 00-0501	EA		4" Lift Check Valve, Iron Body, Flanged, 125 LB	2,499.25	324.58
23 05 23 00-0502	EA		5" Lift Check Valve, Iron Body, Flanged, 125 LB	3,125.55	347.54
23 05 23 00-0503	EA		6" Lift Check Valve, Iron Body, Flanged, 125 LB	3,856.52	386.16
23 05 23 00-0504	EA		8" Lift Check Valve, Iron Body, Flanged, 125 LB	6,784.88	493.43
23 05 23 00-0505	EA		10" Lift Check Valve, Iron Body, Flanged, 125 LB	8,521.64	600.70
23 05 23 00-0506	EA		12" Lift Check Valve, Iron Body, Flanged, 125 LB	13,838.53	729.41
23 05 23 00-0507	EA		14" Lift Check Valve, Iron Body, Flanged, 125 LB	18,899.41	1,027.99
23 05 23 00-0508	EA		16" Lift Check Valve, Iron Body, Flanged, 125 LB	20,943.59	1,130.79
23 05 23 00-0509			Bronze Body Swing Check Valves (23 05 23 00-0487)		
23 05 23 00-0510			Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0509)		
23 05 23 00-0511	EA		1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	84.75	12.37
			For 300 LB Rating, Add	17.50	
			For Work In Restricted Working Space, Add	11.96	
23 05 23 00-0512	EA		1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	80.88	12.37
			For 300 LB Rating, Add	17.50	
			For Work In Restricted Working Space, Add	10.80	
23 05 23 00-0513	EA		3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	82.77	12.37
			For 300 LB Rating, Add	17.50	
			For Work In Restricted Working Space, Add	11.37	
23 05 23 00-0514	EA		1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	86.50	12.37
			For 300 LB Rating, Add	18.18	
			For Work In Restricted Working Space, Add	11.96	
23 05 23 00-0515	EA		3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	110.26	12.98
			For 300 LB Rating, Add	22.03	
			For Work In Restricted Working Space, Add	16.13	
23 05 23 00-0516	EA		1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	141.80	12.98
			For 300 LB Rating, Add	29.92	
			For Work In Restricted Working Space, Add	19.53	
23 05 23 00-0517	EA		1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	190.10	16.45
			For 300 LB Rating, Add	41.99	
			For Work In Restricted Working Space, Add	24.73	
23 05 23 00-0518	EA		1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	245.89	19.04
			For 300 LB Rating, Add	58.80	
			For Work In Restricted Working Space, Add	28.53	
23 05 23 00-0519	EA		2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	306.27	22.51
			For 300 LB Rating, Add	75.61	
			For Work In Restricted Working Space, Add	33.72	
23 05 23 00-0520	EA		2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	597.50	30.41
			For 300 LB Rating, Add	173.80	
			For Work In Restricted Working Space, Add	45.56	
23 05 23 00-0521	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	809.03	35.30
			For 300 LB Rating, Add	247.19	
			For Work In Restricted Working Space, Add	52.56	
23 05 23 00-0522	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	916.54	39.86
			For 300 LB Rating, Add	279.72	
			For Work In Restricted Working Space, Add	59.79	
23 05 23 00-0523			125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0457)		
23 05 23 00-0524	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	528.36	92.74
			For 150 LB Rating, Add	279.96	
			For 250 LB Rating, Add	535.22	
			For Work In Restricted Working Space, Add	35.00	
23 05 23 00-0525	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	587.98	108.20
			For 150 LB Rating, Add	308.43	
			For 250 LB Rating, Add	589.65	
			For Work In Restricted Working Space, Add	40.32	
23 05 23 00-0526	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	654.66	129.84
			For 150 LB Rating, Add	334.53	
			For 250 LB Rating, Add	639.55	
			For Work In Restricted Working Space, Add	48.81	
23 05 23 00-0527	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	817.10	164.83
			For 150 LB Rating, Add	415.49	
			For 250 LB Rating, Add	794.31	
			For Work In Restricted Working Space, Add	61.83	
23 05 23 00-0528	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	920.15	165.14
			For 150 LB Rating, Add	484.89	
			For 250 LB Rating, Add	927.00	
			For Work In Restricted Working Space, Add	62.12	
23 05 23 00-0529	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,017.22	193.61
			For 150 LB Rating, Add	526.94	
			For 250 LB Rating, Add	1,007.38	
			For Work In Restricted Working Space, Add	72.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0530	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	1,604.31	324.58
			<i>For 150 LB Rating, Add</i>	814.35	
			<i>For 250 LB Rating, Add</i>	1,556.84	
			<i>For Work In Restricted Working Space, Add</i>	122.02	
23 05 23 00-0531	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	2,192.04	347.54
			<i>For 150 LB Rating, Add</i>	1,195.62	
			<i>For 250 LB Rating, Add</i>	2,285.75	
			<i>For Work In Restricted Working Space, Add</i>	130.13	
23 05 23 00-0532	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	2,523.06	386.16
			<i>For 150 LB Rating, Add</i>	1,386.27	
			<i>For 250 LB Rating, Add</i>	2,650.22	
			<i>For Work In Restricted Working Space, Add</i>	145.33	
23 05 23 00-0533	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	5,702.66	493.43
			<i>For 150 LB Rating, Add</i>	3,461.00	
			<i>For 250 LB Rating, Add</i>	6,616.62	
			<i>For Work In Restricted Working Space, Add</i>	183.89	
23 05 23 00-0534	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	7,679.04	600.70
			<i>For 150 LB Rating, Add</i>	4,711.16	
			<i>For 250 LB Rating, Add</i>	9,006.63	
			<i>For Work In Restricted Working Space, Add</i>	225.26	
23 05 23 00-0535	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	11,714.32	729.41
			<i>For 150 LB Rating, Add</i>	7,346.84	
			<i>For 250 LB Rating, Add</i>	14,045.42	
			<i>For Work In Restricted Working Space, Add</i>	273.05	
23 05 23 00-0536	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	13,516.78	1,027.99
			<i>For 150 LB Rating, Add</i>	8,317.62	
			<i>For 250 LB Rating, Add</i>	15,901.34	
			<i>For Work In Restricted Working Space, Add</i>	385.49	
23 05 23 00-0537	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	19,229.01	1,130.79
			<i>For 150 LB Rating, Add</i>	12,114.56	
			<i>For 250 LB Rating, Add</i>	23,160.19	
			<i>For Work In Restricted Working Space, Add</i>	424.04	
23 05 23 00-0538	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	29,568.69	1,254.15
			<i>For 150 LB Rating, Add</i>	19,040.69	
			<i>For 250 LB Rating, Add</i>	36,401.31	
			<i>For Work In Restricted Working Space, Add</i>	470.30	
23 05 23 00-0539	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	40,739.57	1,413.48
			<i>For 150 LB Rating, Add</i>	26,501.44	
			<i>For 250 LB Rating, Add</i>	50,664.52	
			<i>For Work In Restricted Working Space, Add</i>	530.06	
23 05 23 00-0540	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	56,727.76	1,734.73
			<i>For 150 LB Rating, Add</i>	37,100.36	
			<i>For 250 LB Rating, Add</i>	70,927.16	
			<i>For Work In Restricted Working Space, Add</i>	650.52	
23 05 23 00-0541			Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston		
			Check, Swing Check Valves <small>(23 05 23 00-0457)</small>		
			Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0542	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve.....	195.25	12.37
			<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 23 00-0543	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve.....	230.18	13.60
			<i>For Work In Restricted Working Space, Add</i>	16.13	
23 05 23 00-0544	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve.....	272.25	15.46
			<i>For Work In Restricted Working Space, Add</i>	19.53	
23 05 23 00-0545	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve.....	421.23	16.45
			<i>For Work In Restricted Working Space, Add</i>	24.73	
23 05 23 00-0546	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve.....	499.73	19.04
			<i>For Work In Restricted Working Space, Add</i>	28.53	
23 05 23 00-0547	EA		2" Class 800, Threaded, Forged Steel Swing Check Valve.....	675.64	22.51
			<i>For Work In Restricted Working Space, Add</i>	33.72	
23 05 23 00-0548			Plastic Check Valve <small>(23 05 23 00-0457)</small>		
23 05 23 00-0549			Polyvinyl Chloride (PVC) Check Valve <small>(23 05 23 00-0548)</small>		
23 05 23 00-0550			Polyvinyl Chloride (PVC) "Y" Check Valve <small>(23 05 23 00-0549)</small>		
23 05 23 00-0551	EA		1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	97.90	12.37
23 05 23 00-0552	EA		3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	116.07	13.60
23 05 23 00-0553	EA		1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	133.47	15.46
23 05 23 00-0554	EA		1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	189.92	16.45
23 05 23 00-0555	EA		1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	211.56	19.04
23 05 23 00-0556	EA		2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	352.38	20.72
23 05 23 00-0557	EA		2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	439.49	30.41
23 05 23 00-0558	EA		3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	481.76	35.30
23 05 23 00-0559	EA		4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	700.92	39.86
23 05 23 00-0560	EA		3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged.....	672.27	193.61
23 05 23 00-0561			Polyvinyl Chloride (PVC) True Union Ball Check Valve <small>(23 05 23 00-0549)</small>		
23 05 23 00-0562			Valves <small>(23 05 23 00-0561)</small>		
23 05 23 00-0563	EA		1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	74.71	12.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0564 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	93.58	13.60
23 05 23 00-0565 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	114.85	15.46
23 05 23 00-0566 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	148.78	16.45
23 05 23 00-0567 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	174.73	19.04
23 05 23 00-0568 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	256.73	22.51
23 05 23 00-0569 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	418.92	30.41
23 05 23 00-0570 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	711.00	35.30
23 05 23 00-0571 Foot Valve Screen <small>(23 05 23 00-0561)</small>		
Note: For use with PVC true union ball check valves above.		
23 05 23 00-0572 EA 1/2" Foot Valve Screen Option	59.16	
23 05 23 00-0573 EA 3/4" Foot Valve Screen Option	70.74	
23 05 23 00-0574 EA 1" Foot Valve Screen Option	81.97	
23 05 23 00-0575 EA 1-1/4" Foot Valve Screen Option	123.75	
23 05 23 00-0576 EA 1-1/2" Foot Valve Screen Option	136.92	
23 05 23 00-0577 EA 2" Foot Valve Screen Option	148.15	
23 05 23 00-0578 EA 2-1/2" Foot Valve Screen Option	176.76	
23 05 23 00-0579 EA 3" Foot Valve Screen Option	205.38	
23 05 23 00-0580 EA 4" Foot Valve Screen Option	249.26	
23 05 23 00-0581 Hayward "True Check" With VITON Seals <small>(23 05 23 00-0561)</small>		
23 05 23 00-0582 EA 1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	67.53	12.37
23 05 23 00-0583 EA 3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	69.42	12.37
23 05 23 00-0584 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	75.54	12.37
23 05 23 00-0585 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	93.50	13.60
23 05 23 00-0586 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	116.02	15.46
23 05 23 00-0587 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	148.70	16.45
23 05 23 00-0588 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	179.71	19.04
23 05 23 00-0589 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	225.21	22.51
23 05 23 00-0590 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	413.94	30.41
23 05 23 00-0591 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	453.89	35.30
23 05 23 00-0592 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	714.36	39.86
23 05 23 00-0593 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals <small>(23 05 23 00-0561)</small>		
23 05 23 00-0594 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	71.40	12.37
23 05 23 00-0595 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	89.43	13.60
23 05 23 00-0596 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	110.38	15.46
23 05 23 00-0597 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	142.56	16.45
23 05 23 00-0598 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	168.43	19.04
23 05 23 00-0599 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	215.26	22.51
23 05 23 00-0600 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	399.01	30.41
23 05 23 00-0601 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	441.45	35.30
23 05 23 00-0602 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded	695.28	39.86
23 05 23 00-0603 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged <small>(23 05 23 00-0549)</small>		
23 05 23 00-0604 EA 1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	350.66	74.19
23 05 23 00-0605 EA 1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	382.21	86.56
23 05 23 00-0606 EA 1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	420.43	108.20
23 05 23 00-0607 EA 2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	512.84	136.02
23 05 23 00-0608 EA 2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	616.83	136.77
23 05 23 00-0609 EA 3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	841.31	159.56
23 05 23 00-0610 EA 4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,164.87	270.69
23 05 23 00-0611 EA 6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,914.73	455.89
23 05 23 00-0612 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections <small>(23 05 23 00-0548)</small>		
23 05 23 00-0613 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	86.47	12.37
For Work In Restricted Working Space, Add	11.96	
23 05 23 00-0614 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	100.36	13.60
For Work In Restricted Working Space, Add	16.13	
23 05 23 00-0615 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	113.51	15.46
For Work In Restricted Working Space, Add	19.53	
23 05 23 00-0616 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	132.86	16.45
For Work In Restricted Working Space, Add	24.73	
23 05 23 00-0617 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	148.46	19.04
For Work In Restricted Working Space, Add	28.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0618	EA		2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	195.35 33.72	22.51
23 05 23 00-0619	EA		2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	269.93 45.56	30.41
23 05 23 00-0620	EA		3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	328.44 52.56	35.30
23 05 23 00-0621			Polyvinyl Chloride (PVC) Body, Swing Check Valves <small>(23 05 23 00-0548)</small>		
23 05 23 00-0622			Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals <small>(23 05 23 00-0621)</small>		
23 05 23 00-0623	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	666.18 61.01	159.44
23 05 23 00-0624	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	852.51 100.49	270.48
23 05 23 00-0625	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	1,352.37 132.51	321.80
23 05 23 00-0626	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals <i>For Work In Restricted Working Space, Add</i>	1,802.41 150.17	407.61
23 05 23 00-0627			Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals <small>(23 05 23 00-0621)</small>		
23 05 23 00-0628	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	785.61 61.01	159.44
23 05 23 00-0629	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	1,116.25 100.49	270.48
23 05 23 00-0630	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	1,602.19 132.51	321.80
23 05 23 00-0631	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals <i>For Work In Restricted Working Space, Add</i>	2,100.99 150.17	407.61
23 05 23 00-0632			Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights <small>(23 05 23 00-0621)</small>		
23 05 23 00-0633	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	817.13 61.01	159.44
23 05 23 00-0634	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,118.74 100.49	270.48
23 05 23 00-0635	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,491.71 132.51	321.80
23 05 23 00-0636	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,917.20 150.17	407.61
23 05 23 00-0637			Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights <small>(23 05 23 00-0621)</small>		
23 05 23 00-0638	EA		3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	916.65 61.01	159.44
23 05 23 00-0639	EA		4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,263.89 100.49	270.48
23 05 23 00-0640	EA		6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	1,699.06 132.51	321.80
23 05 23 00-0641	EA		8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights <i>For Work In Restricted Working Space, Add</i>	2,166.02 150.17	407.61
23 05 23 00-0642			Diaphragm Valves <small>(23 05 23)</small>		
23 05 23 00-0643			Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0642)</small>		
23 05 23 00-0644	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	289.65	37.01
23 05 23 00-0645	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	371.48	41.00
23 05 23 00-0646	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	402.64	50.68
23 05 23 00-0647	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	639.33	75.74
23 05 23 00-0648	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,030.19	91.11
23 05 23 00-0649			Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0642)</small>		
23 05 23 00-0650	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	380.80	59.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0651 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	445.06	61.82
23 05 23 00-0652 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	523.62	92.74
23 05 23 00-0653 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	795.74	129.84
23 05 23 00-0654 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,278.42	164.83
23 05 23 00-0655 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,646.03	165.14
23 05 23 00-0656 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,047.82	193.61
23 05 23 00-0657 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,885.28	324.58
23 05 23 00-0658 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	6,037.26	386.16
23 05 23 00-0659 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	9,418.38	493.43
23 05 23 00-0660 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0642)		
23 05 23 00-0661 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	177.38	37.01
23 05 23 00-0662 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	232.60	41.00
23 05 23 00-0663 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	263.76	50.68
23 05 23 00-0664 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	450.21	75.74
23 05 23 00-0665 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	589.92	91.11
23 05 23 00-0666 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0642)		
23 05 23 00-0667 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	251.83	59.35
23 05 23 00-0668 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	293.28	61.82
23 05 23 00-0669 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	371.82	92.74
23 05 23 00-0670 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	589.05	129.84
23 05 23 00-0671 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	797.15	164.83
23 05 23 00-0672 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	977.69	165.14
23 05 23 00-0673 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,191.91	193.61
23 05 23 00-0674 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,876.35	324.58
23 05 23 00-0675 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	3,776.90	386.16
23 05 23 00-0676 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	5,833.25	493.43
23 05 23 00-0677 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0642)		
23 05 23 00-0678 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	477.90	92.74
23 05 23 00-0679 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	778.95	129.84
23 05 23 00-0680 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,050.76	164.83
23 05 23 00-0681 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,524.53	165.14
23 05 23 00-0682 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,681.94	193.61
23 05 23 00-0683 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,632.60	324.58
23 05 23 00-0684 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	5,318.63	386.16
23 05 23 00-0685 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	11,141.89	493.43
23 05 23 00-0686 Solenoid Valves (23 05 23)		
23 05 23 00-0687 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0686)		
23 05 23 00-0688 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	137.92	12.37
23 05 23 00-0689 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	160.04	12.37
23 05 23 00-0690 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	204.88	13.60
23 05 23 00-0691 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	301.77	15.46
23 05 23 00-0692 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	532.05	19.04
23 05 23 00-0693 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	832.81	22.51
23 05 23 00-0694 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	1,134.35	30.41
23 05 23 00-0695 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	1,645.17	35.30

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 23 00-0696		Flow Control Valves And Meters <small>(23 05 23)</small>			
23 05 23 00-0697		Conditioned Water Balancing Valves <small>(23 05 23 00-0696)</small>			
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.					
23 05 23 00-0698	EA		1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	177.46	63.10
23 05 23 00-0699	EA		3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	212.92	84.14
23 05 23 00-0700	EA		1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,364.13	96.14
23 05 23 00-0701	EA		1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,469.09	118.78
23 05 23 00-0702	EA		1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,572.97	126.19
23 05 23 00-0703	EA		2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,682.84	144.26
23 05 23 00-0704	EA		2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,988.58	251.20
23 05 23 00-0705	EA		3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,882.39	287.10
23 05 23 00-0706	EA		3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,591.98	193.76
23 05 23 00-0707	EA		4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,603.69	324.83
23 05 23 00-0708	EA		6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	5,610.92	410.31
23 05 23 00-0709	EA		8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,566.46	524.28
23 05 23 00-0710	EA		10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	10,795.25	638.26

23 05 23 00-0711		Read Out Meters <small>(23 05 23 00-0696)</small>			
Note: For use with conditioned portable water balancing valves.					
23 05 23 00-0712	EA		0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,338.74	
23 05 23 00-0713	EA		0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,811.71	
23 05 23 00-0714	EA		0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,811.71	
23 05 23 00-0715	EA		0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,811.71	

23 05 23 00-0716		Balancing Valves <small>(23 05 23)</small>			
23 05 23 00-0717		Balancing Valves With Lever <small>(23 05 23 00-0716)</small>			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0718	EA		1/2" Threaded Balancing Valve With Lever	346.72	38.98
23 05 23 00-0719	EA		3/4" Threaded Balancing Valve With Lever	379.40	51.34
23 05 23 00-0720	EA		1" Threaded Balancing Valve With Lever	608.21	58.77
23 05 23 00-0721	EA		1-1/4" Threaded Balancing Valve With Lever	655.12	72.99
23 05 23 00-0722	EA		1-1/2" Threaded Balancing Valve With Lever	688.01	77.33
23 05 23 00-0723	EA		2" Threaded Balancing Valve With Lever	844.58	88.46
23 05 23 00-0724	EA		2-1/2" Flanged Balancing Valve With Lever	1,132.70	165.26
23 05 23 00-0725	EA		3" Flanged Balancing Valve With Lever	1,137.46	193.76
23 05 23 00-0726	EA		4" Flanged Balancing Valve With Lever	1,424.05	324.83
23 05 23 00-0727	EA		5" Flanged Balancing Valve With Lever	4,229.44	369.28
23 05 23 00-0728	EA		6" Flanged Balancing Valve With Lever	2,091.07	410.31
23 05 23 00-0729	EA		8" Flanged Balancing Valve With Lever	2,765.51	524.28

23 05 23 00-0730		Balancing Valves With Nut <small>(23 05 23 00-0716)</small>			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0731	EA		4" Flanged Balancing Valve With Nut	1,424.05	324.83
23 05 23 00-0732	EA		5" Flanged Balancing Valve With Nut	4,229.44	369.28
23 05 23 00-0733	EA		6" Flanged Balancing Valve With Nut	2,091.07	410.31
23 05 23 00-0734	EA		8" Flanged Balancing Valve With Nut	2,765.51	524.28

23 05 23 00-0735		Balancing Valves With Hand Wheel <small>(23 05 23 00-0716)</small>			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0736	EA		4" Flanged Balancing Valve With Hand Wheel	1,938.20	324.83
23 05 23 00-0737	EA		5" Flanged Balancing Valve With Hand Wheel	4,772.97	369.28
23 05 23 00-0738	EA		6" Flanged Balancing Valve With Hand Wheel	2,635.73	410.31
23 05 23 00-0739	EA		8" Flanged Balancing Valve With Hand Wheel	3,731.66	524.28
23 05 23 00-0740	EA		10" Flanged Balancing Valve With Hand Wheel	5,739.31	638.26
23 05 23 00-0741	EA		12" Flanged Balancing Valve With Hand Wheel	7,506.35	511.82
23 05 23 00-0742	EA		14" Flanged Balancing Valve With Hand Wheel	9,814.63	965.03

23 05 23 00-0743		Balancing Valves With Chain Wheel <small>(23 05 23 00-0716)</small>			
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0744	EA		4" Flanged Balancing Valve With Chain Wheel	2,233.13	324.83
23 05 23 00-0745	EA		5" Flanged Balancing Valve With Chain Wheel	5,063.38	369.28
23 05 23 00-0746	EA		6" Flanged Balancing Valve With Chain Wheel	2,925.01	410.31
23 05 23 00-0747	EA		8" Flanged Balancing Valve With Chain Wheel	4,087.61	524.28
23 05 23 00-0748	EA		10" Flanged Balancing Valve With Chain Wheel	6,085.09	638.26
23 05 23 00-0749	EA		12" Flanged Balancing Valve With Chain Wheel	8,151.90	511.46
23 05 23 00-0750	EA		14" Flanged Balancing Valve With Chain Wheel	10,398.84	965.03

23 05 23 00-0751		Calibrated Balancing Valves <small>(23 05 23 00-0716)</small>			
Note: Bell & Gossett CB Series.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0752 EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	145.28	12.38
23 05 23 00-0753 EA 3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	170.98	13.61
23 05 23 00-0754 EA 1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	193.57	15.47
23 05 23 00-0755 EA 1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	270.30	16.46
23 05 23 00-0756 EA 1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S)	317.22	19.05
23 05 23 00-0757 EA 2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S)	424.96	22.52
23 05 23 00-0758 EA 1" Threaded Calibrated Balancing Valve (CB-1)	221.88	15.47
23 05 23 00-0759 EA 1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	302.02	16.46
23 05 23 00-0760 EA 1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	338.25	19.05
23 05 23 00-0761 EA 2" Threaded Calibrated Balancing Valve (CB-2)	454.52	22.52
23 05 23 00-0762 EA 2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	640.51	33.04
23 05 23 00-0763 EA 3" Threaded Calibrated Balancing Valve (CB-3)	1,111.74	38.35
23 05 23 00-0764 EA 2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	1,051.49	179.39
23 05 23 00-0765 EA 3" Flanged Calibrated Balancing Valve (CB-3F)	1,820.36	210.33
23 05 23 00-0766 EA 4" Flanged Calibrated Balancing Valve (CB-4F)	2,734.58	352.62
23 05 23 00-0767 EA 5" Flanged Calibrated Balancing Valve (CB-5F)	3,767.74	400.87
23 05 23 00-0768 EA 6" Flanged Calibrated Balancing Valve (CB-6F)	4,768.84	445.40
23 05 23 00-0769 EA 8" Flanged Calibrated Balancing Valve (CB-8F)	7,540.55	569.13
23 05 23 00-0770 EA 10" Flanged Calibrated Balancing Valve (CB-10F)	12,360.08	675.52
23 05 23 00-0771 EA 12" Flanged Calibrated Balancing Valve (CB-12F)	26,067.32	820.27
23 05 23 00-0772 EA 4" Grooved Calibrated Balancing Valve (CB-4G)	3,115.20	42.60
23 05 23 00-0773 EA 5" Grooved Calibrated Balancing Valve (CB-5G)	3,613.56	54.70
23 05 23 00-0774 EA 6" Grooved Calibrated Balancing Valve (CB-6G)	4,782.92	70.15
23 05 23 00-0775 EA 8" Grooved Calibrated Balancing Valve (CB-8G)	8,968.67	89.04
23 05 23 00-0776 EA 10" Grooved Calibrated Balancing Valve (CB-10G)	14,312.28	99.76
23 05 23 00-0777 EA 12" Grooved Calibrated Balancing Valve (CB-12G)	29,503.05	121.64

23 05 23 00-0778 Butterfly Valves (23 05 23)

23 05 23 00-0779 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-0778)

Note: With on-off handle

23 05 23 00-0780 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	443.71	164.83
For 200 PSI, Add	114.06	
For 175 PSI, Add	41.58	
For Work In Restricted Working Space, Add	61.83	
23 05 23 00-0781 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	458.50	165.14
For 200 PSI, Add	120.69	
For 175 PSI, Add	44.00	
For Work In Restricted Working Space, Add	62.12	
23 05 23 00-0782 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	513.08	193.61
For 200 PSI, Add	129.97	
For 175 PSI, Add	47.38	
For Work In Restricted Working Space, Add	72.69	
23 05 23 00-0783 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	746.59	324.58
For 200 PSI, Add	163.13	
For 175 PSI, Add	59.47	
For Work In Restricted Working Space, Add	122.02	
23 05 23 00-0784 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	967.95	386.16
For 200 PSI, Add	232.09	
For 175 PSI, Add	84.62	
For Work In Restricted Working Space, Add	145.33	
23 05 23 00-0785 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,127.61	429.07
For 200 PSI, Add	283.81	
For 175 PSI, Add	103.47	
For Work In Restricted Working Space, Add	160.90	
23 05 23 00-0786 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,502.64	493.43
For 200 PSI, Add	427.05	
For 175 PSI, Add	155.70	
For Work In Restricted Working Space, Add	183.89	
23 05 23 00-0787 EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	2,474.97	600.70
For 200 PSI, Add	827.57	
For 175 PSI, Add	301.72	
For Work In Restricted Working Space, Add	225.26	
23 05 23 00-0788 EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	3,106.73	729.41
For 200 PSI, Add	1,054.36	
For 175 PSI, Add	384.40	
For Work In Restricted Working Space, Add	273.05	

23 05 23 00-0789 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves (23 05 23 00-0778)

23 05 23 00-0790 EA 2" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve	858.16	164.83
For Work In Restricted Working Space, Add	61.83	
23 05 23 00-0791 EA 2-1/2" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve	864.66	165.14
For Work In Restricted Working Space, Add	62.12	
23 05 23 00-0792 EA 3" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve	933.06	193.61
For Work In Restricted Working Space, Add	72.69	
23 05 23 00-0793 EA 4" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve	1,185.91	324.58
For Work In Restricted Working Space, Add	122.02	
23 05 23 00-0794 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,454.24	386.16
For Work In Restricted Working Space, Add	145.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0795 EA 6" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,610.98 160.90	429.07
23 05 23 00-0796 EA 8" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	2,005.50 183.89	493.43
23 05 23 00-0797 EA 10" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	2,549.57 225.26	600.70
23 05 23 00-0798 EA 12" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	3,523.95 273.05	729.41
23 05 23 00-0799 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves (23 05 23 00-0778)		
23 05 23 00-0800 EA 14" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,950.92 1,679.74 583.24 385.49	963.74
23 05 23 00-0801 EA 16" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,682.10 2,256.70 783.58 424.04	1,130.79
23 05 23 00-0802 EA 18" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,884.15 3,352.90 1,164.20 471.16	1,259.28
23 05 23 00-0803 EA 20" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	14,085.24 4,434.62 1,539.80 530.06	1,413.48
23 05 23 00-0804 EA 24" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	18,994.35 6,055.11 2,102.47 652.38	1,734.73
23 05 23 00-0805 EA 30" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	39,592.40 12,997.79 4,513.12 1,046.23	2,740.11
23 05 23 00-0806 EA 36" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	50,233.07 16,514.57 5,734.23 1,307.78	3,736.52
23 05 23 00-0807 EA 42" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	60,247.09 19,274.58 6,692.56 2,011.97	5,480.23
23 05 23 00-0808 EA 48" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	72,943.92 23,121.13 8,028.17 2,615.57	6,850.29
23 05 23 00-0809 EA 54" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	87,916.81 27,726.70 9,627.33 3,269.46	8,220.35
23 05 23 00-0810 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB (23 05 23 00-0778)		
Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0811 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	522.67 19.53	15.46
23 05 23 00-0812 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	568.94 24.73	16.45
23 05 23 00-0813 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	713.87 28.53	19.04
23 05 23 00-0814 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	895.40 33.72	22.51
23 05 23 00-0815 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	1,201.64 45.55	30.41
23 05 23 00-0816 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB (23 05 23 00-0778)		
Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0817 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	789.07 19.53	15.46
23 05 23 00-0818 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	852.47 24.73	16.45
23 05 23 00-0819 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	1,020.04 28.53	19.04
23 05 23 00-0820 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	1,221.51 33.72	22.51
23 05 23 00-0821 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	1,562.26 45.55	30.41



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 29 Hangers and Supports for HVAC Piping and Equipment (23 05)

23 05 29 00-0001 Hangers And Supports (23 05 29)

23 05 29 00-0002 Clevis Hangers (23 05 29 00-0001)

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) (23 05 29 00-0002)

Note: Type 1.

23 05 29 00-0004	EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	22.46	10.25
	For Work In Restricted Working Space, Add	6.15	
23 05 29 00-0005	EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	24.73	11.39
	For Work In Restricted Working Space, Add	6.83	
23 05 29 00-0006	EA 1" Steel Clevis Hanger (Cooper B-Line B3100).....	26.01	11.39
	For Work In Restricted Working Space, Add	7.19	
23 05 29 00-0007	EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100).....	26.96	12.33
	For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0008	EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	27.22	12.33
	For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0009	EA 2" Steel Clevis Hanger (Cooper B-Line B3100).....	28.40	12.53
	For Work In Restricted Working Space, Add	7.59	
23 05 29 00-0010	EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	31.06	12.98
	For Work In Restricted Working Space, Add	7.82	
23 05 29 00-0011	EA 3" Steel Clevis Hanger (Cooper B-Line B3100).....	33.10	13.67
	For Work In Restricted Working Space, Add	8.04	
23 05 29 00-0012	EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	34.62	15.01
	For Work In Restricted Working Space, Add	8.57	
23 05 29 00-0013	EA 4" Steel Clevis Hanger (Cooper B-Line B3100).....	37.96	15.94
	For Work In Restricted Working Space, Add	9.11	
23 05 29 00-0014	EA 5" Steel Clevis Hanger (Cooper B-Line B3100).....	48.65	19.08
	For Work In Restricted Working Space, Add	11.45	
23 05 29 00-0015	EA 6" Steel Clevis Hanger (Cooper B-Line B3100).....	58.53	22.77
	For Work In Restricted Working Space, Add	13.67	
23 05 29 00-0016	EA 8" Steel Clevis Hanger (Cooper B-Line B3100).....	78.43	28.47
	For Work In Restricted Working Space, Add	17.09	
23 05 29 00-0017	EA 10" Steel Clevis Hanger (Cooper B-Line B3100).....	114.20	38.72
	For Work In Restricted Working Space, Add	22.78	
23 05 29 00-0018	EA 12" Steel Clevis Hanger (Cooper B-Line B3100).....	133.65	42.71
	For Work In Restricted Working Space, Add	25.63	
23 05 29 00-0019	EA 14" Steel Clevis Hanger (Cooper B-Line B3100).....	165.89	47.83
	For Work In Restricted Working Space, Add	29.39	
23 05 29 00-0020	EA 16" Steel Clevis Hanger (Cooper B-Line B3100).....	206.11	56.95
	For Work In Restricted Working Space, Add	34.17	
23 05 29 00-0021	EA 18" Steel Clevis Hanger (Cooper B-Line B3100).....	256.90	71.18
	For Work In Restricted Working Space, Add	42.71	
23 05 29 00-0022	EA 20" Steel Clevis Hanger (Cooper B-Line B3100).....	411.52	85.42
	For Work In Restricted Working Space, Add	51.25	
23 05 29 00-0023	EA 24" Steel Clevis Hanger (Cooper B-Line B3100).....	624.46	99.65
	For Work In Restricted Working Space, Add	59.79	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)

23 05 29 00-0025	EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	27.65	10.25
	For Work In Restricted Working Space, Add	6.15	
23 05 29 00-0026	EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	29.92	11.39
	For Work In Restricted Working Space, Add	6.83	
23 05 29 00-0027	EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	31.31	11.39
	For Work In Restricted Working Space, Add	7.19	
23 05 29 00-0028	EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	32.38	12.33
	For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0029	EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	33.04	12.33
	For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0030	EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	33.90	12.53
	For Work In Restricted Working Space, Add	7.59	
23 05 29 00-0031	EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	37.77	12.98
	For Work In Restricted Working Space, Add	7.82	
23 05 29 00-0032	EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	39.59	13.67
	For Work In Restricted Working Space, Add	8.04	
23 05 29 00-0033	EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	44.41	15.94
	For Work In Restricted Working Space, Add	9.11	
23 05 29 00-0034	EA 4" Steel Hanger, Plastic Coated (Cooper B-Line B3100C).....	48.79	15.94
	For Work In Restricted Working Space, Add	9.11	
23 05 29 00-0035	EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	79.19	19.08
	For Work In Restricted Working Space, Add	11.45	
23 05 29 00-0036	EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	98.02	22.77
	For Work In Restricted Working Space, Add	13.67	
23 05 29 00-0037	EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C).....	116.93	28.47
	For Work In Restricted Working Space, Add	17.09	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)

23 05 29 00-0039	EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	22.27	10.25
	For Work In Restricted Working Space, Add	6.15	
23 05 29 00-0040	EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	24.58	11.39
	For Work In Restricted Working Space, Add	6.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 29 Hangers and Supports for HVAC Piping and Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	25.97 7.19	11.39
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.67 7.39	12.33
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.82 7.39	12.33
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	27.59 7.59	12.53
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	29.99 7.82	12.98
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	31.29 8.04	13.67
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	35.27 9.11	15.94
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	36.30 9.11	15.94
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)					
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	31.06 6.83	11.39
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	32.35 7.19	11.39
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	33.01 7.39	12.33
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	34.04 7.39	12.33
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	36.44 7.59	12.53
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	38.98 7.82	12.98
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	40.87 8.04	13.67
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	48.94 9.11	15.94
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	61.73 11.45	19.08
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	76.07 13.67	22.77
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	107.20 17.09	28.47
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	150.23 22.78	38.72
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	168.76 25.63	42.71
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)					
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	37.65 7.59	12.53
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	40.12 7.82	12.98
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	42.17 8.04	13.67
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	46.73 9.11	15.94
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	49.31 9.11	15.94
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	61.25 11.45	19.08
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	71.57 13.67	22.77
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	94.75 17.09	28.47
23 05 29 00-0072 Fiberglass Clevis Hanger (23 05 29 00-0002)					
23 05 29 00-0073	EA		1-1/2" Fiberglass Clevis Hanger (Cooper BFV3104).....	259.28	12.14
23 05 29 00-0074	EA		2" Fiberglass Clevis Hanger (Cooper BFV3104).....	265.26	12.64
23 05 29 00-0075	EA		2-1/2" Fiberglass Clevis Hanger (Cooper BFV3104).....	266.15	13.09
23 05 29 00-0076	EA		3" Fiberglass Clevis Hanger (Cooper BFV3104).....	305.09	13.44
23 05 29 00-0077	EA		4" Fiberglass Clevis Hanger (Cooper BFV3104).....	384.95	15.15
23 05 29 00-0078	EA		6" Fiberglass Clevis Hanger (Cooper BFV3104).....	505.30	22.77
23 05 29 00-0079	EA		8" Fiberglass Clevis Hanger (Cooper BFP3104).....	708.80	28.47
23 05 29 00-0080	EA		10" Fiberglass Clevis Hanger (Cooper BFP3104).....	828.97	37.92
23 05 29 00-0081	EA		12" Fiberglass Clevis Hanger (Cooper BFP3104).....	1,061.81	42.71
23 05 29 00-0082 Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) (23 05 29 00-0002)					
23 05 29 00-0083	EA		1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	27.28 6.32	10.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0084 EA 3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	28.98	11.39
<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0085 EA 1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	30.19	11.39
<i>For Work In Restricted Working Space, Add</i>	7.19	
23 05 29 00-0086 EA 1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	31.30	11.76
<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0087 EA 1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	31.99	12.14
<i>For Work In Restricted Working Space, Add</i>	7.46	
23 05 29 00-0088 EA 2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	33.49	12.53
<i>For Work In Restricted Working Space, Add</i>	7.59	
23 05 29 00-0089 EA 2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	37.63	13.09
<i>For Work In Restricted Working Space, Add</i>	7.77	
23 05 29 00-0090 EA 3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	43.46	13.67
<i>For Work In Restricted Working Space, Add</i>	8.04	
23 05 29 00-0091 EA 3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	47.25	14.80
<i>For Work In Restricted Working Space, Add</i>	8.54	
23 05 29 00-0092 EA 4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	49.84	15.94
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 05 29 00-0093 EA 5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	62.21	19.36
<i>For Work In Restricted Working Space, Add</i>	10.95	
23 05 29 00-0094 EA 6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	82.34	22.77
<i>For Work In Restricted Working Space, Add</i>	13.67	
23 05 29 00-0095 Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0096 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0095)		
Note: Type 5.		
23 05 29 00-0097 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	20.45	8.98
<i>For Work In Restricted Working Space, Add</i>	5.38	
23 05 29 00-0098 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	22.42	9.95
<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0099 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	24.60	11.06
<i>For Work In Restricted Working Space, Add</i>	6.64	
23 05 29 00-0100 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	27.16	12.29
<i>For Work In Restricted Working Space, Add</i>	7.37	
23 05 29 00-0101 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	28.54	12.90
<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0102 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	30.54	13.52
<i>For Work In Restricted Working Space, Add</i>	8.11	
23 05 29 00-0103 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	34.97	14.14
<i>For Work In Restricted Working Space, Add</i>	8.48	
23 05 29 00-0104 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	36.53	14.75
<i>For Work In Restricted Working Space, Add</i>	8.85	
23 05 29 00-0105 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	43.42	16.59
<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 29 00-0106 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0095)		
Note: Type 10.		
23 05 29 00-0107 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	23.91	11.39
<i>For Work In Restricted Working Space, Add</i>	6.83	
<i>For 304 Stainless Steel, Add</i>	7.52	
<i>For 316 Stainless Steel, Add</i>	9.69	
23 05 29 00-0108 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	25.23	11.39
<i>For Work In Restricted Working Space, Add</i>	7.19	
<i>For 304 Stainless Steel, Add</i>	8.25	
<i>For 316 Stainless Steel, Add</i>	10.63	
23 05 29 00-0109 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	26.56	12.53
<i>For Work In Restricted Working Space, Add</i>	7.59	
<i>For 304 Stainless Steel, Add</i>	8.25	
<i>For 316 Stainless Steel, Add</i>	10.63	
23 05 29 00-0110 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	28.20	13.67
<i>For Work In Restricted Working Space, Add</i>	8.04	
<i>For 304 Stainless Steel, Add</i>	9.24	
<i>For 316 Stainless Steel, Add</i>	11.90	
23 05 29 00-0111 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	31.77	15.94
<i>For Work In Restricted Working Space, Add</i>	9.11	
<i>For 304 Stainless Steel, Add</i>	9.24	
<i>For 316 Stainless Steel, Add</i>	11.90	
23 05 29 00-0112 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	34.00	15.94
<i>For Work In Restricted Working Space, Add</i>	9.76	
<i>For 304 Stainless Steel, Add</i>	9.70	
<i>For 316 Stainless Steel, Add</i>	12.50	
23 05 29 00-0113 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	37.44	17.09
<i>For Work In Restricted Working Space, Add</i>	10.51	
<i>For 304 Stainless Steel, Add</i>	15.84	
<i>For 316 Stainless Steel, Add</i>	20.40	
23 05 29 00-0114 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	40.47	19.36
<i>For Work In Restricted Working Space, Add</i>	11.39	
<i>For 304 Stainless Steel, Add</i>	16.57	
<i>For 316 Stainless Steel, Add</i>	21.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 29 Hangers and Supports for HVAC Piping and Equipment



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0115	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	44.93	20.78
		<i>For Work In Restricted Working Space, Add</i>	12.47	
		<i>For 304 Stainless Steel, Add</i>	22.18	
		<i>For 316 Stainless Steel, Add</i>	28.56	
23 05 29 00-0116	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	48.92	22.77
		<i>For Work In Restricted Working Space, Add</i>	13.67	
		<i>For 304 Stainless Steel, Add</i>	22.18	
		<i>For 316 Stainless Steel, Add</i>	28.56	
23 05 29 00-0117	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	58.22	25.62
		<i>For Work In Restricted Working Space, Add</i>	15.38	
		<i>For 304 Stainless Steel, Add</i>	46.00	
		<i>For 316 Stainless Steel, Add</i>	59.25	
23 05 29 00-0118	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	64.02	28.47
		<i>For Work In Restricted Working Space, Add</i>	17.09	
		<i>For 304 Stainless Steel, Add</i>	46.66	
		<i>For 316 Stainless Steel, Add</i>	60.10	
23 05 29 00-0119	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	76.73	34.16
		<i>For Work In Restricted Working Space, Add</i>	20.50	
		<i>For 304 Stainless Steel, Add</i>	55.44	
		<i>For 316 Stainless Steel, Add</i>	71.40	
23 05 29 00-0120 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0095)				
23 05 29 00-0121	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	26.34	11.39
		<i>For Work In Restricted Working Space, Add</i>	6.83	
		<i>For 304 Stainless Steel, Add</i>	23.56	
		<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0122	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.55	11.39
		<i>For Work In Restricted Working Space, Add</i>	7.19	
		<i>For 304 Stainless Steel, Add</i>	23.56	
		<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0123	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.88	12.53
		<i>For Work In Restricted Working Space, Add</i>	7.59	
		<i>For 304 Stainless Steel, Add</i>	23.56	
		<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0124	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	30.37	13.67
		<i>For Work In Restricted Working Space, Add</i>	8.04	
		<i>For 304 Stainless Steel, Add</i>	23.56	
		<i>For 316 Stainless Steel, Add</i>	30.35	
23 05 29 00-0125	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	34.24	15.94
		<i>For Work In Restricted Working Space, Add</i>	9.11	
		<i>For 304 Stainless Steel, Add</i>	25.54	
		<i>For 316 Stainless Steel, Add</i>	32.90	
23 05 29 00-0126	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	36.40	15.94
		<i>For Work In Restricted Working Space, Add</i>	9.76	
		<i>For 304 Stainless Steel, Add</i>	25.54	
		<i>For 316 Stainless Steel, Add</i>	32.90	
23 05 29 00-0127	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	45.19	17.09
		<i>For Work In Restricted Working Space, Add</i>	10.51	
		<i>For 304 Stainless Steel, Add</i>	66.99	
		<i>For 316 Stainless Steel, Add</i>	86.28	
23 05 29 00-0128	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	50.53	19.36
		<i>For Work In Restricted Working Space, Add</i>	11.39	
		<i>For 304 Stainless Steel, Add</i>	82.96	
		<i>For 316 Stainless Steel, Add</i>	106.85	
23 05 29 00-0129	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	55.13	20.78
		<i>For Work In Restricted Working Space, Add</i>	12.47	
		<i>For 304 Stainless Steel, Add</i>	89.50	
		<i>For 316 Stainless Steel, Add</i>	115.26	
23 05 29 00-0130	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	62.07	22.77
		<i>For Work In Restricted Working Space, Add</i>	13.67	
		<i>For 304 Stainless Steel, Add</i>	108.97	
		<i>For 316 Stainless Steel, Add</i>	140.34	
23 05 29 00-0131	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	67.99	25.62
		<i>For Work In Restricted Working Space, Add</i>	15.38	
		<i>For 304 Stainless Steel, Add</i>	110.48	
		<i>For 316 Stainless Steel, Add</i>	142.29	
23 05 29 00-0132	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	81.18	28.47
		<i>For Work In Restricted Working Space, Add</i>	17.09	
		<i>For 304 Stainless Steel, Add</i>	159.92	
		<i>For 316 Stainless Steel, Add</i>	205.96	
23 05 29 00-0133 Roller Hangers (23 05 29 00-0001)				
23 05 29 00-0134 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0133)				
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0135	EA	2" Single Pipe Roll (Cooper B-Line B3114)	34.48	9.12
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	5.47	
23 05 29 00-0136	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114)	37.98	10.25
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	6.16	
23 05 29 00-0137	EA	3" Single Pipe Roll (Cooper B-Line B3114)	42.35	11.97
		Note: Excludes rod and nuts.		
		<i>For Work In Restricted Working Space, Add</i>	7.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0138 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	48.72 8.21	13.68
23 05 29 00-0139 EA 4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	66.77 9.23	15.39
23 05 29 00-0140 EA 5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	60.13 10.26	17.10
23 05 29 00-0141 EA 6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	74.70 12.31	20.52
23 05 29 00-0142 EA 8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	100.11 14.36	23.93
23 05 29 00-0143 EA 10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	118.70 17.10	28.49
 23 05 29 00-0144 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) <small>(23 05 29 00-0133)</small> Note: Type 43.		
23 05 29 00-0145 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	51.67 9.28 136.88 176.29	16.08
23 05 29 00-0146 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	53.90 9.95 136.88 176.29	16.58
23 05 29 00-0147 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	58.49 10.61 152.72 196.69	17.33
23 05 29 00-0148 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	67.92 11.14 203.28 261.80	18.56
23 05 29 00-0149 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	72.04 12.37 203.28 261.80	21.03
23 05 29 00-0150 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	81.24 13.58 237.34 305.66	22.64
23 05 29 00-0151 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	94.14 14.85 294.69 379.53	24.74
23 05 29 00-0152 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	128.69 18.56 441.08 568.06	30.93
23 05 29 00-0153 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	162.10 24.74 525.49 676.77	42.07
23 05 29 00-0154 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	209.84 27.84 772.53 994.93	46.39
23 05 29 00-0155 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	430.76 31.92 2,140.78 2,757.06	53.20
23 05 29 00-0156 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	540.08 37.12 2,747.91 3,538.98	61.86
 23 05 29 00-0157 Roller Chair (Cooper B-Line B3120) <small>(23 05 29 00-0133)</small>		
23 05 29 00-0158 EA 2" Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	50.31 9.28	16.08
23 05 29 00-0159 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	54.20 9.95	16.58
23 05 29 00-0160 EA 3" Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	56.87 10.61	17.33
23 05 29 00-0161 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	64.53 11.14	18.56
23 05 29 00-0162 EA 4" Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	71.89 12.37	21.03
23 05 29 00-0163 EA 5" Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	78.59 13.58	22.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0164 EA 6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	95.88 14.85	24.74
23 05 29 00-0165 EA 8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	124.57 18.56	30.93
23 05 29 00-0166 EA 10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	161.14 24.74	42.07
23 05 29 00-0167 EA 12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	207.33 27.84	46.39
23 05 29 00-0168 EA 14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	226.54 31.92	53.20
23 05 29 00-0169 EA 16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	272.87 37.12	61.86
23 05 29 00-0170 EA 18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	367.01 46.40	77.33
23 05 29 00-0171 EA 20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	453.77 55.68	92.79
23 05 29 00-0172 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0133)		
23 05 29 00-0173 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	56.69 9.28	16.08
23 05 29 00-0174 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	63.63 9.95	16.58
23 05 29 00-0175 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	66.93 10.61	17.33
23 05 29 00-0176 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	70.69 11.14	18.56
23 05 29 00-0177 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	84.79 12.37	21.03
23 05 29 00-0178 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	96.05 13.58	22.64
23 05 29 00-0179 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	111.65 14.85	24.74
23 05 29 00-0180 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	157.03 18.56	30.93
23 05 29 00-0181 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	196.14 24.74	42.07
23 05 29 00-0182 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	226.71 27.84	46.39
23 05 29 00-0183 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	319.31 31.92	53.20
23 05 29 00-0184 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	382.58 37.12	61.86
23 05 29 00-0185 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	435.28 46.40	77.33
23 05 29 00-0186 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0133)		
23 05 29 00-0187 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	57.05 9.28	16.08
23 05 29 00-0188 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	63.96 9.95	16.58
23 05 29 00-0189 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	67.48 10.61	17.33
23 05 29 00-0190 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	70.20 11.14	18.56
23 05 29 00-0191 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	88.51 12.37	21.03
23 05 29 00-0192 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	100.44 13.58	22.64
23 05 29 00-0193 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	116.88 14.85	24.74
23 05 29 00-0194 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	165.13 18.56	30.93
23 05 29 00-0195 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	205.87 24.74	42.07
23 05 29 00-0196 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	238.09 27.84	46.39
23 05 29 00-0197 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	337.51 31.92	53.20
23 05 29 00-0198 Pipe And Riser Clamps (23 05 29 00-0001) Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0199 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0198) Note: Type 4.		
23 05 29 00-0200 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	19.58 4.43	7.38
23 05 29 00-0201 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	19.82 4.50	7.50
23 05 29 00-0202 EA 1" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	20.10 4.57	7.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0203 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140).....	21.83	7.74
For Work In Restricted Working Space, Add	4.65	
23 05 29 00-0204 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	22.07	7.87
For Work In Restricted Working Space, Add	4.72	
23 05 29 00-0205 EA 2" Steel Pipe Clamp (Cooper B-Line B3140).....	23.42	7.99
For Work In Restricted Working Space, Add	4.79	
23 05 29 00-0206 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	24.35	8.23
For Work In Restricted Working Space, Add	4.94	
23 05 29 00-0207 EA 3" Steel Pipe Clamp (Cooper B-Line B3140).....	25.77	8.48
For Work In Restricted Working Space, Add	5.09	
23 05 29 00-0208 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	29.66	8.60
For Work In Restricted Working Space, Add	5.16	
23 05 29 00-0209 EA 4" Steel Pipe Clamp (Cooper B-Line B3140).....	34.57	11.06
For Work In Restricted Working Space, Add	6.64	
23 05 29 00-0210 EA 5" Steel Pipe Clamp (Cooper B-Line B3140).....	49.38	14.75
For Work In Restricted Working Space, Add	8.85	
23 05 29 00-0211 EA 6" Steel Pipe Clamp (Cooper B-Line B3140).....	67.38	18.43
For Work In Restricted Working Space, Add	11.06	
23 05 29 00-0212 EA 8" Steel Pipe Clamp (Cooper B-Line B3140).....	79.26	21.50
For Work In Restricted Working Space, Add	12.90	
23 05 29 00-0213 EA 10" Steel Pipe Clamp (Cooper B-Line B3140).....	114.52	24.58
For Work In Restricted Working Space, Add	14.75	
23 05 29 00-0214 EA 12" Steel Pipe Clamp (Cooper B-Line B3140).....	155.16	27.04
For Work In Restricted Working Space, Add	16.22	
23 05 29 00-0215 EA 14" Steel Pipe Clamp (Cooper B-Line B3140).....	248.73	29.49
For Work In Restricted Working Space, Add	17.70	
23 05 29 00-0216 EA 16" Steel Pipe Clamp (Cooper B-Line B3140).....	269.59	31.96
For Work In Restricted Working Space, Add	19.17	
23 05 29 00-0217 EA 18" Steel Pipe Clamp (Cooper B-Line B3140).....	435.25	34.41
For Work In Restricted Working Space, Add	20.65	
23 05 29 00-0218 EA 20" Steel Pipe Clamp (Cooper B-Line B3140).....	502.87	36.87
For Work In Restricted Working Space, Add	22.12	
23 05 29 00-0219 EA 24" Steel Pipe Clamp (Cooper B-Line B3140).....	654.23	40.56
For Work In Restricted Working Space, Add	24.33	
23 05 29 00-0220 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0198)		
23 05 29 00-0221 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	39.00	7.97
For Work In Restricted Working Space, Add	4.75	
23 05 29 00-0222 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	50.89	7.97
For Work In Restricted Working Space, Add	4.75	
23 05 29 00-0223 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	55.81	8.25
For Work In Restricted Working Space, Add	4.95	
23 05 29 00-0224 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	88.52	8.54
For Work In Restricted Working Space, Add	5.16	
23 05 29 00-0225 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	96.28	9.11
For Work In Restricted Working Space, Add	5.46	
23 05 29 00-0226 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	163.99	9.11
For Work In Restricted Working Space, Add	5.45	
23 05 29 00-0227 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	264.78	10.25
For Work In Restricted Working Space, Add	6.14	
23 05 29 00-0228 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	335.71	11.39
For Work In Restricted Working Space, Add	6.83	
23 05 29 00-0229 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	365.21	13.67
For Work In Restricted Working Space, Add	8.20	
23 05 29 00-0230 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,132.03	15.94
For Work In Restricted Working Space, Add	9.57	
23 05 29 00-0231 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,301.05	17.09
For Work In Restricted Working Space, Add	10.25	
23 05 29 00-0232 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,666.00	18.22
For Work In Restricted Working Space, Add	10.93	
23 05 29 00-0233 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0198)		
Note: Type 8.		
23 05 29 00-0234 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	19.71	6.83
For Work In Restricted Working Space, Add	4.10	
23 05 29 00-0235 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	20.49	6.95
For Work In Restricted Working Space, Add	4.17	
23 05 29 00-0236 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	20.80	7.06
For Work In Restricted Working Space, Add	4.24	
23 05 29 00-0237 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	22.42	7.17
For Work In Restricted Working Space, Add	4.31	
23 05 29 00-0238 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	23.28	7.28
For Work In Restricted Working Space, Add	4.37	
23 05 29 00-0239 EA 2" Steel Riser Clamp (Cooper B-Line B3373).....	23.83	7.41
For Work In Restricted Working Space, Add	4.44	
23 05 29 00-0240 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	24.84	7.63
For Work In Restricted Working Space, Add	4.58	
23 05 29 00-0241 EA 3" Steel Riser Clamp (Cooper B-Line B3373).....	26.29	7.86
For Work In Restricted Working Space, Add	4.71	
23 05 29 00-0242 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	28.80	7.97
For Work In Restricted Working Space, Add	4.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 29 Hangers and Supports for HVAC Piping and Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0243	EA		4" Steel Riser Clamp (Cooper B-Line B3373).....	35.06	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.15	
23 05 29 00-0244	EA		5" Steel Riser Clamp (Cooper B-Line B3373).....	45.38	13.67
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0245	EA		6" Steel Riser Clamp (Cooper B-Line B3373).....	57.52	17.09
			<i>For Work In Restricted Working Space, Add</i>	10.25	
23 05 29 00-0246	EA		8" Steel Riser Clamp (Cooper B-Line B3373).....	78.10	19.93
			<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 29 00-0247	EA		10" Steel Riser Clamp (Cooper B-Line B3373).....	102.15	22.77
			<i>For Work In Restricted Working Space, Add</i>	13.67	
23 05 29 00-0248	EA		12" Steel Riser Clamp (Cooper B-Line B3373).....	123.21	25.06
			<i>For Work In Restricted Working Space, Add</i>	15.04	
23 05 29 00-0249	EA		14" Steel Riser Clamp (Cooper B-Line B3373).....	164.64	27.33
			<i>For Work In Restricted Working Space, Add</i>	16.40	
23 05 29 00-0250	EA		16" Steel Riser Clamp (Cooper B-Line B3373).....	310.26	29.61
			<i>For Work In Restricted Working Space, Add</i>	17.77	
23 05 29 00-0251			Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <small>(23 05 29 00-0198)</small>		
23 05 29 00-0252	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	34.08	6.83
			<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0253	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	34.60	6.95
			<i>For Work In Restricted Working Space, Add</i>	4.17	
23 05 29 00-0254	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	36.01	7.06
			<i>For Work In Restricted Working Space, Add</i>	4.24	
23 05 29 00-0255	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	38.44	7.17
			<i>For Work In Restricted Working Space, Add</i>	4.31	
23 05 29 00-0256	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	43.32	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0257	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	45.97	7.41
			<i>For Work In Restricted Working Space, Add</i>	4.44	
23 05 29 00-0258	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	49.71	7.63
			<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-0259	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	54.54	7.86
			<i>For Work In Restricted Working Space, Add</i>	4.71	
23 05 29 00-0260	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	73.81	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.15	
23 05 29 00-0261			Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <small>(23 05 29 00-0198)</small>		
			Note: Type 42		
23 05 29 00-0262	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	75.73	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0263	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	80.41	8.54
			<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0264	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	88.26	9.11
			<i>For Work In Restricted Working Space, Add</i>	5.46	
23 05 29 00-0265	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	94.14	9.11
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0266	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	113.79	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.14	
23 05 29 00-0267	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	350.80	11.39
			<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0268	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	469.77	13.67
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0269	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	559.73	15.94
			<i>For Work In Restricted Working Space, Add</i>	9.57	
23 05 29 00-0270	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	814.60	17.09
			<i>For Work In Restricted Working Space, Add</i>	10.25	
23 05 29 00-0271	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	1,122.07	18.22
			<i>For Work In Restricted Working Space, Add</i>	10.93	
23 05 29 00-0272			Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <small>(23 05 29 00-0198)</small>		
23 05 29 00-0273	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	69.98	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0274	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	75.47	8.54
			<i>For Work In Restricted Working Space, Add</i>	5.16	
23 05 29 00-0275	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	131.17	9.11
			<i>For Work In Restricted Working Space, Add</i>	5.46	
23 05 29 00-0276	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	145.72	9.11
			<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-0277	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	208.89	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.14	
23 05 29 00-0278	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	319.76	11.39
			<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0279	EA		16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	428.73	13.67
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0280	EA		18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	510.25	15.94
			<i>For Work In Restricted Working Space, Add</i>	9.57	
23 05 29 00-0281	EA		20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	745.10	17.09
			<i>For Work In Restricted Working Space, Add</i>	10.25	
23 05 29 00-0282	EA		24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	1,019.20	18.22
			<i>For Work In Restricted Working Space, Add</i>	10.93	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0283		Split Pipe Clamps And Rings <small>(23 05 29 00-0001)</small>		
23 05 29 00-0284		Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) <small>(23 05 29 00-0283)</small>		
		Note: Type 6.		
23 05 29 00-0285	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	32.50	10.44
		<i>For Work In Restricted Working Space, Add</i>	6.27	
23 05 29 00-0286	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	34.43	11.06
		<i>For Work In Restricted Working Space, Add</i>	6.64	
23 05 29 00-0287	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	37.47	12.29
		<i>For Work In Restricted Working Space, Add</i>	7.37	
23 05 29 00-0288	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	40.33	12.90
		<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0289	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	43.51	13.52
		<i>For Work In Restricted Working Space, Add</i>	8.11	
23 05 29 00-0290	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	53.35	14.14
		<i>For Work In Restricted Working Space, Add</i>	8.48	
23 05 29 00-0291	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	58.45	14.75
		<i>For Work In Restricted Working Space, Add</i>	8.85	
23 05 29 00-0292	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	77.36	16.59
		<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 29 00-0293	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	98.35	20.89
		<i>For Work In Restricted Working Space, Add</i>	12.54	
23 05 29 00-0294	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	131.02	24.58
		<i>For Work In Restricted Working Space, Add</i>	14.75	
23 05 29 00-0295		Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <small>(23 05 29 00-0283)</small>		
		Note: Type 11.		
23 05 29 00-0296	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	21.43	8.65
		<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0297	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	22.59	8.65
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 05 29 00-0298	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	24.88	11.13
		<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0299	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	27.01	11.13
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 29 00-0300	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	30.05	11.13
		<i>For Work In Restricted Working Space, Add</i>	6.75	
23 05 29 00-0301	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	35.01	12.37
		<i>For Work In Restricted Working Space, Add</i>	7.42	
23 05 29 00-0302	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	46.28	12.37
		<i>For Work In Restricted Working Space, Add</i>	7.73	
23 05 29 00-0303	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	51.34	13.60
		<i>For Work In Restricted Working Space, Add</i>	8.06	
23 05 29 00-0304	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	54.71	14.84
		<i>For Work In Restricted Working Space, Add</i>	8.83	
23 05 29 00-0305		Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <small>(23 05 29 00-0283)</small>		
		Note: Type 12.		
23 05 29 00-0306	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	21.43	8.65
		<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0307	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	22.59	9.27
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 05 29 00-0308	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	24.88	10.51
		<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0309	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	27.01	11.13
		<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 29 00-0310	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	30.05	11.13
		<i>For Work In Restricted Working Space, Add</i>	6.75	
23 05 29 00-0311	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	35.01	12.37
		<i>For Work In Restricted Working Space, Add</i>	7.42	
23 05 29 00-0312	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	46.28	12.98
		<i>For Work In Restricted Working Space, Add</i>	7.73	
23 05 29 00-0313	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	51.34	13.60
		<i>For Work In Restricted Working Space, Add</i>	8.06	
23 05 29 00-0314		Pipe Straps <small>(23 05 29 00-0001)</small>		
23 05 29 00-0315		Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) <small>(23 05 29 00-0314)</small>		
23 05 29 00-0316	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.59	6.18
		<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0317	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.24	7.42
		<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0318	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.96	7.42
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0319	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.88	7.42
		<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0320	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.86	8.65
		<i>For Work In Restricted Working Space, Add</i>	4.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 29 Hangers and Supports for HVAC Piping and Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0321	EA		2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	20.44 4.95	8.65
23 05 29 00-0322	EA		2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	24.81 5.30	8.65
23 05 29 00-0323	EA		3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	31.52 5.71	8.65
23 05 29 00-0324	EA		4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	37.31 6.68	11.13
23 05 29 00-0325	EA		6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	45.48 7.42	12.37
23 05 29 00-0326	EA		8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) <i>For Work In Restricted Working Space, Add</i>	56.43 8.16	13.60
23 05 29 00-0327 Two Hole Copper-Clad Pipe Straps (23 05 29 00-0314)					
23 05 29 00-0328	EA		1/2" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	6.82 1.85	
23 05 29 00-0329	EA		3/4" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	7.24 1.95	
23 05 29 00-0330	EA		1" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	8.12 2.04	
23 05 29 00-0331	EA		1-1/4" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	9.01 2.13	
23 05 29 00-0332	EA		1-1/2" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	9.68 2.23	
23 05 29 00-0333	EA		2" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	10.51 2.41	
23 05 29 00-0334 One Hole Galvanized Steel Pipe Straps (23 05 29 00-0314)					
23 05 29 00-0335	EA		1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D) <i>For Work In Restricted Working Space, Add</i>	3.05 0.62	
23 05 29 00-0336	EA		3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D) <i>For Work In Restricted Working Space, Add</i>	3.61 0.66	
23 05 29 00-0337	EA		1" One Hole Galvanized Steel Pipe Strap (Anvil 185D) <i>For Work In Restricted Working Space, Add</i>	3.88 0.71	
23 05 29 00-0338	EA		1-1/4" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	4.17 0.77	
23 05 29 00-0339	EA		1-1/2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	4.48 0.84	
23 05 29 00-0340	EA		2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	5.00 0.93	
23 05 29 00-0341 Standard Two Hole Pipe Strap, Stainless Steel (Cooper B-Line B-2400) (23 05 29 00-0314)					
23 05 29 00-0342	EA		1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1/2SS4) <i>For Work In Restricted Working Space, Add</i>	68.24 11.87	19.78
23 05 29 00-0343	EA		3/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3/4SS4) <i>For Work In Restricted Working Space, Add</i>	73.18 12.98	22.25
23 05 29 00-0344	EA		1" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1SS4) <i>For Work In Restricted Working Space, Add</i>	76.95 14.10	23.50
23 05 29 00-0345	EA		1-1/4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/4SS4) <i>For Work In Restricted Working Space, Add</i>	88.69 15.21	25.97
23 05 29 00-0346	EA		1-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/2SS4) <i>For Work In Restricted Working Space, Add</i>	88.12 16.32	27.20
23 05 29 00-0347	EA		2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-2SS4) <i>For Work In Restricted Working Space, Add</i>	108.12 17.81	29.68
23 05 29 00-0348	EA		2-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-21/2SS4) <i>For Work In Restricted Working Space, Add</i>	103.02 15.95	27.20
23 05 29 00-0349	EA		3" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3SS4) <i>For Work In Restricted Working Space, Add</i>	125.00 21.89	37.10
23 05 29 00-0350	EA		3-1/2" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-31/2SS4) <i>For Work In Restricted Working Space, Add</i>	138.03 23.74	39.57
23 05 29 00-0351	EA		4" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-4SS4) <i>For Work In Restricted Working Space, Add</i>	154.24 25.60	43.28
23 05 29 00-0352	EA		5" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-5SS4) <i>For Work In Restricted Working Space, Add</i>	197.80 29.31	49.47
23 05 29 00-0353	EA		6" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-6SS4) <i>For Work In Restricted Working Space, Add</i>	217.10 33.02	55.64
23 05 29 00-0354	EA		8" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-8SS4) <i>For Work In Restricted Working Space, Add</i>	270.64 40.06	66.77
23 05 29 00-0355	EA		10" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-10SS4) <i>For Work In Restricted Working Space, Add</i>	314.07 46.74	77.90
23 05 29 00-0356	EA		12" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-12SS4) <i>For Work In Restricted Working Space, Add</i>	560.37 51.93	86.56
23 05 29 00-0357	EA		14" Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-14SS4) <i>For Work In Restricted Working Space, Add</i>	415.95 57.13	95.21
23 05 29 00-0358 Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B-2400 Or Tripac 2STR) (23 05 29 00-0314)					
Note: Designed for supporting pipe runs from strut supports.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0359 EA 1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1/2ZN)	49.33	19.78
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	11.87	
23 05 29 00-0360 EA 3/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3/4ZN)	53.46	21.64
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	12.98	
23 05 29 00-0361 EA 1" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1ZN)	57.76	23.50
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	14.10	
23 05 29 00-0362 EA 1-1/4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/4ZN)	62.10	25.35
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	15.21	
23 05 29 00-0363 EA 1-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/2ZN)	67.37	27.20
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	16.32	
23 05 29 00-0364 EA 2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-2ZN)	76.96	29.68
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	17.81	
23 05 29 00-0365 EA 2-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-21/2ZN)	85.04	32.76
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	19.66	
23 05 29 00-0366 EA 3" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3ZN)	93.24	36.48
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	21.89	
23 05 29 00-0367 EA 3-1/2" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-31/2ZN)	94.01	36.48
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	21.89	
23 05 29 00-0368 EA 4" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-4ZN)	109.22	42.66
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	25.60	
23 05 29 00-0369 EA 5" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-5ZN)	130.10	49.47
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	29.31	
23 05 29 00-0370 EA 6" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-6ZN)	146.40	55.03
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	33.02	
23 05 29 00-0371 EA 8" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-8AN)	176.89	66.77
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	40.06	
23 05 29 00-0372 EA 10" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-10AN)	209.98	77.90
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	46.74	
23 05 29 00-0373 EA 12" Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-12AN)	238.11	86.56
Note: Designed for supporting pipe runs from strut supports.		
<i>For Work In Restricted Working Space, Add</i>	51.93	
23 05 29 00-0374 Pipe and Equipment Support Brackets <small>(23 05 29 00-0001)</small>		
23 05 29 00-0375 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) <small>(23 05 29 00-0374)</small>		
Note: Up to 750# load.		
23 05 29 00-0376 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	126.92	13.67
<i>For Galvanized, Add</i>	19.92	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0377 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	128.74	13.67
<i>For Galvanized, Add</i>	20.28	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0378 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	135.95	13.67
<i>For Galvanized, Add</i>	21.72	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0379 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) <small>(23 05 29 00-0374)</small>		
Note: Up to 1500# load.		
23 05 29 00-0380 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	302.90	13.67
<i>For Galvanized, Add</i>	55.11	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0381 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	354.70	13.67
<i>For Galvanized, Add</i>	65.47	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0382 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	460.34	13.67
<i>For Galvanized, Add</i>	86.60	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0383 Fiberglass Brackets <small>(23 05 29 00-0374)</small>		
23 05 29 00-0384 Polyester Resin <small>(23 05 29 00-0383)</small>		
Note: (B-Line BFP409 Series), single channel bracket.		
23 05 29 00-0385 EA 6" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	311.34	11.39
23 05 29 00-0386 EA 9" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	328.26	12.53
23 05 29 00-0387 EA 12" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	345.15	13.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0388	EA		18" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409).....	390.57	14.24
23 05 29 00-0389	EA		24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409).....	432.82	14.80
23 05 29 00-0390			Vinyl Ester Resin <small>(23 05 29 00-0390)</small>		
			Note: (B-Line BFV409 Series), single channel bracket.		
23 05 29 00-0391	EA		6" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	397.91	11.39
23 05 29 00-0392	EA		9" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	419.57	12.53
23 05 29 00-0393	EA		12" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	441.61	13.67
23 05 29 00-0394	EA		18" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	499.27	14.24
23 05 29 00-0395	EA		24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	560.10	14.80
23 05 29 00-0396			Polyester Resin <small>(23 05 29 00-0396)</small>		
			Note: (B-Line BFP494 Series), braced single channel bracket.		
23 05 29 00-0397	EA		24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494).....	483.02	14.80
23 05 29 00-0398	EA		30" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494).....	499.14	15.94
23 05 29 00-0399	EA		36" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494).....	533.04	17.09
23 05 29 00-0400			Vinyl Ester Resin <small>(23 05 29 00-0400)</small>		
			Note: (B-Line BFV494 Series), braced single channel bracket.		
23 05 29 00-0401	EA		24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	619.79	14.80
23 05 29 00-0402	EA		30" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	646.98	15.94
23 05 29 00-0403	EA		36" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	683.24	17.09
23 05 29 00-0404			Pipe Alignment Guide <small>(23 05 29 00-0404)</small>		
23 05 29 00-0405			Pipe Alignment Guide, 1" Insulation <small>(23 05 29 00-0405)</small>		
23 05 29 00-0406	EA		1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	560.18	21.64
23 05 29 00-0407	EA		3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	561.33	22.21
23 05 29 00-0408	EA		1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	562.47	22.77
23 05 29 00-0409	EA		1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	563.60	23.35
23 05 29 00-0410	EA		1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	615.09	23.92
23 05 29 00-0411	EA		2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	627.48	26.19
23 05 29 00-0412	EA		2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	629.19	27.05
23 05 29 00-0413	EA		3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	630.89	27.91
23 05 29 00-0414	EA		4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	667.71	29.61
23 05 29 00-0415	EA		5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	774.46	37.59
23 05 29 00-0416	EA		6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	794.41	45.56
23 05 29 00-0417	EA		8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	895.02	56.95
23 05 29 00-0418	EA		10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,657.18	68.33
23 05 29 00-0419	EA		12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,522.90	91.11
23 05 29 00-0420	EA		14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	3,104.47	113.89
23 05 29 00-0421	EA		16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,735.98	127.55
23 05 29 00-0422	EA		18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	4,029.27	142.36
23 05 29 00-0423	EA		20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	4,281.45	162.85
23 05 29 00-0424	EA		24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	5,396.64	170.83
23 05 29 00-0425			Pipe Alignment Guide, 1-1/2" Insulation <small>(23 05 29 00-0425)</small>		
23 05 29 00-0426	EA		1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	561.33	22.21
23 05 29 00-0427	EA		3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	612.82	22.77
23 05 29 00-0428	EA		1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	613.95	23.35
23 05 29 00-0429	EA		1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	615.09	23.92
23 05 29 00-0430	EA		1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	616.23	24.48
23 05 29 00-0431	EA		2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	628.62	26.77
23 05 29 00-0432	EA		2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	630.33	27.61
23 05 29 00-0433	EA		3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	665.44	28.47
23 05 29 00-0434	EA		4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	668.85	30.18
23 05 29 00-0435	EA		5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	780.17	38.44
23 05 29 00-0436	EA		6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	796.69	46.69
23 05 29 00-0437	EA		8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	897.86	58.37
23 05 29 00-0438	EA		10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,660.60	70.04
23 05 29 00-0439	EA		12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,527.45	93.39
23 05 29 00-0440	EA		14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	3,110.17	116.73
23 05 29 00-0441	EA		16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,742.82	130.97
23 05 29 00-0442	EA		18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	4,036.10	145.78
23 05 29 00-0443	EA		20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	4,289.42	166.85
23 05 29 00-0444	EA		24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	5,405.18	175.10
23 05 29 00-0445			Pipe Alignment Guide, 2" Insulation <small>(23 05 29 00-0445)</small>		
23 05 29 00-0446	EA		1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	612.82	22.77
23 05 29 00-0447	EA		3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	621.78	23.35
23 05 29 00-0448	EA		1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	622.92	23.92
23 05 29 00-0449	EA		1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	624.06	24.48
23 05 29 00-0450	EA		1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	625.21	25.06
23 05 29 00-0451	EA		2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	663.15	27.33
23 05 29 00-0452	EA		2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	665.44	28.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0453	EA		3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	666.86	29.18
23 05 29 00-0454	EA		4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	764.80	30.75
23 05 29 00-0455	EA		5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	781.88	39.29
23 05 29 00-0456	EA		6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	876.79	47.83
23 05 29 00-0457	EA		8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	986.90	59.79
23 05 29 00-0458	EA		10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,664.02	71.75
23 05 29 00-0459	EA		12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	2,532.01	95.66
23 05 29 00-0460	EA		14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	3,115.86	119.58
23 05 29 00-0461	EA		16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	3,749.40	134.26
23 05 29 00-0462	EA		18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	4,043.50	149.48
23 05 29 00-0463	EA		20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	4,297.39	170.83
23 05 29 00-0464	EA		24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	5,413.73	179.37

23 05 29 00-0465 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0404)

23 05 29 00-0466	EA		1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	621.78	23.35
23 05 29 00-0467	EA		3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	656.32	23.92
23 05 29 00-0468	EA		1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	657.46	24.48
23 05 29 00-0469	EA		1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	658.61	25.06
23 05 29 00-0470	EA		1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	659.74	25.62
23 05 29 00-0471	EA		2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	664.29	27.91
23 05 29 00-0472	EA		2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	666.86	29.18
23 05 29 00-0473	EA		3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	763.09	29.90
23 05 29 00-0474	EA		4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	765.93	31.32
23 05 29 00-0475	EA		5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	860.85	39.86
23 05 29 00-0476	EA		6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	879.08	48.97
23 05 29 00-0477	EA		8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	1,642.95	61.21
23 05 29 00-0478	EA		10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	2,487.59	73.46
23 05 29 00-0479	EA		12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	3,072.58	97.95
23 05 29 00-0480	EA		14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	3,122.09	122.43
23 05 29 00-0481	EA		16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	3,756.48	137.81
23 05 29 00-0482	EA		18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	4,050.91	153.17
23 05 29 00-0483	EA		20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	4,305.93	175.10
23 05 29 00-0484	EA		24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	5,422.83	183.93

23 05 29 00-0485 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0404)

23 05 29 00-0486	EA		1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	656.32	23.92
23 05 29 00-0487	EA		3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	657.46	24.48
23 05 29 00-0488	EA		1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	658.61	25.06
23 05 29 00-0489	EA		1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	659.74	25.62
23 05 29 00-0490	EA		1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	660.88	26.19
23 05 29 00-0491	EA		2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	760.25	28.47
23 05 29 00-0492	EA		2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	763.09	29.90
23 05 29 00-0493	EA		3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	764.80	30.75
23 05 29 00-0494	EA		4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	845.36	32.12
23 05 29 00-0495	EA		5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	863.13	41.00
23 05 29 00-0496	EA		6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	967.54	50.12
23 05 29 00-0497	EA		8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,645.80	62.63
23 05 29 00-0498	EA		10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	2,491.02	75.16
23 05 29 00-0499	EA		12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	3,077.14	100.22
23 05 29 00-0500	EA		14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	3,127.79	125.28
23 05 29 00-0501	EA		16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	3,763.32	141.22
23 05 29 00-0502	EA		18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	4,057.74	156.59
23 05 29 00-0503	EA		20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	4,314.48	179.37
23 05 29 00-0504	EA		24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	5,431.95	188.48

23 05 29 00-0505 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0404)

23 05 29 00-0506	EA		1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	657.46	24.48
23 05 29 00-0507	EA		3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	753.42	25.06
23 05 29 00-0508	EA		1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	754.55	25.62
23 05 29 00-0509	EA		1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	755.69	26.19
23 05 29 00-0510	EA		1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	756.83	26.77
23 05 29 00-0511	EA		2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	761.67	29.18
23 05 29 00-0512	EA		2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	764.57	30.63
23 05 29 00-0513	EA		3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	844.17	31.51
23 05 29 00-0514	EA		4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	847.19	33.03
23 05 29 00-0515	EA		5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	951.60	42.13
23 05 29 00-0516	EA		6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	1,623.01	51.25
23 05 29 00-0517	EA		8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	2,468.81	64.06
23 05 29 00-0518	EA		10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	3,031.31	77.04
23 05 29 00-0519	EA		12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	3,685.88	102.49
23 05 29 00-0520	EA		14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	3,737.69	128.41
23 05 29 00-0521	EA		16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	4,046.25	144.64
23 05 29 00-0522	EA		18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	4,276.89	160.58
23 05 29 00-0523	EA		20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	5,421.70	183.35

23 05 29 00-0524 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0404)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 29 Hangers and Supports for HVAC Piping and Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0525	EA		1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	753.42	25.06
23 05 29 00-0526	EA		3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	754.55	25.62
23 05 29 00-0527	EA		1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	755.69	26.19
23 05 29 00-0528	EA		1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	756.83	26.77
23 05 29 00-0529	EA		1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	757.96	27.33
23 05 29 00-0530	EA		2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	840.92	29.90
23 05 29 00-0531	EA		2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	843.76	31.32
23 05 29 00-0532	EA		3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	845.70	32.29
23 05 29 00-0533	EA		4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	935.09	33.88
23 05 29 00-0534	EA		5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,607.07	43.27
23 05 29 00-0535	EA		6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,625.30	52.39
23 05 29 00-0536	EA		8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	2,471.65	65.48
23 05 29 00-0537	EA		10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	3,035.54	79.15
23 05 29 00-0538	EA		12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	3,691.00	105.06
23 05 29 00-0539	EA		14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	4,006.49	130.97
23 05 29 00-0540	EA		16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	4,251.83	148.05
23 05 29 00-0541	EA		18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	5,385.26	165.14
23 05 29 00-0542 Sway Bracing For No Hub Pipe (23 05 29 00-0001)					
23 05 29 00-0543	EA		1-1/2" Sway Bracing.....	156.77	15.03
			<i>For Work In Restricted Working Space, Add</i>	8.99	
23 05 29 00-0544	EA		2" Sway Bracing.....	161.46	15.83
			<i>For Work In Restricted Working Space, Add</i>	9.49	
23 05 29 00-0545	EA		3" Sway Bracing.....	167.16	16.74
			<i>For Work In Restricted Working Space, Add</i>	10.05	
23 05 29 00-0546	EA		4" Sway Bracing.....	189.75	19.02
			<i>For Work In Restricted Working Space, Add</i>	11.39	
23 05 29 00-0547	EA		6" Sway Bracing.....	278.30	28.47
			<i>For Work In Restricted Working Space, Add</i>	17.09	
23 05 29 00-0548	EA		8" Sway Bracing.....	307.56	35.54
			<i>For Work In Restricted Working Space, Add</i>	21.35	
23 05 29 00-0549	EA		10" Sway Bracing.....	345.43	47.49
			<i>For Work In Restricted Working Space, Add</i>	28.47	
23 05 29 00-0550 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)					
Note: Heights listed is total for base and adjustable saddle					
23 05 29 00-0551	EA		23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	334.65	11.39
			<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0552	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	342.31	12.53
			<i>For Work In Restricted Working Space, Add</i>	7.52	
23 05 29 00-0553	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	685.55	14.24
			<i>For Work In Restricted Working Space, Add</i>	8.54	
23 05 29 00-0554	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	834.36	15.94
			<i>For Work In Restricted Working Space, Add</i>	9.57	
23 05 29 00-0555	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	845.13	17.65
			<i>For Work In Restricted Working Space, Add</i>	10.59	
23 05 29 00-0556	EA		25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	930.58	19.93
			<i>For Work In Restricted Working Space, Add</i>	11.96	
23 05 29 00-0557	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,108.36	21.64
			<i>For Work In Restricted Working Space, Add</i>	12.98	
23 05 29 00-0558	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,121.47	23.35
			<i>For Work In Restricted Working Space, Add</i>	14.01	
23 05 29 00-0559	EA		26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,138.24	25.62
			<i>For Work In Restricted Working Space, Add</i>	15.38	
23 05 29 00-0560	EA		28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,185.89	27.91
			<i>For Work In Restricted Working Space, Add</i>	16.74	
23 05 29 00-0561	EA		29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,271.49	30.75
			<i>For Work In Restricted Working Space, Add</i>	18.45	
23 05 29 00-0562	EA		30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,309.75	34.16
			<i>For Work In Restricted Working Space, Add</i>	20.50	
23 05 29 00-0563	EA		32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,595.80	37.59
			<i>For Work In Restricted Working Space, Add</i>	22.55	
23 05 29 00-0564	EA		33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,742.46	42.13
			<i>For Work In Restricted Working Space, Add</i>	25.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 29 00-0565	EA		35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,457.46	46.69
				<i>For Work In Restricted Working Space, Add</i>	28.02	
	23 05 29 00-0566	EA		36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,036.31	51.25
				<i>For Work In Restricted Working Space, Add</i>	30.75	
	23 05 29 00-0567	EA		39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,652.34	55.80
				<i>For Work In Restricted Working Space, Add</i>	33.48	
	23 05 29 00-0568			Channel Mounted Cushion Clamp <small>(23 05 29 00-0001)</small>		
				Note: Includes fastening into channel.		
	23 05 29 00-0569	EA		1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	13.83	5.12
	23 05 29 00-0570	EA		5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	14.56	5.70
	23 05 29 00-0571	EA		7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	16.15	5.98
	23 05 29 00-0572	EA		1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	17.30	6.26
	23 05 29 00-0573	EA		1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	19.33	6.83
	23 05 29 00-0574	EA		1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	21.64	7.11
	23 05 29 00-0575	EA		2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	27.44	7.41
	23 05 29 00-0576	EA		2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	30.36	7.97
	23 05 29 00-0577	EA		3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	37.37	9.11
	23 05 29 00-0578	EA		4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	56.90	10.25
	23 05 29 00-0579			Galvanized Steel Cushion Tube Clamp (KMC) <small>(23 05 29 00-0001)</small>		
				Note: Excludes fastening bolt and drilling if necessary.		
	23 05 29 00-0580	EA		1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	4.28	
				Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0581	EA		1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	4.42	
				Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0582	EA		5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	4.51	
				Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0583	EA		5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	4.73	
				Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0584	EA		7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	4.46	
				Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0585	EA		7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	4.87	
				Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0586	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	4.62	
				Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0587	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	5.11	
				Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0588	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	5.14	
				Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
	23 05 29 00-0589	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe.....	4.84	
				Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0590	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe.....	5.07	
				Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0591	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe.....	5.77	
				Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
	23 05 29 00-0592	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe.....	5.09	
				Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0593	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe.....	5.54	
				Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0594	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe.....	6.29	
				Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
	23 05 29 00-0595	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	6.35	
				Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0596	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	6.76	
				Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0597	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	7.57	
				Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
	23 05 29 00-0598	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe.....	7.82	
				Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0599	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe.....	9.03	
				Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0600	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe.....	9.12	
				Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
	23 05 29 00-0601	EA		3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	8.06	
				Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0602	EA		3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	9.03	
				Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0603	EA		3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	9.62	
				Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
	23 05 29 00-0604	EA		3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe.....	8.38	
				Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
	23 05 29 00-0605	EA		3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe.....	8.97	
				Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
	23 05 29 00-0606	EA		3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe.....	11.24	
				Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		
	23 05 29 00-0607	EA		4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....	8.31	
				Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0608 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....	9.17	
Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0609 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....	11.73	
Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0610 Rooftop Pipe Supports (23 05 29 00-0001)		
Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0611 Rooftop Support Base (23 05 29 00-0610)		
23 05 29 00-0612 EA 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	43.81	9.27
23 05 29 00-0613 EA 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	61.17	12.37
23 05 29 00-0614 Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0610)		
23 05 29 00-0615 EA 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	50.10	9.27
23 05 29 00-0616 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	71.39	12.37
23 05 29 00-0617 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	133.69	15.46
23 05 29 00-0618 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	185.48	18.55
23 05 29 00-0619 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	257.87	21.64
23 05 29 00-0620 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	271.48	24.73
23 05 29 00-0621 Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0610)		
23 05 29 00-0622 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610).....	88.09	12.37
23 05 29 00-0623 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	141.14	15.46
23 05 29 00-0624 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630).....	188.46	18.55
23 05 29 00-0625 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640).....	258.03	21.64
23 05 29 00-0626 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648).....	291.75	18.55
23 05 29 00-0627 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0610)		
23 05 29 00-0628 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....	148.09	18.55
23 05 29 00-0629 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....	168.53	21.64
23 05 29 00-0630 EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....	174.66	24.73
23 05 29 00-0631 EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....	190.98	27.82
23 05 29 00-0632 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....	245.60	30.92
23 05 29 00-0633 Rooftop Pipe Support Base And Rod (23 05 29 00-0610)		
23 05 29 00-0634 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	107.86	12.37
23 05 29 00-0635 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	107.86	12.37
23 05 29 00-0636 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	108.49	12.37
23 05 29 00-0637 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....	115.32	15.46
23 05 29 00-0638 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....	110.75	15.46
23 05 29 00-0639 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	116.61	15.46
23 05 29 00-0640 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0610)		
23 05 29 00-0641 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	137.78	12.37
23 05 29 00-0642 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	154.19	12.37
23 05 29 00-0643 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	202.32	15.46
23 05 29 00-0644 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	269.38	15.46
23 05 29 00-0645 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	368.98	15.46
23 05 29 00-0646 Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0610)		
Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0647 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	170.82	18.55
23 05 29 00-0648 Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0610)		
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0649 EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	111.05	15.46
23 05 29 00-0650 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	152.07	18.55
23 05 29 00-0651 EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	169.30	21.64



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 29 00-0652	Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0652)</small> <small>Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).</small>		
23 05 29 00-0653	EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	416.70	24.73
23 05 29 00-0654	EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	421.42	24.73
23 05 29 00-0655	EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	437.98	24.73
23 05 29 00-0656	EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	475.99	24.73
23 05 29 00-0657	EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	408.28	24.73
23 05 29 00-0658	EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	424.12	24.73
23 05 29 00-0659	EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	440.68	24.73
23 05 29 00-0660	EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	478.67	24.73
23 05 29 00-0661	EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	427.11	24.73
23 05 29 00-0662	EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	432.64	24.73
23 05 29 00-0663	EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	448.87	24.73
23 05 29 00-0664	EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	487.04	24.73
23 05 29 00-0665	EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	446.35	24.73
23 05 29 00-0666	EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	451.39	24.73
23 05 29 00-0667	EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	467.63	24.73
23 05 29 00-0668	EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	505.79	24.73

23 05 29 00-0669 Threaded Rod, Accessories And Attachments (23 05 29)

23 05 29 00-0670 Threaded Rod And Rod Accessories (23 05 29 00-0669)

23 05 29 00-0671 Threaded Rod (23 05 29 00-0670)
Note: Fully threaded.

23 05 29 00-0672	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 5.25 <i>For Galvanized, Add</i> 1.48 <i>For Zinc Plated, Add</i> 1.06 <i>For Work In Restricted Working Space, Add</i> 0.46		0.78
23 05 29 00-0673	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 7.55 <i>For Galvanized, Add</i> 2.36 <i>For Zinc Plated, Add</i> 1.68 <i>For Work In Restricted Working Space, Add</i> 0.50		0.83
23 05 29 00-0674	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 10.85 <i>For Galvanized, Add</i> 3.66 <i>For Zinc Plated, Add</i> 2.60 <i>For Work In Restricted Working Space, Add</i> 0.51		0.85
23 05 29 00-0675	LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 18.36 <i>For Galvanized, Add</i> 6.64 <i>For Zinc Plated, Add</i> 4.73 <i>For Work In Restricted Working Space, Add</i> 0.53		0.88
23 05 29 00-0676	LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 20.06 <i>For Galvanized, Add</i> 7.30 <i>For Zinc Plated, Add</i> 5.20 <i>For Work In Restricted Working Space, Add</i> 0.55		0.91
23 05 29 00-0677	LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 27.67 <i>For Galvanized, Add</i> 10.24 <i>For Zinc Plated, Add</i> 7.30 <i>For Work In Restricted Working Space, Add</i> 0.62		1.03
23 05 29 00-0678	LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 34.59 <i>For Galvanized, Add</i> 12.92 <i>For Zinc Plated, Add</i> 9.21 <i>For Work In Restricted Working Space, Add</i> 0.69		1.14

23 05 29 00-0679 Rod Couplings (23 05 29 00-0670)

23 05 29 00-0680	EA 3/8" Diameter, Threaded Rod Coupling Nut 9.41 <i>For Work In Restricted Working Space, Add</i> 2.28		
23 05 29 00-0681	EA 1/2" Diameter, Threaded Rod Coupling Nut 10.70 <i>For Work In Restricted Working Space, Add</i> 2.53		
23 05 29 00-0682	EA 5/8" Diameter, Threaded Rod Coupling Nut 13.52 <i>For Work In Restricted Working Space, Add</i> 2.85		
23 05 29 00-0683	EA 3/4" Diameter, Threaded Rod Coupling Nut 16.66 <i>For Work In Restricted Working Space, Add</i> 3.11		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0684	EA	7/8" Diameter, Threaded Rod Coupling Nut.....	24.96	
		<i>For Work In Restricted Working Space, Add</i>	3.42	
23 05 29 00-0685	EA	1" Diameter, Threaded Rod Coupling Nut	29.61	
		<i>For Work In Restricted Working Space, Add</i>	4.02	
23 05 29 00-0686	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	58.10	
		<i>For Work In Restricted Working Space, Add</i>	4.56	
23 05 29 00-0687		Flat Washers <small>(23 05 29 00-0670)</small>		
		Note: Zinc plated.		
23 05 29 00-0688	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.67	0.24
		<i>For Galvanized, Add</i>	0.04	
		<i>For Work In Restricted Working Space, Add</i>	0.15	
23 05 29 00-0689	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.93	0.24
		<i>For Galvanized, Add</i>	0.09	
		<i>For Work In Restricted Working Space, Add</i>	0.18	
23 05 29 00-0690	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.35	0.37
		<i>For Galvanized, Add</i>	0.17	
		<i>For Work In Restricted Working Space, Add</i>	0.21	
23 05 29 00-0691	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.83	0.37
		<i>For Galvanized, Add</i>	0.24	
		<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0692	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.16	0.49
		<i>For Galvanized, Add</i>	0.28	
		<i>For Work In Restricted Working Space, Add</i>	0.31	
23 05 29 00-0693	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.53	0.49
		<i>For Galvanized, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	0.34	
23 05 29 00-0694	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.86	0.62
		<i>For Galvanized, Add</i>	0.39	
		<i>For Work In Restricted Working Space, Add</i>	0.39	
23 05 29 00-0695		Hex Nuts <small>(23 05 29 00-0670)</small>		
		Note: Grade 2 and zinc plated.		
23 05 29 00-0696	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.31
		<i>For Galvanized, Add</i>	0.03	
		<i>For Work In Restricted Working Space, Add</i>	0.21	
23 05 29 00-0697	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.07	0.31
		<i>For Galvanized, Add</i>	0.07	
		<i>For Work In Restricted Working Space, Add</i>	0.23	
23 05 29 00-0698	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.48	0.31
		<i>For Galvanized, Add</i>	0.17	
		<i>For Work In Restricted Working Space, Add</i>	0.25	
23 05 29 00-0699	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.75	0.62
		<i>For Galvanized, Add</i>	0.22	
		<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0700	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.59	0.62
		<i>For Galvanized, Add</i>	0.42	
		<i>For Work In Restricted Working Space, Add</i>	0.27	
23 05 29 00-0701	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.30	0.62
		<i>For Galvanized, Add</i>	0.57	
		<i>For Work In Restricted Working Space, Add</i>	0.31	
23 05 29 00-0702	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.44	0.62
		<i>For Galvanized, Add</i>	1.08	
		<i>For Work In Restricted Working Space, Add</i>	0.34	
23 05 29 00-0703		Turnbuckle (Cooper B-Line B3202) <small>(23 05 29 00-0670)</small>		
		Note: Type 13.		
23 05 29 00-0704	EA	3/8" Turnbuckle (Cooper B-Line B3202)	28.58	6.18
		<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0705	EA	1/2" Turnbuckle (Cooper B-Line B3202)	33.90	6.81
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0706	EA	5/8" Turnbuckle (Cooper B-Line B3202)	36.54	7.43
		<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0707	EA	3/4" Turnbuckle (Cooper B-Line B3202)	45.90	8.66
		<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0708	EA	7/8" Turnbuckle (Cooper B-Line B3202)	59.30	9.27
		<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 29 00-0709	EA	1" Turnbuckle (Cooper B-Line B3202)	73.57	9.90
		<i>For Work In Restricted Working Space, Add</i>	7.42	
23 05 29 00-0710	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	101.91	11.13
		<i>For Work In Restricted Working Space, Add</i>	9.28	
23 05 29 00-0711		Swivel Turnbuckle (Cooper B-Line B3224) <small>(23 05 29 00-0670)</small>		
		Note: Type 15.		
23 05 29 00-0712	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	18.34	6.18
		<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0713	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	21.18	6.93
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0714	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	27.96	7.67
		<i>For Work In Restricted Working Space, Add</i>	4.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0715 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	33.74 5.30	8.79
23 05 29 00-0716 Forged Steel Clevis (Cooper B-Line B3201) <small>(23 05 29 00-0670)</small>		
<i>Note: Type 14.</i>		
23 05 29 00-0717 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	94.32 6.83	11.39
23 05 29 00-0718 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	138.67 7.19	11.96
23 05 29 00-0719 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	149.95 7.59	12.53
23 05 29 00-0720 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	156.17 8.04	13.67
23 05 29 00-0721 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	164.47 9.11	15.38
23 05 29 00-0722 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	273.54 11.96	19.93
23 05 29 00-0723 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	297.01 13.67	22.77
23 05 29 00-0724 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	350.30 17.09	28.47
23 05 29 00-0725 Welded Eye Rod (Cooper B-Line B3211) <small>(23 05 29 00-0670)</small>		
23 05 29 00-0726 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	28.47 4.02	6.67
23 05 29 00-0727 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	29.38 4.10	6.81
23 05 29 00-0728 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	30.28 4.17	6.93
23 05 29 00-0729 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	30.54 4.25	7.05
23 05 29 00-0730 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	32.36 4.41	7.30
23 05 29 00-0731 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	34.46 4.64	7.79
23 05 29 00-0732 EA 3/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	35.88 4.87	8.16
23 05 29 00-0733 EA 3/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	38.62 5.10	8.53
23 05 29 00-0734 EA 3/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	40.70 5.33	8.91
23 05 29 00-0735 EA 3/8" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	42.79 5.57	9.27
23 05 29 00-0736 EA 1/2" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	37.75 4.45	7.43
23 05 29 00-0737 EA 1/2" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	38.66 4.53	7.55
23 05 29 00-0738 EA 1/2" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	39.62 4.61	7.67
23 05 29 00-0739 EA 1/2" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	40.54 4.70	7.80
23 05 29 00-0740 EA 1/2" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	42.39 4.86	8.04
23 05 29 00-0741 EA 1/2" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	45.83 5.11	8.54
23 05 29 00-0742 EA 1/2" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	48.63 5.36	8.91
23 05 29 00-0743 EA 1/2" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	52.07 5.60	9.27
23 05 29 00-0744 EA 1/2" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	54.84 5.85	9.77
23 05 29 00-0745 EA 1/2" Diameter x 48" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	57.65 6.10	10.14
23 05 29 00-0746 EA 5/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	50.65 4.98	8.29
23 05 29 00-0747 EA 5/8" Diameter x 10" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	52.23 5.07	8.42
23 05 29 00-0748 EA 5/8" Diameter x 12" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	53.84 5.15	8.54
23 05 29 00-0749 EA 5/8" Diameter x 14" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	54.79 5.24	8.79
23 05 29 00-0750 EA 5/8" Diameter x 18" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	57.31 5.41	9.03
23 05 29 00-0751 EA 5/8" Diameter x 24" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	61.44 5.66	9.41
23 05 29 00-0752 EA 5/8" Diameter x 30" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	65.56 5.92	9.90
23 05 29 00-0753 EA 5/8" Diameter x 36" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	69.03 6.18	10.26
23 05 29 00-0754 EA 5/8" Diameter x 42" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	73.16 6.43	10.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0755 EA 5/8" Diameter x 48" Length Shank, Welded Eye Rod .....77.28 <i>For Work In Restricted Working Space, Add</i> 6.69	77.28 6.69	11.13
23 05 29 00-0756 EA 3/4" Diameter x 8" Length Shank, Welded Eye Rod .....62.07 <i>For Work In Restricted Working Space, Add</i> 5.66	62.07 5.66	9.41
23 05 29 00-0757 EA 3/4" Diameter x 10" Length Shank, Welded Eye Rod .....64.33 <i>For Work In Restricted Working Space, Add</i> 5.75	64.33 5.75	9.53
23 05 29 00-0758 EA 3/4" Diameter x 12" Length Shank, Welded Eye Rod .....65.93 <i>For Work In Restricted Working Space, Add</i> 5.84	65.93 5.84	9.77
23 05 29 00-0759 EA 3/4" Diameter x 14" Length Shank, Welded Eye Rod .....68.19 <i>For Work In Restricted Working Space, Add</i> 5.93	68.19 5.93	9.90
23 05 29 00-0760 EA 3/4" Diameter x 18" Length Shank, Welded Eye Rod .....72.05 <i>For Work In Restricted Working Space, Add</i> 6.10	72.05 6.10	10.14
23 05 29 00-0761 EA 3/4" Diameter x 24" Length Shank, Welded Eye Rod .....77.50 <i>For Work In Restricted Working Space, Add</i> 6.36	77.50 6.36	10.64
23 05 29 00-0762 EA 3/4" Diameter x 30" Length Shank, Welded Eye Rod .....82.95 <i>For Work In Restricted Working Space, Add</i> 6.62	82.95 6.62	11.01
23 05 29 00-0763 EA 3/4" Diameter x 36" Length Shank, Welded Eye Rod .....89.08 <i>For Work In Restricted Working Space, Add</i> 6.89	89.08 6.89	11.51
23 05 29 00-0764 EA 3/4" Diameter x 42" Length Shank, Welded Eye Rod .....95.17 <i>For Work In Restricted Working Space, Add</i> 7.15	95.17 7.15	11.88
23 05 29 00-0765 EA 3/4" Diameter x 48" Length Shank, Welded Eye Rod .....100.64 <i>For Work In Restricted Working Space, Add</i> 7.42	100.64 7.42	12.38
23 05 29 00-0766 EA 7/8" Diameter x 8" Length Shank, Welded Eye Rod .....74.24 <i>For Work In Restricted Working Space, Add</i> 6.56	74.24 6.56	10.89
23 05 29 00-0767 EA 7/8" Diameter x 10" Length Shank, Welded Eye Rod .....77.17 <i>For Work In Restricted Working Space, Add</i> 6.66	77.17 6.66	11.13
23 05 29 00-0768 EA 7/8" Diameter x 12" Length Shank, Welded Eye Rod .....79.44 <i>For Work In Restricted Working Space, Add</i> 6.75	79.44 6.75	11.25
23 05 29 00-0769 EA 7/8" Diameter x 14" Length Shank, Welded Eye Rod .....81.71 <i>For Work In Restricted Working Space, Add</i> 6.84	81.71 6.84	11.39
23 05 29 00-0770 EA 7/8" Diameter x 18" Length Shank, Welded Eye Rod .....86.26 <i>For Work In Restricted Working Space, Add</i> 7.02	86.26 7.02	11.75
23 05 29 00-0771 EA 7/8" Diameter x 24" Length Shank, Welded Eye Rod .....93.72 <i>For Work In Restricted Working Space, Add</i> 7.30	93.72 7.30	12.12
23 05 29 00-0772 EA 7/8" Diameter x 30" Length Shank, Welded Eye Rod .....100.51 <i>For Work In Restricted Working Space, Add</i> 7.57	100.51 7.57	12.62
23 05 29 00-0773 EA 7/8" Diameter x 36" Length Shank, Welded Eye Rod .....107.97 <i>For Work In Restricted Working Space, Add</i> 7.85	107.97 7.85	13.11
23 05 29 00-0774 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod .....114.79 <i>For Work In Restricted Working Space, Add</i> 8.12	114.79 8.12	13.49
23 05 29 00-0775 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod .....121.58 <i>For Work In Restricted Working Space, Add</i> 8.39	121.58 8.39	13.98
23 05 29 00-0776 EA 1" Diameter x 8" Length Shank, Welded Eye Rod .....92.89 <i>For Work In Restricted Working Space, Add</i> 7.84	92.89 7.84	13.11
23 05 29 00-0777 EA 1" Diameter x 10" Length Shank, Welded Eye Rod .....95.86 <i>For Work In Restricted Working Space, Add</i> 7.94	95.86 7.94	13.23
23 05 29 00-0778 EA 1" Diameter x 12" Length Shank, Welded Eye Rod .....98.82 <i>For Work In Restricted Working Space, Add</i> 8.04	98.82 8.04	13.37
23 05 29 00-0779 EA 1" Diameter x 14" Length Shank, Welded Eye Rod .....101.78 <i>For Work In Restricted Working Space, Add</i> 8.15	101.78 8.15	13.61
23 05 29 00-0780 EA 1" Diameter x 18" Length Shank, Welded Eye Rod .....107.67 <i>For Work In Restricted Working Space, Add</i> 8.35	107.67 8.35	13.98
23 05 29 00-0781 EA 1" Diameter x 24" Length Shank, Welded Eye Rod .....116.57 <i>For Work In Restricted Working Space, Add</i> 8.66	116.57 8.66	14.48
23 05 29 00-0782 EA 1" Diameter x 30" Length Shank, Welded Eye Rod .....125.48 <i>For Work In Restricted Working Space, Add</i> 8.97	125.48 8.97	14.97
23 05 29 00-0783 EA 1" Diameter x 36" Length Shank, Welded Eye Rod .....134.98 <i>For Work In Restricted Working Space, Add</i> 9.28	134.98 9.28	15.47
23 05 29 00-0784 EA 1" Diameter x 42" Length Shank, Welded Eye Rod .....143.86 <i>For Work In Restricted Working Space, Add</i> 9.59	143.86 9.59	15.96
23 05 29 00-0785 EA 1" Diameter x 48" Length Shank, Welded Eye Rod .....152.78 <i>For Work In Restricted Working Space, Add</i> 9.90	152.78 9.90	16.46
23 05 29 00-0786 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0670)		
23 05 29 00-0787 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod .....58.68 <i>For Work In Restricted Working Space, Add</i> 5.44	58.68 5.44	9.03
23 05 29 00-0788 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod .....60.27 <i>For Work In Restricted Working Space, Add</i> 5.60	60.27 5.60	9.27
23 05 29 00-0789 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod .....61.86 <i>For Work In Restricted Working Space, Add</i> 5.75	61.86 5.75	9.64
23 05 29 00-0790 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod .....62.64 <i>For Work In Restricted Working Space, Add</i> 5.98	62.64 5.98	10.02
23 05 29 00-0791 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod .....65.57 <i>For Work In Restricted Working Space, Add</i> 6.21	65.57 6.21	10.39
23 05 29 00-0792 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod .....69.33 <i>For Work In Restricted Working Space, Add</i> 6.68	69.33 6.68	11.13
23 05 29 00-0793 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod .....71.95 <i>For Work In Restricted Working Space, Add</i> 7.14	71.95 7.14	11.87
23 05 29 00-0794 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod .....76.79 <i>For Work In Restricted Working Space, Add</i> 7.61	76.79 7.61	12.73
23 05 29 00-0795 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod .....75.55 <i>For Work In Restricted Working Space, Add</i> 6.01	75.55 6.01	10.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0796 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	77.18	10.26
<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0797 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	78.87	10.52
<i>For Work In Restricted Working Space, Add</i>	6.35	
23 05 29 00-0798 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	80.77	11.01
<i>For Work In Restricted Working Space, Add</i>	6.59	
23 05 29 00-0799 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	83.75	11.39
<i>For Work In Restricted Working Space, Add</i>	6.84	
23 05 29 00-0800 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	89.77	12.24
<i>For Work In Restricted Working Space, Add</i>	7.33	
23 05 29 00-0801 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	94.71	12.99
<i>For Work In Restricted Working Space, Add</i>	7.83	
23 05 29 00-0802 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	100.71	13.86
<i>For Work In Restricted Working Space, Add</i>	8.32	
23 05 29 00-0803 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	100.76	11.13
<i>For Work In Restricted Working Space, Add</i>	6.71	
23 05 29 00-0804 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	103.48	11.51
<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0805 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	106.26	11.75
<i>For Work In Restricted Working Space, Add</i>	7.06	
23 05 29 00-0806 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	108.21	12.24
<i>For Work In Restricted Working Space, Add</i>	7.31	
23 05 29 00-0807 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	112.33	12.62
<i>For Work In Restricted Working Space, Add</i>	7.57	
23 05 29 00-0808 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	119.49	13.49
<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0809 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	126.64	14.36
<i>For Work In Restricted Working Space, Add</i>	8.59	
23 05 29 00-0810 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	132.71	15.21
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 05 29 00-0811 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	127.15	12.62
<i>For Work In Restricted Working Space, Add</i>	7.60	
23 05 29 00-0812 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	131.05	12.99
<i>For Work In Restricted Working Space, Add</i>	7.78	
23 05 29 00-0813 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	133.79	13.23
<i>For Work In Restricted Working Space, Add</i>	7.95	
23 05 29 00-0814 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	137.94	13.73
<i>For Work In Restricted Working Space, Add</i>	8.22	
23 05 29 00-0815 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	144.28	14.10
<i>For Work In Restricted Working Space, Add</i>	8.48	
23 05 29 00-0816 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	153.65	14.97
<i>For Work In Restricted Working Space, Add</i>	9.01	
23 05 29 00-0817 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	163.04	15.84
<i>For Work In Restricted Working Space, Add</i>	9.53	
23 05 29 00-0818 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	173.54	16.83
<i>For Work In Restricted Working Space, Add</i>	10.06	
23 05 29 00-0819 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	152.64	14.60
<i>For Work In Restricted Working Space, Add</i>	8.79	
23 05 29 00-0820 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	157.61	14.97
<i>For Work In Restricted Working Space, Add</i>	8.97	
23 05 29 00-0821 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	161.50	15.21
<i>For Work In Restricted Working Space, Add</i>	9.16	
23 05 29 00-0822 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	165.68	15.71
<i>For Work In Restricted Working Space, Add</i>	9.43	
23 05 29 00-0823 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	173.17	16.20
<i>For Work In Restricted Working Space, Add</i>	9.71	
23 05 29 00-0824 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	185.90	17.07
<i>For Work In Restricted Working Space, Add</i>	10.26	
23 05 29 00-0825 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	197.54	18.06
<i>For Work In Restricted Working Space, Add</i>	10.81	
23 05 29 00-0826 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	210.26	18.93
<i>For Work In Restricted Working Space, Add</i>	11.35	
23 05 29 00-0827 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	194.23	17.45
<i>For Work In Restricted Working Space, Add</i>	10.48	
23 05 29 00-0828 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	199.29	17.82
<i>For Work In Restricted Working Space, Add</i>	10.68	
23 05 29 00-0829 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	204.34	18.18
<i>For Work In Restricted Working Space, Add</i>	10.89	
23 05 29 00-0830 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	209.75	18.68
<i>For Work In Restricted Working Space, Add</i>	11.20	
23 05 29 00-0831 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	219.45	19.18
<i>For Work In Restricted Working Space, Add</i>	11.51	
23 05 29 00-0832 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	234.64	20.17
<i>For Work In Restricted Working Space, Add</i>	12.13	
23 05 29 00-0833 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	249.81	21.28
<i>For Work In Restricted Working Space, Add</i>	12.74	
23 05 29 00-0834 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	265.99	22.27
<i>For Work In Restricted Working Space, Add</i>	13.36	

23 05 29 00-0835 Attachments (23 05 29 00-0669)

23 05 29 00-0836 Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0835)

Note: Type 22.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0837	EA		3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	50.82	11.54
			<i>For Work In Restricted Working Space, Add</i>	6.92	
23 05 29 00-0838	EA		1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	54.23	12.13
			<i>For Work In Restricted Working Space, Add</i>	7.30	
23 05 29 00-0839	EA		5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	57.74	12.82
			<i>For Work In Restricted Working Space, Add</i>	7.70	
23 05 29 00-0840	EA		3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	73.62	13.63
			<i>For Work In Restricted Working Space, Add</i>	8.15	
23 05 29 00-0841	EA		7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	88.31	14.44
			<i>For Work In Restricted Working Space, Add</i>	8.66	
23 05 29 00-0842	EA		1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	123.74	16.52
			<i>For Work In Restricted Working Space, Add</i>	9.90	
23 05 29 00-0843	EA		1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	175.14	17.33
			<i>For Work In Restricted Working Space, Add</i>	10.40	
23 05 29 00-0844			C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0835)		
			Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0845	EA		3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	18.85	6.31
			<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0846	EA		1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	22.37	8.04
			<i>For Work In Restricted Working Space, Add</i>	4.95	
23 05 29 00-0847	EA		5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	25.32	8.66
			<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0848	EA		3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	32.28	9.27
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0849	EA		7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	46.36	9.90
			<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 29 00-0850			Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0835)		
			Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0851	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	50.39	8.65
			<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0852	EA		1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	73.53	11.13
			<i>For Work In Restricted Working Space, Add</i>	6.75	
23 05 29 00-0853	EA		5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	104.53	12.38
			<i>For Work In Restricted Working Space, Add</i>	7.42	
23 05 29 00-0854	EA		3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	124.97	13.61
			<i>For Work In Restricted Working Space, Add</i>	8.25	
23 05 29 00-0855	EA		1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	300.09	14.85
			<i>For Work In Restricted Working Space, Add</i>	9.28	
23 05 29 00-0856			Steel U-Bolts (B-Line B-3188) (23 05 29 00-0835)		
			Note: Type 24. Includes plate and nuts.		
23 05 29 00-0857	EA		1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	15.35	3.09
			<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0858	EA		3/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	16.63	3.71
			<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0859	EA		1" Pipe Size, Steel U-Bolt (B-Line B-3188).....	17.87	3.71
			<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0860	EA		1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	20.25	3.71
			<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0861	EA		1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	20.94	4.33
			<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-0862	EA		2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	22.41	4.33
			<i>For Work In Restricted Working Space, Add</i>	4.95	
23 05 29 00-0863	EA		2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	31.85	4.33
			<i>For Work In Restricted Working Space, Add</i>	5.30	
23 05 29 00-0864	EA		3" Pipe Size, Steel U-Bolt (B-Line B-3188).....	35.07	4.95
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0865	EA		4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	42.21	5.56
			<i>For Work In Restricted Working Space, Add</i>	6.18	
23 05 29 00-0866			Copper Standoff Brackets With Flange (23 05 29 00-0835)		
			Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0867	EA		Clamp Size 1/2", Copper Standoff Brackets With Flange.....	37.21	17.69
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 29 00-0868	EA		Clamp Size 3/4", Copper Standoff Brackets With Flange.....	37.32	17.69
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 29 00-0869	EA		Clamp Size 1", Copper Standoff Brackets With Flange.....	37.43	17.69
			<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 29 00-0870	EA		Clamp Size 1 1/4", Copper Standoff Brackets With Flange.....	39.80	18.80
			<i>For Work In Restricted Working Space, Add</i>	11.25	
23 05 29 00-0871	EA		Clamp Size 1 1/2", Copper Standoff Brackets With Flange.....	40.02	18.80
			<i>For Work In Restricted Working Space, Add</i>	11.25	
23 05 29 00-0872			Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0835)		
			Note: Type 16.		
23 05 29 00-0873	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	11.26	1.86
			<i>For Work In Restricted Working Space, Add</i>	1.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0874 EA 1/2" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	14.37 1.49	2.48
23 05 29 00-0875 EA 5/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	24.34 1.50	2.48
23 05 29 00-0876 EA 3/4" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	34.10 1.49	2.48
23 05 29 00-0877 EA 7/8" Rod Size, Malleable Iron Eye Socket <i>For Work In Restricted Working Space, Add</i>	36.90 1.85	3.09
23 05 29 00-0878 Steel Weldless Eye Nuts (B-Line B-3200) <small>(23 05 29 00-0835)</small>		
<i>Note: Type 17.</i>		
23 05 29 00-0879 EA 3/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	35.82 1.13	1.86
23 05 29 00-0880 EA 1/2" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	37.02 1.49	2.48
23 05 29 00-0881 EA 5/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	37.07 1.50	2.48
23 05 29 00-0882 EA 3/4" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	37.02 1.49	2.48
23 05 29 00-0883 EA 7/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	71.75 1.67	2.72
23 05 29 00-0884 EA 1" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	72.36 1.85	3.09
23 05 29 00-0885 Top Mount I-Beam Clamps (B-Line B-3042) <small>(23 05 29 00-0835)</small>		
<i>Note: For attaching threaded rod to either side of an I-beam.</i>		
23 05 29 00-0886 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	25.16 3.46	5.78
23 05 29 00-0887 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	30.16 3.82	6.35
23 05 29 00-0888 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	36.41 4.20	6.93
23 05 29 00-0889 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	49.60 4.42	7.51
23 05 29 00-0890 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	75.61 5.20	8.66
23 05 29 00-0891 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.42 3.46	5.78
23 05 29 00-0892 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	31.95 3.82	6.35
23 05 29 00-0893 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	36.41 4.20	6.93
23 05 29 00-0894 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	54.30 4.42	7.51
23 05 29 00-0895 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	83.64 5.20	8.66
23 05 29 00-0896 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	29.36 3.46	5.78
23 05 29 00-0897 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	35.26 3.82	6.35
23 05 29 00-0898 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	44.15 4.20	6.93
23 05 29 00-0899 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	63.09 4.42	7.51
23 05 29 00-0900 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	100.82 5.20	8.66
23 05 29 00-0901 Side Beam Brackets (B-Line B-3062) <small>(23 05 29 00-0835)</small>		
<i>Note: Type 34.</i>		
23 05 29 00-0902 EA 3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	20.94 4.64	8.04
23 05 29 00-0903 EA 1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	24.64 4.95	8.04
23 05 29 00-0904 EA 5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	31.56 5.30	8.66
23 05 29 00-0905 EA 3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	54.92 5.71	9.27
23 05 29 00-0906 EA 7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	64.15 6.19	10.52
23 05 29 00-0907 Hex Lag Bolts <small>(23 05 29 00-0835)</small>		
<i>Note: Also known as coach screws.</i>		
23 05 29 00-0908 EA 3/8" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.82 0.77	
23 05 29 00-0909 EA 3/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.51 0.80	
23 05 29 00-0910 EA 3/8" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.98 0.83	
23 05 29 00-0911 EA 3/8" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.85 0.86	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 29 00-0912	EA	3/8" x 10" Long, Hex Lag Bolt.....		5.18	
		<i>For Work In Restricted Working Space, Add</i>		0.89	
23 05 29 00-0913	EA	3/8" x 12" Long, Hex Lag Bolt.....		8.12	
		<i>For Work In Restricted Working Space, Add</i>		0.93	
23 05 29 00-0914	EA	1/2" x 3-1/2" Long, Hex Lag Bolt.....		5.50	
		<i>For Work In Restricted Working Space, Add</i>		0.93	
23 05 29 00-0915	EA	1/2" x 4" Long, Hex Lag Bolt.....		4.85	
		<i>For Work In Restricted Working Space, Add</i>		0.97	
23 05 29 00-0916	EA	1/2" x 6" Long, Hex Lag Bolt.....		5.70	
		<i>For Work In Restricted Working Space, Add</i>		1.01	
23 05 29 00-0917	EA	1/2" x 8" Long, Hex Lag Bolt.....		6.65	
		<i>For Work In Restricted Working Space, Add</i>		1.05	
23 05 29 00-0918	EA	1/2" x 10" Long, Hex Lag Bolt.....		7.91	
		<i>For Work In Restricted Working Space, Add</i>		1.10	
23 05 29 00-0919	EA	1/2" x 12" Long, Hex Lag Bolt.....		8.50	
		<i>For Work In Restricted Working Space, Add</i>		1.16	
23 05 29 00-0920	EA	5/8" x 4" Long, Hex Lag Bolt.....		8.12	
		<i>For Work In Restricted Working Space, Add</i>		1.03	
23 05 29 00-0921	EA	3/4" x 5" Long, Hex Lag Bolt.....		9.82	
		<i>For Work In Restricted Working Space, Add</i>		1.05	
23 05 29 00-0922		Hanger Strap <small>(23 05 29 00-0669)</small>			
23 05 29 00-0923	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....		5.98	
23 05 29 00-0924		Shields And Saddles <small>(23 05 29)</small>			
23 05 29 00-0925		Insulation Protection Shield <small>(23 05 29 00-0924)</small>			
		Note: Type 40.			
23 05 29 00-0926		Insulation Protection Shield (Cooper B-Line B3151) <small>(23 05 29 00-0925)</small>			
23 05 29 00-0927	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.63	2.97	2.97
		<i>For Work In Restricted Working Space, Add</i>		2.97	
23 05 29 00-0928	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	16.87	3.01	3.01
		<i>For Work In Restricted Working Space, Add</i>		3.01	
23 05 29 00-0929	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	17.27	3.04	3.04
		<i>For Work In Restricted Working Space, Add</i>		3.04	
23 05 29 00-0930	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	18.04	3.08	3.08
		<i>For Work In Restricted Working Space, Add</i>		3.08	
23 05 29 00-0931	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	19.89	3.16	3.16
		<i>For Work In Restricted Working Space, Add</i>		3.16	
23 05 29 00-0932	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	24.05	3.23	3.23
		<i>For Work In Restricted Working Space, Add</i>		3.23	
23 05 29 00-0933	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	27.82	3.30	3.30
		<i>For Work In Restricted Working Space, Add</i>		3.30	
23 05 29 00-0934	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	33.77	3.38	3.38
		<i>For Work In Restricted Working Space, Add</i>		3.38	
23 05 29 00-0935	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	43.07	3.42	3.42
		<i>For Work In Restricted Working Space, Add</i>		3.42	
23 05 29 00-0936	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	46.82	3.45	3.45
		<i>For Work In Restricted Working Space, Add</i>		3.45	
23 05 29 00-0937	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	64.01	3.49	3.49
		<i>For Work In Restricted Working Space, Add</i>		3.49	
23 05 29 00-0938	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	71.78	3.53	3.53
		<i>For Work In Restricted Working Space, Add</i>		3.53	
23 05 29 00-0939	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	132.16	3.56	3.56
		<i>For Work In Restricted Working Space, Add</i>		3.56	
23 05 29 00-0940	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	143.57	3.64	3.64
		<i>For Work In Restricted Working Space, Add</i>		3.64	
23 05 29 00-0941	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	173.30	3.71	3.71
		<i>For Work In Restricted Working Space, Add</i>		3.71	
23 05 29 00-0942		Insulation Protection Shield (Cooper B-Line B3154) <small>(23 05 29 00-0925)</small>			
23 05 29 00-0943	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.78	2.97	2.97
		<i>For Work In Restricted Working Space, Add</i>		2.97	
23 05 29 00-0944	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.99	3.01	3.01
		<i>For Work In Restricted Working Space, Add</i>		3.01	
23 05 29 00-0945	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.31	3.04	3.04
		<i>For Work In Restricted Working Space, Add</i>		3.04	
23 05 29 00-0946	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	15.90	3.08	3.08
		<i>For Work In Restricted Working Space, Add</i>		3.08	
23 05 29 00-0947	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	17.31	3.16	3.16
		<i>For Work In Restricted Working Space, Add</i>		3.16	
23 05 29 00-0948	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	20.40	3.23	3.23
		<i>For Work In Restricted Working Space, Add</i>		3.23	
23 05 29 00-0949	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	21.87	3.30	3.30
		<i>For Work In Restricted Working Space, Add</i>		3.30	
23 05 29 00-0950	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	27.58	3.38	3.38
		<i>For Work In Restricted Working Space, Add</i>		3.38	
23 05 29 00-0951	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	32.90	3.42	3.42
		<i>For Work In Restricted Working Space, Add</i>		3.42	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0952		Pipe Covering Protection Saddle (23 05 29 00-0924) <small>Note: Sizes are pipe sizes.</small>		
23 05 29 00-0953		Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0952)		
23 05 29 00-0954	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	25.39 4.09	4.09
23 05 29 00-0955	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	25.50 4.12	4.12
23 05 29 00-0956	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	25.62 4.16	4.16
23 05 29 00-0957	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	26.85 4.23	4.23
23 05 29 00-0958	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	26.96 4.26	4.26
23 05 29 00-0959	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	27.84 4.33	4.33
23 05 29 00-0960	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	30.84 4.40	4.40
23 05 29 00-0961	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	34.50 4.47	4.47
23 05 29 00-0962	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	38.68 4.61	4.61
23 05 29 00-0963	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	46.86 4.78	4.79
23 05 29 00-0964	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	52.25 4.85	4.85
23 05 29 00-0965	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	61.73 4.96	4.85
23 05 29 00-0966	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	67.29 5.02	5.02
23 05 29 00-0967		Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0952)		
23 05 29 00-0968	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	28.52 4.09	4.09
23 05 29 00-0969	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	28.63 4.12	4.12
23 05 29 00-0970	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	28.75 4.16	4.16
23 05 29 00-0971	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	29.77 4.23	4.23
23 05 29 00-0972	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	32.05 4.26	4.26
23 05 29 00-0973	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	34.47 4.33	4.33
23 05 29 00-0974	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	35.04 4.40	4.40
23 05 29 00-0975	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	39.67 4.47	4.40
23 05 29 00-0976	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	44.53 4.61	4.61
23 05 29 00-0977	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	52.60 4.78	4.79
23 05 29 00-0978	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	59.04 4.85	4.85
23 05 29 00-0979	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	70.10 4.96	4.96
23 05 29 00-0980	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	76.68 5.02	5.02
23 05 29 00-0981		Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0952)		
23 05 29 00-0982	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	30.51 4.30	4.29
23 05 29 00-0983	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	30.62 4.33	4.33
23 05 29 00-0984	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	32.20 4.37	4.37
23 05 29 00-0985	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	33.17 4.44	4.44
23 05 29 00-0986	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	34.01 4.47	4.47
23 05 29 00-0987	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	34.25 4.54	4.55
23 05 29 00-0988	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	36.16 4.61	4.62
23 05 29 00-0989	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	38.08 4.68	4.69
23 05 29 00-0990	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	48.34 4.85	4.84
23 05 29 00-0991	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	54.71 5.02	5.02

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0992 EA 10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	57.41	5.09
<i>For Work In Restricted Working Space, Add</i>	5.09	
23 05 29 00-0993 EA 12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	77.18	5.20
<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0994 EA 14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	85.37	5.28
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0995 EA 16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	93.81	5.41
<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-0996 EA 18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	102.25	5.54
<i>For Work In Restricted Working Space, Add</i>	5.54	
23 05 29 00-0997 EA 20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	112.08	5.69
<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0998 EA 24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	128.24	5.82
<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0999 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0992)		
23 05 29 00-1000 EA 1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.12	4.47
<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-1001 EA 1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.00	4.54
<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-1002 EA 2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.94	4.58
<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-1003 EA 2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.98	4.65
<i>For Work In Restricted Working Space, Add</i>	4.64	
23 05 29 00-1004 EA 3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	38.33	4.73
<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-1005 EA 4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	44.46	4.81
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-1006 EA 6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	50.82	4.96
<i>For Work In Restricted Working Space, Add</i>	4.96	
23 05 29 00-1007 EA 8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	59.09	5.14
<i>For Work In Restricted Working Space, Add</i>	5.13	
23 05 29 00-1008 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	63.31	5.22
<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-1009 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	79.18	5.33
<i>For Work In Restricted Working Space, Add</i>	5.34	
23 05 29 00-1010 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	93.88	5.41
<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-1011 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	108.83	5.53
<i>For Work In Restricted Working Space, Add</i>	5.54	
23 05 29 00-1012 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	115.59	5.67
<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-1013 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	123.11	5.82
<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-1014 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	130.62	5.96
<i>For Work In Restricted Working Space, Add</i>	5.96	
23 05 29 00-1015 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0992)		
23 05 29 00-1016 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	38.20	4.68
<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-1017 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	41.65	4.78
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 29 00-1018 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	43.44	4.85
<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-1019 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	45.23	4.92
<i>For Work In Restricted Working Space, Add</i>	4.92	
23 05 29 00-1020 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	51.92	5.06
<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-1021 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	65.04	5.27
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-1022 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	70.48	5.34
<i>For Work In Restricted Working Space, Add</i>	5.34	
23 05 29 00-1023 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	91.66	5.44
<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-1024 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	109.39	5.54
<i>For Work In Restricted Working Space, Add</i>	5.54	
23 05 29 00-1025 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	127.14	5.65
<i>For Work In Restricted Working Space, Add</i>	5.65	
23 05 29 00-1026 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	129.60	5.82
<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-1027 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	131.93	5.96
<i>For Work In Restricted Working Space, Add</i>	5.96	
23 05 29 00-1028 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	167.42	6.10
<i>For Work In Restricted Working Space, Add</i>	6.10	
23 05 29 00-1029 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0992)		
23 05 29 00-1030 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	43.05	4.78
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 29 00-1031 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	47.13	4.88
<i>For Work In Restricted Working Space, Add</i>	4.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1032 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	49.24	4.96
<i>For Work In Restricted Working Space, Add</i>	<i>4.96</i>	
23 05 29 00-1033 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	51.42	5.02
<i>For Work In Restricted Working Space, Add</i>	<i>5.02</i>	
23 05 29 00-1034 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	62.76	5.19
<i>For Work In Restricted Working Space, Add</i>	<i>5.20</i>	
23 05 29 00-1035 EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	74.07	5.38
<i>For Work In Restricted Working Space, Add</i>	<i>5.37</i>	
23 05 29 00-1036 EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	76.58	5.46
<i>For Work In Restricted Working Space, Add</i>	<i>5.48</i>	
23 05 29 00-1037 EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	97.90	5.57
<i>For Work In Restricted Working Space, Add</i>	<i>5.98</i>	
23 05 29 00-1038 EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	118.84	5.65
<i>For Work In Restricted Working Space, Add</i>	<i>5.65</i>	
23 05 29 00-1039 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	140.02	5.80
<i>For Work In Restricted Working Space, Add</i>	<i>5.79</i>	
23 05 29 00-1040 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	171.25	5.93
<i>For Work In Restricted Working Space, Add</i>	<i>5.93</i>	
23 05 29 00-1041 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	202.33	6.09
<i>For Work In Restricted Working Space, Add</i>	<i>6.10</i>	
23 05 29 00-1042 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	216.45	6.24
<i>For Work In Restricted Working Space, Add</i>	<i>6.24</i>	
23 05 29 00-1043 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	227.80	6.39
<i>For Work In Restricted Working Space, Add</i>	<i>6.41</i>	
23 05 29 00-1044 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	236.19	6.56
<i>For Work In Restricted Working Space, Add</i>	<i>6.55</i>	
23 05 29 00-1045 Adjustable Pipe Saddle Support (Cooper B-Line B3096) <small>(23 05 29 00-0924)</small>		
23 05 29 00-1046 EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	97.02	15.47
23 05 29 00-1047 EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	102.99	17.94
23 05 29 00-1048 EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	125.06	20.42
23 05 29 00-1049 EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	130.50	22.27
23 05 29 00-1050 EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	144.80	24.74
23 05 29 00-1051 EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	164.98	30.93
23 05 29 00-1052 EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	215.85	41.45
23 05 29 00-1053 EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	268.15	61.86
23 05 29 00-1054 Pipe Stanchion Support (Cooper B-Line B3090) <small>(23 05 29 00-0924)</small>		
23 05 29 00-1055 EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	119.61	15.47
23 05 29 00-1056 EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	124.03	17.94
23 05 29 00-1057 EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	132.93	19.18
23 05 29 00-1058 EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	135.82	20.42
23 05 29 00-1059 EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	142.87	22.27
23 05 29 00-1060 EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	151.62	24.74
23 05 29 00-1061 EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	192.47	30.93
23 05 29 00-1062 EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	259.58	41.45
23 05 29 00-1063 EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	340.55	61.86
23 05 29 00-1064 Pipe Saddle Support (Cooper B-Line B3095) <small>(23 05 29 00-0924)</small>		
23 05 29 00-1065 EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	62.36	15.47
23 05 29 00-1066 EA 3" Pipe Saddle Support (Cooper B-Line B3095)	66.78	17.94
23 05 29 00-1067 EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	99.73	19.18
23 05 29 00-1068 EA 4" Pipe Saddle Support (Cooper B-Line B3095)	102.62	20.42
23 05 29 00-1069 EA 5" Pipe Saddle Support (Cooper B-Line B3095)	112.77	22.27
23 05 29 00-1070 EA 6" Pipe Saddle Support (Cooper B-Line B3095)	125.02	24.74
23 05 29 00-1071 EA 8" Pipe Saddle Support (Cooper B-Line B3095)	143.72	30.93
23 05 29 00-1072 EA 10" Pipe Saddle Support (Cooper B-Line B3095)	168.32	41.45
23 05 29 00-1073 EA 12" Pipe Saddle Support (Cooper B-Line B3095)	213.89	61.86
23 05 29 00-1074 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0924)</small>		
<small>Note: Insert is for use as isolated protective insulation at hangers.</small>		
23 05 29 00-1075 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1074)</small>		
23 05 29 00-1076 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.10	8.04
23 05 29 00-1077 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.42	8.04
23 05 29 00-1078 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.51	8.04
23 05 29 00-1079 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.83	8.04
23 05 29 00-1080 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.13	8.53
23 05 29 00-1081 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.03	8.78
23 05 29 00-1082 EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.07	9.15
23 05 29 00-1083 EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.20	9.52
23 05 29 00-1084 EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.18	9.90
23 05 29 00-1085 EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.58	8.53
23 05 29 00-1086 EA 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.80	11.13
23 05 29 00-1087 EA 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.23	13.11
23 05 29 00-1088 EA 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.01	15.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1089 EA 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.81	15.71
23 05 29 00-1090 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1074)</small>		
23 05 29 00-1091 EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.49	6.06
23 05 29 00-1092 EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.09	6.06
23 05 29 00-1093 EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.47	6.18
23 05 29 00-1094 EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.05	6.31
23 05 29 00-1095 EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.60	6.31
23 05 29 00-1096 EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.57	6.55
23 05 29 00-1097 EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.67	6.81
23 05 29 00-1098 EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.25	6.93
23 05 29 00-1099 EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.38	7.54
23 05 29 00-1100 EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.96	12.98
23 05 29 00-1101 EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.52	9.77
23 05 29 00-1102 EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.15	11.50
23 05 29 00-1103 EA 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.33	13.24
23 05 29 00-1104 EA 14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.19	15.95
23 05 29 00-1105 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1074)</small>		
23 05 29 00-1106 EA 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.43	6.93
23 05 29 00-1107 EA 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.69	6.93
23 05 29 00-1108 EA 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.43	7.05
23 05 29 00-1109 EA 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.06	7.17
23 05 29 00-1110 EA 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.73	7.30
23 05 29 00-1111 EA 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.63	7.54
23 05 29 00-1112 EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.95	7.79
23 05 29 00-1113 EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.17	8.04
23 05 29 00-1114 EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.88	8.53
23 05 29 00-1115 EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.17	9.64
23 05 29 00-1116 EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.24	16.45
23 05 29 00-1117 EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.31	19.04
23 05 29 00-1118 EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.31	22.51
23 05 29 00-1119 EA 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	75.48	25.23
23 05 29 00-1120 EA 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	84.34	28.44
23 05 29 00-1121 EA 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	96.68	33.39
23 05 29 00-1122 EA 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	107.35	37.11
23 05 29 00-1123 EA 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	121.31	42.05
23 05 29 00-1124 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1074)</small>		
23 05 29 00-1125 EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.56	8.04
23 05 29 00-1126 EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.85	8.04
23 05 29 00-1127 EA 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.75	8.16
23 05 29 00-1128 EA 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.39	8.29
23 05 29 00-1129 EA 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.07	8.29
23 05 29 00-1130 EA 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.18	8.65
23 05 29 00-1131 EA 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.67	8.91
23 05 29 00-1132 EA 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.07	9.28
23 05 29 00-1133 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.13	9.77
23 05 29 00-1134 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.07	11.13
23 05 29 00-1135 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.02	12.37
23 05 29 00-1136 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.68	14.23
23 05 29 00-1137 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.70	17.69
23 05 29 00-1138 EA 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.48	19.42
23 05 29 00-1139 EA 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	93.30	24.74
23 05 29 00-1140 EA 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	100.03	25.97
23 05 29 00-1141 EA 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	113.63	29.69
23 05 29 00-1142 EA 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.11	35.86
23 05 29 00-1143 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1074)</small>		
23 05 29 00-1144 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.27	8.29
23 05 29 00-1145 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.77	8.65
23 05 29 00-1146 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.10	8.65
23 05 29 00-1147 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.61	8.91
23 05 29 00-1148 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.37	9.15
23 05 29 00-1149 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.36	9.28
23 05 29 00-1150 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	70.89	9.52
23 05 29 00-1151 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.00	10.14
23 05 29 00-1152 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.55	10.51
23 05 29 00-1153 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	93.30	12.86
23 05 29 00-1154 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	120.50	14.10
23 05 29 00-1155 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	143.32	14.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1156 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	164.57	19.17
23 05 29 00-1157 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	185.26	20.41
23 05 29 00-1158 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	222.03	27.21
23 05 29 00-1159 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	238.99	29.69
23 05 29 00-1160 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	270.63	32.16
23 05 29 00-1161 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	317.98	39.58
23 05 29 00-1162 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1074)		
23 05 29 00-1163 EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.56	8.04
23 05 29 00-1164 EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.67	9.77
23 05 29 00-1165 EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.92	9.77
23 05 29 00-1166 EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.66	9.90
23 05 29 00-1167 EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.58	10.02
23 05 29 00-1168 EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.77	10.39
23 05 29 00-1169 EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.58	10.76
23 05 29 00-1170 EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.14	11.13
23 05 29 00-1171 EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.99	11.75
23 05 29 00-1172 EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.88	13.36
23 05 29 00-1173 EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.17	14.84
23 05 29 00-1174 EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.82	17.06
23 05 29 00-1175 EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.63	21.27
23 05 29 00-1176 EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.19	23.25
23 05 29 00-1177 EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	111.98	29.69
23 05 29 00-1178 EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	120.05	31.17
23 05 29 00-1179 EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	136.42	35.62
23 05 29 00-1180 EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	160.95	43.04
23 05 29 00-1181 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1074)		
23 05 29 00-1182 EA 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.09	10.88
23 05 29 00-1183 EA 3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.50	10.88
23 05 29 00-1184 EA 1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.72	11.01
23 05 29 00-1185 EA 1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.69	11.13
23 05 29 00-1186 EA 1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.42	11.13
23 05 29 00-1187 EA 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.45	11.87
23 05 29 00-1188 EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.00	12.00
23 05 29 00-1189 EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.93	12.49
23 05 29 00-1190 EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.07	13.24
23 05 29 00-1191 EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.72	14.96
23 05 29 00-1192 EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.89	16.21
23 05 29 00-1193 EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.94	19.30
23 05 29 00-1194 EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	94.11	23.99
23 05 29 00-1195 EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	106.00	26.10
23 05 29 00-1196 EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	126.04	33.39
23 05 29 00-1197 EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.98	35.01
23 05 29 00-1198 EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	151.76	40.07
23 05 29 00-1199 EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	181.09	48.49
23 05 29 00-1200 EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	206.77	57.02
23 05 29 00-1201 EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	235.60	67.29
23 05 29 00-1202 EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	267.01	79.52
23 05 29 00-1203 EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	383.14	122.82
23 05 29 00-1204 EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	413.03	135.19
23 05 29 00-1205 EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	440.31	145.95
23 05 29 00-1206 Equipment Housekeeping Pads (23 05 29)		
See CSI section 03 31 13 00-0089 for Concrete Equipment Pads.		
23 05 29 00-1207 Molded Plastic Condenser Pad (23 05 29 00-1206)		
23 05 29 00-1208 EA 30" Round Molded Plastic Pad.....	166.44	15.46
23 05 29 00-1209 EA 30" Octagon Molded Plastic Pad.....	175.35	15.46
23 05 29 00-1210 EA 30" x 30" Molded Plastic Pad.....	166.44	15.46
23 05 29 00-1211 EA 36" x 36" Molded Plastic Pad.....	219.85	15.46
23 05 29 00-1212 EA 36" x 48" Molded Plastic Pad.....	319.77	15.46
23 05 29 00-1213 Inertia Base (23 05 29 00-1206)		
Note: Includes spring isolators.		
23 05 29 00-1214 EA Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	4,226.05	
23 05 29 00-1215 EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	5,113.28	
23 05 29 00-1216 EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	5,857.37	
23 05 29 00-1217 EA >20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	6,696.89	
23 05 29 00-1218 Hanger Assemblies (23 05 29)		
Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1219	EA		1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	58.31 12.38	19.24
23 05 29 00-1220	EA		3/4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	60.59 13.06	20.37
23 05 29 00-1221	EA		1" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	62.46 13.60	21.60
23 05 29 00-1222	EA		1-1/4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	63.44 13.81	21.63
23 05 29 00-1223	EA		1-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	63.70 13.81	21.63
23 05 29 00-1224	EA		2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	64.87 14.00	21.80
23 05 29 00-1225	EA		2-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	75.79 13.78	22.55
23 05 29 00-1226	EA		3" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	77.79 14.00	23.20
23 05 29 00-1227	EA		4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	96.80 15.46	26.19
23 05 29 00-1228	EA		6" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	147.37 20.30	33.84
23 05 29 00-1229	EA		8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	166.71 23.55	39.26
23 05 29 00-1230	EA		10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	222.86 29.55	49.86
23 05 29 00-1231	EA		12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	241.82 32.25	53.66
23 05 29 00-1232			Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1233			Angle Iron For Hanger Devices (23 05 29 00-1232)		
23 05 29 00-1234	LF		1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.96	1.80
23 05 29 00-1235	LF		3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.87	2.24
23 05 29 00-1236	LF		1" x 1" x 1/8" Angle Iron For Hanger Devices	4.78	2.69
23 05 29 00-1237	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.67	3.35
23 05 29 00-1238	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.45	3.59
23 05 29 00-1239	LF		2" x 2" x 1/4" Angle Iron For Hanger Devices	10.13	4.03
23 05 29 00-1240	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.63	4.91
23 05 29 00-1241	LF		3" x 2" x 3/8" Angle Iron For Hanger Devices	16.45	5.76
23 05 29 00-1242	LF		3" x 3" x 3/8" Angle Iron For Hanger Devices	19.67	6.73
23 05 29 00-1243			Channels For Hanger Devices (23 05 29 00-1232)		
23 05 29 00-1244	LF		C2 x 1.78, 2" Wide Channels For Hanger Devices	8.46	4.39
23 05 29 00-1245	LF		C3 x 4.1, 3" Wide Channels For Hanger Devices	14.52	6.30
23 05 29 00-1246	LF		C4 x 5.4, 4" Wide Channels For Hanger Devices	18.14	7.57
23 05 29 00-1247	LF		C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.75	8.84
23 05 29 00-1248	LF		C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.35	10.61
23 05 29 00-1249	LF		C7 x 9.8 - 7" Wide Channels For Hanger Devices	31.42	12.63
23 05 29 00-1250	LF		C8 x 11.5 - 8" Wide Channels For Hanger Devices	35.64	13.89
23 05 29 00-1251			Structural Bar Tees For Hanger Devices (23 05 29 00-1232)		
23 05 29 00-1252	LF		3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	9.37	6.17
23 05 29 00-1253	LF		1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	11.28	7.29
23 05 29 00-1254	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.20	8.42
23 05 29 00-1255	LF		2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	20.86	11.22
23 05 29 00-1256	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	28.65	13.46
23 05 29 00-1257	LF		3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	35.91	17.39
23 05 29 00-1258			Structural Zees For Hanger Devices (23 05 29 00-1232)		
23 05 29 00-1259	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	16.22	8.42
23 05 29 00-1260	LF		2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.56	8.42
23 05 29 00-1261	LF		3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	28.66	8.42
23 05 29 00-1262	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	36.28	8.42
23 05 29 00-1263	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	44.27	8.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1264 Junior I-beams For Hanger Devices <small>(23 05 29 00-1232)</small>		
23 05 29 00-1265 LF 3" I-beam (Junior) For Hanger Devices	20.12	12.35
23 05 29 00-1266 LF 4" I-beam (Junior) For Hanger Devices	23.17	13.46
23 05 29 00-1267 LF 5" I-beam (Junior) For Hanger Devices	26.76	14.59
23 05 29 00-1268 LF 6" I-beam (Junior) For Hanger Devices	29.27	16.27
23 05 29 00-1269 LF 7" I-beam (Junior) For Hanger Devices	34.86	17.39
23 05 29 00-1270 LF 8" I-beam (Junior) For Hanger Devices	37.75	18.52
 23 05 33 Heat Tracing for HVAC Piping <small>(23 05)</small>		
<small>See CSI section 23 83 13 00-0000 for heat tracing cables.</small>		
 23 05 48 Vibration and Seismic Controls for HVAC <small>(23 05)</small>		
23 05 48 13 Vibration Controls for HVAC <small>(23 05 48)</small>		
23 05 48 13-0001 Unhoused Stable Steel Spring Isolators <small>(23 05 48 13)</small>		
<small>Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.</small>		
23 05 48 13-0002 EA 60 LB Unhoused Steel Spring Isolator	108.14	34.62
23 05 48 13-0003 EA 115 LB Unhoused Steel Spring Isolator	114.46	34.62
23 05 48 13-0004 EA 1,130 LB Unhoused Steel Spring Isolator	135.40	34.62
 23 05 48 13-0005 Housed Stable Steel Spring Isolators <small>(23 05 48 13)</small>		
<small>Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.</small>		
23 05 48 13-0006 EA To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	327.48	34.62
23 05 48 13-0007 EA To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	367.29	34.62
23 05 48 13-0008 EA To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	387.20	34.62
23 05 48 13-0009 EA To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	466.82	34.62
23 05 48 13-0010 EA To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	486.73	34.62
23 05 48 13-0011 EA To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	362.31	34.62
23 05 48 13-0012 EA To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	397.15	34.62
23 05 48 13-0013 EA To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	422.03	34.62
23 05 48 13-0014 EA To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	536.49	34.62
23 05 48 13-0015 EA To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	581.28	34.62
23 05 48 13-0016 EA To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	685.79	34.62
 23 05 48 13-0017 Vibration Isolators <small>(23 05 48 13)</small>		
23 05 48 13-0018 Spring And Rubber Hanger For 1" Deflection <small>(23 05 48 13-0017)</small>		
23 05 48 13-0019 EA 50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	137.22	22.27
23 05 48 13-0020 EA 600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	283.21	24.74
 23 05 48 13-0021 Rubber-In-Shear Isolator Hanger <small>(23 05 48 13-0017)</small>		
23 05 48 13-0022 EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	77.81	18.56
23 05 48 13-0023 EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	100.39	22.27
 23 05 48 13-0024 Spring Hanger For 1" Deflection <small>(23 05 48 13-0017)</small>		
23 05 48 13-0025 EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	88.53	22.27
 23 05 48 13-0026 Rubber-In-Shear Vibration Isolator <small>(23 05 48 13-0017)</small>		
23 05 48 13-0027 EA 45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	163.05	42.07
23 05 48 13-0028 EA 130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	218.94	42.07
23 05 48 13-0029 EA 550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	410.74	42.07
 23 05 48 13-0030 Two-Piece Spring Type Vibration Isolator <small>(23 05 48 13-0017)</small>		
<small>Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.</small>		
23 05 48 13-0031 EA 50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	139.50	42.07
23 05 48 13-0032 EA >1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	143.66	42.07
 23 05 48 13-0033 Open Double Spring Type Vibration Isolator <small>(23 05 48 13-0017)</small>		
<small>Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.</small>		
23 05 48 13-0034 EA 150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	105.64	21.03
23 05 48 13-0035 EA 500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	105.64	21.03
23 05 48 13-0036 EA 1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	119.52	21.03
23 05 48 13-0037 EA 1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	119.52	21.03
23 05 48 13-0038 EA 2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	182.32	21.03
 23 05 48 13-0039 Isolation Pads <small>(23 05 48 13-0017)</small>		
23 05 48 13-0040 Laminated Neoprene And Cork Isolation Pad <small>(23 05 48 13-0039)</small>		
23 05 48 13-0041 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.34	3.09

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48	13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	9.24	3.21
23 05 48	13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	11.40	3.34
23 05 48	13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	42.78	3.84
23 05 48	13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	81.13	4.33
23 05 48	13-0046		Neoprene And Steel Plate Isolation Pad (23 05 48 13-0039)		
23 05 48	13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	208.54	3.09
23 05 48	13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	230.96	3.09
23 05 48	13-0049		Neoprene Isolation Pad (23 05 48 13-0039)		
23 05 48	13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.89	3.09
23 05 48	13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	7.80	3.09
23 05 48	13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	9.20	3.09
23 05 48	13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	42.10	3.71
23 05 48	13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	76.30	4.33
23 05 48	13-0055		Threaded Flexible Bronze Hose Connectors (23 05 48 13)		
			Note: Includes hex threaded nipple ends.		
23 05 48	13-0056	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	75.78	19.79
23 05 48	13-0057	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	89.67	27.22
23 05 48	13-0058	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	109.95	33.41
23 05 48	13-0059	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	128.14	39.59
23 05 48	13-0060	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	147.13	51.97
23 05 48	13-0061	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	165.87	55.30
23 05 48	13-0062	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	221.28	65.58
23 05 48	13-0063	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	303.63	102.20
23 05 48	13-0064		Weld End Flexible Hose Connectors (23 05 48 13)		
23 05 48	13-0065	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends.....	279.07	71.02
23 05 48	13-0066	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends.....	326.36	77.94
23 05 48	13-0067	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends.....	368.39	82.52
23 05 48	13-0068	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends.....	411.78	94.03
23 05 48	13-0069	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends.....	467.46	101.45
23 05 48	13-0070	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends.....	586.53	132.01
23 05 48	13-0071	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends.....	884.61	148.47
23 05 48	13-0072	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends.....	1,093.62	167.03
23 05 48	13-0073	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends.....	1,511.96	247.45
23 05 48	13-0074		Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48	13-0075		Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0074)		
			Note: With helical wire reinforcement 150 PSI.		
23 05 48	13-0076	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	230.21	92.79
23 05 48	13-0077	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	249.52	103.06
23 05 48	13-0078	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	412.16	205.87
23 05 48	13-0079	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	574.71	306.21
23 05 48	13-0080	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	747.73	395.30
23 05 48	13-0081	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	935.86	411.33
23 05 48	13-0082	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,132.76	469.80
23 05 48	13-0083	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,458.88	559.08
23 05 48	13-0084	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	3,633.12	699.27
23 05 48	13-0085		Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0074)		
			Note: With braided metal wire.		
23 05 48	13-0086	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	181.21	84.38
23 05 48	13-0087	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	181.55	116.05
23 05 48	13-0088	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	337.72	154.65
23 05 48	13-0089	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	443.40	231.98
23 05 48	13-0090	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	477.79	255.25
23 05 48	13-0091	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	557.21	309.06
23 05 48	13-0092	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	713.48	395.66
23 05 48	13-0093	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,451.04	639.90
23 05 48	13-0094	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,265.77	545.87
23 05 48	13-0095	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	977.48	492.61
23 05 48	13-0096	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,839.17	617.00
23 05 48	13-0097	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,570.40	658.14



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 05 48 13-0098 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,846.09	761.03
				23 05 48 13-0099 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,349.85	822.67
23 05 48 13-0100		Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0074)				
Note: 150 PSI.						
				23 05 48 13-0101 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	964.95	179.39
				23 05 48 13-0102 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,083.62	210.33
				23 05 48 13-0103 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,647.49	353.49
				23 05 48 13-0104 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,003.51	411.33
				23 05 48 13-0105 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,622.31	504.58
23 05 48 13-0106		Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)				
23 05 48 13-0107		Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0106)				
Note: MPT connection.						
				23 05 48 13-0108 EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	37.74	2.47
				23 05 48 13-0109 EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.99	2.47
				23 05 48 13-0110 EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	50.20	3.21
				23 05 48 13-0111 EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.88	3.21
				23 05 48 13-0112 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	50.45	2.97
				23 05 48 13-0113 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	60.80	2.97
				23 05 48 13-0114 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	69.69	3.84
				23 05 48 13-0115 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	85.80	3.84
				23 05 48 13-0116 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	68.69	3.46
				23 05 48 13-0117 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	75.04	3.46
				23 05 48 13-0118 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	89.31	4.57
				23 05 48 13-0119 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	112.87	4.57
				23 05 48 13-0120 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	136.25	4.57
				23 05 48 13-0121 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	159.71	4.57
				23 05 48 13-0122 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	97.74	4.45
				23 05 48 13-0123 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	107.62	4.45
				23 05 48 13-0124 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	137.76	4.45
				23 05 48 13-0125 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	191.48	5.92
				23 05 48 13-0126 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	221.85	5.92
				23 05 48 13-0127 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	262.26	5.92
				23 05 48 13-0128 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	133.62	5.36
				23 05 48 13-0129 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	154.29	5.36
				23 05 48 13-0130 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	194.31	5.36
				23 05 48 13-0131 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	259.15	7.17
				23 05 48 13-0132 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	320.15	7.17
				23 05 48 13-0133 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	381.09	7.17
				23 05 48 13-0134 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	185.28	6.72
				23 05 48 13-0135 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	210.73	6.38
				23 05 48 13-0136 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	236.44	6.38
				23 05 48 13-0137 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	291.74	8.54
				23 05 48 13-0138 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	343.45	8.54
				23 05 48 13-0139 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	393.54	8.54
				23 05 48 13-0140 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	291.77	8.54
				23 05 48 13-0141 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	326.11	8.54
				23 05 48 13-0142 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,671.38	8.54
				23 05 48 13-0143 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	2,010.61	11.39
				23 05 48 13-0144 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	504.54	11.39
				23 05 48 13-0145 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	572.12	11.39
				23 05 48 13-0146 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	531.75	9.65
				23 05 48 13-0147 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	571.87	9.65
				23 05 48 13-0148 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	612.00	9.65
				23 05 48 13-0149 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	700.06	12.87
				23 05 48 13-0150 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	780.01	12.87
				23 05 48 13-0151 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	861.67	12.87
23 05 48 13-0152		Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0106)				
Note: Over braided carbon steel connection.						
				23 05 48 13-0153 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	158.96	5.43
				23 05 48 13-0154 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	191.79	5.43
				23 05 48 13-0155 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	224.01	5.43
				23 05 48 13-0156 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	293.23	7.28
				23 05 48 13-0157 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	358.53	7.28
				23 05 48 13-0158 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	423.76	7.28
				23 05 48 13-0159 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	180.26	6.38
				23 05 48 13-0160 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	214.57	6.38

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	249.04	6.38
23 05 48 13-0162	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	322.70	8.54
23 05 48 13-0163	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	391.36	8.54
23 05 48 13-0164	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	459.07	8.54
23 05 48 13-0165	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	191.72	8.54
23 05 48 13-0166	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	231.03	8.77
23 05 48 13-0167	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	270.90	8.54
23 05 48 13-0168	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	358.78	11.39
23 05 48 13-0169	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	438.09	11.39
23 05 48 13-0170	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	519.65	11.39
23 05 48 13-0171	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	386.45	16.63
23 05 48 13-0172	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	568.25	16.74
23 05 48 13-0173	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	761.98	22.06
23 05 48 13-0174	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	943.85	22.06
23 05 48 13-0175	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,125.67	22.06
23 05 48 13-0176	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	666.57	19.61
23 05 48 13-0177	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	804.11	19.61
23 05 48 13-0178	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,089.97	25.49
23 05 48 13-0179	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,362.83	25.49
23 05 48 13-0180	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,635.61	25.49
23 05 48 13-0181	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	714.73	24.50
23 05 48 13-0182	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,058.60	24.50
23 05 48 13-0183	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,417.69	31.91
23 05 48 13-0184	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,762.77	31.91
23 05 48 13-0185	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,106.38	31.91
23 05 48 13-0186	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,414.33	29.63
23 05 48 13-0187	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,843.47	29.63
23 05 48 13-0188	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,306.79	39.87
23 05 48 13-0189	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,739.70	39.87
23 05 48 13-0190	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,174.63	39.87
23 05 48 13-0191		Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 13-0106)</small>		
		Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0192	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	741.10	5.36
23 05 48 13-0193	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,234.13	151.81
23 05 48 13-0194	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,549.81	151.81
23 05 48 13-0195	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,865.50	151.81
23 05 48 13-0196	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,181.31	151.81
23 05 48 13-0197	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,068.82	193.61
23 05 48 13-0198	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,401.48	193.61
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,734.26	193.61
23 05 48 13-0200	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,067.17	193.61
23 05 48 13-0201	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,394.25	193.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0202 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,424.91	324.58
23 05 48 13-0203 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,813.20	325.39
23 05 48 13-0204 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,207.81	324.58
23 05 48 13-0205 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,649.00	324.58
23 05 48 13-0206 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,986.12	324.58
23 05 48 13-0207 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,310.68	415.81
23 05 48 13-0208 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,190.46	415.81
23 05 48 13-0209 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,070.74	417.30
23 05 48 13-0210 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,950.65	415.81
23 05 48 13-0211 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,830.43	415.81
23 05 48 13-0212 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,020.42	501.09
23 05 48 13-0213 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,685.98	501.09
23 05 48 13-0214 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,005.59	501.09
23 05 48 13-0215 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	7,325.70	501.09
23 05 48 13-0216 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	8,645.19	501.09
23 05 48 13-0217 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,818.53	610.01
23 05 48 13-0218 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	8,476.75	610.01
23 05 48 13-0219 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	10,146.12	610.01
23 05 48 13-0220 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	11,811.89	610.01
23 05 48 13-0221 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	13,158.14	610.01
23 05 48 13-0222 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	9,360.18	740.73
23 05 48 13-0223 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	11,464.42	740.73
23 05 48 13-0224 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	13,568.54	740.73
23 05 48 13-0225 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	15,672.65	740.73
23 05 48 13-0226 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	17,776.89	740.73

23 05 53 Identification for HVAC Piping and Equipment (23 05)

23 05 53 00-0001 Systems Identification (23 05 53)
23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker.....	22.61
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker.....	22.93
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker.....	23.09
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	23.43
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	27.37
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker.....	27.93
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	45.02
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker.....	45.46
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	45.94
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker.....	46.19
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	46.45
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker.....	46.73
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker.....	48.98
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker.....	49.28
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker.....	61.02
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker.....	62.99
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker.....	72.48
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker.....	83.15

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.41
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.03
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 53 Identification for HVAC Piping and Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.51	
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.66	
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.05	
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.40	
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.90	
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.26	
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.64	
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.41	
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.25	
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.97	
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.70	
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.32	
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	28.67	
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	33.53	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass	12.71	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic	11.96	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass	11.73	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0002 EA 18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)	1,037.32	81.67
Note: Includes tube.		
23 05 66 00-0003 EA 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)	1,082.83	85.71
Note: Includes tube.		
23 05 66 00-0004 EA 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)	1,085.43	89.38
Note: Includes tube.		
23 05 66 00-0005 EA 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)	1,136.14	93.92
Note: Includes tube.		
23 05 66 00-0006 EA 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)	1,229.88	97.95
Note: Includes tube.		
23 05 66 00-0007 EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)	1,127.62	101.02
Note: Includes tube.		

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0009 EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	867.95	56.57
Note: Includes tube.		
23 05 66 00-0010 EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	879.32	61.22
Note: Includes tube.		
23 05 66 00-0011 EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	901.19	64.89
Note: Includes tube.		
23 05 66 00-0012 EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)	911.82	69.79
Note: Includes tube.		
23 05 66 00-0013 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)	934.44	73.47
Note: Includes tube.		
23 05 66 00-0014 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)	951.06	77.14
Note: Includes tube.		
23 05 66 00-0015 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)	972.93	82.04
Note: Includes tube.		
23 05 66 00-0016 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)	990.23	56.57
Note: Includes tube.		
23 05 66 00-0017 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)	1,001.60	61.22
Note: Includes tube.		
23 05 66 00-0018 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)	1,023.47	64.89
Note: Includes tube.		
23 05 66 00-0019 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)	1,034.10	69.79
Note: Includes tube.		
23 05 66 00-0020 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO)	1,056.72	73.47
Note: Includes tube.		
23 05 66 00-0021 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO)	1,073.34	77.14
Note: Includes tube.		
23 05 66 00-0022 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO)	1,095.21	82.04
Note: Includes tube.		
23 05 66 00-0023 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO)	687.91	61.22
Note: Includes tube.		
23 05 66 00-0024 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO)	709.78	64.89
Note: Includes tube.		
23 05 66 00-0025 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO)	720.41	69.79
Note: Includes tube.		
23 05 66 00-0026 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO)	743.03	73.47
Note: Includes tube.		
23 05 66 00-0027 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO)	759.65	77.14
Note: Includes tube.		
23 05 66 00-0028 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO)	781.52	82.04
Note: Includes tube.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0029			Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)		
23 05 66 00-0030	EA		16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	635.57	78.37
23 05 66 00-0031	EA		20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	649.29	82.04
23 05 66 00-0032	EA		24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	663.01	85.71
23 05 66 00-0033	EA		30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	681.65	89.38
23 05 66 00-0034	EA		36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	705.91	93.92
23 05 66 00-0035	EA		42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	727.22	97.95
23 05 66 00-0036			Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)		
23 05 66 00-0037	EA		18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO) 168.02		
23 05 66 00-0038	EA		24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO) 176.69		
23 05 66 00-0039	EA		30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO) 201.13		
23 05 66 00-0040	EA		36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO) 232.59		
23 05 66 00-0041	EA		42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO) 264.76		
23 05 66 00-0042	EA		62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO) 261.34		
23 05 66 00-0043	EA		12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO) 121.44		
23 05 66 00-0044	EA		16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO) 127.91		
23 05 66 00-0045	EA		20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO) 144.89		
23 05 66 00-0046	EA		24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO) 150.61		
23 05 66 00-0047	EA		30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO) 168.33		
23 05 66 00-0048	EA		36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO) 180.06		
23 05 66 00-0049	EA		42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO) 197.03		
23 05 66 00-0050	EA		Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire) 494.40		
23 05 66 00-0051			Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)		
23 05 66 00-0052	EA		Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) 696.99 Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0053	EA		Two Spring Clip, 61" Steeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) 894.19 Note: Includes 61" emitter, power supply, wires and connectors.		
23 05 66 00-0054	EA		Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) 403.08 Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0055	EA		Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) 427.23 Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0056	EA		Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) 555.84 Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0057	EA		Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) 343.85 Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0058	EA		Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) 373.54 Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0059	EA		16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) 485.20 Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0060	EA		12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) 478.35 Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0061	LF		30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101) 17.98		
23 05 66 00-0062	EA		Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111) 60.38		
23 05 66 00-0063	EA		Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112) 20.51		
23 05 66 00-0064	EA		Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113) 19.31		
23 05 66 00-0065	EA		Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104) 55.49		
23 05 66 00-0066	EA		Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114) 67.17		
23 05 66 00-0067	EA		Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108) 59.55		
23 05 66 00-0068	EA		Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115) 48.13		
23 05 66 00-0069	EA		ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109) 45.41		
23 05 66 00-0070	EA		DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223) 24.10		
23 05 66 00-0071	EA		DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603) 51.18		
23 05 66 00-0072	EA		Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100) 24.20		
23 05 66 00-0073	EA		480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503) 97.69		
23 05 66 00-0074	EA		Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120) 102.80		
23 05 66 00-0075			Ultraviolet Duct Disinfection Unit (eLEDLights) (23 05 66)		
23 05 66 00-0076	EA		Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1) 1,431.35	113.26	
23 05 66 00-0077	EA		Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1) 1,601.46	119.38	
23 05 66 00-0078	EA		Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1) 1,661.38	128.57	
23 05 66 00-0079	EA		Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1) 1,737.91	137.75	
23 05 66 00-0080	EA		Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1) 1,789.51	146.93	
23 05 66 00-0081	EA		Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1) 2,159.06	153.05	
23 05 66 00-0082	EA		Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1) 2,164.83	119.38	
23 05 66 00-0083	EA		Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1) 2,249.67	128.57	
23 05 66 00-0084	EA		Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1) 2,600.41	137.75	
23 05 66 00-0085	EA		Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1) 2,701.86	146.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 66 00-0086		Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) <small>(23 05 66)</small>	
Note: Includes 2 Year Warranty			
23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-218D-HO)	1,364.70 119.38
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-218Q-HO)	2,362.99 119.38
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-218H-HO)	3,362.63 119.38
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-224D-HO)	1,399.19 128.57
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-224Q-HO)	2,410.92 128.57
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-224H-HO)	3,424.00 128.57
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-232D-HO)	1,431.00 137.75
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-232Q-HO)	2,458.85 137.75
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-232H-HO)	3,485.36 137.75
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-246D-HO)	1,583.87 153.05
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-246Q-HO)	2,709.81 153.05
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-246H-HO)	3,835.75 153.05
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-260D-HO)	1,860.37 168.36
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-260Q-HO)	3,233.53 168.36
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVV-ADS-260H-HO)	4,605.35 168.36

23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001		Heating And Ventilating Equipment <small>(23 05 93)</small>	
23 05 93 00-0002	EA	Balancing Centrifugal Fans	550.05
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-275.03
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	687.29
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-343.65
23 05 93 00-0004	EA	Balancing In Line Fan	618.81
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-309.41
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	137.51
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-68.76
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	412.50
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-206.25
23 05 93 00-0007	EA	Balancing Wall Fan	103.11
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-51.56
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	549.18
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-274.59

23 05 93 00-0009 **Air Conditioning Equipment** (23 05 93)

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	911.79
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-455.90
23 05 93 00-0011	EA	Balancing Package A/C Unit	341.92
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-170.96
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	455.89
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-227.95
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,595.63
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-797.82

23 05 93 00-0014 **Registers, Diffusers, Terminal Air Units And Dampers** (23 05 93)

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	103.13
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-51.57
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	171.90
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-85.95
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	89.38
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-44.69
23 05 93 00-0018	EA	Balance Variable Air Volume Box	96.84
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.42
23 05 93 00-0019	EA	Balance Constant Volume Box	96.84
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.42
23 05 93 00-0020	EA	Balance Fan Powered Box	110.01
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-55.01
23 05 93 00-0021	EA	Balance Lab Fume Hood	446.93
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-223.47
23 05 93 00-0022	EA	Balance General Hood	343.78
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-171.89
23 05 93 00-0023	EA	Balance Induction Unit	206.27
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-103.14
23 05 93 00-0024	EA	Balance Moduline - Master	82.48
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.24
23 05 93 00-0025	EA	Balance Moduline - Slave	41.25
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-20.63
23 05 93 00-0026	EA	Balance Dampers	38.31
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-19.16
23 05 93 00-0027	EA	Balance Regenerators	549.18
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-274.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0028 Water Balancing Of Components <small>(23 05 93)</small>		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser	626.92	
For Testing Of Unit Without Balancing, Deduct	-313.46	
23 05 93 00-0030 EA Water Balance, Cabinet Heater	79.78	
For Testing Of Unit Without Balancing, Deduct	-39.89	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled	683.79	
For Testing Of Unit Without Balancing, Deduct	-341.90	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled	911.79	
For Testing Of Unit Without Balancing, Deduct	-455.90	
23 05 93 00-0033 EA Water Balance, Cooling Tower	455.89	
For Testing Of Unit Without Balancing, Deduct	-227.95	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent	114.04	
For Testing Of Unit Without Balancing, Deduct	-57.02	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel	113.98	
For Testing Of Unit Without Balancing, Deduct	-56.99	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil	125.37	
For Testing Of Unit Without Balancing, Deduct	-62.69	
23 05 93 00-0037 EA Water Balance, Pumps	341.93	
For Testing Of Unit Without Balancing, Deduct	-170.97	
23 05 93 00-0038 EA Water Balance, Unit Heater	79.78	
For Testing Of Unit Without Balancing, Deduct	-39.89	
23 05 93 00-0039 EA Water Balancing, Converter	342.06	
For Testing Of Unit Without Balancing, Deduct	-171.03	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves	56.98	
For Testing Of Unit Without Balancing, Deduct	-28.49	
23 05 93 00-0041 EA Water Balance, Convactor	68.37	
For Testing Of Unit Without Balancing, Deduct	-34.19	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	85.48	
For Testing Of Unit Without Balancing, Deduct	-42.74	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH	740.83	
For Testing Of Unit Without Balancing, Deduct	-370.42	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler	1,367.69	
For Testing Of Unit Without Balancing, Deduct	-683.85	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler	2,507.44	
For Testing Of Unit Without Balancing, Deduct	-1,253.72	
23 05 93 00-0046 Non-Destructive Testing <small>(23 05 93)</small>		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing <small>(23 05 93 00-0046)</small>		
23 05 93 00-0048 Minimum Charge For X-Ray Welds <small>(23 05 93 00-0047)</small>		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge	1,027.46	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing <small>(23 05 93 00-0047)</small>		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	95.34	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non-Destructive Testing	108.44	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	121.54	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non-Destructive Testing	128.46	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non-Destructive Testing	135.37	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non-Destructive Testing	143.01	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non-Destructive Testing	156.83	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non-Destructive Testing	170.66	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non-Destructive Testing	178.31	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non-Destructive Testing	185.95	
23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing <small>(23 05 93 00-0046)</small>		
23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing <small>(23 05 93 00-0061)</small>		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	122.29	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	128.48	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	134.66	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	137.76	
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	142.39	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	147.04	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	156.32	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	165.60	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	174.87	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	184.16	
23 05 93 00-0073 Hydrostatic Testing <small>(23 05 93 00-0046)</small>		
Note: Includes flushing and restoring of system.		
23 05 93 00-0074 Piping, Hydrostatic Testing <small>(23 05 93 00-0073)</small>		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	813.97	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,162.81	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,393.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,855.86	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,811.89	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,082.25	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,546.55	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,841.12	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,412.59	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,649.82	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	1,410.44	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	2,010.50	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	2,122.48	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,780.63	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	4,206.57	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,831.11	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,610.55	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,759.78	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	3,619.74	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	5,484.47	
23 05 93 00-0095 Pneumatic Testing <small>(23 05 93 00-0046)</small>		
Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096 Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>		
23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	926.07	
Note: Includes soaping joints.		
23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing.....	1,321.24	
Note: Includes soaping joints.		
23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing.....	1,428.00	
Note: Includes soaping joints.		
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,829.64	
Note: Includes soaping joints.		
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	2,862.62	
Note: Includes soaping joints.		
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,208.38	
Note: Includes soaping joints.		
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,715.63	
Note: Includes soaping joints.		
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,856.21	
Note: Includes soaping joints.		
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,378.94	
Note: Includes soaping joints.		
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	3,720.69	
Note: Includes soaping joints.		
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing.....	1,455.64	
Note: Includes soaping joints.		
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing.....	2,054.01	
Note: Includes soaping joints.		
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing.....	2,324.87	
Note: Includes soaping joints.		
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	2,971.50	
Note: Includes soaping joints.		
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	4,654.18	
Note: Includes soaping joints.		
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing.....	1,895.43	
Note: Includes soaping joints.		
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing.....	2,670.44	
Note: Includes soaping joints.		
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing.....	3,023.38	
Note: Includes soaping joints.		
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	3,863.96	
Note: Includes soaping joints.		
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	6,060.66	
Note: Includes soaping joints.		
23 05 93 00-0117 EPA Testing Of Sludge <small>(23 05 93)</small>		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	1,032.14	
23 05 93 00-0119 EA Air Test/Combustion Gas Level.....	101.25	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	1,584.60	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water.....	1,201.70	

23 07 HVAC Insulation (23)**23 07 13 Duct Insulation** (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13)</small>		
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.		
23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <small>(23 07 13 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.28 -0.39 0.99	2.47
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.00 -0.45 1.16	2.47
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.64 -0.49 1.32	3.71
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.69 -0.61 1.55	4.33
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.97 -0.96 1.67	4.70
23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.25 -0.45 1.24	3.71
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.14 -0.55 1.43	4.33
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.24 -0.65 1.69	4.95
23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.89 -0.77 1.49	4.95
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.00 -1.34 1.70	5.56
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.52 -1.57 1.98	6.18
23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.69 26.87 19.93 16.43 3.30	6.74
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.98 33.20 25.00 20.51 4.01	8.21
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.67 40.47 30.76 25.16 4.84	9.91
23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	13.11 3.63	7.42
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	17.00 4.41	9.03
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	21.77 5.32	10.90
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation	9.47	3.34
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation	10.12	3.52
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation	13.17	3.71
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation	15.13	3.90
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation	20.81	4.27
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation	24.57	4.63
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.86	3.52

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 07 HVAC Insulation

23 07 13 Duct Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0033	SF		3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	15.23	3.71
23 07 13 00-0034	SF		1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	16.93	3.90
23 07 13 00-0035	SF		1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	26.19	4.27
23 07 13 00-0036	SF		2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	30.99	4.63

23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation ^(23 07 13)

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0038	SF		1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.52	3.52
23 07 13 00-0039	SF		3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.89	3.71
23 07 13 00-0040	SF		1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.06	3.90
23 07 13 00-0041	SF		1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	29.28	4.27

23 07 16 HVAC Equipment Insulation ^(23 07)

23 07 16 00-0001 Calcium Silicate Block Insulation ^(23 07 16)

23 07 16 00-0002	SF		1" Thick, Calcium Silicate Block Insulation	19.88	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 07 16 00-0003	SF		1-1/2" Thick, Calcium Silicate Block Insulation	23.75	9.12
			<i>For Work In Restricted Working Space, Add</i>	5.47	
23 07 16 00-0004	SF		2" Thick, Calcium Silicate Block Insulation	28.46	10.51
			<i>For Work In Restricted Working Space, Add</i>	6.33	
23 07 16 00-0005	SF		2-1/2" Thick, Calcium Silicate Block Insulation	33.89	12.35
			<i>For Work In Restricted Working Space, Add</i>	7.41	
23 07 16 00-0006	SF		3" Thick, Calcium Silicate Block Insulation	41.42	15.20
			<i>For Work In Restricted Working Space, Add</i>	9.12	

23 07 19 HVAC Piping Insulation ^(23 07)

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation ^(23 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0649 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation ^(23 07 19 00-0001)

23 07 19 00-0003	LF		1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.28	4.06
			<i>For Work In Restricted Working Space, Add</i>	3.05	
23 07 19 00-0004	LF		3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.28	4.06
			<i>For Work In Restricted Working Space, Add</i>	3.05	
23 07 19 00-0005	LF		1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.25	4.12
			<i>For Work In Restricted Working Space, Add</i>	3.09	
23 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.46	4.18
			<i>For Work In Restricted Working Space, Add</i>	3.14	
23 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.65	4.24
			<i>For Work In Restricted Working Space, Add</i>	3.18	
23 07 19 00-0008	LF		2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.56	4.36
			<i>For Work In Restricted Working Space, Add</i>	3.27	
23 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.27	4.53
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 07 19 00-0010	LF		3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.93	4.65
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 07 19 00-0011	LF		4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.15	5.01
			<i>For Work In Restricted Working Space, Add</i>	3.76	
23 07 19 00-0012	LF		6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	21.37	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.24	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation ^(23 07 19 00-0001)

23 07 19 00-0014	LF		1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.94	4.23
			<i>For Work In Restricted Working Space, Add</i>	3.18	
23 07 19 00-0015	LF		3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.01	4.23
			<i>For Work In Restricted Working Space, Add</i>	3.18	
23 07 19 00-0016	LF		1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.05	4.48
			<i>For Work In Restricted Working Space, Add</i>	3.37	
23 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.63	4.57
			<i>For Work In Restricted Working Space, Add</i>	3.43	
23 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.23	4.65
			<i>For Work In Restricted Working Space, Add</i>	3.49	
23 07 19 00-0019	LF		2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.43	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.68	
23 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.21	5.00
			<i>For Work In Restricted Working Space, Add</i>	3.75	
23 07 19 00-0021	LF		3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.93	5.17
			<i>For Work In Restricted Working Space, Add</i>	3.87	
23 07 19 00-0022	LF		4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.09	5.58
			<i>For Work In Restricted Working Space, Add</i>	4.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	25.65	6.52
<i>For Work In Restricted Working Space, Add</i>	4.89	
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	29.61	6.89
<i>For Work In Restricted Working Space, Add</i>	5.16	
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	37.01	8.24
<i>For Work In Restricted Working Space, Add</i>	6.18	
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	43.45	9.59
<i>For Work In Restricted Working Space, Add</i>	7.19	
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	48.28	10.51
<i>For Work In Restricted Working Space, Add</i>	7.88	
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	58.09	13.38
<i>For Work In Restricted Working Space, Add</i>	10.04	
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	62.36	14.06
<i>For Work In Restricted Working Space, Add</i>	10.54	
 23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.51	4.65
<i>For Work In Restricted Working Space, Add</i>	3.49	
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.88	4.65
<i>For Work In Restricted Working Space, Add</i>	3.49	
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.42	4.72
<i>For Work In Restricted Working Space, Add</i>	3.53	
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.11	4.77
<i>For Work In Restricted Working Space, Add</i>	3.58	
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.62	4.83
<i>For Work In Restricted Working Space, Add</i>	3.62	
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.48	5.01
<i>For Work In Restricted Working Space, Add</i>	3.76	
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.74	5.18
<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.22	5.36
<i>For Work In Restricted Working Space, Add</i>	4.02	
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	26.66	5.65
<i>For Work In Restricted Working Space, Add</i>	4.24	
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	32.56	6.79
<i>For Work In Restricted Working Space, Add</i>	5.09	
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	36.50	7.16
<i>For Work In Restricted Working Space, Add</i>	5.37	
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	44.79	8.57
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	51.62	10.26
<i>For Work In Restricted Working Space, Add</i>	7.70	
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	64.33	14.32
<i>For Work In Restricted Working Space, Add</i>	10.74	
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	67.25	14.32
<i>For Work In Restricted Working Space, Add</i>	10.74	
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	71.89	15.03
<i>For Work In Restricted Working Space, Add</i>	11.27	
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	85.21	17.19
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	99.73	20.76
<i>For Work In Restricted Working Space, Add</i>	15.57	
 23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.07	5.37
<i>For Work In Restricted Working Space, Add</i>	4.03	
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.46	5.37
<i>For Work In Restricted Working Space, Add</i>	4.03	
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.84	5.45
<i>For Work In Restricted Working Space, Add</i>	4.09	
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.05	5.49
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.57	5.53
<i>For Work In Restricted Working Space, Add</i>	4.15	
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	24.58	5.77
<i>For Work In Restricted Working Space, Add</i>	4.32	
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.30	5.96
<i>For Work In Restricted Working Space, Add</i>	4.47	
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.83	6.17
<i>For Work In Restricted Working Space, Add</i>	4.63	
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	31.74	6.51
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	39.07	7.39
<i>For Work In Restricted Working Space, Add</i>	5.55	
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	44.47	8.25
<i>For Work In Restricted Working Space, Add</i>	6.19	
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	52.89	9.51
<i>For Work In Restricted Working Space, Add</i>	7.13	
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	62.02	11.82
<i>For Work In Restricted Working Space, Add</i>	8.86	
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	68.51	12.90
<i>For Work In Restricted Working Space, Add</i>	9.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 07 HVAC Insulation

23 07 19 HVAC Piping Insulation



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	83.70	16.49
		<i>For Work In Restricted Working Space, Add</i>	12.37	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	88.33	17.32
		<i>For Work In Restricted Working Space, Add</i>	12.99	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	102.28	19.79
		<i>For Work In Restricted Working Space, Add</i>	14.84	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	120.58	23.91
		<i>For Work In Restricted Working Space, Add</i>	17.93	
23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.31	5.94
		<i>For Work In Restricted Working Space, Add</i>	4.45	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.39	5.94
		<i>For Work In Restricted Working Space, Add</i>	4.45	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.64	6.00
		<i>For Work In Restricted Working Space, Add</i>	4.50	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.93	6.04
		<i>For Work In Restricted Working Space, Add</i>	4.53	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.20	6.11
		<i>For Work In Restricted Working Space, Add</i>	4.58	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.16	6.33
		<i>For Work In Restricted Working Space, Add</i>	4.75	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.06	6.55
		<i>For Work In Restricted Working Space, Add</i>	4.91	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.76	6.79
		<i>For Work In Restricted Working Space, Add</i>	5.09	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	38.10	7.17
		<i>For Work In Restricted Working Space, Add</i>	5.37	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	44.97	8.14
		<i>For Work In Restricted Working Space, Add</i>	6.10	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	52.00	9.07
		<i>For Work In Restricted Working Space, Add</i>	6.80	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	61.57	10.46
		<i>For Work In Restricted Working Space, Add</i>	7.85	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	71.68	13.00
		<i>For Work In Restricted Working Space, Add</i>	9.75	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	79.42	14.20
		<i>For Work In Restricted Working Space, Add</i>	10.64	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	93.91	18.13
		<i>For Work In Restricted Working Space, Add</i>	13.61	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	100.93	19.04
		<i>For Work In Restricted Working Space, Add</i>	14.29	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	117.85	21.78
		<i>For Work In Restricted Working Space, Add</i>	16.33	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	139.74	26.30
		<i>For Work In Restricted Working Space, Add</i>	19.73	
23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)				
23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	34.15	6.51
		<i>For Work In Restricted Working Space, Add</i>	4.88	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.28	6.51
		<i>For Work In Restricted Working Space, Add</i>	4.88	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.39	6.55
		<i>For Work In Restricted Working Space, Add</i>	4.91	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.49	6.59
		<i>For Work In Restricted Working Space, Add</i>	4.94	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.53	6.67
		<i>For Work In Restricted Working Space, Add</i>	5.01	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	38.65	6.90
		<i>For Work In Restricted Working Space, Add</i>	5.18	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	41.75	7.15
		<i>For Work In Restricted Working Space, Add</i>	5.36	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	43.23	7.40
		<i>For Work In Restricted Working Space, Add</i>	5.55	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	48.87	7.82
		<i>For Work In Restricted Working Space, Add</i>	5.87	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	54.61	8.88
		<i>For Work In Restricted Working Space, Add</i>	6.65	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	65.94	9.89
		<i>For Work In Restricted Working Space, Add</i>	7.42	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	79.75	11.41
		<i>For Work In Restricted Working Space, Add</i>	8.56	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	96.78	14.19
		<i>For Work In Restricted Working Space, Add</i>	10.64	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	102.30	15.48
		<i>For Work In Restricted Working Space, Add</i>	11.61	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	120.37	19.79
		<i>For Work In Restricted Working Space, Add</i>	14.84	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	137.06	20.78
		<i>For Work In Restricted Working Space, Add</i>	15.59	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	148.72	23.77
		<i>For Work In Restricted Working Space, Add</i>	17.82	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0105	4" Thick, Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0106	LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.07 5.42	7.23
23 07 19 00-0107	LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.11 5.42	7.23
23 07 19 00-0108	LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.44 5.52	7.35
23 07 19 00-0109	LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.52 5.58	7.44
23 07 19 00-0110	LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.97 5.75	7.67
23 07 19 00-0111	LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.97 5.93	7.91
23 07 19 00-0112	LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.92 6.02	8.04
23 07 19 00-0113	LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.44 6.25	8.33
23 07 19 00-0114	LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	59.10 6.59	8.79
23 07 19 00-0115	LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	68.26 7.48	9.98
23 07 19 00-0116	LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	80.86 8.34	11.13
23 07 19 00-0117	LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	93.12 9.64	12.84
23 07 19 00-0118	LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	106.86 11.96	15.95
23 07 19 00-0119	LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	113.96 13.07	17.43
23 07 19 00-0120	LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	135.95 16.71	22.28
23 07 19 00-0121	LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	144.37 17.51	23.35
23 07 19 00-0122	LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	160.32 20.04	26.73

23 07 19 00-0123	Weather-Protective Coating For Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0124	SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	6.20 1.15	

23 08 Commissioning of HVAC (23)
See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC (23)

23 09 23 Direct-Digital Control System for HVAC (23 09)

23 09 23 11 Control Valves (23 09 23)

23 09 23 11-0001	Valves With Actuator <small>(23 09 23 11)</small>		
23 09 23 11-0002	EA 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	820.81	15.96
23 09 23 11-0003	EA 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	847.51	21.52
23 09 23 11-0004	EA 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	926.89	26.04
23 09 23 11-0005	EA 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,010.19	33.00
23 09 23 11-0006	EA 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,150.57	38.07
23 09 23 11-0007	EA 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,299.82	44.99
23 09 23 11-0008	EA 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,429.37	89.99
23 09 23 11-0009	EA 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,631.51	105.30
23 09 23 11-0010	EA 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,548.57	154.65
23 09 23 11-0011	EA 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,220.80	223.50
23 09 23 11-0012	EA 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,782.85	247.45
23 09 23 11-0013	EA 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	881.21	23.94
23 09 23 11-0014	EA 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	906.28	32.28
23 09 23 11-0015	EA 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	980.72	39.07
23 09 23 11-0016	EA 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,085.52	49.49
23 09 23 11-0017	EA 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,396.04	57.10
23 09 23 11-0018	EA 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,547.53	67.49
23 09 23 11-0019	EA 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,729.10	134.97
23 09 23 11-0020	EA 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	2,997.20	157.95
23 09 23 11-0021	EA 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1)	4,360.99	231.98
23 09 23 11-0022	EA 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1)	6,325.80	335.25
23 09 23 11-0023	EA 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1)	7,032.68	371.17
23 09 23 11-0024	EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	142.43	15.96
23 09 23 11-0025	EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	167.83	21.52
23 09 23 11-0026	EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	211.50	26.04
23 09 23 11-0027	EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	173.90	23.94
23 09 23 11-0028	EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	202.94	32.28
23 09 23 11-0029	EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	253.91	39.07

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 09 Instrumentation and Control for HVAC

23 09 23 Direct-Digital Control System for HVAC



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23	11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3).....	237.79	15.96
23 09 23	11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3).....	281.72	21.52
23 09 23	11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3).....	320.34	26.04
23 09 23	11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3).....	416.84	33.00
23 09 23	11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3).....	430.89	38.07
23 09 23	11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3).....	549.19	44.99
23 09 23	11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3).....	1,180.27	89.99
23 09 23	11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3).....	1,385.76	105.30
23 09 23	11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3).....	287.79	23.94
23 09 23	11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3).....	332.48	32.28
23 09 23	11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3).....	429.31	39.07
23 09 23	11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3).....	609.58	49.49
23 09 23	11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3).....	642.24	57.10
23 09 23	11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3).....	851.77	67.49
23 09 23	11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1).....	693.43	82.48
23 09 23	11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	727.87	89.99
23 09 23	11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1).....	957.91	105.30
23 09 23	11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1).....	1,461.35	176.75
23 09 23	11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24).....	2,952.52	223.50
23 09 23	11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24).....	3,114.06	247.45
23 09 23	11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24).....	4,240.33	282.80
23 09 23	11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24).....	5,202.55	346.42
23 09 23	11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24).....	6,430.29	419.91
23 09 23	11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24).....	7,143.18	494.89
23 09 23	11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110).....	9,455.94	544.39
23 09 23	11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110).....	11,464.97	604.76
23 09 23	11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1).....	1,283.75	123.73
23 09 23	11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1).....	1,513.15	134.97
23 09 23	11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1).....	1,868.79	157.95
23 09 23	11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1).....	2,391.94	265.12
23 09 23	11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24).....	4,917.35	335.25
23 09 23	11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	5,089.05	371.17
23 09 23	11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	6,419.24	424.23
23 09 23	11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	8,500.85	519.63
23 09 23	11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	10,332.91	629.86
23 09 23	11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	16,146.78	742.35
23 09 23	11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	18,005.52	816.57
23 09 23	11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	27,744.23	907.14
23 09 23	11-0068		Valve Actuators (23 09 23 11)		
23 09 23	11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	482.68	102.22
23 09 23	11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	490.16	102.22
23 09 23	11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	599.44	102.22
23 09 23	11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	552.27	102.22
23 09 23	11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	563.18	102.22
23 09 23	11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	634.84	102.22
23 09 23	11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	758.88	102.22
23 09 23	11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	775.15	102.22
23 09 23	11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	814.36	102.22
23 09 23	11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	582.82	102.22
23 09 23	11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	665.11	102.22
23 09 23	11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	599.34	102.22
23 09 23	11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	610.28	102.22
23 09 23	11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	614.37	102.22
23 09 23	11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	688.74	102.22
23 09 23	11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	720.81	102.22
23 09 23	11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	737.86	102.22
23 09 23	11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	734.47	102.22
23 09 23	11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	745.38	102.22
23 09 23	11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	744.69	102.22
23 09 23	11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	815.46	102.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23	11-0090	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	994.45	102.22
23 09 23	11-0091	EA		100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	651.88	102.22
23 09 23	11-0092	EA		100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	782.92	102.22
23 09 23	11-0093	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,810.56	102.22
23 09 23	11-0094	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	2,034.37	102.22
23 09 23	11-0095	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	2,448.57	102.22
23 09 23	11-0096	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,778.15	102.22
23 09 23	11-0097	EA		120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	3,294.71	102.22
23 09 23	11-0098	EA		120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,887.02	102.22
23 09 23	11-0099	EA		120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	5,249.03	102.22
23 09 23	11-0100	EA		120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	6,415.19	102.22

23 09 23 12 Control Dampers (23 09 23)

23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)

Note: Excludes actuators.

23 09 23	12-0002	EA		8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	220.34	42.63
23 09 23	12-0003	EA		10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	248.31	46.75
23 09 23	12-0004	EA		12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	277.62	51.57
23 09 23	12-0005	EA		14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	321.03	60.50
23 09 23	12-0006	EA		16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	363.05	68.75
23 09 23	12-0007	EA		18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	367.47	77.35
23 09 23	12-0008	EA		20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	450.66	85.94
23 09 23	12-0009	EA		24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	538.21	103.13
23 09 23	12-0010	EA		32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	690.69	120.32
23 09 23	12-0011	EA		48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	1,024.01	137.51
23 09 23	12-0012	EA		60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,874.40	154.70
23 09 23	12-0013	EA		72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,380.09	171.90

23 09 23 12-0014 Rectangular Volume Control Dampers (Ruskin) (23 09 23 12)

Note: Excludes actuators.

23 09 23 12-0015 Rectangular Volume Control Dampers (Ruskin CD36) (23 09 23 12-0014)

23 09 23	12-0016	EA		8" x 8" Volume Control Damper (Ruskin CD36).....	167.39	51.57
23 09 23	12-0017	EA		8" x 12" Volume Control Damper (Ruskin CD36).....	176.57	51.57
23 09 23	12-0018	EA		8" x 16" Volume Control Damper (Ruskin CD36).....	187.66	51.57
23 09 23	12-0019	EA		8" x 20" Volume Control Damper (Ruskin CD36).....	247.67	68.75
23 09 23	12-0020	EA		8" x 24" Volume Control Damper (Ruskin CD36).....	264.12	68.75
23 09 23	12-0021	EA		8" x 28" Volume Control Damper (Ruskin CD36).....	273.30	68.75
23 09 23	12-0022	EA		8" x 32" Volume Control Damper (Ruskin CD36).....	297.39	68.75
23 09 23	12-0023	EA		8" x 36" Volume Control Damper (Ruskin CD36).....	355.50	85.94
23 09 23	12-0024	EA		12" x 8" Volume Control Damper (Ruskin CD36).....	176.57	51.57
23 09 23	12-0025	EA		12" x 12" Volume Control Damper (Ruskin CD36).....	181.92	51.57
23 09 23	12-0026	EA		12" x 16" Volume Control Damper (Ruskin CD36).....	227.40	68.75
23 09 23	12-0027	EA		12" x 20" Volume Control Damper (Ruskin CD36).....	253.02	68.75
23 09 23	12-0028	EA		12" x 24" Volume Control Damper (Ruskin CD36).....	304.24	85.94
23 09 23	12-0029	EA		12" x 28" Volume Control Damper (Ruskin CD36).....	313.42	85.94
23 09 23	12-0030	EA		12" x 32" Volume Control Damper (Ruskin CD36).....	337.14	85.94
23 09 23	12-0031	EA		12" x 36" Volume Control Damper (Ruskin CD36).....	395.22	103.13
23 09 23	12-0032	EA		16" x 8" Volume Control Damper (Ruskin CD36).....	187.66	51.57
23 09 23	12-0033	EA		16" x 12" Volume Control Damper (Ruskin CD36).....	234.66	68.75
23 09 23	12-0034	EA		16" x 16" Volume Control Damper (Ruskin CD36).....	235.05	68.75
23 09 23	12-0035	EA		16" x 20" Volume Control Damper (Ruskin CD36).....	293.15	85.94
23 09 23	12-0036	EA		16" x 24" Volume Control Damper (Ruskin CD36).....	311.51	85.94
23 09 23	12-0037	EA		16" x 28" Volume Control Damper (Ruskin CD36).....	358.50	103.13
23 09 23	12-0038	EA		16" x 32" Volume Control Damper (Ruskin CD36).....	378.77	103.13
23 09 23	12-0039	EA		16" x 36" Volume Control Damper (Ruskin CD36).....	400.96	103.13
23 09 23	12-0040	EA		20" x 8" Volume Control Damper (Ruskin CD36).....	247.67	68.75
23 09 23	12-0041	EA		20" x 12" Volume Control Damper (Ruskin CD36).....	223.95	68.75
23 09 23	12-0042	EA		20" x 16" Volume Control Damper (Ruskin CD36).....	274.79	85.94
23 09 23	12-0043	EA		20" x 20" Volume Control Damper (Ruskin CD36).....	298.51	85.94
23 09 23	12-0044	EA		20" x 24" Volume Control Damper (Ruskin CD36).....	347.79	103.13
23 09 23	12-0045	EA		20" x 28" Volume Control Damper (Ruskin CD36).....	369.59	103.13
23 09 23	12-0046	EA		20" x 32" Volume Control Damper (Ruskin CD36).....	422.72	120.32
23 09 23	12-0047	EA		20" x 36" Volume Control Damper (Ruskin CD36).....	442.61	120.32
23 09 23	12-0048	EA		24" x 8" Volume Control Damper (Ruskin CD36).....	223.95	68.75
23 09 23	12-0049	EA		24" x 12" Volume Control Damper (Ruskin CD36).....	263.70	85.94
23 09 23	12-0050	EA		24" x 16" Volume Control Damper (Ruskin CD36).....	280.15	85.94
23 09 23	12-0051	EA		24" x 20" Volume Control Damper (Ruskin CD36).....	340.14	103.13
23 09 23	12-0052	EA		24" x 24" Volume Control Damper (Ruskin CD36).....	356.97	103.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23	12-0053	EA	24" x 28" Volume Control Damper (Ruskin CD36)	411.24	120.32
23 09 23	12-0054	EA	24" x 32" Volume Control Damper (Ruskin CD36)	435.34	120.32
23 09 23	12-0055	EA	24" x 36" Volume Control Damper (Ruskin CD36)	453.70	120.32
23 09 23	12-0056	EA	28" x 8" Volume Control Damper (Ruskin CD36)	227.40	68.75
23 09 23	12-0057	EA	28" x 12" Volume Control Damper (Ruskin CD36)	267.52	85.94
23 09 23	12-0058	EA	28" x 16" Volume Control Damper (Ruskin CD36)	316.43	103.13
23 09 23	12-0059	EA	28" x 20" Volume Control Damper (Ruskin CD36)	345.88	103.13
23 09 23	12-0060	EA	28" x 24" Volume Control Damper (Ruskin CD36)	394.80	120.32
23 09 23	12-0061	EA	28" x 28" Volume Control Damper (Ruskin CD36)	416.98	120.32
23 09 23	12-0062	EA	28" x 32" Volume Control Damper (Ruskin CD36)	437.25	120.32
23 09 23	12-0063	EA	28" x 36" Volume Control Damper (Ruskin CD36)	464.79	120.32
23 09 23	12-0064	EA	32" x 8" Volume Control Damper (Ruskin CD36)	229.31	68.75
23 09 23	12-0065	EA	32" x 12" Volume Control Damper (Ruskin CD36)	269.05	85.94
23 09 23	12-0066	EA	32" x 16" Volume Control Damper (Ruskin CD36)	321.78	103.13
23 09 23	12-0067	EA	32" x 20" Volume Control Damper (Ruskin CD36)	382.17	120.32
23 09 23	12-0068	EA	32" x 24" Volume Control Damper (Ruskin CD36)	403.97	120.32
23 09 23	12-0069	EA	32" x 28" Volume Control Damper (Ruskin CD36)	424.25	120.32
23 09 23	12-0070	EA	32" x 32" Volume Control Damper (Ruskin CD36)	446.43	120.32
23 09 23	12-0071	EA	32" x 36" Volume Control Damper (Ruskin CD36)	506.44	137.51
23 09 23	12-0072	EA	36" x 8" Volume Control Damper (Ruskin CD36)	270.97	85.94
23 09 23	12-0073	EA	36" x 12" Volume Control Damper (Ruskin CD36)	311.07	103.13
23 09 23	12-0074	EA	36" x 16" Volume Control Damper (Ruskin CD36)	327.52	103.13
23 09 23	12-0075	EA	36" x 20" Volume Control Damper (Ruskin CD36)	387.53	120.32
23 09 23	12-0076	EA	36" x 24" Volume Control Damper (Ruskin CD36)	411.24	120.32
23 09 23	12-0077	EA	36" x 28" Volume Control Damper (Ruskin CD36)	435.34	120.32
23 09 23	12-0078	EA	36" x 32" Volume Control Damper (Ruskin CD36)	488.08	137.51
23 09 23	12-0079	EA	36" x 36" Volume Control Damper (Ruskin CD36)	513.71	137.51
23 09 23	12-0080	EA	36" x 40" Volume Control Damper (Ruskin CD36)	535.89	137.51
23 09 23	12-0081	EA	36" x 44" Volume Control Damper (Ruskin CD36)	559.61	137.51
23 09 23	12-0082	EA	36" x 48" Volume Control Damper (Ruskin CD36)	579.88	137.51
23 09 23	12-0083	EA	36" x 52" Volume Control Damper (Ruskin CD36)	603.59	137.51
23 09 23	12-0084	EA	36" x 56" Volume Control Damper (Ruskin CD36)	627.69	137.51
23 09 23	12-0085	EA	36" x 60" Volume Control Damper (Ruskin CD36)	647.58	137.51
23 09 23	12-0086	EA	36" x 64" Volume Control Damper (Ruskin CD36)	675.12	137.51
23 09 23	12-0087	EA	36" x 68" Volume Control Damper (Ruskin CD36)	731.67	154.70
23 09 23	12-0088	EA	36" x 72" Volume Control Damper (Ruskin CD36)	772.22	154.70
23 09 23	12-0089	EA	36" x 76" Volume Control Damper (Ruskin CD36)	896.15	154.70
23 09 23	12-0090	EA	36" x 80" Volume Control Damper (Ruskin CD36)	896.15	154.70
23 09 23	12-0091	EA	36" x 84" Volume Control Damper (Ruskin CD36)	949.70	154.70
23 09 23	12-0092	EA	40" x 40" Volume Control Damper (Ruskin CD36)	545.07	137.51
23 09 23	12-0093	EA	40" x 44" Volume Control Damper (Ruskin CD36)	568.79	137.51
23 09 23	12-0094	EA	40" x 48" Volume Control Damper (Ruskin CD36)	592.50	137.51
23 09 23	12-0095	EA	40" x 52" Volume Control Damper (Ruskin CD36)	618.51	137.51
23 09 23	12-0096	EA	40" x 56" Volume Control Damper (Ruskin CD36)	640.31	137.51
23 09 23	12-0097	EA	40" x 60" Volume Control Damper (Ruskin CD36)	694.95	154.70
23 09 23	12-0098	EA	40" x 64" Volume Control Damper (Ruskin CD36)	722.49	154.70
23 09 23	12-0099	EA	40" x 68" Volume Control Damper (Ruskin CD36)	748.12	154.70
23 09 23	12-0100	EA	40" x 72" Volume Control Damper (Ruskin CD36)	786.75	154.70
23 09 23	12-0101	EA	40" x 76" Volume Control Damper (Ruskin CD36)	916.80	154.70
23 09 23	12-0102	EA	40" x 80" Volume Control Damper (Ruskin CD36)	916.80	154.70
23 09 23	12-0103	EA	40" x 84" Volume Control Damper (Ruskin CD36)	970.35	154.70
23 09 23	12-0104	EA	44" x 40" Volume Control Damper (Ruskin CD36)	555.78	137.51
23 09 23	12-0105	EA	44" x 44" Volume Control Damper (Ruskin CD36)	579.88	137.51
23 09 23	12-0106	EA	44" x 48" Volume Control Damper (Ruskin CD36)	603.59	137.51
23 09 23	12-0107	EA	44" x 52" Volume Control Damper (Ruskin CD36)	629.22	137.51
23 09 23	12-0108	EA	44" x 56" Volume Control Damper (Ruskin CD36)	685.77	154.70
23 09 23	12-0109	EA	44" x 60" Volume Control Damper (Ruskin CD36)	711.40	154.70
23 09 23	12-0110	EA	44" x 64" Volume Control Damper (Ruskin CD36)	735.50	154.70
23 09 23	12-0111	EA	44" x 68" Volume Control Damper (Ruskin CD36)	764.57	154.70
23 09 23	12-0112	EA	44" x 72" Volume Control Damper (Ruskin CD36)	803.20	154.70
23 09 23	12-0113	EA	44" x 76" Volume Control Damper (Ruskin CD36)	941.28	154.70
23 09 23	12-0114	EA	44" x 80" Volume Control Damper (Ruskin CD36)	941.28	154.70
23 09 23	12-0115	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,029.59	171.90
23 09 23	12-0116	EA	40" x 40" Volume Control Damper (Ruskin CD36)	545.07	137.51
23 09 23	12-0117	EA	40" x 44" Volume Control Damper (Ruskin CD36)	568.79	137.51
23 09 23	12-0118	EA	40" x 48" Volume Control Damper (Ruskin CD36)	592.50	137.51
23 09 23	12-0119	EA	40" x 52" Volume Control Damper (Ruskin CD36)	618.51	137.51
23 09 23	12-0120	EA	40" x 56" Volume Control Damper (Ruskin CD36)	640.31	137.51
23 09 23	12-0121	EA	40" x 60" Volume Control Damper (Ruskin CD36)	694.95	154.70
23 09 23	12-0122	EA	40" x 64" Volume Control Damper (Ruskin CD36)	722.49	154.70
23 09 23	12-0123	EA	40" x 68" Volume Control Damper (Ruskin CD36)	748.12	154.70
23 09 23	12-0124	EA	40" x 72" Volume Control Damper (Ruskin CD36)	786.75	154.70
23 09 23	12-0125	EA	40" x 76" Volume Control Damper (Ruskin CD36)	916.80	154.70
23 09 23	12-0126	EA	40" x 80" Volume Control Damper (Ruskin CD36)	916.80	154.70
23 09 23	12-0127	EA	40" x 84" Volume Control Damper (Ruskin CD36)	970.35	154.70
23 09 23	12-0128	EA	44" x 40" Volume Control Damper (Ruskin CD36)	555.78	137.51
23 09 23	12-0129	EA	44" x 44" Volume Control Damper (Ruskin CD36)	579.88	137.51
23 09 23	12-0130	EA	44" x 48" Volume Control Damper (Ruskin CD36)	603.59	137.51
23 09 23	12-0131	EA	44" x 52" Volume Control Damper (Ruskin CD36)	629.22	137.51
23 09 23	12-0132	EA	44" x 56" Volume Control Damper (Ruskin CD36)	685.77	154.70
23 09 23	12-0133	EA	44" x 60" Volume Control Damper (Ruskin CD36)	711.40	154.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0134 EA 44" x 64" Volume Control Damper (Ruskin CD36).....	735.50	154.70
23 09 23 12-0135 EA 44" x 68" Volume Control Damper (Ruskin CD36).....	764.57	154.70
23 09 23 12-0136 EA 44" x 72" Volume Control Damper (Ruskin CD36).....	803.20	154.70
23 09 23 12-0137 EA 44" x 76" Volume Control Damper (Ruskin CD36).....	941.28	154.70
23 09 23 12-0138 EA 44" x 80" Volume Control Damper (Ruskin CD36).....	941.28	154.70
23 09 23 12-0139 EA 44" x 84" Volume Control Damper (Ruskin CD36).....	1,029.59	171.90
23 09 23 12-0140 EA 48" x 40" Volume Control Damper (Ruskin CD36).....	566.87	137.51
23 09 23 12-0141 EA 48" x 44" Volume Control Damper (Ruskin CD36).....	590.97	137.51
23 09 23 12-0142 EA 48" x 48" Volume Control Damper (Ruskin CD36).....	616.60	137.51
23 09 23 12-0143 EA 48" x 52" Volume Control Damper (Ruskin CD36).....	676.59	154.70
23 09 23 12-0144 EA 48" x 56" Volume Control Damper (Ruskin CD36).....	700.31	154.70
23 09 23 12-0145 EA 48" x 60" Volume Control Damper (Ruskin CD36).....	722.49	154.70
23 09 23 12-0146 EA 48" x 64" Volume Control Damper (Ruskin CD36).....	750.03	154.70
23 09 23 12-0147 EA 48" x 68" Volume Control Damper (Ruskin CD36).....	777.57	154.70
23 09 23 12-0148 EA 48" x 72" Volume Control Damper (Ruskin CD36).....	821.56	154.70
23 09 23 12-0149 EA 48" x 76" Volume Control Damper (Ruskin CD36).....	1,000.52	171.90
23 09 23 12-0150 EA 48" x 80" Volume Control Damper (Ruskin CD36).....	1,000.52	171.90
23 09 23 12-0151 EA 48" x 84" Volume Control Damper (Ruskin CD36).....	1,054.45	171.90
23 09 23 12-0152 EA 52" x 40" Volume Control Damper (Ruskin CD36).....	825.82	137.51
23 09 23 12-0153 EA 52" x 44" Volume Control Damper (Ruskin CD36).....	862.54	137.51
23 09 23 12-0154 EA 52" x 48" Volume Control Damper (Ruskin CD36).....	953.90	154.70
23 09 23 12-0155 EA 52" x 52" Volume Control Damper (Ruskin CD36).....	1,005.16	154.70
23 09 23 12-0156 EA 52" x 56" Volume Control Damper (Ruskin CD36).....	1,041.88	154.70
23 09 23 12-0157 EA 52" x 60" Volume Control Damper (Ruskin CD36).....	1,084.33	154.70
23 09 23 12-0158 EA 52" x 64" Volume Control Damper (Ruskin CD36).....	1,139.41	154.70
23 09 23 12-0159 EA 52" x 68" Volume Control Damper (Ruskin CD36).....	1,197.93	154.70
23 09 23 12-0160 EA 52" x 72" Volume Control Damper (Ruskin CD36).....	1,302.31	171.90
23 09 23 12-0161 EA 52" x 76" Volume Control Damper (Ruskin CD36).....	1,434.27	171.90
23 09 23 12-0162 EA 52" x 80" Volume Control Damper (Ruskin CD36).....	1,434.65	171.90
23 09 23 12-0163 EA 52" x 84" Volume Control Damper (Ruskin CD36).....	1,516.89	171.90
23 09 23 12-0164 EA 56" x 40" Volume Control Damper (Ruskin CD36).....	833.09	137.51
23 09 23 12-0165 EA 56" x 44" Volume Control Damper (Ruskin CD36).....	909.92	154.70
23 09 23 12-0166 EA 56" x 48" Volume Control Damper (Ruskin CD36).....	964.99	154.70
23 09 23 12-0167 EA 56" x 52" Volume Control Damper (Ruskin CD36).....	1,010.89	154.70
23 09 23 12-0168 EA 56" x 56" Volume Control Damper (Ruskin CD36).....	1,052.97	154.70
23 09 23 12-0169 EA 56" x 60" Volume Control Damper (Ruskin CD36).....	1,100.78	154.70
23 09 23 12-0170 EA 56" x 64" Volume Control Damper (Ruskin CD36).....	1,153.95	154.70
23 09 23 12-0171 EA 56" x 68" Volume Control Damper (Ruskin CD36).....	1,254.50	171.90
23 09 23 12-0172 EA 56" x 72" Volume Control Damper (Ruskin CD36).....	1,327.94	171.90
23 09 23 12-0173 EA 56" x 76" Volume Control Damper (Ruskin CD36).....	1,434.27	171.90
23 09 23 12-0174 EA 56" x 80" Volume Control Damper (Ruskin CD36).....	1,434.27	171.90
23 09 23 12-0175 EA 56" x 84" Volume Control Damper (Ruskin CD36).....	1,516.89	171.90
23 09 23 12-0176 EA 60" x 40" Volume Control Damper (Ruskin CD36).....	878.55	154.70
23 09 23 12-0177 EA 60" x 44" Volume Control Damper (Ruskin CD36).....	926.36	154.70
23 09 23 12-0178 EA 60" x 48" Volume Control Damper (Ruskin CD36).....	979.53	154.70
23 09 23 12-0179 EA 60" x 52" Volume Control Damper (Ruskin CD36).....	1,027.34	154.70
23 09 23 12-0180 EA 60" x 56" Volume Control Damper (Ruskin CD36).....	1,078.60	154.70
23 09 23 12-0181 EA 60" x 60" Volume Control Damper (Ruskin CD36).....	1,117.23	154.70
23 09 23 12-0182 EA 60" x 64" Volume Control Damper (Ruskin CD36).....	1,204.77	171.90
23 09 23 12-0183 EA 60" x 68" Volume Control Damper (Ruskin CD36).....	1,269.03	171.90
23 09 23 12-0184 EA 60" x 72" Volume Control Damper (Ruskin CD36).....	1,353.56	171.90
23 09 23 12-0185 EA 60" x 76" Volume Control Damper (Ruskin CD36).....	1,475.58	171.90
23 09 23 12-0186 EA 60" x 80" Volume Control Damper (Ruskin CD36).....	1,475.58	171.90
23 09 23 12-0187 EA 60" x 84" Volume Control Damper (Ruskin CD36).....	1,583.06	171.90
23 09 23 12-0188 EA 64" x 40" Volume Control Damper (Ruskin CD36).....	889.64	154.70
23 09 23 12-0189 EA 64" x 44" Volume Control Damper (Ruskin CD36).....	942.81	154.70
23 09 23 12-0190 EA 64" x 48" Volume Control Damper (Ruskin CD36).....	994.06	154.70
23 09 23 12-0191 EA 64" x 52" Volume Control Damper (Ruskin CD36).....	1,039.96	154.70
23 09 23 12-0192 EA 64" x 56" Volume Control Damper (Ruskin CD36).....	1,091.60	154.70
23 09 23 12-0193 EA 64" x 60" Volume Control Damper (Ruskin CD36).....	1,168.05	171.90
23 09 23 12-0194 EA 64" x 64" Volume Control Damper (Ruskin CD36).....	1,219.69	171.90
23 09 23 12-0195 EA 64" x 68" Volume Control Damper (Ruskin CD36).....	1,282.04	171.90
23 09 23 12-0196 EA 64" x 72" Volume Control Damper (Ruskin CD36).....	1,379.19	171.90
23 09 23 12-0197 EA 64" x 76" Volume Control Damper (Ruskin CD36).....	1,475.58	171.90
23 09 23 12-0198 EA 64" x 80" Volume Control Damper (Ruskin CD36).....	1,475.58	171.90
23 09 23 12-0199 EA 64" x 84" Volume Control Damper (Ruskin CD36).....	1,617.44	189.08
23 09 23 12-0200 EA 66" x 40" Volume Control Damper (Ruskin CD36).....	898.82	154.70
23 09 23 12-0201 EA 66" x 44" Volume Control Damper (Ruskin CD36).....	953.90	154.70
23 09 23 12-0202 EA 66" x 48" Volume Control Damper (Ruskin CD36).....	1,003.24	154.70
23 09 23 12-0203 EA 66" x 52" Volume Control Damper (Ruskin CD36).....	1,052.97	154.70
23 09 23 12-0204 EA 66" x 56" Volume Control Damper (Ruskin CD36).....	1,140.52	171.90
23 09 23 12-0205 EA 66" x 60" Volume Control Damper (Ruskin CD36).....	1,184.50	171.90
23 09 23 12-0206 EA 66" x 64" Volume Control Damper (Ruskin CD36).....	1,241.49	171.90
23 09 23 12-0207 EA 66" x 68" Volume Control Damper (Ruskin CD36).....	1,298.48	171.90
23 09 23 12-0208 EA 66" x 72" Volume Control Damper (Ruskin CD36).....	1,394.11	171.90
23 09 23 12-0209 EA 66" x 76" Volume Control Damper (Ruskin CD36).....	1,516.89	171.90
23 09 23 12-0210 EA 66" x 80" Volume Control Damper (Ruskin CD36).....	1,551.27	189.08
23 09 23 12-0211 EA 66" x 84" Volume Control Damper (Ruskin CD36).....	1,658.75	189.08
23 09 23 12-0212 EA 72" x 40" Volume Control Damper (Ruskin CD36).....	909.53	154.70
23 09 23 12-0213 EA 72" x 44" Volume Control Damper (Ruskin CD36).....	964.99	154.70
23 09 23 12-0214 EA 72" x 48" Volume Control Damper (Ruskin CD36).....	1,010.89	154.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 09 Instrumentation and Control for HVAC

23 09 23 Direct-Digital Control System for HVAC



MINOR				TOTAL DIRECT	DEMOLITION	
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	
23 09 23	12-0215	EA	72" x 52" Volume Control Damper (Ruskin CD36).....	1,100.35	171.90	
23 09 23	12-0216	EA	72" x 56" Volume Control Damper (Ruskin CD36).....	1,155.43	171.90	
23 09 23	12-0217	EA	72" x 60" Volume Control Damper (Ruskin CD36).....	1,201.33	171.90	
23 09 23	12-0218	EA	72" x 64" Volume Control Damper (Ruskin CD36).....	1,265.59	171.90	
23 09 23	12-0219	EA	72" x 68" Volume Control Damper (Ruskin CD36).....	1,314.93	171.90	
23 09 23	12-0220	EA	72" x 72" Volume Control Damper (Ruskin CD36).....	1,408.64	171.90	
23 09 23	12-0221	EA	72" x 76" Volume Control Damper (Ruskin CD36).....	1,551.27	189.08	
23 09 23	12-0222	EA	72" x 80" Volume Control Damper (Ruskin CD36).....	1,551.27	189.08	
23 09 23	12-0223	EA	72" x 84" Volume Control Damper (Ruskin CD36).....	1,658.75	189.08	
23 09 23	12-0224	EA	76" x 40" Volume Control Damper (Ruskin CD36).....	920.63	154.70	
23 09 23	12-0225	EA	76" x 44" Volume Control Damper (Ruskin CD36).....	974.17	154.70	
23 09 23	12-0226	EA	76" x 48" Volume Control Damper (Ruskin CD36).....	1,059.81	171.90	
23 09 23	12-0227	EA	76" x 52" Volume Control Damper (Ruskin CD36).....	1,114.89	171.90	
23 09 23	12-0228	EA	76" x 56" Volume Control Damper (Ruskin CD36).....	1,169.97	171.90	
23 09 23	12-0229	EA	76" x 60" Volume Control Damper (Ruskin CD36).....	1,215.87	171.90	
23 09 23	12-0230	EA	76" x 64" Volume Control Damper (Ruskin CD36).....	1,280.13	171.90	
23 09 23	12-0231	EA	76" x 68" Volume Control Damper (Ruskin CD36).....	1,342.47	171.90	
23 09 23	12-0232	EA	76" x 72" Volume Control Damper (Ruskin CD36).....	1,459.47	189.08	
23 09 23	12-0233	EA	76" x 76" Volume Control Damper (Ruskin CD36).....	1,592.58	189.08	
23 09 23	12-0234	EA	76" x 80" Volume Control Damper (Ruskin CD36).....	1,592.58	189.08	
23 09 23	12-0235	EA	76" x 84" Volume Control Damper (Ruskin CD36).....	1,700.06	189.08	
23 09 23	12-0236	EA	80" x 40" Volume Control Damper (Ruskin CD36).....	931.72	154.70	
23 09 23	12-0237	EA	80" x 44" Volume Control Damper (Ruskin CD36).....	984.88	154.70	
23 09 23	12-0238	EA	80" x 48" Volume Control Damper (Ruskin CD36).....	1,074.34	171.90	
23 09 23	12-0239	EA	80" x 52" Volume Control Damper (Ruskin CD36).....	1,135.16	171.90	
23 09 23	12-0240	EA	80" x 56" Volume Control Damper (Ruskin CD36).....	1,184.50	171.90	
23 09 23	12-0241	EA	80" x 60" Volume Control Damper (Ruskin CD36).....	1,230.40	171.90	
23 09 23	12-0242	EA	80" x 64" Volume Control Damper (Ruskin CD36).....	1,294.66	171.90	
23 09 23	12-0243	EA	80" x 68" Volume Control Damper (Ruskin CD36).....	1,387.94	189.08	
23 09 23	12-0244	EA	80" x 72" Volume Control Damper (Ruskin CD36).....	1,475.92	189.08	
23 09 23	12-0245	EA	80" x 76" Volume Control Damper (Ruskin CD36).....	1,592.58	189.08	
23 09 23	12-0246	EA	80" x 80" Volume Control Damper (Ruskin CD36).....	1,592.58	189.08	
23 09 23	12-0247	EA	80" x 84" Volume Control Damper (Ruskin CD36).....	1,700.06	189.08	
23 09 23	12-0248	EA	84" x 40" Volume Control Damper (Ruskin CD36).....	938.99	154.70	
23 09 23	12-0249	EA	84" x 44" Volume Control Damper (Ruskin CD36).....	1,028.44	171.90	
23 09 23	12-0250	EA	84" x 48" Volume Control Damper (Ruskin CD36).....	1,089.26	171.90	
23 09 23	12-0251	EA	84" x 52" Volume Control Damper (Ruskin CD36).....	1,155.43	171.90	
23 09 23	12-0252	EA	84" x 56" Volume Control Damper (Ruskin CD36).....	1,195.59	171.90	
23 09 23	12-0253	EA	84" x 60" Volume Control Damper (Ruskin CD36).....	1,245.32	171.90	
23 09 23	12-0254	EA	84" x 64" Volume Control Damper (Ruskin CD36).....	1,343.96	189.08	
23 09 23	12-0255	EA	84" x 68" Volume Control Damper (Ruskin CD36).....	1,408.22	189.08	
23 09 23	12-0256	EA	84" x 72" Volume Control Damper (Ruskin CD36).....	1,492.75	189.08	
23 09 23	12-0257	EA	84" x 76" Volume Control Damper (Ruskin CD36).....	1,642.30	189.08	
23 09 23	12-0258	EA	84" x 80" Volume Control Damper (Ruskin CD36).....	1,642.30	189.08	
23 09 23	12-0259	EA	84" x 84" Volume Control Damper (Ruskin CD36).....	1,749.78	189.08	
23 09 23	12-0260	Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) <small>(23 09 23 12-0014)</small>				
23 09 23	12-0261	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	258.46	51.57	
23 09 23	12-0262	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	313.39	51.57	
23 09 23	12-0263	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	351.28	51.57	
23 09 23	12-0264	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	391.34	68.75	
23 09 23	12-0265	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	431.12	68.75	
23 09 23	12-0266	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	467.11	68.75	
23 09 23	12-0267	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	472.79	68.75	
23 09 23	12-0268	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	545.07	85.94	
23 09 23	12-0269	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	258.46	51.57	
23 09 23	12-0270	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	313.39	51.57	
23 09 23	12-0271	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	385.66	68.75	
23 09 23	12-0272	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	391.34	68.75	
23 09 23	12-0273	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	465.51	85.94	
23 09 23	12-0274	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	501.50	85.94	
23 09 23	12-0275	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	507.18	85.94	
23 09 23	12-0276	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	579.44	103.13	
23 09 23	12-0277	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	266.04	51.57	
23 09 23	12-0278	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	361.03	68.75	
23 09 23	12-0279	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	404.60	68.75	
23 09 23	12-0280	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	442.78	85.94	
23 09 23	12-0281	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	486.35	85.94	
23 09 23	12-0282	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	558.60	103.13	
23 09 23	12-0283	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	564.28	103.13	
23 09 23	12-0284	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	611.64	103.13	
23 09 23	12-0285	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	315.57	68.75	
23 09 23	12-0286	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	385.66	68.75	
23 09 23	12-0287	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	465.51	85.94	
23 09 23	12-0288	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	471.19	85.94	
23 09 23	12-0289	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	543.45	103.13	
23 09 23	12-0290	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	592.70	103.13	
23 09 23	12-0291	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	640.34	120.32	
23 09 23	12-0292	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	678.22	120.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0293 EA 24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	330.72	68.75
23 09 23 12-0294 EA 24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	435.20	85.94
23 09 23 12-0295 EA 24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	480.66	85.94
23 09 23 12-0296 EA 24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	522.61	103.13
23 09 23 12-0297 EA 24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	573.76	103.13
23 09 23 12-0298 EA 24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	655.49	120.32
23 09 23 12-0299 EA 24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	664.96	120.32
23 09 23 12-0300 EA 24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	712.32	120.32
23 09 23 12-0301 EA 28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	338.30	68.75
23 09 23 12-0302 EA 28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	448.46	85.94
23 09 23 12-0303 EA 28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	532.08	103.13
23 09 23 12-0304 EA 28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	541.55	103.13
23 09 23 12-0305 EA 28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	630.87	120.32
23 09 23 12-0306 EA 28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	680.12	120.32
23 09 23 12-0307 EA 28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	683.91	120.32
23 09 23 12-0308 EA 28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	744.52	120.32
23 09 23 12-0309 EA 32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	355.35	68.75
23 09 23 12-0310 EA 32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	469.30	85.94
23 09 23 12-0311 EA 32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	564.28	103.13
23 09 23 12-0312 EA 32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	604.35	120.32
23 09 23 12-0313 EA 32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	664.96	120.32
23 09 23 12-0314 EA 32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	710.43	120.32
23 09 23 12-0315 EA 32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	721.79	120.32
23 09 23 12-0316 EA 32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	811.10	137.51
23 09 23 12-0317 EA 36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	406.79	85.94
23 09 23 12-0318 EA 36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	520.72	103.13
23 09 23 12-0319 EA 36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	579.44	103.13
23 09 23 12-0320 EA 36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	619.50	120.32
23 09 23 12-0321 EA 36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	683.91	120.32
23 09 23 12-0322 EA 36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	746.42	120.32
23 09 23 12-0323 EA 36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	784.58	137.51
23 09 23 12-0324 EA 36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	847.10	137.51
23 09 23 12-0325 EA 36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	902.03	137.51
23 09 23 12-0326 EA 36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	915.29	137.51
23 09 23 12-0327 EA 36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	979.69	137.51
23 09 23 12-0328 EA 36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,038.42	137.51
23 09 23 12-0329 EA 36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,051.67	137.51
23 09 23 12-0330 EA 36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,106.61	137.51
23 09 23 12-0331 EA 36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,163.44	137.51
23 09 23 12-0332 EA 36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,209.17	154.70
23 09 23 12-0333 EA 36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,267.89	154.70
23 09 23 12-0334 EA 36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,688.89	154.70
23 09 23 12-0335 EA 36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,688.89	154.70
23 09 23 12-0336 EA 36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,717.78	154.70
23 09 23 12-0337 EA 40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	941.81	137.51
23 09 23 12-0338 EA 40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	953.17	137.51
23 09 23 12-0339 EA 40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,015.68	137.51
23 09 23 12-0340 EA 40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,083.88	137.51
23 09 23 12-0341 EA 40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,089.56	137.51
23 09 23 12-0342 EA 40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,186.44	154.70
23 09 23 12-0343 EA 40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,250.85	154.70
23 09 23 12-0344 EA 40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,267.89	154.70
23 09 23 12-0345 EA 40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,332.30	154.70
23 09 23 12-0346 EA 40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,776.50	154.70
23 09 23 12-0347 EA 40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,776.50	154.70
23 09 23 12-0348 EA 40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,801.13	154.70
23 09 23 12-0349 EA 44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	974.01	137.51
23 09 23 12-0350 EA 44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	991.06	137.51
23 09 23 12-0351 EA 44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,055.46	137.51
23 09 23 12-0352 EA 44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,131.23	137.51
23 09 23 12-0353 EA 44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,171.29	154.70
23 09 23 12-0354 EA 44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,235.69	154.70
23 09 23 12-0355 EA 44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,307.67	154.70
23 09 23 12-0356 EA 44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,324.72	154.70
23 09 23 12-0357 EA 44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,387.23	154.70
23 09 23 12-0358 EA 44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,847.06	154.70
23 09 23 12-0359 EA 44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,847.06	154.70
23 09 23 12-0360 EA 44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,918.85	171.90
23 09 23 12-0361 EA 40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	941.81	137.51
23 09 23 12-0362 EA 40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	953.17	137.51
23 09 23 12-0363 EA 40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,015.68	137.51
23 09 23 12-0364 EA 40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,083.88	137.51
23 09 23 12-0365 EA 40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,089.56	137.51
23 09 23 12-0366 EA 40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,186.44	154.70
23 09 23 12-0367 EA 40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,250.85	154.70
23 09 23 12-0368 EA 40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,267.89	154.70
23 09 23 12-0369 EA 40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,332.30	154.70
23 09 23 12-0370 EA 40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,776.50	154.70
23 09 23 12-0371 EA 40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,776.50	154.70
23 09 23 12-0372 EA 40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,801.13	154.70
23 09 23 12-0373 EA 44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	974.01	137.51

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23	12-0374	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	991.06	137.51
23 09 23	12-0375	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,015.68	137.51
23 09 23	12-0376	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,083.88	137.51
23 09 23	12-0377	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,171.29	154.70
23 09 23	12-0378	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,235.69	154.70
23 09 23	12-0379	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,307.67	154.70
23 09 23	12-0380	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,324.72	154.70
23 09 23	12-0381	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,387.23	154.70
23 09 23	12-0382	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,847.06	154.70
23 09 23	12-0383	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,847.06	154.70
23 09 23	12-0384	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,918.85	171.90
23 09 23	12-0385	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,010.00	137.51
23 09 23	12-0386	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,025.16	137.51
23 09 23	12-0387	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,099.03	137.51
23 09 23	12-0388	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,209.17	154.70
23 09 23	12-0389	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,224.33	154.70
23 09 23	12-0390	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,286.84	154.70
23 09 23	12-0391	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,358.82	154.70
23 09 23	12-0392	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,372.08	154.70
23 09 23	12-0393	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,442.17	154.70
23 09 23	12-0394	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,960.53	171.90
23 09 23	12-0395	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,960.53	171.90
23 09 23	12-0396	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,994.15	171.90
23 09 23	12-0397	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,123.66	137.51
23 09 23	12-0398	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,138.81	137.51
23 09 23	12-0399	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,254.63	154.70
23 09 23	12-0400	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,345.56	154.70
23 09 23	12-0401	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,360.71	154.70
23 09 23	12-0402	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,432.69	154.70
23 09 23	12-0403	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,510.36	154.70
23 09 23	12-0404	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,540.67	154.70
23 09 23	12-0405	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,671.65	171.90
23 09 23	12-0406	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.85	171.90
23 09 23	12-0407	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.85	171.90
23 09 23	12-0408	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,860.77	171.90
23 09 23	12-0409	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,163.44	137.51
23 09 23	12-0410	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,216.75	154.70
23 09 23	12-0411	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,298.20	154.70
23 09 23	12-0412	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,402.39	154.70
23 09 23	12-0413	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,419.43	154.70
23 09 23	12-0414	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,497.10	154.70
23 09 23	12-0415	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,578.55	154.70
23 09 23	12-0416	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,641.35	171.90
23 09 23	12-0417	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,720.90	171.90
23 09 23	12-0418	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.85	171.90
23 09 23	12-0419	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.85	171.90
23 09 23	12-0420	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,860.77	171.90
23 09 23	12-0421	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,239.48	154.70
23 09 23	12-0422	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,254.63	154.70
23 09 23	12-0423	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,351.24	154.70
23 09 23	12-0424	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,447.85	154.70
23 09 23	12-0425	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,466.79	154.70
23 09 23	12-0426	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,548.24	154.70
23 09 23	12-0427	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,671.65	171.90
23 09 23	12-0428	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,690.60	171.90
23 09 23	12-0429	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,787.20	171.90
23 09 23	12-0430	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,969.22	171.90
23 09 23	12-0431	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,969.22	171.90
23 09 23	12-0432	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,002.37	171.90
23 09 23	12-0433	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,624.01	154.70
23 09 23	12-0434	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,641.06	154.70
23 09 23	12-0435	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,794.50	154.70
23 09 23	12-0436	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,893.00	154.70
23 09 23	12-0437	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,927.09	154.70
23 09 23	12-0438	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,071.34	171.90
23 09 23	12-0439	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,192.57	171.90
23 09 23	12-0440	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,222.88	171.90
23 09 23	12-0441	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,323.28	171.90
23 09 23	12-0442	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,969.22	171.90
23 09 23	12-0443	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,969.22	171.90
23 09 23	12-0444	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,036.75	189.08
23 09 23	12-0445	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,660.00	154.70
23 09 23	12-0446	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,678.95	154.70
23 09 23	12-0447	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,824.80	154.70
23 09 23	12-0448	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,942.25	154.70
23 09 23	12-0449	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,005.04	171.90
23 09 23	12-0450	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,120.59	171.90
23 09 23	12-0451	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,245.61	171.90
23 09 23	12-0452	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,274.03	171.90
23 09 23	12-0453	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,400.94	171.90
23 09 23	12-0454	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,102.76	171.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0455 EA 66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,137.14	189.08
23 09 23 12-0456 EA 66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,195.39	189.08
23 09 23 12-0457 EA 72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,692.21	154.70
23 09 23 12-0458 EA 72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,716.83	154.70
23 09 23 12-0459 EA 72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,858.90	154.70
23 09 23 12-0460 EA 72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,023.99	171.90
23 09 23 12-0461 EA 72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,050.50	171.90
23 09 23 12-0462 EA 72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,171.74	171.90
23 09 23 12-0463 EA 72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,298.65	171.90
23 09 23 12-0464 EA 72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,323.28	171.90
23 09 23 12-0465 EA 72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,455.88	171.90
23 09 23 12-0466 EA 72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,137.14	189.08
23 09 23 12-0467 EA 72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,137.14	189.08
23 09 23 12-0468 EA 72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,195.39	189.08
23 09 23 12-0469 EA 76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,731.99	154.70
23 09 23 12-0470 EA 76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,758.51	154.70
23 09 23 12-0471 EA 76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,934.96	171.90
23 09 23 12-0472 EA 76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,073.24	171.90
23 09 23 12-0473 EA 76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,090.28	171.90
23 09 23 12-0474 EA 76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,222.88	171.90
23 09 23 12-0475 EA 76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,357.37	171.90
23 09 23 12-0476 EA 76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,389.58	171.90
23 09 23 12-0477 EA 76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,558.45	189.08
23 09 23 12-0478 EA 76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,311.89	189.08
23 09 23 12-0479 EA 76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,311.89	189.08
23 09 23 12-0480 EA 76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,362.09	189.08
23 09 23 12-0481 EA 80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,775.55	154.70
23 09 23 12-0482 EA 80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,800.18	154.70
23 09 23 12-0483 EA 80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,974.73	171.90
23 09 23 12-0484 EA 80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,120.59	171.90
23 09 23 12-0485 EA 80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,133.85	171.90
23 09 23 12-0486 EA 80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,274.03	171.90
23 09 23 12-0487 EA 80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,416.10	171.90
23 09 23 12-0488 EA 80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,490.26	189.08
23 09 23 12-0489 EA 80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,628.54	189.08
23 09 23 12-0490 EA 80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,311.89	189.08
23 09 23 12-0491 EA 80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,311.89	189.08
23 09 23 12-0492 EA 80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,362.09	189.08
23 09 23 12-0493 EA 84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,811.54	154.70
23 09 23 12-0494 EA 84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,862.97	171.90
23 09 23 12-0495 EA 84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,006.94	171.90
23 09 23 12-0496 EA 84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,169.84	171.90
23 09 23 12-0497 EA 84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,177.42	171.90
23 09 23 12-0498 EA 84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,310.02	171.90
23 09 23 12-0499 EA 84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,495.94	189.08
23 09 23 12-0500 EA 84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,537.61	189.08
23 09 23 12-0501 EA 84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,677.79	189.08
23 09 23 12-0502 EA 84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	3,453.48	189.08
23 09 23 12-0503 EA 84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	3,453.48	189.08
23 09 23 12-0504 EA 84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	3,528.78	189.08

23 09 23 12-0505 Round Galvanized Control Dampers (23 09 23 12)

Note: Excludes actuators.

23 09 23 12-0506 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	214.35	48.13
23 09 23 12-0507 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	221.33	51.57
23 09 23 12-0508 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	230.79	51.57
23 09 23 12-0509 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	256.26	58.44
23 09 23 12-0510 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	291.36	58.44
23 09 23 12-0511 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	316.24	68.75
23 09 23 12-0512 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	424.81	72.37
23 09 23 12-0513 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	444.11	75.02
23 09 23 12-0514 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	471.35	80.87
23 09 23 12-0515 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	499.10	86.72

23 09 23 12-0516 Remote Damper Control (23 09 23 12)

23 09 23 12-0517 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	312.74	
For Each 10' Flexible Casing And Wire, Add	41.36	
23 09 23 12-0518 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	321.21	
For Each 10' Flexible Casing And Wire, Add	41.36	

23 09 23 13 Energy Meters (23 09 23)

23 09 23 13-0001 Surge Protectors (23 09 23 13)

23 09 23 13-0002 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	354.88	9.82
23 09 23 13-0003 EA Surge Protector, 1AC Outlet (Transtector TR2251)	267.72	9.82
23 09 23 13-0004 EA Surge Protector, 2 AC Outlets (Transtector TR2254)	417.69	9.82
23 09 23 13-0005 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	225.16	9.82
23 09 23 13-0006 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	225.16	9.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23	13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	225.16	9.82
23 09 23	13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	326.51	9.82
23 09 23	13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	200.84	9.82
23 09 23 14 Flow Instruments (23 09 23)					
23 09 23	14-0001		Water Flow Meters (23 09 23 14)		
23 09 23	14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,319.30	109.33
23 09 23	14-0003		Air Flow Monitoring Stations (23 09 23 14)		
23 09 23	14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,201.57	132.01
23 09 23	14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,021.59	132.01
23 09 23	14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,488.00	132.01
23 09 23 16 Gas Instruments (23 09 23)					
23 09 23	16-0001		Gas Sensors (23 09 23 16)		
23 09 23	16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,202.95	58.92
23 09 23	16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	971.97	39.27
23 09 23	16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,749.77	58.92
23 09 23	16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	946.82	70.70
23 09 23 19 Moisture Instruments (23 09 23)					
23 09 23	19-0001		Relative Humidity Sensors (23 09 23 19)		
23 09 23	19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	587.50	70.70
23 09 23	19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	603.69	70.70
23 09 23	19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	682.03	98.19
23 09 23	19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	533.68	39.27
23 09 23 21 Motion Instruments (23 09 23)					
23 09 23	21-0001		Peco Motion Sensors (23 09 23 21)		
23 09 23	21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	194.37	27.62
23 09 23	21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	190.51	27.62
23 09 23	21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	255.30	27.62
23 09 23	21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	226.71	27.62
23 09 23	21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	69.58	27.62
23 09 23	21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	64.26	27.62
23 09 23	21-0008	EA	Power Pack And Controller (Peco SF200-001)	119.05	27.62
23 09 23 23 Pressure Instruments (23 09 23)					
23 09 23	23-0001		Pressure Sensors (23 09 23 23)		
23 09 23	23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	784.45	82.92
23 09 23	23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	697.48	82.92
23 09 23	23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	276.67	82.92
23 09 23	23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	286.77	82.92
23 09 23	23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	306.55	82.92
23 09 23	23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	283.84	82.92
23 09 23	23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	2,902.62	82.92
23 09 23	23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	2,902.62	82.92
23 09 23	23-0010	EA	Magnahelic Gauge	753.53	50.69
23 09 23	23-0011		Room Pressure Monitoring (23 09 23 23)		
23 09 23	23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,473.01	68.75
23 09 23	23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,589.99	68.75
23 09 23	23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	442.84	41.26
23 09 23	23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	510.40	41.26
23 09 23 27 Temperature Instruments (23 09 23)					
23 09 23	27-0001		Air Temperature Sensors (23 09 23 27)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0002 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	214.55	70.70
23 09 23 27-0003 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	301.52	70.70
23 09 23 27-0004 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	224.55	70.70
23 09 23 27-0005 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	234.81	70.70
23 09 23 27-0006 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	238.23	70.70
23 09 23 27-0007 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	234.85	70.70
23 09 23 27-0008 EA 10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	236.67	70.70
23 09 23 27-0009 EA 10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	253.95	70.70
23 09 23 27-0010 EA 10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	269.04	70.70
23 09 23 27-0011 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	325.44	98.19
23 09 23 27-0012 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	337.06	98.19
23 09 23 27-0013 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	147.32	39.27
23 09 23 27-0014 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	151.59	39.27
23 09 23 27-0015 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	140.37	39.27
23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)		
23 09 23 27-0017 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	173.07	75.97
23 09 23 27-0018 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	392.04	75.97
23 09 23 27-0019 Peco Thermostats (23 09 23 27)		
23 09 23 27-0020 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	407.15	18.41
23 09 23 27-0021 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	362.83	18.41
23 09 23 53 Proprietary Control Systems (23 09 23)		
23 09 23 53-0001 EMCS General Costs (23 09 23 53)		
23 09 23 53-0002 EMCS System Design Services (23 09 23 53-0001)		
Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.		
23 09 23 53-0003 HR EMCS Site Inspection Of Existing Facilities	303.79	
23 09 23 53-0004 HR EMCS Engineering Project Management	303.79	
23 09 23 53-0005 HR EMCS System Engineering, Schematic Design And Layout	322.19	
23 09 23 53-0006 HR EMCS System Software Programming And Graphics Programming	322.19	
23 09 23 53-0007 HR EMCS Graphics Picture Creation	207.19	
23 09 23 53-0008 HR EMCS System Controls Training	303.79	
23 09 23 53-0009 HR EMCS On Site System Diagnostics Field Technician	303.79	
23 09 23 53-0010 HR EMCS Remote Technical Support Using Phone Or Internet	253.21	
23 09 23 53-0011 HR EMCS Travel Time (All Personnel)	262.42	
23 09 23 53-0012 Field Tests, Checkout And Commissioning (23 09 23 53-0001)		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0013 PNT EMCS Field Test	161.16	
Note: Priced per point.		
23 09 23 53-0014 PNT EMCS Field Checkout And Startup	161.16	
Note: Priced per point.		
23 09 23 53-0015 PNT EMCS Field Commissioning	161.16	
Note: Priced per point.		
23 09 23 53-0016 EA EMCS Field Balance Support	138.09	
Note: Priced per controller.		
23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001)		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018 PNT EMCS System Engineering/Submittal Design And Layout	53.76	
Note: Priced per point.		
23 09 23 53-0019 Alerton Controls (23 09 23 53)		
23 09 23 53-0020 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	9,804.47	
23 09 23 53-0021 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	12,599.97	
23 09 23 53-0022 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	31,908.30	
23 09 23 53-0023 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	23,933.12	
23 09 23 53-0024 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	61,710.27	
23 09 23 53-0025 EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	48,663.72	
23 09 23 53-0026 EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	74,302.64	
23 09 23 53-0027 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,061.69	
23 09 23 53-0028 EA Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1)	28,180.95	
23 09 23 53-0029 EA Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG)	20,612.92	
23 09 23 53-0030 EA 150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED)	12,541.22	
23 09 23 53-0031 EA 50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM)	7,743.50	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0032	EA		10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS)	2,988.18	
23 09 23 53-0033	EA		1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	5,334.57	294.58
23 09 23 53-0034	EA		Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS)	7,875.57	392.78
23 09 23 53-0035	EA		Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	7,773.15	392.78
23 09 23 53-0036	EA		V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	2,858.06	294.58
23 09 23 53-0037	EA		1 MS/TP, BACTalk Control Module (Alerton 715000300).....	3,458.30	294.58
23 09 23 53-0038	EA		Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	2,673.36	294.58
23 09 23 53-0039	EA		1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX)	3,320.63	294.58
23 09 23 53-0040	EA		Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	7,827.86	294.58
23 09 23 53-0041	EA		BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	3,605.07	392.78
23 09 23 53-0042	EA		EXP BACnet Controller (Alerton VLX)	7,919.52	785.54
23 09 23 53-0043	EA		VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	9,233.34	785.54
23 09 23 53-0044	EA		Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,217.22	87.47
23 09 23 53-0045	EA		4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,333.38	294.58
23 09 23 53-0046	EA		4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,471.90	294.58
23 09 23 53-0047	EA		4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,993.39	294.58
23 09 23 53-0048	EA		4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	2,186.48	294.58
23 09 23 53-0049	EA		5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD)	2,178.08	294.58
23 09 23 53-0050	EA		11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,286.21	294.58
23 09 23 53-0051	EA		16 Inputs, BACTalk Field Controller (Alerton VLC-1600)	2,523.11	294.58
23 09 23 53-0052	EA		16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	3,785.58	392.78
23 09 23 53-0053	EA		4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,676.20	196.39
23 09 23 53-0054	EA		5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550)	1,620.78	196.39
23 09 23 53-0055	EA		6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	2,199.06	294.58
23 09 23 53-0056	EA		6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R).....	2,199.06	294.58
23 09 23 53-0057	EA		8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853).....	2,646.51	294.58
23 09 23 53-0058	EA		16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	5,255.53	392.78
23 09 23 53-0059	EA		2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	2,278.81	294.58
23 09 23 53-0060	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	154.79	11.04
23 09 23 53-0061	EA		One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT).....	252.51	11.04
23 09 23 53-0062	EA		One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	648.74	11.04
23 09 23 53-0063	EA		Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT)	648.74	11.04
23 09 23 53-0064	EA		Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	504.37	11.04
23 09 23 53-0065	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	168.57	11.04
23 09 23 53-0066	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	684.85	11.04
23 09 23 53-0067	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	768.81	11.04
23 09 23 53-0068	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,277.82	294.58
23 09 23 53-0069	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	3,484.32	294.58
23 09 23 53-0070	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	3,306.36	294.58
23 09 23 53-0071	EA		50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	10,623.19	
23 09 23 53-0072	EA		Global Controller Base Unit (Alerton ACM).....	5,791.42	294.58
23 09 23 53-0073	EA		External Battery Pack For ACM (Alerton ACM-BATT)	1,257.97	163.86
23 09 23 53-0074	EA		Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,040.11	
23 09 23 53-0075	EA		Microset 4 Wall Sensor (Alerton MS4-THC)	1,190.28	11.04

23 09 23 53-0076 Automated Logic Controls (23 09 23 53)

23 09 23 53-0077	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	3,694.76	294.58
23 09 23 53-0078	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	8,264.22	883.74
23 09 23 53-0079	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,549.65	294.58
23 09 23 53-0080	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	5,382.11	392.78
23 09 23 53-0081	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	5,296.65	392.78
23 09 23 53-0082	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	8,542.36	785.54
23 09 23 53-0083	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	4,741.19	392.78
23 09 23 53-0084	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	4,754.41	294.58
23 09 23 53-0085	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	8,029.63	785.54
23 09 23 53-0086	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,927.51	196.39
23 09 23 53-0087	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	2,060.78	196.39
23 09 23 53-0088	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,787.19	196.39
23 09 23 53-0089	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,691.05	196.39
23 09 23 53-0090	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,327.46	294.58
23 09 23 53-0091	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC)	14,140.55	
23 09 23 53-0092	EA		500 Point, Front End Software For Building Control (Automated Logic WC500)	8,927.73	
23 09 23 53-0093	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	11,663.93	

23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)**23 09 23 53-0095 Wireless Pneumatic Thermostat (23 09 23 53-0094)**

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0096 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP).....	551.35	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-28.38	
For >200, Deduct	-56.71	
23 09 23 53-0097 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP).....	551.35	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-28.38	
For >200, Deduct	-56.71	
23 09 23 53-0098 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP).....	551.35	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-28.38	
For >200, Deduct	-56.71	
23 09 23 53-0099 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP).....	551.35	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-28.38	
For >200, Deduct	-56.71	
23 09 23 53-0100 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB).....	627.37	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.61	
For >200, Deduct	-65.16	
23 09 23 53-0101 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB).....	627.37	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.61	
For >200, Deduct	-65.16	
23 09 23 53-0102 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	627.37	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.61	
For >200, Deduct	-65.16	
23 09 23 53-0103 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB).....	627.37	12.27
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-32.61	
For >200, Deduct	-65.16	
23 09 23 53-0104 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	44.87	12.27
Note: Optional cover.		
For >50 To 200, Deduct	-1.81	
For >200, Deduct	-3.62	
23 09 23 53-0105 EA Green Box Controller (Cypress Envirosystems GBC-830-COM).....	4,962.32	12.27
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-248.61	
For >2, Deduct	-496.77	
23 09 23 53-0106 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB).....	478.77	12.27
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-25.94	
For >2, Deduct	-51.83	
23 09 23 53-0107 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL).....	831.92	12.27
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-42.84	
For >10, Deduct	-85.61	
23 09 23 53-0108 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V).....	1,018.79	12.27
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-49.82	
For >10, Deduct	-99.55	
23 09 23 53-0109 Delta Controls <small>(23 09 23 53)</small>		
23 09 23 53-0110 Software <small>(23 09 23 53-0109)</small>		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111 EA Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	2,495.73	
23 09 23 53-0112 EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	4,226.04	
23 09 23 53-0113 EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	9,156.42	
23 09 23 53-0114 EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	14,469.51	
23 09 23 53-0115 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	7,426.11	
23 09 23 53-0116 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	2,495.73	
23 09 23 53-0117 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	6,017.43	
23 09 23 53-0118 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	7,426.11	
23 09 23 53-0119 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	2,618.08	122.74
23 09 23 53-0120 EA Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	2,866.46	
23 09 23 53-0121 EMCS Central Equipment And Controllers <small>(23 09 23 53-0109)</small>		
23 09 23 53-0122 EA Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616).....	8,974.34	490.97
Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 09 Instrumentation and Control for HVAC

23 09 23 Direct-Digital Control System for HVAC



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0123 EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	6,720.45	490.97
23 09 23 53-0124 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,843.38	490.97
23 09 23 53-0125 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	4,843.38	490.97
23 09 23 53-0126 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,843.38	490.97
23 09 23 53-0127 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	4,500.12	490.97
23 09 23 53-0128 EA VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,605.27	245.49
23 09 23 53-0129 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,453.84	245.49
23 09 23 53-0130 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,554.31	245.49
23 09 23 53-0131 EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,453.84	245.49
23 09 23 53-0132 EA Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,481.31	306.86
23 09 23 53-0133 EA Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	860.22	122.74
23 09 23 53-0134 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	924.07	122.74
23 09 23 53-0135 EA Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	1,089.66	122.74
23 09 23 53-0136 Network, VAV And Special Sensors <small>(23 09 23 53-0109)</small>		
23 09 23 53-0137 EA BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	288.26	39.27
23 09 23 53-0138 EA BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	392.21	44.19
23 09 23 53-0139 EA Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	777.17	18.41
23 09 23 53-0140 Honeywell Controls <small>(23 09 23 53)</small>		
23 09 23 53-0141 EMCS Central Equipment And Controllers <small>(23 09 23 53-0140)</small>		
23 09 23 53-0142 EMCS Network Area Controllers (BACnet Or Lon) <small>(23 09 23 53-0141)</small>		
Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)	12,514.75	598.37
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 53-0144 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)	8,488.24	598.37
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 53-0145 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201).....	6,447.02	598.37
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 53-0146 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)	8,071.36	598.37
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 53-0147 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	6,391.10	598.37
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 53-0148 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)	6,391.10	598.37
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 53-0149 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B).....	6,952.88	598.37
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0150 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	7,542.62	598.37
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0151 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,952.88	598.37
23 09 23 53-0152 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,542.62	598.37
23 09 23 53-0153 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,547.71	598.37
23 09 23 53-0154 EA 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,137.45	598.37
23 09 23 53-0155 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,547.71	598.37
23 09 23 53-0156 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,137.45	598.37
23 09 23 53-0157 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,043.39	598.37
23 09 23 53-0158 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	10,013.44	598.37
23 09 23 53-0159 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	10,620.97	598.37
23 09 23 53-0160 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	12,591.01	598.37
23 09 23 53-0161 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	10,648.93	598.37
23 09 23 53-0162 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,403.45	598.37
23 09 23 53-0163 EMCS Network Interfaces (23 09 23 53-0141) Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,818.08	165.70
23 09 23 53-0165 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009)..... Note: For laptop computer.	1,544.82	110.47
23 09 23 53-0166 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,968.88	207.19
23 09 23 53-0167 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,025.08	299.24
23 09 23 53-0168 EA Two Way Lon Repeater (Honeywell Q7740A1008)	1,553.26	299.24
23 09 23 53-0169 EA FTT Termination Module For Network Bus (Honeywell 209541B).....	111.04	36.82
23 09 23 53-0170 DDC Application Specific Controller Assemblies (23 09 23 53-0141) Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,872.48	676.65
23 09 23 53-0172 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,412.20	400.48
23 09 23 53-0173 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,065.79	792.64
23 09 23 53-0174 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,605.52	516.47
23 09 23 53-0175 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,391.45	828.58
23 09 23 53-0176 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,046.18	620.83
23 09 23 53-0177 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,598.55	952.86
23 09 23 53-0178 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,225.62	729.21
23 09 23 53-0179 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,537.40	676.55
23 09 23 53-0180 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,077.12	400.48
23 09 23 53-0181 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,790.62	828.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0182 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,330.21	552.34
23 09 23 53-0183 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,401.60	687.70
23 09 23 53-0184 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,932.11	562.16
23 09 23 53-0185 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,654.81	952.85
23 09 23 53-0186 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,185.20	633.35
23 09 23 53-0187 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	4,309.68	952.85
23 09 23 53-0188 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	3,890.88	608.80
23 09 23 53-0189 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	4,816.11	952.85
23 09 23 53-0190 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,397.18	713.13
23 09 23 53-0191 DDC Programmable Controller Assemblies (23 09 23 53-0141)		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	2,910.86	731.91
23 09 23 53-0193 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,392.84	731.91
23 09 23 53-0194 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,565.27	860.79
23 09 23 53-0195 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,047.25	860.79
23 09 23 53-0196 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	8,368.85	1,008.08
23 09 23 53-0197 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	8,926.01	1,008.08
23 09 23 53-0198 EMCS Optional DDC Controller Hardware (23 09 23 53-0141)		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	579.57	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0200 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	669.81	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0201 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)	701.59	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0202 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	662.19	
23 09 23 53-0203 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	672.36	
23 09 23 53-0204 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	657.10	
23 09 23 53-0205 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	565.59	
23 09 23 53-0206 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	491.88	
23 09 23 53-0207 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	720.65	
23 09 23 53-0208 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	644.39	
23 09 23 53-0209 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	711.76	
23 09 23 53-0210 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,511.21	
23 09 23 53-0211 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,879.80	
23 09 23 53-0212 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	939.27	
23 09 23 53-0213 EA Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	925.28	
23 09 23 53-0214 EA Hydronic Controller Without Wall Module (Honeywell W7762B1027)	453.75	
23 09 23 53-0215 EA Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	516.02	
23 09 23 53-0216 EA IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	953.25	
23 09 23 53-0217 EA IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	1,019.34	
23 09 23 53-0218 EA AI Module (Honeywell XFL521B).....	638.04	
23 09 23 53-0219 EA AO Module (Honeywell XFL522B).....	638.04	
23 09 23 53-0220 EA DI Module (Honeywell XFL523B).....	638.04	
23 09 23 53-0221 EA DO Module (Honeywell XFL524B).....	638.04	
23 09 23 53-0222 EA Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	113.12	
23 09 23 53-0223 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	213.53	
23 09 23 53-0224 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	209.71	
23 09 23 53-0225 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	641.85	
23 09 23 53-0226 EA Lon Hub (Honeywell XIO-HUB)	95.32	
23 09 23 53-0227 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	641.85	
23 09 23 53-0228 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	591.01	
23 09 23 53-0229 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	591.01	
23 09 23 53-0230 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	622.79	
23 09 23 53-0231 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	622.79	
23 09 23 53-0232 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	896.05	
23 09 23 53-0233 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,057.47	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	2,247.12	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 53-0235 EMCS Software (23 09 23 53-0140)		
23 09 23 53-0236 Software Packages And License (23 09 23 53-0235)		
Note: Includes installation on equipment.		
23 09 23 53-0237 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	716.84	
Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,714.13	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	8,007.27	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0240 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	4,766.23	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0241 EA Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,383.22	
23 09 23 53-0242 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,759.44	
23 09 23 53-0243 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,739.92	
23 09 23 53-0244 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	836.15	
23 09 23 53-0245 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	537.46	
23 09 23 53-0246 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	36,740.49	
23 09 23 53-0247 EA Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	33,506.15	
23 09 23 53-0248 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,768.42	
23 09 23 53-0249 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,527.38	
23 09 23 53-0250 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,754.25	
23 09 23 53-0251 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,754.25	
23 09 23 53-0252 EA Ykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,064.92	
23 09 23 53-0253 EA Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,541.99	
23 09 23 53-0254 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,754.25	
23 09 23 53-0255 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,202.73	
23 09 23 53-0256 EA WEBStation Additional Node (Honeywell ZW2000B1002)	2,754.25	
23 09 23 53-0257 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,180.33	
23 09 23 53-0258 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	84,733.42	
23 09 23 53-0259 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	148,283.17	
23 09 23 53-0260 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,625.97	
23 09 23 53-0261 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,812.98	
23 09 23 53-0262 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	2,976.50	
23 09 23 53-0263 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.	3,286.08	
23 09 23 53-0264 Initial Database Generation (23 09 23 53-0235)		
23 09 23 53-0265 PNT Database Generation For Central Plant	82.36	
23 09 23 53-0266 PNT Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	82.36	
23 09 23 53-0267 EA Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	82.36	
23 09 23 53-0268 EA Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	57.32	
23 09 23 53-0269 EA Database Generation For Remote IO Modules, Sensors, Etcetera	57.32	
23 09 23 53-0270 Application Software Programs (23 09 23 53-0235)		
23 09 23 53-0271 EA Basic Application Program Package Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	3,436.76	
23 09 23 53-0272 EA Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	114.88	
23 09 23 53-0273 EA Duty Cycling Program	54.25	
23 09 23 53-0274 EA Hot Deck/Cold Deck Reset Application Program	5,904.23	
23 09 23 53-0275 EA Boiler Optimization Program	7,737.13	
23 09 23 53-0276 EA Chiller Optimization Program	10,480.72	
23 09 23 53-0277 EA Lighting Control Program	5,057.60	
23 09 23 53-0278 EA Demand Limiting Program Note: Priced per controller requiring optimum start programming.	100.77	
23 09 23 53-0279 EA Email Alarm Server Configuration	3,901.72	
23 09 23 53-0280 Color Graphics Generation (23 09 23 53-0235)		
23 09 23 53-0281 EA Single Site Home Page Graphics Page With HTML Navigation Code	2,059.37	
23 09 23 53-0282 EA Multi Site Home Page Graphics Page With HTML Navigation Code	3,656.34	
23 09 23 53-0283 EA Color Graphics Page For Central Plant	935.67	
23 09 23 53-0284 EA Color Graphics Page For Building Floor Plan	863.98	
23 09 23 53-0285 EA Replication Of Color Graphics Page For Central Plant	469.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0286 EA Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,052.63	
23 09 23 53-0287 EA Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	225.11	
23 09 23 53-0288 EA Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	973.58	
23 09 23 53-0289 EA Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	97.33	
23 09 23 53-0290 Sensors, Actuators And Control Devices (23 09 23 53-0140) Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0291 Special Sensors (23 09 23 53-0290)		
23 09 23 53-0292 EA Dewpoint Sensor (Honeywell C7232B1014).....	2,243.25	75.97
23 09 23 53-0293 EA Enthalpy Sensor -25 To 125 F.....	2,341.47	75.97
23 09 23 53-0294 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	1,038.21	151.96
23 09 23 53-0295 EA Freezestat (Honeywell L482A1004).....	709.85	253.21
23 09 23 53-0296 EA Wall Mounted Occupancy Sensor.....	515.57	75.97
23 09 23 53-0297 EA Ceiling Mounted Occupancy Sensor.....	407.30	75.97
23 09 23 53-0298 EA I/P Positioner With Gauge.....	480.09	75.97
23 09 23 53-0299 EA Non-Communicating Duct Mounted Smoke Detector With Sampling Tube.....	574.47	75.97
23 09 23 53-0300 EA EP Transducer.....	480.09	50.69
23 09 23 53-0301 EA Electric Heat Sequencer.....	759.47	101.27
23 09 23 53-0302 Meters (23 09 23 53-0290)		
23 09 23 53-0303 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer.....	4,898.81	607.57
23 09 23 53-0304 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface.....	7,095.10	708.84
23 09 23 53-0305 EA 1 To 300 Amperes, Current Transformer For KW Meter.....	1,692.31	253.21
23 09 23 53-0306 EA 300 To 800 Amperes, Current Transformer For KW Meter.....	1,945.36	253.21
23 09 23 53-0307 EA 800 To 2,400 Amperes, Current Transformer For KW Meter.....	2,430.65	253.21
23 09 23 53-0308 Direct Coupled Actuators (23 09 23 53-0290)		
23 09 23 53-0309 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	706.91	113.45
23 09 23 53-0310 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	778.20	113.45
23 09 23 53-0311 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	900.77	113.45
23 09 23 53-0312 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	665.19	113.45
23 09 23 53-0313 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	741.86	113.45
23 09 23 53-0314 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	817.78	113.45
23 09 23 53-0315 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	746.05	113.45
23 09 23 53-0316 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	855.37	113.45
23 09 23 53-0317 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	973.37	113.45
23 09 23 53-0318 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	608.32	113.45
23 09 23 53-0319 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	666.53	113.45
23 09 23 53-0320 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	783.47	113.45
23 09 23 53-0321 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	838.52	113.45
23 09 23 53-0322 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	837.83	113.45
23 09 23 53-0323 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	988.79	113.45
23 09 23 53-0324 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	632.17	113.45
23 09 23 53-0325 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	1,102.85	113.45
23 09 23 53-0326 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	477.35	113.45
23 09 23 53-0327 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	724.92	113.45
23 09 23 53-0328 Thermostats (23 09 23 53-0140)		
23 09 23 53-0329 Electric And Electronic Thermostats (23 09 23 53-0328) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0330 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	225.01	18.41
23 09 23 53-0331 EA Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	243.07	18.41
23 09 23 53-0332 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	223.00	18.41
23 09 23 53-0333 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	250.50	18.41
23 09 23 53-0334 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	271.17	18.41
23 09 23 53-0335 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	403.65	18.41
23 09 23 53-0336 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	592.32	18.41



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0337	EA		Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	965.41	18.41
23 09 23 53-0338	EA		Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	1,030.23	18.41
23 09 23 53-0339			Pneumatic Thermostats (23 09 23 53-0328) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0340	EA		Pneumatic Thermostat (Honeywell TP970B2182).....	316.93	18.41
23 09 23 53-0341			Thermostats Guards (23 09 23 53-0328)		
23 09 23 53-0342	EA		9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	75.86	18.41
23 09 23 53-0343	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	90.91	18.41
23 09 23 53-0344	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	85.49	18.41
23 09 23 53-0345			Johnson Controls (23 09 23 53)		
23 09 23 53-0346			Software (23 09 23 53-0345) Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0347	EA		5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	20,405.82	
23 09 23 53-0348	EA		10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	24,136.70	
23 09 23 53-0349	EA		N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	1,171.53	
23 09 23 53-0350	EA		N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,786.39	
23 09 23 53-0351	EA		BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	3,181.19	
23 09 23 53-0352	EA		BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	1,181.94	
23 09 23 53-0353	EA		New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	1,174.96	
23 09 23 53-0354	EA		Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	414.41	
23 09 23 53-0355			Supervisory Controllers (23 09 23 53-0345)		
23 09 23 53-0356	EA		NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	8,740.68	490.97
23 09 23 53-0357	EA		NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	13,661.06	490.97
23 09 23 53-0358	EA		NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	18,592.35	490.97
23 09 23 53-0359	EA		NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	6,845.37	490.97
23 09 23 53-0360			Controllers (23 09 23 53-0345)		
23 09 23 53-0361	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	1,013.84	122.74
23 09 23 53-0362	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	1,341.92	245.49
23 09 23 53-0363	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,734.88	245.49
23 09 23 53-0364	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	2,062.96	245.49
23 09 23 53-0365	EA		BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	825.61	122.74
23 09 23 53-0366	EA		BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	909.27	122.74
23 09 23 53-0367	EA		BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	1,034.76	122.74
23 09 23 53-0368	EA		17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IU4710-0).....	1,051.49	122.74
23 09 23 53-0369	EA		BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	2,148.32	245.49
23 09 23 53-0370	EA		32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	1,029.07	122.74
23 09 23 53-0371	EA		32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,506.19	122.74
			Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0372			Master FX Controllers (23 09 23 53-0345)		
23 09 23 53-0373	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,723.89	245.49
23 09 23 53-0374	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	2,922.14	245.49
23 09 23 53-0375	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	3,020.66	245.49
23 09 23 53-0376	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	2,960.79	245.49
23 09 23 53-0377	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,867.22	245.49

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0378 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,882.22	245.49
23 09 23 53-0379 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,867.22	245.49
23 09 23 53-0380 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	2,922.36	245.49
23 09 23 53-0381 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,093.57	245.49
23 09 23 53-0382 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,207.72	245.49
23 09 23 53-0383 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,150.64	245.49
23 09 23 53-0384 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,033.81	245.49
23 09 23 53-0385 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	2,922.36	245.49
23 09 23 53-0386 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,093.57	245.49
23 09 23 53-0387 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,207.72	245.49
23 09 23 53-0388 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,150.64	245.49
23 09 23 53-0389 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,033.81	245.49
23 09 23 53-0390 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	324.97	61.37
23 09 23 53-0391 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	465.43	61.37
23 09 23 53-0392 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	364.39	61.37
23 09 23 53-0393 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	324.97	61.37
23 09 23 53-0394 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	900.91	61.37
23 09 23 53-0395 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	828.66	61.37
23 09 23 53-0396 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	845.58	61.37
23 09 23 53-0397 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	845.58	61.37
23 09 23 53-0398 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	930.08	61.37
23 09 23 53-0399 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	930.08	61.37
23 09 23 53-0400 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,173.03	61.37
23 09 23 53-0401 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,173.03	61.37
23 09 23 53-0402 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,310.35	61.37
23 09 23 53-0403 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,310.35	61.37
23 09 23 53-0404 VAV, Network And Special Sensors (23 09 23 53-0345)		
23 09 23 53-0405 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	619.56	39.27
23 09 23 53-0406 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	204.71	39.27
23 09 23 53-0407 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	478.62	39.27
23 09 23 53-0408 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	717.84	39.27
23 09 23 53-0409 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	235.77	39.27
23 09 23 53-0410 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	650.39	39.27
23 09 23 53-0411 Sensors - Hard Wired Type (23 09 23 53-0345)		
23 09 23 53-0412 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	195.49	70.70
23 09 23 53-0413 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	169.19	39.27
23 09 23 53-0414 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)	481.37	18.41
Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.		
23 09 23 53-0415 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)	653.06	18.41
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 53-0416 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627/VVT-2)	482.32	18.41
Note: For VVT systems.		
23 09 23 53-0417 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	635.07	39.27
23 09 23 53-0418 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	783.66	39.27
23 09 23 53-0419 Melink Intelli-Hood IH3 Controls (23 09 23 53)		
23 09 23 53-0420 Kitchen Ventilation Controllers (23 09 23 53-0419)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0421 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001)..... Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,176.89	490.97
23 09 23 53-0422 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001)..... Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	1,944.38	101.27
23 09 23 53-0423 EA Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,146.51	408.73
23 09 23 53-0424 Kitchen Ventilation Sensors (23 09 23 53-0419)		
23 09 23 53-0425 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q)..... Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	570.60	70.70
23 09 23 53-0426 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	4,919.85	392.78
23 09 23 53-0427 Siemens Controls (23 09 23 53)		
23 09 23 53-0428 EA Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	464.00	18.41
23 09 23 53-0429 EA Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	326.46	18.41
23 09 23 53-0430 EA SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	333.12	82.92
23 09 23 53-0431 EA -0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	509.02	82.92
23 09 23 53-0432 EA Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	78.69	12.27
23 09 23 53-0433 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	262.99	122.74
23 09 23 53-0434 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	430.05	21.52
23 09 23 53-0435 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	758.44	39.07
23 09 23 53-0436 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,529.73	39.07
23 09 23 53-0437 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	1,292.66	49.49
23 09 23 53-0438 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	334.62	70.70
23 09 23 53-0439 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	282.88	39.27
23 09 23 53-0440 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	619.28	57.93
23 09 23 53-0441 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	112.91	6.13
23 09 23 53-0442 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	999.79	117.83
23 09 23 53-0443 EA MMI Extension Cable (Siemens 545-712).....	182.78	6.13
23 09 23 53-0444 EA Remote Pressure Transmitter (Siemens 547-003).....	1,497.51	39.27
23 09 23 53-0445 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	917.17	29.46
23 09 23 53-0446 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	793.53	78.56
23 09 23 53-0447 EA Door Lock And Key Assembly (Siemens 567-225).....	43.42	24.55
23 09 23 53-0448 EA Insight Advanced Software Package (Siemens 571-010-381-USB)..... Note: Includes one user license and one sentinel key.	15,209.14	
23 09 23 53-0449 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	530.80	
23 09 23 53-0450 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	3,342.52	
23 09 23 53-0451 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	505.04	12.99
23 09 23 53-0452 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	1,063.60	22.52
23 09 23 53-0453 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	9,989.73	49.10
23 09 23 53-0454 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	11,770.38	49.10
23 09 23 53-0455 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	182.22	18.41
23 09 23 53-0456 EA Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	468.26	55.01
23 09 23 53-0457 EA Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	499.14	55.01
23 09 23 53-0458 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	4,420.08	
23 09 23 53-0459 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	892.53	
23 09 23 53-0460 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	2,872.53	
23 09 23 53-0461 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	2,056.33	
23 09 23 53-0462 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,767.72	
23 09 23 53-0463 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	5,226.18	
23 09 23 53-0464 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	830.87	2.45
23 09 23 53-0465 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	927.31	9.82
23 09 23 53-0466 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	469.75	2.45
23 09 23 53-0467 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	461.36	68.73
23 09 23 53-0468 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	807.97	68.73
23 09 23 53-0469 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	1,134.45	78.56
23 09 23 53-0470 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	41.26	12.27
23 09 23 53-0471 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	818.45	30.68

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0472	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,314.45	30.68
23 09 23 53-0473	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	1,001.19	30.68
23 09 23 53-0474	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,523.31	30.68
23 09 23 53-0475	EA		PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	4,458.87	61.37
23 09 23 53-0476	EA		PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	5,768.21	61.37
23 09 23 53-0477	EA		Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,572.08	61.37
23 09 23 53-0478	EA		16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	1,805.40	61.37
23 09 23 53-0479	EA		16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,159.48	61.37
23 09 23 53-0480	EA		16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	1,924.87	61.37
23 09 23 53-0481	EA		24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,634.20	61.37
23 09 23 53-0482	EA		24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	2,878.69	61.37
23 09 23 53-0483	EA		24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	2,818.03	61.37
23 09 23 53-0484	EA		24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,037.09	61.37
23 09 23 53-0485	EA		24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	2,812.51	61.37
23 09 23 53-0486	EA		24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,035.60	61.37
23 09 23 53-0487	EA		36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	3,913.80	61.37
23 09 23 53-0488	EA		36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	7,813.17	61.37
23 09 23 53-0489	EA		License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,326.06	
23 09 23 53-0490	EA		Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	526.73	30.68
23 09 23 53-0491	EA		Controller Mounted Operator Display Module (Siemens PXM10T).....	383.54	30.68
23 09 23 53-0492	EA		Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	874.14	24.55
			Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0493	EA		Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	296.03	30.68
23 09 23 53-0494	EA		Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	288.15	39.27
23 09 23 53-0495	EA		4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	143.28	30.68
23 09 23 53-0496	EA		8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	106.67	30.68
23 09 23 53-0497	EA		24" Flexible Averaging Probe (Siemens QAM2012.750).....	315.49	61.37
23 09 23 53-0498	EA		2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	201.51	46.03
23 09 23 53-0499	EA		10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	3,552.53	395.47
23 09 23 53-0500	EA		Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	37.51	12.27
23 09 23 53-0501	EA		Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.87	
23 09 23 53-0502	EA		16 Digital Input Module (Siemens TXM1.16D).....	656.70	12.27
23 09 23 53-0503	EA		6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	994.53	12.27
23 09 23 53-0504	EA		8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,597.42	24.55
23 09 23 53-0505	EA		1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	488.03	7.36
23 09 23 53-0506			Trane Controls (23 09 23 53)		
23 09 23 53-0507			Software (23 09 23 53-0506)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0508	EA		Summit + Building Management Package (Trane 40201152).....	7,549.45	
23 09 23 53-0509	EA		Summit Current Version Software (Trane 40201111).....	4,260.56	
23 09 23 53-0510	EA		Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	1,030.93	
23 09 23 53-0511	EA		Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	4,234.75	
23 09 23 53-0512	EA		Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....	11,715.60	
23 09 23 53-0513			EMCS Central Equipment And Controllers (23 09 23 53-0506)		
23 09 23 53-0514	EA		Summit BTMX Operator Display Upgrade (Trane 40201224).....	6,463.04	490.97
23 09 23 53-0515	EA		Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....	14,829.90	490.97
23 09 23 53-0516	EA		Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	14,829.90	490.97
23 09 23 53-0517	EA		Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	13,013.16	490.97
23 09 23 53-0518	EA		Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	15,125.47	490.97
23 09 23 53-0519	EA		Summit CCP Upgrade ROM Kit (Trane 40201095).....	227.90	30.68
23 09 23 53-0520	EA		Summit Comm5 Repeater (Trane 49500457).....	1,757.22	245.49
23 09 23 53-0521	EA		AHU Controller MP580/581 E Board Only (Trane 40201157).....	2,998.52	306.86
23 09 23 53-0522	EA		AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	3,850.37	368.23
23 09 23 53-0523	EA		AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	3,010.88	368.23
23 09 23 53-0524	EA		AHU Controller MP581 Operator Door Display (Trane 40201156).....	2,537.25	368.23
23 09 23 53-0525	EA		AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	2,534.58	368.23
23 09 23 53-0526	EA		Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	1,148.62	122.74
23 09 23 53-0527	EA		Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	1,044.26	122.74
23 09 23 53-0528	EA		Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	1,879.91	245.49
23 09 23 53-0529	EA		Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,793.37	245.49
23 09 23 53-0530	EA		2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	1,006.04	122.74
23 09 23 53-0531	EA		2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	880.39	122.74
23 09 23 53-0532	EA		4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	1,315.24	122.74
23 09 23 53-0533	EA		4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	1,190.26	122.74
23 09 23 53-0534	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	1,017.23	122.74
23 09 23 53-0535	EA		Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	969.22	122.74
23 09 23 53-0536	EA		Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	1,116.59	122.74
23 09 23 53-0537	EA		Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	1,017.23	122.74
23 09 23 53-0538	EA		DDC VAV Retrofit Kit (Trane VRTODD01).....	1,407.06	245.49
23 09 23 53-0539	EA		DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,530.65	245.49



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0540		Network, VAV And Special Sensors (23 09 23 53-0506)		
23 09 23 53-0541	EA	Digital Display Zone Sensor (Trane X1379046401).....	240.57	39.27
23 09 23 53-0542	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	159.63	39.27
23 09 23 53-0543	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	145.97	39.27
23 09 23 53-0544	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	296.73	44.19
23 09 23 53-0545	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	178.29	39.27
23 09 23 53-0546	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120).....	178.29	39.27
23 09 23 53-0547	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	626.32	70.70
23 09 23 53-0548	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	575.06	39.27
23 09 23 53-0549	EA	Transformer 120/24 40 VA (Trane X13550284010).....	139.15	39.27
23 09 23 53-0550	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	134.27	39.27
23 09 23 53-0551	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	126.47	39.27
23 09 23 53-0552	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	1,580.96	245.49
23 09 23 53-0553	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	1,514.29	245.49
23 09 23 53-0554	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	1,375.16	245.49
23 09 23 53-0555	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	2,459.51	368.23
23 09 23 53-0556	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	1,375.16	245.49
23 09 23 53-0557	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,445.73	245.49
23 09 23 53-0558	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	1,451.22	245.49
23 09 23 53-0559	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898).....	522.80	244.44
23 09 23 53-0560	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801).....	757.67	244.44
23 09 23 53-0561	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	2,755.00	368.23
23 09 23 53-0562	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010).....	2,647.73	368.23
23 09 23 53-0563	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	163.53	48.91
23 09 23 53-0564	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	592.91	48.91
23 09 23 53-0565	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....	2,821.31	368.23
23 09 23 53-0566	EA	BACnet Term (2 Pack) (Trane X1365152401).....	259.39	88.00
23 09 23 53-0567	EA	Tracer ES Add License (Trane X40250125010).....	3,381.81	
23 09 23 53-0568	EA	Kit - Tracer TU For Controls (Trane X4509151201).....	5,185.93	490.97
23 09 23 53-0569	EA	Kit - Tracer TU Complete (Trane X4509151301).....	6,820.37	490.97
23 09 23 53-0570	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	672.87	88.00
23 09 23 53-0571	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	385.19	88.00
23 09 23 53-0572	EA	Sensor Wireless Display Sensor (Trane X13790822010).....	435.90	88.00
23 09 23 53-0573	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010).....	390.06	88.00
23 09 23 53-0574	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	530.36	88.00
23 09 23 53-0575	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	578.13	88.00
23 09 23 53-0576		Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)		
23 09 23 53-0577		Current Switches And Current Sensors (23 09 23 53-0576)		
23 09 23 53-0578	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....	148.90	39.27
23 09 23 53-0579	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....	154.75	39.27
23 09 23 53-0580	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L).....	240.57	39.27
23 09 23 53-0581	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24).....	141.10	39.27
23 09 23 53-0582	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....	439.51	39.27
23 09 23 53-0583	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC).....	279.33	39.27
23 09 23 53-0584	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709).....	212.46	39.27
23 09 23 53-0585	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721).....	212.46	39.27
23 09 23 53-0586	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	5,759.87	196.39
23 09 23 53-0587	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2).....	1,464.84	39.27
23 09 23 53-0588	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3).....	2,228.03	39.27
23 09 23 53-0589	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV).....	228.16	39.27
23 09 23 53-0590	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	337.65	104.33
23 09 23 53-0591	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	338.12	104.33
23 09 23 53-0592	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	361.52	104.33
23 09 23 53-0593	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	367.37	104.33
23 09 23 53-0594	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	400.53	104.33
23 09 23 53-0595	EA	Toggle Switch.....	137.57	49.10
23 09 23 53-0596	EA	Maintained Pushbutton Switch.....	147.13	49.10
23 09 23 53-0597	EA	Manual Time Switch.....	237.21	49.10
23 09 23 53-0598	EA	Emergency Stop Switch.....	398.29	49.10
23 09 23 53-0599	EA	Float Switch.....	381.15	49.10
23 09 23 53-0600	EA	Break Glass Switch.....	1,258.57	49.10
23 09 23 53-0601	EA	Boiler E-Stop Switch.....	766.52	49.10
23 09 23 53-0602		Relays (23 09 23 53-0576)		
23 09 23 53-0603	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	122.57	39.27
23 09 23 53-0604	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	134.57	39.27
23 09 23 53-0605	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	190.73	49.10
		Note: Box type.		
23 09 23 53-0606	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	242.17	39.27
23 09 23 53-0607	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	113.87	39.27
23 09 23 53-0608	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	112.12	39.27
23 09 23 53-0609	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	122.57	39.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0610 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	128.05	39.27
23 09 23 53-0611 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	129.55	39.27
23 09 23 53-0612 EA SPDT Pilot Relay, Universal (Kele RIBU1C).....	140.20	49.10
Note: Box type.		
23 09 23 53-0613 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S).....	189.15	49.10
Note: Box type.		
23 09 23 53-0614 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400).....	340.13	49.10
23 09 23 53-0615 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	337.97	49.10
23 09 23 53-0616 Transformers (23 09 23 53-0576)		
23 09 23 53-0617 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	147.61	39.27
23 09 23 53-0618 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	161.23	39.27
23 09 23 53-0619 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	161.23	39.27
23 09 23 53-0620 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	173.55	39.27
23 09 23 53-0621 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	181.14	39.27
23 09 23 53-0622 Power Supplies (23 09 23 53-0576)		
23 09 23 53-0623 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	224.21	39.27
23 09 23 53-0624 EA AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	261.98	39.27
23 09 23 53-0625 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	244.96	39.27
23 09 23 53-0626 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	253.01	39.27
23 09 23 53-0627 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	245.84	39.27
23 09 23 53-0628 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	257.85	39.27
23 09 23 53-0629 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	191.73	39.27
23 09 23 53-0630 Control Damper Actuators (23 09 23 53-0576)		
23 09 23 53-0631 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	581.38	113.61
23 09 23 53-0632 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	628.45	113.61
23 09 23 53-0633 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	705.56	113.61
23 09 23 53-0634 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	742.41	113.61
23 09 23 53-0635 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	764.27	113.61
23 09 23 53-0636 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	850.24	113.61
23 09 43 Pneumatic Control System For HVAC (23 09)		
23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)		
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0003 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	2.60	1.02
23 09 43 00-0004 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.29	1.05
23 09 43 00-0005 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	4.28	1.08
23 09 43 00-0006 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	5.41	1.11
23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0008 LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.33	1.02
23 09 43 00-0009 LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.50	1.05
23 09 43 00-0010 LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.85	1.08
23 09 43 00-0011 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	3.54	1.11
23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0013 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	2.75	0.99
23 09 43 00-0014 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	3.62	1.02
23 09 43 00-0015 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	5.44	1.08
23 09 43 00-0016 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	6.96	1.11
23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0018 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.69	1.02
23 09 43 00-0019 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.31	1.08
23 09 43 00-0020 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.18	1.11
23 09 43 00-0021 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.31	1.14
23 09 43 00-0022 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	7.12	1.17
23 09 43 00-0023 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	9.74	1.20
23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0025 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.63	1.14
23 09 43 00-0026 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.20	1.17
23 09 43 00-0027 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	5.24	1.20



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0028				Copper Pneumatic Tubing (23 09 43 00-0001)		
			LF	1/4" Outside Diameter Copper Pneumatic Tubing	5.77	2.21
			LF	3/8" Outside Diameter Copper Pneumatic Tubing	7.07	2.53
			LF	1/2" Outside Diameter Copper Pneumatic Tubing	8.21	2.92
			LF	5/8" Outside Diameter Copper Pneumatic Tubing	10.19	3.36
			LF	3/4" Outside Diameter Copper Pneumatic Tubing	11.58	3.86
23 09 43 00-0034				Brass Couplings (23 09 43 00-0001) See CSI section 22 11 16 00-0383 for copper tubing.		
23 09 43 00-0035				Straight Brass Couplings (23 09 43 00-0034) Note: Barb x Barb		
			EA	1/4" x 1/4" Straight Brass Coupling	11.95	5.56
			EA	3/8" x 1/4" Straight Brass Coupling	12.09	5.56
			EA	3/8" x 3/8" Straight Brass Coupling	12.22	5.56
23 09 43 00-0039				Elbow Brass Couplings (23 09 43 00-0034) Note: Barb x Barb		
			EA	1/4" x 1/4" Elbow Brass Coupling	12.70	5.56
			EA	3/8" x 3/8" Elbow Brass Coupling	13.15	5.56
23 09 43 00-0042				Tee Brass Couplings (23 09 43 00-0034) Note: Barb x Barb		
			EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	19.39	8.65
			EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	22.24	9.27
			EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	21.76	9.27

23 10 Facility Fuel Systems (23)

23 11 Facility Fuel Piping (23 10)

23 11 23 Facility Natural-Gas Piping (23 11)

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001				Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)		
23 11 23 00-0002				Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001) Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
			LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.51	2.17
			LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.17	2.34
			LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.56	2.54
			LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.76	2.69
			LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.67	2.83
			LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.19	2.94
			LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.93	3.13
23 11 23 00-0010				Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011				Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
			EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.13	
			EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.13	
			EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.36	
			EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.36	
			EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.00	
			EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.77	
			EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.77	
			EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.44	
			EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	168.40	
			EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	272.11	
23 11 23 00-0022				Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
			EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.17	
			EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.36	
			EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.36	
			EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0027 EA 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.00	
23 11 23 00-0028 EA 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.41	
23 11 23 00-0029 EA 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.41	
23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0031 EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.57	
23 11 23 00-0032 EA 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.27	
23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.58	
23 11 23 00-0035 EA 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.09	
23 11 23 00-0036 EA 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.71	
23 11 23 00-0037 EA 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.39	
23 11 23 00-0038 EA 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	153.50	
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	298.73	
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	495.44	
23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.54	
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.01	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.17	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	249.01	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	267.70	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	307.23	
23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.40	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.68	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.06	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.34	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.15	
23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.14	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.27	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.68	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.47	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.47	
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.16	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.80	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.03	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	110.37	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	114.58	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	164.52	
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	204.22	
23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.37	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	77.51	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.96	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	143.40	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	196.66	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	247.75	
 23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)		
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.69	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.84	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.71	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.21	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	191.89	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	304.96	
 23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)		
Note: Includes mounting plate.		
23 11 23 00-0084 EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.26	
23 11 23 00-0085 EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.33	
23 11 23 00-0086 EA 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.30	
23 11 23 00-0087 EA 1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.41	
23 11 23 00-0088 EA 3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.88	
23 11 23 00-0089 EA 1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.57	
23 11 23 00-0090 EA 1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.12	
 23 11 23 00-0091 Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)		
Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092 EA 1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.61	22.77
23 11 23 00-0093 EA 3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	109.03	23.92
 23 11 23 00-0094 Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)		
23 11 23 00-0095 EA 3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.50	19.93
23 11 23 00-0096 EA 1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.88	23.68
23 11 23 00-0097 EA 3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.23	28.47
23 11 23 00-0098 EA 1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	124.25	38.04
 23 11 23 00-0099 Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)		
Note: Includes mounting hardware.		
23 11 23 00-0100 EA 1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	85.31	23.68
23 11 23 00-0101 EA 3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.91	28.47
23 11 23 00-0102 EA 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	91.29	23.68
23 11 23 00-0103 EA 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.79	28.47
23 11 23 00-0104 EA 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	193.08	71.18
 23 11 23 00-0105 Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe ^(23 11 23 00-0010)		
23 11 23 00-0106 EA 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.14	23.68
23 11 23 00-0107 EA 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.14	23.68
23 11 23 00-0108 EA 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	125.92	23.68
23 11 23 00-0109 EA 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.42	28.47
23 11 23 00-0110 EA 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.42	28.47
23 11 23 00-0111 EA 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.39	38.04
23 11 23 00-0112 EA 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	230.17	42.71
23 11 23 00-0113 EA 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	119.59	23.68
23 11 23 00-0114 EA 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	297.43	28.47
23 11 23 00-0115 EA 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	721.89	42.71

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) ^(23 11 23)		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) ^(23 11 23 00-0116)		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	49.48	17.09
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	54.30	18.22
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	58.92	18.22
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	61.85	19.36
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	65.54	19.36
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	73.89	20.50
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	81.46	20.50
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	88.94	21.64
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) ^(23 11 23 00-0116)		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	49.48	17.09
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	54.30	18.22
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	58.92	18.22
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	61.85	19.36
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	65.54	19.36
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	73.89	20.50
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	81.46	20.50
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	88.94	21.64
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) ^(23 11 23 00-0116)		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	49.48	17.09
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	54.30	18.22
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	58.92	18.22
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	61.85	19.36
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	65.54	19.36
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	73.89	20.50
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	81.46	20.50
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	88.94	21.64
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) ^(23 11 23 00-0116)		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	49.48	17.09
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	54.30	18.22
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	70.56	18.22
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	61.85	19.36
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	65.54	19.36
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	73.89	20.50
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	81.46	20.50
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	88.94	21.64



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	53.97	17.09
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	59.88	18.22
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	58.92	18.22
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	68.96	19.36
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	65.54	19.36
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	73.89	20.50
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	81.46	20.50
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	88.94	21.64

23 11 23 00-0162		3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	49.48	17.09
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	65.51	18.22
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	61.85	19.36
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	65.54	19.36
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	73.89	20.50
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	93.32	20.50
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	88.94	21.64

23 11 23 00-0170		3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	49.48	17.09
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	54.30	18.22
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	58.92	18.22
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	61.85	19.36
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	65.54	19.36
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	73.89	20.50
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	81.46	20.50
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	88.94	21.64

23 11 23 00-0179		3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	49.48	17.09
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	54.30	18.22
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	58.92	18.22
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	61.85	19.36
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	65.54	19.36
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	73.89	20.50
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	81.46	20.50
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	88.94	21.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 11 23 00-0188		3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	59.88		18.22
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	58.92		18.22
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	68.96		19.36
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	73.41		19.36
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	83.87		20.50
23 11 23 00-0194		1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	49.48		17.09
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	54.30		18.22
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	54.27		18.22
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	61.85		19.36
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	59.97		19.36
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	75.59		20.50
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	81.46		20.50
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	88.94		21.64
23 11 23 00-0203		1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	49.48		17.09
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	50.51		18.22
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	51.70		18.22
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	61.85		19.36
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	65.54		19.36
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	66.62		20.50
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	81.46		20.50
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	88.94		21.64
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	49.48		17.09
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	54.30		18.22
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	58.92		18.22
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	61.85		19.36
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	56.10		19.36
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	73.89		20.50
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	81.46		20.50
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	88.94		21.64
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	65.46		17.09
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	70.25		18.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0224 EA 24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	74.87	18.22
23 11 23 00-0225 EA 30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	77.77	19.36
23 11 23 00-0226 EA 36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	81.62	19.36
23 11 23 00-0227 EA 48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	89.47	20.50
23 11 23 00-0228 EA 60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	97.68	20.50
23 11 23 00-0229 EA 72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	105.18	21.64
23 11 23 00-0230 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0231 EA 12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	76.86	22.77
23 11 23 00-0232 EA 18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	81.64	23.92
23 11 23 00-0233 EA 24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	86.26	23.92
23 11 23 00-0234 EA 30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	89.15	25.06
23 11 23 00-0235 EA 36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	93.02	25.06
23 11 23 00-0236 EA 48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	100.86	26.19
23 11 23 00-0237 EA 60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	109.07	26.19
23 11 23 00-0238 EA 72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	116.58	27.33
23 11 23 00-0239 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0240 EA 12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	76.86	22.77
23 11 23 00-0241 EA 18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	81.64	23.92
23 11 23 00-0242 EA 24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	86.26	23.92
23 11 23 00-0243 EA 30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	89.15	25.06
23 11 23 00-0244 EA 36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	93.02	25.06
23 11 23 00-0245 EA 48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	100.86	26.19
23 11 23 00-0246 EA 60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	109.07	26.19
23 11 23 00-0247 EA 72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	116.58	27.33
23 11 23 00-0248 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0249 EA 12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	89.85	22.77
23 11 23 00-0250 EA 18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	94.63	23.92
23 11 23 00-0251 EA 24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	99.25	23.92
23 11 23 00-0252 EA 30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	102.14	25.06
23 11 23 00-0253 EA 36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	106.03	25.06
23 11 23 00-0254 EA 48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	113.85	26.19
23 11 23 00-0255 EA 60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	122.07	26.19
23 11 23 00-0256 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0257 EA 12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	89.85	22.77
23 11 23 00-0258 EA 18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	94.63	23.92
23 11 23 00-0259 EA 24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	99.25	23.92
23 11 23 00-0260 EA 36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	106.03	25.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11	23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	113.85	26.19
23 11	23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	122.07	26.19
23 11	23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11	23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	89.85	22.77
23 11	23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	94.63	23.92
23 11	23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	99.25	23.92
23 11	23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	102.14	25.06
23 11	23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	106.03	25.06
23 11	23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	113.85	26.19
23 11	23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	122.07	26.19
23 11	23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	129.57	27.33
23 11	23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11	23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	73.44	22.77
23 11	23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	78.24	23.92
23 11	23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	82.88	23.92
23 11	23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	85.74	25.06
23 11	23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	89.61	25.06
23 11	23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	97.43	26.19
23 11	23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	113.12	27.33
23 11	23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11	23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	87.48	23.92
23 11	23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	93.14	23.92
23 11	23 00-0283		Quarter-Turn, Gas Ball Valve (23 11 23)		
23 11	23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	45.29	12.12
23 11	23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	45.50	12.37
23 11	23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	65.42	13.60
23 11	23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	44.90	12.12
23 11	23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	47.37	12.37
23 11	23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	52.87	12.37
23 11	23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	57.44	12.98
23 11	23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	60.24	12.98
23 11	23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	60.24	12.98
23 11	23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	46.99	12.12
23 11	23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	49.46	12.37
23 11	23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	61.71	12.98
23 11	23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	49.74	12.37
23 11	23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	67.00	13.60
23 11	23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	46.88	12.12
23 11	23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	44.62	12.12
23 11	23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	45.49	12.37
23 11	23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	62.40	13.60
23 11	23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	84.58	15.46
23 11	23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	121.04	16.07
23 11	23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	143.79	18.55
23 11	23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	177.42	22.25
23 11	23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	46.70	12.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 11	23	00-0307	EA 3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	62.03	13.60
23 11 23 00-0308				Gas Stops (23 11 23)		
23 11 23 00-0309				Brass/Bronze Gas Stops (23 11 23 00-0308)		
				Note: Flat or square head		
	23 11	23	00-0310	EA 3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	56.74	12.37
	23 11	23	00-0311	EA 1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	56.74	12.37
	23 11	23	00-0312	EA 3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	74.47	13.60
	23 11	23	00-0313	EA 1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	104.95	15.46
	23 11	23	00-0314	EA 1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	139.70	16.45
	23 11	23	00-0315	EA 1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	176.23	19.04
	23 11	23	00-0316	EA 2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	244.90	22.51
23 11 23 00-0317				Iron Body Gas Stops (23 11 23 00-0308)		
	23 11	23	00-0318	EA 1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	76.82	12.37
	23 11	23	00-0319	EA 3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	94.22	13.60
	23 11	23	00-0320	EA 1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	116.86	15.46
	23 11	23	00-0321	EA 1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	151.27	16.45
	23 11	23	00-0322	EA 1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	190.77	19.04
	23 11	23	00-0323	EA 2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	248.20	22.51
	23 11	23	00-0324	EA 2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	483.20	30.41
	23 11	23	00-0325	EA 3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	649.21	35.30
23 11 23 00-0326				Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)		
	23 11	23	00-0327	EA 1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	198.35	12.37
	23 11	23	00-0328	EA 1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	231.30	12.37
	23 11	23	00-0329	EA 3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	294.49	13.60
	23 11	23	00-0330	EA 1" Solenoid Valve, Bronze, 150 PSI, Gas.....	442.13	15.46
	23 11	23	00-0331	EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	791.18	19.04
	23 11	23	00-0332	EA 2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,347.82	22.51
	23 11	23	00-0333	EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,669.52	30.41
	23 11	23	00-0334	EA 3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,516.94	35.30
23 11 26				Facility Liquefied-Petroleum Gas Piping (23 11)		
23 11 26 00-0001				Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)		
23 11 26 00-0002				Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)		
				Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).		
	23 11	26	00-0003	LF 2" Fiberglass Reinforced Plastic Pipe	22.56	8.20
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-9.19	
	23 11	26	00-0004	LF 3" Fiberglass Reinforced Plastic Pipe	27.02	9.79
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-11.02	
	23 11	26	00-0005	LF 4" Fiberglass Reinforced Plastic Pipe	35.81	14.46
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-16.23	
	23 11	26	00-0006	LF 5" Fiberglass Reinforced Plastic Pipe	42.04	16.63
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-18.28	
	23 11	26	00-0007	LF 6" Fiberglass Reinforced Plastic Pipe	49.06	18.56
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-20.92	
	23 11	26	00-0008	LF 8" Fiberglass Reinforced Plastic Pipe	66.17	21.56
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-24.23	
	23 11	26	00-0009	LF 10" Fiberglass Reinforced Plastic Pipe	87.92	25.64
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-28.88	
	23 11	26	00-0010	LF 12" Fiberglass Reinforced Plastic Pipe	257.70	32.29
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-36.33	
23 11 26 00-0011				Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)		
23 11 26 00-0012				Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)		
	23 11	26	00-0013	EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	173.72	81.66
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-91.85	
	23 11	26	00-0014	EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	205.05	98.06
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-110.21	
	23 11	26	00-0015	EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	245.43	113.89
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-128.03	
	23 11	26	00-0016	EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	296.23	127.54
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-140.69	
	23 11	26	00-0017	EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	357.09	143.09
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-160.90	
	23 11	26	00-0018	EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	512.09	178.81
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-201.13	
	23 11	26	00-0019	EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	658.29	215.39
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-242.22	
	23 11	26	00-0020	EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,893.09	267.10
				For Use As Inner Pipe In Double Wall Pipe System, Deduct	-300.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 11 Facility Fuel Piping



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)			
23 11 26 00-0022	EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	174.11	81.66
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-91.85	
23 11 26 00-0023	EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	205.16	98.06
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-110.21	
23 11 26 00-0024	EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	245.81	114.00
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.13	
23 11 26 00-0025	EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	307.99	135.41
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-149.48	
23 11 26 00-0026	EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	356.95	143.09
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-160.90	
23 11 26 00-0027	EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	512.09	178.81
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-201.13	
23 11 26 00-0028	EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,428.06	215.39
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-242.22	
23 11 26 00-0029	EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,893.09	267.10
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-300.35	
23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)			
23 11 26 00-0031	EA 2" Fiberglass Reinforced Plastic Flanged Tee	413.41	122.54
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.77	
23 11 26 00-0032	EA 3" Fiberglass Reinforced Plastic Flanged Tee	513.52	147.60
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-165.92	
23 11 26 00-0033	EA 4" Fiberglass Reinforced Plastic Flanged Tee	582.87	170.95
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-192.20	
23 11 26 00-0034	EA 5" Fiberglass Reinforced Plastic Flanged Tee	748.91	203.06
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-224.30	
23 11 26 00-0035	EA 6" Fiberglass Reinforced Plastic Flanged Tee	895.92	215.39
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-242.22	
23 11 26 00-0036	EA 8" Fiberglass Reinforced Plastic Flanged Tee	1,129.18	267.10
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-300.35	
23 11 26 00-0037	EA 10" Fiberglass Reinforced Plastic Flanged Tee	1,866.25	323.09
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-363.32	
23 11 26 00-0038	EA 12" Fiberglass Reinforced Plastic Flanged Tee	2,516.82	392.82
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-441.69	
23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)			
23 11 26 00-0040	EA 2" Fiberglass Reinforced Plastic Flanged Wye	568.91	122.54
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.77	
23 11 26 00-0041	EA 3" Fiberglass Reinforced Plastic Flanged Wye	735.81	147.36
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-165.71	
23 11 26 00-0042	EA 4" Fiberglass Reinforced Plastic Flanged Wye	865.55	170.95
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-192.18	
23 11 26 00-0043	EA 5" Fiberglass Reinforced Plastic Flanged Wye	989.61	203.06
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-224.30	
23 11 26 00-0044	EA 6" Fiberglass Reinforced Plastic Flanged Wye	1,094.67	215.39
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-242.22	
23 11 26 00-0045	EA 8" Fiberglass Reinforced Plastic Flanged Wye	1,443.50	267.10
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-300.35	
23 11 26 00-0046	EA 10" Fiberglass Reinforced Plastic Flanged Wye	2,262.70	323.09
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-363.32	
23 11 26 00-0047	EA 12" Fiberglass Reinforced Plastic Flanged Wye	2,948.98	392.82
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-441.69	
23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)			
23 11 26 00-0049	EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	317.12	81.66
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-91.85	
23 11 26 00-0050	EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	415.32	98.06
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-110.21	
23 11 26 00-0051	EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	451.88	114.00
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-128.13	
23 11 26 00-0052	EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	524.08	135.41
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-149.48	
23 11 26 00-0053	EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	582.98	143.09
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-160.90	
23 11 26 00-0054	EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	781.75	178.81
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-201.13	
23 11 26 00-0055	EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,006.62	215.39
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-242.22	
23 11 26 00-0056	EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,390.90	267.10
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-300.35	
23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)			
23 11 26 00-0058	EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	247.62	81.66
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-91.85	
23 11 26 00-0059	EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	282.61	98.06
	<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-110.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	319.30 -128.13	114.00
23 11 26 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	394.21 -149.48	135.41
23 11 26 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	455.90 -160.90	143.09
23 11 26 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	431.60 -201.13	178.81
23 11 26 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	557.80 -242.22	215.39
23 11 26 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	911.11 -300.35	267.10
23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)		
23 11 26 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	49.24 -11.02	9.79
23 11 26 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	98.42 -21.98	19.59
23 11 26 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	173.57 -16.91	15.03
23 11 26 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	198.99 -22.55	20.06
23 11 26 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	187.82 -16.09	14.27
23 11 26 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	224.15 -24.14	21.45
23 11 26 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	279.88 -26.55	24.03
23 11 26 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	335.56 -28.99	25.74
23 11 26 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	169.45 -33.79	30.03
23 11 26 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	230.18 -48.24	42.90
23 11 26 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	294.20 -34.34	30.57
23 11 26 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	441.64 -51.44	45.70
23 11 26 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	345.55 -35.42	31.54
23 11 26 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	449.26 -53.12	47.19
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)		
23 11 26 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	154.20 -91.85	81.66
23 11 26 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	185.60 -110.21	98.06
23 11 26 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	214.35 -128.13	114.00
23 11 26 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	259.46 -149.48	135.41
23 11 26 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	291.32 -160.90	143.09
23 11 26 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	380.79 -201.13	178.81
23 11 26 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	494.45 -242.22	215.39
23 11 26 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	602.68 -300.35	267.10
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)		
23 11 26 00-0091 EA 2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	158.17 -91.85	81.66
23 11 26 00-0092 EA 3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	190.85 -110.21	98.06
23 11 26 00-0093 EA 4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	220.00 -120.47	107.16
23 11 26 00-0094 EA 5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	267.33 -140.79	127.54
23 11 26 00-0095 EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	314.35 -160.90	143.09
23 11 26 00-0096 EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	392.37 -192.53	171.20
23 11 26 00-0097 EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	530.29 -242.22	215.39
23 11 26 00-0098 EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	746.01 -300.35	267.10

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 26 00-0099		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings <small>(23 11 26)</small>		
23 11 26 00-0100		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <small>(23 11 26 00-0099)</small>		
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	152.14	35.19
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	181.43	41.68
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	228.96	61.50
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	323.78	79.72
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	465.11	92.25
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	640.85	109.42
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	819.56	138.05
23 11 26 00-0108		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings <small>(23 11 26 00-0099)</small>		
23 11 26 00-0109		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows <small>(23 11 26 00-0108)</small>		
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,761.75	435.51
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,173.76	522.74
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,984.65	607.47
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	7,008.84	762.99
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	11,464.99	953.93
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	15,516.19	1,147.65
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	20,763.96	1,421.18
23 11 26 00-0117		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows <small>(23 11 26 00-0108)</small>		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,766.33	435.51
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,165.71	522.74
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,978.34	607.47
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	6,971.67	762.99
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	11,411.17	953.93
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	15,443.00	1,148.18
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	20,668.89	1,424.40
23 11 26 00-0125		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees <small>(23 11 26 00-0108)</small>		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,831.80	653.26
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,809.84	787.30
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,422.16	911.66
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	8,836.44	1,148.72
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	11,183.74	1,424.40
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	19,737.80	1,721.10
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	27,066.69	2,086.77
23 11 26 00-0133		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 26 00-0108)</small>		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,762.52	653.26
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,571.77	786.38
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	8,932.42	911.66
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	11,304.27	1,148.72
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	15,086.50	1,424.40
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	24,660.43	1,721.10
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	32,432.64	2,086.77
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 26 00-0108)</small>		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,069.85	435.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0143 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	4,115.98	522.74
23 11 26 00-0144 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	4,400.40	607.47
23 11 26 00-0145 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	5,718.85	762.99
23 11 26 00-0146 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	7,807.17	953.93
23 11 26 00-0147 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	10,209.42	1,147.65
23 11 26 00-0148 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	14,428.52	1,421.18
23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 26 00-0108)</small>		
23 11 26 00-0150 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,206.98	435.51
23 11 26 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,468.11	522.74
23 11 26 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,754.12	607.47
23 11 26 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	4,140.91	762.99
23 11 26 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	3,459.47	953.93
23 11 26 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	4,636.54	1,147.65
23 11 26 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	8,471.11	1,421.18
23 11 26 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 26 00-0108)</small>		
23 11 26 00-0158 EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	507.43	52.28
23 11 26 00-0159 EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,014.45	104.32
23 11 26 00-0160 EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,995.38	80.17
23 11 26 00-0161 EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,257.91	106.95
23 11 26 00-0162 EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,180.21	76.27
23 11 26 00-0163 EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,555.20	114.46
23 11 26 00-0164 EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	3,892.80	137.52
23 11 26 00-0165 EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,784.87	160.25
23 11 26 00-0166 EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	2,402.45	228.80
23 11 26 00-0167 EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	3,328.59	162.83
23 11 26 00-0168 EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	4,997.77	243.93
23 11 26 00-0169 EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	3,955.92	167.98
23 11 26 00-0170 EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	5,076.71	251.97
23 11 26 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 26 00-0108)</small>		
23 11 26 00-0172 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,593.90	571.30
23 11 26 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,383.39	762.99
23 11 26 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,053.61	913.27
23 11 26 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	4,294.91	1,147.65
23 11 26 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	6,421.23	1,421.18
23 12 Facility Fuel Pumps <small>(23 10)</small>		
23 12 13 Facility Fuel-Oil Pumps <small>(23 12)</small>		
23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump <small>(23 12 13)</small>		
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002 10 GPM 1" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0003 EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge.....	1,500.30	330.53
23 12 13 00-0004 EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge.....	1,581.08	400.05
23 12 13 00-0005 EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge.....	1,736.06	475.28
23 12 13 00-0006 25 GPM 1-1/4" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007 EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,634.72	330.53
23 12 13 00-0008 EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	1,724.33	400.05
23 12 13 00-0009 EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	1,813.75	475.28
23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI <small>(23 12 13)</small>		
23 12 13 00-0011 EA 1/4 HP Pump Fuel Oil/Diesel.....	1,135.26	185.20
23 12 13 00-0012 EA 1/3 HP Pump Fuel Oil/Diesel.....	1,331.52	207.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 12 Facility Fuel Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0013	EA		1/2 HP Pump Fuel Oil/Diesel	1,457.61	232.51
23 12 13 00-0014	EA		3/4 HP Pump Fuel Oil/Diesel	1,592.83	262.14
23 12 13 00-0015	EA		1 HP Pump Fuel Oil/Diesel	2,216.43	291.77
23 12 13 00-0016	EA		1-1/2 HP Pump Fuel Oil/Diesel	2,701.37	326.53
23 12 13 00-0017	EA		2 HP Pump Fuel Oil/Diesel	2,994.91	365.86
23 12 13 00-0018	EA		3 HP Pump Fuel Oil/Diesel	3,640.12	409.17
23 12 13 00-0019	EA		5 HP Pump Fuel Oil/Diesel	4,283.51	458.74
23 12 13 00-0020	EA		7.5 HP Pump Fuel Oil/Diesel	4,796.26	514.59
23 12 13 00-0021	EA		10 HP Pump Fuel Oil/Diesel	5,377.38	576.83

23 12 23 Facility Natural-Gas Pumps (23 12)

23 12 23 00-0001	Natural Gas Booster Pump (23 12 23)				
23 12 23 00-0002	EA		Natural Gas Booster Pump, 3/4" Outlet Size	1,229.75	170.96
23 12 23 00-0003	EA		Natural Gas Booster Pump, 1" Outlet Size	1,458.88	190.91
23 12 23 00-0004	EA		Natural Gas Booster Pump, 1-1/4" Outlet Size	1,636.03	199.45
23 12 23 00-0005	EA		Natural Gas Booster Pump, 1-1/2" Outlet Size	1,856.86	208.01
23 12 23 00-0006	EA		Natural Gas Booster Pump, 2" Outlet Size	2,101.15	213.70

23 13 Facility Fuel-Storage Tanks (23 10)

23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 13-0001	Coated Underground Double Wall Storage Tanks (23 13 13 13)				
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.					
23 13 13 13-0002	EA		250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,812.10	769.32
23 13 13 13-0003	EA		550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,167.37	769.32
23 13 13 13-0004	EA		1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	26,261.34	961.60
23 13 13 13-0005	EA		2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	35,932.82	1,878.23
23 13 13 13-0006	EA		3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	57,247.74	2,414.73
23 13 13 13-0007	EA		4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	63,770.99	2,773.40
23 13 13 13-0008	EA		5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	68,801.45	3,667.01
23 13 13 13-0009	EA		6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	71,138.07	3,937.17
23 13 13 13-0010	EA		8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	86,830.99	4,651.27
23 13 13 13-0011	EA		10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	100,563.70	5,364.89
23 13 13 13-0012	EA		12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	128,698.96	5,899.72
23 13 13 13-0013	EA		14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	152,560.02	7,163.21
23 13 13 13-0014	EA		15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	157,572.39	7,602.03
23 13 13 13-0015	EA		20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	193,183.55	12,058.40
23 13 13 13-0016	EA		25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	237,367.18	15,636.78
23 13 13 13-0017	EA		30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	279,703.76	17,891.32
23 13 13 13-0018	EA		40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	359,957.38	19,233.17
23 13 13 13-0019	EA		48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	488,015.07	19,726.38

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 23-0001	Underground Fiberglass Storage Tanks (23 13 13 23)				
23 13 13 23-0002	Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)				
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.					
23 13 13 23-0003	EA		550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,353.76	769.32
23 13 13 23-0004	EA		1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,469.05	961.60
23 13 13 23-0005	EA		2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,110.39	1,189.77
23 13 13 23-0006	EA		2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,072.29	1,449.20
23 13 13 23-0007	EA		3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,029.93	1,699.68
23 13 13 23-0008	EA		4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,980.34	2,236.42
23 13 13 23-0009	EA		5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,068.63	3,399.35
23 13 13 23-0010	EA		6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,768.09	4,293.92
23 13 13 23-0011	EA		8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,724.39	4,830.66
23 13 13 23-0012	EA		10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	19,944.10	5,725.23
23 13 13 23-0013	EA		12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	25,709.70	6,798.70
23 13 13 23-0014	EA		15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	31,605.64	8,498.38
23 13 13 23-0015	EA		20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	39,882.07	11,361.00
23 13 13 23-0016	EA		25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	59,662.96	14,134.14
23 13 13 23-0017	EA		30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	73,134.11	16,996.76
23 13 13 23-0018	EA		40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	104,398.41	24,600.57
23 13 13 23-0019	EA		50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	148,740.14	31,309.82

23 13 13 23-0020	Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)				
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.					
23 13 13 23-0021	EA		550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,416.90	769.32
23 13 13 23-0022	EA		1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,094.83	961.60



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0023	EA			2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	13,302.20	1,162.93
23 13 13 23-0024	EA			3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	17,291.28	1,699.80
23 13 13 23-0025	EA			4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	19,413.80	2,236.42
23 13 13 23-0026	EA			5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,339.71	3,399.35
23 13 13 23-0027	EA			6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	24,865.29	4,293.92
23 13 13 23-0028	EA			8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	30,575.38	4,830.66
23 13 13 23-0029	EA			10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	32,795.10	5,725.23
23 13 13 23-0030	EA			12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	39,708.10	6,798.70
23 13 13 23-0031	EA			15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	54,611.21	8,498.38
23 13 13 23-0032	EA			20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	67,649.39	11,361.00
23 13 13 23-0033	EA			30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	104,573.15	16,996.76
23 13 13 23-0034				Underground Storage Tank Pump Enclosures (23 13 23)		
23 13 13 23-0035	EA			Secondary Containment Collar.....	4,219.37	
23 13 13 23-0036	EA			Turbine Enclosure With Lid 4' Long x 42" Diameter.....	4,219.37	
23 13 13 23-0037	EA			Fitting Kit For Turbine Enclosure.....	843.87	
23 13 13 23-0038	EA			Grommet Kits For Plumbing And Electrical.....	1,687.75	
23 13 13 23-0039	EA			Turbine Electrical Coupling Kit.....	2,109.68	
23 13 23				Facility Aboveground Fuel-Oil, Storage Tanks (23 13)		
23 13 23 13				Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 13-0001				Vertical Rectangular Double Wall Steel Fuel Day Tank (23 13 23 13) Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA			10 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,195.47	148.47
23 13 23 13-0003	EA			15 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,283.27	155.90
23 13 23 13-0004	EA			25 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,392.69	167.03
23 13 23 13-0005	EA			50 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,598.11	178.16
23 13 23 13-0006	EA			60 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,780.20	185.59
23 13 23 13-0007	EA			75 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,099.20	222.70
23 13 23 13-0008	EA			100 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,819.36	259.82
23 13 23 13-0009	EA			150 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,563.52	296.94
23 13 23 13-0010	EA			200 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,564.83	334.06
23 13 23 13-0011	EA			275 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,087.85	371.17
23 13 23 13-0012	EA			300 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,825.30	445.40
23 13 23 13-0013	EA			350 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,528.47	519.63
23 13 23 13-0014	EA			400 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,252.19	593.87
23 13 23 13-0015	EA			450 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,044.35	630.99
23 13 23 13-0016	EA			500 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,841.66	668.10
23 13 23 13-0017	EA			550 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,746.97	705.22
23 13 23 13-0018	EA			600 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,539.13	742.34
23 13 23 13-0019	EA			700 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,746.60	890.81
23 13 23 13-0020	EA			800 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,670.92	965.04
23 13 23 13-0021	EA			900 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,914.38	1,113.51
23 13 23 13-0022	EA			1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,162.99	1,261.97
23 13 23 13-0023	EA			10 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,445.76	148.47
23 13 23 13-0024	EA			15 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,535.27	155.90
23 13 23 13-0025	EA			25 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,644.69	167.03
23 13 23 13-0026	EA			50 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,848.40	178.16
23 13 23 13-0027	EA			60 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,030.49	185.59
23 13 23 13-0028	EA			75 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,351.21	222.70
23 13 23 13-0029	EA			100 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,095.37	259.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,839.53	296.94
23 13 23	13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,840.84	334.06
23 13 23	13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,363.86	371.17
23 13 23	13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,101.30	445.40
23 13 23	13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,804.47	519.63
23 13 23	13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,528.20	593.87
23 13 23	13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,320.36	630.99
23 13 23	13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,117.67	668.10
23 13 23	13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,024.69	705.22
23 13 23	13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,816.85	742.34
23 13 23	13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,022.60	890.81
23 13 23	13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,946.92	965.04
23 13 23	13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,190.38	1,113.51
23 13 23	13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,439.00	1,261.97
23 13 23	13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,393.78	148.47
23 13 23	13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,473.01	155.90
23 13 23	13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,544.71	167.03
23 13 23	13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,816.99	178.16
23 13 23	13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,920.22	185.59
23 13 23	13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,228.94	222.70
23 13 23	13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,885.67	259.82
23 13 23	13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,900.69	296.94
23 13 23	13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,511.13	334.06
23 13 23	13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,196.47	371.17
23 13 23	13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,136.20	445.40
23 13 23	13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,705.66	519.63
23 13 23	13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,477.38	593.87
23 13 23	13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,233.54	630.99
23 13 23	13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,229.71	668.10
23 13 23	13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,646.44	705.22
23 13 23	13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,020.30	742.34
23 13 23	13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,754.07	890.81
23 13 23	13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,427.54	965.04
23 13 23	13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,264.16	1,113.51
23 13 23	13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,129.93	1,261.97
23 13 23	13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRX) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,525.23	148.47
23 13 23	13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRX) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,604.46	155.90
23 13 23	13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRX) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,676.16	167.03
23 13 23	13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRX) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,948.44	178.16
23 13 23	13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRX) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,051.67	185.59
23 13 23	13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRX) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,360.39	222.70
23 13 23	13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRX) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,017.12	259.82



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23	13	23	13-0072	EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,032.14	296.94
23	13	23	13-0073	EA 200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,718.02	334.06
23	13	23	13-0074	EA 275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,933.62	371.17
23	13	23	13-0075	EA 300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,873.36	445.40
23	13	23	13-0076	EA 350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,444.53	519.63
23	13	23	13-0077	EA 400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,214.54	593.87
23	13	23	13-0078	EA 450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,972.41	630.99
23	13	23	13-0079	EA 500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,966.87	668.10
23	13	23	13-0080	EA 550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,383.59	705.22
23	13	23	13-0081	EA 600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,757.46	742.34
23	13	23	13-0082	EA 700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,491.23	890.81
23	13	23	13-0083	EA 800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,166.42	965.04
23	13	23	13-0084	EA 900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,001.32	1,113.51
23	13	23	13-0085	EA 1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,867.08	1,261.97
23	13	23	13-0086	EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,157.81	148.47
23	13	23	13-0087	EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,245.61	155.90
23	13	23	13-0088	EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,319.03	167.03
23	13	23	13-0089	EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,599.88	178.16
23	13	23	13-0090	EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,751.11	185.59
23	13	23	13-0091	EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,032.41	222.70
23	13	23	13-0092	EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,714.85	259.82
23	13	23	13-0093	EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,777.87	296.94
23	13	23	13-0094	EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,410.60	334.06
23	13	23	13-0095	EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,161.08	371.17
23	13	23	13-0096	EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,148.81	445.40
23	13	23	13-0097	EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,665.12	519.63
23	13	23	13-0098	EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,539.71	593.87
23	13	23	13-0099	EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,453.58	630.99
23	13	23	13-0100	EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,372.61	668.10
23	13	23	13-0101	EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,839.05	705.22
23	13	23	13-0102	EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,187.20	742.34
23	13	23	13-0103	EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,998.11	890.81
23	13	23	13-0104	EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,752.16	965.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,669.35	1,113.51
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,612.26	1,261.97
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,289.27	148.47
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,377.07	155.90
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,450.48	167.03
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,731.33	178.16
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,882.56	185.59
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,160.43	222.70
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,846.30	259.82
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,909.32	296.94
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,542.05	334.06
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,898.23	371.17
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,885.97	445.40
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,573.71	519.63
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,276.86	593.87
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,190.74	630.99
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,109.77	668.10
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,576.21	705.22
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,926.08	742.34
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,735.27	890.81
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,489.32	965.04
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,406.51	1,113.51
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,349.42	1,261.97
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,184.29	148.47
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,282.65	155.90
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,391.73	167.03
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,589.06	178.16
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,106.05	185.59
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,167.91	222.70
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,723.09	259.82
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,366.51	296.94
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,415.00	334.06
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,540.43	371.17
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,650.78	445.40
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,152.41	519.63
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,656.29	593.87
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,403.81	630.99
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,153.60	668.10
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,806.10	705.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,465.35	742.34
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,848.77	890.81
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,149.21	965.04
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,609.57	1,113.51
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,020.15	1,261.97
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,248.71	155.90
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,358.04	167.03
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,472.14	178.16
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,673.21	185.59
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,267.73	222.70
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,329.59	259.82
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,912.17	296.94
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,587.91	334.06
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,691.22	371.17
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,875.73	408.29
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	7,040.88	482.52
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,563.51	556.75
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	8,088.51	630.99
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,874.13	668.10
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,662.13	705.22
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,347.44	742.34
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	11,101.75	816.57
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,548.29	965.04
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	14,037.81	1,113.51
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,565.56	1,261.97
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	17,040.75	1,410.44
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,363.06	148.47
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,484.05	155.90
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,606.70	167.03
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,849.29	178.16
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,463.59	185.59
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,525.45	222.70
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,162.09	259.82
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,911.87	296.94
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,145.30	334.06
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,527.06	371.17
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,838.80	445.40
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,410.59	519.63
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,986.88	593.87
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,876.96	630.99
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,769.31	668.10
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,528.15	705.22
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,305.09	742.34
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,926.12	890.81
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,466.42	965.04
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,164.38	1,113.51
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,812.57	1,261.97
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,437.41	155.90
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,570.62	167.03
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,699.06	178.16
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,947.90	185.59
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,645.14	222.70
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,707.00	259.82
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,375.56	296.94
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,163.57	334.06
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,462.09	371.17
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,917.16	408.29
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,294.91	482.52
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,891.59	556.75
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,493.02	630.99
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,429.12	668.10
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,367.61	705.22
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	12,165.16	742.34
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	13,043.70	816.57
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,741.04	965.04
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,483.75	1,113.51
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	18,262.31	1,261.97
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,988.30	1,410.44

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,158.21	806.93
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,201.18	976.79
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,328.61	1,317.01
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,767.97	1,646.26
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	12,905.56	2,198.12
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	19,493.98	2,262.78
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	28,356.88	2,797.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0009	EA		8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	38,961.40	3,205.53
23 13 23 16-0010	EA		10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	46,447.25	3,496.92
23 13 23 16-0011	EA		12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	53,923.68	3,846.63
23 13 23 16-0012	EA		15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	59,693.34	4,274.00
23 13 23 16-0013	EA		20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	74,557.39	5,495.15
23 13 23 16-0014	EA		30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	101,883.29	6,411.06
23 13 23 16-0015			Double Wall Aboveground Storage Tanks <small>(23 13 23 16)</small>		
			Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.		
23 13 23 16-0016	EA		300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,178.74	1,006.86
23 13 23 16-0017	EA		550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,828.02	1,218.43
23 13 23 16-0018	EA		1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,036.98	1,646.26
23 13 23 16-0019	EA		1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	17,099.89	2,057.83
23 13 23 16-0020	EA		2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	21,956.76	2,747.63
23 13 23 16-0021	EA		3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	31,303.80	2,828.38
23 13 23 16-0022	EA		5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	45,810.94	3,484.27
23 13 23 16-0023	EA		8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	63,345.08	4,006.94
23 13 23 16-0024	EA		10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	75,708.13	4,371.21
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	88,020.86	4,808.23
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	97,429.44	5,342.58
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	121,597.09	6,868.95
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	166,814.03	8,013.76
23 13 23 16-0029			Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks <small>(23 13 23 16)</small>		
			Note: Includes solenoid valve. Excludes piping and concrete pad.		
23 13 23 16-0030	EA		550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	15,896.71	1,218.43
23 13 23 16-0031	EA		750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	16,762.03	1,358.16
23 13 23 16-0032	EA		1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	18,835.65	1,646.26
23 13 23 16-0033	EA		1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	22,536.73	2,057.83
23 13 23 16-0034	EA		2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	28,825.32	2,747.63
			Note: Includes 2" solenoid valve.		
23 13 23 19			Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks <small>(23 13 23)</small>		
23 13 23 19-0001			Secondary Containment For Above Ground Tanks <small>(23 13 23 19)</small>		
23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	6,629.75	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	8,009.06	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	17,546.86	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	19,192.95	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	27,300.35	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	30,586.84	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	40,391.40	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	47,390.17	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	53,855.25	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated.....	65,570.81	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated.....	83,961.64	
23 13 23 26			Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks <small>(23 13 23)</small>		
23 13 23 26-0001			Aboveground Concrete Vaulted Storage Tanks <small>(23 13 23 26)</small>		
			Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank.....	36,582.68	1,663.77
			<i>For Low Profile Tanks, Add</i>	<i>13,704.46</i>	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank.....	46,144.39	1,878.23
			<i>For Low Profile Tanks, Add</i>	<i>17,409.44</i>	
23 13 23 26-0004	EA		2,000 Gallon Concrete Vaulted Storage Tank.....	82,225.63	2,236.42
			<i>For Low Profile Tanks, Add</i>	<i>31,642.02</i>	
23 13 23 26-0005	EA		4,000 Gallon Concrete Vaulted Storage Tank.....	129,829.41	4,919.04
23 13 23 26-0006	EA		5,000 Gallon Concrete Vaulted Storage Tank.....	148,419.52	5,372.41
23 13 23 26-0007	EA		6,000 Gallon Concrete Vaulted Storage Tank.....	167,103.77	5,801.80
23 13 23 26-0008	EA		8,000 Gallon Concrete Vaulted Storage Tank.....	185,764.52	6,295.72
23 13 23 26-0009	EA		10,000 Gallon Concrete Vaulted Storage Tank.....	204,417.55	6,701.49
23 13 33			Facility Fuel-Oil, Storage Tank Accessories <small>(23 13)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 33 00-0001			EPA Requirements <small>(23 13 33)</small>		
23 13 33 00-0002	EA		Fill Pipe Spill Containment Manhole (5 Gallon)	2,510.32	
23 13 33 00-0003	EA		Over-Fill Prevention Valve	1,420.20	
23 13 33 00-0004	EA		Tank Manway With Cover, Fiberglass	5,223.03	
23 13 33 00-0005	EA		Tank Manway With Cover, Steel.....	6,506.45	
23 13 33 00-0006	EA		Vent Fill Alarm (Whistle Vent).....	235.99	
23 13 33 00-0007	EA		Reservoir Sensor, Liquid Level.....	764.49	
23 13 33 00-0008	EA		Manhole Spill Containment.....	2,817.28	288.54
23 13 33 00-0009	EA		Fill Adapter, 4"	497.01	192.40
23 13 33 00-0010	EA		Fill Cap, 4"	350.84	72.14
23 13 33 00-0011	EA		2" Vent Cap	201.05	48.13
23 13 33 00-0012	EA		4" x 2" Extractor Fitting	866.37	72.14
23 13 33 00-0013	EA		Float Vent Valve	428.78	144.28
23 13 33 00-0014	EA		Vapor Hose Adapter	774.12	96.14
23 13 33 00-0015	EA		Dust Cap.....	311.48	
23 13 33 00-0016	EA		1" Double Poppet Foot Valve.....	478.27	82.41
23 13 33 00-0017	EA		10' Wood Gage Stick	43.31	
23 13 33 00-0018	EA		1-1/4" Tank Filled Breather, NPT.....	316.05	
23 13 33 00-0019	EA		1-1/2" Tank Filled Breather, Bayonet.....	443.43	
23 13 33 00-0020	EA		2" Cast Iron Combination Fill Cap And Vent.....	95.95	
23 13 33 00-0021	EA		3" Cast Iron Combination Fill Cap And Vent.....	131.21	
23 13 33 00-0022	EA		4" Cast Iron Combination Fill Cap And Vent.....	209.33	
23 13 33 00-0023	EA		Pressure And Vacuum Control Vent.....	2,123.82	
23 13 33 00-0024	EA		1/4 HP Fuel/Diesel Pump Set.....	1,912.19	
23 13 33 00-0025	EA		1/3 HP Fuel/Diesel Pump Set.....	2,263.45	
23 13 33 00-0026	EA		1/2 HP Fuel/Diesel Pump Set.....	2,466.20	
23 13 33 00-0027	EA		3/4 HP Fuel/Diesel Pump Set.....	2,702.72	
23 13 33 00-0028	EA		1 HP Fuel/Diesel Pump Set	3,877.08	
23 13 33 00-0029	EA		1-1/2 HP Fuel/Diesel Pump Set.....	4,791.63	
23 13 33 00-0030	EA		2 HP Fuel/Diesel Pump Set	5,304.36	
23 13 33 00-0031	EA		3 HP Fuel/Diesel Pump Set.....	6,523.91	
23 13 33 00-0032	EA		5 HP Fuel/Diesel Pump Set.....	7,725.98	
23 13 33 00-0033	EA		7.5 HP Fuel/Diesel Pump Set.....	8,648.24	
23 13 33 00-0034	EA		10 HP Fuel/Diesel Pump Set.....	9,990.49	
23 13 33 00-0035			Tank Bulkhead Fittings <small>(23 13 33)</small>		
23 13 33 00-0036			Tank Bulkhead Fittings <small>(23 13 33 00-0035)</small>		
23 13 33 00-0037			Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0038	EA		1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	68.22	
23 13 33 00-0039	EA		3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	76.43	
23 13 33 00-0040	EA		1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	84.08	
23 13 33 00-0041	EA		1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	103.77	
23 13 33 00-0042	EA		1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	106.24	
23 13 33 00-0043	EA		2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	144.60	
23 13 33 00-0044	EA		3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	239.85	
23 13 33 00-0045	EA		4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	436.07	
23 13 33 00-0046			Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0047	EA		1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	81.79	
23 13 33 00-0048	EA		3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	89.94	
23 13 33 00-0049	EA		1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	98.14	
23 13 33 00-0050	EA		1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	125.60	
23 13 33 00-0051	EA		1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	133.81	
23 13 33 00-0052	EA		2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	169.58	
23 13 33 00-0053	EA		3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	273.16	
23 13 33 00-0054	EA		4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	483.38	
23 13 33 00-0055			Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0056	EA		1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	84.88	
23 13 33 00-0057	EA		3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	98.82	
23 13 33 00-0058	EA		1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	112.20	
23 13 33 00-0059	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	147.32	
23 13 33 00-0060	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	197.65	
23 13 33 00-0061	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	318.43	
23 13 33 00-0062	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	511.51	
23 13 33 00-0063			Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0064	EA		1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	102.08	
23 13 33 00-0065	EA		3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	121.70	
23 13 33 00-0066	EA		1" Polypropylene Bulkhead Fitting, Thread x Thread.....	152.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0067	EA		1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	188.03	
23 13 33 00-0068	EA		1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	190.50	
23 13 33 00-0069	EA		2" Polypropylene Bulkhead Fitting, Thread x Thread.....	280.37	
23 13 33 00-0070	EA		3" Polypropylene Bulkhead Fitting, Thread x Thread.....	518.16	
23 13 33 00-0071	EA		4" Polypropylene Bulkhead Fitting, Thread x Thread.....	943.29	
23 13 33 00-0072			Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0073	EA		3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	86.30	
23 13 33 00-0074	EA		1" Polyethylene Bulkhead Fitting, Thread x Thread.....	114.63	
23 13 33 00-0075	EA		1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	117.11	
23 13 33 00-0076	EA		1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	119.58	
23 13 33 00-0077	EA		2" Polyethylene Bulkhead Fitting, Thread x Thread.....	173.72	
23 13 33 00-0078	EA		3" Polyethylene Bulkhead Fitting, Thread x Thread.....	223.37	
23 13 33 00-0079			TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0080	EA		1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	431.69	
23 13 33 00-0081	EA		1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	493.60	
23 13 33 00-0082	EA		3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	609.20	
23 13 33 00-0083	EA		1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	703.92	
23 13 33 00-0084	EA		3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	811.77	
23 13 33 00-0085	EA		1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,025.33	
23 13 33 00-0086	EA		1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,334.24	
23 13 33 00-0087	EA		2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,474.79	
23 13 33 00-0088			Self-Aligning Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0089	EA		3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	437.56	
23 13 33 00-0090	EA		1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	436.56	
23 13 33 00-0091	EA		1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	642.40	
23 13 33 00-0092	EA		2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	654.63	
23 13 33 00-0093	EA		3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	889.64	

23 20 HVAC Piping and Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF		1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	24.10	4.56
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.17	
			<i>For Work In Restricted Working Space, Add</i>	4.71	
23 21 13 23-0004	LF		3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	26.72	4.90
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.00	
			<i>For Work In Restricted Working Space, Add</i>	4.92	
23 21 13 23-0005	LF		1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	30.07	5.36
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.06	
			<i>For Work In Restricted Working Space, Add</i>	5.19	
23 21 13 23-0006	LF		1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	36.70	5.58
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	10.23	
			<i>For Work In Restricted Working Space, Add</i>	5.60	
23 21 13 23-0007	LF		1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	39.54	6.61
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	11.21	
			<i>For Work In Restricted Working Space, Add</i>	5.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0008 LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.77 13.79 6.40	7.97
23 21 13 23-0009 LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.36 21.10 7.94	9.46
23 21 13 23-0010 LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.89 27.18 9.72	12.64
23 21 13 23-0011 LF 4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.44 40.38 10.31	14.27
23 21 13 23-0012 LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.02 64.74 12.28	18.23
23 21 13 23-0013 LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.45 79.14 13.91	21.56
23 21 13 23-0014 Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small> Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015 Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small> Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
23 21 13 23-0016 LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.11 2.09 1.73	2.85
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.51 3.21 2.07	4.56
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.61 4.00 2.21	4.90
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.65 5.16 2.39	5.36
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.40 6.68 2.53	5.58
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.41 7.97 2.97	6.61
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.29 10.34 3.59	7.97
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.31 15.86 4.27	9.46
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.01 20.81 5.70	12.64
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.24 30.40 6.44	14.27
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.74 40.28 8.19	18.23
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.34 52.75 9.69	21.56
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.23 77.35 11.70	26.07
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.69 108.73 14.30	31.75
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	373.20 146.04 18.77	41.73
23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.48 18.73 0.11 7.59	16.85
23 21	13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.34 13.75 0.08 9.11	20.27
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.99 16.42 0.10 10.20	22.66
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.37 27.26 0.17 11.39	25.28
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.13 43.76 0.27 12.89	28.70
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.04 57.10 0.36 14.54	32.34
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.50 97.15 0.62 18.47	41.11
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.86 213.67 1.39 27.33	60.82
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.82 311.85 2.03 35.96	79.95
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	397.80 661.89 4.36 37.54	83.45
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	927.31 1,919.99 12.75 39.17	87.10
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,056.85 2,216.98 14.73 40.96	91.07
23 21	13 23-0044		Black Malleable Iron Reducing 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.30 24.37 0.15 8.35	18.56
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.92 25.31 0.16 9.65	21.41
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.26 34.44 0.22 8.90	19.81
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.49 32.18 0.20 10.79	24.03
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.66 34.45 0.22 10.25	22.77
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.20 65.64 0.42 9.49	21.07
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.49 52.88 0.34 12.14	26.99
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.95 58.61 0.38 11.55	25.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0053 EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	64.07	24.48
<i>For 300 LB Rating, Add</i>	67.96	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21 13 23-0054 EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	75.36	30.52
<i>For 300 LB Rating, Add</i>	73.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	13.71	
23 21 13 23-0055 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	72.85	28.82
<i>For 300 LB Rating, Add</i>	73.75	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	12.96	
23 21 13 23-0056 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	75.16	27.44
<i>For 300 LB Rating, Add</i>	83.93	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.54	
<i>For Work In Restricted Working Space, Add</i>	12.37	
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	97.97	36.67
<i>For 300 LB Rating, Add</i>	106.40	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	16.50	
23 21 13 23-0058 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	101.10	34.85
<i>For 300 LB Rating, Add</i>	120.33	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.78	
<i>For Work In Restricted Working Space, Add</i>	15.68	
23 21 13 23-0059 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	98.59	33.14
<i>For 300 LB Rating, Add</i>	120.18	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.78	
<i>For Work In Restricted Working Space, Add</i>	14.93	
23 21 13 23-0060 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	99.54	31.89
<i>For 300 LB Rating, Add</i>	127.11	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.83	
<i>For Work In Restricted Working Space, Add</i>	14.33	
23 21 13 23-0061 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	194.24	50.90
<i>For 300 LB Rating, Add</i>	287.56	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.89	
<i>For Work In Restricted Working Space, Add</i>	22.90	
23 21 13 23-0062 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	194.64	46.58
<i>For 300 LB Rating, Add</i>	303.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.00	
<i>For Work In Restricted Working Space, Add</i>	20.94	
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	326.15	70.38
<i>For 300 LB Rating, Add</i>	535.91	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.53	
<i>For Work In Restricted Working Space, Add</i>	31.65	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	281.34	60.47
<i>For 300 LB Rating, Add</i>	462.93	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.05	
<i>For Work In Restricted Working Space, Add</i>	27.22	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	496.16	79.37
<i>For 300 LB Rating, Add</i>	912.23	
<i>For Standard Weight Cast Iron Fittings, Add</i>	6.03	
<i>For Work In Restricted Working Space, Add</i>	35.71	
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	36.11	16.85
<i>For 300 LB Rating, Add</i>	27.44	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	7.59	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	38.58	20.27
<i>For 300 LB Rating, Add</i>	21.53	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	44.15	22.66
<i>For 300 LB Rating, Add</i>	26.40	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
<i>For Work In Restricted Working Space, Add</i>	10.20	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow	50.73	25.28
<i>For 300 LB Rating, Add</i>	32.93	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	11.39	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	65.57	28.70
<i>For 300 LB Rating, Add</i>	56.82	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.36	
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	76.42	32.34
<i>For 300 LB Rating, Add</i>	70.01	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow	103.84	41.11
<i>For 300 LB Rating, Add</i>	105.17	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	18.47	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.43 299.03 1.96 27.33	60.82
23 21	13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.76 388.50 2.54 35.96	79.95
23 21	13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	436.70 755.25 4.98 37.54	83.45
23 21	13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,361.26 2,961.47 19.69 39.17	87.10
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,395.65 3,030.10 20.15 40.96	91.07
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)					
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.05 26.88 0.17 9.49	20.84
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.61 18.24 0.11 11.39	25.28
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.33 25.50 0.15 13.14	29.27
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.09 42.30 0.26 15.53	34.50
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.99 67.13 0.42 18.47	41.11
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.35 83.30 0.53 22.04	48.97
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.14 139.94 0.90 27.33	60.82
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.67 297.09 1.93 35.96	79.95
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.28 435.55 2.85 42.71	94.99
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	588.13 1,041.60 6.88 47.42	105.44
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,490.91 3,138.92 20.85 56.32	125.18
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,613.09 3,369.42 22.38 64.36	143.09
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)					
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.26 29.40 0.18 11.39	25.28
23 21	13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.54 38.00 0.24 13.14	29.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0095 EA 1", 150 LB, Black Malleable Iron Reducing Tee.....	70.36	34.50
<i>For 300 LB Rating, Add</i>	47.75	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	15.53	
23 21 13 23-0096 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee	98.12	41.11
<i>For 300 LB Rating, Add</i>	91.44	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-0097 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee	113.99	48.97
<i>For 300 LB Rating, Add</i>	101.63	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.65	
<i>For Work In Restricted Working Space, Add</i>	22.04	
23 21 13 23-0098 EA 2", 150 LB, Black Malleable Iron Reducing Tee.....	149.92	60.82
<i>For 300 LB Rating, Add</i>	146.61	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.94	
<i>For Work In Restricted Working Space, Add</i>	27.33	
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee	303.11	79.95
<i>For 300 LB Rating, Add</i>	446.94	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.93	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee.....	352.23	94.99
<i>For 300 LB Rating, Add</i>	512.23	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.36	
<i>For Work In Restricted Working Space, Add</i>	42.71	
23 21 13 23-0101 EA 4", 150 LB, Black Malleable Iron Reducing Tee.....	667.06	105.44
<i>For 300 LB Rating, Add</i>	1,231.04	
<i>For Standard Weight Cast Iron Fittings, Add</i>	8.14	
<i>For Work In Restricted Working Space, Add</i>	47.42	
23 21 13 23-0102 EA 5", 150 LB, Black Malleable Iron Reducing Tee.....	1,368.27	125.18
<i>For 300 LB Rating, Add</i>	2,844.58	
<i>For Standard Weight Cast Iron Fittings, Add</i>	18.89	
<i>For Work In Restricted Working Space, Add</i>	56.32	
23 21 13 23-0103 EA 6", 150 LB, Black Malleable Iron Reducing Tee.....	1,553.55	143.09
<i>For 300 LB Rating, Add</i>	3,226.52	
<i>For Standard Weight Cast Iron Fittings, Add</i>	21.42	
<i>For Work In Restricted Working Space, Add</i>	64.36	
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)		
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	34.23	16.85
<i>For 300 LB Rating, Add</i>	22.93	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	7.59	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	37.24	20.27
<i>For 300 LB Rating, Add</i>	18.31	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	42.04	22.66
<i>For 300 LB Rating, Add</i>	21.34	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
<i>For Work In Restricted Working Space, Add</i>	10.20	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	50.00	25.28
<i>For 300 LB Rating, Add</i>	31.17	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	11.39	
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	58.57	28.70
<i>For 300 LB Rating, Add</i>	40.02	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	69.53	32.34
<i>For 300 LB Rating, Add</i>	53.48	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	92.80	41.11
<i>For 300 LB Rating, Add</i>	78.67	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	177.30	60.82
<i>For 300 LB Rating, Add</i>	212.32	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.38	
<i>For Work In Restricted Working Space, Add</i>	27.33	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	236.41	79.95
<i>For 300 LB Rating, Add</i>	286.86	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.86	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	359.82	83.45
<i>For 300 LB Rating, Add</i>	570.74	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.75	
<i>For Work In Restricted Working Space, Add</i>	37.54	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	791.40	87.10
<i>For 300 LB Rating, Add</i>	1,593.80	
<i>For Standard Weight Cast Iron Fittings, Add</i>	10.57	
<i>For Work In Restricted Working Space, Add</i>	39.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling.....	889.35		91.07
		<i>For 300 LB Rating, Add</i>	1,814.98		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	12.05		
		<i>For Work In Restricted Working Space, Add</i>	40.96		
23 21 13 23-0117		Black Malleable Iron Reducing Couplings (23 21 13 23-0014)			
23 21 13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	38.90		20.27
		<i>For 300 LB Rating, Add</i>	22.29		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14		
		<i>For Work In Restricted Working Space, Add</i>	9.11		
23 21 13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	43.03		22.66
		<i>For 300 LB Rating, Add</i>	23.71		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14		
		<i>For Work In Restricted Working Space, Add</i>	10.20		
23 21 13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling.....	52.01		25.28
		<i>For 300 LB Rating, Add</i>	36.00		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22		
		<i>For Work In Restricted Working Space, Add</i>	11.39		
23 21 13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	61.05		28.70
		<i>For 300 LB Rating, Add</i>	45.97		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.29		
		<i>For Work In Restricted Working Space, Add</i>	12.89		
23 21 13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	71.30		32.34
		<i>For 300 LB Rating, Add</i>	57.72		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.37		
		<i>For Work In Restricted Working Space, Add</i>	14.54		
23 21 13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling.....	94.66		41.11
		<i>For 300 LB Rating, Add</i>	83.13		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.53		
		<i>For Work In Restricted Working Space, Add</i>	18.47		
23 21 13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	188.93		60.82
		<i>For 300 LB Rating, Add</i>	240.23		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.57		
		<i>For Work In Restricted Working Space, Add</i>	27.33		
23 21 13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling.....	238.79		79.95
		<i>For 300 LB Rating, Add</i>	292.58		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.90		
		<i>For Work In Restricted Working Space, Add</i>	35.96		
23 21 13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling.....	363.49		83.45
		<i>For 300 LB Rating, Add</i>	579.55		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	3.81		
		<i>For Work In Restricted Working Space, Add</i>	37.54		
23 21 13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling.....	666.31		87.10
		<i>For 300 LB Rating, Add</i>	1,293.59		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	8.57		
		<i>For Work In Restricted Working Space, Add</i>	39.17		
23 21 13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling.....	824.61		91.07
		<i>For 300 LB Rating, Add</i>	1,659.61		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	11.01		
		<i>For Work In Restricted Working Space, Add</i>	40.96		
23 21 13 23-0129		Black Malleable Iron Caps (23 21 13 23-0014)			
23 21 13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap.....	18.70		8.99
		<i>For 300 LB Rating, Add</i>	12.89		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08		
		<i>For Work In Restricted Working Space, Add</i>	4.10		
23 21 13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap.....	22.09		10.13
		<i>For 300 LB Rating, Add</i>	17.21		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11		
		<i>For Work In Restricted Working Space, Add</i>	4.59		
23 21 13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap.....	25.32		11.28
		<i>For 300 LB Rating, Add</i>	20.78		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13		
		<i>For Work In Restricted Working Space, Add</i>	5.13		
23 21 13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap.....	30.17		12.75
		<i>For 300 LB Rating, Add</i>	27.15		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17		
		<i>For Work In Restricted Working Space, Add</i>	5.80		
23 21 13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap.....	36.70		14.35
		<i>For 300 LB Rating, Add</i>	37.04		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.24		
		<i>For Work In Restricted Working Space, Add</i>	6.54		
23 21 13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap.....	49.43		18.34
		<i>For 300 LB Rating, Add</i>	53.84		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35		
		<i>For Work In Restricted Working Space, Add</i>	8.31		
23 21 13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap.....	90.89		27.11
		<i>For 300 LB Rating, Add</i>	122.20		
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.80		
		<i>For Work In Restricted Working Space, Add</i>	12.30		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.51 179.80 1.18 16.18	35.65
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.46 306.14 2.02 16.89	37.22
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	359.43 725.13 4.81 17.63	38.83
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	612.59 1,326.47 8.82 18.43	40.55
23 21 13 23-0141 Black Malleable Iron Unions <small>(23 21 13 23-0014)</small>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	49.40 7.59	16.85
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	59.76 11.39	25.28
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	68.86 13.14	29.27
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	84.43 15.53	34.50
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	108.41 18.47	41.11
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	131.89 22.04	48.97
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	159.04 27.33	60.82
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	336.86 40.35	89.63
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	420.59 53.09	117.87
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	57.14 7.59	16.85
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	74.48 11.39	25.28
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	79.73 13.14	29.27
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	95.84 15.53	34.50
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	135.51 18.47	41.11
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	158.63 22.04	48.97
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	200.34 27.33	60.82
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	476.89 40.35	89.63
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	577.68 53.09	117.87
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	894.99 55.42	123.15
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	76.97 7.59	16.85
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	79.75 11.39	25.28
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	90.08 13.14	29.27
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	112.18 15.53	34.50
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	160.10 18.47	41.11
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	176.68 22.04	48.97
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	218.94 27.33	60.82
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	546.64 40.35	89.63
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	710.15 53.09	117.87
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	1,876.98 55.42	123.15
23 21 13 23-0171 Black Steel Nipples <small>(23 21 13 23-0014)</small>		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.78 2.76 4.88	10.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.92 2.33 4.88	10.82
23 21	13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.61 2.67 4.88	10.82
23 21	13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.27 3.88 5.26	11.73
23 21	13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.81 4.91 5.70	12.64
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.22 6.12 5.70	12.64
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.14 8.33 7.35	16.29
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.51 26.07 9.11	20.27
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.70 30.98 11.02	24.48
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.22 46.66 12.87	28.64
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.53 3.13 4.88	10.82
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.92 2.33 4.88	10.82
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.01 2.87 4.88	10.82
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.53 3.13 4.88	10.82
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.92 2.33 4.88	10.82
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.01 2.87 4.88	10.82
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.02 4.25 5.26	11.73
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.13 5.57 5.70	12.64
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.20 6.61 5.70	12.64
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.31 4.02 4.88	10.82
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.78 2.76 4.88	10.82
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.76 3.25 4.88	10.82
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.54 4.51 5.26	11.73
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.82 5.92 5.70	12.64
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.75 7.38 5.70	12.64
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.61 9.56 7.35	16.29
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.31 4.02 4.88	10.82
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.78 2.76 4.88	10.82
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.76 3.25 4.88	10.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0201 EA 1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.54 4.51 5.26	11.73
23 21 13 23-0202 EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.82 5.92 5.70	12.64
23 21 13 23-0203 EA 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.75 7.38 5.70	12.64
23 21 13 23-0204 EA 2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.61 9.56 7.35	16.29
23 21 13 23-0205 EA 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.89 26.76 9.11	20.27
23 21 13 23-0206 EA 3" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.10 33.68 11.02	24.48
23 21 13 23-0207 EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.75 4.74 4.88	10.82
23 21 13 23-0208 EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.87 3.30 4.88	10.82
23 21 13 23-0209 EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.31 4.02 4.88	10.82
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.66 5.57 5.26	11.73
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.00 7.01 5.70	12.64
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.53 8.27 5.70	12.64
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.63 11.57 7.35	16.29
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.31 31.47 9.11	20.27
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.50 39.88 11.02	24.48
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.75 4.74 4.88	10.82
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.87 3.30 4.88	10.82
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.31 4.02 4.88	10.82
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.66 5.57 5.26	11.73
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.00 7.01 5.70	12.64
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.53 8.27 5.70	12.64
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.63 11.57 7.35	16.29
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.31 31.47 9.11	20.27
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.50 39.88 11.02	24.48
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.86 53.98 12.87	28.64
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.94 6.84 4.88	10.82
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.02 3.88 4.88	10.82
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.38 5.06 4.88	10.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.73 6.61 5.26	11.73
23 21	13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.76 8.39 5.70	12.64
23 21	13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.20 10.11 5.70	12.64
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.14 13.33 7.35	16.29
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.51 34.57 9.11	20.27
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.71 43.99 11.02	24.48
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.25 61.68 12.87	28.64
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.94 6.84 4.88	10.82
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.02 3.88 4.88	10.82
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.38 5.06 4.88	10.82
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.73 6.61 5.26	11.73
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.76 8.39 5.70	12.64
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.20 10.11 5.70	12.64
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.14 13.33 7.35	16.29
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.51 34.57 9.11	20.27
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.71 43.99 11.02	24.48
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.25 61.68 12.87	28.64
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.49 7.61 4.88	10.82
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.94 4.34 4.88	10.82
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.75 5.74 4.88	10.82
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.14 7.81 5.26	11.73
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.86 9.94 5.70	12.64
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.19 11.60 5.70	12.64
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.73 15.62 7.35	16.29
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.44 36.04 9.11	20.27
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.35 47.81 11.02	24.48
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.75 65.93 12.87	28.64
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.97 13.35 4.88	10.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0257 EA 1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.89 7.81 4.88	10.82
23 21 13 23-0258 EA 3/4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.39 9.56 4.88	10.82
23 21 13 23-0259 EA 1" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.07 12.78 5.26	11.73
23 21 13 23-0260 EA 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.09 16.05 5.70	12.64
23 21 13 23-0261 EA 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.80 18.41 5.70	12.64
23 21 13 23-0262 EA 2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.86 26.19 7.35	16.29
23 21 13 23-0263 EA 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.08 45.86 9.11	20.27
23 21 13 23-0264 EA 3" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.72 64.49 11.02	24.48
23 21 13 23-0265 EA 4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.08 76.09 12.87	28.64
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.25 14.99 4.88	10.82
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.05 9.39 4.88	10.82
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.49 11.11 4.88	10.82
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.38 14.93 5.26	11.73
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.46 19.24 5.70	12.64
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.06 21.54 5.70	12.64
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.05 30.78 7.35	16.29
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.39 51.51 9.11	20.27
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.62 72.44 11.02	24.48
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.21 86.66 12.87	28.64
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.38 17.06 4.88	10.82
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.55 11.14 4.88	10.82
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.96 12.35 4.88	10.82
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.80 17.14 5.26	11.73
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.63 21.82 5.70	12.64
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.61 24.81 5.70	12.64
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.35 35.43 7.35	16.29
23 21 13 23-0283 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.99 57.31 9.11	20.27
23 21 13 23-0284 EA 3" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.53 80.40 11.02	24.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.07 101.59 12.87	28.64
23 21	13 23-0286		Black Malleable Iron Bushing (23 21 13 23-0014)		
23 21	13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	35.47 8.35	18.56
23 21	13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	40.91 8.97	19.93
23 21	13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.18 9.65	21.41
23 21	13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	47.06 9.57	21.30
23 21	13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	45.50 10.25	22.77
23 21	13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	47.32 10.79	24.03
23 21	13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	51.40 10.32	22.90
23 21	13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	52.92 11.00	24.48
23 21	13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	53.12 11.55	25.62
23 21	13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	55.10 12.14	26.99
23 21	13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.59 11.14	24.83
23 21	13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	57.92 11.83	26.31
23 21	13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.72 12.37	27.44
23 21	13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.45 12.96	28.82
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	64.27 13.71	30.52
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	75.39 13.11	29.16
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	73.90 13.79	30.63
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	71.41 14.33	31.89
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	71.91 14.93	33.14
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	74.42 15.68	34.85
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	79.66 16.50	36.67
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	102.80 18.77	41.68
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	104.79 19.36	43.05
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	107.30 20.12	44.64
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	107.28 20.94	46.58
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	113.52 22.90	50.90
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	132.60 23.08	51.25
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	134.58 23.68	52.61
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	137.09 24.43	54.33
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	138.76 25.25	56.15
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	141.73 27.22	60.47
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	157.26 31.65	70.38
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	185.34 23.57	52.35
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	187.21 24.14	53.63
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	189.57 24.84	55.24
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	192.15 25.62	56.96
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	192.59 27.47	61.04
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	206.50 31.64	70.37
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	220.06 35.71	79.37



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		23 21 13 23-0326 Black Malleable Iron Square Head Plugs <small>(23 21 13 23-0014)</small>		
		23 21 13 23-0327 EA 3/8", 150 LB, Black Malleable Iron Square Head Plug.....	15.95	6.72
		<i>For Work In Restricted Working Space, Add</i>	3.04	
		23 21 13 23-0328 EA 1/2", 150 LB, Black Malleable Iron Square Head Plug.....	18.37	8.08
		<i>For Work In Restricted Working Space, Add</i>	3.65	
		23 21 13 23-0329 EA 3/4", 150 LB, Black Malleable Iron Square Head Plug.....	19.82	9.11
		<i>For Work In Restricted Working Space, Add</i>	4.08	
		23 21 13 23-0330 EA 1", 150 LB, Black Malleable Iron Square Head Plug.....	23.00	10.13
		<i>For Work In Restricted Working Space, Add</i>	4.55	
		23 21 13 23-0331 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug.....	27.04	11.50
		<i>For Work In Restricted Working Space, Add</i>	5.16	
		23 21 13 23-0332 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	33.12	12.87
		<i>For Work In Restricted Working Space, Add</i>	5.81	
		23 21 13 23-0333 EA 2", 150 LB, Black Malleable Iron Square Head Plug.....	44.15	16.40
		<i>For Work In Restricted Working Space, Add</i>	7.39	
		23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	71.98	24.26
		<i>For Work In Restricted Working Space, Add</i>	10.93	
		23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug.....	96.74	32.00
		<i>For Work In Restricted Working Space, Add</i>	14.39	
		23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug.....	152.41	33.36
		<i>For Work In Restricted Working Space, Add</i>	15.02	
		23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug.....	272.07	34.86
		<i>For Work In Restricted Working Space, Add</i>	15.67	
		23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug.....	326.89	36.37
		<i>For Work In Restricted Working Space, Add</i>	16.38	
		23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges <small>(23 21 13 23-0014)</small>		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
		23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange.....	179.76	45.56
		<i>For Work In Restricted Working Space, Add</i>	20.50	
		23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange.....	148.08	51.48
		<i>For Work In Restricted Working Space, Add</i>	23.16	
		23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange.....	164.70	53.30
		<i>For Work In Restricted Working Space, Add</i>	23.97	
		23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange.....	165.28	57.97
		<i>For Work In Restricted Working Space, Add</i>	26.08	
		23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange.....	168.92	60.47
		<i>For Work In Restricted Working Space, Add</i>	27.22	
		23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange.....	196.42	70.04
		<i>For Work In Restricted Working Space, Add</i>	31.49	
		23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange.....	251.03	88.83
		<i>For Work In Restricted Working Space, Add</i>	39.96	
		23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange.....	330.44	114.46
		<i>For Work In Restricted Working Space, Add</i>	51.49	
		23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange.....	428.65	136.33
		<i>For Work In Restricted Working Space, Add</i>	61.30	
		23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange.....	488.47	156.50
		<i>For Work In Restricted Working Space, Add</i>	70.40	
		23 21 13 23-0350 150 LB, Black Malleable Iron Flanges <small>(23 21 13 23-0014)</small>		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
		23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange.....	87.05	41.57
		<i>For Work In Restricted Working Space, Add</i>	18.72	
		23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange.....	94.89	45.56
		<i>For Work In Restricted Working Space, Add</i>	20.50	
		23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange.....	111.71	51.48
		<i>For Work In Restricted Working Space, Add</i>	23.16	
		23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange.....	116.81	53.30
		<i>For Work In Restricted Working Space, Add</i>	23.97	
		23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange.....	127.18	57.97
		<i>For Work In Restricted Working Space, Add</i>	26.08	
		23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange.....	143.22	60.47
		<i>For Work In Restricted Working Space, Add</i>	27.22	
		23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange.....	187.27	70.04
		<i>For Work In Restricted Working Space, Add</i>	31.49	
		23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange.....	237.21	88.83
		<i>For Work In Restricted Working Space, Add</i>	39.95	
		23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange.....	348.31	114.46
		<i>For Work In Restricted Working Space, Add</i>	51.48	
		23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe <small>(23 21 13 23-0014)</small>		
		Note: For use when connecting pipe to an existing in-place system.		
		23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe.....	37.10	
		<i>For Work In Restricted Working Space, Add</i>	11.13	
		23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe.....	40.80	
		<i>For Work In Restricted Working Space, Add</i>	12.24	
		23 21 13 23-0363 EA 1", Cut And Thread Existing In Place Black Steel Pipe.....	44.52	
		<i>For Work In Restricted Working Space, Add</i>	13.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0364 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	48.22	
<i>For Work In Restricted Working Space, Add</i>	14.47	
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	50.70	
<i>For Work In Restricted Working Space, Add</i>	15.21	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe.....	53.17	
<i>For Work In Restricted Working Space, Add</i>	15.95	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	55.64	
<i>For Work In Restricted Working Space, Add</i>	16.69	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe.....	58.12	
<i>For Work In Restricted Working Space, Add</i>	17.44	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe.....	60.59	
<i>For Work In Restricted Working Space, Add</i>	18.18	
23 21 13 23-0370 EA 6", Cut And Thread Existing In Place Black Steel Pipe.....	65.53	
<i>For Work In Restricted Working Space, Add</i>	19.66	
23 21 13 23-0371 EA 8", Cut And Thread Existing In Place Black Steel Pipe.....	70.48	
<i>For Work In Restricted Working Space, Add</i>	21.14	
23 21 13 23-0372 EA 10", Cut And Thread Existing In Place Black Steel Pipe.....	76.67	
<i>For Work In Restricted Working Space, Add</i>	23.00	
23 21 13 23-0373 EA 12", Cut And Thread Existing In Place Black Steel Pipe.....	81.60	
<i>For Work In Restricted Working Space, Add</i>	24.48	
23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)		
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)		
<i>Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
23 21 13 23-0376 LF 3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	31.75	8.66
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	6.33	
23 21 13 23-0377 LF 1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	36.08	9.24
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	7.09	
23 21 13 23-0378 LF 1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	44.89	9.82
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	8.14	
23 21 13 23-0379 LF 1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	49.86	9.82
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	8.51	
23 21 13 23-0380 LF 2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	57.40	9.82
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	9.85	
23 21 13 23-0381 LF 2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	66.44	9.82
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	11.42	
23 21 13 23-0382 LF 3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	83.33	9.59
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	12.05	
23 21 13 23-0383 LF 4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	115.26	11.76
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	14.60	
23 21 13 23-0384 LF 6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	167.02	17.53
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	16.81	
23 21 13 23-0385 LF 8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	252.38	21.79
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	24.94	
23 21 13 23-0386 LF 10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	343.16	27.23
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	29.74	
23 21 13 23-0387 LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	439.20	32.90
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	34.37	
23 21 13 23-0388 LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	452.88	42.92
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	38.34	
23 21 13 23-0389 LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	520.63	54.47
<i>Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>	42.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0390 LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	677.34	67.43
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	47.01	
23 21 13 23-0391 LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	837.38	83.34
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	53.81	
23 21 13 23-0392 LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	1,046.70	94.44
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Work In Restricted Working Space, Add	59.17	
23 21 13 23-0393 Welded Black Steel Pipe And Fittings <small>(23 21 13 23-0374)</small>		
Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping <small>(23 21 13 23-0393)</small>		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe	15.58	4.62
For Schedule 80 Pipe, Add	2.65	
For Work In Restricted Working Space, Add	2.77	
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe	19.98	5.78
For Schedule 80 Pipe, Add	3.42	
For Work In Restricted Working Space, Add	3.47	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	26.23	6.93
For Schedule 80 Pipe, Add	4.55	
For Work In Restricted Working Space, Add	4.16	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	32.60	8.09
For Schedule 80 Pipe, Add	5.71	
For Work In Restricted Working Space, Add	4.85	
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe	38.83	9.59
For Schedule 80 Pipe, Add	6.81	
For Work In Restricted Working Space, Add	5.75	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	44.64	10.86
For Schedule 80 Pipe, Add	11.82	
For Work In Restricted Working Space, Add	6.51	
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe	59.73	11.66
For Schedule 80 Pipe, Add	16.82	
For Work In Restricted Working Space, Add	7.00	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe	87.22	14.44
For Schedule 80 Pipe, Add	25.47	
For Work In Restricted Working Space, Add	8.66	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe	133.58	23.38
For Schedule 80 Pipe, Add	40.49	
For Work In Restricted Working Space, Add	10.74	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe	194.26	23.42
For Schedule 80 Pipe, Add	59.79	
For Schedule 30 Pipe, Deduct	-34.17	
For Work In Restricted Working Space, Add	14.05	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe	265.10	28.21
For Schedule 80 Pipe, Add	82.91	
For Schedule 30 Pipe, Deduct	-47.38	
For Work In Restricted Working Space, Add	16.93	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe	344.14	34.10
For Schedule 80 Pipe, Add	108.52	
For Schedule 30 Pipe, Deduct	-62.01	
For Work In Restricted Working Space, Add	20.46	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe	323.53	35.94
For Schedule 80 Pipe, Add	100.65	
For Schedule 30 Pipe, Deduct	-57.52	
For Schedule 20 Pipe, Deduct	-102.45	
For Work In Restricted Working Space, Add	21.57	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe	358.60	38.67
For Schedule 80 Pipe, Add	111.98	
For Schedule 30 Pipe, Deduct	-63.99	
For Schedule 20 Pipe, Deduct	-113.91	
For Work In Restricted Working Space, Add	23.20	
23 21 13 23-0409 LF 18" Schedule 40, Welded Plain End Black Steel Pipe	473.47	41.83
For Schedule 80 Pipe, Add	151.07	
For Schedule 30 Pipe, Deduct	-86.33	
For Schedule 20 Pipe, Deduct	-153.17	
For Work In Restricted Working Space, Add	25.10	
23 21 13 23-0410 LF 20" Schedule 40, Welded Plain End Black Steel Pipe	557.90	50.11
For Schedule 80 Pipe, Add	177.73	
For Work In Restricted Working Space, Add	30.06	
23 21 13 23-0411 LF 24" Schedule 40, Welded Plain End Black Steel Pipe	706.52	57.62
For Schedule 80 Pipe, Add	227.11	
For Work In Restricted Working Space, Add	34.58	
23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping <small>(23 21 13 23-0393)</small>		
23 21 13 23-0413 LF 1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	11.42	3.24
For Work In Restricted Working Space, Add	1.94	
For Schedule 80 (A-106) Carbon Steel Pipe, Add	2.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	11.59	3.58
		<i>For Work In Restricted Working Space, Add</i>	2.12	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	2.74	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	14.65	4.62
		<i>For Work In Restricted Working Space, Add</i>	2.77	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	3.39	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	17.98	5.78
		<i>For Work In Restricted Working Space, Add</i>	3.47	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	4.11	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	22.67	6.93
		<i>For Work In Restricted Working Space, Add</i>	4.16	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	5.34	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	26.47	8.09
		<i>For Work In Restricted Working Space, Add</i>	4.85	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	6.24	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	31.45	9.59
		<i>For Work In Restricted Working Space, Add</i>	5.75	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	7.42	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	41.35	10.86
		<i>For Work In Restricted Working Space, Add</i>	6.51	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	14.25	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	47.37	11.66
		<i>For Work In Restricted Working Space, Add</i>	7.00	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	16.96	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	58.88	14.44
		<i>For Work In Restricted Working Space, Add</i>	8.66	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	21.13	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	91.68	23.45
		<i>For Work In Restricted Working Space, Add</i>	10.74	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	36.66	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	130.94	23.42
		<i>For Work In Restricted Working Space, Add</i>	14.05	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	54.12	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	176.37	28.21
		<i>For Work In Restricted Working Space, Add</i>	16.93	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	75.63	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	215.04	34.10
		<i>For Work In Restricted Working Space, Add</i>	20.46	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	92.46	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	252.50	35.94
		<i>For Work In Restricted Working Space, Add</i>	21.57	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	111.92	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	291.67	38.67
		<i>For Work In Restricted Working Space, Add</i>	23.20	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	131.63	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	354.06	41.83
		<i>For Work In Restricted Working Space, Add</i>	25.10	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	163.97	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	426.67	50.11
		<i>For Work In Restricted Working Space, Add</i>	30.06	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	197.85	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe.....	538.20	57.62
		<i>For Work In Restricted Working Space, Add</i>	34.58	
		<i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	254.14	
23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)				
23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	125.93	69.06
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	26.91	
		<i>For Work In Restricted Working Space, Add</i>	31.05	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	131.35	72.66
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	27.97	
		<i>For Work In Restricted Working Space, Add</i>	32.67	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	146.61	82.78
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.95	
		<i>For Work In Restricted Working Space, Add</i>	37.25	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	156.40	89.33
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	32.85	
		<i>For Work In Restricted Working Space, Add</i>	40.19	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	196.70	116.23
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	40.71	
		<i>For Work In Restricted Working Space, Add</i>	52.28	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	247.74	145.32
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	51.45	
		<i>For Work In Restricted Working Space, Add</i>	65.35	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	269.80	156.16
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	56.37	
		<i>For Work In Restricted Working Space, Add</i>	70.21	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	463.66	269.81
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	96.62	
		<i>For Work In Restricted Working Space, Add</i>	121.36	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	813.05	445.27
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	173.81	
		<i>For Work In Restricted Working Space, Add</i>	200.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0442 EA 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,154.92 253.54 265.52	590.30
23 21 13 23-0443 EA 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,506.95 345.88 303.45	674.72
23 21 13 23-0444 EA 12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,041.87 473.60 397.04	882.78
23 21 13 23-0445 EA 14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,536.78 596.77 469.32	1,043.45
23 21 13 23-0446 EA 16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,157.75 755.52 548.03	1,218.50
23 21 13 23-0447 EA 18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,750.01 911.12 611.09	1,358.69
23 21 13 23-0448 EA 20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,801.83 1,200.73 685.21	1,523.39
23 21 13 23-0449 EA 24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	5,650.67 1,447.38 708.05	1,574.27
 23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0451 EA 4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	648.52 152.00 121.58	270.28
23 21 13 23-0452 EA 6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,135.84 271.45 198.01	440.18
23 21 13 23-0453 EA 6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,217.42 295.92 198.01	440.18
23 21 13 23-0454 EA 8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,888.79 473.70 265.52	590.30
23 21 13 23-0455 EA 8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,083.31 532.06 265.52	590.30
23 21 13 23-0456 EA 10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,615.87 678.55 303.45	674.72
23 21 13 23-0457 EA 10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,615.87 678.55 303.45	674.72
23 21 13 23-0458 EA 12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,327.41 1,156.61 404.60	899.55
23 21 13 23-0459 EA 12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,327.41 1,156.61 404.60	899.55
23 21 13 23-0460 EA 12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,856.52 1,315.35 404.60	899.55
 23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0462 EA 3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	115.99 24.49 29.45	65.49
23 21 13 23-0463 EA 1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	119.45 25.16 30.49	67.80
23 21 13 23-0464 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	134.48 28.09 35.00	77.85
23 21 13 23-0465 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	143.71 29.89 37.77	83.97
23 21 13 23-0466 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	180.67 37.10 48.86	108.57
23 21 13 23-0467 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	225.17 46.08 61.33	136.41
23 21 13 23-0468 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	260.11 53.46 70.20	156.05
23 21 13 23-0469 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	447.59 91.81 121.33	269.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	773.04 161.89 200.06	444.80
23 21	13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,082.09 231.69 265.52	590.30
23 21	13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,373.26 305.77 303.45	674.72
23 21	13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,845.55 414.96 396.30	881.14
23 21	13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,276.48 518.46 469.95	1,044.87
23 21	13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,796.69 647.40 547.46	1,217.20
23 21	13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,285.40 771.98 610.39	1,357.06
23 21	13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,122.40 996.90 685.21	1,523.39
23 21	13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,762.72 1,181.00 708.05	1,574.27
23 21 13 23-0479 Welded Plain End Black Steel Tee (23 21 13 23-0393)					
23 21	13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	238.60 52.17 55.44	123.24
23 21	13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	238.54 52.16 55.43	123.24
23 21	13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	270.36 59.53 61.66	137.10
23 21	13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	295.84 64.50 69.30	154.08
23 21	13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	365.75 77.34 92.52	205.71
23 21	13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	417.77 88.95 103.96	231.12
23 21	13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	499.31 105.65 126.13	280.67
23 21	13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	717.63 151.46 182.37	405.54
23 21	13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,204.08 255.76 301.31	669.92
23 21	13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,718.43 373.92 404.60	899.55
23 21	13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,193.42 492.81 472.03	1,049.44
23 21	13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,965.94 677.37 606.90	1,349.32
23 21	13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,876.20 915.04 708.05	1,574.27
23 21	13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,665.00 1,102.12 849.66	1,889.08
23 21	13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	6,140.71 1,511.79 944.07	2,098.98
23 21	13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	8,162.32 2,076.97 1,062.08	2,361.40
23 21	13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	9,450.26 2,434.76 1,143.78	2,543.05
23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0498 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	232.82 51.05 53.71	119.43
23 21 13 23-0499 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	238.54 52.16 55.43	123.24
23 21 13 23-0500 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	266.92 58.50 61.66	137.10
23 21 13 23-0501 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	292.40 63.47 69.30	154.08
23 21 13 23-0502 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	373.49 79.65 92.55	205.71
23 21 13 23-0503 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	417.90 88.97 104.00	231.24
23 21 13 23-0504 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	499.67 105.75 126.13	280.67
23 21 13 23-0505 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	718.14 151.61 182.37	405.54
23 21 13 23-0506 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,204.95 256.03 301.31	669.92
23 21 13 23-0507 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,720.10 374.42 404.60	899.55
23 21 13 23-0508 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,196.25 493.66 472.03	1,049.44
23 21 13 23-0509 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,970.22 678.65 606.90	1,349.32
23 21 13 23-0510 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,883.09 917.11 708.05	1,574.27
23 21 13 23-0511 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,673.34 1,104.62 849.66	1,889.08
23 21 13 23-0512 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	6,154.35 1,515.88 944.07	2,098.98
23 21 13 23-0513 EA 20" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	8,294.80 2,116.71 1,062.08	2,361.40
23 21 13 23-0514 EA 24" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	10,042.06 2,612.30 1,143.78	2,543.05
23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)		
23 21 13 23-0516 EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	158.45 35.71 33.78	75.11
23 21 13 23-0517 EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	169.40 37.85 37.07	82.42
23 21 13 23-0518 EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	166.53 37.29 36.21	80.50
23 21 13 23-0519 EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	182.69 40.44 41.06	91.28
23 21 13 23-0520 EA 1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	174.61 38.86 38.63	85.89
23 21 13 23-0521 EA 1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	171.73 38.30 37.77	83.97
23 21 13 23-0522 EA 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	191.18 40.20 49.02	108.99
23 21 13 23-0523 EA 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	203.20 44.35 47.47	105.53
23 21 13 23-0524 EA 2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	195.11 42.77 45.04	100.14
23 21 13 23-0525 EA 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	240.09 50.20 62.36	138.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.26 47.70 55.95	124.40
23 21	13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.62 55.85 54.39	120.93
23 21	13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.61 56.08 70.00	155.58
23 21	13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.10 56.83 70.00	155.58
23 21	13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.38 58.41 70.00	155.58
23 21	13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	451.38 92.86 121.58	270.28
23 21	13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	453.87 93.61 121.58	270.28
23 21	13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	461.37 95.86 121.58	270.28
23 21	13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	754.99 157.19 198.01	440.18
23 21	13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	808.86 173.36 198.01	440.18
23 21	13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,125.45 232.18 301.31	669.92
23 21	13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,225.69 262.25 301.31	669.92
23 21	13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,313.59 272.80 346.51	770.41
23 21	13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,434.10 308.95 346.51	770.41
23 21	13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,592.65 356.52 -140.04 346.51	770.41
23 21	13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,593.51 336.71 403.83	897.81
23 21	13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,734.30 378.95 403.83	897.81
23 21	13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,972.27 450.34 -200.37 403.83	897.81
23 21	13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,589.52 335.52 -77.89 403.83	897.81
23 21	13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,007.73 437.11 472.03	1,049.44
23 21	13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,081.87 459.35 472.03	1,049.44
23 21	13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,821.02 681.09 472.03	1,049.44
23 21	13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,434.32 544.43 531.04	1,180.70
23 21	13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,652.58 609.91 531.04	1,180.70
23 21	13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,737.55 635.40 -309.58 531.04	1,180.70
23 21	13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,694.71 922.55 531.04	1,180.70
23 21	13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,171.00 1,065.44 531.04	1,180.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0553 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,219.51 753.44 606.90	1,349.32
23 21 13 23-0554 EA 18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	2,237.55 458.85 -68.66 606.90	1,349.32
23 21 13 23-0555 EA 18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	3,334.20 787.85 -419.58 606.90	1,349.32
23 21 13 23-0556 EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,503.30 838.58 606.90	1,349.32
23 21 13 23-0557 EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,932.91 1,267.46 606.90	1,349.32
23 21 13 23-0558 EA 20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	3,786.82 896.22 -480.89 685.21	1,523.39
23 21 13 23-0559 EA 20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	3,782.94 895.06 -479.65 685.21	1,523.39
23 21 13 23-0560 EA 20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	5,674.21 1,462.44 -1,084.86 685.21	1,523.39
23 21 13 23-0561 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	6,432.81 1,690.02 685.21	1,523.39
23 21 13 23-0562 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	7,570.75 2,031.40 685.21	1,523.39
23 21 13 23-0563 EA 24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	4,330.57 1,051.35 -630.53 708.05	1,574.27
23 21 13 23-0564 EA 24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	4,559.84 1,120.14 -703.90 708.05	1,574.27
23 21 13 23-0565 EA 24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add</i>	5,625.09 1,439.71 -1,044.78 708.05	1,574.27
23 21 13 23-0566 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	7,607.45 2,034.42 708.05	1,574.27
23 21 13 23-0567 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	9,093.84 2,480.33 708.05	1,574.27
23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0363)		
23 21 13 23-0569 EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	146.45 32.11 33.78	75.11
23 21 13 23-0570 EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	157.40 34.25 37.07	82.42
23 21 13 23-0571 EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	154.53 33.69 36.21	80.50
23 21 13 23-0572 EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	170.69 36.84 41.06	91.28
23 21 13 23-0573 EA 1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	162.61 35.26 38.63	85.89
23 21 13 23-0574 EA 1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	159.73 34.70 37.77	83.97
23 21 13 23-0575 EA 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	185.07 38.36 49.02	108.99
23 21 13 23-0576 EA 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	179.88 37.35 47.47	105.53
23 21 13 23-0577 EA 2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	180.12 38.27 45.04	100.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	235.65 48.87 62.36	138.65
23 21	13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	221.77 46.95 55.95	124.40
23 21	13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	228.51 49.52 54.39	120.93
23 21	13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	255.83 52.25 70.00	155.58
23 21	13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	257.50 52.75 70.00	155.58
23 21	13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	261.11 53.83 70.00	155.58
23 21	13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	434.16 87.69 121.58	270.28
23 21	13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	440.55 89.61 121.58	270.28
23 21	13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	440.55 89.61 121.58	270.28
23 21	13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	720.57 146.87 198.01	440.18
23 21	13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	733.33 150.70 198.01	440.18
23 21	13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,083.80 219.68 301.31	669.92
23 21	13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,106.57 226.51 301.31	669.92
23 21	13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,309.14 271.46 346.51	770.41
23 21	13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,299.70 268.63 346.51	770.41
23 21	13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,418.55 304.29 346.51	770.41
23 21	13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,536.59 319.64 403.83	897.81
23 21	13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,565.13 328.20 403.83	897.81
23 21	13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,575.46 331.30 403.83	897.81
23 21	13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,878.41 422.18 403.83	897.81
23 21	13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,860.00 392.79 472.03	1,049.44
23 21	13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,965.80 424.53 472.03	1,049.44
23 21	13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,057.71 452.10 472.03	1,049.44
23 21	13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,412.93 558.67 472.03	1,049.44
23 21	13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,271.60 495.62 531.04	1,180.70
23 21	13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,271.60 495.62 531.04	1,180.70
23 21	13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,324.37 511.45 531.04	1,180.70
23 21	13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,499.58 564.01 531.04	1,180.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0606 EA 16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,225.22 781.70 531.04	1,180.70
23 21 13 23-0607 EA 18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,570.86 558.84 606.90	1,349.32
23 21 13 23-0608 EA 18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,706.09 599.41 606.90	1,349.32
23 21 13 23-0609 EA 18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,762.74 616.41 606.90	1,349.32
23 21 13 23-0610 EA 18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,916.84 662.64 606.90	1,349.32
23 21 13 23-0611 EA 18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,687.82 1,193.93 606.90	1,349.32
23 21 13 23-0612 EA 20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,224.24 727.45 685.21	1,523.39
23 21 13 23-0613 EA 20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,224.24 727.45 685.21	1,523.39
23 21 13 23-0614 EA 20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,262.84 739.03 685.21	1,523.39
23 21 13 23-0615 EA 20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,491.37 807.59 685.21	1,523.39
23 21 13 23-0616 EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,888.99 926.87 685.21	1,523.39
23 21 13 23-0617 EA 24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,423.68 779.29 708.05	1,574.27
23 21 13 23-0618 EA 24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,447.83 786.53 708.05	1,574.27
23 21 13 23-0619 EA 24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,495.04 800.69 708.05	1,574.27
23 21 13 23-0620 EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,587.98 1,128.58 708.05	1,574.27
23 21 13 23-0621 EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,803.74 1,193.30 708.05	1,574.27
23 21 13 23-0622 Welded Plain End Black Steel Caps (23 21 13 23-0393)		
23 21 13 23-0623 EA 1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	69.15 13.53 17.33	38.58
23 21 13 23-0624 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	75.63 14.75 19.06	42.39
23 21 13 23-0625 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	78.66 15.37 19.75	43.89
23 21 13 23-0626 EA 2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	97.81 18.80 25.30	56.25
23 21 13 23-0627 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	115.75 22.02 30.49	67.80
23 21 13 23-0628 EA 3" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	135.78 26.08 35.18	78.20
23 21 13 23-0629 EA 4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	227.29 42.86 60.79	135.14
23 21 13 23-0630 EA 6" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	381.60 72.63 100.44	223.27
23 21 13 23-0631 EA 8" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	539.48 103.19 140.77	313.01
23 21 13 23-0632 EA 10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	715.59 140.64 177.70	395.14
23 21 13 23-0633 EA 12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	812.77 161.50 197.60	439.31

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0634	EA		14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,076.43 224.59 236.02	524.72
23 21 13 23-0635	EA		16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,250.13 260.84 274.08	609.35
23 21 13 23-0636	EA		18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,398.54 293.12 303.45	674.72
23 21 13 23-0637			150 LB, Welded Plain End Black Steel Neck Flanges <small>(23 21 13 23-0393)</small> Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0638	EA		2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.17 40.73 39.17	87.09
23 21 13 23-0639	EA		2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.53 44.13 48.88	108.69
23 21 13 23-0640	EA		3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.94 46.61 55.89	124.28
23 21 13 23-0641	EA		4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.99 60.27 73.73	163.90
23 21 13 23-0642	EA		6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	448.35 92.15 111.78	248.56
23 21 13 23-0643	EA		8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	501.37 123.23 114.82	255.34
23 21 13 23-0644	EA		10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	653.37 171.74 144.01	320.15
23 21 13 23-0645	EA		12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	797.41 234.11 163.40	363.28
23 21 13 23-0646	EA		14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,042.35 337.75 197.60	439.31
23 21 13 23-0647	EA		16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,364.94 500.01 229.64	510.56
23 21 13 23-0648	EA		18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,690.48 672.68 257.47	572.43
23 21 13 23-0649	EA		20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,143.38 852.23 326.79	726.57
23 21 13 23-0650	EA		24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,431.77 1,000.09 354.03	787.13
23 21 13 23-0651			150 LB, Welded Black Steel Slip-On Flanges <small>(23 21 13 23-0393)</small> Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0652	EA		2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.52 34.83 31.19	87.09
23 21 13 23-0653	EA		2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.18 44.05 38.12	108.69
23 21 13 23-0654	EA		3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.31 51.91 45.05	124.28
23 21 13 23-0655	EA		4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.15 69.93 58.91	163.90
23 21 13 23-0656	EA		6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	373.08 106.21 86.63	248.56
23 21 13 23-0657	EA		8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	476.86 152.05 104.57	255.34
23 21 13 23-0658	EA		10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	657.17 245.06 130.72	320.15
23 21 13 23-0659	EA		12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	872.27 369.36 156.86	363.28
23 21 13 23-0660	EA		14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,120.49 523.48 183.00	439.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0661 EA 16", 150 LB, Welded Black Steel Slip-On Flange	1,362.70	510.56
For 300 LB Rating, Add	689.50	
For Work In Restricted Working Space, Add	202.61	
23 21 13 23-0662 EA 18", 150 LB, Welded Black Steel Slip-On Flange	1,511.38	572.43
For 300 LB Rating, Add	771.36	
For Work In Restricted Working Space, Add	222.22	
23 21 13 23-0663 EA 20", 150 LB, Welded Black Steel Slip-On Flange	1,682.05	726.57
For 300 LB Rating, Add	873.00	
For Work In Restricted Working Space, Add	241.83	
23 21 13 23-0664 EA 24", 150 LB, Welded Black Steel Slip-On Flange	1,921.03	787.13
For 300 LB Rating, Add	984.16	
For Work In Restricted Working Space, Add	281.04	
23 21 13 23-0665 150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)		
23 21 13 23-0666 EA 2", 150 LB, Forged Steel Blind Flange	83.64	30.93
For 300 LB Rating, Add	23.92	
For 600 LB Rating, Add	61.55	
For Work In Restricted Working Space, Add	18.56	
23 21 13 23-0667 EA 2-1/2", 150 LB, Forged Steel Blind Flange	109.55	37.12
For 300 LB Rating, Add	36.05	
For 600 LB Rating, Add	95.90	
For Work In Restricted Working Space, Add	22.27	
23 21 13 23-0668 EA 3", 150 LB, Forged Steel Blind Flange	135.52	49.49
For 300 LB Rating, Add	39.62	
For 600 LB Rating, Add	102.54	
For Work In Restricted Working Space, Add	29.69	
23 21 13 23-0669 EA 4", 150 LB, Forged Steel Blind Flange	174.09	61.86
For 300 LB Rating, Add	53.28	
For 600 LB Rating, Add	139.42	
For Work In Restricted Working Space, Add	37.12	
23 21 13 23-0670 EA 6", 150 LB, Forged Steel Blind Flange	237.16	80.42
For 300 LB Rating, Add	77.94	
For 600 LB Rating, Add	207.29	
For Work In Restricted Working Space, Add	48.25	
23 21 13 23-0671 EA 8", 150 LB, Forged Steel Blind Flange	306.65	92.79
For 300 LB Rating, Add	116.33	
For 600 LB Rating, Add	318.38	
For Work In Restricted Working Space, Add	55.68	
23 21 13 23-0672 EA 10", 150 LB, Forged Steel Blind Flange	459.10	111.35
For 300 LB Rating, Add	212.50	
For 600 LB Rating, Add	600.77	
For Work In Restricted Working Space, Add	66.81	
23 21 13 23-0673 EA 12", 150 LB, Forged Steel Blind Flange	594.42	129.91
For 300 LB Rating, Add	294.96	
For 600 LB Rating, Add	842.01	
For Work In Restricted Working Space, Add	77.95	
23 21 13 23-0674 EA 14", 150 LB, Forged Steel Blind Flange	985.85	148.47
For 300 LB Rating, Add	582.31	
For Work In Restricted Working Space, Add	89.08	
23 21 13 23-0675 EA 16", 150 LB, Forged Steel Blind Flange	1,060.22	167.03
For 300 LB Rating, Add	616.00	
For Work In Restricted Working Space, Add	100.22	
23 21 13 23-0676 EA 18", 150 LB, Forged Steel Blind Flange	1,196.99	204.15
For 300 LB Rating, Add	673.83	
For Work In Restricted Working Space, Add	122.49	
23 21 13 23-0677 EA 20", 150 LB, Forged Steel Blind Flange	1,525.28	222.70
For 300 LB Rating, Add	910.66	
For Work In Restricted Working Space, Add	133.62	
23 21 13 23-0678 EA 24", 150 LB, Forged Steel Blind Flange	2,065.65	259.82
For 300 LB Rating, Add	1,291.38	
For Work In Restricted Working Space, Add	155.89	
23 21 13 23-0679 3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)		
23 21 13 23-0680 EA 1/2", 3,000 LB, Forge Steel Thread-O-Let	79.68	
For Work In Restricted Working Space, Add	21.83	
23 21 13 23-0681 EA 3/4", 3,000 LB, Forge Steel Thread-O-Let	84.34	
For Work In Restricted Working Space, Add	22.87	
23 21 13 23-0682 EA 1", 3,000 LB, Forge Steel Thread-O-Let	89.95	
For Work In Restricted Working Space, Add	24.26	
23 21 13 23-0683 EA 1-1/4", 3,000 LB, Forge Steel Thread-O-Let	99.53	
For Work In Restricted Working Space, Add	25.99	
23 21 13 23-0684 EA 1-1/2", 3,000 LB, Forge Steel Thread-O-Let	111.73	
For Work In Restricted Working Space, Add	29.45	
23 21 13 23-0685 EA 2", 3,000 LB, Forge Steel Thread-O-Let	144.47	
For Work In Restricted Working Space, Add	38.50	
23 21 13 23-0686 EA 2-1/2", 3,000 LB, Forge Steel Thread-O-Let	223.55	
For Work In Restricted Working Space, Add	49.50	
23 21 13 23-0687 EA 3", 3,000 LB, Forge Steel Thread-O-Let	308.45	
For Work In Restricted Working Space, Add	69.30	
23 21 13 23-0688 EA 4", 3,000 LB, Forge Steel Thread-O-Let	409.80	
For Work In Restricted Working Space, Add	86.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0689			3,000 LB, Forge Steel Weld-O-Lets (23 21 13 23-0393)		
23 21 13 23-0690	EA		1/2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	101.24 25.19	
23 21 13 23-0691	EA		3/4", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	108.29 26.40	
23 21 13 23-0692	EA		1", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	115.14 27.72	
23 21 13 23-0693	EA		1-1/4", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	134.93 30.80	
23 21 13 23-0694	EA		1-1/2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	149.37 34.65	
23 21 13 23-0695	EA		2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	199.65 46.19	
23 21 13 23-0696	EA		2-1/2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	331.13 55.44	
23 21 13 23-0697	EA		3", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	436.12 72.77	
23 21 13 23-0698	EA		4", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	610.57 92.41	
23 21 13 23-0699	EA		6", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	863.29 138.60	
23 21 13 23-0700	EA		8", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	1,375.27 184.79	
23 21 13 23-0701	EA		10", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	1,790.34 213.24	
23 21 13 23-0702	EA		12", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	2,890.54 252.02	
23 21 13 23-0703			3,000 LB, Forge Steel Sock-O-Lets (23 21 13 23-0393)		
23 21 13 23-0704	EA		1/2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	116.84 30.11	
23 21 13 23-0705	EA		3/4", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	124.56 31.57	
23 21 13 23-0706	EA		1", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	133.25 33.47	
23 21 13 23-0707	EA		1-1/4", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	150.29 35.86	
23 21 13 23-0708	EA		1-1/2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	167.77 40.65	
23 21 13 23-0709	EA		2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	217.37 53.12	
23 21 13 23-0710	EA		2-1/2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	367.15 68.30	
23 21 13 23-0711	EA		3", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	503.35 95.64	
23 21 13 23-0712	EA		4", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	686.93 119.55	
23 21 13 23-0713			Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0714	EA		3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.02	
			<i>For Zinc Plated, Add</i>	4.49	
			<i>For Hot Dip Galvanized, Add</i>	6.41	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	11.21	
23 21 13 23-0715	EA		2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.33	
			<i>For Zinc Plated, Add</i>	5.69	
			<i>For Hot Dip Galvanized, Add</i>	8.13	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	14.23	
23 21 13 23-0716	EA		2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.56	
			<i>For Zinc Plated, Add</i>	5.76	
			<i>For Hot Dip Galvanized, Add</i>	8.22	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	14.39	
23 21 13 23-0717	EA		3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.66	
			<i>For Zinc Plated, Add</i>	5.78	
			<i>For Hot Dip Galvanized, Add</i>	8.26	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	14.46	
23 21 13 23-0718	EA		4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	47.10	
			<i>For Zinc Plated, Add</i>	13.19	
			<i>For Hot Dip Galvanized, Add</i>	18.84	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	32.97	
23 21 13 23-0719	EA		5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	65.90	
			<i>For Zinc Plated, Add</i>	18.45	
			<i>For Hot Dip Galvanized, Add</i>	26.36	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	46.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0720 EA 6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	72.76	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	20.37	
For Hot Dip Galvanized, Add	29.10	
For Advanced Fluoropolymer (Blue Coating), Add	50.93	
23 21 13 23-0721 EA 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	80.12	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	22.43	
For Hot Dip Galvanized, Add	32.05	
For Advanced Fluoropolymer (Blue Coating), Add	56.08	
23 21 13 23-0722 EA 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	175.76	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	49.21	
For Hot Dip Galvanized, Add	70.30	
For Advanced Fluoropolymer (Blue Coating), Add	123.03	
23 21 13 23-0723 EA 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	180.05	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	50.41	
For Hot Dip Galvanized, Add	72.02	
For Advanced Fluoropolymer (Blue Coating), Add	126.04	
23 21 13 23-0724 EA 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	202.04	
Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
For Zinc Plated, Add	56.57	
For Hot Dip Galvanized, Add	80.82	
For Advanced Fluoropolymer (Blue Coating), Add	141.43	
23 21 13 23-0725 EA 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	333.63	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
For Zinc Plated, Add	93.42	
For Hot Dip Galvanized, Add	133.45	
For Advanced Fluoropolymer (Blue Coating), Add	233.54	
23 21 13 23-0726 EA 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	479.23	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	134.18	
For Hot Dip Galvanized, Add	191.69	
For Advanced Fluoropolymer (Blue Coating), Add	335.46	
23 21 13 23-0727 EA 20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	605.66	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	169.58	
For Hot Dip Galvanized, Add	242.26	
For Advanced Fluoropolymer (Blue Coating), Add	423.96	
23 21 13 23-0728 EA 24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	861.48	
Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	241.21	
For Hot Dip Galvanized, Add	344.59	
For Advanced Fluoropolymer (Blue Coating), Add	603.04	
23 21 13 23-0729 EA 30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,359.33	
Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	380.61	
For Hot Dip Galvanized, Add	543.73	
For Advanced Fluoropolymer (Blue Coating), Add	951.53	
23 21 13 23-0730 EA 36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,912.06	
Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
For Zinc Plated, Add	535.38	
For Hot Dip Galvanized, Add	764.82	
For Advanced Fluoropolymer (Blue Coating), Add	1,338.44	
23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0732 EA 3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	25.72	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	7.20	
For Hot Dip Galvanized, Add	10.29	
For Advanced Fluoropolymer (Blue Coating), Add	18.00	
23 21 13 23-0733 EA 2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	47.13	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	13.20	
For Hot Dip Galvanized, Add	18.85	
For Advanced Fluoropolymer (Blue Coating), Add	32.99	
23 21 13 23-0734 EA 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	73.32	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	20.53	
For Hot Dip Galvanized, Add	29.33	
For Advanced Fluoropolymer (Blue Coating), Add	51.32	
23 21 13 23-0735 EA 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	79.66	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	22.30	
For Hot Dip Galvanized, Add	31.86	
For Advanced Fluoropolymer (Blue Coating), Add	55.76	
23 21 13 23-0736 EA 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	84.23	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	23.58	
For Hot Dip Galvanized, Add	33.69	
For Advanced Fluoropolymer (Blue Coating), Add	58.96	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	93.05	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	26.05	
			For Hot Dip Galvanized, Add	37.22	
			For Advanced Fluoropolymer (Blue Coating), Add	65.14	
23 21	13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	131.40	
			Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	36.79	
			For Hot Dip Galvanized, Add	52.56	
			For Advanced Fluoropolymer (Blue Coating), Add	91.98	
23 21	13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	203.07	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	56.86	
			For Hot Dip Galvanized, Add	81.23	
			For Advanced Fluoropolymer (Blue Coating), Add	142.15	
23 21	13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	366.90	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	102.73	
			For Hot Dip Galvanized, Add	146.76	
			For Advanced Fluoropolymer (Blue Coating), Add	256.83	
23 21	13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	526.84	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	147.52	
			For Hot Dip Galvanized, Add	210.74	
			For Advanced Fluoropolymer (Blue Coating), Add	368.79	
23 21	13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	719.35	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	201.42	
			For Hot Dip Galvanized, Add	287.74	
			For Advanced Fluoropolymer (Blue Coating), Add	503.55	
23 21	13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	989.94	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	277.18	
			For Hot Dip Galvanized, Add	395.98	
			For Advanced Fluoropolymer (Blue Coating), Add	692.96	
23 21	13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,273.18	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	356.49	
			For Hot Dip Galvanized, Add	509.27	
			For Advanced Fluoropolymer (Blue Coating), Add	891.23	
23 21	13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,352.93	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	378.82	
			For Hot Dip Galvanized, Add	541.17	
			For Advanced Fluoropolymer (Blue Coating), Add	947.05	
23 21	13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,718.88	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	481.29	
			For Hot Dip Galvanized, Add	687.55	
			For Advanced Fluoropolymer (Blue Coating), Add	1,203.22	
23 21	13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,707.62	
			Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	758.13	
			For Hot Dip Galvanized, Add	1,083.05	
			For Advanced Fluoropolymer (Blue Coating), Add	1,895.33	
23 21	13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	4,002.82	
			Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	1,120.79	
			For Hot Dip Galvanized, Add	1,601.13	
			For Advanced Fluoropolymer (Blue Coating), Add	2,801.97	
23 21	13 23-0749		Class 150 Flange, Stainless Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	16.02	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
23 21	13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	57.99	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	58.10	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	58.20	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	123.96	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	156.12	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	177.62	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	179.12	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	459.97	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21	13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	462.79	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0760 EA 14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	698.96	
Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
23 21 13 23-0761 EA 16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	930.73	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
23 21 13 23-0762 EA 18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	2,410.01	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
23 21 13 23-0763 EA 20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	2,793.09	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
23 21 13 23-0764 EA 24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	3,225.46	
Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
23 21 13 23-0765 150 LB, Rubber Flange Gasket Replacement ^(23 21 13 23-0393)		
Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0766 EA 1/2", 150 LB, Rubber Flange Gasket Replacement.....	34.80	
For 300 LB Rating Gasket Set, Add	0.21	
For 150 LB Rating Teflon Gasket Set, Add	4.72	
For 300 LB Rating Teflon Gasket Set, Add	5.43	
For Work In Restricted Working Space, Add	10.26	
23 21 13 23-0767 EA 3/4", 150 LB, Rubber Flange Gasket Replacement.....	37.28	
For 300 LB Rating Gasket Set, Add	0.28	
For 150 LB Rating Teflon Gasket Set, Add	6.26	
For 300 LB Rating Teflon Gasket Set, Add	7.21	
For Work In Restricted Working Space, Add	10.94	
23 21 13 23-0768 EA 1", 150 LB, Rubber Flange Gasket Replacement.....	41.31	
For 300 LB Rating Gasket Set, Add	0.50	
For 150 LB Rating Teflon Gasket Set, Add	10.98	
For 300 LB Rating Teflon Gasket Set, Add	12.64	
For Work In Restricted Working Space, Add	11.97	
23 21 13 23-0769 EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement.....	44.93	
For 300 LB Rating Gasket Set, Add	0.57	
For 150 LB Rating Teflon Gasket Set, Add	12.52	
For 300 LB Rating Teflon Gasket Set, Add	14.42	
For Work In Restricted Working Space, Add	12.99	
23 21 13 23-0770 EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement.....	49.90	
For 300 LB Rating Gasket Set, Add	0.71	
For 150 LB Rating Teflon Gasket Set, Add	15.69	
For 300 LB Rating Teflon Gasket Set, Add	18.07	
For Work In Restricted Working Space, Add	14.36	
23 21 13 23-0771 EA 2", 150 LB, Rubber Flange Gasket Replacement.....	55.27	
For 300 LB Rating Gasket Set, Add	0.99	
For 150 LB Rating Teflon Gasket Set, Add	21.95	
For 300 LB Rating Teflon Gasket Set, Add	25.28	
For Work In Restricted Working Space, Add	15.73	
23 21 13 23-0772 EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement.....	65.40	
For 300 LB Rating Gasket Set, Add	1.35	
For 150 LB Rating Teflon Gasket Set, Add	29.76	
For 300 LB Rating Teflon Gasket Set, Add	34.27	
For Work In Restricted Working Space, Add	18.47	
23 21 13 23-0773 EA 3", 150 LB, Rubber Flange Gasket Replacement.....	69.43	
For 300 LB Rating Gasket Set, Add	1.56	
For 150 LB Rating Teflon Gasket Set, Add	34.48	
For 300 LB Rating Teflon Gasket Set, Add	39.69	
For Work In Restricted Working Space, Add	19.49	
23 21 13 23-0774 EA 4", 150 LB, Rubber Flange Gasket Replacement.....	92.78	
For 300 LB Rating Gasket Set, Add	2.56	
For 150 LB Rating Teflon Gasket Set, Add	56.43	
For 300 LB Rating Teflon Gasket Set, Add	64.97	
For Work In Restricted Working Space, Add	25.64	
23 21 13 23-0775 EA 5", 150 LB, Rubber Flange Gasket Replacement.....	107.27	
For 300 LB Rating Gasket Set, Add	2.84	
For 150 LB Rating Teflon Gasket Set, Add	62.69	
For 300 LB Rating Teflon Gasket Set, Add	72.18	
For Work In Restricted Working Space, Add	29.75	
23 21 13 23-0776 EA 6", 150 LB, Rubber Flange Gasket Replacement.....	123.38	
For 300 LB Rating Gasket Set, Add	3.69	
For 150 LB Rating Teflon Gasket Set, Add	81.47	
For 300 LB Rating Teflon Gasket Set, Add	93.81	
For Work In Restricted Working Space, Add	33.85	
23 21 13 23-0777 EA 8", 150 LB, Rubber Flange Gasket Replacement.....	152.17	
For 300 LB Rating Gasket Set, Add	5.39	
For 150 LB Rating Teflon Gasket Set, Add	119.04	
For 300 LB Rating Teflon Gasket Set, Add	137.06	
For Work In Restricted Working Space, Add	41.03	
23 21 13 23-0778 EA 10", 150 LB, Rubber Flange Gasket Replacement.....	167.78	
For 300 LB Rating Gasket Set, Add	7.66	
For 150 LB Rating Teflon Gasket Set, Add	169.21	
For 300 LB Rating Teflon Gasket Set, Add	194.82	
For Work In Restricted Working Space, Add	43.77	
23 21 13 23-0779 EA 12", 150 LB, Rubber Flange Gasket Replacement.....	193.22	
For 300 LB Rating Gasket Set, Add	9.79	
For 150 LB Rating Teflon Gasket Set, Add	216.13	
For 300 LB Rating Teflon Gasket Set, Add	248.84	
For Work In Restricted Working Space, Add	49.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0780	EA	14", 150 LB, Rubber Flange Gasket Replacement	204.41	
			<i>For 300 LB Rating Gasket Set, Add</i>	11.70	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	258.49	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	297.62	
			<i>For Work In Restricted Working Space, Add</i>	51.29	
23 21	13 23-0781	EA	16", 150 LB, Rubber Flange Gasket Replacement	265.24	
			<i>For 300 LB Rating Gasket Set, Add</i>	13.05	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	288.25	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	331.88	
			<i>For Work In Restricted Working Space, Add</i>	68.39	
23 21	13 23-0782	EA	18", 150 LB, Rubber Flange Gasket Replacement	288.51	
			<i>For 300 LB Rating Gasket Set, Add</i>	13.62	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	300.77	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	346.30	
			<i>For Work In Restricted Working Space, Add</i>	74.88	
23 21	13 23-0783	EA	20", 150 LB, Rubber Flange Gasket Replacement	346.03	
			<i>For 300 LB Rating Gasket Set, Add</i>	14.61	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	322.65	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	371.49	
			<i>For Work In Restricted Working Space, Add</i>	91.29	
23 21	13 23-0784		Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393)		
			Note: For use when connecting pipe to an existing in-place system.		
23 21	13 23-0785	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.73	
			<i>For Work In Restricted Working Space, Add</i>	7.42	
23 21	13 23-0786	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.71	
			<i>For Work In Restricted Working Space, Add</i>	8.01	
23 21	13 23-0787	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.05	
			<i>For Work In Restricted Working Space, Add</i>	9.02	
23 21	13 23-0788	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.53	
			<i>For Work In Restricted Working Space, Add</i>	9.46	
23 21	13 23-0789	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.38	
			<i>For Work In Restricted Working Space, Add</i>	10.01	
23 21	13 23-0790	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.85	
			<i>For Work In Restricted Working Space, Add</i>	10.76	
23 21	13 23-0791	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.34	
			<i>For Work In Restricted Working Space, Add</i>	11.50	
23 21	13 23-0792	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	42.04	
			<i>For Work In Restricted Working Space, Add</i>	12.61	
23 21	13 23-0793	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.75	
			<i>For Work In Restricted Working Space, Add</i>	13.73	
23 21	13 23-0794	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	49.46	
			<i>For Work In Restricted Working Space, Add</i>	14.84	
23 21	13 23-0795	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	53.17	
			<i>For Work In Restricted Working Space, Add</i>	15.95	
23 21	13 23-0796	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	58.12	
			<i>For Work In Restricted Working Space, Add</i>	17.44	
23 21	13 23-0797	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	63.07	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
23 21	13 23-0798	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	68.00	
			<i>For Work In Restricted Working Space, Add</i>	20.40	
23 21	13 23-0799	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	72.95	
			<i>For Work In Restricted Working Space, Add</i>	21.89	
23 21	13 23-0800	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	76.67	
			<i>For Work In Restricted Working Space, Add</i>	23.00	
23 21	13 23-0801	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	80.37	
			<i>For Work In Restricted Working Space, Add</i>	24.11	
23 21	13 23-0802	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	85.32	
			<i>For Work In Restricted Working Space, Add</i>	25.60	
23 21	13 23-0803		Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393)		
			Note: ASTM A-135.		
23 21	13 23-0804	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	34.15	12.71
			<i>For Work In Restricted Working Space, Add</i>	6.24	
23 21	13 23-0805	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	41.30	13.86
			<i>For Work In Restricted Working Space, Add</i>	6.24	
23 21	13 23-0806	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	45.67	13.63
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21	13 23-0807	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	56.50	17.33
			<i>For Work In Restricted Working Space, Add</i>	7.79	
23 21	13 23-0808	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	97.59	25.64
			<i>For Work In Restricted Working Space, Add</i>	11.53	
23 21	13 23-0809	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	128.15	29.73
			<i>For Work In Restricted Working Space, Add</i>	13.40	
23 21	13 23-0810	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	179.59	37.04
			<i>For Work In Restricted Working Space, Add</i>	16.67	
23 21	13 23-0811	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	218.66	44.66
			<i>For Work In Restricted Working Space, Add</i>	20.09	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0812 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	277.27 26.07	57.95
23 21 13 23-0813 Flanged Steel Fittings <small>(23 21 13 23)</small> See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.		
23 21 13 23-0814 Flanged Steel Fittings, Standard Weight <small>(23 21 13 23-0813)</small> Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0815 Flanged Steel, 90 Degree Elbows <small>(23 21 13 23-0814)</small>		
23 21 13 23-0816 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	357.80 222.46 333.70	53.19
23 21 13 23-0817 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	399.05 248.18 372.26	59.22
23 21 13 23-0818 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	399.79 241.47 362.21	65.37
23 21 13 23-0819 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	503.77 311.90 467.86	75.96
23 21 13 23-0820 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	693.50 452.76 679.14	85.07
23 21 13 23-0821 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	737.76 471.77 707.65	98.74
23 21 13 23-0822 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	927.95 611.16 916.74	109.33
23 21 13 23-0823 Flanged Steel, Reducing 90 Degree Elbows <small>(23 21 13 23-0814)</small>		
23 21 13 23-0824 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	646.04 449.41 674.11	56.26
23 21 13 23-0825 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	674.71 465.06 697.58	62.30
23 21 13 23-0826 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	836.75 584.67 877.01	70.61
23 21 13 23-0827 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,029.45 733.36 1,100.04	75.16
23 21 13 23-0828 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,173.44 833.98 1,250.96	87.35
23 21 13 23-0829 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,627.49 1,177.18 1,765.76	104.09
23 21 13 23-0830 Flanged Steel, 45 Degree Elbows <small>(23 21 13 23-0814)</small>		
23 21 13 23-0831 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	458.42 302.96 454.44	53.19
23 21 13 23-0832 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	480.10 313.02 469.52	59.22
23 21 13 23-0833 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	500.40 321.96 482.94	65.37
23 21 13 23-0834 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	621.15 405.81 608.71	75.96
23 21 13 23-0835 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	883.55 604.80 907.20	85.07
23 21 13 23-0836 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	869.11 576.85 865.27	98.74
23 21 13 23-0837 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,021.50 686.00 1,029.00	109.33
23 21 13 23-0838 Flanged Steel, Tees <small>(23 21 13 23-0814)</small>		
23 21 13 23-0839 EA 2" Standard Weight, Flanged Steel, Tee <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	464.74 276.13 414.19	79.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0840 EA 2-1/2" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	592.99 367.80 551.70	88.83
23 21 13 23-0841 EA 3" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	549.37 321.97 482.95	97.95
23 21 13 23-0842 EA 4" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	771.70 480.70 721.04	114.00
23 21 13 23-0843 EA 5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,125.32 747.19 1,120.79	127.66
23 21 13 23-0844 EA 6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,369.53 917.97 1,376.95	148.16
23 21 13 23-0845 EA 8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,520.25 1,010.29 1,515.43	171.62
23 21 13 23-0846 Flanged Steel, Reducing Tees (23 21 13 23-0814)		
23 21 13 23-0847 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	714.21 468.42 702.62	85.87
23 21 13 23-0848 EA 3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	822.90 544.43 816.65	94.99
23 21 13 23-0849 EA 4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,388.29 980.35 1,470.53	108.65
23 21 13 23-0850 EA 5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,503.49 1,055.19 1,582.79	123.12
23 21 13 23-0851 EA 6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,883.17 1,337.07 2,005.61	141.33
23 21 13 23-0852 EA 8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,342.52 1,683.60 2,525.40	158.76
23 21 13 23-0853 Flanged Steel, Concentric Reducers (23 21 13 23-0814)		
23 21 13 23-0854 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	666.33 458.35 687.53	62.30
23 21 13 23-0855 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	757.10 520.95 781.43	70.61
23 21 13 23-0856 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,111.48 792.61 1,188.91	80.52
23 21 13 23-0857 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,225.14 875.34 1,313.00	87.35
23 21 13 23-0858 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,436.05 1,024.02 1,536.04	104.09
23 21 13 23-0859 Flanged Steel, Eccentric Reducers (23 21 13 23-0814)		
23 21 13 23-0860 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	721.89 492.78 739.18	70.61
23 21 13 23-0861 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	973.70 682.38 1,023.58	80.52
23 21 13 23-0862 Plain End Couplings And Fittings (23 21 13 23) Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0863 Plain End Piping System Couplings (23 21 13 23-0862)		
23 21 13 23-0864 Plainlock Plain End Piping System Couplings (23 21 13 23-0863) Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0865 EA 1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	184.60 34.87	6.83
23 21 13 23-0866 EA 1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	188.58 34.87	9.46
23 21 13 23-0867 EA 2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	193.19 34.87	12.53
23 21 13 23-0868 EA 2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	197.12 34.87	15.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0869 EA 3" Plainlock Plain End Piping System Coupling.....	233.09	18.22
For Galvanized Fittings, Add	41.15	
23 21 13 23-0870 EA 4" Plainlock Plain End Piping System Coupling.....	321.52	24.26
For Galvanized Fittings, Add	57.02	
23 21 13 23-0871 EA 6" Plainlock Plain End Piping System Coupling.....	540.61	39.52
For Galvanized Fittings, Add	96.28	
23 21 13 23-0872 Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0863)		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0873 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	222.45	9.46
For Galvanized Fittings, Add	52.05	
23 21 13 23-0874 EA 2" Roust-A-Bout Plain End Piping System Coupling.....	227.06	12.53
For Galvanized Fittings, Add	52.05	
23 21 13 23-0875 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	231.00	15.26
For Galvanized Fittings, Add	52.05	
23 21 13 23-0876 EA 3" Roust-A-Bout Plain End Piping System Coupling.....	335.74	18.22
For Galvanized Fittings, Add	77.11	
23 21 13 23-0877 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	388.84	21.30
For Galvanized Fittings, Add	89.23	
23 21 13 23-0878 EA 4" Roust-A-Bout Plain End Piping System Coupling.....	393.34	24.26
For Galvanized Fittings, Add	89.23	
23 21 13 23-0879 EA 5" Roust-A-Bout Plain End Piping System Coupling.....	555.50	30.41
For Galvanized Fittings, Add	127.48	
23 21 13 23-0880 EA 6" Roust-A-Bout Plain End Piping System Coupling.....	682.03	39.52
For Galvanized Fittings, Add	155.70	
23 21 13 23-0881 EA 8" Roust-A-Bout Plain End Piping System Coupling.....	1,175.00	47.14
For Galvanized Fittings, Add	276.08	
23 21 13 23-0882 EA 10" Roust-A-Bout Plain End Piping System Coupling.....	1,520.44	55.80
For Galvanized Fittings, Add	359.18	
23 21 13 23-0883 EA 12" Roust-A-Bout Plain End Piping System Coupling.....	1,901.87	66.06
For Galvanized Fittings, Add	450.70	
23 21 13 23-0884 EA 14" Roust-A-Bout Plain End Piping System Coupling.....	2,669.45	73.00
For Galvanized Fittings, Add	639.99	
23 21 13 23-0885 EA 16" Roust-A-Bout Plain End Piping System Coupling.....	3,629.43	82.57
For Galvanized Fittings, Add	876.41	
23 21 13 23-0886 Plain End Piping System Fittings (23 21 13 23-0862)		
Note: Cast ductile iron bodies.		
23 21 13 23-0887 Plain End Piping System, 90 Degree Elbows (23 21 13 23-0886)		
23 21 13 23-0888 EA 1" Plain End Piping System, 90 Degree Elbow.....	183.19	12.42
For Galvanized Fittings, Add	32.92	
23 21 13 23-0889 EA 1-1/2" Plain End Piping System, 90 Degree Elbow.....	192.77	18.79
For Galvanized Fittings, Add	32.92	
23 21 13 23-0890 EA 2" Plain End Piping System, 90 Degree Elbow.....	201.80	24.83
For Galvanized Fittings, Add	32.92	
23 21 13 23-0891 EA 2-1/2" Plain End Piping System, 90 Degree Elbow.....	209.92	30.29
For Galvanized Fittings, Add	32.92	
23 21 13 23-0892 EA 3" Plain End Piping System, 90 Degree Elbow.....	252.64	36.67
For Galvanized Fittings, Add	39.54	
23 21 13 23-0893 EA 4" Plain End Piping System, 90 Degree Elbow.....	360.73	48.29
For Galvanized Fittings, Add	57.66	
23 21 13 23-0894 EA 5" Plain End Piping System, 90 Degree Elbow.....	1,088.53	60.47
For Galvanized Fittings, Add	199.57	
23 21 13 23-0895 EA 6" Plain End Piping System, 90 Degree Elbow.....	912.10	79.15
For Galvanized Fittings, Add	158.69	
23 21 13 23-0896 EA 8" Plain End Piping System, 90 Degree Elbow.....	1,816.82	93.96
For Galvanized Fittings, Add	335.17	
23 21 13 23-0897 EA 10" Plain End Piping System, 90 Degree Elbow.....	2,270.88	109.79
For Galvanized Fittings, Add	421.26	
23 21 13 23-0898 EA 12" Plain End Piping System, 90 Degree Elbow.....	2,879.54	131.89
For Galvanized Fittings, Add	536.36	
23 21 13 23-0899 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0886)		
23 21 13 23-0900 EA 1" Plain End Piping System, 45 Degree Elbow.....	183.19	12.42
For Galvanized Fittings, Add	32.92	
23 21 13 23-0901 EA 1-1/2" Plain End Piping System, 45 Degree Elbow.....	192.77	18.79
For Galvanized Fittings, Add	32.92	
23 21 13 23-0902 EA 2" Plain End Piping System, 45 Degree Elbow.....	201.80	24.83
For Galvanized Fittings, Add	32.92	
23 21 13 23-0903 EA 2-1/2" Plain End Piping System, 45 Degree Elbow.....	209.92	30.29
For Galvanized Fittings, Add	32.92	
23 21 13 23-0904 EA 3" Plain End Piping System, 45 Degree Elbow.....	252.64	36.67
For Galvanized Fittings, Add	39.54	
23 21 13 23-0905 EA 4" Plain End Piping System, 45 Degree Elbow.....	360.73	48.29
For Galvanized Fittings, Add	57.66	
23 21 13 23-0906 EA 5" Plain End Piping System, 45 Degree Elbow.....	1,088.53	60.47
For Galvanized Fittings, Add	199.57	
23 21 13 23-0907 EA 6" Plain End Piping System, 45 Degree Elbow.....	915.15	79.15
For Galvanized Fittings, Add	159.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0908	EA	8" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,061.79 184.17	93.96
23 21	13 23-0909	EA	10" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,449.65 257.02	109.79
23 21	13 23-0910	EA	12" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,857.88 332.03	131.89
23 21 13 23-0911 Plain End Piping System, Tees (23 21 13 23-0886)					
23 21	13 23-0912	EA	1" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	249.82 44.33	18.79
23 21	13 23-0913	EA	1-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	263.93 44.33	28.24
23 21	13 23-0914	EA	2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	276.38 44.33	36.56
23 21	13 23-0915	EA	2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	288.78 44.33	44.76
23 21	13 23-0916	EA	3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	401.47 63.79	55.01
23 21	13 23-0917	EA	4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	550.20 88.71	71.18
23 21	13 23-0918	EA	5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,113.93 194.87	93.05
23 21	13 23-0919	EA	6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,377.24 240.51	116.51
23 21	13 23-0920	EA	8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,878.73 333.25	141.68
23 21	13 23-0921	EA	10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,792.11 508.91	165.14
23 21	13 23-0922	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	3,738.77 688.44	197.82
23 21 13 23-0923 Plain End Piping System, Reducing Tees (23 21 13 23-0886)					
23 21	13 23-0924	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	483.46 87.61	30.29
23 21	13 23-0925	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	492.82 87.61	36.56
23 21	13 23-0926	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	505.22 87.61	44.76
23 21	13 23-0927	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	520.60 87.61	55.01
23 21	13 23-0928	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	753.38 129.35	71.18
23 21	13 23-0929	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,272.91 219.65	116.51
23 21	13 23-0930	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,658.78 289.26	141.68
23 21	13 23-0931	EA	10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,477.28 445.94	165.14
23 21	13 23-0932	EA	12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	3,648.68 670.42	197.82
23 21 13 23-0933 Plain End Piping System, Wyes (23 21 13 23-0886)					
23 21	13 23-0934	EA	2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	703.93 129.84	36.56
23 21	13 23-0935	EA	2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	716.33 129.84	44.76
23 21	13 23-0936	EA	3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	812.24 145.94	55.01
23 21	13 23-0937	EA	4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,189.77 216.63	71.18
23 21	13 23-0938	EA	5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,457.59 263.61	93.05
23 21	13 23-0939	EA	6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,989.66 363.00	116.51
23 21	13 23-0940	EA	8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,562.99 470.10	141.68
23 21	13 23-0941	EA	10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,713.71 693.23	165.14
23 21	13 23-0942	EA	12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	5,639.93 1,068.67	197.82
23 21 13 23-0943 Plain End Piping System, Laterals (23 21 13 23-0886)					
23 21	13 23-0944	EA	2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	749.84 139.02	36.56
23 21	13 23-0945	EA	2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	762.24 139.02	44.76
23 21	13 23-0946	EA	3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	857.85 155.06	55.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0947 EA 4" Plain End Piping System, Lateral	1,276.87	71.18
For Galvanized Fittings, Add	234.05	
23 21 13 23-0948 EA 5" Plain End Piping System, Lateral	1,665.03	93.05
For Galvanized Fittings, Add	305.09	
23 21 13 23-0949 EA 6" Plain End Piping System, Lateral	2,123.12	116.51
For Galvanized Fittings, Add	389.69	
23 21 13 23-0950 EA 8" Plain End Piping System, Lateral	3,053.23	141.68
For Galvanized Fittings, Add	568.15	
23 21 13 23-0951 EA 10" Plain End Piping System, Lateral	4,257.64	165.14
For Galvanized Fittings, Add	802.01	
23 21 13 23-0952 EA 12" Plain End Piping System, Lateral	5,720.77	197.82
For Galvanized Fittings, Add	1,084.84	
23 21 13 23-0953 Plain End Piping System, Crosses (23 21 13 23-0886)		
23 21 13 23-0954 EA 2" Plain End Piping System, Cross	836.78	54.78
For Galvanized Fittings, Add	94.34	
23 21 13 23-0955 EA 2-1/2" Plain End Piping System, Cross	855.33	67.08
For Galvanized Fittings, Add	94.34	
23 21 13 23-0956 EA 3" Plain End Piping System, Cross	999.17	82.57
For Galvanized Fittings, Add	109.42	
23 21 13 23-0957 EA 4" Plain End Piping System, Cross	1,362.51	106.71
For Galvanized Fittings, Add	150.32	
23 21 13 23-0958 EA 5" Plain End Piping System, Cross	1,917.40	139.63
For Galvanized Fittings, Add	213.51	
23 21 13 23-0959 EA 6" Plain End Piping System, Cross	2,516.55	174.25
For Galvanized Fittings, Add	281.92	
23 21 13 23-0960 EA 8" Plain End Piping System, Cross	3,209.73	211.03
For Galvanized Fittings, Add	361.67	
23 21 13 23-0961 EA 10" Plain End Piping System, Cross	4,591.39	246.68
For Galvanized Fittings, Add	527.70	
23 21 13 23-0962 EA 12" Plain End Piping System, Cross	6,532.12	296.79
For Galvanized Fittings, Add	760.91	
23 21 13 23-0963 Plain End Piping System, Adapter Nipples (23 21 13 23-0886)		
Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0964 EA 1" Plain End Piping System, Adapter Nipple	79.53	6.83
For Galvanized Fittings, Add	17.32	
23 21 13 23-0965 EA 1-1/2" Plain End Piping System, Adapter Nipple	85.42	9.46
For Galvanized Fittings, Add	17.80	
23 21 13 23-0966 EA 2" Plain End Piping System, Adapter Nipple	89.91	12.53
For Galvanized Fittings, Add	17.80	
23 21 13 23-0967 EA 2-1/2" Plain End Piping System, Adapter Nipple	106.16	15.15
For Galvanized Fittings, Add	20.85	
23 21 13 23-0968 EA 3" Plain End Piping System, Adapter Nipple	130.38	18.22
For Galvanized Fittings, Add	25.76	
23 21 13 23-0969 EA 4" Plain End Piping System, Adapter Nipple	208.76	24.26
For Galvanized Fittings, Add	43.08	
23 21 13 23-0970 EA 6" Plain End Piping System, Adapter Nipple	511.58	30.41
For Galvanized Fittings, Add	116.51	
23 21 13 23-0971 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0886)		
23 21 13 23-0972 EA 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	257.30	16.29
For Galvanized Fittings, Add	58.21	
23 21 13 23-0973 EA 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	261.87	19.36
For Galvanized Fittings, Add	58.21	
23 21 13 23-0974 EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	266.48	22.44
For Galvanized Fittings, Add	58.21	
23 21 13 23-0975 EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	265.35	21.75
For Galvanized Fittings, Add	58.21	
23 21 13 23-0976 EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	269.84	24.71
For Galvanized Fittings, Add	58.21	
23 21 13 23-0977 EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	274.39	27.67
For Galvanized Fittings, Add	58.21	
23 21 13 23-0978 EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	321.07	25.06
For Galvanized Fittings, Add	70.89	
23 21 13 23-0979 EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	325.12	27.67
For Galvanized Fittings, Add	70.89	
23 21 13 23-0980 EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	264.22	30.75
For Galvanized Fittings, Add	54.52	
23 21 13 23-0981 EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	273.04	36.67
For Galvanized Fittings, Add	54.52	
23 21 13 23-0982 EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	319.96	39.52
For Galvanized Fittings, Add	65.19	
23 21 13 23-0983 EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	445.41	31.09
For Galvanized Fittings, Add	99.68	
23 21 13 23-0984 EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	449.39	33.83
For Galvanized Fittings, Add	99.68	
23 21 13 23-0985 EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	357.22	36.90
For Galvanized Fittings, Add	75.48	
23 21 13 23-0986 EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	361.12	39.52
For Galvanized Fittings, Add	75.48	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0987	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	365.77 75.48	42.60
23 21	13 23-0988	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	370.21 75.48	45.56
23 21	13 23-0989	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,174.72 277.58	42.93
23 21	13 23-0990	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	929.82 214.25	48.52
23 21	13 23-0991	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	787.28 176.31	54.78
23 21	13 23-0992	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	2,185.05 528.90	46.36
23 21	13 23-0993	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	2,188.99 528.90	48.97
23 21	13 23-0994	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,642.77 391.19	52.05
23 21	13 23-0995	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,646.82 391.19	54.78
23 21	13 23-0996	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,100.64 253.53	57.74
23 21	13 23-0997	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,104.77 253.53	60.47
23 21	13 23-0998	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	864.63 192.27	63.78
23 21	13 23-0999	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	986.49 220.45	69.81
23 21	13 23-1000	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,320.86 305.75	65.26
23 21	13 23-1001	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,330.05 305.75	71.40
23 21	13 23-1002	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,507.53 347.83	77.56
23 21	13 23-1003	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,689.58 389.89	86.67
23 21	13 23-1004		Plain End Piping System, Bull Plugs (23 21 13 23-0886)		
23 21	13 23-1005	EA	1" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	368.09 107.35	6.83
23 21	13 23-1006	EA	1-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	372.08 107.35	9.46
23 21	13 23-1007	EA	2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	376.57 107.35	12.53
23 21	13 23-1008	EA	2-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	380.61 107.35	15.15
23 21	13 23-1009	EA	3" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	551.89 157.37	18.22
23 21	13 23-1010	EA	4" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	713.98 203.27	24.26
23 21	13 23-1011	EA	5" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,242.93 359.21	30.41
23 21	13 23-1012	EA	6" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,656.22 479.10	39.52
23 21	13 23-1013	EA	8" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	3,073.04 900.73	47.03
23 21	13 23-1014	EA	10" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	5,532.96 1,635.13	55.01
23 21	13 23-1015	EA	12" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	8,480.85 2,514.54	66.06
23 21	13 23-1016		Carbon Steel Piping Systems (23 21 13 23)		
23 21	13 23-1017		Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1016) Note: ASTM A105		
23 21	13 23-1018		90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21	13 23-1019	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	52.71	22.55
23 21	13 23-1020	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	59.45	25.17
23 21	13 23-1021	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	82.13	28.13
23 21	13 23-1022	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	122.24	31.89
23 21	13 23-1023	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	140.52	35.88
23 21	13 23-1024	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	195.71	45.67
23 21	13 23-1025	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	424.23	67.53
23 21	13 23-1026	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	615.33	88.83
23 21	13 23-1027	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	1,162.91	92.79
23 21	13 23-1028		45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21	13 23-1029	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	61.07	22.55
23 21	13 23-1030	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	72.09	25.17
23 21	13 23-1031	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	86.02	28.13
23 21	13 23-1032	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	127.17	31.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1033 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	152.31	35.88
23 21 13 23-1034 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	195.46	45.67
23 21 13 23-1035 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	496.39	67.53
23 21 13 23-1036 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	676.39	88.83
23 21 13 23-1037 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	1,136.49	92.79
23 21 13 23-1038 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1039 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	63.73	28.13
23 21 13 23-1040 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	79.79	32.45
23 21 13 23-1041 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	112.57	38.38
23 21 13 23-1042 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	158.16	45.67
23 21 13 23-1043 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	192.94	54.44
23 21 13 23-1044 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	262.80	67.53
23 21 13 23-1045 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	522.17	88.83
23 21 13 23-1046 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	742.22	105.46
23 21 13 23-1047 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	1,547.78	117.14
23 21 13 23-1048 Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1049 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	66.02	28.13
23 21 13 23-1050 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	82.15	32.45
23 21 13 23-1051 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	115.40	38.38
23 21 13 23-1052 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	164.87	45.67
23 21 13 23-1053 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	200.81	54.44
23 21 13 23-1054 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	274.87	67.53
23 21 13 23-1055 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	550.85	88.83
23 21 13 23-1056 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	783.53	105.46
23 21 13 23-1057 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	1,400.79	117.14
23 21 13 23-1058 Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1059 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	42.41	22.55
23 21 13 23-1060 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	48.04	25.17
23 21 13 23-1061 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	57.91	28.13
23 21 13 23-1062 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	67.58	31.89
23 21 13 23-1063 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	80.51	35.88
23 21 13 23-1064 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	107.38	45.67
23 21 13 23-1065 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	199.26	67.53
23 21 13 23-1066 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	268.38	88.83
23 21 13 23-1067 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	408.73	92.79
23 21 13 23-1068 Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1069 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	47.08	22.55
23 21 13 23-1070 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	53.15	25.17
23 21 13 23-1071 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	66.10	28.13
23 21 13 23-1072 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	77.47	31.89
23 21 13 23-1073 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	95.18	35.88
23 21 13 23-1074 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	123.06	45.67
23 21 13 23-1075 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	233.79	67.53
23 21 13 23-1076 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	337.84	88.83
23 21 13 23-1077 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	553.11	92.79
23 21 13 23-1078 Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		
23 21 13 23-1079 EA 1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	29.51	10.59
23 21 13 23-1080 EA 3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	34.81	11.28
23 21 13 23-1081 EA 1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	41.19	12.98
23 21 13 23-1082 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	49.42	14.13
23 21 13 23-1083 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	59.81	14.13
23 21 13 23-1084 EA 2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	77.73	18.11
23 21 13 23-1085 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	152.73	22.55
23 21 13 23-1086 EA 3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	228.26	27.22
23 21 13 23-1087 EA 4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	339.92	31.75
23 21 13 23-1088 Black Cast Iron Square Head Plug (23 21 13 23-1017)		
23 21 13 23-1089 EA 1/2" Square Head Plug, Black, Cast Iron.....	16.38	8.99
23 21 13 23-1090 EA 3/4" Square Head Plug, Black, Cast Iron.....	20.82	8.99
23 21 13 23-1091 EA 1" Square Head Plug, Black, Cast Iron.....	28.66	13.67
23 21 13 23-1092 EA 1-1/4" Square Head Plug, Black, Cast Iron.....	29.55	13.67
23 21 13 23-1093 EA 1-1/2" Square Head Plug, Black, Cast Iron.....	33.23	13.67
23 21 13 23-1094 EA 2" Square Head Plug, Black, Cast Iron.....	43.83	18.11
23 21 13 23-1095 EA 2-1/2" Square Head Plug, Black, Cast Iron.....	57.86	22.55
23 21 13 23-1096 EA 3" Square Head Plug, Black, Cast Iron.....	79.52	27.22
23 21 13 23-1097 EA 4" Square Head Plug, Black, Cast Iron.....	93.09	31.75
23 21 13 23-1098 Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1017)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1099 EA 1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	90.72	28.13
23 21 13 23-1100 EA 3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	98.48	32.45
23 21 13 23-1101 EA 1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	130.32	38.38
23 21 13 23-1102 EA 1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	168.88	45.67
23 21 13 23-1103 EA 1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	204.26	54.44
23 21 13 23-1104 EA 2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	256.20	67.53
23 21 13 23-1105 EA 2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	506.83	73.34
23 21 13 23-1106 EA 3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	695.61	88.83
23 21 13 23-1107 Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1016)		
Note: ASTM A105		
23 21 13 23-1108 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1109 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	62.78	22.55
23 21 13 23-1110 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	70.95	25.17
23 21 13 23-1111 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	103.35	28.13
23 21 13 23-1112 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	161.80	31.89
23 21 13 23-1113 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	186.55	35.88
23 21 13 23-1114 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	263.32	45.67
23 21 13 23-1115 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	595.78	67.53
23 21 13 23-1116 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	871.39	88.83
23 21 13 23-1117 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,706.68	92.79
23 21 13 23-1118 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1119 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	76.53	22.55
23 21 13 23-1120 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	91.51	25.17
23 21 13 23-1121 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	110.84	28.13
23 21 13 23-1122 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	172.13	31.89
23 21 13 23-1123 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	208.07	35.88
23 21 13 23-1124 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	267.40	45.67
23 21 13 23-1125 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	720.14	67.53
23 21 13 23-1126 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	983.94	88.83
23 21 13 23-1127 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,701.24	92.79
23 21 13 23-1128 Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1129 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	83.68	28.13
23 21 13 23-1130 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	108.61	32.45
23 21 13 23-1131 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	163.56	38.38
23 21 13 23-1132 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	241.30	45.67
23 21 13 23-1133 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	296.03	54.44
23 21 13 23-1134 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	412.45	67.53
23 21 13 23-1135 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	882.42	88.83
23 21 13 23-1136 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,283.16	105.46
23 21 13 23-1137 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	2,818.66	117.14
23 21 13 23-1138 Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1139 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	66.02	28.13
23 21 13 23-1140 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	82.15	32.45
23 21 13 23-1141 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	115.40	38.38
23 21 13 23-1142 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	164.87	45.67
23 21 13 23-1143 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	200.81	54.44
23 21 13 23-1144 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	274.87	67.53
23 21 13 23-1145 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	550.85	88.83
23 21 13 23-1146 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	783.53	105.46
23 21 13 23-1147 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	1,400.79	117.14
23 21 13 23-1148 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1149 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	46.60	22.55
23 21 13 23-1150 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	53.00	25.17
23 21 13 23-1151 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	65.52	28.13
23 21 13 23-1152 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	77.17	31.89
23 21 13 23-1153 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	93.41	35.88
23 21 13 23-1154 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	126.23	45.67
23 21 13 23-1155 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	246.66	67.53
23 21 13 23-1156 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	333.76	88.83
23 21 13 23-1157 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	539.15	92.79
23 21 13 23-1158 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1107)		
23 21 13 23-1159 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	53.47	22.55
23 21 13 23-1160 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	60.53	25.17
23 21 13 23-1161 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	77.58	28.13
23 21 13 23-1162 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	91.74	31.89
23 21 13 23-1163 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	115.02	35.88
23 21 13 23-1164 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	149.30	45.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1165 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	297.41	67.53
23 21 13 23-1166 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	436.07	88.83
23 21 13 23-1167 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	751.86	92.79
23 21 13 23-1168 Caps, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1107)</small>		
23 21 13 23-1169 EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	38.70	10.59
23 21 13 23-1170 EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	46.85	11.28
23 21 13 23-1171 EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	55.76	12.98
23 21 13 23-1172 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	68.43	14.13
23 21 13 23-1173 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	85.79	14.13
23 21 13 23-1174 EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	111.63	18.11
23 21 13 23-1175 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	232.57	22.55
23 21 13 23-1176 EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	354.05	27.22
23 21 13 23-1177 EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	536.06	31.75
23 21 13 23-1178 Black Cast Iron Square Head Plug <small>(23 21 13 23-1107)</small>		
23 21 13 23-1179 EA 1/2" Square Head Plug, Black Cast Iron.....	16.39	8.99
23 21 13 23-1180 EA 3/4" Square Head Plug, Black Cast Iron.....	20.85	8.99
23 21 13 23-1181 EA 1" Square Head Plug, Black Cast Iron.....	28.70	13.67
23 21 13 23-1182 EA 1-1/4" Square Head Plug, Black Cast Iron.....	29.59	13.67
23 21 13 23-1183 EA 1-1/2" Square Head Plug, Black Cast Iron.....	33.29	13.67
23 21 13 23-1184 EA 2" Square Head Plug, Black Cast Iron.....	43.91	18.11
23 21 13 23-1185 EA 2-1/2" Square Head Plug, Black Cast Iron.....	57.98	22.55
23 21 13 23-1186 EA 3" Square Head Plug, Black Cast Iron.....	79.71	27.22
23 21 13 23-1187 EA 4" Square Head Plug, Black Cast Iron.....	93.32	31.75
23 21 13 23-1188 Unions, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1107)</small>		
23 21 13 23-1189 EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	120.40	28.13
23 21 13 23-1190 EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	128.94	32.45
23 21 13 23-1191 EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	174.84	38.38
23 21 13 23-1192 EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	230.32	45.67
23 21 13 23-1193 EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	279.24	54.44
23 21 13 23-1194 EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	350.97	67.53
23 21 13 23-1195 EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	749.47	73.34
23 21 13 23-1196 EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	1,039.53	88.83
23 21 13 23-1197 Carbon Steel, Seamless Piping System <small>(23 21 13 23-1016)</small>		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1198 Schedule 40, Carbon Steel, Seamless Piping <small>(23 21 13 23-1197)</small>		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1199 LF 1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	12.89	4.21
For Schedule 80, Add	2.37	
23 21 13 23-1200 LF 1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	12.91	4.56
For Schedule 80, Add	2.16	
For Schedule 160, Add	9.02	
23 21 13 23-1201 LF 3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	14.71	4.90
For Schedule 80, Add	2.65	
For Schedule 160, Add	11.04	
23 21 13 23-1202 LF 1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	15.54	5.36
For Schedule 80, Add	2.73	
For Schedule 160, Add	11.37	
23 21 13 23-1203 LF 1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	22.19	6.61
For Schedule 80, Add	4.42	
For Schedule 160, Add	18.44	
23 21 13 23-1204 LF 2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	26.69	7.97
For Schedule 80, Add	5.30	
For Schedule 160, Add	22.07	
23 21 13 23-1205 90 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1206 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	37.99	17.31
23 21 13 23-1207 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	46.78	20.27
23 21 13 23-1208 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	52.22	22.66
23 21 13 23-1209 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	60.91	25.28
23 21 13 23-1210 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	107.72	32.34
23 21 13 23-1211 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	136.35	41.11
23 21 13 23-1212 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	41.80	17.31
23 21 13 23-1213 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	48.21	20.27
23 21 13 23-1214 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	56.92	22.66
23 21 13 23-1215 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	71.16	25.28
23 21 13 23-1216 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	132.19	32.34
23 21 13 23-1217 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	163.39	41.11
23 21 13 23-1218 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	61.52	20.27
23 21 13 23-1219 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	73.69	22.66
23 21 13 23-1220 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	88.78	25.28
23 21 13 23-1221 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	181.70	32.34
23 21 13 23-1222 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	294.70	41.11

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1223			45 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1224	EA		1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	45.67	17.31
23 21 13 23-1225	EA		1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	49.85	20.27
23 21 13 23-1226	EA		3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	56.19	22.66
23 21 13 23-1227	EA		1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	63.93	25.28
23 21 13 23-1228	EA		1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	97.95	32.34
23 21 13 23-1229	EA		2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	151.42	41.11
23 21 13 23-1230	EA		1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	46.28	17.31
23 21 13 23-1231	EA		1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	53.34	20.27
23 21 13 23-1232	EA		3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	60.21	22.66
23 21 13 23-1233	EA		1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	74.39	25.28
23 21 13 23-1234	EA		1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	128.41	32.34
23 21 13 23-1235	EA		2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	171.83	41.11
23 21 13 23-1236	EA		1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	70.72	20.27
23 21 13 23-1237	EA		3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	90.29	22.66
23 21 13 23-1238	EA		1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	95.01	25.28
23 21 13 23-1239	EA		1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	217.01	32.34
23 21 13 23-1240	EA		2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	297.03	41.11
23 21 13 23-1241			Straight Tees, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1242	EA		1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	51.01	24.03
23 21 13 23-1243	EA		1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	59.22	25.28
23 21 13 23-1244	EA		3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	72.79	29.27
23 21 13 23-1245	EA		1" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	91.40	34.50
23 21 13 23-1246	EA		1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	156.85	48.97
23 21 13 23-1247	EA		2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	194.46	60.82
23 21 13 23-1248	EA		1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	54.26	24.03
23 21 13 23-1249	EA		1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	61.34	25.28
23 21 13 23-1250	EA		3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	79.87	29.27
23 21 13 23-1251	EA		1" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	97.46	34.50
23 21 13 23-1252	EA		1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	177.85	48.97
23 21 13 23-1253	EA		2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	229.20	60.82
23 21 13 23-1254	EA		1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	77.32	25.28
23 21 13 23-1255	EA		3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	97.04	29.27
23 21 13 23-1256	EA		1" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	139.91	34.50
23 21 13 23-1257	EA		1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	226.08	48.97
23 21 13 23-1258	EA		2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	382.94	60.82
23 21 13 23-1259			Crosses, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1260	EA		1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	82.71	30.41
23 21 13 23-1261	EA		1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	100.50	34.16
23 21 13 23-1262	EA		3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	108.57	36.44
23 21 13 23-1263	EA		1" Cross, 2,000 LB, Screwed Carbon Steel.....	136.05	43.96
23 21 13 23-1264	EA		1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	261.18	61.50
23 21 13 23-1265	EA		2" Cross, 2,000 LB, Screwed Carbon Steel.....	342.87	75.96
23 21 13 23-1266	EA		1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	104.50	34.16
23 21 13 23-1267	EA		3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	131.53	36.44
23 21 13 23-1268	EA		1" Cross, 3,000 LB, Screwed Carbon Steel.....	156.13	43.96
23 21 13 23-1269	EA		1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	290.16	61.50
23 21 13 23-1270	EA		2" Cross, 3,000 LB, Screwed Carbon Steel.....	395.78	75.96
23 21 13 23-1271	EA		1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	179.28	34.16
23 21 13 23-1272	EA		3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	335.65	36.44
23 21 13 23-1273	EA		1" Cross, 6,000 LB, Screwed Carbon Steel.....	470.67	43.96
23 21 13 23-1274	EA		1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	757.88	61.50
23 21 13 23-1275	EA		2" Cross, 6,000 LB, Screwed Carbon Steel.....	816.35	75.96
23 21 13 23-1276			Straight Couplings, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1277	EA		1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	32.82	17.31
23 21 13 23-1278	EA		1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	37.00	20.27
23 21 13 23-1279	EA		3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	43.13	22.66
23 21 13 23-1280	EA		1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	51.70	25.28
23 21 13 23-1281	EA		1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	83.04	32.34
23 21 13 23-1282	EA		2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	105.34	41.11
23 21 13 23-1283	EA		1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	42.41	17.31
23 21 13 23-1284	EA		1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	43.07	20.27
23 21 13 23-1285	EA		3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	47.79	22.66
23 21 13 23-1286	EA		1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	57.91	25.28
23 21 13 23-1287	EA		1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	92.52	32.34
23 21 13 23-1288	EA		2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	139.99	41.11
23 21 13 23-1289			Reducing Couplings, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1290	EA		1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	34.16	18.45
23 21 13 23-1291	EA		1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	40.14	20.27
23 21 13 23-1292	EA		3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	47.94	22.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1293 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	58.36	25.28
23 21 13 23-1294 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	84.77	32.34
23 21 13 23-1295 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	114.68	41.11
23 21 13 23-1296 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	162.90	20.27
23 21 13 23-1297 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	166.53	22.66
23 21 13 23-1298 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	196.60	25.28
23 21 13 23-1299 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	289.23	32.34
23 21 13 23-1300 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	424.16	41.11
23 21 13 23-1301 Caps, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1302 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	17.29	7.74
23 21 13 23-1303 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	19.78	8.99
23 21 13 23-1304 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	23.86	10.13
23 21 13 23-1305 EA 1" Cap, 3,000 LB, Screwed Carbon Steel.....	30.22	11.28
23 21 13 23-1306 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	42.78	14.35
23 21 13 23-1307 EA 2" Cap, 3,000 LB, Screwed Carbon Steel.....	60.32	18.34
23 21 13 23-1308 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	28.80	7.74
23 21 13 23-1309 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	27.15	8.99
23 21 13 23-1310 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	35.87	10.13
23 21 13 23-1311 EA 1" Cap, 6,000 LB, Screwed Carbon Steel.....	38.99	11.28
23 21 13 23-1312 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	78.53	14.35
23 21 13 23-1313 EA 2" Cap, 6,000 LB, Screwed Carbon Steel.....	95.13	18.34
23 21 13 23-1314 Nipples, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1315 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel.....	20.47	10.37
23 21 13 23-1316 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel.....	20.64	10.82
23 21 13 23-1317 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel.....	20.35	10.82
23 21 13 23-1318 EA 1" Nipple, 2" Long, Screwed Carbon Steel.....	23.34	11.73
23 21 13 23-1319 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	27.78	12.64
23 21 13 23-1320 EA 2" Nipple, 2" Long, Screwed Carbon Steel.....	31.11	16.29
23 21 13 23-1321 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel.....	22.67	10.37
23 21 13 23-1322 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel.....	22.38	10.82
23 21 13 23-1323 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel.....	22.32	10.82
23 21 13 23-1324 EA 1" Nipple, 4" Long, Screwed Carbon Steel.....	26.00	11.73
23 21 13 23-1325 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	32.52	12.64
23 21 13 23-1326 EA 2" Nipple, 4" Long, Screwed Carbon Steel.....	38.04	16.29
23 21 13 23-1327 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel.....	27.92	10.37
23 21 13 23-1328 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel.....	25.15	10.82
23 21 13 23-1329 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel.....	25.40	10.82
23 21 13 23-1330 EA 1" Nipple, 6" Long, Screwed Carbon Steel.....	29.82	11.73
23 21 13 23-1331 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	38.99	12.64
23 21 13 23-1332 EA 2" Nipple, 6" Long, Screwed Carbon Steel.....	43.78	16.29
23 21 13 23-1333 Unions, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1334 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel.....	41.95	25.17
23 21 13 23-1335 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel.....	41.72	25.28
23 21 13 23-1336 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel.....	47.66	29.27
23 21 13 23-1337 EA 1" Union, 3,000 LB, Screwed Carbon Steel.....	57.40	34.50
23 21 13 23-1338 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	82.97	48.97
23 21 13 23-1339 EA 2" Union, 3,000 LB, Screwed Carbon Steel.....	103.11	60.82
23 21 13 23-1340 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel.....	92.86	25.17
23 21 13 23-1341 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel.....	103.26	25.28
23 21 13 23-1342 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel.....	122.20	29.27
23 21 13 23-1343 EA 1" Union, 6,000 LB, Screwed Carbon Steel.....	149.26	34.50
23 21 13 23-1344 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	270.81	48.97
23 21 13 23-1345 EA 2" Union, 6,000 LB, Screwed Carbon Steel.....	334.28	60.82
23 21 13 23-1346 Weld Neck Flanges, Screwed Carbon Steel <small>(23 21 13 23-1197)</small>		
23 21 13 23-1347 EA 1/2" Flange, 150 LB, Screwed Carbon Steel.....	97.66	47.03
23 21 13 23-1348 EA 3/4" Flange, 150 LB, Screwed Carbon Steel.....	101.93	49.32
23 21 13 23-1349 EA 1" Flange, 150 LB, Screwed Carbon Steel.....	105.14	51.48
23 21 13 23-1350 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	115.84	57.97
23 21 13 23-1351 EA 2" Flange, 150 LB, Screwed Carbon Steel.....	119.64	60.47
23 21 13 23-1352 EA 1/2" Flange, 300 LB, Screwed Carbon Steel.....	99.37	47.03
For Ring Type Joint, Add	28.79	
For Blind Flange, Deduct	-33.99	
23 21 13 23-1353 EA 3/4" Flange, 300 LB, Screwed Carbon Steel.....	103.75	49.32
For Ring Type Joint, Add	29.76	
For Blind Flange, Deduct	-35.55	
23 21 13 23-1354 EA 1" Flange, 300 LB, Screwed Carbon Steel.....	107.90	51.48
For Ring Type Joint, Add	30.70	
For Blind Flange, Deduct	-37.02	
23 21 13 23-1355 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	122.46	57.97
For Ring Type Joint, Add	35.53	
For Blind Flange, Deduct	-41.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1356	EA	2" Flange, 300 LB, Screwed Carbon Steel	126.26	60.47
			<i>For Ring Type Joint, Add</i>	35.53	
			<i>For Blind Flange, Deduct</i>	-43.40	
23 21	13 23-1357	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	110.70	47.03
			<i>For Ring Type Joint, Add</i>	40.12	
			<i>For Blind Flange, Deduct</i>	-36.26	
23 21	13 23-1358	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	114.11	49.32
			<i>For Ring Type Joint, Add</i>	40.12	
			<i>For Blind Flange, Deduct</i>	-37.62	
23 21	13 23-1359	EA	1" Flange, 600 LB, Screwed Carbon Steel	119.15	51.48
			<i>For Ring Type Joint, Add</i>	41.95	
			<i>For Blind Flange, Deduct</i>	-39.27	
23 21	13 23-1360	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	136.38	57.97
			<i>For Ring Type Joint, Add</i>	49.45	
			<i>For Blind Flange, Deduct</i>	-44.66	
23 21	13 23-1361	EA	2" Flange, 600 LB, Screwed Carbon Steel	136.76	60.47
			<i>For Ring Type Joint, Add</i>	46.03	
			<i>For Blind Flange, Deduct</i>	-45.50	
23 21 13 23-1362 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1363	EA	1/4" Square Head Plug, Screwed Carbon Steel.....	7.34	3.19
23 21	13 23-1364	EA	1/2" Square Head Plug, Screwed Carbon Steel.....	8.77	3.76
23 21	13 23-1365	EA	3/4" Square Head Plug, Screwed Carbon Steel.....	10.32	4.32
23 21	13 23-1366	EA	1" Square Head Plug, Screwed Carbon Steel.....	14.98	6.38
23 21	13 23-1367	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	21.66	6.38
23 21	13 23-1368	EA	2" Square Head Plug, Screwed Carbon Steel.....	32.62	8.32
23 21 13 23-1369 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1370	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	6.68	3.19
23 21	13 23-1371	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	8.15	3.76
23 21	13 23-1372	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	9.92	4.32
23 21	13 23-1373	EA	1" Hex Head Plug, Screwed Carbon Steel.....	14.63	6.38
23 21	13 23-1374	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	20.19	6.38
23 21	13 23-1375	EA	2" Hex Head Plug, Screwed Carbon Steel.....	33.66	8.32
23 21 13 23-1376 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1377	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	8.84	3.19
23 21	13 23-1378	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	8.86	3.76
23 21	13 23-1379	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	10.04	4.32
23 21	13 23-1380	EA	1" Round Head Plug, Screwed Carbon Steel.....	15.22	6.38
23 21	13 23-1381	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	23.52	6.38
23 21	13 23-1382	EA	2" Round Head Plug, Screwed Carbon Steel.....	33.26	8.32
23 21 13 23-1383 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1384	EA	1/4" Hex Bushing, Screwed Carbon Steel	7.18	3.19
23 21	13 23-1385	EA	1/2" Hex Bushing, Screwed Carbon Steel	8.13	3.76
23 21	13 23-1386	EA	3/4" Hex Bushing, Screwed Carbon Steel	9.75	4.32
23 21	13 23-1387	EA	1" Hex Bushing, Screwed Carbon Steel	15.10	6.38
23 21	13 23-1388	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	20.07	6.38
23 21	13 23-1389	EA	2" Hex Bushing, Screwed Carbon Steel	32.12	8.32
23 21 13 23-1390 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1197)					
23 21	13 23-1391	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	50.17	17.31
23 21	13 23-1392	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	56.34	20.27
23 21	13 23-1393	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	67.39	22.66
23 21	13 23-1394	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	80.67	25.28
23 21	13 23-1395	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	139.87	32.34
23 21	13 23-1396	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	192.11	41.11
23 21	13 23-1397	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	91.13	20.27
23 21	13 23-1398	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	138.13	22.66
23 21	13 23-1399	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	199.05	25.28
23 21	13 23-1400	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	465.51	32.34
23 21 13 23-1401 Screwed Carbon Steel Laterals (23 21 13 23-1197)					
23 21	13 23-1402	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	277.61	25.28
23 21	13 23-1403	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	335.56	29.27
23 21	13 23-1404	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	412.29	34.50
23 21	13 23-1405	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	523.63	48.97
23 21	13 23-1406	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	653.81	60.82
23 21	13 23-1407	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	358.89	25.28
23 21	13 23-1408	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	456.43	29.27
23 21	13 23-1409	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	541.53	34.50
23 21	13 23-1410	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	761.24	48.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1411				Grooved-Joint Pipe <small>(23 21 13 23)</small>		
				Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1412				Schedule 10 Black Grooved Pipe <small>(23 21 13 23-1411)</small>		
23 21 13 23-1413	LF			2" Black Schedule 10 Grooved Pipe.....	39.27	14.46
23 21 13 23-1414	LF			2-1/2" Black Schedule 10 Grooved Pipe.....	52.61	19.81
23 21 13 23-1415	LF			3" Black Schedule 10 Grooved Pipe.....	59.35	21.98
23 21 13 23-1416	LF			3-1/2" Black Schedule 10 Grooved Pipe.....	68.02	22.77
23 21 13 23-1417	LF			4" Black Schedule 10 Grooved Pipe.....	71.72	24.71
23 21 13 23-1418	LF			5" Black Schedule 10 Grooved Pipe.....	106.32	30.29
23 21 13 23-1419	LF			6" Black Schedule 10 Grooved Pipe.....	132.69	43.05
23 21 13 23-1420	LF			8" Black Schedule 10 Grooved Pipe.....	192.77	48.29
23 21 13 23-1421	LF			10" Black Schedule 10 Grooved Pipe.....	244.20	58.20
23 21 13 23-1422	LF			12" Black Schedule 10 Grooved Pipe.....	282.99	65.94
23 21 13 23-1423				Schedule 40 Black Grooved Pipe <small>(23 21 13 23-1411)</small>		
23 21 13 23-1424	LF			3/4" Black Schedule 40 Grooved Pipe.....	23.45	8.77
23 21 13 23-1425	LF			1" Black Schedule 40 Grooved Pipe.....	26.52	9.91
23 21 13 23-1426	LF			1-1/4" Black Schedule 40 Grooved Pipe.....	30.70	10.71
23 21 13 23-1427	LF			1-1/2" Black Schedule 40 Grooved Pipe.....	34.94	12.19
23 21 13 23-1428	LF			2" Black Schedule 40 Grooved Pipe.....	43.85	15.49
23 21 13 23-1429	LF			2-1/2" Black Schedule 40 Grooved Pipe.....	61.49	21.19
23 21 13 23-1430	LF			3" Black Schedule 40 Grooved Pipe.....	73.50	24.15
23 21 13 23-1431	LF			4" Black Schedule 40 Grooved Pipe.....	93.23	26.88
23 21 13 23-1432	LF			5" Black Schedule 40 Grooved Pipe.....	133.06	32.69
23 21 13 23-1433	LF			6" Black Schedule 40 Grooved Pipe.....	175.61	47.14
23 21 13 23-1434	LF			8" Black Schedule 40 Grooved Pipe.....	243.02	53.41
23 21 13 23-1435	LF			10" Black Schedule 40 Grooved Pipe.....	345.79	63.78
23 21 13 23-1436	LF			12" Black Schedule 40 Grooved Pipe.....	409.42	73.23
23 21 13 23-1437	LF			14" Black Schedule 40 Grooved Pipe.....	538.02	98.97
23 21 13 23-1438	LF			16" Black Schedule 40 Grooved Pipe.....	622.35	116.40
23 21 13 23-1439	LF			18" Black Schedule 40 Grooved Pipe.....	776.08	141.33
23 21 13 23-1440	LF			20" Black Schedule 40 Grooved Pipe.....	892.81	164.79
23 21 13 23-1441	LF			24" Black Schedule 40 Grooved Pipe.....	1,186.55	197.82
23 21 13 23-1442				Schedule 80 Black Grooved Pipe <small>(23 21 13 23-1411)</small>		
23 21 13 23-1443	LF			3/4" Black Schedule 80 Grooved Pipe.....	25.74	9.57
23 21 13 23-1444	LF			1" Black Schedule 80 Grooved Pipe.....	29.05	10.13
23 21 13 23-1445	LF			1-1/4" Black Schedule 80 Grooved Pipe.....	34.80	11.28
23 21 13 23-1446	LF			1-1/2" Black Schedule 80 Grooved Pipe.....	39.83	12.64
23 21 13 23-1447	LF			2" Black Schedule 80 Grooved Pipe.....	51.58	16.29
23 21 13 23-1448	LF			2-1/2" Black Schedule 80 Grooved Pipe.....	73.32	22.44
23 21 13 23-1449	LF			3" Black Schedule 80 Grooved Pipe.....	89.09	25.17
23 21 13 23-1450	LF			4" Black Schedule 80 Grooved Pipe.....	116.46	27.44
23 21 13 23-1451	LF			5" Black Schedule 80 Grooved Pipe.....	186.01	34.50
23 21 13 23-1452	LF			6" Black Schedule 80 Grooved Pipe.....	237.28	49.43
23 21 13 23-1453	LF			8" Black Schedule 80 Grooved Pipe.....	374.18	56.49
23 21 13 23-1454	LF			10" Black Schedule 80 Grooved Pipe.....	468.02	68.22
23 21 13 23-1455	LF			12" Black Schedule 80 Grooved Pipe.....	481.43	82.46
23 21 13 23-1456				Schedule 40 Galvanized Grooved Pipe <small>(23 21 13 23-1411)</small>		
23 21 13 23-1457	LF			3/4" Galvanized Schedule 40 Grooved Pipe.....	21.19	8.77
23 21 13 23-1458	LF			1" Galvanized Schedule 40 Grooved Pipe.....	24.67	9.91
23 21 13 23-1459	LF			1-1/4" Galvanized Schedule 40 Grooved Pipe.....	27.61	10.71
23 21 13 23-1460	LF			1-1/2" Galvanized Schedule 40 Grooved Pipe.....	31.44	12.19
23 21 13 23-1461	LF			2" Galvanized Schedule 40 Grooved Pipe.....	39.70	15.49
23 21 13 23-1462	LF			2-1/2" Galvanized Schedule 40 Grooved Pipe.....	55.81	21.19
23 21 13 23-1463	LF			3" Galvanized Schedule 40 Grooved Pipe.....	66.64	24.15
23 21 13 23-1464	LF			4" Galvanized Schedule 40 Grooved Pipe.....	83.44	26.88
23 21 13 23-1465	LF			5" Galvanized Schedule 40 Grooved Pipe.....	119.23	32.69
23 21 13 23-1466	LF			6" Galvanized Schedule 40 Grooved Pipe.....	159.60	47.14
23 21 13 23-1467	LF			8" Galvanized Schedule 40 Grooved Pipe.....	215.56	53.41
23 21 13 23-1468	LF			10" Galvanized Schedule 40 Grooved Pipe.....	308.45	63.78
23 21 13 23-1469	LF			12" Galvanized Schedule 40 Grooved Pipe.....	365.19	73.23
23 21 13 23-1470				Schedule 80 Galvanized Grooved Pipe <small>(23 21 13 23-1411)</small>		
23 21 13 23-1471	LF			3/4" Galvanized Schedule 80 Grooved Pipe.....	22.70	9.57
23 21 13 23-1472	LF			1" Galvanized Schedule 80 Grooved Pipe.....	30.49	10.13
23 21 13 23-1473	LF			1-1/4" Galvanized Schedule 80 Grooved Pipe.....	30.42	11.28
23 21 13 23-1474	LF			1-1/2" Galvanized Schedule 80 Grooved Pipe.....	40.29	13.44
23 21 13 23-1475	LF			2" Galvanized Schedule 80 Grooved Pipe.....	45.14	16.29
23 21 13 23-1476	LF			2-1/2" Galvanized Schedule 80 Grooved Pipe.....	64.20	22.44
23 21 13 23-1477	LF			3" Galvanized Schedule 80 Grooved Pipe.....	77.89	25.17
23 21 13 23-1478	LF			4" Galvanized Schedule 80 Grooved Pipe.....	99.72	27.44
23 21 13 23-1479	LF			5" Galvanized Schedule 80 Grooved Pipe.....	152.84	34.50
23 21 13 23-1480	LF			6" Galvanized Schedule 80 Grooved Pipe.....	196.29	49.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-1481	LF	8" Galvanized Schedule 80 Grooved Pipe	300.38	56.49
23 21 13 23-1482	LF	10" Galvanized Schedule 80 Grooved Pipe	357.12	68.22
23 21 13 23-1483	LF	12" Galvanized Schedule 80 Grooved Pipe	388.97	82.46
23 21 13 23-1484		Painted Grooved-Joint Pipe Fittings <small>(23 21 13 23)</small>		
		Note: Couplings are not included with fittings.		
23 21 13 23-1485		Grooved Elbows <small>(23 21 13 23-1484)</small>		
23 21 13 23-1486		90 Degree Grooved Elbows <small>(23 21 13 23-1485)</small>		
		Note: Victaulic No. 10		
23 21 13 23-1487	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	96.98	12.42
		<i>For Galvanized Fittings, Add</i>	25.86	
23 21 13 23-1488	EA	1", Ductile Iron, Grooved 90 Degree Elbow	96.98	12.42
		<i>For Galvanized Fittings, Add</i>	25.86	
23 21 13 23-1489	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	101.63	15.49
		<i>For Galvanized Fittings, Add</i>	25.86	
23 21 13 23-1490	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	106.57	18.79
		<i>For Galvanized Fittings, Add</i>	25.86	
23 21 13 23-1491	EA	2", Ductile Iron, Grooved 90 Degree Elbow	115.59	24.83
		<i>For Galvanized Fittings, Add</i>	25.86	
23 21 13 23-1492	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	123.71	30.29
		<i>For Galvanized Fittings, Add</i>	25.86	
23 21 13 23-1493	EA	3", Ductile Iron, Grooved 90 Degree Elbow	194.18	36.67
		<i>For Galvanized Fittings, Add</i>	45.95	
23 21 13 23-1494	EA	4", Ductile Iron, Grooved 90 Degree Elbow	224.19	48.40
		<i>For Galvanized Fittings, Add</i>	50.04	
23 21 13 23-1495	EA	5", Ductile Iron, Grooved 90 Degree Elbow	459.81	60.47
		<i>For Galvanized Fittings, Add</i>	121.82	
23 21 13 23-1496	EA	6", Ductile Iron, Grooved 90 Degree Elbow	547.63	79.15
		<i>For Galvanized Fittings, Add</i>	141.57	
23 21 13 23-1497	EA	8", Ductile Iron, Grooved 90 Degree Elbow	1,044.13	94.19
		<i>For Galvanized Fittings, Add</i>	297.96	
23 21 13 23-1498	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,571.49	109.90
		<i>For Galvanized Fittings, Add</i>	464.22	
23 21 13 23-1499	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,452.48	131.89
		<i>For Galvanized Fittings, Add</i>	744.07	
23 21 13 23-1500	EA	14", Steel, Grooved 90 Degree Elbow	4,912.33	148.85
		<i>For Galvanized Fittings, Add</i>	1,547.41	
23 21 13 23-1501	EA	16", Steel, Grooved 90 Degree Elbow	6,382.88	164.79
		<i>For Galvanized Fittings, Add</i>	2,024.80	
23 21 13 23-1502	EA	18", Steel, Grooved 90 Degree Elbow	8,051.82	180.05
		<i>For Galvanized Fittings, Add</i>	2,568.04	
23 21 13 23-1503	EA	20", Steel, Grooved 90 Degree Elbow	10,507.04	187.23
		<i>For Galvanized Fittings, Add</i>	3,374.66	
23 21 13 23-1504	EA	24", Steel, Grooved 90 Degree Elbow	15,047.67	221.40
		<i>For Galvanized Fittings, Add</i>	4,856.22	
23 21 13 23-1505		45 Degree Grooved Elbows <small>(23 21 13 23-1485)</small>		
		Note: Victaulic No. 11		
23 21 13 23-1506	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	96.93	12.42
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1507	EA	1", Ductile Iron, Grooved 45 Degree Elbow	96.93	12.42
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1508	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	101.58	15.49
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1509	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	106.52	18.79
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1510	EA	2", Ductile Iron, Grooved 45 Degree Elbow	115.54	24.83
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1511	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	123.66	30.29
		<i>For Galvanized Fittings, Add</i>	18.80	
23 21 13 23-1512	EA	3", Ductile Iron, Grooved 45 Degree Elbow	194.13	36.67
		<i>For Galvanized Fittings, Add</i>	33.40	
23 21 13 23-1513	EA	4", Ductile Iron, Grooved 45 Degree Elbow	224.19	48.40
		<i>For Galvanized Fittings, Add</i>	36.40	
23 21 13 23-1514	EA	5", Ductile Iron, Grooved 45 Degree Elbow	459.81	60.47
		<i>For Galvanized Fittings, Add</i>	88.59	
23 21 13 23-1515	EA	6", Ductile Iron, Grooved 45 Degree Elbow	547.63	79.15
		<i>For Galvanized Fittings, Add</i>	102.96	
23 21 13 23-1516	EA	8", Ductile Iron, Grooved 45 Degree Elbow	1,044.13	94.19
		<i>For Galvanized Fittings, Add</i>	216.70	
23 21 13 23-1517	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,571.49	109.90
		<i>For Galvanized Fittings, Add</i>	337.62	
23 21 13 23-1518	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,452.48	131.89
		<i>For Galvanized Fittings, Add</i>	541.14	
23 21 13 23-1519	EA	14", Steel, Grooved 45 Degree Elbow	4,912.33	148.85
		<i>For Galvanized Fittings, Add</i>	1,125.39	
23 21 13 23-1520	EA	16", Steel, Grooved 45 Degree Elbow	6,382.88	164.79
		<i>For Galvanized Fittings, Add</i>	1,472.58	
23 21 13 23-1521	EA	18", Steel, Grooved 45 Degree Elbow	8,051.82	180.05
		<i>For Galvanized Fittings, Add</i>	1,867.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1522 EA 20", Steel, Grooved 45 Degree Elbow	10,507.53	187.57
For Galvanized Fittings, Add	2,454.30	
23 21 13 23-1523 EA 24", Steel, Grooved 45 Degree Elbow	15,047.67	221.40
For Galvanized Fittings, Add	3,531.80	
23 21 13 23-1524 22-1/2 Degree Grooved Elbows (23 21 13 23-1485)		
Note: Victaulic No. 12		
23 21 13 23-1525 EA 1", Ductile Iron, Grooved 22-1/2 Degree Elbow	102.09	12.42
For Galvanized Fittings, Add	20.04	
23 21 13 23-1526 EA 1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	106.74	15.49
For Galvanized Fittings, Add	20.04	
23 21 13 23-1527 EA 1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	111.68	18.79
For Galvanized Fittings, Add	20.04	
23 21 13 23-1528 EA 2", Ductile Iron, Grooved 22-1/2 Degree Elbow	120.70	24.83
For Galvanized Fittings, Add	20.04	
23 21 13 23-1529 EA 2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	128.82	30.29
For Galvanized Fittings, Add	20.04	
23 21 13 23-1530 EA 3", Ductile Iron, Grooved 22-1/2 Degree Elbow	177.04	36.67
For Galvanized Fittings, Add	29.30	
23 21 13 23-1531 EA 4", Ductile Iron, Grooved 22-1/2 Degree Elbow	236.25	48.40
For Galvanized Fittings, Add	39.29	
23 21 13 23-1532 EA 5", Ductile Iron, Grooved 22-1/2 Degree Elbow	598.36	60.47
For Galvanized Fittings, Add	121.85	
23 21 13 23-1533 EA 6", Ductile Iron, Grooved 22-1/2 Degree Elbow	582.42	79.15
For Galvanized Fittings, Add	111.31	
23 21 13 23-1534 EA 8", Ductile Iron, Grooved 22-1/2 Degree Elbow	1,111.63	94.19
For Galvanized Fittings, Add	232.90	
23 21 13 23-1535 EA 10", Steel, Grooved 22-1/2 Degree Elbow	1,497.01	109.90
For Galvanized Fittings, Add	319.74	
23 21 13 23-1536 EA 12", Steel, Grooved 22-1/2 Degree Elbow	1,998.80	131.89
For Galvanized Fittings, Add	432.26	
23 21 13 23-1537 EA 14", Steel, Grooved 22-1/2 Degree Elbow	2,303.51	148.85
For Galvanized Fittings, Add	499.27	
23 21 13 23-1538 EA 16", Steel, Grooved 22-1/2 Degree Elbow	2,742.15	164.79
For Galvanized Fittings, Add	598.80	
23 21 13 23-1539 EA 18", Steel, Grooved 22-1/2 Degree Elbow	3,291.55	180.05
For Galvanized Fittings, Add	725.20	
23 21 13 23-1540 EA 20", Steel, Grooved 22-1/2 Degree Elbow	3,853.20	187.23
For Galvanized Fittings, Add	857.38	
23 21 13 23-1541 EA 24", Steel, Grooved 22-1/2 Degree Elbow	5,132.39	221.40
For Galvanized Fittings, Add	1,152.13	
23 21 13 23-1542 11-1/4 Degree Grooved Elbows (23 21 13 23-1485)		
Note: Victaulic No. 13		
23 21 13 23-1543 EA 1", Ductile Iron, Grooved 11-1/4 Degree Elbow	102.09	12.42
For Galvanized Fittings, Add	20.04	
23 21 13 23-1544 EA 1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	106.74	15.49
For Galvanized Fittings, Add	20.04	
23 21 13 23-1545 EA 1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	111.68	18.79
For Galvanized Fittings, Add	20.04	
23 21 13 23-1546 EA 2", Ductile Iron, Grooved 11-1/4 Degree Elbow	120.70	24.83
For Galvanized Fittings, Add	20.04	
23 21 13 23-1547 EA 2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	128.82	30.29
For Galvanized Fittings, Add	20.04	
23 21 13 23-1548 EA 3", Ductile Iron, Grooved 11-1/4 Degree Elbow	177.04	36.67
For Galvanized Fittings, Add	29.30	
23 21 13 23-1549 EA 4", Ductile Iron, Grooved 11-1/4 Degree Elbow	236.24	48.40
For Galvanized Fittings, Add	39.29	
23 21 13 23-1550 EA 5", Ductile Iron, Grooved 11-1/4 Degree Elbow	598.33	60.47
For Galvanized Fittings, Add	121.84	
23 21 13 23-1551 EA 6", Ductile Iron, Grooved 11-1/4 Degree Elbow	582.40	79.15
For Galvanized Fittings, Add	111.30	
23 21 13 23-1552 EA 8", Ductile Iron, Grooved 11-1/4 Degree Elbow	1,111.57	94.19
For Galvanized Fittings, Add	232.88	
23 21 13 23-1553 EA 10", Steel, Grooved 11-1/4 Degree Elbow	1,496.93	109.90
For Galvanized Fittings, Add	319.72	
23 21 13 23-1554 EA 12", Steel, Grooved 11-1/4 Degree Elbow	1,998.70	131.89
For Galvanized Fittings, Add	432.24	
23 21 13 23-1555 EA 14", Steel, Grooved 11-1/4 Degree Elbow	2,303.40	148.85
For Galvanized Fittings, Add	499.24	
23 21 13 23-1556 EA 16", Steel, Grooved 11-1/4 Degree Elbow	2,742.05	164.91
For Galvanized Fittings, Add	598.77	
23 21 13 23-1557 EA 18", Steel, Grooved 11-1/4 Degree Elbow	3,291.36	180.05
For Galvanized Fittings, Add	725.16	
23 21 13 23-1558 EA 20", Steel, Grooved 11-1/4 Degree Elbow	3,853.00	187.23
For Galvanized Fittings, Add	857.33	
23 21 13 23-1559 EA 24", Steel, Grooved 11-1/4 Degree Elbow	5,132.13	221.40
For Galvanized Fittings, Add	1,152.07	
23 21 13 23-1560 90 Degree Grooved Long Radius Elbows (23 21 13 23-1485)		
Note: Victaulic No. 100		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1561	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	216.40 43.00	24.83
23 21	13 23-1562	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	565.25 124.78	30.29
23 21	13 23-1563	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	234.13 43.00	36.67
23 21	13 23-1564	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	340.95 64.42	48.40
23 21	13 23-1565	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,466.42 330.18	60.47
23 21	13 23-1566	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	903.83 188.45	79.15
23 21	13 23-1567	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	2,024.66 452.02	94.19
23 21	13 23-1568	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	4,069.90 937.23	109.90
23 21	13 23-1569	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	4,854.59 1,117.65	131.89
23 21 13 23-1570 Grooved Tees, Wyes And Crosses (23 21 13 23-1484)					
23 21 13 23-1571 Grooved Tees (23 21 13 23-1570)					
Note: Victaulic No. 20					
23 21	13 23-1572	EA	3/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	144.24 35.93	16.29
23 21	13 23-1573	EA	1", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	147.96 35.93	18.79
23 21	13 23-1574	EA	1-1/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	154.22 35.93	23.01
23 21	13 23-1575	EA	1-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	162.05 35.93	28.24
23 21	13 23-1576	EA	2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	174.49 35.93	36.56
23 21	13 23-1577	EA	2-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	186.93 35.93	44.76
23 21	13 23-1578	EA	3", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	250.20 50.33	55.01
23 21	13 23-1579	EA	4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	364.02 77.20	71.18
23 21	13 23-1580	EA	5", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	743.25 181.13	93.05
23 21	13 23-1581	EA	6", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	872.25 209.34	116.40
23 21	13 23-1582	EA	8", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	1,736.09 457.27	141.33
23 21	13 23-1583	EA	10", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	2,969.01 816.56	164.79
23 21	13 23-1584	EA	12", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,107.18 1,143.18	197.82
23 21	13 23-1585	EA	14", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,486.56 1,247.11	219.80
23 21	13 23-1586	EA	16", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	5,626.68 1,588.58	221.05
23 21	13 23-1587	EA	18", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	6,996.98 1,989.43	243.83
23 21	13 23-1588	EA	20", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	9,873.08 2,850.53	247.71
23 21	13 23-1589	EA	24", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	15,055.35 4,379.72	304.31
23 21 13 23-1590 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1570)					
Note: Victaulic No. 33					
23 21	13 23-1591	EA	1", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	533.51 80.85	18.79
23 21	13 23-1592	EA	1-1/4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	539.77 80.85	23.01
23 21	13 23-1593	EA	1-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	547.60 80.85	28.24
23 21	13 23-1594	EA	2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	560.04 80.85	36.56
23 21	13 23-1595	EA	2-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	572.48 80.85	44.76
23 21	13 23-1596	EA	3", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	686.45 96.64	55.01
23 21	13 23-1597	EA	4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	897.83 126.58	71.18
23 21	13 23-1598	EA	5", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,273.50 181.44	93.05
23 21	13 23-1599	EA	6", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,577.55 224.49	116.40
23 21	13 23-1600	EA	8", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	2,232.69 323.33	141.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1601 EA 10", Steel, Grooved Wye	3,735.09	164.79
For Galvanized Fittings, Add	558.07	
23 21 13 23-1602 EA 12", Steel, Grooved Wye	4,149.94	197.82
For Galvanized Fittings, Add	616.54	
23 21 13 23-1603 EA 14", Steel, Grooved Wye	4,729.65	219.80
For Galvanized Fittings, Add	704.02	
23 21 13 23-1604 EA 16", Steel, Grooved Wye	6,046.24	220.83
For Galvanized Fittings, Add	914.43	
23 21 13 23-1605 EA 18", Steel, Grooved Wye	6,903.44	244.06
For Galvanized Fittings, Add	1,046.00	
23 21 13 23-1606 EA 20", Steel, Grooved Wye	9,852.30	247.25
For Galvanized Fittings, Add	1,517.05	
23 21 13 23-1607 EA 24", Steel, Grooved Wye	15,197.48	304.31
For Galvanized Fittings, Add	2,358.59	
23 21 13 23-1608 Grooved Crosses (23 21 13 23-1570)		
Note: Victaulic No. 35		
23 21 13 23-1609 EA 3/4", Steel, Grooved Cross	363.88	24.48
For Galvanized Fittings, Add	49.07	
23 21 13 23-1610 EA 1", Steel, Grooved Cross	369.44	28.24
For Galvanized Fittings, Add	49.07	
23 21 13 23-1611 EA 1-1/4", Steel, Grooved Cross	446.54	34.50
For Galvanized Fittings, Add	59.23	
23 21 13 23-1612 EA 1-1/2", Steel, Grooved Cross	488.91	42.37
For Galvanized Fittings, Add	63.82	
23 21 13 23-1613 EA 2", Steel, Grooved Cross	322.54	54.78
For Galvanized Fittings, Add	36.07	
23 21 13 23-1614 EA 2-1/2", Steel, Grooved Cross	341.20	67.19
For Galvanized Fittings, Add	36.07	
23 21 13 23-1615 EA 3", Steel, Grooved Cross	555.71	82.46
For Galvanized Fittings, Add	64.81	
23 21 13 23-1616 EA 4", Steel, Grooved Cross	879.24	106.71
For Galvanized Fittings, Add	107.88	
23 21 13 23-1617 EA 5", Steel, Grooved Cross	1,678.58	139.51
For Galvanized Fittings, Add	220.40	
23 21 13 23-1618 EA 6", Steel, Grooved Cross	2,152.15	174.58
For Galvanized Fittings, Add	283.57	
23 21 13 23-1619 EA 8", Steel, Grooved Cross	2,807.50	211.94
For Galvanized Fittings, Add	373.46	
23 21 13 23-1620 EA 10", Steel, Grooved Cross	4,617.09	247.25
For Galvanized Fittings, Add	636.96	
23 21 13 23-1621 EA 12", Steel, Grooved Cross	6,572.72	296.79
For Galvanized Fittings, Add	919.18	
23 21 13 23-1622 EA 14", Steel, Grooved Cross	6,843.06	329.70
For Galvanized Fittings, Add	952.31	
23 21 13 23-1623 EA 16", Steel, Grooved Cross	8,802.35	331.64
For Galvanized Fittings, Add	1,245.78	
23 21 13 23-1624 EA 18", Steel, Grooved Cross	10,728.49	365.69
For Galvanized Fittings, Add	1,527.03	
23 21 13 23-1625 EA 20", Steel, Grooved Cross	14,979.34	371.39
For Galvanized Fittings, Add	2,163.38	
23 21 13 23-1626 EA 24", Steel, Grooved Cross	22,949.57	456.46
For Galvanized Fittings, Add	3,339.77	
23 21 13 23-1627 Grooved Reducing Tees (23 21 13 23-1570)		
Note: Victaulic No. 25		
23 21 13 23-1628 EA 1", Steel, Grooved Reducing Tee	259.28	18.79
For Galvanized Fittings, Add	46.22	
23 21 13 23-1629 EA 1-1/4", Steel, Grooved Reducing Tee	272.80	23.01
For Galvanized Fittings, Add	47.67	
23 21 13 23-1630 EA 1-1/2", Steel, Grooved Reducing Tee	286.57	28.24
For Galvanized Fittings, Add	48.86	
23 21 13 23-1631 EA 2", Steel, Grooved Reducing Tee	340.71	36.56
For Galvanized Fittings, Add	57.20	
23 21 13 23-1632 EA 2-1/2", Steel, Grooved Reducing Tee	382.57	44.76
For Galvanized Fittings, Add	63.08	
23 21 13 23-1633 EA 3", Steel, Grooved Reducing Tee	427.66	55.01
For Galvanized Fittings, Add	69.05	
23 21 13 23-1634 EA 4", Steel, Grooved Reducing Tee	572.27	71.18
For Galvanized Fittings, Add	93.12	
23 21 13 23-1635 EA 5", Steel, Grooved Reducing Tee	754.27	93.05
For Galvanized Fittings, Add	122.96	
23 21 13 23-1636 EA 6", Steel, Grooved Reducing Tee	1,039.30	116.40
For Galvanized Fittings, Add	172.97	
23 21 13 23-1637 EA 8", Steel, Grooved Reducing Tee	1,638.83	141.33
For Galvanized Fittings, Add	285.40	
23 21 13 23-1638 EA 10", Steel, Grooved Reducing Tee	2,350.82	164.79
For Galvanized Fittings, Add	420.73	
23 21 13 23-1639 EA 12", Steel, Grooved Reducing Tee	3,399.83	197.82
For Galvanized Fittings, Add	620.65	
23 21 13 23-1640 EA 14", Steel, Grooved Reducing Tee	3,854.17	219.80
For Galvanized Fittings, Add	704.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21	13 23-1641	EA 16", Steel, Grooved Reducing Tee	4,909.85	221.05
		<i>For Galvanized Fittings, Add</i>	915.68	
23 21	13 23-1642	EA 18", Steel, Grooved Reducing Tee	5,970.61	243.83
		<i>For Galvanized Fittings, Add</i>	1,121.02	
23 21	13 23-1643	EA 20", Steel, Grooved Reducing Tee	8,387.54	247.59
		<i>For Galvanized Fittings, Add</i>	1,603.27	
23 21	13 23-1644	EA 24", Steel, Grooved Reducing Tee	13,368.92	304.31
		<i>For Galvanized Fittings, Add</i>	2,582.53	
23 21 13 23-1645 Grooved 45 Degree Lateral Wyes (23 21 13 23-1570)				
		Note: Victaulic No. 30		
23 21	13 23-1646	EA 3/4", Steel, Grooved, 45 Degree Lateral Wye	503.01	16.29
		<i>For Galvanized Fittings, Add</i>	86.14	
23 21	13 23-1647	EA 1", Steel, Grooved, 45 Degree Lateral Wye	506.73	18.79
		<i>For Galvanized Fittings, Add</i>	86.14	
23 21	13 23-1648	EA 1-1/4", Steel, Grooved, 45 Degree Lateral Wye	512.99	23.01
		<i>For Galvanized Fittings, Add</i>	86.14	
23 21	13 23-1649	EA 1-1/2", Steel, Grooved, 45 Degree Lateral Wye	520.82	28.24
		<i>For Galvanized Fittings, Add</i>	86.14	
23 21	13 23-1650	EA 2", Steel, Grooved, 45 Degree Lateral Wye	533.26	36.56
		<i>For Galvanized Fittings, Add</i>	86.14	
23 21	13 23-1651	EA 2-1/2", Steel, Grooved, 45 Degree Lateral Wye	545.70	44.76
		<i>For Galvanized Fittings, Add</i>	86.14	
23 21	13 23-1652	EA 3", Steel, Grooved, 45 Degree Lateral Wye	495.84	55.01
		<i>For Galvanized Fittings, Add</i>	74.41	
23 21	13 23-1653	EA 3-1/2", Steel, Grooved, 45 Degree Lateral Wye	795.45	63.43
		<i>For Galvanized Fittings, Add</i>	126.07	
23 21	13 23-1654	EA 4", Steel, Grooved, 45 Degree Lateral Wye	921.98	71.18
		<i>For Galvanized Fittings, Add</i>	146.75	
23 21	13 23-1655	EA 5", Steel, Grooved, 45 Degree Lateral Wye	1,331.02	93.05
		<i>For Galvanized Fittings, Add</i>	214.48	
23 21	13 23-1656	EA 6", Steel, Grooved, 45 Degree Lateral Wye	2,094.23	116.40
		<i>For Galvanized Fittings, Add</i>	345.56	
23 21	13 23-1657	EA 8", Steel, Grooved, 45 Degree Lateral Wye	2,977.02	141.33
		<i>For Galvanized Fittings, Add</i>	497.73	
23 21	13 23-1658	EA 10", Steel, Grooved, 45 Degree Lateral Wye	4,150.13	164.79
		<i>For Galvanized Fittings, Add</i>	702.54	
23 21	13 23-1659	EA 12", Steel, Grooved, 45 Degree Lateral Wye	5,015.46	197.82
		<i>For Galvanized Fittings, Add</i>	849.40	
23 21	13 23-1660	EA 14", Steel, Grooved, 45 Degree Lateral Wye	7,217.05	219.80
		<i>For Galvanized Fittings, Add</i>	1,239.75	
23 21	13 23-1661	EA 16", Steel, Grooved, 45 Degree Lateral Wye	8,935.80	221.05
		<i>For Galvanized Fittings, Add</i>	1,548.78	
23 21	13 23-1662	EA 18", Steel, Grooved, 45 Degree Lateral Wye	9,984.11	243.83
		<i>For Galvanized Fittings, Add</i>	1,731.35	
23 21	13 23-1663	EA 20", Steel, Grooved, 45 Degree Lateral Wye	14,961.05	247.59
		<i>For Galvanized Fittings, Add</i>	2,626.17	
23 21	13 23-1664	EA 24", Steel, Grooved, 45 Degree Lateral Wye	23,127.80	304.31
		<i>For Galvanized Fittings, Add</i>	4,080.87	
23 21 13 23-1665 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1570)				
		Note: Victaulic No. 30R		
23 21	13 23-1666	EA 3", Steel, Grooved 45 Degree Lateral Reducing Wye	495.84	55.01
		<i>For Galvanized Fittings, Add</i>	53.74	
23 21	13 23-1667	EA 4", Steel, Grooved 45 Degree Lateral Reducing Wye	921.98	71.18
		<i>For Galvanized Fittings, Add</i>	105.99	
23 21	13 23-1668	EA 5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,331.02	93.05
		<i>For Galvanized Fittings, Add</i>	154.90	
23 21	13 23-1669	EA 6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,713.92	116.40
		<i>For Galvanized Fittings, Add</i>	200.13	
23 21	13 23-1670	EA 8", Steel, Grooved 45 Degree Lateral Reducing Wye	2,434.21	141.33
		<i>For Galvanized Fittings, Add</i>	288.91	
23 21	13 23-1671	EA 10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,968.91	164.79
		<i>For Galvanized Fittings, Add</i>	353.83	
23 21	13 23-1672	EA 12", Steel, Grooved 45 Degree Lateral Reducing Wye	3,604.19	197.82
		<i>For Galvanized Fittings, Add</i>	429.99	
23 21	13 23-1673	EA 14", Steel, Grooved 45 Degree Lateral Reducing Wye	4,034.89	219.80
		<i>For Galvanized Fittings, Add</i>	481.70	
23 21	13 23-1674	EA 16", Steel, Grooved 45 Degree Lateral Reducing Wye	5,120.95	221.05
		<i>For Galvanized Fittings, Add</i>	622.64	
23 21	13 23-1675	EA 18", Steel, Grooved 45 Degree Lateral Reducing Wye	7,719.78	243.83
		<i>For Galvanized Fittings, Add</i>	956.06	
23 21	13 23-1676	EA 20", Steel, Grooved 45 Degree Lateral Reducing Wye	11,135.96	247.59
		<i>For Galvanized Fittings, Add</i>	1,399.42	
23 21	13 23-1677	EA 24", Steel, Grooved 45 Degree Lateral Reducing Wye	17,884.81	304.31
		<i>For Galvanized Fittings, Add</i>	2,265.71	
23 21 13 23-1678 Mechanical-T Outlet (23 21 13 23-1570)				
		Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21	13 23-1679	EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	161.58	41.00
		<i>For Galvanized Fittings, Add</i>	19.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1680 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	161.58	41.00
For Galvanized Fittings, Add	19.74	
23 21 13 23-1681 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	174.00	41.00
For Galvanized Fittings, Add	22.82	
23 21 13 23-1682 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	174.00	41.00
23 21 13 23-1683 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	171.83	46.12
23 21 13 23-1684 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	171.83	46.12
23 21 13 23-1685 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	204.63	46.12
23 21 13 23-1686 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	194.13	51.25
23 21 13 23-1687 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	194.13	51.25
23 21 13 23-1688 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	220.54	51.25
23 21 13 23-1689 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	220.54	51.25
23 21 13 23-1690 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	238.62	51.25
23 21 13 23-1691 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	253.50	68.33
23 21 13 23-1692 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	253.50	68.33
23 21 13 23-1693 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	274.12	68.33
23 21 13 23-1694 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	279.91	68.33
23 21 13 23-1695 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	279.91	68.33
23 21 13 23-1696 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	285.69	68.33
23 21 13 23-1697 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	296.79	68.33
23 21 13 23-1698 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	363.83	93.96
23 21 13 23-1699 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	363.83	93.96
23 21 13 23-1700 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	373.84	93.96
23 21 13 23-1701 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	386.38	93.96
23 21 13 23-1702 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	419.18	119.58
23 21 13 23-1703 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	419.18	119.58
23 21 13 23-1704 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	433.89	119.58
23 21 13 23-1705 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	446.31	119.58
23 21 13 23-1706 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	468.38	119.58
23 21 13 23-1707 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	635.17	158.31
23 21 13 23-1708 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	635.17	158.31
23 21 13 23-1709 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	652.89	158.31
23 21 13 23-1710 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	663.38	158.31
23 21 13 23-1711 Installation-Ready™ Grooved Fittings (23 21 13 23-1484)		
23 21 13 23-1712 Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1711)		
Note: Victaulic No. 101		
23 21 13 23-1713 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	264.61	11.28
For Galvanized Fittings, Add	81.68	
For Galvanized Fittings, Add	63.37	
23 21 13 23-1714 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	275.30	13.53
For Galvanized Fittings, Add	84.08	
For Galvanized Fittings, Add	65.23	
23 21 13 23-1715 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	283.95	18.04
For Galvanized Fittings, Add	84.68	
For Galvanized Fittings, Add	65.69	
23 21 13 23-1716 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow.....	343.56	22.55
For Galvanized Fittings, Add	102.10	
For Galvanized Fittings, Add	79.21	
23 21 13 23-1717 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1711)		
Note: Victaulic No. 103		
23 21 13 23-1718 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	264.61	11.28
For Galvanized Fittings, Add	59.40	
For Galvanized Fittings, Add	63.37	
23 21 13 23-1719 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	275.30	13.53
For Galvanized Fittings, Add	61.15	
For Galvanized Fittings, Add	65.23	
23 21 13 23-1720 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	283.95	18.04
For Galvanized Fittings, Add	61.59	
For Galvanized Fittings, Add	65.69	
23 21 13 23-1721 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow.....	343.56	22.55
For Galvanized Fittings, Add	74.26	
For Galvanized Fittings, Add	79.21	
23 21 13 23-1722 Installation-Ready™ Grooved Tees (23 21 13 23-1711)		
Note: Victaulic No. 102		
23 21 13 23-1723 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee.....	404.97	15.03
For Galvanized Fittings, Add	114.66	
For Galvanized Fittings, Add	97.84	
23 21 13 23-1724 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	422.27	18.04
For Galvanized Fittings, Add	118.48	
For Galvanized Fittings, Add	101.10	
23 21 13 23-1725 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	436.84	24.06
For Galvanized Fittings, Add	120.12	
For Galvanized Fittings, Add	102.50	
23 21 13 23-1726 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	507.83	30.07
For Galvanized Fittings, Add	138.68	
For Galvanized Fittings, Add	118.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-1727		Grooved Fittings <small>(23 21 13 23-1484)</small>		
23 21 13	23-1728		Flanged Adapter Nipple, Grooved <small>(23 21 13 23-1727)</small>		
			Note: Victaulic No. 41 and 45		
23 21 13	23-1729	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	357.27	13.67
			<i>For Galvanized Fittings, Add</i>	60.62	
			<i>For 300 LB Rating, Add</i>	50.52	
23 21 13	23-1730	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	359.54	15.15
			<i>For Galvanized Fittings, Add</i>	60.62	
			<i>For 300 LB Rating, Add</i>	50.52	
23 21 13	23-1731	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	365.24	19.02
			<i>For Galvanized Fittings, Add</i>	60.62	
			<i>For 300 LB Rating, Add</i>	50.52	
23 21 13	23-1732	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	377.23	26.99
			<i>For Galvanized Fittings, Add</i>	60.62	
			<i>For 300 LB Rating, Add</i>	50.52	
23 21 13	23-1733	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	385.78	32.69
			<i>For Galvanized Fittings, Add</i>	60.62	
			<i>For 300 LB Rating, Add</i>	50.52	
23 21 13	23-1734	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	489.42	39.06
			<i>For Galvanized Fittings, Add</i>	77.57	
			<i>For 300 LB Rating, Add</i>	64.64	
23 21 13	23-1735	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	592.76	52.61
			<i>For Galvanized Fittings, Add</i>	92.50	
			<i>For 300 LB Rating, Add</i>	77.09	
23 21 13	23-1736	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	829.80	63.66
			<i>For Galvanized Fittings, Add</i>	132.18	
			<i>For 300 LB Rating, Add</i>	110.15	
23 21 13	23-1737	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	966.80	85.98
			<i>For Galvanized Fittings, Add</i>	150.81	
			<i>For 300 LB Rating, Add</i>	125.68	
23 21 13	23-1738	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,330.97	116.40
			<i>For Galvanized Fittings, Add</i>	208.17	
			<i>For 300 LB Rating, Add</i>	173.48	
23 21 13	23-1739	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,099.11	141.33
			<i>For Galvanized Fittings, Add</i>	339.71	
			<i>For 300 LB Rating, Add</i>	283.09	
23 21 13	23-1740	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,827.63	164.79
			<i>For Galvanized Fittings, Add</i>	464.49	
			<i>For 300 LB Rating, Add</i>	387.07	
23 21 13	23-1741	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	3,339.66	197.82
			<i>For Galvanized Fittings, Add</i>	547.75	
			<i>For 300 LB Rating, Add</i>	456.46	
23 21 13	23-1742	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	5,015.94	219.80
			<i>For Galvanized Fittings, Add</i>	843.55	
			<i>For 300 LB Rating, Add</i>	702.96	
23 21 13	23-1743	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	5,998.86	329.70
			<i>For Galvanized Fittings, Add</i>	990.82	
			<i>For 300 LB Rating, Add</i>	825.68	
23 21 13	23-1744	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	6,330.70	395.65
			<i>For Galvanized Fittings, Add</i>	1,032.76	
			<i>For 300 LB Rating, Add</i>	860.63	
23 21 13	23-1745	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	10,557.04	439.60
			<i>For Galvanized Fittings, Add</i>	1,781.63	
			<i>For 300 LB Rating, Add</i>	1,484.70	
23 21 13	23-1746		Grooved Concentric Reducers <small>(23 21 13 23-1727)</small>		
			Note: Victaulic No. 50		
23 21 13	23-1747	EA	1-1/4" x 3/4", Grooved Concentric Reducer.....	379.70	13.67
			<i>For Galvanized Fittings, Add</i>	15.80	
23 21 13	23-1748	EA	1-1/4" x 1", Grooved Concentric Reducer.....	397.03	14.46
			<i>For Galvanized Fittings, Add</i>	16.52	
23 21 13	23-1749	EA	1-1/2" x 3/4", Grooved Concentric Reducer.....	447.31	15.60
			<i>For Galvanized Fittings, Add</i>	50.96	
23 21 13	23-1750	EA	1-1/2" x 1", Grooved Concentric Reducer.....	115.27	16.29
			<i>For Galvanized Fittings, Add</i>	10.91	
23 21 13	23-1751	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer.....	377.02	17.09
			<i>For Galvanized Fittings, Add</i>	42.24	
23 21 13	23-1752	EA	2" x 3/4", Grooved Concentric Reducer.....	118.70	18.56
			<i>For Galvanized Fittings, Add</i>	10.91	
23 21 13	23-1753	EA	2" x 1", Grooved Concentric Reducer.....	119.83	19.36
			<i>For Galvanized Fittings, Add</i>	10.91	
23 21 13	23-1754	EA	2" x 1-1/4", Grooved Concentric Reducer.....	130.08	20.16
			<i>For Galvanized Fittings, Add</i>	12.01	
23 21 13	23-1755	EA	2" x 1-1/2", Grooved Concentric Reducer.....	124.46	22.44
			<i>For Galvanized Fittings, Add</i>	10.91	
23 21 13	23-1756	EA	2-1/2" x 3/4", Grooved Concentric Reducer.....	770.33	20.96
			<i>For Galvanized Fittings, Add</i>	88.82	
23 21 13	23-1757	EA	2-1/2" x 1", Grooved Concentric Reducer.....	612.18	21.75
			<i>For Galvanized Fittings, Add</i>	69.67	
23 21 13	23-1758	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer.....	558.38	22.44
			<i>For Galvanized Fittings, Add</i>	63.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1759 EA 2-1/2" x 1-1/2", Grooved Concentric Reducer.....	127.80	24.71
For Galvanized Fittings, Add	10.91	
23 21 13 23-1760 EA 2-1/2" x 2", Grooved Concentric Reducer.....	132.36	27.67
For Galvanized Fittings, Add	10.91	
23 21 13 23-1761 EA 3" x 3/4", Grooved Concentric Reducer.....	780.20	24.37
For Galvanized Fittings, Add	113.04	
23 21 13 23-1762 EA 3" x 1", Grooved Concentric Reducer.....	137.80	25.06
For Galvanized Fittings, Add	15.24	
23 21 13 23-1763 EA 3" x 1-1/4", Grooved Concentric Reducer.....	614.73	25.86
For Galvanized Fittings, Add	87.56	
23 21 13 23-1764 EA 3" x 1-1/2", Grooved Concentric Reducer.....	576.83	27.67
For Galvanized Fittings, Add	81.36	
23 21 13 23-1765 EA 3" x 2", Grooved Concentric Reducer.....	125.76	30.75
For Galvanized Fittings, Add	12.11	
23 21 13 23-1766 EA 3" x 2-1/2", Grooved Concentric Reducer.....	164.69	36.67
For Galvanized Fittings, Add	16.68	
23 21 13 23-1767 EA 3-1/2" x 3", Grooved Concentric Reducer.....	176.15	39.52
For Galvanized Fittings, Add	17.77	
23 21 13 23-1768 EA 4" x 1", Grooved Concentric Reducer.....	167.23	31.09
For Galvanized Fittings, Add	20.67	
23 21 13 23-1769 EA 4" x 1-1/4", Grooved Concentric Reducer.....	1,000.70	31.89
For Galvanized Fittings, Add	163.42	
23 21 13 23-1770 EA 4" x 1-1/2", Grooved Concentric Reducer.....	779.16	33.83
For Galvanized Fittings, Add	124.93	
23 21 13 23-1771 EA 4" x 2", Grooved Concentric Reducer.....	161.26	36.90
For Galvanized Fittings, Add	18.18	
23 21 13 23-1772 EA 4" x 2-1/2", Grooved Concentric Reducer.....	192.12	39.52
For Galvanized Fittings, Add	22.79	
23 21 13 23-1773 EA 4" x 3", Grooved Concentric Reducer.....	196.67	42.60
For Galvanized Fittings, Add	22.79	
23 21 13 23-1774 EA 4" x 3-1/2", Grooved Concentric Reducer.....	201.23	45.56
For Galvanized Fittings, Add	22.79	
23 21 13 23-1775 EA 5" x 2", Grooved Concentric Reducer.....	1,405.33	42.93
For Galvanized Fittings, Add	229.98	
23 21 13 23-1776 EA 5" x 2-1/2", Grooved Concentric Reducer.....	1,108.76	45.56
For Galvanized Fittings, Add	178.43	
23 21 13 23-1777 EA 5" x 3", Grooved Concentric Reducer.....	228.44	48.63
For Galvanized Fittings, Add	26.68	
23 21 13 23-1778 EA 5" x 4", Grooved Concentric Reducer.....	267.78	54.66
For Galvanized Fittings, Add	31.86	
23 21 13 23-1779 EA 6" x 1", Grooved Concentric Reducer.....	316.53	46.36
For Galvanized Fittings, Add	46.10	
23 21 13 23-1780 EA 6" x 1-1/2", Grooved Concentric Reducer.....	1,483.39	48.97
For Galvanized Fittings, Add	263.09	
23 21 13 23-1781 EA 6" x 2", Grooved Concentric Reducer.....	325.06	52.05
For Galvanized Fittings, Add	46.10	
23 21 13 23-1782 EA 6" x 2-1/2", Grooved Concentric Reducer.....	1,499.97	54.66
For Galvanized Fittings, Add	264.59	
23 21 13 23-1783 EA 6" x 3", Grooved Concentric Reducer.....	333.63	57.74
For Galvanized Fittings, Add	46.10	
23 21 13 23-1784 EA 6" x 4", Grooved Concentric Reducer.....	310.83	63.78
For Galvanized Fittings, Add	40.15	
23 21 13 23-1785 EA 6" x 5", Grooved Concentric Reducer.....	423.09	69.93
For Galvanized Fittings, Add	59.39	
23 21 13 23-1786 EA 8" x 3", Grooved Concentric Reducer.....	539.42	65.37
For Galvanized Fittings, Add	82.38	
23 21 13 23-1787 EA 8" x 4", Grooved Concentric Reducer.....	548.51	71.40
For Galvanized Fittings, Add	82.38	
23 21 13 23-1788 EA 8" x 5", Grooved Concentric Reducer.....	557.63	77.45
For Galvanized Fittings, Add	82.38	
23 21 13 23-1789 EA 8" x 6", Grooved Concentric Reducer.....	692.79	86.55
For Galvanized Fittings, Add	105.05	
23 21 13 23-1790 EA 10" x 4", Grooved Concentric Reducer.....	1,170.12	79.38
For Galvanized Fittings, Add	196.13	
23 21 13 23-1791 EA 10" x 5", Grooved Concentric Reducer.....	2,445.12	85.42
For Galvanized Fittings, Add	432.35	
23 21 13 23-1792 EA 10" x 6", Grooved Concentric Reducer.....	1,291.23	94.52
For Galvanized Fittings, Add	214.49	
23 21 13 23-1793 EA 10" x 8", Grooved Concentric Reducer.....	1,302.59	102.16
For Galvanized Fittings, Add	214.49	
23 21 13 23-1794 EA 12" x 4", Grooved Concentric Reducer.....	3,615.00	90.43
For Galvanized Fittings, Add	521.92	
23 21 13 23-1795 EA 12" x 6", Grooved Concentric Reducer.....	1,529.22	105.58
For Galvanized Fittings, Add	205.64	
23 21 13 23-1796 EA 12" x 8", Grooved Concentric Reducer.....	2,229.04	113.20
For Galvanized Fittings, Add	308.91	
23 21 13 23-1797 EA 12" x 10", Grooved Concentric Reducer.....	2,241.07	121.18
For Galvanized Fittings, Add	308.91	
23 21 13 23-1798 EA 14" x 6", Grooved Concentric Reducer.....	7,158.00	113.77
For Galvanized Fittings, Add	214.51	
23 21 13 23-1799 EA 14" x 8", Grooved Concentric Reducer.....	4,283.39	121.41
For Galvanized Fittings, Add	125.91	
23 21 13 23-1800 EA 14" x 10", Grooved Concentric Reducer.....	3,656.89	129.38
For Galvanized Fittings, Add	106.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1801	EA	14" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,673.37 106.31	140.31
23 21	13 23-1802	EA	16" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,513.37 194.00	129.49
23 21	13 23-1803	EA	16" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,048.58 179.36	137.46
23 21	13 23-1804	EA	16" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,597.76 165.02	148.51
23 21	13 23-1805	EA	16" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,610.06 165.02	156.71
23 21	13 23-1806	EA	18" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,467.45 253.27	145.09
23 21	13 23-1807	EA	18" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,672.54 228.37	156.02
23 21	13 23-1808	EA	18" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,980.40 206.74	164.23
23 21	13 23-1809	EA	18" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,992.71 206.74	172.53
23 21	13 23-1810	EA	20" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	9,317.28 279.19	148.85
23 21	13 23-1811	EA	20" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,993.08 238.03	159.89
23 21	13 23-1812	EA	20" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,005.38 238.03	168.10
23 21	13 23-1813	EA	20" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,142.75 211.17	176.18
23 21	13 23-1814	EA	20" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,610.84 225.19	183.81
23 21	13 23-1815	EA	24" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	20,513.29 622.14	165.59
23 21	13 23-1816	EA	24" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	20,040.47 607.11	176.64
23 21	13 23-1817	EA	24" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	17,470.42 527.84	184.73
23 21	13 23-1818	EA	24" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	17,482.80 527.84	193.03
23 21	13 23-1819	EA	24" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	14,976.24 450.54	200.55
23 21	13 23-1820	EA	24" x 20", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	13,682.12 410.63	204.43
23 21 13 23-1821 Grooved Eccentric Reducers (23 21 13 23-1727)					
Note: Victaulic No. 51					
23 21	13 23-1822	EA	1-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	461.94 52.72	15.60
23 21	13 23-1823	EA	1-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	420.38 47.59	16.29
23 21	13 23-1824	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	412.88 46.55	17.09
23 21	13 23-1825	EA	2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	880.15 102.44	18.56
23 21	13 23-1826	EA	2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	466.20 52.55	19.36
23 21	13 23-1827	EA	2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	509.43 57.61	20.16
23 21	13 23-1828	EA	2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	434.85 48.22	22.44
23 21	13 23-1829	EA	2-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,143.92 133.72	20.96
23 21	13 23-1830	EA	2-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,068.99 124.58	21.75
23 21	13 23-1831	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	635.61 72.35	22.44
23 21	13 23-1832	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	513.98 57.33	24.71
23 21	13 23-1833	EA	2-1/2" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	233.70 23.09	27.67
23 21	13 23-1834	EA	3" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,149.32 133.64	25.06
23 21	13 23-1835	EA	3" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,045.17 120.98	25.86
23 21	13 23-1836	EA	3" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	593.26 66.31	27.67
23 21	13 23-1837	EA	3" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	266.92 26.54	30.75
23 21	13 23-1838	EA	3" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	275.75 26.54	36.67
23 21	13 23-1839	EA	3-1/2" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,280.74 146.83	39.52
23 21	13 23-1840	EA	4" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,300.24 386.48	31.09
23 21	13 23-1841	EA	4" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,413.61 233.74	33.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1842 EA 4" x 2", Grooved Eccentric Reducer	325.21	36.90
For Galvanized Fittings, Add	46.30	
23 21 13 23-1843 EA 4" x 2-1/2", Grooved Eccentric Reducer	329.20	39.52
For Galvanized Fittings, Add	46.30	
23 21 13 23-1844 EA 4" x 3", Grooved Eccentric Reducer	333.75	42.60
For Galvanized Fittings, Add	46.30	
23 21 13 23-1845 EA 5" x 2", Grooved Eccentric Reducer	1,567.24	42.93
For Galvanized Fittings, Add	257.74	
23 21 13 23-1846 EA 5" x 2-1/2", Grooved Eccentric Reducer	1,348.74	45.56
For Galvanized Fittings, Add	219.59	
23 21 13 23-1847 EA 5" x 3", Grooved Eccentric Reducer	1,309.64	48.63
For Galvanized Fittings, Add	212.10	
23 21 13 23-1848 EA 5" x 4", Grooved Eccentric Reducer	449.71	54.66
For Galvanized Fittings, Add	63.06	
23 21 13 23-1849 EA 6" x 1", Grooved Eccentric Reducer	2,405.76	46.36
For Galvanized Fittings, Add	435.95	
23 21 13 23-1850 EA 6" x 2", Grooved Eccentric Reducer	2,208.61	52.05
For Galvanized Fittings, Add	397.57	
23 21 13 23-1851 EA 6" x 2-1/2", Grooved Eccentric Reducer	2,619.06	54.66
For Galvanized Fittings, Add	473.42	
23 21 13 23-1852 EA 6" x 3", Grooved Eccentric Reducer	576.14	57.74
For Galvanized Fittings, Add	91.35	
23 21 13 23-1853 EA 6" x 4", Grooved Eccentric Reducer	524.19	63.78
For Galvanized Fittings, Add	79.96	
23 21 13 23-1854 EA 6" x 5", Grooved Eccentric Reducer	618.82	69.93
For Galvanized Fittings, Add	95.92	
23 21 13 23-1855 EA 8" x 3", Grooved Eccentric Reducer	2,573.49	65.37
For Galvanized Fittings, Add	461.94	
23 21 13 23-1856 EA 8" x 4", Grooved Eccentric Reducer	2,270.51	71.40
For Galvanized Fittings, Add	403.70	
23 21 13 23-1857 EA 8" x 5", Grooved Eccentric Reducer	2,130.43	77.45
For Galvanized Fittings, Add	375.86	
23 21 13 23-1858 EA 8" x 6", Grooved Eccentric Reducer	998.74	86.55
For Galvanized Fittings, Add	162.14	
23 21 13 23-1859 EA 10" x 4", Grooved Eccentric Reducer	4,089.05	79.38
For Galvanized Fittings, Add	740.81	
23 21 13 23-1860 EA 10" x 5", Grooved Eccentric Reducer	3,868.49	85.42
For Galvanized Fittings, Add	697.95	
23 21 13 23-1861 EA 10" x 6", Grooved Eccentric Reducer	2,962.37	94.52
For Galvanized Fittings, Add	526.32	
23 21 13 23-1862 EA 10" x 8", Grooved Eccentric Reducer	2,540.41	102.16
For Galvanized Fittings, Add	445.46	
23 21 13 23-1863 EA 12" x 4", Grooved Eccentric Reducer	4,172.33	90.43
For Galvanized Fittings, Add	609.16	
23 21 13 23-1864 EA 12" x 6", Grooved Eccentric Reducer	3,926.32	105.58
For Galvanized Fittings, Add	568.60	
23 21 13 23-1865 EA 12" x 8", Grooved Eccentric Reducer	3,841.30	113.20
For Galvanized Fittings, Add	554.05	
23 21 13 23-1866 EA 12" x 10", Grooved Eccentric Reducer	3,470.38	121.18
For Galvanized Fittings, Add	496.26	
23 21 13 23-1867 EA 14" x 6", Grooved Eccentric Reducer	9,678.03	113.77
For Galvanized Fittings, Add	291.88	
23 21 13 23-1868 EA 14" x 8", Grooved Eccentric Reducer	6,260.36	121.41
For Galvanized Fittings, Add	186.60	
23 21 13 23-1869 EA 14" x 10", Grooved Eccentric Reducer	5,980.11	129.38
For Galvanized Fittings, Add	177.64	
23 21 13 23-1870 EA 14" x 12", Grooved Eccentric Reducer	5,996.59	140.31
For Galvanized Fittings, Add	177.64	
23 21 13 23-1871 EA 16" x 8", Grooved Eccentric Reducer	10,693.99	129.49
For Galvanized Fittings, Add	322.34	
23 21 13 23-1872 EA 16" x 10", Grooved Eccentric Reducer	9,908.74	137.46
For Galvanized Fittings, Add	297.87	
23 21 13 23-1873 EA 16" x 12", Grooved Eccentric Reducer	9,339.55	148.51
For Galvanized Fittings, Add	279.89	
23 21 13 23-1874 EA 16" x 14", Grooved Eccentric Reducer	9,351.85	156.71
For Galvanized Fittings, Add	279.89	
23 21 13 23-1875 EA 18" x 10", Grooved Eccentric Reducer	13,413.97	145.09
For Galvanized Fittings, Add	405.13	
23 21 13 23-1876 EA 18" x 12", Grooved Eccentric Reducer	12,625.41	156.02
For Galvanized Fittings, Add	380.42	
23 21 13 23-1877 EA 18" x 14", Grooved Eccentric Reducer	11,504.51	164.23
For Galvanized Fittings, Add	345.63	
23 21 13 23-1878 EA 18" x 16", Grooved Eccentric Reducer	11,516.82	172.53
For Galvanized Fittings, Add	345.63	
23 21 13 23-1879 EA 20" x 10", Grooved Eccentric Reducer	17,612.92	148.85
For Galvanized Fittings, Add	533.87	
23 21 13 23-1880 EA 20" x 12", Grooved Eccentric Reducer	13,102.70	159.89
For Galvanized Fittings, Add	394.90	
23 21 13 23-1881 EA 20" x 14", Grooved Eccentric Reducer	12,310.85	168.10
For Galvanized Fittings, Add	370.21	
23 21 13 23-1882 EA 20" x 16", Grooved Eccentric Reducer	12,127.88	176.18
For Galvanized Fittings, Add	364.22	
23 21 13 23-1883 EA 20" x 18", Grooved Eccentric Reducer	11,684.84	183.81
For Galvanized Fittings, Add	350.26	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1884	EA	24" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	25,438.77 772.84	176.64
23 21	13 23-1885	EA	24" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	21,732.36 658.68	184.73
23 21	13 23-1886	EA	24" x 16", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	21,744.74 658.68	193.03
23 21	13 23-1887	EA	24" x 18", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	20,538.13 621.29	200.55
23 21	13 23-1888	EA	24" x 20", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	18,774.23 566.96	204.43
23 21	13 23-1889		Grooved, Close Nipple (23 21 13 23-1727) Note: Victaulic No. 143		
23 21	13 23-1890	EA	1-1/4" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	63.42 7.32 6.10 10.41	15.03
23 21	13 23-1891	EA	1-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	72.76 7.97 6.64 11.34	18.79
23 21	13 23-1892	EA	2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	90.98 9.61 8.01 13.67	24.81
23 21	13 23-1893	EA	2-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	108.65 11.36 9.46 16.15	30.07
23 21	13 23-1894		Grooved Caps (23 21 13 23-1727) Note: Victaulic No. 60		
23 21	13 23-1895	EA	1" Carbon Steel Grooved Cap	152.29	4.67
23 21	13 23-1896	EA	1-1/4" Carbon Steel Grooved Cap	154.57	5.81
23 21	13 23-1897	EA	1-1/2" Carbon Steel Grooved Cap	157.08	7.06
23 21	13 23-1898	EA	2" Carbon Steel Grooved Cap	161.51	9.34
23 21	13 23-1899	EA	2-1/2" Carbon Steel Grooved Cap	165.61	11.39
23 21	13 23-1900	EA	3" Carbon Steel Grooved Cap	170.39	13.78
23 21	13 23-1901	EA	4" Carbon Steel Grooved Cap	188.62	18.22
23 21	13 23-1902	EA	5" Carbon Steel Grooved Cap	395.31	22.66
23 21	13 23-1903	EA	6" Carbon Steel Grooved Cap	408.83	29.73
23 21	13 23-1904	EA	8" Carbon Steel Grooved Cap	735.18	35.30
23 21	13 23-1905	EA	10" Carbon Steel Grooved Cap	1,241.34	41.22
23 21	13 23-1906	EA	12" Carbon Steel Grooved Cap	2,125.29	49.43
23 21	13 23-1907		Grooved Couplings (23 21 13 23-1484)		
23 21	13 23-1908		Flexible Grooved Coupling (23 21 13 23-1907) Note: Victaulic Style 77		
23 21	13 23-1909	EA	3/4" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	24.56 4.27	6.15
23 21	13 23-1910	EA	1" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	24.56 4.27	6.15
23 21	13 23-1911	EA	1-1/4" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	31.91 5.68	7.74
23 21	13 23-1912	EA	1-1/2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	36.05 6.21	9.22
23 21	13 23-1913	EA	2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	42.04 6.56	12.42
23 21	13 23-1914	EA	2-1/2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	50.72 7.85	15.15
23 21	13 23-1915	EA	3" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	55.12 7.85	18.11
23 21	13 23-1916	EA	3-1/2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	77.00 12.65	21.19
23 21	13 23-1917	EA	4" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	81.45 12.65	24.15
23 21	13 23-1918	EA	5" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	114.61 19.40	30.29
23 21	13 23-1919	EA	6" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	141.21 22.93	39.52
23 21	13 23-1920	EA	8" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	204.10 37.37	47.14
23 21	13 23-1921	EA	10" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	306.59 62.12	56.49
23 21	13 23-1922	EA	12" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	345.27 70.73	61.84
23 21	13 23-1923	EA	14" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	430.42 85.92	82.46
23 21	13 23-1924	EA	16" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	550.78 112.70	98.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1925 EA 18" Grooved Standard Coupling	636.14	109.90
For Galvanized Fittings, Add	131.99	
23 21 13 23-1926 EA 20" Grooved Standard Coupling	926.92	123.68
For Galvanized Fittings, Add	207.63	
23 21 13 23-1927 EA 24" Grooved Standard Coupling	1,041.37	152.15
For Galvanized Fittings, Add	227.70	
23 21 13 23-1928 Zero-Flex® Rigid Coupling (23 21 13 23-1907)		
Note: Victaulic Style 07		
23 21 13 23-1929 EA 1" Grooved Rigid Coupling	30.52	6.15
For Galvanized Fittings, Add	5.20	
23 21 13 23-1930 EA 1-1/4" Grooved Rigid Coupling	32.84	7.74
For Galvanized Fittings, Add	5.20	
23 21 13 23-1931 EA 1-1/2" Grooved Rigid Coupling	35.09	9.22
For Galvanized Fittings, Add	5.20	
23 21 13 23-1932 EA 2" Grooved Rigid Coupling	40.36	12.42
For Galvanized Fittings, Add	5.33	
23 21 13 23-1933 EA 2-1/2" Grooved Rigid Coupling	47.75	15.15
For Galvanized Fittings, Add	6.14	
23 21 13 23-1934 EA 3" Grooved Rigid Coupling	52.15	18.11
For Galvanized Fittings, Add	6.14	
23 21 13 23-1935 EA 3-1/2" Grooved Rigid Coupling	61.12	21.19
For Galvanized Fittings, Add	7.18	
23 21 13 23-1936 EA 4" Grooved Rigid Coupling	77.80	24.15
For Galvanized Fittings, Add	10.17	
23 21 13 23-1937 EA 5" Grooved Rigid Coupling	99.27	30.29
For Galvanized Fittings, Add	13.21	
23 21 13 23-1938 EA 6" Grooved Rigid Coupling	131.41	39.52
For Galvanized Fittings, Add	17.66	
23 21 13 23-1939 EA 8" Grooved Rigid Coupling	184.19	47.14
For Galvanized Fittings, Add	27.82	
23 21 13 23-1940 EA 10" Grooved Rigid Coupling	288.25	56.49
For Galvanized Fittings, Add	49.86	
23 21 13 23-1941 EA 12" Grooved Rigid Coupling	320.41	61.84
For Galvanized Fittings, Add	55.79	
23 21 13 23-1942 EA 14" Grooved Rigid Coupling	421.10	82.46
For Galvanized Fittings, Add	72.89	
23 21 13 23-1943 EA 16" Grooved Rigid Coupling	536.34	98.97
For Galvanized Fittings, Add	95.07	
23 21 13 23-1944 EA 18" Grooved Rigid Coupling	613.35	109.90
For Galvanized Fittings, Add	109.90	
23 21 13 23-1945 EA 20" Grooved Rigid Coupling	719.45	123.68
For Galvanized Fittings, Add	130.85	
23 21 13 23-1946 EA 24" Grooved Rigid Coupling	1,014.80	152.15
For Galvanized Fittings, Add	192.73	
23 21 13 23-1947 Large Diameter Grooved Coupling (23 21 13 23-1907)		
Note: Victaulic Style 770		
23 21 13 23-1948 EA 28" Grooved Coupling	989.31	30.29
For Galvanized Fittings, Add	132.16	
23 21 13 23-1949 EA 30" Grooved Coupling	1,146.12	39.52
For Galvanized Fittings, Add	152.15	
23 21 13 23-1950 EA 32" Grooved Coupling	1,698.18	47.14
For Galvanized Fittings, Add	227.86	
23 21 13 23-1951 EA 36" Grooved Coupling	2,253.04	56.49
For Galvanized Fittings, Add	303.56	
23 21 13 23-1952 EA 42" Grooved Coupling	4,477.87	61.84
For Galvanized Fittings, Add	613.93	
23 21 13 23-1953 Flexible Coupling (23 21 13 23-1907)		
Note: Victaulic Style 75		
23 21 13 23-1954 EA 1-1/2" Grooved Flexible Coupling	33.16	9.22
For Galvanized Fittings, Add	4.94	
23 21 13 23-1955 EA 2" Grooved Flexible Coupling	38.39	12.42
For Galvanized Fittings, Add	5.06	
23 21 13 23-1956 EA 2-1/2" Grooved Flexible Coupling	45.59	15.15
For Galvanized Fittings, Add	5.87	
23 21 13 23-1957 EA 3" Grooved Flexible Coupling	53.72	18.11
For Galvanized Fittings, Add	6.82	
23 21 13 23-1958 EA 3-1/2" Grooved Flexible Coupling	69.57	21.19
For Galvanized Fittings, Add	9.66	
23 21 13 23-1959 EA 4" Grooved Flexible Coupling	74.02	24.15
For Galvanized Fittings, Add	9.66	
23 21 13 23-1960 EA 5" Grooved Flexible Coupling	99.81	30.29
For Galvanized Fittings, Add	13.94	
23 21 13 23-1961 EA 6" Grooved Flexible Coupling	124.94	39.52
For Galvanized Fittings, Add	16.80	
23 21 13 23-1962 EA 8" Grooved Flexible Coupling	173.77	47.14
For Galvanized Fittings, Add	26.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-1963 Installation-Ready™ Coupling (23 21 13 23-1907)

Note: Victaulic Style 009N

23 21 13 23-1964	EA		1-1/4" Ductile Iron, Installation-Ready™ Coupling.....	80.32	5.75
			<i>For Galvanized Fittings, Add</i>	18.33	
23 21 13 23-1965	EA		1-1/2" Ductile Iron, Installation-Ready™ Coupling.....	83.50	6.88
			<i>For Galvanized Fittings, Add</i>	18.71	
23 21 13 23-1966	EA		2" Ductile Iron, Installation-Ready™ Coupling.....	96.67	9.25
			<i>For Galvanized Fittings, Add</i>	21.16	
23 21 13 23-1967	EA		2-1/2" Ductile Iron, Installation-Ready™ Coupling.....	112.19	11.20
			<i>For Galvanized Fittings, Add</i>	24.38	
23 21 13 23-1968	EA		3" Ductile Iron, Installation-Ready™ Coupling.....	128.15	13.46
			<i>For Galvanized Fittings, Add</i>	27.59	
23 21 13 23-1969	EA		4" Ductile Iron, Installation-Ready™ Coupling.....	178.54	17.96
			<i>For Galvanized Fittings, Add</i>	38.74	
23 21 13 23-1970	EA		5" Ductile Iron, Installation-Ready™ Coupling.....	281.57	22.47
			<i>For Galvanized Fittings, Add</i>	63.37	
23 21 13 23-1971	EA		6" Ductile Iron, Installation-Ready™ Coupling.....	340.28	29.39
			<i>For Galvanized Fittings, Add</i>	75.71	
23 21 13 23-1972	EA		8" Ductile Iron, Installation-Ready™ Coupling.....	547.07	34.95
			<i>For Galvanized Fittings, Add</i>	126.49	

23 21 13 23-1973 Grooved Strainers And Suction Diffusers (23 21 13 23-1484)

23 21 13 23-1974 Grooved Wye Strainers (23 21 13 23-1973)

Note: Victaulic Style 732

23 21 13 23-1975	EA		2" Grooved Wye Strainer.....	2,522.16	25.06
23 21 13 23-1976	EA		2-1/2" Grooved Wye Strainer.....	2,655.54	30.41
23 21 13 23-1977	EA		3" Grooved Wye Strainer.....	2,986.64	36.44
23 21 13 23-1978	EA		4" Grooved Wye Strainer.....	3,391.02	48.63
23 21 13 23-1979	EA		5" Grooved Wye Strainer.....	4,897.74	60.82
23 21 13 23-1980	EA		6" Grooved Wye Strainer.....	5,337.30	79.03
23 21 13 23-1981	EA		8" Grooved Wye Strainer.....	8,141.70	94.19
23 21 13 23-1982	EA		10" Grooved Wye Strainer.....	13,025.88	110.13
23 21 13 23-1983	EA		12" Grooved Wye Strainer.....	22,665.04	132.22

23 21 13 23-1984 Grooved Tee Type Strainers (23 21 13 23-1973)

Note: Victaulic Style 730

23 21 13 23-1985	EA		1-1/2" Grooved Tee Type Strainer.....	1,945.79	19.02
23 21 13 23-1986	EA		2" Grooved Tee Type Strainer.....	2,491.49	25.06
23 21 13 23-1987	EA		2-1/2" Grooved Tee Type Strainer.....	2,623.66	30.41
23 21 13 23-1988	EA		3" Grooved Tee Type Strainer.....	2,950.63	36.44
23 21 13 23-1989	EA		4" Grooved Tee Type Strainer.....	3,350.19	48.63
23 21 13 23-1990	EA		5" Grooved Tee Type Strainer.....	4,838.30	60.82
23 21 13 23-1991	EA		6" Grooved Tee Type Strainer.....	5,273.21	79.03
23 21 13 23-1992	EA		8" Grooved Tee Type Strainer.....	8,042.46	94.19
23 21 13 23-1993	EA		10" Grooved Tee Type Strainer.....	11,769.88	110.13
23 21 13 23-1994	EA		12" Grooved Tee Type Strainer.....	15,136.65	132.22
23 21 13 23-1995	EA		14" Grooved Tee Type Strainer.....	53,470.79	148.85
23 21 13 23-1996	EA		16" Grooved Tee Type Strainer.....	66,426.04	164.79
23 21 13 23-1997	EA		18" Grooved Tee Type Strainer.....	87,314.47	180.05

23 21 13 23-1998 Grooved Suction Diffuser (23 21 13 23-1973)

Note: Victaulic Style 731

23 21 13 23-1999	EA		2-1/2" Grooved x 2" Flanged Suction Diffuser.....	5,137.57	28.13
23 21 13 23-2000	EA		3" Grooved x 2" Flanged Suction Diffuser.....	5,453.96	31.09
23 21 13 23-2001	EA		3" Grooved x 2-1/2" Flanged Suction Diffuser.....	3,941.82	36.44
23 21 13 23-2002	EA		3" Grooved x 3" Flanged Suction Diffuser.....	3,997.77	39.52
23 21 13 23-2003	EA		4" Grooved x 2-1/2" Flanged Suction Diffuser.....	4,330.13	39.52
23 21 13 23-2004	EA		4" Grooved x 3" Flanged Suction Diffuser.....	4,671.68	42.60
23 21 13 23-2005	EA		4" Grooved x 4" Flanged Suction Diffuser.....	5,400.53	42.60
23 21 13 23-2006	EA		5" Grooved x 4" Flanged Suction Diffuser.....	6,030.49	54.66
23 21 13 23-2007	EA		5" Grooved x 5" Flanged Suction Diffuser.....	6,336.91	57.74
23 21 13 23-2008	EA		6" Grooved x 4" Flanged Suction Diffuser.....	6,438.01	63.78
23 21 13 23-2009	EA		6" Grooved x 5" Flanged Suction Diffuser.....	7,691.76	69.93
23 21 13 23-2010	EA		6" Grooved x 6" Flanged Suction Diffuser.....	7,989.23	74.49
23 21 13 23-2011	EA		8" Grooved x 5" Flanged Suction Diffuser.....	8,197.60	77.45
23 21 13 23-2012	EA		8" Grooved x 6" Flanged Suction Diffuser.....	8,651.65	86.55
23 21 13 23-2013	EA		8" Grooved x 8" Flanged Suction Diffuser.....	14,806.21	94.19
23 21 13 23-2014	EA		10" Grooved x 8" Flanged Suction Diffuser.....	16,700.76	101.82
23 21 13 23-2015	EA		10" Grooved x 10" Flanged Suction Diffuser.....	20,098.27	105.58
23 21 13 23-2016	EA		12" Grooved x 10" Flanged Suction Diffuser.....	23,784.42	121.52
23 21 13 23-2017	EA		12" Grooved x 12" Flanged Suction Diffuser.....	33,023.61	129.15
23 21 13 23-2018	EA		14" Grooved x 10" Flanged Suction Diffuser.....	30,747.71	129.15
23 21 13 23-2019	EA		14" Grooved x 12" Flanged Suction Diffuser.....	34,341.11	140.53
23 21 13 23-2020	EA		14" Grooved x 14" Flanged Suction Diffuser.....	41,669.94	148.85
23 21 13 23-2021	EA		16" Grooved x 14" Flanged Suction Diffuser.....	42,899.12	156.48

23 21 13 23-2022 Grooved Steel Valves (23 21 13 23-1484)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2023 Grooved Butterfly Valves With Standard Trim (23 21 13 23-2022)		
23 21 13 23-2024 EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	290.82	12.42
23 21 13 23-2025 EA 2" Butterfly Valve, Grooved, With Standard Trim.....	296.69	16.29
23 21 13 23-2026 EA 3" Butterfly Valve, Grooved, With Standard Trim.....	486.71	24.15
23 21 13 23-2027 EA 4" Butterfly Valve, Grooved, With Standard Trim.....	653.71	31.78
23 21 13 23-2028 EA 6" Butterfly Valve, Grooved, With Standard Trim.....	1,426.13	52.05
23 21 13 23-2029 EA 8" Butterfly Valve, Grooved, With Standard Trim.....	1,976.42	73.23
23 21 13 23-2030 EA 10" Butterfly Valve, Grooved, With Standard Trim.....	2,967.59	98.97
23 21 13 23-2031 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-2022)		
23 21 13 23-2032 EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	436.64	12.42
23 21 13 23-2033 EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	442.51	16.29
23 21 13 23-2034 EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	684.38	24.15
23 21 13 23-2035 EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	870.83	31.78
23 21 13 23-2036 EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,665.93	52.05
23 21 13 23-2037 EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,767.12	73.23
23 21 13 23-2038 EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	4,361.03	98.97
23 21 13 23-2039 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-2022)		
Note: Victaulic No. 721		
23 21 13 23-2040 EA 1-1/2" Ball Valve, Grooved, With Standard Trim.....	245.49	12.19
23 21 13 23-2041 EA 2" Ball Valve, Grooved, With Standard Trim.....	281.33	16.74
23 21 13 23-2042 EA 2-1/2" Ball Valve, Grooved, With Standard Trim.....	641.37	20.50
23 21 13 23-2043 EA 3" Ball Valve, Grooved, With Standard Trim.....	1,051.26	24.26
23 21 13 23-2044 EA 4" Ball Valve, Grooved, With Standard Trim.....	1,636.77	31.89
23 21 13 23-2045 EA 6" Ball Valve, Grooved, With Standard Trim.....	5,086.76	52.39
23 21 13 23-2046 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-2022)		
Note: Victaulic No. 721		
23 21 13 23-2047 EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	261.46	12.19
23 21 13 23-2048 EA 2" Ball Valve, Grooved, With Stainless Steel Trim.....	447.12	16.74
23 21 13 23-2049 EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,164.14	20.50
23 21 13 23-2050 EA 3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,505.31	24.26
23 21 13 23-2051 EA 4" Ball Valve, Grooved, With Stainless Steel Trim.....	2,056.36	31.89
23 21 13 23-2052 EA 6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,606.69	52.39
23 21 13 23-2053 Grooved Check Valves (23 21 13 23-2022)		
Note: Victaulic No. 712		
23 21 13 23-2054 EA 2" Check Valve, Grooved.....	372.60	16.74
23 21 13 23-2055 EA 2-1/2" Check Valve, Grooved.....	604.51	20.50
23 21 13 23-2056 EA 3" Check Valve, Grooved.....	704.37	24.26
23 21 13 23-2057 EA 4" Check Valve, Grooved.....	998.28	31.89
23 21 13 23-2058 Grooved Vic-Check Check Valves (23 21 13 23-2022)		
Note: Victaulic No. 716		
23 21 13 23-2059 EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	483.27	20.50
23 21 13 23-2060 EA 3" "Vic-Check" Check Valve, Grooved.....	488.80	24.26
23 21 13 23-2061 EA 4" "Vic-Check" Check Valve, Grooved.....	612.64	31.89
23 21 13 23-2062 EA 6" "Vic-Check" Check Valve, Grooved.....	1,193.82	52.39
23 21 13 23-2063 EA 8" "Vic-Check" Check Valve, Grooved.....	1,633.58	72.89
23 21 13 23-2064 EA 10" "Vic-Check" Check Valve, Grooved.....	4,560.21	98.74
23 21 13 23-2065 EA 12" "Vic-Check" Check Valve, Grooved.....	5,399.95	114.00
23 21 13 23-2066 Grooved Plug Valves With Lever Operator (23 21 13 23-2022)		
Note: Victaulic No. 377		
23 21 13 23-2067 EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	1,043.72	24.26
23 21 13 23-2068 EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	1,156.31	31.89
23 21 13 23-2069 EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	2,066.35	52.39
23 21 13 23-2070 Grooved Plug Valve With Gear Operator (23 21 13 23-2022)		
Note: Victaulic No. 377		
23 21 13 23-2071 EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	1,856.21	24.26
23 21 13 23-2072 EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	1,968.88	31.89
23 21 13 23-2073 EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	2,878.92	52.39
23 21 13 23-2074 EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	3,849.93	72.89
23 21 13 23-2075 EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	6,047.17	98.74
23 21 13 23-2076 EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	8,763.62	114.00
23 21 13 23-2077 Prepare Pipe For Groove (23 21 13 23-1484)		
23 21 13 23-2078 Cut Grooved Pipe (23 21 13 23-2077)		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-2079	EA		Cut 3/4" Groove Pipe.....	11.93	
23 21 13 23-2080	EA		Cut 1" Groove Pipe.....	12.95	
23 21 13 23-2081	EA		Cut 1-1/4" Groove Pipe.....	14.62	
23 21 13 23-2082	EA		Cut 1-1/2" Groove Pipe.....	15.90	
23 21 13 23-2083	EA		Cut 2" Groove Pipe.....	17.44	
23 21 13 23-2084	EA		Cut 2-1/2" Groove Pipe.....	18.89	
23 21 13 23-2085	EA		Cut 3" Groove Pipe.....	20.61	
23 21 13 23-2086	EA		Cut 3-1/2" Groove Pipe.....	21.84	
23 21 13 23-2087	EA		Cut 4" Groove Pipe.....	23.25	
23 21 13 23-2088	EA		Cut 5" Groove Pipe.....	25.19	
23 21 13 23-2089	EA		Cut 6" Groove Pipe.....	25.91	
23 21 13 23-2090	EA		Cut 8" Groove Pipe.....	33.59	
23 21 13 23-2091	EA		Cut 10" Groove Pipe.....	47.72	
23 21 13 23-2092	EA		Cut 12" Groove Pipe.....	60.45	
23 21 13 23-2093	EA		Cut 14" Groove Pipe.....	90.67	
23 21 13 23-2094	EA		Cut 16" Groove Pipe.....	95.45	
23 21 13 23-2095	EA		Cut 18" Groove Pipe.....	100.75	
23 21 13 23-2096	EA		Cut 20" Groove Pipe.....	106.68	
23 21 13 23-2097	EA		Cut 24" Groove Pipe.....	120.90	

23 21 13 23-2098 Roll Grooved Pipe (23 21 13 23-2077)

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2099	EA		Roll 3/4" Groove.....	6.82	
23 21 13 23-2100	EA		Roll 1" Groove.....	7.95	
23 21 13 23-2101	EA		Roll 1-1/4" Groove.....	9.06	
23 21 13 23-2102	EA		Roll 1-1/2" Groove.....	10.18	
23 21 13 23-2103	EA		Roll 2" Groove.....	15.63	
23 21 13 23-2104	EA		Roll 2-1/2" Groove.....	16.49	
23 21 13 23-2105	EA		Roll 3" Groove.....	18.14	
23 21 13 23-2106	EA		Roll 3-1/2" Groove.....	19.29	
23 21 13 23-2107	EA		Roll 4" Groove.....	21.09	
23 21 13 23-2108	EA		Roll 5" Groove.....	21.59	
23 21 13 23-2109	EA		Roll 6" Groove.....	22.67	
23 21 13 23-2110	EA		Roll 8" Groove.....	27.47	
23 21 13 23-2111	EA		Roll 10" Groove.....	31.27	
23 21 13 23-2112	EA		Roll 12" Groove.....	39.43	
23 21 13 23-2113	EA		Roll 14" Groove.....	60.45	
23 21 13 23-2114	EA		Roll 16" Groove.....	64.77	
23 21 13 23-2115	EA		Roll 18" Groove.....	67.17	
23 21 13 23-2116	EA		Roll 20" Groove.....	72.54	
23 21 13 23-2117	EA		Roll 24" Groove.....	78.85	

23 21 13 23-2118 Standard Gaskets (23 21 13 23-2077)

Note: For use on replacement of existing gaskets.

23 21 13 23-2119	EA		3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	15.75	
23 21 13 23-2120	EA		1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	16.70	
23 21 13 23-2121	EA		1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	17.63	
23 21 13 23-2122	EA		1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	19.41	
23 21 13 23-2123	EA		2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	20.10	
23 21 13 23-2124	EA		2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	23.09	
23 21 13 23-2125	EA		3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	25.45	
23 21 13 23-2126	EA		3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	30.74	
23 21 13 23-2127	EA		4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	31.30	
23 21 13 23-2128	EA		5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	37.95	
23 21 13 23-2129	EA		6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	40.69	
23 21 13 23-2130	EA		8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	54.70	
23 21 13 23-2131	EA		10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	67.70	
23 21 13 23-2132	EA		12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	80.61	
23 21 13 23-2133	EA		14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	113.29	
23 21 13 23-2134	EA		16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	147.79	
23 21 13 23-2135	EA		18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	172.91	
23 21 13 23-2136	EA		20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	250.09	
23 21 13 23-2137	EA		24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	338.82	

23 21 13 23-2138 Copper Grooved-Joint Pipe Fittings (23 21 13 23)

Note: Couplings are not included with fittings.

23 21 13 23-2139 Grooved Fittings (23 21 13 23-2138)

23 21 13 23-2140 Grooved 90 Degree Elbows (23 21 13 23-2139)

23 21 13 23-2141	EA		2" Copper 90 Degree Elbow, Grooved.....	156.19	18.56
23 21 13 23-2142	EA		2-1/2" Copper 90 Degree Elbow, Grooved.....	174.10	22.66
23 21 13 23-2143	EA		3" Copper 90 Degree Elbow, Grooved.....	235.33	27.44
23 21 13 23-2144	EA		4" Copper 90 Degree Elbow, Grooved.....	486.55	36.21
23 21 13 23-2145	EA		5" Copper 90 Degree Elbow, Grooved.....	1,264.19	45.33
23 21 13 23-2146	EA		6" Copper 90 Degree Elbow, Grooved.....	1,991.39	59.33
23 21 13 23-2147	EA		8" Copper 90 Degree Elbow, Grooved.....	3,656.96	70.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2148 Grooved 45 Degree Elbows (23 21 13 23-2139)					
		EA	2" Copper 45 Degree Elbow, Grooved.....	156.19	18.56
		EA	2-1/2" Copper 45 Degree Elbow, Grooved.....	174.10	22.66
		EA	3" Copper 45 Degree Elbow, Grooved.....	235.33	27.44
		EA	4" Copper 45 Degree Elbow, Grooved.....	486.55	36.21
		EA	5" Copper 45 Degree Elbow, Grooved.....	1,264.19	45.33
		EA	6" Copper 45 Degree Elbow, Grooved.....	1,991.39	59.33
		EA	8" Copper 45 Degree Elbow, Grooved.....	3,656.96	70.61
23 21 13 23-2156 Grooved Tees (23 21 13 23-2139)					
		EA	2" Copper Tee, Grooved.....	249.78	27.33
		EA	2-1/2" Copper Tee, Grooved.....	274.16	33.60
		EA	3" Copper Tee, Grooved.....	390.48	41.22
		EA	4" Copper Tee, Grooved.....	782.01	53.30
		EA	5" Copper Tee, Grooved.....	3,111.24	69.70
		EA	6" Copper Tee, Grooved.....	2,509.04	87.24
		EA	8" Copper Tee, Grooved.....	4,380.61	105.92
23 21 13 23-2164 Grooved Reducing Tees (23 21 13 23-2139)					
		EA	2-1/2" Copper Tee, Reducing, Grooved.....	375.75	33.60
		EA	3" Copper Tee, Reducing, Grooved.....	606.18	41.22
		EA	4" Copper Tee, Reducing, Grooved.....	993.90	53.41
		EA	5" Copper Tee, Reducing, Grooved.....	2,847.32	69.81
		EA	6" Copper Tee, Reducing, Grooved.....	3,480.46	87.24
23 21 13 23-2170 Grooved X Cup Reducing Tees (23 21 13 23-2139)					
		EA	2" Copper Tee, Reducing, Grooved X Cup.....	304.11	27.33
		EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	376.86	33.60
		EA	3" Copper Tee, Reducing, Grooved X Cup.....	655.07	41.22
		EA	4" Copper Tee, Reducing, Grooved X Cup.....	993.90	53.30
23 21 13 23-2175 Grooved Flanged Adapter Nipples (23 21 13 23-2139)					
		EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	553.77	20.16
		EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	583.54	24.48
		EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	618.49	29.27
		EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	692.75	39.41
		EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	920.68	47.72
		EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,026.92	64.46
23 21 13 23-2182 Grooved Concentric Reducers (23 21 13 23-2139)					
		EA	2-1/2" x 2" Copper Concentric Reducer, Grooved.....	212.17	20.72
		EA	3" x 2" Copper Concentric Reducer, Grooved.....	216.72	23.12
		EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	225.55	27.44
		EA	4" x 2" Copper Concentric Reducer, Grooved.....	404.06	27.67
		EA	4" x 2-1/2" Copper Concentric Reducer, Grooved.....	408.05	29.61
		EA	4" x 3" Copper Concentric Reducer, Grooved.....	412.60	31.89
		EA	5" x 3" Copper Concentric Reducer, Grooved.....	1,054.09	36.44
		EA	5" x 4" Copper Concentric Reducer, Grooved.....	1,063.20	41.00
		EA	6" x 3" Copper Concentric Reducer, Grooved.....	1,148.72	43.27
		EA	6" x 4" Copper Concentric Reducer, Grooved.....	1,157.82	47.83
		EA	6" x 5" Copper Concentric Reducer, Grooved.....	1,166.94	52.39
		EA	8" x 6" Copper Concentric Reducer, Grooved.....	1,993.91	64.92
23 21 13 23-2195 Grooved X Cup Concentric Reducers (23 21 13 23-2139)					
		EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	170.31	14.58
		EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	171.45	15.15
		EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	174.94	16.85
		EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	205.31	16.29
		EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	206.45	16.85
		EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	209.79	18.56
		EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	214.35	20.72
		EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	256.16	20.72
		EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	260.71	23.12
		EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	453.50	27.56
23 21 13 23-2206 Grooved Standard Couplings (23 21 13 23-2139)					
		EA	2" Copper Standard Coupling, Grooved.....	59.63	9.34
		EA	2-1/2" Copper Standard Coupling, Grooved.....	69.69	11.39
		EA	3" Copper Standard Coupling, Grooved.....	78.82	13.55
		EA	4" Copper Standard Coupling, Grooved.....	115.48	18.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2211	EA		5" Copper Standard Coupling, Grooved	180.09	22.66
23 21 13 23-2212	EA		6" Copper Standard Coupling, Grooved	237.30	29.61
23 21 13 23-2213	EA		8" Copper Standard Coupling, Grooved	347.70	35.30
23 21 13 23-2214			Grooved Caps (23 21 13 23-2139)		
23 21 13 23-2215	EA		2" Copper Cap, Grooved	100.63	9.34
23 21 13 23-2216	EA		2-1/2" Copper Cap, Grooved	144.38	11.39
23 21 13 23-2217	EA		3" Copper Cap, Grooved	178.10	13.55
23 21 13 23-2218	EA		4" Copper Cap, Grooved	262.83	18.11
23 21 13 23-2219	EA		5" Copper Cap, Grooved	447.04	22.66
23 21 13 23-2220	EA		6" Copper Cap, Grooved	521.67	29.61
23 21 13 23-2221			Grooved Valves (23 21 13 23-2138)		
23 21 13 23-2222			Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2221)		
			Note: Copper body.		
23 21 13 23-2223	EA		2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	479.98	12.19
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2224	EA		3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	546.46	18.11
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2225	EA		4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	722.34	23.80
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2226	EA		6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	964.78	39.06
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2227	EA		8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,065.07	54.89
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2228			Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2221)		
			Note: Copper body.		
23 21 13 23-2229	EA		2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	586.04	12.19
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2230	EA		3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	652.59	18.11
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2231	EA		4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	828.47	23.80
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2232	EA		6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,070.98	39.06
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2233	EA		8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,171.20	54.89
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2234			Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
			Note: Socket or back weld.		
23 21 13 23-2235			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2234)		
			Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2236			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2235)		
23 21 13 23-2237	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.66	3.25
			For Work In Restricted Working Space, Add	1.47	
23 21 13 23-2238	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.09	4.06
			For Work In Restricted Working Space, Add	1.83	
23 21 13 23-2239	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.94	4.33
			For Work In Restricted Working Space, Add	1.95	
23 21 13 23-2240	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.88	4.67
			For Work In Restricted Working Space, Add	2.10	
23 21 13 23-2241	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	9.26	4.75
			For Work In Restricted Working Space, Add	2.13	
23 21 13 23-2242	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	11.45	5.68
			For Work In Restricted Working Space, Add	2.56	
23 21 13 23-2243	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	14.75	6.75
			For Work In Restricted Working Space, Add	3.04	
23 21 13 23-2244	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	18.26	8.16
			For Work In Restricted Working Space, Add	3.68	
23 21 13 23-2245	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	27.03	12.25
			For Work In Restricted Working Space, Add	5.51	
23 21 13 23-2246	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	39.60	16.33
			For Work In Restricted Working Space, Add	7.35	
23 21 13 23-2247	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	52.14	19.46
			For Work In Restricted Working Space, Add	8.76	
23 21 13 23-2248	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	102.82	21.74
			For Work In Restricted Working Space, Add	9.77	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2249 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2235)				
23 21 13 23-2250	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	19.20	12.30
	<i>For Work In Restricted Working Space, Add</i>		5.51	
23 21 13 23-2251	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	25.66	16.29
	<i>For Work In Restricted Working Space, Add</i>		7.35	
23 21 13 23-2252	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	32.45	20.27
	<i>For Work In Restricted Working Space, Add</i>		9.11	
23 21 13 23-2253	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	46.80	28.70
	<i>For Work In Restricted Working Space, Add</i>		12.89	
23 21 13 23-2254	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	52.54	32.34
	<i>For Work In Restricted Working Space, Add</i>		14.54	
23 21 13 23-2255	EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	67.97	41.11
	<i>For Work In Restricted Working Space, Add</i>		18.47	
23 21 13 23-2256	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	110.59	60.82
	<i>For Work In Restricted Working Space, Add</i>		27.33	
23 21 13 23-2257	EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	143.27	79.95
	<i>For Work In Restricted Working Space, Add</i>		35.96	
23 21 13 23-2258	EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	184.15	94.99
	<i>For Work In Restricted Working Space, Add</i>		42.71	
23 21 13 23-2259	EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	262.76	108.54
	<i>For Work In Restricted Working Space, Add</i>		48.81	
23 21 13 23-2260	EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	447.48	126.64
	<i>For Work In Restricted Working Space, Add</i>		56.94	
23 21 13 23-2261	EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	.....	669.15	188.82
	<i>For Work In Restricted Working Space, Add</i>		84.91	
23 21 13 23-2262 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2235)				
23 21 13 23-2263	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	19.62	12.30
	<i>For Work In Restricted Working Space, Add</i>		5.51	
23 21 13 23-2264	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	26.49	16.29
	<i>For Work In Restricted Working Space, Add</i>		7.35	
23 21 13 23-2265	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	33.62	20.27
	<i>For Work In Restricted Working Space, Add</i>		9.11	
23 21 13 23-2266	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	47.55	28.70
	<i>For Work In Restricted Working Space, Add</i>		12.89	
23 21 13 23-2267	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	54.20	32.34
	<i>For Work In Restricted Working Space, Add</i>		14.54	
23 21 13 23-2268	EA 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	69.05	41.11
	<i>For Work In Restricted Working Space, Add</i>		18.47	
23 21 13 23-2269	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	110.59	60.82
	<i>For Work In Restricted Working Space, Add</i>		27.33	
23 21 13 23-2270	EA 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	150.27	79.95
	<i>For Work In Restricted Working Space, Add</i>		35.96	
23 21 13 23-2271	EA 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	196.89	94.99
	<i>For Work In Restricted Working Space, Add</i>		42.71	
23 21 13 23-2272	EA 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	263.93	108.54
	<i>For Work In Restricted Working Space, Add</i>		48.81	
23 21 13 23-2273	EA 8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	433.41	126.64
	<i>For Work In Restricted Working Space, Add</i>		56.94	
23 21 13 23-2274	EA 10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	.....	669.15	188.82
	<i>For Work In Restricted Working Space, Add</i>		84.91	
23 21 13 23-2275 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2235)				
23 21 13 23-2276	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	31.37	20.27
	<i>For Work In Restricted Working Space, Add</i>		9.11	
23 21 13 23-2277	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	37.82	24.48
	<i>For Work In Restricted Working Space, Add</i>		11.02	
23 21 13 23-2278	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	50.54	32.34
	<i>For Work In Restricted Working Space, Add</i>		14.54	
23 21 13 23-2279	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	64.89	41.11
	<i>For Work In Restricted Working Space, Add</i>		18.47	
23 21 13 23-2280	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	77.56	48.97
	<i>For Work In Restricted Working Space, Add</i>		22.04	
23 21 13 23-2281	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	97.02	60.82
	<i>For Work In Restricted Working Space, Add</i>		27.33	
23 21 13 23-2282	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	139.53	79.95
	<i>For Work In Restricted Working Space, Add</i>		35.96	
23 21 13 23-2283	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	168.09	94.99
	<i>For Work In Restricted Working Space, Add</i>		42.71	
23 21 13 23-2284	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	236.43	126.64
	<i>For Work In Restricted Working Space, Add</i>		56.94	
23 21 13 23-2285	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	402.10	163.31
	<i>For Work In Restricted Working Space, Add</i>		73.48	
23 21 13 23-2286	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	668.35	202.60
	<i>For Work In Restricted Working Space, Add</i>		91.11	
23 21 13 23-2287	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Tees	.....	1,880.74	302.71
	<i>For Work In Restricted Working Space, Add</i>		136.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-2288		Schedule 40 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2235)</small>		
23 21 13	23-2289	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	39.53	25.28
			<i>For Work In Restricted Working Space, Add</i>	11.39	
23 21 13	23-2290	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	47.62	30.63
			<i>For Work In Restricted Working Space, Add</i>	13.78	
23 21 13	23-2291	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	63.85	40.43
			<i>For Work In Restricted Working Space, Add</i>	18.17	
23 21 13	23-2292	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	82.17	51.36
			<i>For Work In Restricted Working Space, Add</i>	23.09	
23 21 13	23-2293	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	98.23	61.27
			<i>For Work In Restricted Working Space, Add</i>	27.55	
23 21 13	23-2294	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	123.16	75.96
			<i>For Work In Restricted Working Space, Add</i>	34.17	
23 21 13	23-2295	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	180.65	99.99
			<i>For Work In Restricted Working Space, Add</i>	44.96	
23 21 13	23-2296	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	218.27	118.67
			<i>For Work In Restricted Working Space, Add</i>	53.39	
23 21 13	23-2297	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	310.35	158.31
			<i>For Work In Restricted Working Space, Add</i>	71.18	
23 21 13	23-2298	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	552.42	204.09
			<i>For Work In Restricted Working Space, Add</i>	91.81	
23 21 13	23-2299	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	951.04	253.06
			<i>For Work In Restricted Working Space, Add</i>	113.83	
23 21 13	23-2300	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,804.37	378.56
			<i>For Work In Restricted Working Space, Add</i>	170.28	
23 21 13	23-2301		Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2235)</small>		
23 21 13	23-2302	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	19.81	12.53
			<i>For Work In Restricted Working Space, Add</i>	5.72	
23 21 13	23-2303	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	25.96	16.06
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 21 13	23-2304	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	34.68	21.52
			<i>For Work In Restricted Working Space, Add</i>	9.78	
23 21 13	23-2305	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	42.80	26.77
			<i>For Work In Restricted Working Space, Add</i>	12.19	
23 21 13	23-2306	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	52.56	32.23
			<i>For Work In Restricted Working Space, Add</i>	14.67	
23 21 13	23-2307	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	73.69	44.76
			<i>For Work In Restricted Working Space, Add</i>	20.36	
23 21 13	23-2308	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	102.51	61.84
			<i>For Work In Restricted Working Space, Add</i>	28.13	
23 21 13	23-2309	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	136.28	76.87
			<i>For Work In Restricted Working Space, Add</i>	34.97	
23 21 13	23-2310	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	184.61	89.51
			<i>For Work In Restricted Working Space, Add</i>	40.67	
23 21 13	23-2311	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	438.61	103.41
			<i>For Work In Restricted Working Space, Add</i>	47.00	
23 21 13	23-2312	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	523.13	138.72
			<i>For Work In Restricted Working Space, Add</i>	63.04	
23 21 13	23-2313		Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2235)</small>		
23 21 13	23-2314	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	20.12	12.30
			<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13	23-2315	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	26.24	16.29
			<i>For Work In Restricted Working Space, Add</i>	7.35	
23 21 13	23-2316	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	32.53	20.27
			<i>For Work In Restricted Working Space, Add</i>	9.11	
23 21 13	23-2317	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	46.30	28.70
			<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13	23-2318	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	52.29	32.34
			<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13	23-2319	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	66.80	41.11
			<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13	23-2320	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	98.69	60.82
			<i>For Work In Restricted Working Space, Add</i>	27.33	
23 21 13	23-2321	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	128.62	79.95
			<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 13	23-2322	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	162.09	94.99
			<i>For Work In Restricted Working Space, Add</i>	42.71	
23 21 13	23-2323		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2235)</small>		
23 21 13	23-2324	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	20.70	12.30
			<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13	23-2325	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	26.82	16.29
			<i>For Work In Restricted Working Space, Add</i>	7.35	
23 21 13	23-2326	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.70	20.27
			<i>For Work In Restricted Working Space, Add</i>	9.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2327 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	46.97 12.89	28.70
23 21 13 23-2328 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	53.79 14.54	32.34
23 21 13 23-2329 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	68.14 18.47	41.11
23 21 13 23-2330 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	100.18 27.33	60.82
23 21 13 23-2331 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	133.20 35.96	79.95
23 21 13 23-2332 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	159.43 42.71	94.99
 23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2235)</small>		
23 21 13 23-2334 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	19.20 5.51	12.30
23 21 13 23-2335 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	25.57 7.35	16.29
23 21 13 23-2336 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	31.62 9.11	20.27
23 21 13 23-2337 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	44.97 12.89	28.70
23 21 13 23-2338 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	50.79 14.54	32.34
23 21 13 23-2339 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	64.72 18.47	41.11
23 21 13 23-2340 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	104.84 27.33	60.82
23 21 13 23-2341 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	138.36 35.96	79.95
23 21 13 23-2342 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	172.91 42.71	94.99
 23 21 13 23-2343 Schedule 40 Polyvinyl Chloride (PVC) P-Traps <small>(23 21 13 23-2235)</small>		
23 21 13 23-2344 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	31.14 7.52	16.74
 23 21 13 23-2345 Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2235)</small>		
23 21 13 23-2346 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	18.87 5.51	12.30
23 21 13 23-2347 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	25.16 7.35	16.29
23 21 13 23-2348 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	31.62 9.11	20.27
23 21 13 23-2349 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	44.64 12.89	28.70
23 21 13 23-2350 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	50.29 14.54	32.34
23 21 13 23-2351 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	64.39 18.47	41.11
23 21 13 23-2352 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	97.44 27.33	60.82
23 21 13 23-2353 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	129.79 35.96	79.95
23 21 13 23-2354 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	156.76 42.71	94.99
23 21 13 23-2355 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	208.31 48.81	108.54
23 21 13 23-2356 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	275.06 56.94	126.64
23 21 13 23-2357 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	594.73 61.04	135.76
 23 21 13 23-2358 Schedule 40 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2235)</small>		
23 21 13 23-2359 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	39.41 9.11	20.27
23 21 13 23-2360 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	50.81 11.02	24.48
23 21 13 23-2361 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	64.19 14.54	32.34
23 21 13 23-2362 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	99.86 18.47	41.11
23 21 13 23-2363 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	113.44 22.04	48.97
23 21 13 23-2364 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	144.97 27.33	60.82
23 21 13 23-2365 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	217.62 35.96	79.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2366	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	245.93 42.77	94.99
23 21	13 23-2367	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	395.19 56.94	126.64
23 21	13 23-2368	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	520.13 73.45	163.31
23 21	13 23-2369	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	757.75 91.06	202.49
23 21	13 23-2370	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	1,125.57 113.07	251.34
23 21 13 23-2371 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2235)					
23 21	13 23-2372	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	9.05 2.51	5.54
23 21	13 23-2373	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	11.85 3.31	7.28
23 21	13 23-2374	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	15.00 4.10	8.99
23 21	13 23-2375	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	21.43 5.88	12.92
23 21	13 23-2376	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	23.81 6.54	14.35
23 21	13 23-2377	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	30.10 8.37	18.34
23 21	13 23-2378	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	48.91 12.30	27.11
23 21	13 23-2379	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	62.51 16.18	35.65
23 21	13 23-2380	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	83.71 19.22	42.25
23 21	13 23-2381	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	120.26 21.97	48.29
23 21	13 23-2382	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	242.77 25.63	56.37
23 21	13 23-2383	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	709.55 38.21	84.04
23 21 13 23-2384 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2235)					
23 21	13 23-2385	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	47.10 9.11	20.27
23 21	13 23-2386	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	62.38 11.02	24.48
23 21	13 23-2387	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	77.01 14.54	32.34
23 21	13 23-2388	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	90.95 18.47	41.11
23 21	13 23-2389	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	103.53 22.04	48.97
23 21	13 23-2390	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	131.07 27.33	60.82
23 21	13 23-2391	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	181.57 35.96	79.95
23 21	13 23-2392	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	210.46 42.71	94.99
23 21	13 23-2393	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	276.06 56.94	126.64
23 21	13 23-2394	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	380.43 73.45	163.31
23 21	13 23-2395	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	609.48 91.06	202.49
23 21	13 23-2396	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	1,065.87 112.89	251.01
23 21 13 23-2397 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2234) Note: ASTM D1785 with D2467 fittings.					
23 21 13 23-2398 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2397)					
23 21	13 23-2399	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.88 1.47	3.30
23 21	13 23-2400	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.37 1.83	4.10
23 21	13 23-2401	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.20 2.20	4.90
23 21	13 23-2402	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.10 2.57	5.70
23 21	13 23-2403	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	12.81 2.93	6.49
23 21	13 23-2404	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	16.66 3.68	8.20
23 21	13 23-2405	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	20.04 4.04	8.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2406 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	23.40 4.41	9.79
23 21 13 23-2407 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	31.16 5.51	12.30
23 21 13 23-2408 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	48.81 7.35	16.29
23 21 13 23-2409 LF 8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	66.26 8.76	19.47
23 21 13 23-2410 LF 10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	145.59 9.43	20.96
23 21 13 23-2411 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2397)		
23 21 13 23-2412 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.37 5.51 2.76	12.30
23 21 13 23-2413 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.40 7.35 3.67	16.29
23 21 13 23-2414 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.70 9.11 4.56	20.27
23 21 13 23-2415 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.38 12.89 6.45	28.70
23 21 13 23-2416 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	57.45 14.54 7.27	32.34
23 21 13 23-2417 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	72.47 18.47 9.23	41.11
23 21 13 23-2418 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	116.67 27.33 13.67	60.82
23 21 13 23-2419 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	148.60 35.96 17.98	79.95
23 21 13 23-2420 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	185.98 42.71 21.35	94.99
23 21 13 23-2421 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	320.29 48.81 24.40	108.54
23 21 13 23-2422 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	532.40 56.94 28.47	126.64
23 21 13 23-2423 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	669.15 84.91 42.45	188.82
23 21 13 23-2424 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2397)		
23 21 13 23-2425 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.11 5.51 2.76	12.30
23 21 13 23-2426 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.23 7.35 3.67	16.29
23 21 13 23-2427 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.52 9.11 4.56	20.27
23 21 13 23-2428 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	59.79 12.89 6.45	28.70
23 21 13 23-2429 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.27 14.54 7.27	32.34
23 21 13 23-2430 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	87.29 18.47 9.23	41.11
23 21 13 23-2431 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	145.23 27.33 13.67	60.82
23 21 13 23-2432 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	185.74 35.96 17.98	79.95
23 21 13 23-2433 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	261.00 42.71 21.35	94.99
23 21 13 23-2434 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	312.06 48.81 24.40	108.54
23 21 13 23-2435 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	513.68 56.94 28.47	126.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2436	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	648.11 84.91 42.45	188.82
23 21	13 23-2437		Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2397)</small>		
23 21	13 23-2438	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.42 8.65 4.33	19.25
23 21	13 23-2439	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.73 11.02 5.51	24.48
23 21	13 23-2440	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	59.70 14.54 7.27	32.34
23 21	13 23-2441	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	92.62 18.47 9.23	41.11
23 21	13 23-2442	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	104.54 22.04 11.02	48.97
23 21	13 23-2443	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	129.99 27.33 13.67	60.82
23 21	13 23-2444	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	162.18 35.96 17.98	79.95
23 21	13 23-2445	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	195.15 42.71 21.35	94.99
23 21	13 23-2446	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	251.00 56.94 28.47	126.64
23 21	13 23-2447	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	453.98 73.48 36.74	163.31
23 21	13 23-2448	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	788.60 91.11 45.56	202.60
23 21	13 23-2449	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,880.84 136.16 68.08	302.71
23 21	13 23-2450		Schedule 80 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2397)</small>		
23 21	13 23-2451	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.48 10.81 5.41	24.03
23 21	13 23-2452	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.01 13.78 6.89	30.63
23 21	13 23-2453	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	78.20 18.17 9.09	40.43
23 21	13 23-2454	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	125.63 23.09 11.54	51.36
23 21	13 23-2455	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	140.52 27.55 13.78	61.27
23 21	13 23-2456	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	174.84 34.17 17.08	75.96
23 21	13 23-2457	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	216.16 44.96 22.48	99.99
23 21	13 23-2458	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	260.70 53.39 26.69	118.67
23 21	13 23-2459	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	333.19 71.18 35.59	158.31
23 21	13 23-2460	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	633.75 91.81 45.90	204.09
23 21	13 23-2461	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,139.54 113.83 56.91	253.06
23 21	13 23-2462	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	2,804.52 170.28 85.14	378.56
23 21	13 23-2463		Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2397)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2464 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	26.24	16.29
<i>For Work In Restricted Working Space, Add</i>	7.35	
23 21 13 23-2465 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	35.45	20.27
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 21 13 23-2466 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	50.96	28.70
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2467 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	59.37	32.34
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-2468 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	77.13	41.11
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-2469 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	118.08	60.82
<i>For Work In Restricted Working Space, Add</i>	27.33	
23 21 13 23-2470 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	162.75	79.95
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 13 23-2471 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	201.80	94.99
<i>For Work In Restricted Working Space, Add</i>	42.71	
23 21 13 23-2472 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	228.62	108.54
<i>For Work In Restricted Working Space, Add</i>	48.81	
23 21 13 23-2473 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	336.16	126.64
<i>For Work In Restricted Working Space, Add</i>	56.94	
23 21 13 23-2474 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	533.53	147.03
<i>For Work In Restricted Working Space, Add</i>	66.15	
23 21 13 23-2475 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2397)		
23 21 13 23-2476 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	18.95	12.30
<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-2477 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	27.74	16.29
<i>For Work In Restricted Working Space, Add</i>	7.35	
23 21 13 23-2478 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	35.45	20.27
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 21 13 23-2479 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	53.29	28.70
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2480 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	61.45	32.34
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-2481 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	77.46	41.11
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-2482 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	124.74	60.82
<i>For Work In Restricted Working Space, Add</i>	27.33	
23 21 13 23-2483 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	182.15	79.95
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 13 23-2484 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	238.10	94.99
<i>For Work In Restricted Working Space, Add</i>	42.71	
23 21 13 23-2485 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2397)		
23 21 13 23-2486 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	25.45	12.30
<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-2487 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	32.32	16.29
<i>For Work In Restricted Working Space, Add</i>	7.35	
23 21 13 23-2488 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	44.02	20.27
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 21 13 23-2489 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	58.96	28.70
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2490 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	71.44	32.34
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-2491 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	91.53	41.11
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-2492 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	125.24	60.82
<i>For Work In Restricted Working Space, Add</i>	27.33	
23 21 13 23-2493 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	157.76	79.95
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 13 23-2494 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	209.71	94.99
<i>For Work In Restricted Working Space, Add</i>	42.71	
23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2397)		
23 21 13 23-2496 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	23.53	12.30
<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-2497 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	32.15	16.29
<i>For Work In Restricted Working Space, Add</i>	7.35	
23 21 13 23-2498 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	41.69	20.27
<i>For Work In Restricted Working Space, Add</i>	9.11	
23 21 13 23-2499 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	61.37	28.70
<i>For Work In Restricted Working Space, Add</i>	12.89	
23 21 13 23-2500 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	71.02	32.34
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 21 13 23-2501 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	100.85	41.11
<i>For Work In Restricted Working Space, Add</i>	18.47	
23 21 13 23-2502 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	153.22	60.82
<i>For Work In Restricted Working Space, Add</i>	27.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	189.81 35.96	79.95
23 21	13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	262.57 42.71	94.99
23 21	13 23-2505		Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2397)</small>		
23 21	13 23-2506	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.86 5.51 2.76	12.30
23 21	13 23-2507	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.90 7.35 3.67	16.29
23 21	13 23-2508	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	38.03 9.11 4.56	20.27
23 21	13 23-2509	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.71 12.89 6.45	28.70
23 21	13 23-2510	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	61.11 14.54 7.27	32.34
23 21	13 23-2511	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	75.05 18.47 9.23	41.11
23 21	13 23-2512	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	124.49 27.33 13.67	60.82
23 21	13 23-2513	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	158.26 35.96 17.98	79.95
23 21	13 23-2514	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	190.48 42.71 21.35	94.99
23 21	13 23-2515	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	266.17 48.81 24.40	108.54
23 21	13 23-2516	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	330.67 56.94 28.47	126.64
23 21	13 23-2517	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	619.70 61.04 30.52	135.76
23 21	13 23-2518		Schedule 80 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2397)</small>		
23 21	13 23-2519	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	42.69 9.11	20.27
23 21	13 23-2520	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	50.98 11.02	24.48
23 21	13 23-2521	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	64.69 14.54	32.34
23 21	13 23-2522	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	102.19 18.47	41.11
23 21	13 23-2523	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	125.76 22.04	48.97
23 21	13 23-2524	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	161.96 27.33	60.82
23 21	13 23-2525	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	251.79 35.96	79.95
23 21	13 23-2526	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	312.39 42.71	94.99
23 21	13 23-2527	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	395.69 56.94	126.64
23 21	13 23-2528	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	520.13 73.45	163.31
23 21	13 23-2529	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	757.75 91.06	202.49
23 21	13 23-2530	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	1,124.98 112.89	251.01
23 21	13 23-2531		Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions <small>(23 21 13 23-2397)</small>		
23 21	13 23-2532	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	45.43	25.31
23 21	13 23-2533	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	54.30	29.27
23 21	13 23-2534	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	65.81	34.50
23 21	13 23-2535	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	88.26	41.11
23 21	13 23-2536	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	106.39	48.97
23 21	13 23-2537	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	141.37	60.82
23 21	13 23-2538	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	304.04	117.87
23 21	13 23-2539	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	329.56	130.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2397)</small>		
23 21 13 23-2541 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	16.00	5.47
For Work In Restricted Working Space, Add	2.48	
For Threaded Fittings, Add	1.24	
23 21 13 23-2542 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	19.18	7.28
For Work In Restricted Working Space, Add	3.31	
For Threaded Fittings, Add	1.65	
23 21 13 23-2543 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps	28.16	8.99
For Work In Restricted Working Space, Add	4.10	
For Threaded Fittings, Add	2.05	
23 21 13 23-2544 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	36.82	12.75
For Work In Restricted Working Space, Add	5.80	
For Threaded Fittings, Add	2.90	
23 21 13 23-2545 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	39.29	14.35
For Work In Restricted Working Space, Add	6.54	
For Threaded Fittings, Add	3.27	
23 21 13 23-2546 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps	53.91	18.34
For Work In Restricted Working Space, Add	8.31	
For Threaded Fittings, Add	4.15	
23 21 13 23-2547 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	94.86	27.11
For Work In Restricted Working Space, Add	12.30	
For Threaded Fittings, Add	6.15	
23 21 13 23-2548 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps	119.79	35.65
For Work In Restricted Working Space, Add	16.18	
For Threaded Fittings, Add	8.09	
23 21 13 23-2549 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps	169.96	42.25
For Work In Restricted Working Space, Add	19.22	
For Threaded Fittings, Add	9.61	
23 21 13 23-2550 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps	336.30	48.29
For Work In Restricted Working Space, Add	21.97	
For Threaded Fittings, Add	10.98	
23 21 13 23-2551 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps	446.82	56.37
For Work In Restricted Working Space, Add	25.63	
For Threaded Fittings, Add	12.81	
23 21 13 23-2552 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps	792.80	84.04
For Work In Restricted Working Space, Add	38.21	
For Threaded Fittings, Add	19.10	
23 21 13 23-2553 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2397)</small>		
23 21 13 23-2554 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	54.26	20.27
For Work In Restricted Working Space, Add	9.11	
For Threaded Fittings, Add	4.56	
23 21 13 23-2555 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	62.38	24.48
For Work In Restricted Working Space, Add	11.02	
For Threaded Fittings, Add	5.51	
23 21 13 23-2556 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	77.02	32.34
For Work In Restricted Working Space, Add	14.54	
For Threaded Fittings, Add	7.27	
23 21 13 23-2557 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	90.95	41.11
For Work In Restricted Working Space, Add	18.47	
For Threaded Fittings, Add	9.23	
23 21 13 23-2558 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	103.53	48.97
For Work In Restricted Working Space, Add	22.04	
For Threaded Fittings, Add	11.02	
23 21 13 23-2559 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	131.07	60.82
For Work In Restricted Working Space, Add	27.33	
For Threaded Fittings, Add	13.67	
23 21 13 23-2560 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	181.57	79.95
For Work In Restricted Working Space, Add	35.96	
For Threaded Fittings, Add	17.98	
23 21 13 23-2561 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	210.46	94.99
For Work In Restricted Working Space, Add	42.71	
For Threaded Fittings, Add	21.35	
23 21 13 23-2562 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	276.06	126.64
For Work In Restricted Working Space, Add	56.94	
For Threaded Fittings, Add	28.47	
23 21 13 23-2563 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	380.44	163.31
For Work In Restricted Working Space, Add	73.45	
For Threaded Fittings, Add	36.72	
23 21 13 23-2564 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	609.49	202.49
For Work In Restricted Working Space, Add	91.06	
For Threaded Fittings, Add	45.53	
23 21 13 23-2565 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	1,065.87	251.01
For Work In Restricted Working Space, Add	112.89	
For Threaded Fittings, Add	56.45	
23 21 13 23-2566 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2234)</small>		
Note: In place pipe.		
23 21 13 23-2567 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.18	
For Work In Restricted Working Space, Add	1.85	
23 21 13 23-2568 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.67	
For Work In Restricted Working Space, Add	2.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2569 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.51 2.25	
23 21 13 23-2570 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.89 2.37	
23 21 13 23-2571 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.35 2.51	
23 21 13 23-2572 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.18 2.75	
23 21 13 23-2573 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.90 2.97	
23 21 13 23-2574 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.68 3.50	
23 21 13 23-2575 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.76 4.73	
23 21 13 23-2576 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	22.54 6.76	
23 21 13 23-2577 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	30.05 9.02	
23 21 13 23-2578 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	36.73 11.02	
23 21 13 23-2579 Polyethylene Pipe And Fittings (23 21 13 23)		
23 21 13 23-2580 Small Diameter Tubing (23 21 13 23-2580)		
23 21 13 23-2581 Tubing (23 21 13 23-2580)		
23 21 13 23-2582 LF 1/4" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	3.73 1.03	
23 21 13 23-2583 LF 5/16" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.06 1.05	
23 21 13 23-2584 LF 3/8" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.29 1.07	
23 21 13 23-2585 LF 1/2" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.41 1.16	
23 21 13 23-2586 Chrome Plated Pipe (23 21 13 23)		
23 21 13 23-2587 Chrome Plated Nipples (23 21 13 23-2586)		
23 21 13 23-2588 Close (23 21 13 23-2587)		
23 21 13 23-2589 EA 1/4" Diameter Chrome Plated Nipple, Close	21.45	9.90
23 21 13 23-2590 EA 3/8" Diameter Chrome Plated Nipple, Close	20.71	10.75
23 21 13 23-2591 EA 1/2" Diameter Chrome Plated Nipple, Close	25.60	12.37
23 21 13 23-2592 EA 3/4" Diameter Chrome Plated Nipple, Close	33.50	15.70
23 21 13 23-2593 EA 1" Diameter Chrome Plated Nipple, Close	44.81	20.65
23 21 13 23-2594 EA 1-1/4" Diameter Chrome Plated Nipple, Close	63.40	28.81
23 21 13 23-2595 EA 1-1/2" Diameter Chrome Plated Nipple, Close	77.16	33.75
23 21 13 23-2596 EA 2" Diameter Chrome Plated Nipple, Close	99.23	42.04
23 21 13 23-2597 1-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2598 EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	22.88	10.26
23 21 13 23-2599 EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	21.84	11.13
23 21 13 23-2600 EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	26.25	12.73
23 21 13 23-2601 EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	34.67	16.07
23 21 13 23-2602 2" Nipples (23 21 13 23-2587)		
23 21 13 23-2603 EA 1/4" Diameter, 2" Length, Chrome Plated Nipple	23.80	10.75
23 21 13 23-2604 EA 3/8" Diameter, 2" Length, Chrome Plated Nipple	22.59	11.50
23 21 13 23-2605 EA 1/2" Diameter, 2" Length, Chrome Plated Nipple	28.19	13.23
23 21 13 23-2606 EA 3/4" Diameter, 2" Length, Chrome Plated Nipple	36.32	16.45
23 21 13 23-2607 EA 1" Diameter, 2" Length, Chrome Plated Nipple	47.33	21.40
23 21 13 23-2608 EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple	67.46	29.68
23 21 13 23-2609 EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple	81.84	34.62
23 21 13 23-2610 2-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2611 EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	25.14	11.13
23 21 13 23-2612 EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	23.42	12.00
23 21 13 23-2613 EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	29.38	13.60
23 21 13 23-2614 EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	37.21	16.94
23 21 13 23-2615 EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple	48.66	21.89
23 21 13 23-2616 EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	71.31	30.05
23 21 13 23-2617 EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	86.97	35.00
23 21 13 23-2618 EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple	110.45	43.28
23 21 13 23-2619 3" Nipples (23 21 13 23-2587)		
23 21 13 23-2620 EA 1/4" Diameter, 3" Length, Chrome Plated Nipple	26.18	11.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2621 EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	24.76	12.37
23 21 13 23-2622 EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	28.97	13.23
23 21 13 23-2623 EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	40.03	17.32
23 21 13 23-2624 EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	54.35	22.25
23 21 13 23-2625 EA 1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	75.53	30.54
23 21 13 23-2626 EA 1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	98.95	35.49
23 21 13 23-2627 EA 2" Diameter, 3" Length, Chrome Plated Nipple.....	119.83	43.77
23 21 13 23-2628 3-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2629 EA 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	27.35	12.00
23 21 13 23-2630 EA 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	27.03	12.73
23 21 13 23-2631 EA 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	31.90	14.47
23 21 13 23-2632 EA 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	44.18	17.68
23 21 13 23-2633 EA 1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	56.60	22.63
23 21 13 23-2634 EA 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	83.71	30.92
23 21 13 23-2635 EA 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	102.57	35.85
23 21 13 23-2636 EA 2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	127.34	44.14
23 21 13 23-2637 4" Nipples (23 21 13 23-2587)		
23 21 13 23-2638 EA 1/4" Diameter, 4" Length, Chrome Plated Nipple.....	28.52	12.37
23 21 13 23-2639 EA 3/8" Diameter, 4" Length, Chrome Plated Nipple.....	27.71	13.23
23 21 13 23-2640 EA 1/2" Diameter, 4" Length, Chrome Plated Nipple.....	32.13	13.97
23 21 13 23-2641 EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	45.85	18.17
23 21 13 23-2642 EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	58.72	23.12
23 21 13 23-2643 EA 1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	89.97	31.28
23 21 13 23-2644 EA 1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	109.99	36.23
23 21 13 23-2645 EA 2" Diameter, 4" Length, Chrome Plated Nipple.....	136.48	44.52
23 21 13 23-2646 4-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2647 EA 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	29.57	12.73
23 21 13 23-2648 EA 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	29.98	13.60
23 21 13 23-2649 EA 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	35.21	15.21
23 21 13 23-2650 EA 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	47.76	18.55
23 21 13 23-2651 EA 1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	65.95	23.50
23 21 13 23-2652 EA 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	95.96	31.78
23 21 13 23-2653 EA 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	113.31	36.72
23 21 13 23-2654 EA 2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	144.89	45.01
23 21 13 23-2655 5" Nipples (23 21 13 23-2587)		
23 21 13 23-2656 EA 1/4" Diameter, 5" Length, Chrome Plated Nipple.....	33.02	13.23
23 21 13 23-2657 EA 3/8" Diameter, 5" Length, Chrome Plated Nipple.....	31.43	13.97
23 21 13 23-2658 EA 1/2" Diameter, 5" Length, Chrome Plated Nipple.....	36.47	15.70
23 21 13 23-2659 EA 3/4" Diameter, 5" Length, Chrome Plated Nipple.....	49.59	18.92
23 21 13 23-2660 EA 1" Diameter, 5" Length, Chrome Plated Nipple.....	70.35	23.87
23 21 13 23-2661 EA 1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	101.42	32.15
23 21 13 23-2662 EA 1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	120.75	37.10
23 21 13 23-2663 EA 2" Diameter, 5" Length, Chrome Plated Nipple.....	150.35	45.38
23 21 13 23-2664 5-1/2" Nipples (23 21 13 23-2587)		
23 21 13 23-2665 EA 1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	34.09	13.60
23 21 13 23-2666 EA 3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	32.55	14.47
23 21 13 23-2667 EA 1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	39.90	16.07
23 21 13 23-2668 EA 3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	51.42	19.42
23 21 13 23-2669 EA 1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	72.70	24.36
23 21 13 23-2670 EA 1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	108.02	32.52
23 21 13 23-2671 EA 1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	126.68	37.47
23 21 13 23-2672 EA 2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	157.28	45.75
23 21 13 23-2673 6" Nipples (23 21 13 23-2587)		
23 21 13 23-2674 EA 1/4" Diameter, 6" Length, Chrome Plated Nipple.....	35.36	13.97
23 21 13 23-2675 EA 3/8" Diameter, 6" Length, Chrome Plated Nipple.....	33.22	14.84
23 21 13 23-2676 EA 1/2" Diameter, 6" Length, Chrome Plated Nipple.....	41.05	16.45
23 21 13 23-2677 EA 3/4" Diameter, 6" Length, Chrome Plated Nipple.....	52.93	19.78
23 21 13 23-2678 EA 1" Diameter, 6" Length, Chrome Plated Nipple.....	79.71	24.73
23 21 13 23-2679 EA 1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	112.11	33.02
23 21 13 23-2680 EA 1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	135.79	37.96
23 21 13 23-2681 EA 2" Diameter, 6" Length, Chrome Plated Nipple.....	163.63	46.24
23 21 13 23-2682 8" Nipples (23 21 13 23-2587)		
23 21 13 23-2683 EA 3/8" Diameter, 8" Length, Chrome Plated Nipple.....	39.48	15.70
23 21 13 23-2684 EA 1/2" Diameter, 8" Length, Chrome Plated Nipple.....	57.97	17.32
23 21 13 23-2685 EA 3/4" Diameter, 8" Length, Chrome Plated Nipple.....	70.46	20.65
23 21 13 23-2686 EA 1" Diameter, 8" Length, Chrome Plated Nipple.....	93.52	25.60

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2687	EA		1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	133.98	33.75
23 21 13 23-2688	EA		1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	164.40	38.70
23 21 13 23-2689	EA		2" Diameter, 8" Length, Chrome Plated Nipple.....	202.51	46.99
23 21 13 23-2690			10" Nipples (23 21 13 23-2587)		
23 21 13 23-2691	EA		3/8" Diameter, 10" Length, Chrome Plated Nipple.....	45.40	15.70
23 21 13 23-2692	EA		1/2" Diameter, 10" Length, Chrome Plated Nipple.....	65.42	17.32
23 21 13 23-2693	EA		3/4" Diameter, 10" Length, Chrome Plated Nipple.....	79.08	20.65
23 21 13 23-2694	EA		1" Diameter, 10" Length, Chrome Plated Nipple.....	106.57	25.60
23 21 13 23-2695	EA		1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	161.91	33.75
23 21 13 23-2696	EA		1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	185.66	38.70
23 21 13 23-2697	EA		2" Diameter, 10" Length, Chrome Plated Nipple.....	236.52	46.99
23 21 13 23-2698			12" Nipples (23 21 13 23-2587)		
23 21 13 23-2699	EA		3/8" Diameter, 12" Length, Chrome Plated Nipple.....	50.64	17.32
23 21 13 23-2700	EA		1/2" Diameter, 12" Length, Chrome Plated Nipple.....	68.48	18.17
23 21 13 23-2701	EA		3/4" Diameter, 12" Length, Chrome Plated Nipple.....	87.25	21.40
23 21 13 23-2702	EA		1" Diameter, 12" Length, Chrome Plated Nipple.....	124.92	27.20
23 21 13 23-2703	EA		1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	181.51	35.49
23 21 13 23-2704	EA		2" Diameter, 12" Length, Chrome Plated Nipple.....	266.23	48.72
23 21 13 23-2705			18" Nipples (23 21 13 23-2587)		
23 21 13 23-2706	EA		3/8" Diameter, 18" Length, Chrome Plated Nipple.....	64.32	18.17
23 21 13 23-2707			24" Nipples (23 21 13 23-2587)		
23 21 13 23-2708	EA		3/8" Diameter, 24" Length, Chrome Plated Nipple.....	77.42	18.92
23 21 13 23-2709			30" Nipples (23 21 13 23-2587)		
23 21 13 23-2710	EA		3/8" Diameter, 30" Length, Chrome Plated Nipple.....	85.81	19.78
23 21 13 23-2711			36" Nipples (23 21 13 23-2587)		
23 21 13 23-2712	EA		3/8" Diameter, 36" Length, Chrome Plated Nipple.....	94.20	20.65
23 21 13 23-2713			Chrome Plated Fittings (23 21 13 23-2586)		
23 21 13 23-2714			Chrome Plated 90 Degree Elbows (23 21 13 23-2713)		
23 21 13 23-2715	EA		1/4" 90 Degree Elbow, Chrome Plated.....	27.26	11.50
23 21 13 23-2716	EA		3/8" 90 Degree Elbow, Chrome Plated.....	27.85	12.37
23 21 13 23-2717	EA		1/2" 90 Degree Elbow, Chrome Plated.....	31.27	13.23
23 21 13 23-2718	EA		3/4" 90 Degree Elbow, Chrome Plated.....	39.96	17.32
23 21 13 23-2719	EA		1" 90 Degree Elbow, Chrome Plated.....	54.16	22.25
23 21 13 23-2720	EA		1-1/4" 90 Degree Elbow, Chrome Plated.....	82.99	30.54
23 21 13 23-2721	EA		1-1/2" 90 Degree Elbow, Chrome Plated.....	99.59	35.49
23 21 13 23-2722	EA		2" 90 Degree Elbow, Chrome Plated.....	135.94	43.77
23 21 13 23-2723			Chrome Plated Street 90 Degree Elbows (23 21 13 23-2713)		
23 21 13 23-2724	EA		1/4" Street 90 Degree Elbow, Chrome Plated.....	31.42	11.50
23 21 13 23-2725	EA		3/8" Street 90 Degree Elbow, Chrome Plated.....	32.42	12.37
23 21 13 23-2726	EA		1/2" Street 90 Degree Elbow, Chrome Plated.....	34.45	13.23
23 21 13 23-2727	EA		3/4" Street 90 Degree Elbow, Chrome Plated.....	44.65	17.32
23 21 13 23-2728	EA		1" Street 90 Degree Elbow, Chrome Plated.....	62.80	22.25
23 21 13 23-2729	EA		1-1/4" Street 90 Degree Elbow, Chrome Plated.....	91.85	30.54
23 21 13 23-2730	EA		1-1/2" Street 90 Degree Elbow, Chrome Plated.....	112.01	35.49
23 21 13 23-2731	EA		2" Street 90 Degree Elbow, Chrome Plated.....	165.15	43.77
23 21 13 23-2732			Chrome Plated 45 Degree Elbows (23 21 13 23-2713)		
23 21 13 23-2733	EA		1/4" 45 Degree Elbow, Chrome Plated.....	28.17	11.50
23 21 13 23-2734	EA		3/8" 45 Degree Elbow, Chrome Plated.....	29.17	12.37
23 21 13 23-2735	EA		1/2" 45 Degree Elbow, Chrome Plated.....	32.22	13.23
23 21 13 23-2736	EA		3/4" 45 Degree Elbow, Chrome Plated.....	43.54	17.32
23 21 13 23-2737	EA		1" 45 Degree Elbow, Chrome Plated.....	56.16	22.25
23 21 13 23-2738	EA		1-1/4" 45 Degree Elbow, Chrome Plated.....	87.80	30.54
23 21 13 23-2739	EA		1-1/2" 45 Degree Elbow, Chrome Plated.....	106.02	35.49
23 21 13 23-2740	EA		2" 45 Degree Elbow, Chrome Plated.....	153.61	43.77
23 21 13 23-2741			Chrome Plated Street 45 Degree Elbows (23 21 13 23-2713)		
23 21 13 23-2742	EA		1/2" Street 45 Degree Elbow, Chrome Plated.....	37.94	13.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2743				Chrome Plated Couplings (23 21 13 23-2713)		
			EA	1/4" Coupling, Chrome Plated	26.68	11.50
			EA	3/8" Coupling, Chrome Plated	27.92	12.37
			EA	1/2" Coupling, Chrome Plated	31.51	13.23
			EA	3/4" Coupling, Chrome Plated	40.05	17.32
			EA	1" Coupling, Chrome Plated	52.18	22.25
			EA	1-1/4" Coupling, Chrome Plated	75.79	30.54
			EA	1-1/2" Coupling, Chrome Plated	93.56	35.49
			EA	2" Coupling, Chrome Plated	128.57	43.77
23 21 13 23-2752				Chrome Plated Unions (23 21 13 23-2713)		
			EA	1/4" Union, Chrome Plated	42.41	13.23
			EA	3/8" Union, Chrome Plated	43.68	13.97
			EA	1/2" Union, Chrome Plated	52.71	15.70
			EA	3/4" Union, Chrome Plated	65.44	20.65
			EA	1" Union, Chrome Plated	82.79	26.34
			EA	1-1/4" Union, Chrome Plated	133.65	35.49
			EA	1-1/2" Union, Chrome Plated	166.26	42.04
			EA	2" Union, Chrome Plated	216.65	51.19
23 21 13 23-2761				Chrome Plated Caps (23 21 13 23-2713)		
			EA	1/4" Cap, Chrome Plated	17.79	5.82
			EA	3/8" Cap, Chrome Plated	18.41	6.18
			EA	1/2" Cap, Chrome Plated	20.99	6.55
			EA	3/4" Cap, Chrome Plated	26.21	8.65
			EA	1" Cap, Chrome Plated	31.21	11.13
			EA	1-1/4" Cap, Chrome Plated	45.99	15.21
			EA	1-1/2" Cap, Chrome Plated	60.41	17.68
			EA	2" Cap, Chrome Plated	88.09	23.12
23 21 13 23-2770				Chrome Plated Plugs (23 21 13 23-2713)		
			EA	1/4" Plug, Chrome Plated	14.61	5.82
			EA	3/8" Plug, Chrome Plated	15.23	6.18
			EA	1/2" Plug, Chrome Plated	17.65	6.55
			EA	3/4" Plug, Chrome Plated	23.83	8.65
			EA	1" Plug, Chrome Plated	29.40	11.13
			EA	1-1/4" Plug, Chrome Plated	39.72	15.21
			EA	1-1/2" Plug, Chrome Plated	48.94	17.68
			EA	2" Plug, Chrome Plated	68.15	23.12
23 21 13 23-2779				Chrome Plated Tees (23 21 13 23-2713)		
			EA	1/4" Chrome Plated Tee	37.96	17.32
			EA	3/8" Chrome Plated Tee	40.43	18.92
			EA	1/2" Chrome Plated Tee	45.02	20.65
			EA	3/4" Chrome Plated Tee	56.07	25.60
			EA	1" Chrome Plated Tee	79.47	33.02
			EA	1-1/4" Chrome Plated Tee	109.53	45.38
			EA	1-1/2" Chrome Plated Tee	139.84	52.80
			EA	2" Chrome Plated Tee	191.29	65.17
23 21 13 23-2788				Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2713)		
			EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	42.90	20.65
			EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	50.32	25.60
23 21 13 23-2791				Chrome Plated Bell Reducers (23 21 13 23-2713)		
			EA	1/2" x 3/8" Bell Reducer, Chrome Plated	46.75	20.65
			EA	3/4" x 1/2" Bell Reducer, Chrome Plated	56.94	25.60
			EA	1" x 1/2" Bell Reducer, Chrome Plated	72.39	33.02
23 21 13 23-2795				Chrome Plated Reducing Tees (23 21 13 23-2713)		
			EA	3/4" x 1/2" Reducing Tee, Chrome Plated	61.81	25.60
23 21 13 23-2797				Chrome Plated Bushings (23 21 13 23-2713)		
			EA	3/8" x 1/4" Bushing, Chrome Plated	14.51	5.82
			EA	1/2" x 1/4" Bushing, Chrome Plated	15.63	6.18
			EA	1/2" x 3/8" Bushing, Chrome Plated	16.26	6.55
			EA	3/4" x 1/2" Bushing, Chrome Plated	20.67	8.65
			EA	1" x 3/4" Bushing, Chrome Plated	30.01	11.13
			EA	1-1/4" x 1" Bushing, Chrome Plated	43.84	15.21

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-2804	Aluminum Tubing Assemblies <small>(23 21 13 23)</small>		
	Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2805	LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.39	4.33
23 21 13 23-2806	LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.97	4.95
23 21 13 23-2807	LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	14.42	5.56
23 21 13 23-2808	LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.73	6.18
23 21 13 23-2809	LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	17.45	6.81
23 21 13 23-2810	LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	20.20	7.42
23 21 13 23-2811	LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	23.70	8.54
23 21 13 23-2812	LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	29.52	9.68
23 21 13 23-2813	LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	34.36	10.82
23 21 13 23-2814	LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	41.84	11.39

23 21 16 Hydronic Piping Specialties (23 21)

23 21 16 00-0001	Vent Valves <small>(23 21 16)</small>		
23 21 16 00-0002	EA 1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	83.96	18.56
23 21 16 00-0003	EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	201.80	19.95
23 21 16 00-0004	EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75).....	192.41	19.95
23 21 16 00-0005	EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	198.98	19.95
23 21 16 00-0006	EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78).....	256.50	19.95
23 21 16 00-0007	EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79).....	189.83	19.95

23 21 16 00-0008	Threaded Inlet, Drip-Pan Elbow <small>(23 21 16)</small>		
23 21 16 00-0009	Cast Iron, Threaded Inlet, Drip-Pan Elbow <small>(23 21 16 00-0008)</small>		
23 21 16 00-0010	EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	294.63 116.35	31.18
23 21 16 00-0011	EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	332.72 124.90	36.96
23 21 16 00-0012	EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	420.19 168.50	42.73
23 21 16 00-0013	EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	631.75 296.47	48.51
23 21 16 00-0014	EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	712.96 327.73	57.75
23 21 16 00-0015	EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	993.09 478.94	72.77
23 21 16 00-0016	EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	2,259.21 1,274.46	95.86

23 21 16 00-0017	Cast Steel, Threaded Inlet, Drip-Pan Elbow <small>(23 21 16 00-0008)</small>		
23 21 16 00-0018	EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,349.64 833.75	31.18
23 21 16 00-0019	EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	1,634.76 1,010.29	36.96
23 21 16 00-0020	EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	2,386.60 1,505.66	42.73
23 21 16 00-0021	EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	2,409.97 1,505.66	48.51
23 21 16 00-0022	EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	3,534.64 2,246.48	57.75
23 21 16 00-0023	EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	3,592.40 2,246.48	72.77
23 21 16 00-0024	EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>For Flanged Inlet, Add</i>	6,058.17 3,857.75	95.86

23 21 16 00-0025 Y-Type Strainers (23 21 16)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers <small>(23 21 16 00-0025)</small>		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	83.12	13.86
For Galvanized Body, Add	21.77	
For Work In Restricted Working Space, Add	11.88	
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	83.74	14.10
For Galvanized Body, Add	21.77	
For Work In Restricted Working Space, Add	12.06	
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	106.39	19.05
For Galvanized Body, Add	25.98	
For Work In Restricted Working Space, Add	16.33	
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	135.16	22.76
For Galvanized Body, Add	35.11	
For Work In Restricted Working Space, Add	19.49	
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	176.61	28.15
For Galvanized Body, Add	48.10	
For Work In Restricted Working Space, Add	24.13	
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	202.46	30.31
For Galvanized Body, Add	57.93	
For Work In Restricted Working Space, Add	25.98	
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	277.32	34.64
For Galvanized Body, Add	89.17	
For Work In Restricted Working Space, Add	29.69	
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	524.65	43.30
For Galvanized Body, Add	200.46	
For Work In Restricted Working Space, Add	37.12	
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	678.45	54.19
For Galvanized Body, Add	261.90	
For Work In Restricted Working Space, Add	46.40	
23 21 16 00-0036 Flanged, 125 LB, Iron Body , Y-Type Strainers <small>(23 21 16 00-0025)</small>		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	423.52	129.91
For Galvanized Body, Add	130.36	
For Work In Restricted Working Space, Add	48.84	
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	488.35	164.93
For Galvanized Body, Add	141.07	
For Work In Restricted Working Space, Add	61.86	
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	935.85	210.33
For Galvanized Body, Add	336.31	
For Work In Restricted Working Space, Add	78.97	
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,205.15	352.62
For Galvanized Body, Add	381.64	
For Work In Restricted Working Space, Add	132.56	
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,297.49	355.40
For Galvanized Body, Add	426.97	
For Work In Restricted Working Space, Add	133.07	
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,555.91	394.88
For Galvanized Body, Add	530.27	
For Work In Restricted Working Space, Add	148.61	
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,715.53	504.58
For Galvanized Body, Add	1,044.37	
For Work In Restricted Working Space, Add	188.04	
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	5,423.23	614.26
For Galvanized Body, Add	2,327.71	
For Work In Restricted Working Space, Add	230.35	
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	5,937.48	548.45
For Galvanized Body, Add	2,420.30	
For Work In Restricted Working Space, Add	329.07	
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers <small>(23 21 16 00-0025)</small>		
Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	74.31	14.10
For 300 LB Rating, Add	57.97	
For Work In Restricted Working Space, Add	12.06	
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	98.76	19.05
For 300 LB Rating, Add	75.36	
For Work In Restricted Working Space, Add	16.33	
23 21 16 00-0049 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	120.79	22.76
For 300 LB Rating, Add	94.93	
For Work In Restricted Working Space, Add	19.49	
23 21 16 00-0050 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	164.31	28.15
For 300 LB Rating, Add	142.61	
For Work In Restricted Working Space, Add	24.13	
23 21 16 00-0051 EA 1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	195.57	30.31
For 300 LB Rating, Add	185.23	
For Work In Restricted Working Space, Add	25.98	
23 21 16 00-0052 EA 2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	261.22	34.64
For 300 LB Rating, Add	275.81	
For Work In Restricted Working Space, Add	29.69	
23 21 16 00-0053 EA 2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	367.14	43.30
For 300 LB Rating, Add	413.80	
For Work In Restricted Working Space, Add	37.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0054	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	659.32 857.94 46.40	54.19
23 21 16 00-0055	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,143.38 1,628.24 55.68	64.95
23 21 16 00-0056			Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057	EA		2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	629.85 254.18 61.86	164.93
23 21 16 00-0058	EA		2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	656.57 258.97 67.49	179.39
23 21 16 00-0059	EA		3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	757.49 296.55 78.97	210.33
23 21 16 00-0060	EA		4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,642.81 720.56 132.56	352.62
23 21 16 00-0061	EA		6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,315.79 1,092.25 148.61	394.88
23 21 16 00-0062	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,733.49 1,864.01 188.04	504.58
23 21 16 00-0063	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,918.15 6,690.20 230.35	614.26
23 21 16 00-0064			Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0065	EA		2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	543.46 23.87	48.75
23 21 16 00-0066	EA		2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	570.83 26.51	54.07
23 21 16 00-0067	EA		2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	579.92 27.85	56.79
23 21 16 00-0068	EA		2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,097.07 67.49	179.39
23 21 16 00-0069	EA		3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	599.54 32.34	66.07
23 21 16 00-0070	EA		3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	678.40 32.34	66.07
23 21 16 00-0071	EA		3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,148.69 73.23	195.28
23 21 16 00-0072	EA		3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,172.48 78.97	210.33
23 21 16 00-0073	EA		4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,424.15 105.77	282.05
23 21 16 00-0074	EA		4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,675.83 132.56	352.62
23 21 16 00-0075	EA		6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,918.75 133.07	354.85
23 21 16 00-0076	EA		6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,318.48 148.61	394.88
23 21 16 00-0077	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,621.55 188.04	504.58
23 21 16 00-0078	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,054.99 188.04	504.58
23 21 16 00-0079	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,632.07 230.35	614.26
23 21 16 00-0080	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	5,416.06 230.35	614.26
23 21 16 00-0081			Duplex Strainers (23 21 16)		
23 21 16 00-0082			Iron Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0083			Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0082) Note: With brass or stainless steel basket.		
23 21 16 00-0084	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	931.27 18.50	30.80
23 21 16 00-0085	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,039.83 21.17	35.26
23 21 16 00-0086	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,409.91 24.86	41.45
23 21 16 00-0087	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,775.19 27.10	45.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0088 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,379.60 33.14	55.06
23 21 16 00-0089 EA 2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,994.41 42.30	70.53
23 21 16 00-0090 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0082) Note: With brass or stainless steel basket.		
23 21 16 00-0091 EA 2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,240.79 61.86	164.93
23 21 16 00-0092 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,350.12 67.49	179.39
23 21 16 00-0093 EA 3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,294.25 78.97	210.33
23 21 16 00-0094 EA 4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,732.66 117.52	312.61
23 21 16 00-0095 EA 6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	13,177.20 148.61	394.88
23 21 16 00-0096 EA 8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	25,084.62 188.04	504.58
23 21 16 00-0097 EA 10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	34,646.42 230.35	614.26
23 21 16 00-0098 EA 12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	39,232.44 464.79	774.41
23 21 16 00-0099 EA 14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	46,751.48 329.07	877.51
23 21 16 00-0100 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	58,455.98 361.97	965.26
23 21 16 00-0101 Bronze Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0102 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0101) Note: With brass or stainless steel basket.		
23 21 16 00-0103 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,737.47 18.50	30.93
23 21 16 00-0104 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,927.56 21.17	35.26
23 21 16 00-0105 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,823.03 24.86	41.45
23 21 16 00-0106 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,713.70 27.10	45.16
23 21 16 00-0107 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,798.21 33.14	55.06
23 21 16 00-0108 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,893.12 42.30	70.53
23 21 16 00-0109 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0101) Note: With brass or stainless steel basket.		
23 21 16 00-0110 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,728.29 61.86	164.93
23 21 16 00-0111 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,928.20 67.49	179.39
23 21 16 00-0112 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,502.86 78.97	210.33
23 21 16 00-0113 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	14,975.84 117.52	312.61
23 21 16 00-0114 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	32,562.28 148.61	394.88
23 21 16 00-0115 Cast Steel Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0115) Note: With brass or stainless steel basket.		
23 21 16 00-0117 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,708.20 21.18	35.26
23 21 16 00-0118 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,335.88 24.85	41.45
23 21 16 00-0119 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,958.83 27.10	45.16
23 21 16 00-0120 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,704.48 33.14	55.06
23 21 16 00-0121 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0115) Note: With brass or stainless steel basket.		
23 21 16 00-0122 EA 2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,844.19 61.86	164.93
23 21 16 00-0123 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	7,522.33 67.49	179.39

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0124	EA		3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,890.51 78.97	210.33
23 21 16 00-0125	EA		4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	14,502.94 117.52	312.61
23 21 16 00-0126	EA		6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	24,761.36 148.61	394.88
23 21 16 00-0127	EA		8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	48,279.58 188.04	504.58
23 21 16 00-0128			Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0129			Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small> Note: With stainless steel basket.		
23 21 16 00-0130	EA		1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,494.48 21.18	35.26
23 21 16 00-0131	EA		1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	8,207.86 24.85	41.45
23 21 16 00-0132	EA		1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,904.61 27.10	45.16
23 21 16 00-0133	EA		2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,872.78 33.14	55.06
23 21 16 00-0134			Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small> Note: With stainless steel basket.		
23 21 16 00-0135	EA		2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	16,622.81 61.86	164.93
23 21 16 00-0136	EA		2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	17,474.28 67.49	179.39
23 21 16 00-0137	EA		3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	27,386.32 78.97	210.33
23 21 16 00-0138	EA		4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	33,462.86 117.52	312.61
23 21 16 00-0139	EA		6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	58,786.20 148.61	394.88
23 21 16 00-0140	EA		8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	108,643.27 188.04	504.58
23 21 16 00-0141			Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0142			Screwed Ends, Iron Body, Water Pressure Reducing Valves <small>(23 21 16 00-0141)</small> Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0143	EA		1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	231.74 18.55	15.46
23 21 16 00-0144	EA		3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	285.27 20.61	17.32
23 21 16 00-0145	EA		1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	374.68 21.82	18.55
23 21 16 00-0146	EA		1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	640.55 24.73	20.77
23 21 16 00-0147	EA		1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	868.83 29.68	24.73
23 21 16 00-0148	EA		2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,245.55 45.56	37.92
23 21 16 00-0149	EA		2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,355.17 51.25	42.71
23 21 16 00-0150	EA		3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,489.14 56.94	123.57
23 21 16 00-0151			Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0141)</small> Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152			Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0151)</small>		
23 21 16 00-0153	EA		1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	389.05 24.91	20.78
23 21 16 00-0154	EA		3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	488.03 35.35	29.45
23 21 16 00-0155	EA		1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	626.84 43.16	35.87
23 21 16 00-0156	EA		1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	837.19 50.16	43.55
23 21 16 00-0157	EA		1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,121.78 57.11	49.49
23 21 16 00-0158	EA		2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,312.53 69.30	69.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0159 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0151)</small>		
<small>Note: Single seated, spring loaded, direct acting diaphragm valve.</small>		
23 21 16 00-0160 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer.....	3,005.75	167.48
<i>For Work In Restricted Working Space, Add</i>	63.00	
23 21 16 00-0161 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,736.49	196.36
<i>For Work In Restricted Working Space, Add</i>	73.73	
23 21 16 00-0162 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,812.11	329.18
<i>For Work In Restricted Working Space, Add</i>	123.76	
23 21 16 00-0163 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	11,942.86	386.16
<i>For Work In Restricted Working Space, Add</i>	145.33	
23 21 16 00-0164 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0141)</small>		
23 21 16 00-0165 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0164)</small>		
23 21 16 00-0166 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,173.46	15.09
<i>For Work In Restricted Working Space, Add</i>	22.64	
23 21 16 00-0167 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,218.96	15.09
<i>For Work In Restricted Working Space, Add</i>	22.64	
23 21 16 00-0168 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,365.15	19.05
<i>For Work In Restricted Working Space, Add</i>	28.58	
23 21 16 00-0169 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,780.39	24.25
<i>For Work In Restricted Working Space, Add</i>	36.38	
23 21 16 00-0170 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,183.16	27.96
<i>For Work In Restricted Working Space, Add</i>	41.94	
23 21 16 00-0171 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,946.01	32.91
<i>For Work In Restricted Working Space, Add</i>	49.37	
23 21 16 00-0172 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0164)</small>		
23 21 16 00-0173 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,876.15	167.48
<i>For Work In Restricted Working Space, Add</i>	63.00	
23 21 16 00-0174 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,013.97	196.36
<i>For Work In Restricted Working Space, Add</i>	73.73	
23 21 16 00-0175 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,112.88	329.18
<i>For Work In Restricted Working Space, Add</i>	123.76	
23 21 16 00-0176 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,003.36	386.16
<i>For Work In Restricted Working Space, Add</i>	145.33	
23 21 16 00-0177 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves <small>(23 21 16 00-0141)</small>		
23 21 16 00-0178 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	259.68	16.07
23 21 16 00-0179 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	320.88	17.81
23 21 16 00-0180 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	424.33	18.92
23 21 16 00-0181 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	732.32	21.52
23 21 16 00-0182 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	995.39	25.72
23 21 16 00-0183 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,425.38	39.41
23 21 16 00-0184 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,544.21	42.93
23 21 16 00-0185 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,702.79	49.43
23 21 16 00-0186 Screwed Ends, Bronze Body, Water Pressure Reducing Valves <small>(23 21 16 00-0141)</small>		
<small>Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).</small>		
23 21 16 00-0187 EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	212.72	15.46
23 21 16 00-0188 EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	233.76	17.32
23 21 16 00-0189 EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	290.91	19.16
23 21 16 00-0190 EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	692.61	20.77
23 21 16 00-0191 EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	750.36	24.73
23 21 16 00-0192 EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,179.27	37.92
23 21 16 00-0193 Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0194 EA 1/2" Dual Unit Reducing And Relief Valve	239.97	37.73
23 21 16 00-0195 Safety Relief Valve <small>(23 21 16)</small>		
<small>Note: Used in water heater and hot water storage tank applications.</small>		
23 21 16 00-0196 Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0195)</small>		
<small>Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.</small>		
23 21 16 00-0197 EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	87.94	15.46
23 21 16 00-0198 EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	123.01	17.00
23 21 16 00-0199 EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve	178.71	20.71
23 21 16 00-0200 EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	232.36	21.95
23 21 16 00-0201 EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	320.18	29.37
23 21 16 00-0202 EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve	430.77	34.62
23 21 16 00-0203 EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	487.39	43.28

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21 16 00-0204 Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)				
23 21 16 00-0205	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	99.88	31.53
		<i>For Cast Iron Body, Add</i>	<i>60.44</i>	
23 21 16 00-0206	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	129.17	37.83
		<i>For Cast Iron Body, Add</i>	<i>84.19</i>	
23 21 16 00-0207	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	189.70	50.45
		<i>For Cast Iron Body, Add</i>	<i>134.09</i>	
23 21 16 00-0208	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	316.31	54.04
		<i>For Cast Iron Body, Add</i>	<i>284.98</i>	
23 21 16 00-0209	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	535.00	60.59
		<i>For Cast Iron Body, Add</i>	<i>545.14</i>	
23 21 16 00-0210	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	617.24	87.13
		<i>For Cast Iron Body, Add</i>	<i>593.60</i>	
23 21 16 00-0211 Horizontal Steel Expansion Tanks (23 21 16)				
Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.				
23 21 16 00-0212	EA	10 Gallon Horizontal Steel Expansion Tank.....	852.92	123.73
23 21 16 00-0213	EA	15 Gallon Horizontal Steel Expansion Tank.....	1,217.51	154.65
23 21 16 00-0214	EA	30 Gallon Horizontal Steel Expansion Tank.....	1,604.86	185.59
23 21 16 00-0215	EA	40 Gallon Horizontal Steel Expansion Tank.....	1,845.78	216.51
23 21 16 00-0216	EA	60 Gallon Horizontal Steel Expansion Tank.....	2,139.72	219.38
23 21 16 00-0217 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)				
Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.				
23 21 16 00-0218	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,602.17	92.79
23 21 16 00-0219	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,674.25	108.26
23 21 16 00-0220	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,492.18	123.73
23 21 16 00-0221	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,595.76	139.19
23 21 16 00-0222	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,515.38	154.65
23 21 16 00-0223	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,708.55	170.12
23 21 16 00-0224	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,407.81	185.59
23 21 16 00-0225	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,717.21	201.05
23 21 16 00-0226	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,198.54	216.51
23 21 16 00-0227	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,347.58	247.45
23 21 16 00-0228	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,704.94	278.38
23 21 16 00-0229	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,686.98	309.31
23 21 16 00-0230	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	8,924.59	371.17
23 21 16 00-0231 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX) (23 21 16)				
Note: ASME. Precharged with working pressure 125 psi				
23 21 16 00-0232	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,824.95	92.79
23 21 16 00-0233	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,884.92	108.26
23 21 16 00-0234	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,695.59	123.73
23 21 16 00-0235	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,879.07	139.19
23 21 16 00-0236	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,658.24	154.65
23 21 16 00-0237	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,848.99	170.12
23 21 16 00-0238	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,691.13	185.59
23 21 16 00-0239	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,070.75	201.05
23 21 16 00-0240	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,607.78	216.51
23 21 16 00-0241	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,749.55	247.45
23 21 16 00-0242	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,070.59	278.38
23 21 16 00-0243	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,202.76	309.31
23 21 16 00-0244	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,450.05	371.17
23 21 16 00-0245 Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)				
23 21 16 00-0246	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	104.91	11.39
23 21 16 00-0247	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	150.20	11.39
23 21 16 00-0248 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)				
23 21 16 00-0249	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,262.72	371.30
23 21 16 00-0250	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,315.63	371.30
23 21 16 00-0251	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,368.54	371.30
23 21 16 00-0252	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,506.08	371.30
23 21 16 00-0253	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,800.69	494.77
23 21 16 00-0254	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,117.44	495.01
23 21 16 00-0255	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,180.28	495.01
23 21 16 00-0256	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,243.13	495.01
23 21 16 00-0257	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,853.96	618.62
23 21 16 00-0258	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	8,182.13	618.62
23 21 16 00-0259	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	10,405.76	742.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0260

ASME Construction Compression Tanks ^(23 21 16)

Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.

23 21 16 00-0261	EA		15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	1,196.96	217.75
			<i>For Galvanized Steel Tanks, Add</i>	433.52	
23 21 16 00-0262	EA		24 Gallon, 13" x 51" ASME Construction Compression Tank.....	1,220.05	223.94
			<i>For Galvanized Steel Tanks, Add</i>	439.91	
23 21 16 00-0263	EA		30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	1,333.19	231.36
			<i>For Galvanized Steel Tanks, Add</i>	490.91	
23 21 16 00-0264	EA		40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,461.53	240.02
			<i>For Galvanized Steel Tanks, Add</i>	548.28	
23 21 16 00-0265	EA		60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,709.60	253.63
			<i>For Galvanized Steel Tanks, Add</i>	663.03	
23 21 16 00-0266	EA		80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,776.18	263.53
			<i>For Galvanized Steel Tanks, Add</i>	688.54	
23 21 16 00-0267	EA		100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	2,206.47	287.04
			<i>For Galvanized Steel Tanks, Add</i>	886.18	
23 21 16 00-0268	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	2,404.96	308.07
			<i>For Galvanized Steel Tanks, Add</i>	969.04	
23 21 16 00-0269	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,998.99	347.67
			<i>For Galvanized Steel Tanks, Add</i>	1,236.26	
23 21 16 00-0270	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank.....	3,816.69	398.39
			<i>For Galvanized Steel Tanks, Add</i>	1,606.58	
23 21 16 00-0271	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank.....	4,578.43	441.69
			<i>For Galvanized Steel Tanks, Add</i>	1,954.83	
23 21 16 00-0272	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank.....	5,007.22	480.04
			<i>For Galvanized Steel Tanks, Add</i>	2,139.72	
23 21 16 00-0273	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank.....	6,339.96	527.06
			<i>For Galvanized Steel Tanks, Add</i>	2,770.87	
23 21 16 00-0274	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank.....	6,537.51	562.94
			<i>For Galvanized Steel Tanks, Add</i>	2,842.12	
23 21 16 00-0275	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank.....	8,446.47	605.00
			<i>For Galvanized Steel Tanks, Add</i>	3,765.00	
23 21 16 00-0276	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank.....	14,121.99	710.17
			<i>For Galvanized Steel Tanks, Add</i>	6,523.07	

23 21 16 00-0277

Compression Tank Air Fittings ^(23 21 16)

23 21 16 00-0278	EA		9" To 24" Diameter Compression Tank Air Fittings.....	465.19	34.64
23 21 16 00-0279	EA		>100 Gallon Compression Tank Air Fittings.....	1,626.97	40.83

23 21 16 00-0280

Thermostatic Radiator Valves ^(23 21 16)

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0281	EA		1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	87.72	19.95
23 21 16 00-0282	EA		3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	107.46	26.89
23 21 16 00-0283	EA		1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	142.18	32.56
23 21 16 00-0284	EA		1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	218.09	41.25
23 21 16 00-0285	EA		1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	87.72	19.95
23 21 16 00-0286	EA		3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	107.46	26.89
23 21 16 00-0287	EA		1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	142.18	32.56
23 21 16 00-0288	EA		1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	218.09	41.25
23 21 16 00-0289	EA		Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	88.29	15.47
23 21 16 00-0290	EA		Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	147.36	21.65

23 21 16 00-0291

Radiator Trap Repair Kits ^(23 21 16)

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0292	EA		1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	153.13	
23 21 16 00-0293	EA		3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	191.30	
23 21 16 00-0294	EA		1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	193.84	
23 21 16 00-0295	EA		3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	220.40	
23 21 16 00-0296	EA		1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	520.40	

23 21 16 00-0297

Vortex Air Separators With Strainer ^(23 21 16)

Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0298	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N).....	1,891.94	263.53
			<i>For 300 PSIG, Add</i>	223.92	
23 21 16 00-0299	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	2,348.56	301.89
			<i>For 300 PSIG, Add</i>	283.55	
23 21 16 00-0300	EA		3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N).....	3,647.26	355.09
			<i>For 300 PSIG, Add</i>	466.40	
23 21 16 00-0301	EA		3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F).....	3,900.03	376.11
			<i>For 300 PSIG, Add</i>	499.52	
23 21 16 00-0302	EA		4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F).....	5,026.32	501.49
			<i>For 300 PSIG, Add</i>	639.97	
23 21 16 00-0303	EA		5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F).....	6,353.49	596.71
			<i>For 300 PSIG, Add</i>	817.52	
23 21 16 00-0304	EA		6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F).....	7,551.59	675.69
			<i>For 300 PSIG, Add</i>	979.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0305	EA		8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F).....	10,927.51	810.61
			<i>For 300 PSIG, Add</i>	1,454.85	
23 21 16 00-0306	EA		10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F).....	16,960.36	921.39
			<i>For 300 PSIG, Add</i>	2,334.65	
23 21 16 00-0307	EA		12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F).....	22,899.52	1,192.32
			<i>For 300 PSIG, Add</i>	3,163.93	
23 21 16 00-0308	EA		14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F).....	48,148.84	1,447.90
			<i>For 300 PSIG, Add</i>	6,893.26	
23 21 16 00-0309	EA		16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F).....	59,462.98	1,737.48
			<i>For 300 PSIG, Add</i>	8,524.57	
23 21 16 00-0310	EA		18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-18F).....	77,686.94	2,027.06
			<i>For 300 PSIG, Add</i>	11,192.35	
23 21 16 00-0311	EA		20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F).....	90,920.28	2,316.64
			<i>For 300 PSIG, Add</i>	13,111.53	
23 21 16 00-0312 Vortex Air Separators (23 21 16)					
Note: Without system strainer.					
23 21 16 00-0313	EA		2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N).....	1,600.44	263.53
			<i>For 300 PSIG, Add</i>	180.20	
23 21 16 00-0314	EA		2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N).....	2,030.56	301.89
			<i>For 300 PSIG, Add</i>	235.85	
23 21 16 00-0315	EA		3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N).....	3,567.76	355.09
			<i>For 300 PSIG, Add</i>	454.47	
23 21 16 00-0316	EA		3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F).....	3,202.20	376.11
			<i>For 300 PSIG, Add</i>	394.85	
23 21 16 00-0317	EA		4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F).....	4,293.16	501.49
			<i>For 300 PSIG, Add</i>	530.00	
23 21 16 00-0318	EA		5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F).....	5,584.99	596.71
			<i>For 300 PSIG, Add</i>	702.25	
23 21 16 00-0319	EA		6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F).....	6,509.26	675.69
			<i>For 300 PSIG, Add</i>	822.82	
23 21 16 00-0320	EA		8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F).....	8,701.51	810.61
			<i>For 300 PSIG, Add</i>	1,120.95	
23 21 16 00-0321	EA		10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F).....	12,199.20	921.39
			<i>For 300 PSIG, Add</i>	1,620.47	
23 21 16 00-0322	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F).....	18,899.12	1,192.32
			<i>For 300 PSIG, Add</i>	2,563.87	
23 21 16 00-0323	EA		14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F).....	32,428.23	1,447.90
			<i>For 300 PSIG, Add</i>	4,535.17	
23 21 16 00-0324	EA		16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F).....	41,125.30	1,737.48
			<i>For 300 PSIG, Add</i>	5,773.91	
23 21 16 00-0325	EA		18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F).....	55,114.69	2,027.06
			<i>For 300 PSIG, Add</i>	7,806.51	
23 21 16 00-0326	EA		20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F).....	75,570.42	2,316.64
			<i>For 300 PSIG, Add</i>	10,809.05	
23 21 16 00-0327	EA		22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F).....	92,643.94	2,606.21
			<i>For 300 PSIG, Add</i>	13,304.27	
23 21 16 00-0328	EA		24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F).....	109,717.45	2,895.80
			<i>For 300 PSIG, Add</i>	15,799.48	
23 21 16 00-0329 Grooved, With Strainer, Vortex Air Separators (23 21 16)					
23 21 16 00-0330	EA		3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	3,432.72	300.89
23 21 16 00-0331	EA		4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	4,873.98	400.94
23 21 16 00-0332	EA		5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	6,172.80	476.93
23 21 16 00-0333	EA		6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	7,346.76	540.55
23 21 16 00-0334	EA		8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	10,664.13	648.66
23 21 16 00-0335	EA		10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	17,370.12	737.11
23 21 16 00-0336	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	26,518.36	953.97
23 21 16 00-0337 Grooved Vortex Air Separators (23 21 16)					
Note: Without system strainer.					
23 21 16 00-0338	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	2,708.39	300.89
23 21 16 00-0339	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	4,140.82	400.94
23 21 16 00-0340	EA		5" Grooved, 500 GPM Vortex Air Separator (Rolairtrol RL-5G).....	5,404.30	476.93
23 21 16 00-0341	EA		6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	6,304.43	540.55
23 21 16 00-0342	EA		8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	8,455.80	648.66
23 21 16 00-0343	EA		10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	12,538.29	737.11
23 21 16 00-0344	EA		12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	20,946.17	953.97
23 21 16 00-0345 Removable Head, Air Eliminator And Dirt Separator (23 21 16)					
Note: Spirotherm VDN.					
23 21 16 00-0346	EA		2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,646.10	263.53
23 21 16 00-0347	EA		2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,951.48	301.89
23 21 16 00-0348	EA		3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,266.39	355.09
23 21 16 00-0349	EA		4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	6,047.10	544.39
23 21 16 00-0350	EA		5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,809.33	673.05
23 21 16 00-0351	EA		6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	11,316.56	762.14
23 21 16 00-0352	EA		8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	17,616.74	171.98
23 21 16 00-0353	EA		10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	25,949.23	1,039.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0354 EA 12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	33,539.57	1,344.88
23 21 16 00-0355 Swivel Joints (23 21 16)		
23 21 16 00-0356 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0355)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0357 EA 1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	363.62	32.54
23 21 16 00-0358 EA 1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	522.56	47.63
23 21 16 00-0359 EA 2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	731.51	55.68
23 21 16 00-0360 EA 3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,092.28	95.27
23 21 16 00-0361 EA 4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,383.54	108.26
<i>For Stainless Steel, Add</i>		
	1,750.55	
23 21 16 00-0362 EA 2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,021.82	164.93
<i>For Stainless Steel, Add</i>		
	1,223.42	
23 21 16 00-0363 EA 3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,380.02	131.58
23 21 16 00-0364 EA 4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,762.69	352.62
23 21 16 00-0365 EA 6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	3,257.77	445.40
23 21 16 00-0366 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) (23 21 16 00-0355)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0367 EA 1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	461.80	32.54
<i>For Stainless Steel, Add</i>		
	595.02	
23 21 16 00-0368 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	568.93	47.63
<i>For Stainless Steel, Add</i>		
	710.64	
23 21 16 00-0369 EA 2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	765.91	55.68
<i>For Stainless Steel, Add</i>		
	980.16	
23 21 16 00-0370 EA 3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,231.40	95.27
<i>For Stainless Steel, Add</i>		
	1,561.58	
23 21 16 00-0371 EA 4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,610.76	108.26
<i>For Stainless Steel, Add</i>		
	2,091.38	
23 21 16 00-0372 EA 2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,053.26	164.93
<i>For Stainless Steel, Add</i>		
	1,270.58	
23 21 16 00-0373 EA 3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,560.11	131.58
<i>For Stainless Steel, Add</i>		
	1,945.31	
23 21 16 00-0374 EA 4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,970.59	352.62
<i>For Stainless Steel, Add</i>		
	2,293.08	
23 21 16 00-0375 EA 6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	3,401.34	445.40
<i>For Stainless Steel, Add</i>		
	4,263.89	
23 21 16 00-0376 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) (23 21 16 00-0355)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0377 EA 1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	542.82	32.54
<i>For Stainless Steel, Add</i>		
	716.55	
23 21 16 00-0378 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	630.76	47.63
<i>For Stainless Steel, Add</i>		
	803.39	
23 21 16 00-0379 EA 2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	921.32	55.68
<i>For Stainless Steel, Add</i>		
	1,213.28	
23 21 16 00-0380 EA 3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,418.43	95.27
<i>For Stainless Steel, Add</i>		
	1,842.12	
23 21 16 00-0381 EA 4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,672.59	108.26
<i>For Stainless Steel, Add</i>		
	2,184.12	
23 21 16 00-0382 EA 2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,207.84	164.93
<i>For Stainless Steel, Add</i>		
	1,502.45	
23 21 16 00-0383 EA 3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,751.77	131.58
<i>For Stainless Steel, Add</i>		
	2,232.80	
23 21 16 00-0384 EA 4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	2,168.44	352.62
<i>For Stainless Steel, Add</i>		
	2,589.86	
23 21 16 00-0385 EA 6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	3,826.41	445.40
<i>For Stainless Steel, Add</i>		
	4,901.49	
23 21 16 00-0386 Basket Strainers (23 21 16)		
23 21 16 00-0387 Bronze Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0388 Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0387)		
23 21 16 00-0389 EA 1/2" Screwed Ends, Bronze Body Basket Strainer	326.29	24.74
<i>For Work In Restricted Working Space, Add</i>		
	14.73	
23 21 16 00-0390 EA 3/4" Screwed Ends, Bronze Body Basket Strainer	385.61	29.08
<i>For Work In Restricted Working Space, Add</i>		
	17.31	
23 21 16 00-0391 EA 1" Screwed Ends, Bronze Body Basket Strainer	447.38	34.64
<i>For Work In Restricted Working Space, Add</i>		
	20.62	
23 21 16 00-0392 EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer	556.73	38.35
<i>For Work In Restricted Working Space, Add</i>		
	22.99	
23 21 16 00-0393 EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer	657.20	43.30
<i>For Work In Restricted Working Space, Add</i>		
	25.96	
23 21 16 00-0394 EA 2" Screwed Ends, Bronze Body Basket Strainer	977.75	49.49
<i>For Work In Restricted Working Space, Add</i>		
	29.72	
23 21 16 00-0395 EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,382.79	66.19
<i>For Work In Restricted Working Space, Add</i>		
	39.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0396	EA		3" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,943.39 42.23	70.53
23 21 16 00-0397			Flanged, Bronze Body Basket Strainers (23 21 16 00-0387)		
23 21 16 00-0398	EA		2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,537.80 61.86	164.93
23 21 16 00-0399	EA		2-1/2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,308.39 67.49	179.39
23 21 16 00-0400	EA		3" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,618.44 78.97	210.33
23 21 16 00-0401	EA		4" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,427.59 132.56	352.62
23 21 16 00-0402	EA		6" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	8,376.22 148.61	394.88
23 21 16 00-0403	EA		8" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	15,256.20 188.04	504.58
23 21 16 00-0404			Iron Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0405			Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0404)		
23 21 16 00-0406	EA		1/2" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	374.37 14.73	24.74
23 21 16 00-0407	EA		3/4" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	421.75 17.31	29.08
23 21 16 00-0408	EA		1" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	498.45 20.62	34.64
23 21 16 00-0409	EA		1-1/4" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	652.56 22.99	38.35
23 21 16 00-0410	EA		1-1/2" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	716.16 25.96	43.30
23 21 16 00-0411	EA		2" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	851.07 29.72	49.49
23 21 16 00-0412	EA		2-1/2" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,206.99 39.82	66.19
23 21 16 00-0413	EA		3" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,364.24 42.23	70.53
23 21 16 00-0414			Flanged, Iron Body Basket Strainers (23 21 16 00-0404)		
23 21 16 00-0415	EA		2" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,331.56 61.86	164.93
23 21 16 00-0416	EA		2-1/2" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,741.72 67.49	179.39
23 21 16 00-0417	EA		3" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,877.87 78.97	210.33
23 21 16 00-0418	EA		4" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,871.97 132.56	352.62
23 21 16 00-0419	EA		6" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	5,225.09 148.61	394.88
23 21 16 00-0420	EA		8" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	9,352.32 188.04	504.58
23 21 16 00-0421	EA		10" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	13,896.87 230.35	614.26
23 21 16 00-0422	EA		12" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	17,124.11 464.60	774.41
23 21 16 00-0423	EA		14" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	20,749.69 329.07	877.51
23 21 16 00-0424	EA		16" Flanged, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	21,756.39 361.97	965.26
23 21 16 00-0425			Cast Steel Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0426			Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0425)		
23 21 16 00-0427	EA		1" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,982.80 20.62	34.64
23 21 16 00-0428	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,631.43 22.99	38.35
23 21 16 00-0429	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,965.71 25.95	43.30
23 21 16 00-0430	EA		2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,194.85 29.72	49.49
23 21 16 00-0431	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	5,891.11 39.81	66.19
23 21 16 00-0432	EA		3" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	7,683.50 42.24	70.53
23 21 16 00-0433			Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0425)		
23 21 16 00-0434	EA		2" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	6,167.39 61.86	164.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0435 EA 2-1/2" Flanged, Cast Steel Body Basket Strainer	8,943.68	179.39
For Work In Restricted Working Space, Add	67.49	
23 21 16 00-0436 EA 3" Flanged, Cast Steel Body Basket Strainer	9,793.01	210.33
For Work In Restricted Working Space, Add	78.97	
23 21 16 00-0437 EA 4" Flanged, Cast Steel Body Basket Strainer	13,824.10	352.62
For Work In Restricted Working Space, Add	132.56	
23 21 16 00-0438 EA 6" Flanged, Cast Steel Body Basket Strainer	24,623.94	394.88
For Work In Restricted Working Space, Add	148.61	
23 21 16 00-0439 EA 8" Flanged, Cast Steel Body Basket Strainer	40,165.22	504.58
For Work In Restricted Working Space, Add	188.04	
23 21 16 00-0440 Stainless Steel Body Basket Strainers (23 21 16 00-0386)		
23 21 16 00-0441 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0440)		
23 21 16 00-0442 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer	571.46	34.64
For Work In Restricted Working Space, Add	20.62	
23 21 16 00-0443 EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	820.76	38.35
For Work In Restricted Working Space, Add	22.99	
23 21 16 00-0444 EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	848.05	43.30
For Work In Restricted Working Space, Add	25.95	
23 21 16 00-0445 EA 2" Screwed Ends, Stainless Steel Body Basket Strainer	1,251.35	49.49
For Work In Restricted Working Space, Add	29.72	
23 21 16 00-0446 EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,767.77	66.19
For Work In Restricted Working Space, Add	39.81	
23 21 16 00-0447 EA 3" Screwed Ends, Stainless Steel Body Basket Strainer	2,492.62	70.53
For Work In Restricted Working Space, Add	42.24	
23 21 16 00-0448 Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0440)		
23 21 16 00-0449 EA 2" Flanged, Stainless Steel Body Basket Strainer	1,920.93	164.93
For Work In Restricted Working Space, Add	61.86	
23 21 16 00-0450 EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,895.34	179.39
For Work In Restricted Working Space, Add	67.49	
23 21 16 00-0451 EA 3" Flanged, Stainless Steel Body Basket Strainer	3,279.56	210.33
For Work In Restricted Working Space, Add	78.97	
23 21 16 00-0452 EA 4" Flanged, Stainless Steel Body Basket Strainer	5,543.73	352.62
For Work In Restricted Working Space, Add	132.56	
23 21 16 00-0453 EA 6" Flanged, Stainless Steel Body Basket Strainer	8,459.24	394.88
For Work In Restricted Working Space, Add	148.61	
23 21 16 00-0454 EA 8" Flanged, Stainless Steel Body Basket Strainer	14,663.12	504.58
For Work In Restricted Working Space, Add	188.04	
23 21 16 00-0455 Air Vents (23 21 16)		
23 21 16 00-0456 Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0455)		
Note: With guided free floating lever.		
23 21 16 00-0457 EA 1/2" NPT, Cast Iron, Automatic Air Vent	389.35	35.87
23 21 16 00-0458 EA 3/4" NPT, Cast Iron, Automatic Air Vent	475.54	47.63
23 21 16 00-0459 EA 1" NPT, Cast Iron, Automatic Air Vent	1,105.80	49.49
23 21 16 00-0460 EA 1-1/4" NPT, Cast Iron, Automatic Air Vent	1,638.63	76.46
23 21 16 00-0461 EA 1-1/2" NPT, Cast Iron, Automatic Air Vent	2,748.79	82.28
23 21 16 00-0462 EA 2" NPT, Cast Iron, Automatic Air Vent	3,151.14	108.50
23 21 16 00-0463 Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0455)		
Note: With guided free floating lever.		
23 21 16 00-0464 EA 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,702.61	41.45
23 21 16 00-0465 EA 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,389.39	47.63
23 21 16 00-0466 EA 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	4,048.22	49.49
23 21 16 00-0467 EA 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,644.79	76.71
23 21 16 00-0468 EA 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	7,677.66	82.28
23 21 16 00-0469 EA 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	11,293.97	108.26
23 21 16 00-0470 Automatic Air Vent (23 21 16 00-0455)		
23 21 16 00-0471 EA 3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	253.64	47.63
23 21 16 00-0472 EA 1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	277.55	49.49
23 21 16 00-0473 EA 1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	393.43	76.46
23 21 16 00-0474 EA 1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	485.57	82.28
23 21 16 00-0475 EA 2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	618.78	88.66
23 21 16 00-0476 Manual Air Vent Bleed Plug Valve (23 21 16 00-0455)		
23 21 16 00-0477 EA Up To 1/2" Manual Air Vent Bleed Plug Valve	84.47	44.66
23 21 16 00-0478 Air Release Valves (23 21 16 00-0455)		
23 21 16 00-0479 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0478)		
Note: Up to 175 psi. Stainless steel float.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0480	EA		1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	200.12	18.56
23 21 16 00-0481	EA		3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	205.07	21.03
23 21 16 00-0482	EA		1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	214.97	25.98
23 21 16 00-0483			Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 <small>21 16 00-0478</small>) Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0484	EA		1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	813.67	25.98
23 21 16 00-0485	EA		2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	977.76	45.16
23 21 16 00-0486	EA		3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	1,282.97	105.30
23 21 16 00-0487			Cast Iron, Air/Vacuum Valves (23 21 16 00-0478) Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0488	EA		1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141).....	394.17	18.56
23 21 16 00-0489	EA		1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142).....	486.64	25.98
23 21 16 00-0490	EA		2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144).....	840.64	45.16
23 21 16 00-0491	EA		3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146).....	1,220.87	105.30
23 21 16 00-0492	EA		4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152).....	1,910.45	176.75
23 21 16 00-0493	EA		6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153).....	2,905.49	223.50
23 21 16 00-0494			Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (23 21 16 00-0478) Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0495	EA		1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	703.97	25.98
23 21 16 00-0496	EA		2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	1,081.26	45.16
23 21 16 00-0497	EA		3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	1,984.13	105.30
23 21 16 00-0498	EA		4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	2,575.38	176.75
23 21 23			Hydronic Pumps (23 21)		
23 21 23 13			In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001			Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13) Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA		3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,572.69	330.53
			<i>For Mechanical Seal, Add</i>	446.53	
			<i>For Cast Steel Case, Add</i>	1,004.69	
23 21 23 13-0003	EA		5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,183.33	400.05
			<i>For Mechanical Seal, Add</i>	478.69	
			<i>For Cast Steel Case, Add</i>	1,077.05	
23 21 23 13-0004	EA		7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,305.06	475.28
			<i>For Mechanical Seal, Add</i>	550.43	
			<i>For Cast Steel Case, Add</i>	1,238.47	
23 21 23 13-0005	EA		10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,318.79	633.69
			<i>For Mechanical Seal, Add</i>	593.54	
			<i>For Cast Steel Case, Add</i>	1,335.46	
23 21 23 13-0006	EA		15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	10,677.24	690.68
			<i>For Mechanical Seal, Add</i>	688.40	
			<i>For Cast Steel Case, Add</i>	1,548.90	
23 21 23 13-0007	EA		30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	15,916.55	760.21
			<i>For Mechanical Seal, Add</i>	1,090.97	
			<i>For Cast Steel Case, Add</i>	2,454.67	
23 21 23 13-0008	EA		40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	18,712.67	949.40
			<i>For Mechanical Seal, Add</i>	1,269.07	
			<i>For Cast Steel Case, Add</i>	2,855.40	
23 21 23 13-0009	EA		50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	25,992.83	1,085.04
			<i>For Mechanical Seal, Add</i>	1,818.91	
			<i>For Cast Steel Case, Add</i>	4,092.56	
23 21 23 13-0010	EA		75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	33,022.04	1,137.48
			<i>For Mechanical Seal, Add</i>	2,368.76	
			<i>For Cast Steel Case, Add</i>	5,329.71	
23 21 23 13-0011	EA		100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	36,093.76	1,462.16
			<i>For Mechanical Seal, Add</i>	2,536.50	
			<i>For Cast Steel Case, Add</i>	5,707.11	
23 21 23 13-0012			Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump (23 21 23 13) Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.		
23 21 23 13-0013	EA		1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,315.13	189.76
23 21 23 13-0014	EA		3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,086.36	216.89
23 21 23 13-0015	EA		1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,441.57	242.88
23 21 23 13-0016	EA		1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,671.27	264.08
23 21 23 13-0017	EA		2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,104.14	289.15
23 21 23 13-0018	EA		3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,278.65	319.59
23 21 23 13-0019	EA		5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,178.88	379.53
23 21 23 13-0020	EA		7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,356.12	467.18
23 21 23 13-0021	EA		10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	10,744.54	506.05
23 21 23 13-0022	EA		15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,551.57	535.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0023 EA 20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,114.91	569.30
23 21 23 13-0024 EA 25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,002.98	588.33
23 21 23 13-0025 EA 30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,891.04	607.25
23 21 23 13-0026 EA 40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,234.80	650.68
23 21 23 13-0027 EA 50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	22,923.00	733.12
23 21 23 13-0028 EA 60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,341.94	1,058.91
23 21 23 13-0029 EA 75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	29,962.30	2,117.82
23 21 23 13-0030 EA 100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,447.79	2,541.38

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)
Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002 EA 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	6,480.36	361.30
23 21 23 16-0003 EA 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	7,267.61	361.75
23 21 23 16-0004 EA 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	9,580.20	475.28
23 21 23 16-0005 EA 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	10,501.54	584.68
23 21 23 16-0006 EA 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	11,751.27	584.68
23 21 23 16-0007 EA 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	11,434.00	633.69
23 21 23 16-0008 EA 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	12,144.52	633.69
23 21 23 16-0009 EA 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	13,268.02	664.46
23 21 23 16-0010 EA 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	14,774.47	844.55
23 21 23 16-0011 EA 40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T).....	15,638.69	949.40
23 21 23 16-0012 EA 60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T).....	23,985.37	2,226.33
23 21 23 16-0013 EA 75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T).....	34,734.52	2,671.12
23 21 23 16-0014 EA 100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS).....	39,414.10	3,338.90

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016 EA 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,863.82	265.56
For 300 LB Flanges, Add	1,596.23	
23 21 23 16-0017 EA 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,754.09	284.94
For 300 LB Flanges, Add	2,081.67	
23 21 23 16-0018 EA 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	10,974.50	304.31
For 300 LB Flanges, Add	2,616.99	
23 21 23 16-0019 EA 5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,797.52	361.30
For 300 LB Flanges, Add	3,036.56	
23 21 23 16-0020 EA 7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,449.99	361.75
For 300 LB Flanges, Add	3,191.54	
23 21 23 16-0021 EA 10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,049.45	475.28
For 300 LB Flanges, Add	3,298.66	
23 21 23 16-0022 EA 10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,364.03	475.28
For 300 LB Flanges, Add	3,377.31	
23 21 23 16-0023 EA 10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,060.86	475.28
For 300 LB Flanges, Add	3,551.51	
23 21 23 16-0024 EA 15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,480.25	584.68
For 300 LB Flanges, Add	4,107.05	
23 21 23 16-0025 EA 17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,749.79	584.23
For 300 LB Flanges, Add	4,163.82	
23 21 23 16-0026 EA 20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,710.97	633.69
For 300 LB Flanges, Add	4,392.81	
23 21 23 16-0027 EA 25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,533.07	664.46
For 300 LB Flanges, Add	4,825.56	
23 21 23 16-0028 EA 30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,684.75	844.55
For 300 LB Flanges, Add	5,291.27	
23 21 23 16-0029 EA 40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,734.55	949.40
For 300 LB Flanges, Add	6,006.24	
23 21 23 16-0030 EA 60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	39,858.93	2,226.33
For 300 LB Flanges, Add	8,891.52	
23 21 23 16-0031 EA 75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,401.64	2,671.12
For 300 LB Flanges, Add	10,562.55	
23 21 23 16-0032 EA 100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	57,795.42	3,338.90
For 300 LB Flanges, Add	12,839.03	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034 EA 1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,593.52	265.56
For 300 LB Flanges, Add	1,528.66	
23 21 23 16-0035 EA 2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,768.17	284.94
For 300 LB Flanges, Add	1,563.81	
23 21 23 16-0036 EA 3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,942.96	304.31
For 300 LB Flanges, Add	1,598.97	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0037	EA		5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,542.44	311.14
			<i>For 300 LB Flanges, Add</i>	1,745.48	
23 21 23 16-0038	EA		7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,310.15	361.30
			<i>For 300 LB Flanges, Add</i>	2,914.72	
23 21 23 16-0039	EA		10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,913.73	475.28
			<i>For 300 LB Flanges, Add</i>	3,543.65	
23 21 23 16-0040	EA		15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,769.39	512.88
			<i>For 300 LB Flanges, Add</i>	3,978.65	
23 21 23 16-0041	EA		20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,731.09	569.87
			<i>For 300 LB Flanges, Add</i>	4,169.76	
23 21 23 16-0042	EA		25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,750.15	569.29
			<i>For 300 LB Flanges, Add</i>	4,681.60	
23 21 23 16-0043	EA		40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	22,123.95	731.62
			<i>For 300 LB Flanges, Add</i>	5,201.92	
23 21 23 16-0044	EA		50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	28,041.43	890.77
			<i>For 300 LB Flanges, Add</i>	6,581.07	
23 21 23 16-0045	EA		75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	35,794.82	1,112.57
			<i>For 300 LB Flanges, Add</i>	8,412.10	
23 21 23 16-0046	EA		3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	45,028.09	1,335.56
			<i>For 300 LB Flanges, Add</i>	10,613.09	
23 21 23 16-0047	EA		150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	53,384.06	1,483.42
			<i>For 300 LB Flanges, Add</i>	12,630.54	
23 21 23 16-0048	EA		200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	61,399.48	1,907.94
			<i>For 300 LB Flanges, Add</i>	14,429.97	
23 21 23 16-0049			Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump ^(23 21 23 16)		
			Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA		40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	41,972.65	584.68
			<i>For 300 LB Flanges, Add</i>	10,230.15	
23 21 23 16-0051	EA		50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,310.77	633.69
			<i>For 300 LB Flanges, Add</i>	11,042.76	
23 21 23 16-0052	EA		75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	60,452.54	842.21
			<i>For 300 LB Flanges, Add</i>	14,727.49	
23 21 23 16-0053	EA		100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	70,567.03	1,157.26
			<i>For 300 LB Flanges, Add</i>	17,111.50	
23 21 23 16-0054	EA		200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	97,919.79	1,543.01
			<i>For 300 LB Flanges, Add</i>	23,772.94	
23 21 23 16-0055			Cast Iron Close Coupling Pumps ^(23 21 23 16)		
23 21 23 16-0056			Foot Mounted Cast Iron Close Coupled Pumps ^(23 21 23 16-0055)		
23 21 23 16-0057	EA		3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	5,802.81	341.92
23 21 23 16-0058	EA		3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,313.93	341.92
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,019.65	360.92
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,471.80	360.92
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,584.74	379.53
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,175.38	457.04
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,355.20	563.03
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,297.37	609.39
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	16,555.48	658.14
23 21 23 16-0066			Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt ^(23 21 23 16)		
23 21 23 16-0067	EA		1/3 HP, Centrifugal Pump, Polypropylene Body	1,465.21	176.56
23 21 23 16-0068	EA		1/2 HP, Centrifugal Pump, Polypropylene Body	1,562.97	187.19
23 21 23 16-0069	EA		3/4 HP, Centrifugal Pump, Polypropylene Body	1,820.75	199.32
23 21 23 23			Vertical-Turbine Hydronic Pumps ^(23 21 23)		
			See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001			Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps ^(23 21 23 23)		
			Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA		2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,357.13	844.55
			<i>For Each Extra Column Assembly <60", Add</i>	1,119.23	
			<i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i>	483.63	
			<i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	350.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0003 EA 3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	15,426.45 1,285.18 565.99 411.73	949.40
23 21 23 23-0004 EA 15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	18,502.85 1,544.11 676.23 491.20	890.77
23 21 23 23-0005 EA 25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	21,858.26 1,814.70 808.29 589.70	1,027.91
23 21 23 23-0006 EA 50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	26,965.78 2,228.81 1,007.08 737.43	1,112.57
23 21 23 23-0007 EA 100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	35,494.55 2,925.42 1,333.92 978.98	1,335.56
23 21 23 23-0008 EA 150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	42,464.19 3,504.46 1,591.25 1,166.60	1,669.45
23 21 23 23-0009 EA 200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	68,216.24 5,579.95 2,606.00 1,923.83	1,907.94
23 21 23 23-0010 EA 250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	89,522.38 7,304.89 3,437.80 2,542.58	2,226.33
23 21 23 23-0011 EA 300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	125,445.46 10,207.35 4,846.10 3,591.65	2,671.12

23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)		
23 21 29 00-0002 EA 1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	221.33	37.04
23 21 29 00-0003 EA 1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	239.75	37.04
23 21 29 00-0004 EA 1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	372.35	42.74
23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)		
23 21 29 00-0006 EA 1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	122.20	28.49
23 21 29 00-0007 EA 1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	130.07	28.49
23 21 29 00-0008 EA 1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	215.30	37.04
23 21 29 00-0009 EA 1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	232.73	42.74
23 21 29 00-0010 EA 1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS)..... Condensate Pump.....	426.61	48.43

23 22 Steam and Condensate Piping and Pumps (23 20)

23 22 16 Steam and Condensate Heating Piping Specialties (23 22)

23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)		
23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
Note: Up to 150 PSI.		
23 22 16 00-0003 EA 1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,348.89	17.81
23 22 16 00-0004 EA 3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,419.88	23.99
23 22 16 00-0005 EA 1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,884.05	29.55
23 22 16 00-0006 EA 1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,080.86	37.34
23 22 16 00-0007 EA 1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,135.71	42.91
23 22 16 00-0008 EA 2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,523.23	46.69
23 22 16 00-0009 EA 2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,215.10	85.53
23 22 16 00-0010 EA 3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,179.17	93.27
23 22 16 00-0011 EA 4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,131.64	218.32
23 22 16 00-0012 EA 6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	10,189.83	256.24
23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0014 EA 1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,998.72	17.81
23 22 16 00-0015 EA 3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,070.71	23.99
23 22 16 00-0016 EA 1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,163.52	29.55
23 22 16 00-0017 EA 1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,590.03	37.34
23 22 16 00-0018 EA 1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,775.06	42.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0019 EA 2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,151.06	46.69
23 22 16 00-0020 EA 2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,830.69	85.53
23 22 16 00-0021 EA 3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,781.93	93.27
23 22 16 00-0022 EA 4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,010.58	218.32
23 22 16 00-0023 EA 6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	12,931.38	256.24
23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0025 EA 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,723.26	17.81
23 22 16 00-0026 EA 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,763.63	23.99
23 22 16 00-0027 EA 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,024.91	29.55
23 22 16 00-0028 EA 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,294.47	37.34
23 22 16 00-0029 EA 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,414.41	42.91
23 22 16 00-0030 EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,851.69	46.69
23 22 16 00-0031 EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,127.73	85.53
23 22 16 00-0032 EA 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,183.97	93.27
23 22 16 00-0033 EA 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,362.43	218.32
23 22 16 00-0034 EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,529.93	256.24
23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036 EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,488.95	17.81
23 22 16 00-0037 EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,525.50	23.99
23 22 16 00-0038 EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,828.87	29.55
23 22 16 00-0039 EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,991.21	37.34
23 22 16 00-0040 EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,145.62	42.91
23 22 16 00-0041 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,514.00	46.69
23 22 16 00-0042 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,510.57	85.53
23 22 16 00-0043 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,602.44	93.27
23 22 16 00-0044 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,780.91	218.32
23 22 16 00-0045 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,948.41	256.24
23 22 16 00-0046 High Temperature Safety Relief Valve (23 22 16)		
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047 Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)		
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048 Threaded (23 22 16 00-0047)		
23 22 16 00-0049 EA 3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	505.48	18.55
23 22 16 00-0050 EA 1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	529.61	21.95
23 22 16 00-0051 EA 1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	585.06	27.82
23 22 16 00-0052 EA 1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	720.83	30.92
23 22 16 00-0053 EA 2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	922.48	38.03
23 22 16 00-0054 EA 2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,427.69	43.28
23 22 16 00-0055 EA 3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,547.77	49.77
23 22 16 00-0056 Flanged (23 22 16 00-0047)		
23 22 16 00-0057 EA 1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,539.50	129.84
23 22 16 00-0058 EA 2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,123.62	195.17
23 22 16 00-0059 EA 2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,553.45	179.75
23 22 16 00-0060 EA 2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,533.39	259.62
23 22 16 00-0061 EA 3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,900.22	193.61
23 22 16 00-0062 EA 3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	6,934.41	259.62
23 22 16 00-0063 EA 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	11,600.16	368.43
23 22 16 00-0064 EA 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	23,052.67	411.46
23 22 16 00-0065 Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	549.36	17.00
23 22 16 00-0067 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	562.95	18.55
23 22 16 00-0068 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	658.66	20.41
23 22 16 00-0069 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	727.23	21.95
23 22 16 00-0070 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	841.29	24.73
23 22 16 00-0071 EA 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	846.08	27.82
23 22 16 00-0072 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	951.26	29.37
23 22 16 00-0073 EA 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,036.46	30.92
23 22 16 00-0074 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,437.55	34.62
23 22 16 00-0075 EA 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,571.11	38.03
23 22 16 00-0076 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,874.25	43.28
23 22 16 00-0077 Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	260.12	17.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0079 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	296.28	18.55
23 22 16 00-0080 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	409.51	20.41
23 22 16 00-0081 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	450.80	21.95
23 22 16 00-0082 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	650.87	24.73
23 22 16 00-0083 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	877.33	29.37
23 22 16 00-0084 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	1,278.31	34.62
23 22 16 00-0085 Steam Traps (23 22 16)		
23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	333.15	37.12
For Work In Restricted Working Space, Add	22.27	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	336.25	38.66
For Work In Restricted Working Space, Add	23.20	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	499.28	41.20
For Work In Restricted Working Space, Add	24.74	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	807.13	56.23
For Work In Restricted Working Space, Add	33.74	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,200.94	69.28
For Work In Restricted Working Space, Add	41.24	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,533.17	103.10
For Work In Restricted Working Space, Add	61.86	
23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	352.14	38.66
For Work In Restricted Working Space, Add	23.20	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	463.48	41.24
For Work In Restricted Working Space, Add	24.74	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	573.47	56.24
For Work In Restricted Working Space, Add	33.74	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	839.07	68.73
For Work In Restricted Working Space, Add	41.24	
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,416.59	103.06
For Work In Restricted Working Space, Add	61.86	
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	447.81	38.66
For Work In Restricted Working Space, Add	23.20	
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	486.64	41.20
For Work In Restricted Working Space, Add	24.74	
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	636.61	56.23
For Work In Restricted Working Space, Add	33.74	
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	991.89	68.67
For Work In Restricted Working Space, Add	41.24	
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,557.63	103.10
For Work In Restricted Working Space, Add	61.86	
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	580.43	38.66
For Work In Restricted Working Space, Add	23.20	
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	646.62	41.24
For Work In Restricted Working Space, Add	24.74	
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	983.95	56.23
For Work In Restricted Working Space, Add	33.74	
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,183.25	68.67
For Work In Restricted Working Space, Add	41.24	
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,955.47	103.10
For Work In Restricted Working Space, Add	61.86	
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	588.85	38.66
For Work In Restricted Working Space, Add	23.20	
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	646.62	41.24
For Work In Restricted Working Space, Add	24.74	
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	983.95	56.23
For Work In Restricted Working Space, Add	33.74	
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	1,183.25	68.67
For Work In Restricted Working Space, Add	41.24	
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,955.47	103.10
For Work In Restricted Working Space, Add	61.86	
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	171.89	37.12
For Work In Restricted Working Space, Add	22.27	
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	285.71	38.66
For Work In Restricted Working Space, Add	23.20	
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	352.41	41.20
For Work In Restricted Working Space, Add	24.75	
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	376.36	33.41
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	533.13	37.12
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	660.41	38.66
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	884.48	41.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 22 Steam and Condensate Piping and Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 22 16 00-0123			Steam Moisture Separator <small>(23 22 16 00-0085)</small>		
23 22 16 00-0124	EA		1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	804.79	61.86
23 22 16 00-0125	EA		3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	853.08	83.51
23 22 16 00-0126	EA		1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,027.25	94.03
23 22 16 00-0127	EA		1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,625.09	107.63
23 22 16 00-0128	EA		2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	1,990.18	164.93
23 22 16 00-0129	EA		2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,997.42	179.39
23 22 16 00-0130	EA		3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,426.25	210.33
23 22 16 00-0131	EA		4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	4,730.90	352.62
23 22 16 00-0132	EA		6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	9,243.53	445.40

23 22 16 00-0133			Steam/Condensate Meter <small>(23 22 16)</small>		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.					
23 22 16 00-0134	EA		1" Steam/Condensate Meter	9,693.57	102.49
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0135	EA		2" Steam/Condensate Meter	10,933.21	120.44
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0136	EA		2-1/2" Steam/Condensate Meter	11,579.80	149.48
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0137	EA		3" Steam/Condensate Meter	12,250.30	196.46
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0138	EA		4" Steam/Condensate Meter	13,745.73	305.22
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0139	EA		6" Steam/Condensate Meter	23,647.22	386.08
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0140	EA		8" Steam/Condensate Meter	24,424.37	487.43
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0141	EA		10" Steam/Condensate Meter	25,483.08	597.91
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0142	EA		12" Steam/Condensate Meter	26,633.24	726.02
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0143	EA		14" Steam/Condensate Meter	28,289.95	854.15
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	
23 22 16 00-0144	EA		16" Steam/Condensate Meter	29,248.09	939.57
			<i>For Steam Meter Pressure-Compensated Counter, Add</i>	1,220.00	
			<i>For Contactor Used For Dial Counter, Add</i>	567.00	
			<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>	905.00	
			<i>For Direct Reading Pressure Gauge, Add</i>	79.82	
			<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	64.52	

23 22 23 Steam Condensate Pumps (23 22)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)

23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,045.42	580.12
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,593.15	596.08
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,714.89	635.98
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,976.43	642.82
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,321.44	699.80
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,806.69	699.80
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,894.93	747.67
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,940.69	781.86
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,007.33	816.06

23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,337.05	620.02
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,005.10	635.98
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,124.42	678.15
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,601.60	732.85
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,894.93	748.81
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,031.56	775.02
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,188.62	816.06
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,000.99	868.49

23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,609.49	711.20
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,259.84	768.19
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,797.21	759.07
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,007.96	775.02
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,118.23	808.08
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,007.33	816.06
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,101.26	868.49

23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,784.02	770.46
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,518.54	786.42
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,017.18	792.12
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,210.99	861.64
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,120.07	928.89

23 22 23 13-0035 Duplex Condensate Pumps And Motors (23 22 23 13)

Note: Cast iron receiver, float switch, alternator assembly.

23 22 23 13-0036 20 PSI Discharge Pressure (23 22 23 13-0035)

23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,332.58	778.44
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,538.54	854.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,849.61	861.64
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,296.14	939.15
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,899.35	939.15
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,025.25	1,012.09
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,103.46	1,056.54
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,285.87	1,108.97
23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,277.87	838.85
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,488.42	916.36
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,963.14	893.55
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,025.25	1,012.09
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,199.03	1,049.70
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,049.93	1,108.97
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,405.54	1,188.75
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,661.50	989.29
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,134.56	1,033.74
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,213.18	1,049.70
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,396.78	1,102.13
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,287.05	1,108.97
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,433.86	1,188.75
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,857.33	989.29
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,247.37	1,087.31
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,544.76	1,180.77
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,193.49	1,278.79
23 23 Refrigerant Piping (23 20)		
23 23 13 Refrigerant Piping Valves (23 23)		
23 23 13 00-0001 Ball Valves (23 23 13)		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated	49.72	12.37
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated	51.70	12.37
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated	68.99	12.37
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated	92.41	13.60
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated	129.16	15.46
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated	210.05	19.04
23 23 13 00-0009 Shut-Off Valves (23 23 13)		
23 23 13 00-0010 Packless (23 23 13 00-0009)		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless	65.59	12.87
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless	81.90	14.10
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless	167.38	19.30
23 23 13 00-0014 Packed (23 23 13 00-0009)		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed	297.04	28.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed.....	396.93	34.40
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed.....	483.35	38.72
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed.....	690.00	44.17
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed.....	1,147.67	123.73
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed.....	1,505.57	154.65
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed.....	2,140.18	206.25
23 23 13 00-0022 Check Valves (23 23 13)		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration.....	83.12	12.38
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration.....	260.37	13.61
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration.....	302.05	15.47
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration.....	406.62	16.46
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration.....	534.95	19.05
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration.....	792.40	22.52
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration.....	1,109.20	33.04
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration.....	1,466.63	43.30
23 23 13 00-0031 Solenoid Valves (23 23 13)		
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration.....	221.82	12.38
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration.....	227.11	12.38
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration.....	281.01	13.61
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration.....	281.01	13.61
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration.....	392.94	15.47
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration.....	629.72	16.46
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration.....	1,156.59	19.05
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration.....	1,173.89	22.52
23 23 16 Refrigerant Piping Specialties (23 23)		
23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)		
Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0427 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.18	2.94
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.43	3.02
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	5.67	3.10
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	6.09	3.15
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	6.27	3.20
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	7.06	3.36
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	7.76	3.40
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	8.49	3.53
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	10.97	4.13
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	13.96	4.74
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	20.20	5.61
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	24.38	6.27
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)		
Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0427 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.93	3.46
For Medical Applications "Oxygen Clean", Add	0.61	
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	7.80	3.46
For Medical Applications "Oxygen Clean", Add	0.65	
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	8.34	3.46
For Medical Applications "Oxygen Clean", Add	0.68	
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing.....	12.06	5.19
For Medical Applications "Oxygen Clean", Add	0.99	
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	13.16	5.57
For Medical Applications "Oxygen Clean", Add	1.08	
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	15.33	5.57
For Medical Applications "Oxygen Clean", Add	1.18	
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	19.10	6.44
For Medical Applications "Oxygen Clean", Add	1.44	
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	23.13	7.43
For Medical Applications "Oxygen Clean", Add	1.71	
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	32.76	9.27
For Medical Applications "Oxygen Clean", Add	2.33	
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	49.14	13.98
For Medical Applications "Oxygen Clean", Add	3.51	
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	63.58	17.33
For Medical Applications "Oxygen Clean", Add	4.48	
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	80.02	20.53
For Medical Applications "Oxygen Clean", Add	5.54	
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	98.94	24.74
For Medical Applications "Oxygen Clean", Add	6.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 23 Refrigerant Piping



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 23 16 00-0028		Refrigeration Fittings <small>(23 23 16)</small>		
23 23 16 00-0029		Brass Flare Fittings <small>(23 23 16 00-0028)</small>		
23 23 16 00-0030		Brass Flare Unions <small>(23 23 16 00-0029)</small>		
23 23 16 00-0031	EA	3/8" Brass Flare Union.....	28.43	13.36
23 23 16 00-0032	EA	1/2" Brass Flare Union.....	28.43	13.36
23 23 16 00-0033	EA	5/8" Brass Flare Union.....	30.61	13.36
23 23 16 00-0034		90 Degree Elbow Brass Flare Unions <small>(23 23 16 00-0029)</small>		
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union.....	29.75	13.36
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union.....	29.75	13.36
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union.....	37.07	13.36
23 23 16 00-0038		Brass Flare Tees <small>(23 23 16 00-0029)</small>		
23 23 16 00-0039	EA	3/8" Brass Flare Tee.....	45.88	22.25
23 23 16 00-0040	EA	1/2" Brass Flare Tee.....	49.14	22.25
23 23 16 00-0041	EA	5/8" Brass Flare Tee.....	66.89	22.25
23 23 16 00-0042		Male Connector, Half Brass Flare Unions <small>(23 23 16 00-0029)</small>		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union.....	22.43	13.36
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union.....	24.61	13.36
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union.....	27.72	13.36
23 23 16 00-0046		Female Connector, Half Brass Flare Unions <small>(23 23 16 00-0029)</small>		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union.....	25.24	13.36
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union.....	28.20	13.36
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union.....	28.20	13.36
23 23 16 00-0050		Long Forged Nuts <small>(23 23 16 00-0029)</small>		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut.....	23.76	13.36
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut.....	24.61	13.36
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut.....	34.10	13.36
23 23 16 00-0054		Short Forged Nuts <small>(23 23 16 00-0029)</small>		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut.....	22.52	13.36
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut.....	24.49	13.36
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut.....	24.90	13.36
23 23 16 00-0058		ACR Wrought Copper Fittings <small>(23 23 16 00-0028)</small>		
Note: Soldered.				
23 23 16 00-0059		ACR Wrought Copper Coupling <small>(23 23 16 00-0058)</small>		
Note: C x C				
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling.....	21.92	13.36
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling.....	21.57	13.36
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling.....	22.09	13.36
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling.....	22.77	13.98
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling.....	32.40	18.44
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling.....	31.92	18.93
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling.....	42.33	23.51
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling.....	60.76	32.17
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling.....	73.18	37.73
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling.....	96.19	45.78
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling.....	166.39	69.54
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling.....	221.84	91.43
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling.....	355.51	108.62
23 23 16 00-0073		ACR Wrought Copper Short Radius 90 Degree Elbows <small>(23 23 16 00-0058)</small>		
Note: C x C				
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	26.61	13.36
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	26.96	13.36
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	26.61	13.36
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	28.86	13.98
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	41.97	18.44
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	42.53	18.93
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	54.17	23.51
23 23 16 00-0081	EA	1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	67.58	32.17
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	86.79	37.73
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	123.53	45.78
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	214.17	69.54
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	275.28	91.43



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 23 16 00-0086	EA		4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	516.51	108.62
	23 23 16 00-0087			ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
				Note: C x C		
	23 23 16 00-0088	EA		1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	32.47	13.36
	23 23 16 00-0089	EA		3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	29.37	13.36
	23 23 16 00-0090	EA		1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	31.83	13.36
	23 23 16 00-0091	EA		5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	31.68	13.98
	23 23 16 00-0092	EA		3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	38.52	18.44
	23 23 16 00-0093	EA		7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	42.16	18.93
	23 23 16 00-0094	EA		1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	57.42	23.51
	23 23 16 00-0095	EA		1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	84.29	32.17
	23 23 16 00-0096	EA		1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	105.03	37.73
	23 23 16 00-0097	EA		2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	195.91	45.78
	23 23 16 00-0098	EA		2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	305.79	69.54
	23 23 16 00-0099	EA		3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	404.02	91.43
	23 23 16 00-100	EA		4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	877.86	108.62
	23 23 16 00-0101			ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
				Note: C x C		
	23 23 16 00-0102	EA		1/4" ACR Wrought Copper 45 Degree Elbow	36.73	13.36
	23 23 16 00-0103	EA		3/8" ACR Wrought Copper 45 Degree Elbow	32.47	13.36
	23 23 16 00-0104	EA		1/2" ACR Wrought Copper 45 Degree Elbow	30.66	13.36
	23 23 16 00-0105	EA		5/8" ACR Wrought Copper 45 Degree Elbow	25.32	13.98
	23 23 16 00-0106	EA		3/4" ACR Wrought Copper 45 Degree Elbow	46.50	18.44
	23 23 16 00-0107	EA		7/8" ACR Wrought Copper 45 Degree Elbow	35.89	18.93
	23 23 16 00-0108	EA		1-1/8" ACR Wrought Copper 45 Degree Elbow	54.13	23.51
	23 23 16 00-0109	EA		1-3/8" ACR Wrought Copper 45 Degree Elbow	73.59	32.17
	23 23 16 00-0110	EA		1-5/8" ACR Wrought Copper 45 Degree Elbow	87.17	37.73
	23 23 16 00-0111	EA		2-1/8" ACR Wrought Copper 45 Degree Elbow	119.56	45.78
	23 23 16 00-0112	EA		2-5/8" ACR Wrought Copper 45 Degree Elbow	212.84	69.54
	23 23 16 00-0113	EA		3-1/8" ACR Wrought Copper 45 Degree Elbow	288.70	91.43
	23 23 16 00-0114	EA		4-1/8" ACR Wrought Copper 45 Degree Elbow	485.83	108.62
	23 23 16 00-0115			ACR Wrought Copper Tee (23 23 16 00-0058)		
				Note: C x C x C		
	23 23 16 00-0116	EA		1/4" ACR Wrought Copper Tee	46.71	22.25
	23 23 16 00-0117	EA		3/8" ACR Wrought Copper Tee	47.46	22.25
	23 23 16 00-0118	EA		1/2" ACR Wrought Copper Tee	44.68	22.25
	23 23 16 00-0119	EA		5/8" ACR Wrought Copper Tee	46.02	28.09
	23 23 16 00-0120	EA		3/4" ACR Wrought Copper Tee	67.81	28.09
	23 23 16 00-0121	EA		7/8" ACR Wrought Copper Tee	52.32	28.46
	23 23 16 00-0122	EA		1-1/8" ACR Wrought Copper Tee	86.50	37.73
	23 23 16 00-0123	EA		1-3/8" ACR Wrought Copper Tee	108.97	45.78
	23 23 16 00-0124	EA		1-5/8" ACR Wrought Copper Tee	143.71	54.31
	23 23 16 00-0125	EA		2-1/8" ACR Wrought Copper Tee	205.69	72.38
	23 23 16 00-0126	EA		2-5/8" ACR Wrought Copper Tee	432.84	158.00
	23 23 16 00-0127	EA		3-1/8" ACR Wrought Copper Tee	541.72	173.71
	23 23 16 00-0128	EA		4-1/8" ACR Wrought Copper Tee	970.10	193.01
	23 23 16 00-0129			ACR Wrought Copper Male Adapter (23 23 16 00-0058)		
				Note: C x M		
	23 23 16 00-0130	EA		1/4" ACR Wrought Copper Male Adapter	40.96	13.36
	23 23 16 00-0131	EA		3/8" ACR Wrought Copper Male Adapter	47.77	13.36
	23 23 16 00-0132	EA		1/2" ACR Wrought Copper Male Adapter	36.46	13.36
	23 23 16 00-0133			ACR Wrought Copper Female Adapter (23 23 16 00-0058)		
				Note: C x F		
	23 23 16 00-0134	EA		1/4" ACR Wrought Copper Female Adapter	38.29	13.36
	23 23 16 00-0135	EA		3/8" ACR Wrought Copper Female Adapter	34.38	13.36
	23 23 16 00-0136	EA		1/2" ACR Wrought Copper Female Adapter	35.86	13.36
	23 23 16 00-0137			ACR Wrought Copper Cap (23 23 16 00-0058)		
				Note: C		
	23 23 16 00-0138	EA		1/4" ACR Wrought Copper Cap	16.58	8.91
	23 23 16 00-0139	EA		3/8" ACR Wrought Copper Cap	15.35	8.91
	23 23 16 00-0140	EA		1/2" ACR Wrought Copper Cap	16.55	8.91
	23 23 16 00-0141			ACR Wrought Copper P-Trap (23 23 16 00-0058)		
	23 23 16 00-0142	EA		5/8" ACR Wrought Copper P-Trap	112.97	11.40
	23 23 16 00-0143	EA		3/4" ACR Wrought Copper P-Trap	155.02	12.54
	23 23 16 00-0144	EA		7/8" ACR Wrought Copper P-Trap	132.99	12.54
	23 23 16 00-0145	EA		1-1/8" ACR Wrought Copper P-Trap	182.94	13.68
	23 23 16 00-0146	EA		1-3/8" ACR Wrought Copper P-Trap	318.91	13.68

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 23 Refrigerant Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0147	EA		1-5/8" ACR Wrought Copper P-Trap.....	453.52	14.81
23 23 16 00-0148	EA		2-1/8" ACR Wrought Copper P-Trap.....	831.99	15.96
23 23 16 00-0149			Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)		
23 23 16 00-0150	EA		1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	62.03	17.10
23 23 16 00-0151	EA		3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	75.27	20.52
23 23 16 00-0152	EA		1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	90.89	25.08
23 23 16 00-0153	EA		5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	99.98	28.49
23 23 16 00-0154	EA		7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	134.74	36.47
23 23 16 00-0155	EA		1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	155.94	44.45
23 23 16 00-0156	EA		1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	240.04	52.43
23 23 16 00-0157	EA		1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	296.30	71.80
23 23 16 00-0158	EA		2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	363.83	88.90
23 23 16 00-0159			Filter Driers, Solder Connections (23 23 16)		
23 23 16 00-0160			Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	550.91	10.25
23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	555.38	12.54
23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	709.77	12.54
23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	708.40	13.68
23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	790.25	14.81
23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	891.44	15.96
23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,042.00	17.10
23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,300.90	17.10
23 23 16 00-0169			Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	91.23	10.25
23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	116.56	10.25
23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	148.68	11.40
23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	171.91	11.40
23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	189.19	11.40
23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	217.57	11.40
23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	244.97	12.54
23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	357.47	12.54
23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	389.58	12.54
23 23 16 00-0179			Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	126.45	10.25
23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	141.63	10.25
23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	169.19	11.40
23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	151.57	10.25
23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	189.70	11.40
23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	221.09	11.40
23 23 16 00-0186			Refrigerant Compressor Discharge Mufflers (23 23 16)		
23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	114.80	10.25
23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	126.79	10.25
23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	152.74	10.25
23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	204.91	12.54
23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	267.57	12.54
23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	318.01	13.68
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	402.83	14.81
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	735.82	15.96
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	823.78	17.10
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,019.76	17.10
23 23 16 00-0197			Expansion Valves And Vibration Absorbers (23 23 16)		
23 23 16 00-0198			Thermostatic Expansion Valves (23 23 16 00-0197)		
			Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	242.73	10.25
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	337.94	11.40
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	573.14	11.40
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	679.50	12.54
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	736.49	12.54
23 23 16 00-0204			Electric Expansion Valves (23 23 16 00-0197)		
			Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve	588.12	14.25
			Note: Sporlan SEI.		
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve	680.64	14.81
			Note: Sporlan SEI.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0207 EA 50 Ton Electric Expansion Valve Note: Sporlan SEI.	773.68	15.39
23 23 16 00-0208 EA 100 Ton Electric Expansion Valve Note: Sporlan SEH.	909.88	15.39
23 23 16 00-0209 EA 175 Ton Electric Expansion Valve Note: Sporlan SEH.	1,024.35	15.96
23 23 16 00-0210 Braided Stainless Steel Over Copper Vibration Absorber <small>(23 23 16 00-0197)</small>		
23 23 16 00-0211 EA 1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	64.44	14.81
23 23 16 00-0212 EA 3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	65.13	17.10
23 23 16 00-0213 EA 1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	84.33	21.66
23 23 16 00-0214 EA 5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	91.06	26.21
23 23 16 00-0215 EA 3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	107.35	31.91
23 23 16 00-0216 EA 7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	124.17	36.47
23 23 16 00-0217 EA 1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	176.43	13.68
23 23 16 00-0218 EA 1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	247.94	14.81
23 23 16 00-0219 EA 1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	309.77	14.81
23 23 16 00-0220 EA 2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	422.73	15.96
23 23 16 00-0221 EA 2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	718.86	17.10
23 23 16 00-0222 EA 3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	941.60	17.10
23 23 16 00-0223 Accumulator, Refrigerant Suction Line <small>(23 23 16)</small>		
23 23 16 00-0224 EA 3/4" Accumulator, Refrigeration Suction Line	205.67	51.86
23 23 16 00-0225 EA 7/8" Accumulator, Refrigeration Suction Line	278.77	71.24
23 23 16 00-0226 EA 1-1/8" Accumulator, Refrigeration Suction Line	332.62	94.94
23 23 16 00-0227 EA 1 3/8" Accumulator, Refrigeration Suction Line	468.32	113.98
23 23 16 00-0228 EA 1-5/8" Accumulator, Refrigeration Suction Line	645.21	142.47
23 23 16 00-0229 EA 2-1/8" Accumulator, Refrigeration Suction Line	980.69	190.00
23 23 16 00-0230 Special Chemicals/Component <small>(23 23 16)</small>		
23 23 16 00-0231 GAL Special Chemical, Inhibited Propylene Glycol, 100%	41.46	
23 23 16 00-0232 GAL Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	8.84	
23 23 16 00-0233 GAL Special Chemical, Inhibited Ethylene Glycol, 100%.....	28.23	
23 23 16 00-0234 EA Internal Coil/Refrigerant Piping Flush	351.72	
Note: Up to 10 ton AC system.		
23 23 23 Refrigerants <small>(23 23)</small>		
23 23 23 00-0001 Refrigerant <small>(23 23 23)</small>		
23 23 23 00-0002 LB R-113 Refrigerant.....	58.19	
23 23 23 00-0003 LB R-123 Refrigerant.....	42.68	
23 23 23 00-0004 LB R-134A Refrigerant.....	15.21	
23 23 23 00-0005 LB R-404A Refrigerant.....	27.23	
23 23 23 00-0006 LB R-407C Refrigerant.....	26.93	
23 23 23 00-0007 LB R-408A Refrigerant.....	61.39	
23 23 23 00-0008 LB R-410A Refrigerant.....	26.39	
23 23 23 00-0009 LB R-500 Refrigerant.....	52.16	
23 23 23 00-0010 LB R-507 Refrigerant.....	16.79	
23 25 HVAC Water Treatment <small>(23 25)</small>		
23 25 13 Water Treatment for Closed-Loop Hydronic Systems <small>(23 25)</small>		
23 25 13 00-0001 Polyethylene Chemical Storage Tanks <small>(23 25 13)</small>		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	544.95	95.15
23 25 13 00-0003 Gas Chlorinator <small>(23 25 13)</small>		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,215.74	432.79
<i>For Booster Pump, Add</i>		
	481.76	
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,389.01	494.61
<i>For Booster Pump, Add</i>		
	550.70	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,897.24	374.67
<i>For Booster Pump, Add</i>		
	670.30	
23 25 13 00-0007 Bypass Shot Feeders <small>(23 25 13)</small>		
Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008 In Line Mount, 125 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	1,123.19	322.55

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 25 HVAC Water Treatment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0010			Floor Mount, 175 PSIG <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,654.62	485.53
23 25 13 00-0012	EA		12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,182.37	642.82
23 25 13 00-0013			Floor Mount, 150 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,654.62	485.53
23 25 13 00-0015	EA		10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	2,182.37	642.82
23 25 13 00-0016			Floor Mount, 300 LB ASME Code <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,039.33	485.53
23 25 13 00-0018	EA		10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,581.84	642.82

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts and Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003	LB		Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	13.15	3.49
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	<i>0.48</i>	
			<i>For Up To 200, Add</i>	<i>4.66</i>	
			<i>For >200 To 500, Add</i>	<i>2.96</i>	
			<i>For >500 To 1,000, Add</i>	<i>2.01</i>	
			<i>For >1,000 To 2,000, Add</i>	<i>1.12</i>	
			<i>For >2,000 To 5,000, Add</i>	<i>0.50</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>3.23</i>	
			<i>For Elevated Installation >10' To 15', Add</i>	<i>0.65</i>	
			<i>For Elevated Installation >15' To 20', Add</i>	<i>1.29</i>	
			<i>For Elevated Installation >20' To 25', Add</i>	<i>1.61</i>	
			<i>For Elevated Installation >25' To 30', Add</i>	<i>2.26</i>	
			<i>For Elevated Installation >30' To 35', Add</i>	<i>2.58</i>	
			<i>For Elevated Installation >35' To 40', Add</i>	<i>3.23</i>	
			<i>For Elevated Installation >40', Add</i>	<i>3.55</i>	
23 31 13 13-0004	LB		Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	15.00	3.49
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	<i>0.53</i>	
			<i>For Up To 200, Add</i>	<i>5.29</i>	
			<i>For >200 To 500, Add</i>	<i>3.36</i>	
			<i>For >500 To 1,000, Add</i>	<i>2.28</i>	
			<i>For >1,000 To 2,000, Add</i>	<i>1.28</i>	
			<i>For >2,000 To 5,000, Add</i>	<i>0.57</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>3.71</i>	
			<i>For Elevated Installation >10' To 15', Add</i>	<i>0.74</i>	
			<i>For Elevated Installation >15' To 20', Add</i>	<i>1.48</i>	
			<i>For Elevated Installation >20' To 25', Add</i>	<i>1.86</i>	
			<i>For Elevated Installation >25' To 30', Add</i>	<i>2.60</i>	
			<i>For Elevated Installation >30' To 35', Add</i>	<i>2.97</i>	
			<i>For Elevated Installation >35' To 40', Add</i>	<i>3.71</i>	
			<i>For Elevated Installation >40', Add</i>	<i>4.08</i>	
23 31 13 13-0005	LB		Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	17.93	3.49
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	<i>0.57</i>	
			<i>For Up To 200, Add</i>	<i>6.24</i>	
			<i>For >200 To 500, Add</i>	<i>3.94</i>	
			<i>For >500 To 1,000, Add</i>	<i>2.71</i>	
			<i>For >1,000 To 2,000, Add</i>	<i>1.52</i>	
			<i>For >2,000 To 5,000, Add</i>	<i>0.69</i>	
			<i>For Work In Restricted Working Space, Add</i>	<i>4.52</i>	
			<i>For Elevated Installation >10' To 15', Add</i>	<i>0.90</i>	
			<i>For Elevated Installation >15' To 20', Add</i>	<i>1.81</i>	
			<i>For Elevated Installation >20' To 25', Add</i>	<i>2.26</i>	
			<i>For Elevated Installation >25' To 30', Add</i>	<i>3.16</i>	
			<i>For Elevated Installation >30' To 35', Add</i>	<i>3.61</i>	
			<i>For Elevated Installation >35' To 40', Add</i>	<i>4.52</i>	
			<i>For Elevated Installation >40', Add</i>	<i>4.97</i>	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 13-0006	Alloy 3003-H14, Aluminum Sheet Metal Ductwork <small>(23 31 13 13-0001)</small> Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	25.63	3.49
	For Work In Restricted Working Space, Add	6.38	
	For Up To 200, Add	9.00	
	For >200 To 500, Add	5.71	
	For >500 To 1,000, Add	3.89	
	For >1,000 To 2,000, Add	2.18	
	For >2,000 To 5,000, Add	0.98	
	For Elevated Installation >10' To 15', Add	1.28	
	For Elevated Installation >15' To 20', Add	2.55	
	For Elevated Installation >20' To 25', Add	3.19	
	For Elevated Installation >25' To 30', Add	4.46	
	For Elevated Installation >30' To 35', Add	5.10	
	For Elevated Installation >35' To 40', Add	6.38	
	For Elevated Installation >40', Add	7.01	
23 31 13 13-0008	LB Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	29.06	3.49
	For Work In Restricted Working Space, Add	7.33	
	For Up To 200, Add	10.10	
	For >200 To 500, Add	6.39	
	For >500 To 1,000, Add	4.39	
	For >1,000 To 2,000, Add	2.46	
	For >2,000 To 5,000, Add	1.12	
	For Elevated Installation >10' To 15', Add	1.47	
	For Elevated Installation >15' To 20', Add	2.93	
	For Elevated Installation >20' To 25', Add	3.67	
	For Elevated Installation >25' To 30', Add	5.13	
	For Elevated Installation >30' To 35', Add	5.87	
	For Elevated Installation >35' To 40', Add	7.33	
	For Elevated Installation >40', Add	8.07	
23 31 13 13-0009	LB Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	34.62	3.49
	For Work In Restricted Working Space, Add	8.93	
	For Up To 200, Add	11.84	
	For >200 To 500, Add	7.45	
	For >500 To 1,000, Add	5.19	
	For >1,000 To 2,000, Add	2.92	
	For >2,000 To 5,000, Add	1.34	
	For Elevated Installation >10' To 15', Add	1.79	
	For Elevated Installation >15' To 20', Add	3.57	
	For Elevated Installation >20' To 25', Add	4.46	
	For Elevated Installation >25' To 30', Add	6.25	
	For Elevated Installation >30' To 35', Add	7.14	
	For Elevated Installation >35' To 40', Add	8.93	
	For Elevated Installation >40', Add	9.82	
23 31 13 13-0010	Type 304, Stainless Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small> Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork.....	18.93	4.65
	For Work In Restricted Working Space, Add	3.92	
	For Welded Seams, Add	6.82	
	For Up To 200, Add	7.44	
	For >200 To 500, Add	4.87	
	For >500 To 1,000, Add	3.06	
	For >1,000 To 2,000, Add	1.69	
	For >2,000 To 5,000, Add	0.70	
	For Elevated Installation >10' To 15', Add	0.78	
	For Elevated Installation >15' To 20', Add	1.57	
	For Elevated Installation >20' To 25', Add	1.96	
	For Elevated Installation >25' To 30', Add	2.74	
	For Elevated Installation >30' To 35', Add	3.13	
	For Elevated Installation >35' To 40', Add	3.92	
	For Elevated Installation >40', Add	4.31	
23 31 13 13-0012	LB Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork.....	21.86	4.65
	For Work In Restricted Working Space, Add	4.73	
	For Welded Seams, Add	8.18	
	For Up To 200, Add	8.39	
	For >200 To 500, Add	5.46	
	For >500 To 1,000, Add	3.49	
	For >1,000 To 2,000, Add	1.93	
	For >2,000 To 5,000, Add	0.81	
	For Elevated Installation >10' To 15', Add	0.95	
	For Elevated Installation >15' To 20', Add	1.89	
	For Elevated Installation >20' To 25', Add	2.36	
	For Elevated Installation >25' To 30', Add	3.31	
	For Elevated Installation >30' To 35', Add	3.78	
	For Elevated Installation >35' To 40', Add	4.73	
	For Elevated Installation >40', Add	5.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0013	LB Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork.....	24.63	4.65
			<i>For Work In Restricted Working Space, Add</i>	5.48	
			<i>For Welded Seams, Add</i>	9.46	
			<i>For Up To 200, Add</i>	9.29	
			<i>For >200 To 500, Add</i>	6.02	
			<i>For >500 To 1,000, Add</i>	3.89	
			<i>For >1,000 To 2,000, Add</i>	2.16	
			<i>For >2,000 To 5,000, Add</i>	0.92	
			<i>For Elevated Installation >10' To 15', Add</i>	1.10	
			<i>For Elevated Installation >15' To 20', Add</i>	2.19	
			<i>For Elevated Installation >20' To 25', Add</i>	2.74	
			<i>For Elevated Installation >25' To 30', Add</i>	3.84	
			<i>For Elevated Installation >30' To 35', Add</i>	4.39	
			<i>For Elevated Installation >35' To 40', Add</i>	5.48	
			<i>For Elevated Installation >40', Add</i>	6.03	
23 31	13	13-0014	Galvanized Steel Sheet Metal Ductwork By LF (23 31 13 13-0001)		
			Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31	13	13-0015	30 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31	13	13-0016	LF 4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	13.95	7.18
			<i>For Seal Class B, Add</i>	1.80	
			<i>For Seal Class A, Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	3.59	
23 31	13	13-0017	LF 4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	17.42	8.98
			<i>For Seal Class B, Add</i>	2.25	
			<i>For Seal Class A, Add</i>	4.79	
			<i>For Work In Restricted Working Space, Add</i>	4.49	
23 31	13	13-0018	LF 4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.92	10.78
			<i>For Seal Class B, Add</i>	2.69	
			<i>For Seal Class A, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	5.39	
23 31	13	13-0019	LF 4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.39	12.57
			<i>For Seal Class B, Add</i>	3.14	
			<i>For Seal Class A, Add</i>	6.70	
			<i>For Work In Restricted Working Space, Add</i>	6.29	
23 31	13	13-0020	LF 4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.88	14.36
			<i>For Seal Class B, Add</i>	3.59	
			<i>For Seal Class A, Add</i>	7.66	
			<i>For Work In Restricted Working Space, Add</i>	7.18	
23 31	13	13-0021	LF 4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.36	16.17
			<i>For Seal Class B, Add</i>	4.04	
			<i>For Seal Class A, Add</i>	8.62	
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 31	13	13-0022	LF 4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.84	17.96
			<i>For Seal Class B, Add</i>	4.49	
			<i>For Seal Class A, Add</i>	9.58	
			<i>For Work In Restricted Working Space, Add</i>	8.98	
23 31	13	13-0023	LF 6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.92	10.78
			<i>For Seal Class B, Add</i>	2.69	
			<i>For Seal Class A, Add</i>	5.75	
			<i>For Work In Restricted Working Space, Add</i>	5.39	
23 31	13	13-0024	LF 6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.39	12.57
			<i>For Seal Class B, Add</i>	3.14	
			<i>For Seal Class A, Add</i>	6.70	
			<i>For Work In Restricted Working Space, Add</i>	6.29	
23 31	13	13-0025	LF 6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.88	14.36
			<i>For Seal Class B, Add</i>	3.59	
			<i>For Seal Class A, Add</i>	7.66	
			<i>For Work In Restricted Working Space, Add</i>	7.18	
23 31	13	13-0026	LF 6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.36	16.17
			<i>For Seal Class B, Add</i>	4.04	
			<i>For Seal Class A, Add</i>	8.62	
			<i>For Work In Restricted Working Space, Add</i>	8.08	
23 31	13	13-0027	LF 6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.84	17.96
			<i>For Seal Class B, Add</i>	4.49	
			<i>For Seal Class A, Add</i>	9.58	
			<i>For Work In Restricted Working Space, Add</i>	8.98	
23 31	13	13-0028	LF 6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.34	19.75
			<i>For Seal Class B, Add</i>	4.94	
			<i>For Seal Class A, Add</i>	10.54	
			<i>For Work In Restricted Working Space, Add</i>	9.88	
23 31	13	13-0029	LF 8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.88	14.36
			<i>For Seal Class B, Add</i>	3.59	
			<i>For Seal Class A, Add</i>	7.66	
			<i>For Work In Restricted Working Space, Add</i>	7.18	
23 31	13	13-0030	LF 8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.36	16.17
			<i>For Seal Class B, Add</i>	4.04	
			<i>For Seal Class A, Add</i>	8.62	
			<i>For Work In Restricted Working Space, Add</i>	8.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0031 LF 8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.84	17.96
<i>For Seal Class B, Add</i>	4.49	
<i>For Seal Class A, Add</i>	9.58	
<i>For Work In Restricted Working Space, Add</i>	8.98	
23 31 13 13-0032 LF 8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.34	19.75
<i>For Seal Class B, Add</i>	4.94	
<i>For Seal Class A, Add</i>	10.54	
<i>For Work In Restricted Working Space, Add</i>	9.88	
23 31 13 13-0033 LF 8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.81	21.55
<i>For Seal Class B, Add</i>	5.39	
<i>For Seal Class A, Add</i>	11.49	
<i>For Work In Restricted Working Space, Add</i>	10.78	
23 31 13 13-0034 LF 8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.30	23.35
<i>For Seal Class B, Add</i>	5.84	
<i>For Seal Class A, Add</i>	12.45	
<i>For Work In Restricted Working Space, Add</i>	11.67	
23 31 13 13-0035 LF 8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.78	25.14
<i>For Seal Class B, Add</i>	6.29	
<i>For Seal Class A, Add</i>	13.41	
<i>For Work In Restricted Working Space, Add</i>	12.57	
23 31 13 13-0036 LF 8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.28	26.94
<i>For Seal Class B, Add</i>	6.74	
<i>For Seal Class A, Add</i>	14.37	
<i>For Work In Restricted Working Space, Add</i>	13.47	
23 31 13 13-0037 LF 8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.75	28.74
<i>For Seal Class B, Add</i>	7.18	
<i>For Seal Class A, Add</i>	15.32	
<i>For Work In Restricted Working Space, Add</i>	14.37	
23 31 13 13-0038 LF 10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.84	17.96
<i>For Seal Class B, Add</i>	4.49	
<i>For Seal Class A, Add</i>	9.58	
<i>For Work In Restricted Working Space, Add</i>	8.98	
23 31 13 13-0039 LF 10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.34	19.75
<i>For Seal Class B, Add</i>	4.94	
<i>For Seal Class A, Add</i>	10.54	
<i>For Work In Restricted Working Space, Add</i>	9.88	
23 31 13 13-0040 LF 10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.81	21.55
<i>For Seal Class B, Add</i>	5.39	
<i>For Seal Class A, Add</i>	11.49	
<i>For Work In Restricted Working Space, Add</i>	10.78	
23 31 13 13-0041 LF 10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.30	23.35
<i>For Seal Class B, Add</i>	5.84	
<i>For Seal Class A, Add</i>	12.45	
<i>For Work In Restricted Working Space, Add</i>	11.67	
23 31 13 13-0042 LF 10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.78	25.14
<i>For Seal Class B, Add</i>	6.29	
<i>For Seal Class A, Add</i>	13.41	
<i>For Work In Restricted Working Space, Add</i>	12.57	
23 31 13 13-0043 LF 10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.28	26.94
<i>For Seal Class B, Add</i>	6.74	
<i>For Seal Class A, Add</i>	14.37	
<i>For Work In Restricted Working Space, Add</i>	13.47	
23 31 13 13-0044 LF 10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.75	28.74
<i>For Seal Class B, Add</i>	7.18	
<i>For Seal Class A, Add</i>	15.32	
<i>For Work In Restricted Working Space, Add</i>	14.37	
23 31 13 13-0045 LF 10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.26	30.53
<i>For Seal Class B, Add</i>	7.63	
<i>For Seal Class A, Add</i>	16.28	
<i>For Work In Restricted Working Space, Add</i>	15.27	
23 31 13 13-0046 LF 12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.81	21.55
<i>For Seal Class B, Add</i>	5.39	
<i>For Seal Class A, Add</i>	11.49	
<i>For Work In Restricted Working Space, Add</i>	10.78	
23 31 13 13-0047 LF 12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.30	23.35
<i>For Seal Class B, Add</i>	5.84	
<i>For Seal Class A, Add</i>	12.45	
<i>For Work In Restricted Working Space, Add</i>	11.67	
23 31 13 13-0048 LF 12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.78	25.14
<i>For Seal Class B, Add</i>	6.29	
<i>For Seal Class A, Add</i>	13.41	
<i>For Work In Restricted Working Space, Add</i>	12.57	
23 31 13 13-0049 LF 12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.28	26.94
<i>For Seal Class B, Add</i>	6.74	
<i>For Seal Class A, Add</i>	14.37	
<i>For Work In Restricted Working Space, Add</i>	13.47	
23 31 13 13-0050 LF 12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.75	28.74
<i>For Seal Class B, Add</i>	7.18	
<i>For Seal Class A, Add</i>	15.32	
<i>For Work In Restricted Working Space, Add</i>	14.37	
23 31 13 13-0051 LF 12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.26	30.53
<i>For Seal Class B, Add</i>	7.63	
<i>For Seal Class A, Add</i>	16.28	
<i>For Work In Restricted Working Space, Add</i>	15.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.74	32.33
			<i>For Seal Class B, Add</i>	8.08	
			<i>For Seal Class A, Add</i>	17.24	
			<i>For Work In Restricted Working Space, Add</i>	16.17	
23 31 13	13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.78	25.14
			<i>For Seal Class B, Add</i>	6.29	
			<i>For Seal Class A, Add</i>	13.41	
			<i>For Work In Restricted Working Space, Add</i>	12.57	
23 31 13	13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.28	26.94
			<i>For Seal Class B, Add</i>	6.74	
			<i>For Seal Class A, Add</i>	14.37	
			<i>For Work In Restricted Working Space, Add</i>	13.47	
23 31 13	13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.75	28.74
			<i>For Seal Class B, Add</i>	7.18	
			<i>For Seal Class A, Add</i>	15.32	
			<i>For Work In Restricted Working Space, Add</i>	14.37	
23 31 13	13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.26	30.53
			<i>For Seal Class B, Add</i>	7.63	
			<i>For Seal Class A, Add</i>	16.28	
			<i>For Work In Restricted Working Space, Add</i>	15.27	
23 31 13	13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.74	32.33
			<i>For Seal Class B, Add</i>	8.08	
			<i>For Seal Class A, Add</i>	17.24	
			<i>For Work In Restricted Working Space, Add</i>	16.17	
23 31 13	13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.22	34.13
			<i>For Seal Class B, Add</i>	8.53	
			<i>For Seal Class A, Add</i>	18.20	
			<i>For Work In Restricted Working Space, Add</i>	17.06	
23 31 13	13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.75	28.74
			<i>For Seal Class B, Add</i>	7.18	
			<i>For Seal Class A, Add</i>	15.32	
			<i>For Work In Restricted Working Space, Add</i>	14.37	
23 31 13	13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.26	30.53
			<i>For Seal Class B, Add</i>	7.63	
			<i>For Seal Class A, Add</i>	16.28	
			<i>For Work In Restricted Working Space, Add</i>	15.27	
23 31 13	13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.74	32.33
			<i>For Seal Class B, Add</i>	8.08	
			<i>For Seal Class A, Add</i>	17.24	
			<i>For Work In Restricted Working Space, Add</i>	16.17	
23 31 13	13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.22	34.13
			<i>For Seal Class B, Add</i>	8.53	
			<i>For Seal Class A, Add</i>	18.20	
			<i>For Work In Restricted Working Space, Add</i>	17.06	
23 31 13	13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.69	35.92
			<i>For Seal Class B, Add</i>	8.98	
			<i>For Seal Class A, Add</i>	19.16	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 31 13	13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.74	32.33
			<i>For Seal Class B, Add</i>	8.08	
			<i>For Seal Class A, Add</i>	17.24	
			<i>For Work In Restricted Working Space, Add</i>	16.17	
23 31 13	13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.22	34.13
			<i>For Seal Class B, Add</i>	8.53	
			<i>For Seal Class A, Add</i>	18.20	
			<i>For Work In Restricted Working Space, Add</i>	17.06	
23 31 13	13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.69	35.92
			<i>For Seal Class B, Add</i>	8.98	
			<i>For Seal Class A, Add</i>	19.16	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 31 13	13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.16	37.72
			<i>For Seal Class B, Add</i>	9.43	
			<i>For Seal Class A, Add</i>	20.11	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
23 31 13	13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.69	35.92
			<i>For Seal Class B, Add</i>	8.98	
			<i>For Seal Class A, Add</i>	19.16	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
23 31 13	13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.16	37.72
			<i>For Seal Class B, Add</i>	9.43	
			<i>For Seal Class A, Add</i>	20.11	
			<i>For Work In Restricted Working Space, Add</i>	18.86	
23 31 13	13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.67	39.51
			<i>For Seal Class B, Add</i>	9.88	
			<i>For Seal Class A, Add</i>	21.07	
			<i>For Work In Restricted Working Space, Add</i>	19.76	
23 31 13	13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.67	39.51
			<i>For Seal Class B, Add</i>	9.88	
			<i>For Seal Class A, Add</i>	21.07	
			<i>For Work In Restricted Working Space, Add</i>	19.76	
23 31 13	13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.14	41.31
			<i>For Seal Class B, Add</i>	10.33	
			<i>For Seal Class A, Add</i>	22.03	
			<i>For Work In Restricted Working Space, Add</i>	20.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0073 LF 24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.64	43.11
For Seal Class B, Add	10.78	
For Seal Class A, Add	22.99	
For Work In Restricted Working Space, Add	21.55	
23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0075 LF 4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	16.59	8.55
For Seal Class B, Add	2.14	
For Seal Class A, Add	4.56	
For Work In Restricted Working Space, Add	4.28	
23 31 13 13-0076 LF 4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.75	10.69
For Seal Class B, Add	2.67	
For Seal Class A, Add	5.70	
For Work In Restricted Working Space, Add	5.35	
23 31 13 13-0077 LF 4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.90	12.83
For Seal Class B, Add	3.21	
For Seal Class A, Add	6.84	
For Work In Restricted Working Space, Add	6.42	
23 31 13 13-0078 LF 4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.04	14.97
For Seal Class B, Add	3.74	
For Seal Class A, Add	7.98	
For Work In Restricted Working Space, Add	7.49	
23 31 13 13-0079 LF 4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.19	17.11
For Seal Class B, Add	4.28	
For Seal Class A, Add	9.12	
For Work In Restricted Working Space, Add	8.55	
23 31 13 13-0080 LF 4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.32	19.24
For Seal Class B, Add	4.81	
For Seal Class A, Add	10.26	
For Work In Restricted Working Space, Add	9.62	
23 31 13 13-0081 LF 4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.48	21.39
For Seal Class B, Add	5.35	
For Seal Class A, Add	11.40	
For Work In Restricted Working Space, Add	10.69	
23 31 13 13-0082 LF 6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.90	12.83
For Seal Class B, Add	3.21	
For Seal Class A, Add	6.84	
For Work In Restricted Working Space, Add	6.42	
23 31 13 13-0083 LF 6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.04	14.97
For Seal Class B, Add	3.74	
For Seal Class A, Add	7.98	
For Work In Restricted Working Space, Add	7.49	
23 31 13 13-0084 LF 6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.19	17.11
For Seal Class B, Add	4.28	
For Seal Class A, Add	9.12	
For Work In Restricted Working Space, Add	8.55	
23 31 13 13-0085 LF 6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.32	19.24
For Seal Class B, Add	4.81	
For Seal Class A, Add	10.26	
For Work In Restricted Working Space, Add	9.62	
23 31 13 13-0086 LF 6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.48	21.39
For Seal Class B, Add	5.35	
For Seal Class A, Add	11.40	
For Work In Restricted Working Space, Add	10.69	
23 31 13 13-0087 LF 6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.64	23.52
For Seal Class B, Add	5.88	
For Seal Class A, Add	12.54	
For Work In Restricted Working Space, Add	11.76	
23 31 13 13-0088 LF 8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.19	17.11
For Seal Class B, Add	4.28	
For Seal Class A, Add	9.12	
For Work In Restricted Working Space, Add	8.55	
23 31 13 13-0089 LF 8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.32	19.24
For Seal Class B, Add	4.81	
For Seal Class A, Add	10.26	
For Work In Restricted Working Space, Add	9.62	
23 31 13 13-0090 LF 8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.48	21.39
For Seal Class B, Add	5.35	
For Seal Class A, Add	11.40	
For Work In Restricted Working Space, Add	10.69	
23 31 13 13-0091 LF 8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.64	23.52
For Seal Class B, Add	5.88	
For Seal Class A, Add	12.54	
For Work In Restricted Working Space, Add	11.76	
23 31 13 13-0092 LF 8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.78	25.65
For Seal Class B, Add	6.41	
For Seal Class A, Add	13.68	
For Work In Restricted Working Space, Add	12.83	
23 31 13 13-0093 LF 8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.93	27.80
For Seal Class B, Add	6.95	
For Seal Class A, Add	14.83	
For Work In Restricted Working Space, Add	13.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13	13-0094	LF 8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.09	29.94
		<i>For Seal Class B, Add</i>	7.48	
		<i>For Seal Class A, Add</i>	15.96	
		<i>For Work In Restricted Working Space, Add</i>	14.97	
23 31 13	13-0095	LF 8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.22	32.06
		<i>For Seal Class B, Add</i>	8.02	
		<i>For Seal Class A, Add</i>	17.10	
		<i>For Work In Restricted Working Space, Add</i>	16.04	
23 31 13	13-0096	LF 8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.39	34.21
		<i>For Seal Class B, Add</i>	8.55	
		<i>For Seal Class A, Add</i>	18.24	
		<i>For Work In Restricted Working Space, Add</i>	17.10	
23 31 13	13-0097	LF 10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.48	21.39
		<i>For Seal Class B, Add</i>	5.35	
		<i>For Seal Class A, Add</i>	11.40	
		<i>For Work In Restricted Working Space, Add</i>	10.69	
23 31 13	13-0098	LF 10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.64	23.52
		<i>For Seal Class B, Add</i>	5.88	
		<i>For Seal Class A, Add</i>	12.54	
		<i>For Work In Restricted Working Space, Add</i>	11.76	
23 31 13	13-0099	LF 10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.78	25.65
		<i>For Seal Class B, Add</i>	6.41	
		<i>For Seal Class A, Add</i>	13.68	
		<i>For Work In Restricted Working Space, Add</i>	12.83	
23 31 13	13-0100	LF 10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.93	27.80
		<i>For Seal Class B, Add</i>	6.95	
		<i>For Seal Class A, Add</i>	14.83	
		<i>For Work In Restricted Working Space, Add</i>	13.90	
23 31 13	13-0101	LF 10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.09	29.94
		<i>For Seal Class B, Add</i>	7.48	
		<i>For Seal Class A, Add</i>	15.96	
		<i>For Work In Restricted Working Space, Add</i>	14.97	
23 31 13	13-0102	LF 10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.22	32.06
		<i>For Seal Class B, Add</i>	8.02	
		<i>For Seal Class A, Add</i>	17.10	
		<i>For Work In Restricted Working Space, Add</i>	16.04	
23 31 13	13-0103	LF 10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.39	34.21
		<i>For Seal Class B, Add</i>	8.55	
		<i>For Seal Class A, Add</i>	18.24	
		<i>For Work In Restricted Working Space, Add</i>	17.10	
23 31 13	13-0104	LF 10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.54	36.35
		<i>For Seal Class B, Add</i>	9.09	
		<i>For Seal Class A, Add</i>	19.39	
		<i>For Work In Restricted Working Space, Add</i>	18.18	
23 31 13	13-0105	LF 12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.78	25.65
		<i>For Seal Class B, Add</i>	6.41	
		<i>For Seal Class A, Add</i>	13.68	
		<i>For Work In Restricted Working Space, Add</i>	12.83	
23 31 13	13-0106	LF 12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.93	27.80
		<i>For Seal Class B, Add</i>	6.95	
		<i>For Seal Class A, Add</i>	14.83	
		<i>For Work In Restricted Working Space, Add</i>	13.90	
23 31 13	13-0107	LF 12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.09	29.94
		<i>For Seal Class B, Add</i>	7.48	
		<i>For Seal Class A, Add</i>	15.96	
		<i>For Work In Restricted Working Space, Add</i>	14.97	
23 31 13	13-0108	LF 12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.22	32.06
		<i>For Seal Class B, Add</i>	8.02	
		<i>For Seal Class A, Add</i>	17.10	
		<i>For Work In Restricted Working Space, Add</i>	16.04	
23 31 13	13-0109	LF 12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.39	34.21
		<i>For Seal Class B, Add</i>	8.55	
		<i>For Seal Class A, Add</i>	18.24	
		<i>For Work In Restricted Working Space, Add</i>	17.10	
23 31 13	13-0110	LF 12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.54	36.35
		<i>For Seal Class B, Add</i>	9.09	
		<i>For Seal Class A, Add</i>	19.39	
		<i>For Work In Restricted Working Space, Add</i>	18.18	
23 31 13	13-0111	LF 12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.68	38.48
		<i>For Seal Class B, Add</i>	9.62	
		<i>For Seal Class A, Add</i>	20.53	
		<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13	13-0112	LF 14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.09	29.94
		<i>For Seal Class B, Add</i>	7.48	
		<i>For Seal Class A, Add</i>	15.96	
		<i>For Work In Restricted Working Space, Add</i>	14.97	
23 31 13	13-0113	LF 14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.22	32.06
		<i>For Seal Class B, Add</i>	8.02	
		<i>For Seal Class A, Add</i>	17.10	
		<i>For Work In Restricted Working Space, Add</i>	16.04	
23 31 13	13-0114	LF 14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.39	34.21
		<i>For Seal Class B, Add</i>	8.55	
		<i>For Seal Class A, Add</i>	18.24	
		<i>For Work In Restricted Working Space, Add</i>	17.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0115 LF 14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.54	36.35
For Seal Class B, Add	9.09	
For Seal Class A, Add	19.39	
For Work In Restricted Working Space, Add	18.18	
23 31 13 13-0116 LF 14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.68	38.48
For Seal Class B, Add	9.62	
For Seal Class A, Add	20.53	
For Work In Restricted Working Space, Add	19.25	
23 31 13 13-0117 LF 14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.62
For Seal Class B, Add	10.16	
For Seal Class A, Add	21.67	
For Work In Restricted Working Space, Add	20.31	
23 31 13 13-0118 LF 16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.39	34.21
For Seal Class B, Add	8.55	
For Seal Class A, Add	18.24	
For Work In Restricted Working Space, Add	17.10	
23 31 13 13-0119 LF 16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.54	36.35
For Seal Class B, Add	9.09	
For Seal Class A, Add	19.39	
For Work In Restricted Working Space, Add	18.18	
23 31 13 13-0120 LF 16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.68	38.48
For Seal Class B, Add	9.62	
For Seal Class A, Add	20.53	
For Work In Restricted Working Space, Add	19.25	
23 31 13 13-0121 LF 16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.62
For Seal Class B, Add	10.16	
For Seal Class A, Add	21.67	
For Work In Restricted Working Space, Add	20.31	
23 31 13 13-0122 LF 16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.98	42.76
For Seal Class B, Add	10.69	
For Seal Class A, Add	22.81	
For Work In Restricted Working Space, Add	21.38	
23 31 13 13-0123 LF 18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.68	38.48
For Seal Class B, Add	9.62	
For Seal Class A, Add	20.53	
For Work In Restricted Working Space, Add	19.25	
23 31 13 13-0124 LF 18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.62
For Seal Class B, Add	10.16	
For Seal Class A, Add	21.67	
For Work In Restricted Working Space, Add	20.31	
23 31 13 13-0125 LF 18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.98	42.76
For Seal Class B, Add	10.69	
For Seal Class A, Add	22.81	
For Work In Restricted Working Space, Add	21.38	
23 31 13 13-0126 LF 18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.12	44.91
For Seal Class B, Add	11.23	
For Seal Class A, Add	23.95	
For Work In Restricted Working Space, Add	22.45	
23 31 13 13-0127 LF 20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.98	42.76
For Seal Class B, Add	10.69	
For Seal Class A, Add	22.81	
For Work In Restricted Working Space, Add	21.38	
23 31 13 13-0128 LF 20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.12	44.91
For Seal Class B, Add	11.23	
For Seal Class A, Add	23.95	
For Work In Restricted Working Space, Add	22.45	
23 31 13 13-0129 LF 20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.29	47.04
For Seal Class B, Add	11.76	
For Seal Class A, Add	25.09	
For Work In Restricted Working Space, Add	23.52	
23 31 13 13-0130 LF 22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.29	47.04
For Seal Class B, Add	11.76	
For Seal Class A, Add	25.09	
For Work In Restricted Working Space, Add	23.52	
23 31 13 13-0131 LF 22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.42	49.18
For Seal Class B, Add	12.29	
For Seal Class A, Add	26.23	
For Work In Restricted Working Space, Add	24.59	
23 31 13 13-0132 LF 24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.57	51.32
For Seal Class B, Add	12.83	
For Seal Class A, Add	27.37	
For Work In Restricted Working Space, Add	25.66	
23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>	19.26	
23 31 13 13-0134 LF 4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.26	9.92
For Seal Class B, Add	2.48	
For Seal Class A, Add	5.29	
For Work In Restricted Working Space, Add	4.96	
23 31 13 13-0135 LF 4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.06	12.40
For Seal Class B, Add	3.10	
For Seal Class A, Add	6.61	
For Work In Restricted Working Space, Add	6.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.87 3.72 7.94 7.44	14.88
23 31 13	13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.69 4.34 9.26 8.68	17.37
23 31 13	13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.50 4.96 10.58 9.92	19.85
23 31 13	13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.31 5.58 11.90 11.16	22.33
23 31 13	13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.13 6.20 13.23 12.41	24.80
23 31 13	13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.87 3.72 7.94 7.44	14.88
23 31 13	13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.69 4.34 9.26 8.68	17.37
23 31 13	13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.50 4.96 10.58 9.92	19.85
23 31 13	13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.31 5.58 11.90 11.16	22.33
23 31 13	13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.13 6.20 13.23 12.41	24.80
23 31 13	13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.95 6.82 14.55 13.64	27.28
23 31 13	13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.50 4.96 10.58 9.92	19.85
23 31 13	13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.31 5.58 11.90 11.16	22.33
23 31 13	13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.14 6.20 13.23 12.41	24.80
23 31 13	13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.95 6.82 14.55 13.64	27.28
23 31 13	13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.76 7.44 15.88 14.88	29.76
23 31 13	13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.56 8.06 17.20 16.12	32.25
23 31 13	13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.37 8.68 18.52 17.36	34.72
23 31 13	13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.19 9.30 19.84 18.60	37.20
23 31 13	13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.01 9.92 21.16 19.84	39.68
23 31 13	13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.14 6.20 13.23 12.41	24.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0157 LF 10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.94	27.28
For Seal Class B, Add	6.82	
For Seal Class A, Add	14.55	
For Work In Restricted Working Space, Add	13.64	
23 31 13 13-0158 LF 10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.76	29.76
For Seal Class B, Add	7.44	
For Seal Class A, Add	15.88	
For Work In Restricted Working Space, Add	14.88	
23 31 13 13-0159 LF 10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.56	32.25
For Seal Class B, Add	8.06	
For Seal Class A, Add	17.20	
For Work In Restricted Working Space, Add	16.12	
23 31 13 13-0160 LF 10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.37	34.72
For Seal Class B, Add	8.68	
For Seal Class A, Add	18.52	
For Work In Restricted Working Space, Add	17.36	
23 31 13 13-0161 LF 10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.19	37.20
For Seal Class B, Add	9.30	
For Seal Class A, Add	19.84	
For Work In Restricted Working Space, Add	18.60	
23 31 13 13-0162 LF 10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.01	39.68
For Seal Class B, Add	9.92	
For Seal Class A, Add	21.16	
For Work In Restricted Working Space, Add	19.84	
23 31 13 13-0163 LF 10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.83	42.18
For Seal Class B, Add	10.54	
For Seal Class A, Add	22.49	
For Work In Restricted Working Space, Add	21.09	
23 31 13 13-0164 LF 12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.76	29.76
For Seal Class B, Add	7.44	
For Seal Class A, Add	15.88	
For Work In Restricted Working Space, Add	14.88	
23 31 13 13-0165 LF 12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.56	32.25
For Seal Class B, Add	8.06	
For Seal Class A, Add	17.20	
For Work In Restricted Working Space, Add	16.12	
23 31 13 13-0166 LF 12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.37	34.72
For Seal Class B, Add	8.68	
For Seal Class A, Add	18.52	
For Work In Restricted Working Space, Add	17.36	
23 31 13 13-0167 LF 12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.19	37.20
For Seal Class B, Add	9.30	
For Seal Class A, Add	19.84	
For Work In Restricted Working Space, Add	18.60	
23 31 13 13-0168 LF 12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.01	39.68
For Seal Class B, Add	9.92	
For Seal Class A, Add	21.16	
For Work In Restricted Working Space, Add	19.84	
23 31 13 13-0169 LF 12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.83	42.18
For Seal Class B, Add	10.54	
For Seal Class A, Add	22.49	
For Work In Restricted Working Space, Add	21.09	
23 31 13 13-0170 LF 12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.62	44.65
For Seal Class B, Add	11.16	
For Seal Class A, Add	23.81	
For Work In Restricted Working Space, Add	22.32	
23 31 13 13-0171 LF 14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.37	34.72
For Seal Class B, Add	8.68	
For Seal Class A, Add	18.52	
For Work In Restricted Working Space, Add	17.36	
23 31 13 13-0172 LF 14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.19	37.20
For Seal Class B, Add	9.30	
For Seal Class A, Add	19.84	
For Work In Restricted Working Space, Add	18.60	
23 31 13 13-0173 LF 14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.01	39.68
For Seal Class B, Add	9.92	
For Seal Class A, Add	21.16	
For Work In Restricted Working Space, Add	19.84	
23 31 13 13-0174 LF 14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.83	42.18
For Seal Class B, Add	10.54	
For Seal Class A, Add	22.49	
For Work In Restricted Working Space, Add	21.09	
23 31 13 13-0175 LF 14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.62	44.65
For Seal Class B, Add	11.16	
For Seal Class A, Add	23.81	
For Work In Restricted Working Space, Add	22.32	
23 31 13 13-0176 LF 14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.46	47.13
For Seal Class B, Add	11.78	
For Seal Class A, Add	25.14	
For Work In Restricted Working Space, Add	23.57	
23 31 13 13-0177 LF 16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	77.01	39.68
For Seal Class B, Add	9.92	
For Seal Class A, Add	21.16	
For Work In Restricted Working Space, Add	19.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0178 LF 16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.83	42.18
For Seal Class B, Add	10.54	
For Seal Class A, Add	22.49	
For Work In Restricted Working Space, Add	21.09	
23 31 13 13-0179 LF 16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.62	44.65
For Seal Class B, Add	11.16	
For Seal Class A, Add	23.81	
For Work In Restricted Working Space, Add	22.32	
23 31 13 13-0180 LF 16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.46	47.13
For Seal Class B, Add	11.78	
For Seal Class A, Add	25.14	
For Work In Restricted Working Space, Add	23.57	
23 31 13 13-0181 LF 16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.26	49.61
For Seal Class B, Add	12.40	
For Seal Class A, Add	26.46	
For Work In Restricted Working Space, Add	24.80	
23 31 13 13-0182 LF 18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	86.62	44.65
For Seal Class B, Add	11.16	
For Seal Class A, Add	23.81	
For Work In Restricted Working Space, Add	22.32	
23 31 13 13-0183 LF 18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.46	47.13
For Seal Class B, Add	11.78	
For Seal Class A, Add	25.14	
For Work In Restricted Working Space, Add	23.57	
23 31 13 13-0184 LF 18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.26	49.61
For Seal Class B, Add	12.40	
For Seal Class A, Add	26.46	
For Work In Restricted Working Space, Add	24.80	
23 31 13 13-0185 LF 18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.07	52.09
For Seal Class B, Add	13.02	
For Seal Class A, Add	27.78	
For Work In Restricted Working Space, Add	26.04	
23 31 13 13-0186 LF 20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.26	49.61
For Seal Class B, Add	12.40	
For Seal Class A, Add	26.46	
For Work In Restricted Working Space, Add	24.80	
23 31 13 13-0187 LF 20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.07	52.09
For Seal Class B, Add	13.02	
For Seal Class A, Add	27.78	
For Work In Restricted Working Space, Add	26.04	
23 31 13 13-0188 LF 20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.87	54.57
For Seal Class B, Add	13.64	
For Seal Class A, Add	29.10	
For Work In Restricted Working Space, Add	27.28	
23 31 13 13-0189 LF 22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.87	54.57
For Seal Class B, Add	13.64	
For Seal Class A, Add	29.10	
For Work In Restricted Working Space, Add	27.28	
23 31 13 13-0190 LF 22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.70	57.05
For Seal Class B, Add	14.26	
For Seal Class A, Add	30.42	
For Work In Restricted Working Space, Add	28.52	
23 31 13 13-0191 LF 24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	115.52	59.53
For Seal Class B, Add	14.88	
For Seal Class A, Add	31.75	
For Work In Restricted Working Space, Add	29.77	
23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
23 31 13 13-0193 LF 4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.12	15.40
For Seal Class B, Add	3.85	
For Seal Class A, Add	8.21	
For Work In Restricted Working Space, Add	7.70	
23 31 13 13-0194 LF 4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.41	19.24
For Seal Class B, Add	4.81	
For Seal Class A, Add	10.27	
For Work In Restricted Working Space, Add	9.62	
23 31 13 13-0195 LF 4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.70	23.10
For Seal Class B, Add	5.78	
For Seal Class A, Add	12.32	
For Work In Restricted Working Space, Add	11.55	
23 31 13 13-0196 LF 4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.97	26.95
For Seal Class B, Add	6.74	
For Seal Class A, Add	14.37	
For Work In Restricted Working Space, Add	13.47	
23 31 13 13-0197 LF 4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.25	30.80
For Seal Class B, Add	7.70	
For Seal Class A, Add	16.42	
For Work In Restricted Working Space, Add	15.40	
23 31 13 13-0198 LF 4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.54	34.64
For Seal Class B, Add	8.66	
For Seal Class A, Add	18.48	
For Work In Restricted Working Space, Add	17.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0199 LF 4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.82	38.50
<i>For Seal Class B, Add</i>	9.62	
<i>For Seal Class A, Add</i>	20.53	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13 13-0200 LF 6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.70	23.10
<i>For Seal Class B, Add</i>	5.78	
<i>For Seal Class A, Add</i>	12.32	
<i>For Work In Restricted Working Space, Add</i>	11.55	
23 31 13 13-0201 LF 6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.97	26.95
<i>For Seal Class B, Add</i>	6.74	
<i>For Seal Class A, Add</i>	14.37	
<i>For Work In Restricted Working Space, Add</i>	13.47	
23 31 13 13-0202 LF 6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.25	30.80
<i>For Seal Class B, Add</i>	7.70	
<i>For Seal Class A, Add</i>	16.42	
<i>For Work In Restricted Working Space, Add</i>	15.40	
23 31 13 13-0203 LF 6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.54	34.64
<i>For Seal Class B, Add</i>	8.66	
<i>For Seal Class A, Add</i>	18.48	
<i>For Work In Restricted Working Space, Add</i>	17.32	
23 31 13 13-0204 LF 6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.82	38.50
<i>For Seal Class B, Add</i>	9.62	
<i>For Seal Class A, Add</i>	20.53	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13 13-0205 LF 6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.10	42.35
<i>For Seal Class B, Add</i>	10.59	
<i>For Seal Class A, Add</i>	22.58	
<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13 13-0206 LF 8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.25	30.80
<i>For Seal Class B, Add</i>	7.70	
<i>For Seal Class A, Add</i>	16.42	
<i>For Work In Restricted Working Space, Add</i>	15.40	
23 31 13 13-0207 LF 8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.54	34.64
<i>For Seal Class B, Add</i>	8.66	
<i>For Seal Class A, Add</i>	18.48	
<i>For Work In Restricted Working Space, Add</i>	17.32	
23 31 13 13-0208 LF 8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.82	38.50
<i>For Seal Class B, Add</i>	9.62	
<i>For Seal Class A, Add</i>	20.53	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13 13-0209 LF 8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.10	42.35
<i>For Seal Class B, Add</i>	10.59	
<i>For Seal Class A, Add</i>	22.58	
<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13 13-0210 LF 8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.38	46.19
<i>For Seal Class B, Add</i>	11.55	
<i>For Seal Class A, Add</i>	24.64	
<i>For Work In Restricted Working Space, Add</i>	23.10	
23 31 13 13-0211 LF 8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.66	50.04
<i>For Seal Class B, Add</i>	12.51	
<i>For Seal Class A, Add</i>	26.69	
<i>For Work In Restricted Working Space, Add</i>	25.02	
23 31 13 13-0212 LF 8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.94	53.90
<i>For Seal Class B, Add</i>	13.47	
<i>For Seal Class A, Add</i>	28.74	
<i>For Work In Restricted Working Space, Add</i>	26.94	
23 31 13 13-0213 LF 8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.21	57.74
<i>For Seal Class B, Add</i>	14.43	
<i>For Seal Class A, Add</i>	30.79	
<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13 13-0214 LF 8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.50	61.59
<i>For Seal Class B, Add</i>	15.40	
<i>For Seal Class A, Add</i>	32.84	
<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13 13-0215 LF 10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.82	38.50
<i>For Seal Class B, Add</i>	9.62	
<i>For Seal Class A, Add</i>	20.53	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13 13-0216 LF 10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.10	42.35
<i>For Seal Class B, Add</i>	10.59	
<i>For Seal Class A, Add</i>	22.58	
<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13 13-0217 LF 10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.38	46.19
<i>For Seal Class B, Add</i>	11.55	
<i>For Seal Class A, Add</i>	24.64	
<i>For Work In Restricted Working Space, Add</i>	23.10	
23 31 13 13-0218 LF 10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.66	50.04
<i>For Seal Class B, Add</i>	12.51	
<i>For Seal Class A, Add</i>	26.69	
<i>For Work In Restricted Working Space, Add</i>	25.02	
23 31 13 13-0219 LF 10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.94	53.90
<i>For Seal Class B, Add</i>	13.47	
<i>For Seal Class A, Add</i>	28.74	
<i>For Work In Restricted Working Space, Add</i>	26.94	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.21	57.74
			<i>For Seal Class B, Add</i>	14.43	
			<i>For Seal Class A, Add</i>	30.79	
			<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13	13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.50	61.59
			<i>For Seal Class B, Add</i>	15.40	
			<i>For Seal Class A, Add</i>	32.84	
			<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13	13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.79	65.44
			<i>For Seal Class B, Add</i>	16.36	
			<i>For Seal Class A, Add</i>	34.90	
			<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13	13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.07	69.29
			<i>For Seal Class B, Add</i>	17.32	
			<i>For Seal Class A, Add</i>	36.95	
			<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13	13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.36	73.14
			<i>For Seal Class B, Add</i>	18.29	
			<i>For Seal Class A, Add</i>	39.01	
			<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13	13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	76.99
			<i>For Seal Class B, Add</i>	19.25	
			<i>For Seal Class A, Add</i>	41.06	
			<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13	13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.38	46.19
			<i>For Seal Class B, Add</i>	11.55	
			<i>For Seal Class A, Add</i>	24.64	
			<i>For Work In Restricted Working Space, Add</i>	23.10	
23 31 13	13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	94.66	50.04
			<i>For Seal Class B, Add</i>	12.51	
			<i>For Seal Class A, Add</i>	26.69	
			<i>For Work In Restricted Working Space, Add</i>	25.02	
23 31 13	13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.94	53.90
			<i>For Seal Class B, Add</i>	13.47	
			<i>For Seal Class A, Add</i>	28.74	
			<i>For Work In Restricted Working Space, Add</i>	26.94	
23 31 13	13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.21	57.74
			<i>For Seal Class B, Add</i>	14.43	
			<i>For Seal Class A, Add</i>	30.79	
			<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13	13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.50	61.59
			<i>For Seal Class B, Add</i>	15.40	
			<i>For Seal Class A, Add</i>	32.84	
			<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13	13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.79	65.44
			<i>For Seal Class B, Add</i>	16.36	
			<i>For Seal Class A, Add</i>	34.90	
			<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13	13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.07	69.29
			<i>For Seal Class B, Add</i>	17.32	
			<i>For Seal Class A, Add</i>	36.95	
			<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13	13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.36	73.14
			<i>For Seal Class B, Add</i>	18.29	
			<i>For Seal Class A, Add</i>	39.01	
			<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13	13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	76.99
			<i>For Seal Class B, Add</i>	19.25	
			<i>For Seal Class A, Add</i>	41.06	
			<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13	13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.91	80.84
			<i>For Seal Class B, Add</i>	20.21	
			<i>For Seal Class A, Add</i>	43.11	
			<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13	13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.94	53.90
			<i>For Seal Class B, Add</i>	13.47	
			<i>For Seal Class A, Add</i>	28.74	
			<i>For Work In Restricted Working Space, Add</i>	26.94	
23 31 13	13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.21	57.74
			<i>For Seal Class B, Add</i>	14.43	
			<i>For Seal Class A, Add</i>	30.79	
			<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13	13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.50	61.59
			<i>For Seal Class B, Add</i>	15.40	
			<i>For Seal Class A, Add</i>	32.84	
			<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13	13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.79	65.44
			<i>For Seal Class B, Add</i>	16.36	
			<i>For Seal Class A, Add</i>	34.90	
			<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13	13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.07	69.29
			<i>For Seal Class B, Add</i>	17.32	
			<i>For Seal Class A, Add</i>	36.95	
			<i>For Work In Restricted Working Space, Add</i>	34.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0241 LF 14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.36	73.14
<i>For Seal Class B, Add</i>	18.29	
<i>For Seal Class A, Add</i>	39.01	
<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13 13-0242 LF 14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	76.99
<i>For Seal Class B, Add</i>	19.25	
<i>For Seal Class A, Add</i>	41.06	
<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13 13-0243 LF 14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.91	80.84
<i>For Seal Class B, Add</i>	20.21	
<i>For Seal Class A, Add</i>	43.11	
<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13 13-0244 LF 14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	84.69
<i>For Seal Class B, Add</i>	21.17	
<i>For Seal Class A, Add</i>	45.16	
<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13 13-0245 LF 16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	116.50	61.59
<i>For Seal Class B, Add</i>	15.40	
<i>For Seal Class A, Add</i>	32.84	
<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13 13-0246 LF 16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.79	65.44
<i>For Seal Class B, Add</i>	16.36	
<i>For Seal Class A, Add</i>	34.90	
<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13 13-0247 LF 16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.07	69.29
<i>For Seal Class B, Add</i>	17.32	
<i>For Seal Class A, Add</i>	36.95	
<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13 13-0248 LF 16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.36	73.14
<i>For Seal Class B, Add</i>	18.29	
<i>For Seal Class A, Add</i>	39.01	
<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13 13-0249 LF 16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	76.99
<i>For Seal Class B, Add</i>	19.25	
<i>For Seal Class A, Add</i>	41.06	
<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13 13-0250 LF 16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.91	80.84
<i>For Seal Class B, Add</i>	20.21	
<i>For Seal Class A, Add</i>	43.11	
<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13 13-0251 LF 16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	84.69
<i>For Seal Class B, Add</i>	21.17	
<i>For Seal Class A, Add</i>	45.16	
<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13 13-0252 LF 16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.47	88.54
<i>For Seal Class B, Add</i>	22.13	
<i>For Seal Class A, Add</i>	47.22	
<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13 13-0253 LF 18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.07	69.29
<i>For Seal Class B, Add</i>	17.32	
<i>For Seal Class A, Add</i>	36.95	
<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13 13-0254 LF 18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	138.36	73.14
<i>For Seal Class B, Add</i>	18.29	
<i>For Seal Class A, Add</i>	39.01	
<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13 13-0255 LF 18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	76.99
<i>For Seal Class B, Add</i>	19.25	
<i>For Seal Class A, Add</i>	41.06	
<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13 13-0256 LF 18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.91	80.84
<i>For Seal Class B, Add</i>	20.21	
<i>For Seal Class A, Add</i>	43.11	
<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13 13-0257 LF 18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	84.69
<i>For Seal Class B, Add</i>	21.17	
<i>For Seal Class A, Add</i>	45.16	
<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13 13-0258 LF 18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.47	88.54
<i>For Seal Class B, Add</i>	22.13	
<i>For Seal Class A, Add</i>	47.22	
<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13 13-0259 LF 18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.76	92.39
<i>For Seal Class B, Add</i>	23.10	
<i>For Seal Class A, Add</i>	49.27	
<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13 13-0260 LF 20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.63	76.99
<i>For Seal Class B, Add</i>	19.25	
<i>For Seal Class A, Add</i>	41.06	
<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13 13-0261 LF 20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.91	80.84
<i>For Seal Class B, Add</i>	20.21	
<i>For Seal Class A, Add</i>	43.11	
<i>For Work In Restricted Working Space, Add</i>	40.42	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	84.69
			<i>For Seal Class B, Add</i>	21.17	
			<i>For Seal Class A, Add</i>	45.16	
			<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13	13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.47	88.54
			<i>For Seal Class B, Add</i>	22.13	
			<i>For Seal Class A, Add</i>	47.22	
			<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13	13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.76	92.39
			<i>For Seal Class B, Add</i>	23.10	
			<i>For Seal Class A, Add</i>	49.27	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13	13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.05	96.22
			<i>For Seal Class B, Add</i>	24.06	
			<i>For Seal Class A, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13	13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	84.69
			<i>For Seal Class B, Add</i>	21.17	
			<i>For Seal Class A, Add</i>	45.16	
			<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13	13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.47	88.54
			<i>For Seal Class B, Add</i>	22.13	
			<i>For Seal Class A, Add</i>	47.22	
			<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13	13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.76	92.39
			<i>For Seal Class B, Add</i>	23.10	
			<i>For Seal Class A, Add</i>	49.27	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13	13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.05	96.22
			<i>For Seal Class B, Add</i>	24.06	
			<i>For Seal Class A, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13	13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	100.08
			<i>For Seal Class B, Add</i>	25.02	
			<i>For Seal Class A, Add</i>	53.38	
			<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13	13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	174.76	92.39
			<i>For Seal Class B, Add</i>	23.10	
			<i>For Seal Class A, Add</i>	49.27	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13	13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	182.05	96.22
			<i>For Seal Class B, Add</i>	24.06	
			<i>For Seal Class A, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13	13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	100.08
			<i>For Seal Class B, Add</i>	25.02	
			<i>For Seal Class A, Add</i>	53.38	
			<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13	13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.60	103.93
			<i>For Seal Class B, Add</i>	25.98	
			<i>For Seal Class A, Add</i>	55.43	
			<i>For Work In Restricted Working Space, Add</i>	51.96	
23 31 13	13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.32	100.08
			<i>For Seal Class B, Add</i>	25.02	
			<i>For Seal Class A, Add</i>	53.38	
			<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13	13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	196.60	103.93
			<i>For Seal Class B, Add</i>	25.98	
			<i>For Seal Class A, Add</i>	55.43	
			<i>For Work In Restricted Working Space, Add</i>	51.96	
23 31 13	13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.87	107.77
			<i>For Seal Class B, Add</i>	26.94	
			<i>For Seal Class A, Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	53.89	
23 31 13	13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	203.87	107.77
			<i>For Seal Class B, Add</i>	26.94	
			<i>For Seal Class A, Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	53.89	
23 31 13	13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.16	111.62
			<i>For Seal Class B, Add</i>	27.91	
			<i>For Seal Class A, Add</i>	59.53	
			<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31 13	13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	218.46	115.48
			<i>For Seal Class B, Add</i>	28.87	
			<i>For Seal Class A, Add</i>	61.59	
			<i>For Work In Restricted Working Space, Add</i>	57.74	
23 31 13	13-0281		22 Gauge Galvanized Steel Metal Ductwork (23 31 13-0014)		
23 31 13	13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.87	15.40
			<i>For Seal Class B, Add</i>	3.85	
			<i>For Seal Class A, Add</i>	8.21	
			<i>For Work In Restricted Working Space, Add</i>	7.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0283 LF 4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.35	19.24
<i>For Seal Class B, Add</i>	4.81	
<i>For Seal Class A, Add</i>	10.27	
<i>For Work In Restricted Working Space, Add</i>	9.62	
23 31 13 13-0284 LF 4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.82	23.10
<i>For Seal Class B, Add</i>	5.78	
<i>For Seal Class A, Add</i>	12.32	
<i>For Work In Restricted Working Space, Add</i>	11.55	
23 31 13 13-0285 LF 4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.29	26.95
<i>For Seal Class B, Add</i>	6.74	
<i>For Seal Class A, Add</i>	14.37	
<i>For Work In Restricted Working Space, Add</i>	13.47	
23 31 13 13-0286 LF 4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.75	30.80
<i>For Seal Class B, Add</i>	7.70	
<i>For Seal Class A, Add</i>	16.42	
<i>For Work In Restricted Working Space, Add</i>	15.40	
23 31 13 13-0287 LF 4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.22	34.64
<i>For Seal Class B, Add</i>	8.66	
<i>For Seal Class A, Add</i>	18.48	
<i>For Work In Restricted Working Space, Add</i>	17.32	
23 31 13 13-0288 LF 4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.70	38.50
<i>For Seal Class B, Add</i>	9.62	
<i>For Seal Class A, Add</i>	20.53	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13 13-0289 LF 6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.82	23.10
<i>For Seal Class B, Add</i>	5.78	
<i>For Seal Class A, Add</i>	12.32	
<i>For Work In Restricted Working Space, Add</i>	11.55	
23 31 13 13-0290 LF 6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.29	26.95
<i>For Seal Class B, Add</i>	6.74	
<i>For Seal Class A, Add</i>	14.37	
<i>For Work In Restricted Working Space, Add</i>	13.47	
23 31 13 13-0291 LF 6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.75	30.80
<i>For Seal Class B, Add</i>	7.70	
<i>For Seal Class A, Add</i>	16.42	
<i>For Work In Restricted Working Space, Add</i>	15.40	
23 31 13 13-0292 LF 6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.22	34.64
<i>For Seal Class B, Add</i>	8.66	
<i>For Seal Class A, Add</i>	18.48	
<i>For Work In Restricted Working Space, Add</i>	17.32	
23 31 13 13-0293 LF 6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.70	38.50
<i>For Seal Class B, Add</i>	9.62	
<i>For Seal Class A, Add</i>	20.53	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13 13-0294 LF 6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.16	42.35
<i>For Seal Class B, Add</i>	10.59	
<i>For Seal Class A, Add</i>	22.58	
<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13 13-0295 LF 8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.75	30.80
<i>For Seal Class B, Add</i>	7.70	
<i>For Seal Class A, Add</i>	16.42	
<i>For Work In Restricted Working Space, Add</i>	15.40	
23 31 13 13-0296 LF 8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.22	34.64
<i>For Seal Class B, Add</i>	8.66	
<i>For Seal Class A, Add</i>	18.48	
<i>For Work In Restricted Working Space, Add</i>	17.32	
23 31 13 13-0297 LF 8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.70	38.50
<i>For Seal Class B, Add</i>	9.62	
<i>For Seal Class A, Add</i>	20.53	
<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13 13-0298 LF 8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.16	42.35
<i>For Seal Class B, Add</i>	10.59	
<i>For Seal Class A, Add</i>	22.58	
<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13 13-0299 LF 8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.63	46.19
<i>For Seal Class B, Add</i>	11.55	
<i>For Seal Class A, Add</i>	24.64	
<i>For Work In Restricted Working Space, Add</i>	23.10	
23 31 13 13-0300 LF 8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.10	50.04
<i>For Seal Class B, Add</i>	12.51	
<i>For Seal Class A, Add</i>	26.69	
<i>For Work In Restricted Working Space, Add</i>	25.02	
23 31 13 13-0301 LF 8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.56	53.90
<i>For Seal Class B, Add</i>	13.47	
<i>For Seal Class A, Add</i>	28.74	
<i>For Work In Restricted Working Space, Add</i>	26.94	
23 31 13 13-0302 LF 8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.02	57.74
<i>For Seal Class B, Add</i>	14.43	
<i>For Seal Class A, Add</i>	30.79	
<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13 13-0303 LF 8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.50	61.59
<i>For Seal Class B, Add</i>	15.40	
<i>For Seal Class A, Add</i>	32.84	
<i>For Work In Restricted Working Space, Add</i>	30.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13	13-0304	LF 10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.70	38.50
		<i>For Seal Class B, Add</i>	9.62	
		<i>For Seal Class A, Add</i>	20.53	
		<i>For Work In Restricted Working Space, Add</i>	19.25	
23 31 13	13-0305	LF 10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.16	42.35
		<i>For Seal Class B, Add</i>	10.59	
		<i>For Seal Class A, Add</i>	22.58	
		<i>For Work In Restricted Working Space, Add</i>	21.17	
23 31 13	13-0306	LF 10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.63	46.19
		<i>For Seal Class B, Add</i>	11.55	
		<i>For Seal Class A, Add</i>	24.64	
		<i>For Work In Restricted Working Space, Add</i>	23.10	
23 31 13	13-0307	LF 10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.10	50.04
		<i>For Seal Class B, Add</i>	12.51	
		<i>For Seal Class A, Add</i>	26.69	
		<i>For Work In Restricted Working Space, Add</i>	25.02	
23 31 13	13-0308	LF 10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.56	53.90
		<i>For Seal Class B, Add</i>	13.47	
		<i>For Seal Class A, Add</i>	28.74	
		<i>For Work In Restricted Working Space, Add</i>	26.94	
23 31 13	13-0309	LF 10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.02	57.74
		<i>For Seal Class B, Add</i>	14.43	
		<i>For Seal Class A, Add</i>	30.79	
		<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13	13-0310	LF 10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.50	61.59
		<i>For Seal Class B, Add</i>	15.40	
		<i>For Seal Class A, Add</i>	32.84	
		<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13	13-0311	LF 10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.97	65.44
		<i>For Seal Class B, Add</i>	16.36	
		<i>For Seal Class A, Add</i>	34.90	
		<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13	13-0312	LF 10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.44	69.29
		<i>For Seal Class B, Add</i>	17.32	
		<i>For Seal Class A, Add</i>	36.95	
		<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13	13-0313	LF 10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.92	73.14
		<i>For Seal Class B, Add</i>	18.29	
		<i>For Seal Class A, Add</i>	39.01	
		<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13	13-0314	LF 10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.38	76.99
		<i>For Seal Class B, Add</i>	19.25	
		<i>For Seal Class A, Add</i>	41.06	
		<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13	13-0315	LF 10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.84	80.84
		<i>For Seal Class B, Add</i>	20.21	
		<i>For Seal Class A, Add</i>	43.11	
		<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13	13-0316	LF 12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.63	46.19
		<i>For Seal Class B, Add</i>	11.55	
		<i>For Seal Class A, Add</i>	24.64	
		<i>For Work In Restricted Working Space, Add</i>	23.10	
23 31 13	13-0317	LF 12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.10	50.04
		<i>For Seal Class B, Add</i>	12.51	
		<i>For Seal Class A, Add</i>	26.69	
		<i>For Work In Restricted Working Space, Add</i>	25.02	
23 31 13	13-0318	LF 12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.56	53.90
		<i>For Seal Class B, Add</i>	13.47	
		<i>For Seal Class A, Add</i>	28.74	
		<i>For Work In Restricted Working Space, Add</i>	26.94	
23 31 13	13-0319	LF 12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.02	57.74
		<i>For Seal Class B, Add</i>	14.43	
		<i>For Seal Class A, Add</i>	30.79	
		<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13	13-0320	LF 12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.50	61.59
		<i>For Seal Class B, Add</i>	15.40	
		<i>For Seal Class A, Add</i>	32.84	
		<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13	13-0321	LF 12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.97	65.44
		<i>For Seal Class B, Add</i>	16.36	
		<i>For Seal Class A, Add</i>	34.90	
		<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13	13-0322	LF 12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.44	69.29
		<i>For Seal Class B, Add</i>	17.32	
		<i>For Seal Class A, Add</i>	36.95	
		<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13	13-0323	LF 12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.92	73.14
		<i>For Seal Class B, Add</i>	18.29	
		<i>For Seal Class A, Add</i>	39.01	
		<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13	13-0324	LF 12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.38	76.99
		<i>For Seal Class B, Add</i>	19.25	
		<i>For Seal Class A, Add</i>	41.06	
		<i>For Work In Restricted Working Space, Add</i>	38.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0325 LF 12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.84	80.84
<i>For Seal Class B, Add</i>	20.21	
<i>For Seal Class A, Add</i>	43.11	
<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13 13-0326 LF 12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.32	84.69
<i>For Seal Class B, Add</i>	21.17	
<i>For Seal Class A, Add</i>	45.16	
<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13 13-0327 LF 12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.78	88.54
<i>For Seal Class B, Add</i>	22.13	
<i>For Seal Class A, Add</i>	47.22	
<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13 13-0328 LF 12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.26	92.39
<i>For Seal Class B, Add</i>	23.10	
<i>For Seal Class A, Add</i>	49.27	
<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13 13-0329 LF 14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.56	53.90
<i>For Seal Class B, Add</i>	13.47	
<i>For Seal Class A, Add</i>	28.74	
<i>For Work In Restricted Working Space, Add</i>	26.94	
23 31 13 13-0330 LF 14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	112.02	57.74
<i>For Seal Class B, Add</i>	14.43	
<i>For Seal Class A, Add</i>	30.79	
<i>For Work In Restricted Working Space, Add</i>	28.87	
23 31 13 13-0331 LF 14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.50	61.59
<i>For Seal Class B, Add</i>	15.40	
<i>For Seal Class A, Add</i>	32.84	
<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13 13-0332 LF 14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.97	65.44
<i>For Seal Class B, Add</i>	16.36	
<i>For Seal Class A, Add</i>	34.90	
<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13 13-0333 LF 14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.44	69.29
<i>For Seal Class B, Add</i>	17.32	
<i>For Seal Class A, Add</i>	36.95	
<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13 13-0334 LF 14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.92	73.14
<i>For Seal Class B, Add</i>	18.29	
<i>For Seal Class A, Add</i>	39.01	
<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13 13-0335 LF 14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.38	76.99
<i>For Seal Class B, Add</i>	19.25	
<i>For Seal Class A, Add</i>	41.06	
<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13 13-0336 LF 14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.84	80.84
<i>For Seal Class B, Add</i>	20.21	
<i>For Seal Class A, Add</i>	43.11	
<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13 13-0337 LF 14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.32	84.69
<i>For Seal Class B, Add</i>	21.17	
<i>For Seal Class A, Add</i>	45.16	
<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13 13-0338 LF 14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.78	88.54
<i>For Seal Class B, Add</i>	22.13	
<i>For Seal Class A, Add</i>	47.22	
<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13 13-0339 LF 14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.26	92.39
<i>For Seal Class B, Add</i>	23.10	
<i>For Seal Class A, Add</i>	49.27	
<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13 13-0340 LF 14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.73	96.22
<i>For Seal Class B, Add</i>	24.06	
<i>For Seal Class A, Add</i>	51.32	
<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13 13-0341 LF 16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.50	61.59
<i>For Seal Class B, Add</i>	15.40	
<i>For Seal Class A, Add</i>	32.84	
<i>For Work In Restricted Working Space, Add</i>	30.79	
23 31 13 13-0342 LF 16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.97	65.44
<i>For Seal Class B, Add</i>	16.36	
<i>For Seal Class A, Add</i>	34.90	
<i>For Work In Restricted Working Space, Add</i>	32.72	
23 31 13 13-0343 LF 16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.44	69.29
<i>For Seal Class B, Add</i>	17.32	
<i>For Seal Class A, Add</i>	36.95	
<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13 13-0344 LF 16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.92	73.14
<i>For Seal Class B, Add</i>	18.29	
<i>For Seal Class A, Add</i>	39.01	
<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13 13-0345 LF 16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.38	76.99
<i>For Seal Class B, Add</i>	19.25	
<i>For Seal Class A, Add</i>	41.06	
<i>For Work In Restricted Working Space, Add</i>	38.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.84	80.84
			<i>For Seal Class B, Add</i>	20.21	
			<i>For Seal Class A, Add</i>	43.11	
			<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13	13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.32	84.69
			<i>For Seal Class B, Add</i>	21.17	
			<i>For Seal Class A, Add</i>	45.16	
			<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13	13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.78	88.54
			<i>For Seal Class B, Add</i>	22.13	
			<i>For Seal Class A, Add</i>	47.22	
			<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13	13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.26	92.39
			<i>For Seal Class B, Add</i>	23.10	
			<i>For Seal Class A, Add</i>	49.27	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13	13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.73	96.22
			<i>For Seal Class B, Add</i>	24.06	
			<i>For Seal Class A, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13	13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.19	100.08
			<i>For Seal Class B, Add</i>	25.02	
			<i>For Seal Class A, Add</i>	53.38	
			<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13	13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.66	103.93
			<i>For Seal Class B, Add</i>	25.98	
			<i>For Seal Class A, Add</i>	55.43	
			<i>For Work In Restricted Working Space, Add</i>	51.96	
23 31 13	13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.12	107.77
			<i>For Seal Class B, Add</i>	26.94	
			<i>For Seal Class A, Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	53.89	
23 31 13	13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.59	111.62
			<i>For Seal Class B, Add</i>	27.91	
			<i>For Seal Class A, Add</i>	59.53	
			<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31 13	13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
			<i>For Seal Class B, Add</i>	28.87	
			<i>For Seal Class A, Add</i>	61.59	
			<i>For Work In Restricted Working Space, Add</i>	57.74	
23 31 13	13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.44	69.29
			<i>For Seal Class B, Add</i>	17.32	
			<i>For Seal Class A, Add</i>	36.95	
			<i>For Work In Restricted Working Space, Add</i>	34.64	
23 31 13	13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.92	73.14
			<i>For Seal Class B, Add</i>	18.29	
			<i>For Seal Class A, Add</i>	39.01	
			<i>For Work In Restricted Working Space, Add</i>	36.57	
23 31 13	13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.38	76.99
			<i>For Seal Class B, Add</i>	19.25	
			<i>For Seal Class A, Add</i>	41.06	
			<i>For Work In Restricted Working Space, Add</i>	38.49	
23 31 13	13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.84	80.84
			<i>For Seal Class B, Add</i>	20.21	
			<i>For Seal Class A, Add</i>	43.11	
			<i>For Work In Restricted Working Space, Add</i>	40.42	
23 31 13	13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.32	84.69
			<i>For Seal Class B, Add</i>	21.17	
			<i>For Seal Class A, Add</i>	45.16	
			<i>For Work In Restricted Working Space, Add</i>	42.34	
23 31 13	13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.78	88.54
			<i>For Seal Class B, Add</i>	22.13	
			<i>For Seal Class A, Add</i>	47.22	
			<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13	13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.26	92.39
			<i>For Seal Class B, Add</i>	23.10	
			<i>For Seal Class A, Add</i>	49.27	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13	13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.73	96.22
			<i>For Seal Class B, Add</i>	24.06	
			<i>For Seal Class A, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13	13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.19	100.08
			<i>For Seal Class B, Add</i>	25.02	
			<i>For Seal Class A, Add</i>	53.38	
			<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13	13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.66	103.93
			<i>For Seal Class B, Add</i>	25.98	
			<i>For Seal Class A, Add</i>	55.43	
			<i>For Work In Restricted Working Space, Add</i>	51.96	
23 31 13	13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.12	107.77
			<i>For Seal Class B, Add</i>	26.94	
			<i>For Seal Class A, Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	53.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0367 LF 18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.59	111.62
For Seal Class B, Add	27.91	
For Seal Class A, Add	59.53	
For Work In Restricted Working Space, Add	55.81	
23 31 13 13-0368 LF 18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
For Seal Class B, Add	28.87	
For Seal Class A, Add	61.59	
For Work In Restricted Working Space, Add	57.74	
23 31 13 13-0369 LF 18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	119.32
For Seal Class B, Add	29.83	
For Seal Class A, Add	63.64	
For Work In Restricted Working Space, Add	59.66	
23 31 13 13-0370 LF 18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
For Seal Class B, Add	30.80	
For Seal Class A, Add	65.70	
For Work In Restricted Working Space, Add	61.59	
23 31 13 13-0371 LF 20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.38	76.99
For Seal Class B, Add	19.25	
For Seal Class A, Add	41.06	
For Work In Restricted Working Space, Add	38.49	
23 31 13 13-0372 LF 20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.84	80.84
For Seal Class B, Add	20.21	
For Seal Class A, Add	43.11	
For Work In Restricted Working Space, Add	40.42	
23 31 13 13-0373 LF 20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.32	84.69
For Seal Class B, Add	21.17	
For Seal Class A, Add	45.16	
For Work In Restricted Working Space, Add	42.34	
23 31 13 13-0374 LF 20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.78	88.54
For Seal Class B, Add	22.13	
For Seal Class A, Add	47.22	
For Work In Restricted Working Space, Add	44.27	
23 31 13 13-0375 LF 20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.26	92.39
For Seal Class B, Add	23.10	
For Seal Class A, Add	49.27	
For Work In Restricted Working Space, Add	46.19	
23 31 13 13-0376 LF 20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.73	96.22
For Seal Class B, Add	24.06	
For Seal Class A, Add	51.32	
For Work In Restricted Working Space, Add	48.12	
23 31 13 13-0377 LF 20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.19	100.08
For Seal Class B, Add	25.02	
For Seal Class A, Add	53.38	
For Work In Restricted Working Space, Add	50.04	
23 31 13 13-0378 LF 20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.66	103.93
For Seal Class B, Add	25.98	
For Seal Class A, Add	55.43	
For Work In Restricted Working Space, Add	51.96	
23 31 13 13-0379 LF 20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.12	107.77
For Seal Class B, Add	26.94	
For Seal Class A, Add	57.48	
For Work In Restricted Working Space, Add	53.89	
23 31 13 13-0380 LF 20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.59	111.62
For Seal Class B, Add	27.91	
For Seal Class A, Add	59.53	
For Work In Restricted Working Space, Add	55.81	
23 31 13 13-0381 LF 20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
For Seal Class B, Add	28.87	
For Seal Class A, Add	61.59	
For Work In Restricted Working Space, Add	57.74	
23 31 13 13-0382 LF 20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	119.32
For Seal Class B, Add	29.83	
For Seal Class A, Add	63.64	
For Work In Restricted Working Space, Add	59.66	
23 31 13 13-0383 LF 20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
For Seal Class B, Add	30.80	
For Seal Class A, Add	65.70	
For Work In Restricted Working Space, Add	61.59	
23 31 13 13-0384 LF 20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	127.02
For Seal Class B, Add	31.76	
For Seal Class A, Add	67.75	
For Work In Restricted Working Space, Add	63.51	
23 31 13 13-0385 LF 20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
For Seal Class B, Add	32.72	
For Seal Class A, Add	69.80	
For Work In Restricted Working Space, Add	65.44	
23 31 13 13-0386 LF 22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.32	84.69
For Seal Class B, Add	21.17	
For Seal Class A, Add	45.16	
For Work In Restricted Working Space, Add	42.34	
23 31 13 13-0387 LF 22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.78	88.54
For Seal Class B, Add	22.13	
For Seal Class A, Add	47.22	
For Work In Restricted Working Space, Add	44.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.26	92.39
			<i>For Seal Class B, Add</i>	23.10	
			<i>For Seal Class A, Add</i>	49.27	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13	13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.73	96.22
			<i>For Seal Class B, Add</i>	24.06	
			<i>For Seal Class A, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13	13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.19	100.08
			<i>For Seal Class B, Add</i>	25.02	
			<i>For Seal Class A, Add</i>	53.38	
			<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13	13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.66	103.93
			<i>For Seal Class B, Add</i>	25.98	
			<i>For Seal Class A, Add</i>	55.43	
			<i>For Work In Restricted Working Space, Add</i>	51.96	
23 31 13	13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.12	107.77
			<i>For Seal Class B, Add</i>	26.94	
			<i>For Seal Class A, Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	53.89	
23 31 13	13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.59	111.62
			<i>For Seal Class B, Add</i>	27.91	
			<i>For Seal Class A, Add</i>	59.53	
			<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31 13	13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
			<i>For Seal Class B, Add</i>	28.87	
			<i>For Seal Class A, Add</i>	61.59	
			<i>For Work In Restricted Working Space, Add</i>	57.74	
23 31 13	13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	119.32
			<i>For Seal Class B, Add</i>	29.83	
			<i>For Seal Class A, Add</i>	63.64	
			<i>For Work In Restricted Working Space, Add</i>	59.66	
23 31 13	13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
			<i>For Seal Class B, Add</i>	30.80	
			<i>For Seal Class A, Add</i>	65.70	
			<i>For Work In Restricted Working Space, Add</i>	61.59	
23 31 13	13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	127.02
			<i>For Seal Class B, Add</i>	31.76	
			<i>For Seal Class A, Add</i>	67.75	
			<i>For Work In Restricted Working Space, Add</i>	63.51	
23 31 13	13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
			<i>For Seal Class B, Add</i>	32.72	
			<i>For Seal Class A, Add</i>	69.80	
			<i>For Work In Restricted Working Space, Add</i>	65.44	
23 31 13	13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.40	134.72
			<i>For Seal Class B, Add</i>	33.68	
			<i>For Seal Class A, Add</i>	71.85	
			<i>For Work In Restricted Working Space, Add</i>	67.36	
23 31 13	13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	179.26	92.39
			<i>For Seal Class B, Add</i>	23.10	
			<i>For Seal Class A, Add</i>	49.27	
			<i>For Work In Restricted Working Space, Add</i>	46.19	
23 31 13	13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.73	96.22
			<i>For Seal Class B, Add</i>	24.06	
			<i>For Seal Class A, Add</i>	51.32	
			<i>For Work In Restricted Working Space, Add</i>	48.12	
23 31 13	13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.19	100.08
			<i>For Seal Class B, Add</i>	25.02	
			<i>For Seal Class A, Add</i>	53.38	
			<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13	13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.66	103.93
			<i>For Seal Class B, Add</i>	25.98	
			<i>For Seal Class A, Add</i>	55.43	
			<i>For Work In Restricted Working Space, Add</i>	51.96	
23 31 13	13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.12	107.77
			<i>For Seal Class B, Add</i>	26.94	
			<i>For Seal Class A, Add</i>	57.48	
			<i>For Work In Restricted Working Space, Add</i>	53.89	
23 31 13	13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.59	111.62
			<i>For Seal Class B, Add</i>	27.91	
			<i>For Seal Class A, Add</i>	59.53	
			<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31 13	13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
			<i>For Seal Class B, Add</i>	28.87	
			<i>For Seal Class A, Add</i>	61.59	
			<i>For Work In Restricted Working Space, Add</i>	57.74	
23 31 13	13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	119.32
			<i>For Seal Class B, Add</i>	29.83	
			<i>For Seal Class A, Add</i>	63.64	
			<i>For Work In Restricted Working Space, Add</i>	59.66	
23 31 13	13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
			<i>For Seal Class B, Add</i>	30.80	
			<i>For Seal Class A, Add</i>	65.70	
			<i>For Work In Restricted Working Space, Add</i>	61.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0409 LF 24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	127.02
<i>For Seal Class B, Add</i>	31.76	
<i>For Seal Class A, Add</i>	67.75	
<i>For Work In Restricted Working Space, Add</i>	63.51	
23 31 13 13-0410 LF 24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
<i>For Seal Class B, Add</i>	32.72	
<i>For Seal Class A, Add</i>	69.80	
<i>For Work In Restricted Working Space, Add</i>	65.44	
23 31 13 13-0411 LF 24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.40	134.72
<i>For Seal Class B, Add</i>	33.68	
<i>For Seal Class A, Add</i>	71.85	
<i>For Work In Restricted Working Space, Add</i>	67.36	
23 31 13 13-0412 LF 24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.88	138.57
<i>For Seal Class B, Add</i>	34.64	
<i>For Seal Class A, Add</i>	73.90	
<i>For Work In Restricted Working Space, Add</i>	69.29	
23 31 13 13-0413 LF 26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.19	100.08
<i>For Seal Class B, Add</i>	25.02	
<i>For Seal Class A, Add</i>	53.38	
<i>For Work In Restricted Working Space, Add</i>	50.04	
23 31 13 13-0414 LF 26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.66	103.93
<i>For Seal Class B, Add</i>	25.98	
<i>For Seal Class A, Add</i>	55.43	
<i>For Work In Restricted Working Space, Add</i>	51.96	
23 31 13 13-0415 LF 26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.12	107.77
<i>For Seal Class B, Add</i>	26.94	
<i>For Seal Class A, Add</i>	57.48	
<i>For Work In Restricted Working Space, Add</i>	53.89	
23 31 13 13-0416 LF 26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.59	111.62
<i>For Seal Class B, Add</i>	27.91	
<i>For Seal Class A, Add</i>	59.53	
<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31 13 13-0417 LF 26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
<i>For Seal Class B, Add</i>	28.87	
<i>For Seal Class A, Add</i>	61.59	
<i>For Work In Restricted Working Space, Add</i>	57.74	
23 31 13 13-0418 LF 26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	119.32
<i>For Seal Class B, Add</i>	29.83	
<i>For Seal Class A, Add</i>	63.64	
<i>For Work In Restricted Working Space, Add</i>	59.66	
23 31 13 13-0419 LF 26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
<i>For Seal Class B, Add</i>	30.80	
<i>For Seal Class A, Add</i>	65.70	
<i>For Work In Restricted Working Space, Add</i>	61.59	
23 31 13 13-0420 LF 26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	127.02
<i>For Seal Class B, Add</i>	31.76	
<i>For Seal Class A, Add</i>	67.75	
<i>For Work In Restricted Working Space, Add</i>	63.51	
23 31 13 13-0421 LF 26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
<i>For Seal Class B, Add</i>	32.72	
<i>For Seal Class A, Add</i>	69.80	
<i>For Work In Restricted Working Space, Add</i>	65.44	
23 31 13 13-0422 LF 26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.40	134.72
<i>For Seal Class B, Add</i>	33.68	
<i>For Seal Class A, Add</i>	71.85	
<i>For Work In Restricted Working Space, Add</i>	67.36	
23 31 13 13-0423 LF 26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.88	138.57
<i>For Seal Class B, Add</i>	34.64	
<i>For Seal Class A, Add</i>	73.90	
<i>For Work In Restricted Working Space, Add</i>	69.29	
23 31 13 13-0424 LF 26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.35	142.42
<i>For Seal Class B, Add</i>	35.61	
<i>For Seal Class A, Add</i>	75.96	
<i>For Work In Restricted Working Space, Add</i>	71.21	
23 31 13 13-0425 LF 28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	209.12	107.77
<i>For Seal Class B, Add</i>	26.94	
<i>For Seal Class A, Add</i>	57.48	
<i>For Work In Restricted Working Space, Add</i>	53.89	
23 31 13 13-0426 LF 28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.59	111.62
<i>For Seal Class B, Add</i>	27.91	
<i>For Seal Class A, Add</i>	59.53	
<i>For Work In Restricted Working Space, Add</i>	55.81	
23 31 13 13-0427 LF 28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
<i>For Seal Class B, Add</i>	28.87	
<i>For Seal Class A, Add</i>	61.59	
<i>For Work In Restricted Working Space, Add</i>	57.74	
23 31 13 13-0428 LF 28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	119.32
<i>For Seal Class B, Add</i>	29.83	
<i>For Seal Class A, Add</i>	63.64	
<i>For Work In Restricted Working Space, Add</i>	59.66	
23 31 13 13-0429 LF 28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
<i>For Seal Class B, Add</i>	30.80	
<i>For Seal Class A, Add</i>	65.70	
<i>For Work In Restricted Working Space, Add</i>	61.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0430	LF 28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	127.02
			<i>For Seal Class B, Add</i>	31.76	
			<i>For Seal Class A, Add</i>	67.75	
			<i>For Work In Restricted Working Space, Add</i>	63.51	
23 31	13	13-0431	LF 28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
			<i>For Seal Class B, Add</i>	32.72	
			<i>For Seal Class A, Add</i>	69.80	
			<i>For Work In Restricted Working Space, Add</i>	65.44	
23 31	13	13-0432	LF 28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.40	134.72
			<i>For Seal Class B, Add</i>	33.68	
			<i>For Seal Class A, Add</i>	71.85	
			<i>For Work In Restricted Working Space, Add</i>	67.36	
23 31	13	13-0433	LF 28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.88	138.57
			<i>For Seal Class B, Add</i>	34.64	
			<i>For Seal Class A, Add</i>	73.90	
			<i>For Work In Restricted Working Space, Add</i>	69.29	
23 31	13	13-0434	LF 28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.35	142.42
			<i>For Seal Class B, Add</i>	35.61	
			<i>For Seal Class A, Add</i>	75.96	
			<i>For Work In Restricted Working Space, Add</i>	71.21	
23 31	13	13-0435	LF 28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.82	146.27
			<i>For Seal Class B, Add</i>	36.57	
			<i>For Seal Class A, Add</i>	78.01	
			<i>For Work In Restricted Working Space, Add</i>	73.13	
23 31	13	13-0436	LF 30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	224.08	115.48
			<i>For Seal Class B, Add</i>	28.87	
			<i>For Seal Class A, Add</i>	61.59	
			<i>For Work In Restricted Working Space, Add</i>	57.74	
23 31	13	13-0437	LF 30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	231.54	119.32
			<i>For Seal Class B, Add</i>	29.83	
			<i>For Seal Class A, Add</i>	63.64	
			<i>For Work In Restricted Working Space, Add</i>	59.66	
23 31	13	13-0438	LF 30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
			<i>For Seal Class B, Add</i>	30.80	
			<i>For Seal Class A, Add</i>	65.70	
			<i>For Work In Restricted Working Space, Add</i>	61.59	
23 31	13	13-0439	LF 30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	127.02
			<i>For Seal Class B, Add</i>	31.76	
			<i>For Seal Class A, Add</i>	67.75	
			<i>For Work In Restricted Working Space, Add</i>	63.51	
23 31	13	13-0440	LF 30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
			<i>For Seal Class B, Add</i>	32.72	
			<i>For Seal Class A, Add</i>	69.80	
			<i>For Work In Restricted Working Space, Add</i>	65.44	
23 31	13	13-0441	LF 30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.40	134.72
			<i>For Seal Class B, Add</i>	33.68	
			<i>For Seal Class A, Add</i>	71.85	
			<i>For Work In Restricted Working Space, Add</i>	67.36	
23 31	13	13-0442	LF 30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.88	138.57
			<i>For Seal Class B, Add</i>	34.64	
			<i>For Seal Class A, Add</i>	73.90	
			<i>For Work In Restricted Working Space, Add</i>	69.29	
23 31	13	13-0443	LF 30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.35	142.42
			<i>For Seal Class B, Add</i>	35.61	
			<i>For Seal Class A, Add</i>	75.96	
			<i>For Work In Restricted Working Space, Add</i>	71.21	
23 31	13	13-0444	LF 30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.82	146.27
			<i>For Seal Class B, Add</i>	36.57	
			<i>For Seal Class A, Add</i>	78.01	
			<i>For Work In Restricted Working Space, Add</i>	73.13	
23 31	13	13-0445	LF 30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.29	150.12
			<i>For Seal Class B, Add</i>	37.53	
			<i>For Seal Class A, Add</i>	80.06	
			<i>For Work In Restricted Working Space, Add</i>	75.06	
23 31	13	13-0446	LF 32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	239.01	123.17
			<i>For Seal Class B, Add</i>	30.80	
			<i>For Seal Class A, Add</i>	65.70	
			<i>For Work In Restricted Working Space, Add</i>	61.59	
23 31	13	13-0447	LF 32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.48	127.02
			<i>For Seal Class B, Add</i>	31.76	
			<i>For Seal Class A, Add</i>	67.75	
			<i>For Work In Restricted Working Space, Add</i>	63.51	
23 31	13	13-0448	LF 32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
			<i>For Seal Class B, Add</i>	32.72	
			<i>For Seal Class A, Add</i>	69.80	
			<i>For Work In Restricted Working Space, Add</i>	65.44	
23 31	13	13-0449	LF 32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.40	134.72
			<i>For Seal Class B, Add</i>	33.68	
			<i>For Seal Class A, Add</i>	71.85	
			<i>For Work In Restricted Working Space, Add</i>	67.36	
23 31	13	13-0450	LF 32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.88	138.57
			<i>For Seal Class B, Add</i>	34.64	
			<i>For Seal Class A, Add</i>	73.90	
			<i>For Work In Restricted Working Space, Add</i>	69.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0451 LF 32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.35	142.42
<i>For Seal Class B, Add</i>	35.61	
<i>For Seal Class A, Add</i>	75.96	
<i>For Work In Restricted Working Space, Add</i>	71.21	
23 31 13 13-0452 LF 32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.82	146.27
<i>For Seal Class B, Add</i>	36.57	
<i>For Seal Class A, Add</i>	78.01	
<i>For Work In Restricted Working Space, Add</i>	73.13	
23 31 13 13-0453 LF 32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.29	150.12
<i>For Seal Class B, Add</i>	37.53	
<i>For Seal Class A, Add</i>	80.06	
<i>For Work In Restricted Working Space, Add</i>	75.06	
23 31 13 13-0454 LF 32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.75	153.97
<i>For Seal Class B, Add</i>	38.49	
<i>For Seal Class A, Add</i>	82.12	
<i>For Work In Restricted Working Space, Add</i>	76.98	
23 31 13 13-0455 LF 34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	253.94	130.88
<i>For Seal Class B, Add</i>	32.72	
<i>For Seal Class A, Add</i>	69.80	
<i>For Work In Restricted Working Space, Add</i>	65.44	
23 31 13 13-0456 LF 34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.40	134.72
<i>For Seal Class B, Add</i>	33.68	
<i>For Seal Class A, Add</i>	71.85	
<i>For Work In Restricted Working Space, Add</i>	67.36	
23 31 13 13-0457 LF 34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.88	138.57
<i>For Seal Class B, Add</i>	34.64	
<i>For Seal Class A, Add</i>	73.90	
<i>For Work In Restricted Working Space, Add</i>	69.29	
23 31 13 13-0458 LF 34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.35	142.42
<i>For Seal Class B, Add</i>	35.61	
<i>For Seal Class A, Add</i>	75.96	
<i>For Work In Restricted Working Space, Add</i>	71.21	
23 31 13 13-0459 LF 34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.82	146.27
<i>For Seal Class B, Add</i>	36.57	
<i>For Seal Class A, Add</i>	78.01	
<i>For Work In Restricted Working Space, Add</i>	73.13	
23 31 13 13-0460 LF 34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.29	150.12
<i>For Seal Class B, Add</i>	37.53	
<i>For Seal Class A, Add</i>	80.06	
<i>For Work In Restricted Working Space, Add</i>	75.06	
23 31 13 13-0461 LF 34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.75	153.97
<i>For Seal Class B, Add</i>	38.49	
<i>For Seal Class A, Add</i>	82.12	
<i>For Work In Restricted Working Space, Add</i>	76.98	
23 31 13 13-0462 LF 34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.22	157.81
<i>For Seal Class B, Add</i>	39.45	
<i>For Seal Class A, Add</i>	84.17	
<i>For Work In Restricted Working Space, Add</i>	78.91	
23 31 13 13-0463 LF 36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	268.88	138.57
<i>For Seal Class B, Add</i>	34.64	
<i>For Seal Class A, Add</i>	73.90	
<i>For Work In Restricted Working Space, Add</i>	69.29	
23 31 13 13-0464 LF 36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	276.35	142.42
<i>For Seal Class B, Add</i>	35.61	
<i>For Seal Class A, Add</i>	75.96	
<i>For Work In Restricted Working Space, Add</i>	71.21	
23 31 13 13-0465 LF 36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.82	146.27
<i>For Seal Class B, Add</i>	36.57	
<i>For Seal Class A, Add</i>	78.01	
<i>For Work In Restricted Working Space, Add</i>	73.13	
23 31 13 13-0466 LF 36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.29	150.12
<i>For Seal Class B, Add</i>	37.53	
<i>For Seal Class A, Add</i>	80.06	
<i>For Work In Restricted Working Space, Add</i>	75.06	
23 31 13 13-0467 LF 36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.75	153.97
<i>For Seal Class B, Add</i>	38.49	
<i>For Seal Class A, Add</i>	82.12	
<i>For Work In Restricted Working Space, Add</i>	76.98	
23 31 13 13-0468 LF 36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.22	157.81
<i>For Seal Class B, Add</i>	39.45	
<i>For Seal Class A, Add</i>	84.17	
<i>For Work In Restricted Working Space, Add</i>	78.91	
23 31 13 13-0469 LF 36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.70	161.67
<i>For Seal Class B, Add</i>	40.42	
<i>For Seal Class A, Add</i>	86.22	
<i>For Work In Restricted Working Space, Add</i>	80.84	
23 31 13 13-0470 LF 38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	283.82	146.27
<i>For Seal Class B, Add</i>	36.57	
<i>For Seal Class A, Add</i>	78.01	
<i>For Work In Restricted Working Space, Add</i>	73.13	
23 31 13 13-0471 LF 38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	291.29	150.12
<i>For Seal Class B, Add</i>	37.53	
<i>For Seal Class A, Add</i>	80.06	
<i>For Work In Restricted Working Space, Add</i>	75.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.75	153.97
			<i>For Seal Class B, Add</i>	38.49	
			<i>For Seal Class A, Add</i>	82.12	
			<i>For Work In Restricted Working Space, Add</i>	76.98	
23 31 13	13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.22	157.81
			<i>For Seal Class B, Add</i>	39.45	
			<i>For Seal Class A, Add</i>	84.17	
			<i>For Work In Restricted Working Space, Add</i>	78.91	
23 31 13	13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.70	161.67
			<i>For Seal Class B, Add</i>	40.42	
			<i>For Seal Class A, Add</i>	86.22	
			<i>For Work In Restricted Working Space, Add</i>	80.84	
23 31 13	13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	165.52
			<i>For Seal Class B, Add</i>	41.38	
			<i>For Seal Class A, Add</i>	88.28	
			<i>For Work In Restricted Working Space, Add</i>	82.76	
23 31 13	13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	169.36
			<i>For Seal Class B, Add</i>	42.34	
			<i>For Seal Class A, Add</i>	90.33	
			<i>For Work In Restricted Working Space, Add</i>	84.68	
23 31 13	13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.75	153.97
			<i>For Seal Class B, Add</i>	38.49	
			<i>For Seal Class A, Add</i>	82.12	
			<i>For Work In Restricted Working Space, Add</i>	76.98	
23 31 13	13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.22	157.81
			<i>For Seal Class B, Add</i>	39.45	
			<i>For Seal Class A, Add</i>	84.17	
			<i>For Work In Restricted Working Space, Add</i>	78.91	
23 31 13	13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.70	161.67
			<i>For Seal Class B, Add</i>	40.42	
			<i>For Seal Class A, Add</i>	86.22	
			<i>For Work In Restricted Working Space, Add</i>	80.84	
23 31 13	13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	165.52
			<i>For Seal Class B, Add</i>	41.38	
			<i>For Seal Class A, Add</i>	88.28	
			<i>For Work In Restricted Working Space, Add</i>	82.76	
23 31 13	13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	169.36
			<i>For Seal Class B, Add</i>	42.34	
			<i>For Seal Class A, Add</i>	90.33	
			<i>For Work In Restricted Working Space, Add</i>	84.68	
23 31 13	13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.10	173.21
			<i>For Seal Class B, Add</i>	43.30	
			<i>For Seal Class A, Add</i>	92.38	
			<i>For Work In Restricted Working Space, Add</i>	86.61	
23 31 13	13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.57	177.07
			<i>For Seal Class B, Add</i>	44.27	
			<i>For Seal Class A, Add</i>	94.44	
			<i>For Work In Restricted Working Space, Add</i>	88.53	
23 31 13	13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.04	180.91
			<i>For Seal Class B, Add</i>	45.23	
			<i>For Seal Class A, Add</i>	96.49	
			<i>For Work In Restricted Working Space, Add</i>	90.46	
23 31 13	13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.70	161.67
			<i>For Seal Class B, Add</i>	40.42	
			<i>For Seal Class A, Add</i>	86.22	
			<i>For Work In Restricted Working Space, Add</i>	80.84	
23 31 13	13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	165.52
			<i>For Seal Class B, Add</i>	41.38	
			<i>For Seal Class A, Add</i>	88.28	
			<i>For Work In Restricted Working Space, Add</i>	82.76	
23 31 13	13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	169.36
			<i>For Seal Class B, Add</i>	42.34	
			<i>For Seal Class A, Add</i>	90.33	
			<i>For Work In Restricted Working Space, Add</i>	84.68	
23 31 13	13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.10	173.21
			<i>For Seal Class B, Add</i>	43.30	
			<i>For Seal Class A, Add</i>	92.38	
			<i>For Work In Restricted Working Space, Add</i>	86.61	
23 31 13	13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.57	177.07
			<i>For Seal Class B, Add</i>	44.27	
			<i>For Seal Class A, Add</i>	94.44	
			<i>For Work In Restricted Working Space, Add</i>	88.53	
23 31 13	13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.04	180.91
			<i>For Seal Class B, Add</i>	45.23	
			<i>For Seal Class A, Add</i>	96.49	
			<i>For Work In Restricted Working Space, Add</i>	90.46	
23 31 13	13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.50	184.76
			<i>For Seal Class B, Add</i>	46.19	
			<i>For Seal Class A, Add</i>	98.54	
			<i>For Work In Restricted Working Space, Add</i>	92.38	
23 31 13	13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.64	169.36
			<i>For Seal Class B, Add</i>	42.34	
			<i>For Seal Class A, Add</i>	90.33	
			<i>For Work In Restricted Working Space, Add</i>	84.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0493 LF 44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.10	173.21
<i>For Seal Class B, Add</i>	43.30	
<i>For Seal Class A, Add</i>	92.38	
<i>For Work In Restricted Working Space, Add</i>	86.61	
23 31 13 13-0494 LF 44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.57	177.07
<i>For Seal Class B, Add</i>	44.27	
<i>For Seal Class A, Add</i>	94.44	
<i>For Work In Restricted Working Space, Add</i>	88.53	
23 31 13 13-0495 LF 44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.04	180.91
<i>For Seal Class B, Add</i>	45.23	
<i>For Seal Class A, Add</i>	96.49	
<i>For Work In Restricted Working Space, Add</i>	90.46	
23 31 13 13-0496 LF 44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.50	184.76
<i>For Seal Class B, Add</i>	46.19	
<i>For Seal Class A, Add</i>	98.54	
<i>For Work In Restricted Working Space, Add</i>	92.38	
23 31 13 13-0497 LF 44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.97	188.61
<i>For Seal Class B, Add</i>	47.15	
<i>For Seal Class A, Add</i>	100.59	
<i>For Work In Restricted Working Space, Add</i>	94.31	
23 31 13 13-0498 LF 46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.57	177.07
<i>For Seal Class B, Add</i>	44.27	
<i>For Seal Class A, Add</i>	94.44	
<i>For Work In Restricted Working Space, Add</i>	88.53	
23 31 13 13-0499 LF 46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.04	180.91
<i>For Seal Class B, Add</i>	45.23	
<i>For Seal Class A, Add</i>	96.49	
<i>For Work In Restricted Working Space, Add</i>	90.46	
23 31 13 13-0500 LF 46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.50	184.76
<i>For Seal Class B, Add</i>	46.19	
<i>For Seal Class A, Add</i>	98.54	
<i>For Work In Restricted Working Space, Add</i>	92.38	
23 31 13 13-0501 LF 46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.97	188.61
<i>For Seal Class B, Add</i>	47.15	
<i>For Seal Class A, Add</i>	100.59	
<i>For Work In Restricted Working Space, Add</i>	94.31	
23 31 13 13-0502 LF 46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.45	192.47
<i>For Seal Class B, Add</i>	48.12	
<i>For Seal Class A, Add</i>	102.65	
<i>For Work In Restricted Working Space, Add</i>	96.23	
23 31 13 13-0503 LF 48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	358.50	184.76
<i>For Seal Class B, Add</i>	46.19	
<i>For Seal Class A, Add</i>	98.54	
<i>For Work In Restricted Working Space, Add</i>	92.38	
23 31 13 13-0504 LF 48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.97	188.61
<i>For Seal Class B, Add</i>	47.15	
<i>For Seal Class A, Add</i>	100.59	
<i>For Work In Restricted Working Space, Add</i>	94.31	
23 31 13 13-0505 LF 48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.45	192.47
<i>For Seal Class B, Add</i>	48.12	
<i>For Seal Class A, Add</i>	102.65	
<i>For Work In Restricted Working Space, Add</i>	96.23	
23 31 13 13-0506 LF 48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.91	196.31
<i>For Seal Class B, Add</i>	49.08	
<i>For Seal Class A, Add</i>	104.70	
<i>For Work In Restricted Working Space, Add</i>	98.15	
23 31 13 13-0507 LF 50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.45	192.47
<i>For Seal Class B, Add</i>	48.12	
<i>For Seal Class A, Add</i>	102.65	
<i>For Work In Restricted Working Space, Add</i>	96.23	
23 31 13 13-0508 LF 50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	380.91	196.31
<i>For Seal Class B, Add</i>	49.08	
<i>For Seal Class A, Add</i>	104.70	
<i>For Work In Restricted Working Space, Add</i>	98.15	
23 31 13 13-0509 LF 50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	388.39	200.16
<i>For Seal Class B, Add</i>	50.04	
<i>For Seal Class A, Add</i>	106.75	
<i>For Work In Restricted Working Space, Add</i>	100.08	
23 31 13 13-0510 LF 52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	388.39	200.16
<i>For Seal Class B, Add</i>	50.04	
<i>For Seal Class A, Add</i>	106.75	
<i>For Work In Restricted Working Space, Add</i>	100.08	
23 31 13 13-0511 LF 52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.86	204.01
<i>For Seal Class B, Add</i>	51.00	
<i>For Seal Class A, Add</i>	108.81	
<i>For Work In Restricted Working Space, Add</i>	102.01	
23 31 13 13-0512 LF 54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	403.32	207.86
<i>For Seal Class B, Add</i>	51.96	
<i>For Seal Class A, Add</i>	110.86	
<i>For Work In Restricted Working Space, Add</i>	103.93	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0514	LF 4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.18	18.13
	For Seal Class B, Add	4.53	
	For Seal Class A, Add	9.67	
	For Work In Restricted Working Space, Add	9.07	
23 31 13 13-0515	LF 4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.99	22.66
	For Seal Class B, Add	5.67	
	For Seal Class A, Add	12.09	
	For Work In Restricted Working Space, Add	11.34	
23 31 13 13-0516	LF 4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.79	27.20
	For Seal Class B, Add	6.80	
	For Seal Class A, Add	14.51	
	For Work In Restricted Working Space, Add	13.60	
23 31 13 13-0517	LF 4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.57	31.73
	For Seal Class B, Add	7.93	
	For Seal Class A, Add	16.92	
	For Work In Restricted Working Space, Add	15.87	
23 31 13 13-0518	LF 4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.38	36.27
	For Seal Class B, Add	9.07	
	For Seal Class A, Add	19.34	
	For Work In Restricted Working Space, Add	18.14	
23 31 13 13-0519	LF 4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.18	40.80
	For Seal Class B, Add	10.20	
	For Seal Class A, Add	21.76	
	For Work In Restricted Working Space, Add	20.40	
23 31 13 13-0520	LF 4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.96	45.34
	For Seal Class B, Add	11.33	
	For Seal Class A, Add	24.18	
	For Work In Restricted Working Space, Add	22.67	
23 31 13 13-0521	LF 6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.79	27.20
	For Seal Class B, Add	6.80	
	For Seal Class A, Add	14.51	
	For Work In Restricted Working Space, Add	13.60	
23 31 13 13-0522	LF 6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.57	31.73
	For Seal Class B, Add	7.93	
	For Seal Class A, Add	16.92	
	For Work In Restricted Working Space, Add	15.87	
23 31 13 13-0523	LF 6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.38	36.27
	For Seal Class B, Add	9.07	
	For Seal Class A, Add	19.34	
	For Work In Restricted Working Space, Add	18.14	
23 31 13 13-0524	LF 6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.18	40.80
	For Seal Class B, Add	10.20	
	For Seal Class A, Add	21.76	
	For Work In Restricted Working Space, Add	20.40	
23 31 13 13-0525	LF 6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.96	45.34
	For Seal Class B, Add	11.33	
	For Seal Class A, Add	24.18	
	For Work In Restricted Working Space, Add	22.67	
23 31 13 13-0526	LF 6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.77	49.86
	For Seal Class B, Add	12.47	
	For Seal Class A, Add	26.60	
	For Work In Restricted Working Space, Add	24.94	
23 31 13 13-0527	LF 8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.38	36.27
	For Seal Class B, Add	9.07	
	For Seal Class A, Add	19.34	
	For Work In Restricted Working Space, Add	18.14	
23 31 13 13-0528	LF 8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.18	40.80
	For Seal Class B, Add	10.20	
	For Seal Class A, Add	21.76	
	For Work In Restricted Working Space, Add	20.40	
23 31 13 13-0529	LF 8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.96	45.34
	For Seal Class B, Add	11.33	
	For Seal Class A, Add	24.18	
	For Work In Restricted Working Space, Add	22.67	
23 31 13 13-0530	LF 8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.77	49.86
	For Seal Class B, Add	12.47	
	For Seal Class A, Add	26.60	
	For Work In Restricted Working Space, Add	24.94	
23 31 13 13-0531	LF 8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.55	54.40
	For Seal Class B, Add	13.60	
	For Seal Class A, Add	29.01	
	For Work In Restricted Working Space, Add	27.20	
23 31 13 13-0532	LF 8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.35	58.93
	For Seal Class B, Add	14.73	
	For Seal Class A, Add	31.43	
	For Work In Restricted Working Space, Add	29.47	
23 31 13 13-0533	LF 8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.17	63.47
	For Seal Class B, Add	15.87	
	For Seal Class A, Add	33.85	
	For Work In Restricted Working Space, Add	31.74	
23 31 13 13-0534	LF 8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.95	68.00
	For Seal Class B, Add	17.00	
	For Seal Class A, Add	36.27	
	For Work In Restricted Working Space, Add	34.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0535 LF 8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.76	72.54
<i>For Seal Class B, Add</i>	18.14	
<i>For Seal Class A, Add</i>	38.69	
<i>For Work In Restricted Working Space, Add</i>	36.27	
23 31 13 13-0536 LF 10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.96	45.34
<i>For Seal Class B, Add</i>	11.33	
<i>For Seal Class A, Add</i>	24.18	
<i>For Work In Restricted Working Space, Add</i>	22.67	
23 31 13 13-0537 LF 10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.77	49.86
<i>For Seal Class B, Add</i>	12.47	
<i>For Seal Class A, Add</i>	26.60	
<i>For Work In Restricted Working Space, Add</i>	24.94	
23 31 13 13-0538 LF 10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.55	54.40
<i>For Seal Class B, Add</i>	13.60	
<i>For Seal Class A, Add</i>	29.01	
<i>For Work In Restricted Working Space, Add</i>	27.20	
23 31 13 13-0539 LF 10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.35	58.93
<i>For Seal Class B, Add</i>	14.73	
<i>For Seal Class A, Add</i>	31.43	
<i>For Work In Restricted Working Space, Add</i>	29.47	
23 31 13 13-0540 LF 10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.17	63.47
<i>For Seal Class B, Add</i>	15.87	
<i>For Seal Class A, Add</i>	33.85	
<i>For Work In Restricted Working Space, Add</i>	31.74	
23 31 13 13-0541 LF 10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.95	68.00
<i>For Seal Class B, Add</i>	17.00	
<i>For Seal Class A, Add</i>	36.27	
<i>For Work In Restricted Working Space, Add</i>	34.00	
23 31 13 13-0542 LF 10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.76	72.54
<i>For Seal Class B, Add</i>	18.14	
<i>For Seal Class A, Add</i>	38.69	
<i>For Work In Restricted Working Space, Add</i>	36.27	
23 31 13 13-0543 LF 10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.57	77.07
<i>For Seal Class B, Add</i>	19.27	
<i>For Seal Class A, Add</i>	41.11	
<i>For Work In Restricted Working Space, Add</i>	38.54	
23 31 13 13-0544 LF 10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.34	81.61
<i>For Seal Class B, Add</i>	20.40	
<i>For Seal Class A, Add</i>	43.52	
<i>For Work In Restricted Working Space, Add</i>	40.80	
23 31 13 13-0545 LF 10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.15	86.13
<i>For Seal Class B, Add</i>	21.54	
<i>For Seal Class A, Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	43.07	
23 31 13 13-0546 LF 10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.93	90.67
<i>For Seal Class B, Add</i>	22.67	
<i>For Seal Class A, Add</i>	48.36	
<i>For Work In Restricted Working Space, Add</i>	45.34	
23 31 13 13-0547 LF 10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.73	95.20
<i>For Seal Class B, Add</i>	23.80	
<i>For Seal Class A, Add</i>	50.77	
<i>For Work In Restricted Working Space, Add</i>	47.60	
23 31 13 13-0548 LF 12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.55	54.40
<i>For Seal Class B, Add</i>	13.60	
<i>For Seal Class A, Add</i>	29.01	
<i>For Work In Restricted Working Space, Add</i>	27.20	
23 31 13 13-0549 LF 12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.35	58.93
<i>For Seal Class B, Add</i>	14.73	
<i>For Seal Class A, Add</i>	31.43	
<i>For Work In Restricted Working Space, Add</i>	29.47	
23 31 13 13-0550 LF 12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.17	63.47
<i>For Seal Class B, Add</i>	15.87	
<i>For Seal Class A, Add</i>	33.85	
<i>For Work In Restricted Working Space, Add</i>	31.74	
23 31 13 13-0551 LF 12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.95	68.00
<i>For Seal Class B, Add</i>	17.00	
<i>For Seal Class A, Add</i>	36.27	
<i>For Work In Restricted Working Space, Add</i>	34.00	
23 31 13 13-0552 LF 12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.76	72.54
<i>For Seal Class B, Add</i>	18.14	
<i>For Seal Class A, Add</i>	38.69	
<i>For Work In Restricted Working Space, Add</i>	36.27	
23 31 13 13-0553 LF 12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.57	77.07
<i>For Seal Class B, Add</i>	19.27	
<i>For Seal Class A, Add</i>	41.11	
<i>For Work In Restricted Working Space, Add</i>	38.54	
23 31 13 13-0554 LF 12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.34	81.61
<i>For Seal Class B, Add</i>	20.40	
<i>For Seal Class A, Add</i>	43.52	
<i>For Work In Restricted Working Space, Add</i>	40.80	
23 31 13 13-0555 LF 12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.15	86.13
<i>For Seal Class B, Add</i>	21.54	
<i>For Seal Class A, Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	43.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.93	90.67
			<i>For Seal Class B, Add</i>	22.67	
			<i>For Seal Class A, Add</i>	48.36	
			<i>For Work In Restricted Working Space, Add</i>	45.34	
23 31 13	13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.73	95.20
			<i>For Seal Class B, Add</i>	23.80	
			<i>For Seal Class A, Add</i>	50.77	
			<i>For Work In Restricted Working Space, Add</i>	47.60	
23 31 13	13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.54	99.74
			<i>For Seal Class B, Add</i>	24.93	
			<i>For Seal Class A, Add</i>	53.19	
			<i>For Work In Restricted Working Space, Add</i>	49.87	
23 31 13	13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.32	104.27
			<i>For Seal Class B, Add</i>	26.07	
			<i>For Seal Class A, Add</i>	55.61	
			<i>For Work In Restricted Working Space, Add</i>	52.13	
23 31 13	13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.14	108.81
			<i>For Seal Class B, Add</i>	27.20	
			<i>For Seal Class A, Add</i>	58.03	
			<i>For Work In Restricted Working Space, Add</i>	54.41	
23 31 13	13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	123.17	63.47
			<i>For Seal Class B, Add</i>	15.87	
			<i>For Seal Class A, Add</i>	33.85	
			<i>For Work In Restricted Working Space, Add</i>	31.74	
23 31 13	13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.95	68.00
			<i>For Seal Class B, Add</i>	17.00	
			<i>For Seal Class A, Add</i>	36.27	
			<i>For Work In Restricted Working Space, Add</i>	34.00	
23 31 13	13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.76	72.54
			<i>For Seal Class B, Add</i>	18.14	
			<i>For Seal Class A, Add</i>	38.69	
			<i>For Work In Restricted Working Space, Add</i>	36.27	
23 31 13	13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.57	77.07
			<i>For Seal Class B, Add</i>	19.27	
			<i>For Seal Class A, Add</i>	41.11	
			<i>For Work In Restricted Working Space, Add</i>	38.54	
23 31 13	13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.34	81.61
			<i>For Seal Class B, Add</i>	20.40	
			<i>For Seal Class A, Add</i>	43.52	
			<i>For Work In Restricted Working Space, Add</i>	40.80	
23 31 13	13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.15	86.13
			<i>For Seal Class B, Add</i>	21.54	
			<i>For Seal Class A, Add</i>	45.94	
			<i>For Work In Restricted Working Space, Add</i>	43.07	
23 31 13	13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.93	90.67
			<i>For Seal Class B, Add</i>	22.67	
			<i>For Seal Class A, Add</i>	48.36	
			<i>For Work In Restricted Working Space, Add</i>	45.34	
23 31 13	13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.73	95.20
			<i>For Seal Class B, Add</i>	23.80	
			<i>For Seal Class A, Add</i>	50.77	
			<i>For Work In Restricted Working Space, Add</i>	47.60	
23 31 13	13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.54	99.74
			<i>For Seal Class B, Add</i>	24.93	
			<i>For Seal Class A, Add</i>	53.19	
			<i>For Work In Restricted Working Space, Add</i>	49.87	
23 31 13	13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.32	104.27
			<i>For Seal Class B, Add</i>	26.07	
			<i>For Seal Class A, Add</i>	55.61	
			<i>For Work In Restricted Working Space, Add</i>	52.13	
23 31 13	13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.14	108.81
			<i>For Seal Class B, Add</i>	27.20	
			<i>For Seal Class A, Add</i>	58.03	
			<i>For Work In Restricted Working Space, Add</i>	54.41	
23 31 13	13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.92	113.34
			<i>For Seal Class B, Add</i>	28.34	
			<i>For Seal Class A, Add</i>	60.45	
			<i>For Work In Restricted Working Space, Add</i>	56.67	
23 31 13	13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.76	72.54
			<i>For Seal Class B, Add</i>	18.14	
			<i>For Seal Class A, Add</i>	38.69	
			<i>For Work In Restricted Working Space, Add</i>	36.27	
23 31 13	13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	149.57	77.07
			<i>For Seal Class B, Add</i>	19.27	
			<i>For Seal Class A, Add</i>	41.11	
			<i>For Work In Restricted Working Space, Add</i>	38.54	
23 31 13	13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.34	81.61
			<i>For Seal Class B, Add</i>	20.40	
			<i>For Seal Class A, Add</i>	43.52	
			<i>For Work In Restricted Working Space, Add</i>	40.80	
23 31 13	13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.15	86.13
			<i>For Seal Class B, Add</i>	21.54	
			<i>For Seal Class A, Add</i>	45.94	
			<i>For Work In Restricted Working Space, Add</i>	43.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0577 LF 16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.93	90.67
<i>For Seal Class B, Add</i>	22.67	
<i>For Seal Class A, Add</i>	48.36	
<i>For Work In Restricted Working Space, Add</i>	45.34	
23 31 13 13-0578 LF 16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.73	95.20
<i>For Seal Class B, Add</i>	23.80	
<i>For Seal Class A, Add</i>	50.77	
<i>For Work In Restricted Working Space, Add</i>	47.60	
23 31 13 13-0579 LF 16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.54	99.74
<i>For Seal Class B, Add</i>	24.93	
<i>For Seal Class A, Add</i>	53.19	
<i>For Work In Restricted Working Space, Add</i>	49.87	
23 31 13 13-0580 LF 16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.32	104.27
<i>For Seal Class B, Add</i>	26.07	
<i>For Seal Class A, Add</i>	55.61	
<i>For Work In Restricted Working Space, Add</i>	52.13	
23 31 13 13-0581 LF 16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.14	108.81
<i>For Seal Class B, Add</i>	27.20	
<i>For Seal Class A, Add</i>	58.03	
<i>For Work In Restricted Working Space, Add</i>	54.41	
23 31 13 13-0582 LF 16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.92	113.34
<i>For Seal Class B, Add</i>	28.34	
<i>For Seal Class A, Add</i>	60.45	
<i>For Work In Restricted Working Space, Add</i>	56.67	
23 31 13 13-0583 LF 16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.72	117.88
<i>For Seal Class B, Add</i>	29.47	
<i>For Seal Class A, Add</i>	62.87	
<i>For Work In Restricted Working Space, Add</i>	58.94	
23 31 13 13-0584 LF 16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.52	122.40
<i>For Seal Class B, Add</i>	30.60	
<i>For Seal Class A, Add</i>	65.28	
<i>For Work In Restricted Working Space, Add</i>	61.20	
23 31 13 13-0585 LF 16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.31	126.94
<i>For Seal Class B, Add</i>	31.74	
<i>For Seal Class A, Add</i>	67.70	
<i>For Work In Restricted Working Space, Add</i>	63.47	
23 31 13 13-0586 LF 16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.11	131.47
<i>For Seal Class B, Add</i>	32.87	
<i>For Seal Class A, Add</i>	70.12	
<i>For Work In Restricted Working Space, Add</i>	65.74	
23 31 13 13-0587 LF 16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92	136.01
<i>For Seal Class B, Add</i>	34.00	
<i>For Seal Class A, Add</i>	72.54	
<i>For Work In Restricted Working Space, Add</i>	68.00	
23 31 13 13-0588 LF 18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	158.34	81.61
<i>For Seal Class B, Add</i>	20.40	
<i>For Seal Class A, Add</i>	43.52	
<i>For Work In Restricted Working Space, Add</i>	40.80	
23 31 13 13-0589 LF 18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	167.15	86.13
<i>For Seal Class B, Add</i>	21.54	
<i>For Seal Class A, Add</i>	45.94	
<i>For Work In Restricted Working Space, Add</i>	43.07	
23 31 13 13-0590 LF 18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.93	90.67
<i>For Seal Class B, Add</i>	22.67	
<i>For Seal Class A, Add</i>	48.36	
<i>For Work In Restricted Working Space, Add</i>	45.34	
23 31 13 13-0591 LF 18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.73	95.20
<i>For Seal Class B, Add</i>	23.80	
<i>For Seal Class A, Add</i>	50.77	
<i>For Work In Restricted Working Space, Add</i>	47.60	
23 31 13 13-0592 LF 18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.54	99.74
<i>For Seal Class B, Add</i>	24.93	
<i>For Seal Class A, Add</i>	53.19	
<i>For Work In Restricted Working Space, Add</i>	49.87	
23 31 13 13-0593 LF 18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.32	104.27
<i>For Seal Class B, Add</i>	26.07	
<i>For Seal Class A, Add</i>	55.61	
<i>For Work In Restricted Working Space, Add</i>	52.13	
23 31 13 13-0594 LF 18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.14	108.81
<i>For Seal Class B, Add</i>	27.20	
<i>For Seal Class A, Add</i>	58.03	
<i>For Work In Restricted Working Space, Add</i>	54.41	
23 31 13 13-0595 LF 18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.92	113.34
<i>For Seal Class B, Add</i>	28.34	
<i>For Seal Class A, Add</i>	60.45	
<i>For Work In Restricted Working Space, Add</i>	56.67	
23 31 13 13-0596 LF 18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.72	117.88
<i>For Seal Class B, Add</i>	29.47	
<i>For Seal Class A, Add</i>	62.87	
<i>For Work In Restricted Working Space, Add</i>	58.94	
23 31 13 13-0597 LF 18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.52	122.40
<i>For Seal Class B, Add</i>	30.60	
<i>For Seal Class A, Add</i>	65.28	
<i>For Work In Restricted Working Space, Add</i>	61.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.31	126.94
			<i>For Seal Class B, Add</i>	31.74	
			<i>For Seal Class A, Add</i>	67.70	
			<i>For Work In Restricted Working Space, Add</i>	63.47	
23 31 13	13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.11	131.47
			<i>For Seal Class B, Add</i>	32.87	
			<i>For Seal Class A, Add</i>	70.12	
			<i>For Work In Restricted Working Space, Add</i>	65.74	
23 31 13	13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92	136.01
			<i>For Seal Class B, Add</i>	34.00	
			<i>For Seal Class A, Add</i>	72.54	
			<i>For Work In Restricted Working Space, Add</i>	68.00	
23 31 13	13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.70	140.54
			<i>For Seal Class B, Add</i>	35.14	
			<i>For Seal Class A, Add</i>	74.96	
			<i>For Work In Restricted Working Space, Add</i>	70.27	
23 31 13	13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51	145.08
			<i>For Seal Class B, Add</i>	36.27	
			<i>For Seal Class A, Add</i>	77.38	
			<i>For Work In Restricted Working Space, Add</i>	72.54	
23 31 13	13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.93	90.67
			<i>For Seal Class B, Add</i>	22.67	
			<i>For Seal Class A, Add</i>	48.36	
			<i>For Work In Restricted Working Space, Add</i>	45.34	
23 31 13	13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	184.73	95.20
			<i>For Seal Class B, Add</i>	23.80	
			<i>For Seal Class A, Add</i>	50.77	
			<i>For Work In Restricted Working Space, Add</i>	47.60	
23 31 13	13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.54	99.74
			<i>For Seal Class B, Add</i>	24.93	
			<i>For Seal Class A, Add</i>	53.19	
			<i>For Work In Restricted Working Space, Add</i>	49.87	
23 31 13	13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.32	104.27
			<i>For Seal Class B, Add</i>	26.07	
			<i>For Seal Class A, Add</i>	55.61	
			<i>For Work In Restricted Working Space, Add</i>	52.13	
23 31 13	13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.14	108.81
			<i>For Seal Class B, Add</i>	27.20	
			<i>For Seal Class A, Add</i>	58.03	
			<i>For Work In Restricted Working Space, Add</i>	54.41	
23 31 13	13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.92	113.34
			<i>For Seal Class B, Add</i>	28.34	
			<i>For Seal Class A, Add</i>	60.45	
			<i>For Work In Restricted Working Space, Add</i>	56.67	
23 31 13	13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.72	117.88
			<i>For Seal Class B, Add</i>	29.47	
			<i>For Seal Class A, Add</i>	62.87	
			<i>For Work In Restricted Working Space, Add</i>	58.94	
23 31 13	13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.52	122.40
			<i>For Seal Class B, Add</i>	30.60	
			<i>For Seal Class A, Add</i>	65.28	
			<i>For Work In Restricted Working Space, Add</i>	61.20	
23 31 13	13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.31	126.94
			<i>For Seal Class B, Add</i>	31.74	
			<i>For Seal Class A, Add</i>	67.70	
			<i>For Work In Restricted Working Space, Add</i>	63.47	
23 31 13	13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.11	131.47
			<i>For Seal Class B, Add</i>	32.87	
			<i>For Seal Class A, Add</i>	70.12	
			<i>For Work In Restricted Working Space, Add</i>	65.74	
23 31 13	13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92	136.01
			<i>For Seal Class B, Add</i>	34.00	
			<i>For Seal Class A, Add</i>	72.54	
			<i>For Work In Restricted Working Space, Add</i>	68.00	
23 31 13	13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.70	140.54
			<i>For Seal Class B, Add</i>	35.14	
			<i>For Seal Class A, Add</i>	74.96	
			<i>For Work In Restricted Working Space, Add</i>	70.27	
23 31 13	13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51	145.08
			<i>For Seal Class B, Add</i>	36.27	
			<i>For Seal Class A, Add</i>	77.38	
			<i>For Work In Restricted Working Space, Add</i>	72.54	
23 31 13	13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.29	149.61
			<i>For Seal Class B, Add</i>	37.40	
			<i>For Seal Class A, Add</i>	79.79	
			<i>For Work In Restricted Working Space, Add</i>	74.81	
23 31 13	13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10	154.15
			<i>For Seal Class B, Add</i>	38.54	
			<i>For Seal Class A, Add</i>	82.21	
			<i>For Work In Restricted Working Space, Add</i>	77.07	
23 31 13	13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.54	99.74
			<i>For Seal Class B, Add</i>	24.93	
			<i>For Seal Class A, Add</i>	53.19	
			<i>For Work In Restricted Working Space, Add</i>	49.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0619 LF 22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.32	104.27
<i>For Seal Class B, Add</i>	26.07	
<i>For Seal Class A, Add</i>	55.61	
<i>For Work In Restricted Working Space, Add</i>	52.13	
23 31 13 13-0620 LF 22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.14	108.81
<i>For Seal Class B, Add</i>	27.20	
<i>For Seal Class A, Add</i>	58.03	
<i>For Work In Restricted Working Space, Add</i>	54.41	
23 31 13 13-0621 LF 22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.92	113.34
<i>For Seal Class B, Add</i>	28.34	
<i>For Seal Class A, Add</i>	60.45	
<i>For Work In Restricted Working Space, Add</i>	56.67	
23 31 13 13-0622 LF 22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.72	117.88
<i>For Seal Class B, Add</i>	29.47	
<i>For Seal Class A, Add</i>	62.87	
<i>For Work In Restricted Working Space, Add</i>	58.94	
23 31 13 13-0623 LF 22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.52	122.40
<i>For Seal Class B, Add</i>	30.60	
<i>For Seal Class A, Add</i>	65.28	
<i>For Work In Restricted Working Space, Add</i>	61.20	
23 31 13 13-0624 LF 22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.31	126.94
<i>For Seal Class B, Add</i>	31.74	
<i>For Seal Class A, Add</i>	67.70	
<i>For Work In Restricted Working Space, Add</i>	63.47	
23 31 13 13-0625 LF 22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.11	131.47
<i>For Seal Class B, Add</i>	32.87	
<i>For Seal Class A, Add</i>	70.12	
<i>For Work In Restricted Working Space, Add</i>	65.74	
23 31 13 13-0626 LF 22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92	136.01
<i>For Seal Class B, Add</i>	34.00	
<i>For Seal Class A, Add</i>	72.54	
<i>For Work In Restricted Working Space, Add</i>	68.00	
23 31 13 13-0627 LF 22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.70	140.54
<i>For Seal Class B, Add</i>	35.14	
<i>For Seal Class A, Add</i>	74.96	
<i>For Work In Restricted Working Space, Add</i>	70.27	
23 31 13 13-0628 LF 22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51	145.08
<i>For Seal Class B, Add</i>	36.27	
<i>For Seal Class A, Add</i>	77.38	
<i>For Work In Restricted Working Space, Add</i>	72.54	
23 31 13 13-0629 LF 22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.29	149.61
<i>For Seal Class B, Add</i>	37.40	
<i>For Seal Class A, Add</i>	79.79	
<i>For Work In Restricted Working Space, Add</i>	74.81	
23 31 13 13-0630 LF 22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10	154.15
<i>For Seal Class B, Add</i>	38.54	
<i>For Seal Class A, Add</i>	82.21	
<i>For Work In Restricted Working Space, Add</i>	77.07	
23 31 13 13-0631 LF 22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.90	158.67
<i>For Seal Class B, Add</i>	39.67	
<i>For Seal Class A, Add</i>	84.63	
<i>For Work In Restricted Working Space, Add</i>	79.34	
23 31 13 13-0632 LF 24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.14	108.81
<i>For Seal Class B, Add</i>	27.20	
<i>For Seal Class A, Add</i>	58.03	
<i>For Work In Restricted Working Space, Add</i>	54.41	
23 31 13 13-0633 LF 24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.92	113.34
<i>For Seal Class B, Add</i>	28.34	
<i>For Seal Class A, Add</i>	60.45	
<i>For Work In Restricted Working Space, Add</i>	56.67	
23 31 13 13-0634 LF 24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.72	117.88
<i>For Seal Class B, Add</i>	29.47	
<i>For Seal Class A, Add</i>	62.87	
<i>For Work In Restricted Working Space, Add</i>	58.94	
23 31 13 13-0635 LF 24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.52	122.40
<i>For Seal Class B, Add</i>	30.60	
<i>For Seal Class A, Add</i>	65.28	
<i>For Work In Restricted Working Space, Add</i>	61.20	
23 31 13 13-0636 LF 24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.31	126.94
<i>For Seal Class B, Add</i>	31.74	
<i>For Seal Class A, Add</i>	67.70	
<i>For Work In Restricted Working Space, Add</i>	63.47	
23 31 13 13-0637 LF 24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.11	131.47
<i>For Seal Class B, Add</i>	32.87	
<i>For Seal Class A, Add</i>	70.12	
<i>For Work In Restricted Working Space, Add</i>	65.74	
23 31 13 13-0638 LF 24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92	136.01
<i>For Seal Class B, Add</i>	34.00	
<i>For Seal Class A, Add</i>	72.54	
<i>For Work In Restricted Working Space, Add</i>	68.00	
23 31 13 13-0639 LF 24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.70	140.54
<i>For Seal Class B, Add</i>	35.14	
<i>For Seal Class A, Add</i>	74.96	
<i>For Work In Restricted Working Space, Add</i>	70.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13	13-0640	LF 24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51		145.08
		<i>For Seal Class B, Add</i>	36.27		
		<i>For Seal Class A, Add</i>	77.38		
		<i>For Work In Restricted Working Space, Add</i>	72.54		
23 31 13	13-0641	LF 24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.29		149.61
		<i>For Seal Class B, Add</i>	37.40		
		<i>For Seal Class A, Add</i>	79.79		
		<i>For Work In Restricted Working Space, Add</i>	74.81		
23 31 13	13-0642	LF 24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10		154.15
		<i>For Seal Class B, Add</i>	38.54		
		<i>For Seal Class A, Add</i>	82.21		
		<i>For Work In Restricted Working Space, Add</i>	77.07		
23 31 13	13-0643	LF 24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.90		158.67
		<i>For Seal Class B, Add</i>	39.67		
		<i>For Seal Class A, Add</i>	84.63		
		<i>For Work In Restricted Working Space, Add</i>	79.34		
23 31 13	13-0644	LF 24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.68		163.21
		<i>For Seal Class B, Add</i>	40.80		
		<i>For Seal Class A, Add</i>	87.04		
		<i>For Work In Restricted Working Space, Add</i>	81.60		
23 31 13	13-0645	LF 26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	228.72		117.88
		<i>For Seal Class B, Add</i>	29.47		
		<i>For Seal Class A, Add</i>	62.87		
		<i>For Work In Restricted Working Space, Add</i>	58.94		
23 31 13	13-0646	LF 26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.52		122.40
		<i>For Seal Class B, Add</i>	30.60		
		<i>For Seal Class A, Add</i>	65.28		
		<i>For Work In Restricted Working Space, Add</i>	61.20		
23 31 13	13-0647	LF 26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.31		126.94
		<i>For Seal Class B, Add</i>	31.74		
		<i>For Seal Class A, Add</i>	67.70		
		<i>For Work In Restricted Working Space, Add</i>	63.47		
23 31 13	13-0648	LF 26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.11		131.47
		<i>For Seal Class B, Add</i>	32.87		
		<i>For Seal Class A, Add</i>	70.12		
		<i>For Work In Restricted Working Space, Add</i>	65.74		
23 31 13	13-0649	LF 26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92		136.01
		<i>For Seal Class B, Add</i>	34.00		
		<i>For Seal Class A, Add</i>	72.54		
		<i>For Work In Restricted Working Space, Add</i>	68.00		
23 31 13	13-0650	LF 26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.70		140.54
		<i>For Seal Class B, Add</i>	35.14		
		<i>For Seal Class A, Add</i>	74.96		
		<i>For Work In Restricted Working Space, Add</i>	70.27		
23 31 13	13-0651	LF 26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51		145.08
		<i>For Seal Class B, Add</i>	36.27		
		<i>For Seal Class A, Add</i>	77.38		
		<i>For Work In Restricted Working Space, Add</i>	72.54		
23 31 13	13-0652	LF 26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.29		149.61
		<i>For Seal Class B, Add</i>	37.40		
		<i>For Seal Class A, Add</i>	79.79		
		<i>For Work In Restricted Working Space, Add</i>	74.81		
23 31 13	13-0653	LF 26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10		154.15
		<i>For Seal Class B, Add</i>	38.54		
		<i>For Seal Class A, Add</i>	82.21		
		<i>For Work In Restricted Working Space, Add</i>	77.07		
23 31 13	13-0654	LF 26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.90		158.67
		<i>For Seal Class B, Add</i>	39.67		
		<i>For Seal Class A, Add</i>	84.63		
		<i>For Work In Restricted Working Space, Add</i>	79.34		
23 31 13	13-0655	LF 26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.68		163.21
		<i>For Seal Class B, Add</i>	40.80		
		<i>For Seal Class A, Add</i>	87.04		
		<i>For Work In Restricted Working Space, Add</i>	81.60		
23 31 13	13-0656	LF 26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.50		167.74
		<i>For Seal Class B, Add</i>	41.94		
		<i>For Seal Class A, Add</i>	89.47		
		<i>For Work In Restricted Working Space, Add</i>	83.87		
23 31 13	13-0657	LF 28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.31		126.94
		<i>For Seal Class B, Add</i>	31.74		
		<i>For Seal Class A, Add</i>	67.70		
		<i>For Work In Restricted Working Space, Add</i>	63.47		
23 31 13	13-0658	LF 28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	255.11		131.47
		<i>For Seal Class B, Add</i>	32.87		
		<i>For Seal Class A, Add</i>	70.12		
		<i>For Work In Restricted Working Space, Add</i>	65.74		
23 31 13	13-0659	LF 28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92		136.01
		<i>For Seal Class B, Add</i>	34.00		
		<i>For Seal Class A, Add</i>	72.54		
		<i>For Work In Restricted Working Space, Add</i>	68.00		
23 31 13	13-0660	LF 28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.70		140.54
		<i>For Seal Class B, Add</i>	35.14		
		<i>For Seal Class A, Add</i>	74.96		
		<i>For Work In Restricted Working Space, Add</i>	70.27		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0661 LF 28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51	145.08
For Seal Class B, Add	36.27	
For Seal Class A, Add	77.38	
For Work In Restricted Working Space, Add	72.54	
23 31 13 13-0662 LF 28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.29	149.61
For Seal Class B, Add	37.40	
For Seal Class A, Add	79.79	
For Work In Restricted Working Space, Add	74.81	
23 31 13 13-0663 LF 28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10	154.15
For Seal Class B, Add	38.54	
For Seal Class A, Add	82.21	
For Work In Restricted Working Space, Add	77.07	
23 31 13 13-0664 LF 28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.90	158.67
For Seal Class B, Add	39.67	
For Seal Class A, Add	84.63	
For Work In Restricted Working Space, Add	79.34	
23 31 13 13-0665 LF 28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.68	163.21
For Seal Class B, Add	40.80	
For Seal Class A, Add	87.04	
For Work In Restricted Working Space, Add	81.60	
23 31 13 13-0666 LF 28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.50	167.74
For Seal Class B, Add	41.94	
For Seal Class A, Add	89.47	
For Work In Restricted Working Space, Add	83.87	
23 31 13 13-0667 LF 28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.27	172.28
For Seal Class B, Add	43.07	
For Seal Class A, Add	91.88	
For Work In Restricted Working Space, Add	86.14	
23 31 13 13-0668 LF 30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.92	136.01
For Seal Class B, Add	34.00	
For Seal Class A, Add	72.54	
For Work In Restricted Working Space, Add	68.00	
23 31 13 13-0669 LF 30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.70	140.54
For Seal Class B, Add	35.14	
For Seal Class A, Add	74.96	
For Work In Restricted Working Space, Add	70.27	
23 31 13 13-0670 LF 30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51	145.08
For Seal Class B, Add	36.27	
For Seal Class A, Add	77.38	
For Work In Restricted Working Space, Add	72.54	
23 31 13 13-0671 LF 30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.29	149.61
For Seal Class B, Add	37.40	
For Seal Class A, Add	79.79	
For Work In Restricted Working Space, Add	74.81	
23 31 13 13-0672 LF 30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10	154.15
For Seal Class B, Add	38.54	
For Seal Class A, Add	82.21	
For Work In Restricted Working Space, Add	77.07	
23 31 13 13-0673 LF 30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.90	158.67
For Seal Class B, Add	39.67	
For Seal Class A, Add	84.63	
For Work In Restricted Working Space, Add	79.34	
23 31 13 13-0674 LF 30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.68	163.21
For Seal Class B, Add	40.80	
For Seal Class A, Add	87.04	
For Work In Restricted Working Space, Add	81.60	
23 31 13 13-0675 LF 30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.50	167.74
For Seal Class B, Add	41.94	
For Seal Class A, Add	89.47	
For Work In Restricted Working Space, Add	83.87	
23 31 13 13-0676 LF 30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.27	172.28
For Seal Class B, Add	43.07	
For Seal Class A, Add	91.88	
For Work In Restricted Working Space, Add	86.14	
23 31 13 13-0677 LF 30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.07	176.81
For Seal Class B, Add	44.20	
For Seal Class A, Add	94.30	
For Work In Restricted Working Space, Add	88.40	
23 31 13 13-0678 LF 32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.51	145.08
For Seal Class B, Add	36.27	
For Seal Class A, Add	77.38	
For Work In Restricted Working Space, Add	72.54	
23 31 13 13-0679 LF 32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.29	149.61
For Seal Class B, Add	37.40	
For Seal Class A, Add	79.79	
For Work In Restricted Working Space, Add	74.81	
23 31 13 13-0680 LF 32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10	154.15
For Seal Class B, Add	38.54	
For Seal Class A, Add	82.21	
For Work In Restricted Working Space, Add	77.07	
23 31 13 13-0681 LF 32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.90	158.67
For Seal Class B, Add	39.67	
For Seal Class A, Add	84.63	
For Work In Restricted Working Space, Add	79.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.68	163.21
			<i>For Seal Class B, Add</i>	40.80	
			<i>For Seal Class A, Add</i>	87.04	
			<i>For Work In Restricted Working Space, Add</i>	81.60	
23 31 13	13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.50	167.74
			<i>For Seal Class B, Add</i>	41.94	
			<i>For Seal Class A, Add</i>	89.47	
			<i>For Work In Restricted Working Space, Add</i>	83.87	
23 31 13	13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.27	172.28
			<i>For Seal Class B, Add</i>	43.07	
			<i>For Seal Class A, Add</i>	91.88	
			<i>For Work In Restricted Working Space, Add</i>	86.14	
23 31 13	13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.07	176.81
			<i>For Seal Class B, Add</i>	44.20	
			<i>For Seal Class A, Add</i>	94.30	
			<i>For Work In Restricted Working Space, Add</i>	88.40	
23 31 13	13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.88	181.35
			<i>For Seal Class B, Add</i>	45.34	
			<i>For Seal Class A, Add</i>	96.72	
			<i>For Work In Restricted Working Space, Add</i>	90.67	
23 31 13	13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	299.10	154.15
			<i>For Seal Class B, Add</i>	38.54	
			<i>For Seal Class A, Add</i>	82.21	
			<i>For Work In Restricted Working Space, Add</i>	77.07	
23 31 13	13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.90	158.67
			<i>For Seal Class B, Add</i>	39.67	
			<i>For Seal Class A, Add</i>	84.63	
			<i>For Work In Restricted Working Space, Add</i>	79.34	
23 31 13	13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.68	163.21
			<i>For Seal Class B, Add</i>	40.80	
			<i>For Seal Class A, Add</i>	87.04	
			<i>For Work In Restricted Working Space, Add</i>	81.60	
23 31 13	13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.50	167.74
			<i>For Seal Class B, Add</i>	41.94	
			<i>For Seal Class A, Add</i>	89.47	
			<i>For Work In Restricted Working Space, Add</i>	83.87	
23 31 13	13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.27	172.28
			<i>For Seal Class B, Add</i>	43.07	
			<i>For Seal Class A, Add</i>	91.88	
			<i>For Work In Restricted Working Space, Add</i>	86.14	
23 31 13	13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.07	176.81
			<i>For Seal Class B, Add</i>	44.20	
			<i>For Seal Class A, Add</i>	94.30	
			<i>For Work In Restricted Working Space, Add</i>	88.40	
23 31 13	13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.88	181.35
			<i>For Seal Class B, Add</i>	45.34	
			<i>For Seal Class A, Add</i>	96.72	
			<i>For Work In Restricted Working Space, Add</i>	90.67	
23 31 13	13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.67	185.88
			<i>For Seal Class B, Add</i>	46.47	
			<i>For Seal Class A, Add</i>	99.14	
			<i>For Work In Restricted Working Space, Add</i>	92.94	
23 31 13	13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.68	163.21
			<i>For Seal Class B, Add</i>	40.80	
			<i>For Seal Class A, Add</i>	87.04	
			<i>For Work In Restricted Working Space, Add</i>	81.60	
23 31 13	13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	325.50	167.74
			<i>For Seal Class B, Add</i>	41.94	
			<i>For Seal Class A, Add</i>	89.47	
			<i>For Work In Restricted Working Space, Add</i>	83.87	
23 31 13	13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.27	172.28
			<i>For Seal Class B, Add</i>	43.07	
			<i>For Seal Class A, Add</i>	91.88	
			<i>For Work In Restricted Working Space, Add</i>	86.14	
23 31 13	13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.07	176.81
			<i>For Seal Class B, Add</i>	44.20	
			<i>For Seal Class A, Add</i>	94.30	
			<i>For Work In Restricted Working Space, Add</i>	88.40	
23 31 13	13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.88	181.35
			<i>For Seal Class B, Add</i>	45.34	
			<i>For Seal Class A, Add</i>	96.72	
			<i>For Work In Restricted Working Space, Add</i>	90.67	
23 31 13	13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.67	185.88
			<i>For Seal Class B, Add</i>	46.47	
			<i>For Seal Class A, Add</i>	99.14	
			<i>For Work In Restricted Working Space, Add</i>	92.94	
23 31 13	13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.47	190.41
			<i>For Seal Class B, Add</i>	47.60	
			<i>For Seal Class A, Add</i>	101.55	
			<i>For Work In Restricted Working Space, Add</i>	95.21	
23 31 13	13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	334.27	172.28
			<i>For Seal Class B, Add</i>	43.07	
			<i>For Seal Class A, Add</i>	91.88	
			<i>For Work In Restricted Working Space, Add</i>	86.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0703 LF 38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.07	176.81
<i>For Seal Class B, Add</i>	44.20	
<i>For Seal Class A, Add</i>	94.30	
<i>For Work In Restricted Working Space, Add</i>	88.40	
23 31 13 13-0704 LF 38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.88	181.35
<i>For Seal Class B, Add</i>	45.34	
<i>For Seal Class A, Add</i>	96.72	
<i>For Work In Restricted Working Space, Add</i>	90.67	
23 31 13 13-0705 LF 38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.67	185.88
<i>For Seal Class B, Add</i>	46.47	
<i>For Seal Class A, Add</i>	99.14	
<i>For Work In Restricted Working Space, Add</i>	92.94	
23 31 13 13-0706 LF 38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.47	190.41
<i>For Seal Class B, Add</i>	47.60	
<i>For Seal Class A, Add</i>	101.55	
<i>For Work In Restricted Working Space, Add</i>	95.21	
23 31 13 13-0707 LF 38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	194.94
<i>For Seal Class B, Add</i>	48.74	
<i>For Seal Class A, Add</i>	103.97	
<i>For Work In Restricted Working Space, Add</i>	97.48	
23 31 13 13-0708 LF 38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.06	199.48
<i>For Seal Class B, Add</i>	49.87	
<i>For Seal Class A, Add</i>	106.39	
<i>For Work In Restricted Working Space, Add</i>	99.74	
23 31 13 13-0709 LF 40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.88	181.35
<i>For Seal Class B, Add</i>	45.34	
<i>For Seal Class A, Add</i>	96.72	
<i>For Work In Restricted Working Space, Add</i>	90.67	
23 31 13 13-0710 LF 40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.67	185.88
<i>For Seal Class B, Add</i>	46.47	
<i>For Seal Class A, Add</i>	99.14	
<i>For Work In Restricted Working Space, Add</i>	92.94	
23 31 13 13-0711 LF 40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.47	190.41
<i>For Seal Class B, Add</i>	47.60	
<i>For Seal Class A, Add</i>	101.55	
<i>For Work In Restricted Working Space, Add</i>	95.21	
23 31 13 13-0712 LF 40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	194.94
<i>For Seal Class B, Add</i>	48.74	
<i>For Seal Class A, Add</i>	103.97	
<i>For Work In Restricted Working Space, Add</i>	97.48	
23 31 13 13-0713 LF 40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.06	199.48
<i>For Seal Class B, Add</i>	49.87	
<i>For Seal Class A, Add</i>	106.39	
<i>For Work In Restricted Working Space, Add</i>	99.74	
23 31 13 13-0714 LF 40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.87	204.01
<i>For Seal Class B, Add</i>	51.00	
<i>For Seal Class A, Add</i>	108.81	
<i>For Work In Restricted Working Space, Add</i>	102.01	
23 31 13 13-0715 LF 40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.65	208.55
<i>For Seal Class B, Add</i>	52.14	
<i>For Seal Class A, Add</i>	111.23	
<i>For Work In Restricted Working Space, Add</i>	104.27	
23 31 13 13-0716 LF 40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.45	213.08
<i>For Seal Class B, Add</i>	53.27	
<i>For Seal Class A, Add</i>	113.64	
<i>For Work In Restricted Working Space, Add</i>	106.54	
23 31 13 13-0717 LF 40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.26	217.62
<i>For Seal Class B, Add</i>	54.40	
<i>For Seal Class A, Add</i>	116.06	
<i>For Work In Restricted Working Space, Add</i>	108.81	
23 31 13 13-0718 LF 42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.47	190.41
<i>For Seal Class B, Add</i>	47.60	
<i>For Seal Class A, Add</i>	101.55	
<i>For Work In Restricted Working Space, Add</i>	95.21	
23 31 13 13-0719 LF 42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	194.94
<i>For Seal Class B, Add</i>	48.74	
<i>For Seal Class A, Add</i>	103.97	
<i>For Work In Restricted Working Space, Add</i>	97.48	
23 31 13 13-0720 LF 42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.06	199.48
<i>For Seal Class B, Add</i>	49.87	
<i>For Seal Class A, Add</i>	106.39	
<i>For Work In Restricted Working Space, Add</i>	99.74	
23 31 13 13-0721 LF 42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.87	204.01
<i>For Seal Class B, Add</i>	51.00	
<i>For Seal Class A, Add</i>	108.81	
<i>For Work In Restricted Working Space, Add</i>	102.01	
23 31 13 13-0722 LF 42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.65	208.55
<i>For Seal Class B, Add</i>	52.14	
<i>For Seal Class A, Add</i>	111.23	
<i>For Work In Restricted Working Space, Add</i>	104.27	
23 31 13 13-0723 LF 42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.45	213.08
<i>For Seal Class B, Add</i>	53.27	
<i>For Seal Class A, Add</i>	113.64	
<i>For Work In Restricted Working Space, Add</i>	106.54	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.26	217.62
			<i>For Seal Class B, Add</i>	54.40	
			<i>For Seal Class A, Add</i>	116.06	
			<i>For Work In Restricted Working Space, Add</i>	108.81	
23 31 13	13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.04	222.14
			<i>For Seal Class B, Add</i>	55.54	
			<i>For Seal Class A, Add</i>	118.48	
			<i>For Work In Restricted Working Space, Add</i>	111.07	
23 31 13	13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.06	199.48
			<i>For Seal Class B, Add</i>	49.87	
			<i>For Seal Class A, Add</i>	106.39	
			<i>For Work In Restricted Working Space, Add</i>	99.74	
23 31 13	13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.87	204.01
			<i>For Seal Class B, Add</i>	51.00	
			<i>For Seal Class A, Add</i>	108.81	
			<i>For Work In Restricted Working Space, Add</i>	102.01	
23 31 13	13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.65	208.55
			<i>For Seal Class B, Add</i>	52.14	
			<i>For Seal Class A, Add</i>	111.23	
			<i>For Work In Restricted Working Space, Add</i>	104.27	
23 31 13	13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.45	213.08
			<i>For Seal Class B, Add</i>	53.27	
			<i>For Seal Class A, Add</i>	113.64	
			<i>For Work In Restricted Working Space, Add</i>	106.54	
23 31 13	13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.26	217.62
			<i>For Seal Class B, Add</i>	54.40	
			<i>For Seal Class A, Add</i>	116.06	
			<i>For Work In Restricted Working Space, Add</i>	108.81	
23 31 13	13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.04	222.14
			<i>For Seal Class B, Add</i>	55.54	
			<i>For Seal Class A, Add</i>	118.48	
			<i>For Work In Restricted Working Space, Add</i>	111.07	
23 31 13	13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.86	226.68
			<i>For Seal Class B, Add</i>	56.67	
			<i>For Seal Class A, Add</i>	120.90	
			<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13	13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.65	208.55
			<i>For Seal Class B, Add</i>	52.14	
			<i>For Seal Class A, Add</i>	111.23	
			<i>For Work In Restricted Working Space, Add</i>	104.27	
23 31 13	13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.45	213.08
			<i>For Seal Class B, Add</i>	53.27	
			<i>For Seal Class A, Add</i>	113.64	
			<i>For Work In Restricted Working Space, Add</i>	106.54	
23 31 13	13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.26	217.62
			<i>For Seal Class B, Add</i>	54.40	
			<i>For Seal Class A, Add</i>	116.06	
			<i>For Work In Restricted Working Space, Add</i>	108.81	
23 31 13	13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.04	222.14
			<i>For Seal Class B, Add</i>	55.54	
			<i>For Seal Class A, Add</i>	118.48	
			<i>For Work In Restricted Working Space, Add</i>	111.07	
23 31 13	13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.86	226.68
			<i>For Seal Class B, Add</i>	56.67	
			<i>For Seal Class A, Add</i>	120.90	
			<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13	13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	456.22	235.75
			<i>For Seal Class B, Add</i>	58.94	
			<i>For Seal Class A, Add</i>	125.73	
			<i>For Work In Restricted Working Space, Add</i>	117.88	
23 31 13	13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	464.99	240.28
			<i>For Seal Class B, Add</i>	60.07	
			<i>For Seal Class A, Add</i>	128.15	
			<i>For Work In Restricted Working Space, Add</i>	120.14	
23 31 13	13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.26	217.62
			<i>For Seal Class B, Add</i>	54.40	
			<i>For Seal Class A, Add</i>	116.06	
			<i>For Work In Restricted Working Space, Add</i>	108.81	
23 31 13	13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	431.04	222.14
			<i>For Seal Class B, Add</i>	55.54	
			<i>For Seal Class A, Add</i>	118.48	
			<i>For Work In Restricted Working Space, Add</i>	111.07	
23 31 13	13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.86	226.68
			<i>For Seal Class B, Add</i>	56.67	
			<i>For Seal Class A, Add</i>	120.90	
			<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13	13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	448.67	231.21
			<i>For Seal Class B, Add</i>	57.81	
			<i>For Seal Class A, Add</i>	123.32	
			<i>For Work In Restricted Working Space, Add</i>	115.61	
23 31 13	13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.44	235.75
			<i>For Seal Class B, Add</i>	58.94	
			<i>For Seal Class A, Add</i>	125.73	
			<i>For Work In Restricted Working Space, Add</i>	117.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0745 LF 48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	466.24	240.28
<i>For Seal Class B, Add</i>	60.07	
<i>For Seal Class A, Add</i>	128.15	
<i>For Work In Restricted Working Space, Add</i>	120.14	
23 31 13 13-0746 LF 48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	475.03	244.82
<i>For Seal Class B, Add</i>	61.20	
<i>For Seal Class A, Add</i>	130.57	
<i>For Work In Restricted Working Space, Add</i>	122.41	
23 31 13 13-0747 LF 50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.86	226.68
<i>For Seal Class B, Add</i>	56.67	
<i>For Seal Class A, Add</i>	120.90	
<i>For Work In Restricted Working Space, Add</i>	113.34	
23 31 13 13-0748 LF 50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	448.67	231.21
<i>For Seal Class B, Add</i>	57.81	
<i>For Seal Class A, Add</i>	123.32	
<i>For Work In Restricted Working Space, Add</i>	115.61	
23 31 13 13-0749 LF 50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.44	235.75
<i>For Seal Class B, Add</i>	58.94	
<i>For Seal Class A, Add</i>	125.73	
<i>For Work In Restricted Working Space, Add</i>	117.88	
23 31 13 13-0750 LF 50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	466.24	240.28
<i>For Seal Class B, Add</i>	60.07	
<i>For Seal Class A, Add</i>	128.15	
<i>For Work In Restricted Working Space, Add</i>	120.14	
23 31 13 13-0751 LF 50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	475.03	244.82
<i>For Seal Class B, Add</i>	61.20	
<i>For Seal Class A, Add</i>	130.57	
<i>For Work In Restricted Working Space, Add</i>	122.41	
23 31 13 13-0752 LF 50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.83	249.35
<i>For Seal Class B, Add</i>	62.34	
<i>For Seal Class A, Add</i>	132.99	
<i>For Work In Restricted Working Space, Add</i>	124.67	
23 31 13 13-0753 LF 52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.44	235.75
<i>For Seal Class B, Add</i>	58.94	
<i>For Seal Class A, Add</i>	125.73	
<i>For Work In Restricted Working Space, Add</i>	117.88	
23 31 13 13-0754 LF 52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	466.24	240.28
<i>For Seal Class B, Add</i>	60.07	
<i>For Seal Class A, Add</i>	128.15	
<i>For Work In Restricted Working Space, Add</i>	120.14	
23 31 13 13-0755 LF 52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	475.03	244.82
<i>For Seal Class B, Add</i>	61.20	
<i>For Seal Class A, Add</i>	130.57	
<i>For Work In Restricted Working Space, Add</i>	122.41	
23 31 13 13-0756 LF 52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.83	249.35
<i>For Seal Class B, Add</i>	62.34	
<i>For Seal Class A, Add</i>	132.99	
<i>For Work In Restricted Working Space, Add</i>	124.67	
23 31 13 13-0757 LF 52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.64	253.89
<i>For Seal Class B, Add</i>	63.47	
<i>For Seal Class A, Add</i>	135.40	
<i>For Work In Restricted Working Space, Add</i>	126.94	
23 31 13 13-0758 LF 54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	475.03	244.82
<i>For Seal Class B, Add</i>	61.20	
<i>For Seal Class A, Add</i>	130.57	
<i>For Work In Restricted Working Space, Add</i>	122.41	
23 31 13 13-0759 LF 54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	483.83	249.35
<i>For Seal Class B, Add</i>	62.34	
<i>For Seal Class A, Add</i>	132.99	
<i>For Work In Restricted Working Space, Add</i>	124.67	
23 31 13 13-0760 LF 54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.64	253.89
<i>For Seal Class B, Add</i>	63.47	
<i>For Seal Class A, Add</i>	135.40	
<i>For Work In Restricted Working Space, Add</i>	126.94	
23 31 13 13-0761 LF 54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	501.43	258.41
<i>For Seal Class B, Add</i>	64.61	
<i>For Seal Class A, Add</i>	137.82	
<i>For Work In Restricted Working Space, Add</i>	129.21	
23 31 13 13-0762 LF 54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	510.23	262.94
<i>For Seal Class B, Add</i>	65.74	
<i>For Seal Class A, Add</i>	140.24	
<i>For Work In Restricted Working Space, Add</i>	131.48	
23 31 13 13-0763 LF 54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	519.01	267.48
<i>For Seal Class B, Add</i>	66.87	
<i>For Seal Class A, Add</i>	142.66	
<i>For Work In Restricted Working Space, Add</i>	133.74	
23 31 13 13-0764 LF 56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.64	253.89
<i>For Seal Class B, Add</i>	63.47	
<i>For Seal Class A, Add</i>	135.40	
<i>For Work In Restricted Working Space, Add</i>	126.94	
23 31 13 13-0765 LF 56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	501.43	258.41
<i>For Seal Class B, Add</i>	64.61	
<i>For Seal Class A, Add</i>	137.82	
<i>For Work In Restricted Working Space, Add</i>	129.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13	13-0766	LF 56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	510.23	262.94
		<i>For Seal Class B, Add</i>		65.74	
		<i>For Seal Class A, Add</i>		140.24	
		<i>For Work In Restricted Working Space, Add</i>		131.48	
23 31 13	13-0767	LF 56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	519.01	267.48
		<i>For Seal Class B, Add</i>		66.87	
		<i>For Seal Class A, Add</i>		142.66	
		<i>For Work In Restricted Working Space, Add</i>		133.74	
23 31 13	13-0768	LF 56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	527.82	272.01
		<i>For Seal Class B, Add</i>		68.01	
		<i>For Seal Class A, Add</i>		145.08	
		<i>For Work In Restricted Working Space, Add</i>		136.01	
23 31 13	13-0769	LF 58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	510.23	262.94
		<i>For Seal Class B, Add</i>		65.74	
		<i>For Seal Class A, Add</i>		140.24	
		<i>For Work In Restricted Working Space, Add</i>		131.48	
23 31 13	13-0770	LF 58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	519.01	267.48
		<i>For Seal Class B, Add</i>		66.87	
		<i>For Seal Class A, Add</i>		142.66	
		<i>For Work In Restricted Working Space, Add</i>		133.74	
23 31 13	13-0771	LF 58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	527.82	272.01
		<i>For Seal Class B, Add</i>		68.01	
		<i>For Seal Class A, Add</i>		145.08	
		<i>For Work In Restricted Working Space, Add</i>		136.01	
23 31 13	13-0772	LF 58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	536.62	276.55
		<i>For Seal Class B, Add</i>		69.14	
		<i>For Seal Class A, Add</i>		147.49	
		<i>For Work In Restricted Working Space, Add</i>		138.28	
23 31 13	13-0773	LF 58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	545.40	281.08
		<i>For Seal Class B, Add</i>		70.27	
		<i>For Seal Class A, Add</i>		149.91	
		<i>For Work In Restricted Working Space, Add</i>		140.54	
23 31 13	13-0774	LF 60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	527.82	272.01
		<i>For Seal Class B, Add</i>		68.01	
		<i>For Seal Class A, Add</i>		145.08	
		<i>For Work In Restricted Working Space, Add</i>		136.01	
23 31 13	13-0775	LF 60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	536.62	276.55
		<i>For Seal Class B, Add</i>		69.14	
		<i>For Seal Class A, Add</i>		147.49	
		<i>For Work In Restricted Working Space, Add</i>		138.28	
23 31 13	13-0776	LF 60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	545.40	281.08
		<i>For Seal Class B, Add</i>		70.27	
		<i>For Seal Class A, Add</i>		149.91	
		<i>For Work In Restricted Working Space, Add</i>		140.54	
23 31 13	13-0777	LF 60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	554.22	285.62
		<i>For Seal Class B, Add</i>		71.41	
		<i>For Seal Class A, Add</i>		152.33	
		<i>For Work In Restricted Working Space, Add</i>		142.81	
23 31 13	13-0778	LF 60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	563.02	290.14
		<i>For Seal Class B, Add</i>		72.54	
		<i>For Seal Class A, Add</i>		154.75	
		<i>For Work In Restricted Working Space, Add</i>		145.08	
23 31 13	13-0779	LF 62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	545.40	281.08
		<i>For Seal Class B, Add</i>		70.27	
		<i>For Seal Class A, Add</i>		149.91	
		<i>For Work In Restricted Working Space, Add</i>		140.54	
23 31 13	13-0780	LF 62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	554.22	285.62
		<i>For Seal Class B, Add</i>		71.41	
		<i>For Seal Class A, Add</i>		152.33	
		<i>For Work In Restricted Working Space, Add</i>		142.81	
23 31 13	13-0781	LF 62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	563.02	290.14
		<i>For Seal Class B, Add</i>		72.54	
		<i>For Seal Class A, Add</i>		154.75	
		<i>For Work In Restricted Working Space, Add</i>		145.08	
23 31 13	13-0782	LF 62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	571.79	294.68
		<i>For Seal Class B, Add</i>		73.67	
		<i>For Seal Class A, Add</i>		157.16	
		<i>For Work In Restricted Working Space, Add</i>		147.34	
23 31 13	13-0783	LF 62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	580.60	299.21
		<i>For Seal Class B, Add</i>		74.81	
		<i>For Seal Class A, Add</i>		159.58	
		<i>For Work In Restricted Working Space, Add</i>		149.61	
23 31 13	13-0784	LF 64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	563.02	290.14
		<i>For Seal Class B, Add</i>		72.54	
		<i>For Seal Class A, Add</i>		154.75	
		<i>For Work In Restricted Working Space, Add</i>		145.08	
23 31 13	13-0785	LF 64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	571.79	294.68
		<i>For Seal Class B, Add</i>		73.67	
		<i>For Seal Class A, Add</i>		157.16	
		<i>For Work In Restricted Working Space, Add</i>		147.34	
23 31 13	13-0786	LF 64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	580.60	299.21
		<i>For Seal Class B, Add</i>		74.81	
		<i>For Seal Class A, Add</i>		159.58	
		<i>For Work In Restricted Working Space, Add</i>		149.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0787 LF 64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	589.38	303.75
For Seal Class B, Add	75.94	
For Seal Class A, Add	162.00	
For Work In Restricted Working Space, Add	151.88	
23 31 13 13-0788 LF 66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	580.60	299.21
For Seal Class B, Add	74.81	
For Seal Class A, Add	159.58	
For Work In Restricted Working Space, Add	149.61	
23 31 13 13-0789 LF 66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	589.38	303.75
For Seal Class B, Add	75.94	
For Seal Class A, Add	162.00	
For Work In Restricted Working Space, Add	151.88	
23 31 13 13-0790 LF 66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.19	308.28
For Seal Class B, Add	77.07	
For Seal Class A, Add	164.42	
For Work In Restricted Working Space, Add	154.14	
23 31 13 13-0791 LF 66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	607.00	312.83
For Seal Class B, Add	78.21	
For Seal Class A, Add	166.84	
For Work In Restricted Working Space, Add	156.41	
23 31 13 13-0792 LF 68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.19	308.28
For Seal Class B, Add	77.07	
For Seal Class A, Add	164.42	
For Work In Restricted Working Space, Add	154.14	
23 31 13 13-0793 LF 68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	607.00	312.83
For Seal Class B, Add	78.21	
For Seal Class A, Add	166.84	
For Work In Restricted Working Space, Add	156.41	
23 31 13 13-0794 LF 68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	615.79	317.35
For Seal Class B, Add	79.34	
For Seal Class A, Add	169.26	
For Work In Restricted Working Space, Add	158.68	
23 31 13 13-0795 LF 68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	624.60	321.90
For Seal Class B, Add	80.47	
For Seal Class A, Add	171.68	
For Work In Restricted Working Space, Add	160.95	
23 31 13 13-0796 LF 70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	615.79	317.35
For Seal Class B, Add	79.34	
For Seal Class A, Add	169.26	
For Work In Restricted Working Space, Add	158.68	
23 31 13 13-0797 LF 70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	624.60	321.90
For Seal Class B, Add	80.47	
For Seal Class A, Add	171.68	
For Work In Restricted Working Space, Add	160.95	
23 31 13 13-0798 LF 70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.40	326.42
For Seal Class B, Add	81.61	
For Seal Class A, Add	174.09	
For Work In Restricted Working Space, Add	163.21	
23 31 13 13-0799 LF 70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	642.17	330.96
For Seal Class B, Add	82.74	
For Seal Class A, Add	176.51	
For Work In Restricted Working Space, Add	165.48	
23 31 13 13-0800 LF 70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	650.98	335.49
For Seal Class B, Add	83.87	
For Seal Class A, Add	178.93	
For Work In Restricted Working Space, Add	167.75	
23 31 13 13-0801 LF 70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	659.76	340.03
For Seal Class B, Add	85.01	
For Seal Class A, Add	181.34	
For Work In Restricted Working Space, Add	170.01	
23 31 13 13-0802 LF 70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.57	344.56
For Seal Class B, Add	86.14	
For Seal Class A, Add	183.76	
For Work In Restricted Working Space, Add	172.28	
23 31 13 13-0803 LF 70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.39	349.10
For Seal Class B, Add	87.27	
For Seal Class A, Add	186.19	
For Work In Restricted Working Space, Add	174.55	
23 31 13 13-0804 LF 72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.40	326.42
For Seal Class B, Add	81.61	
For Seal Class A, Add	174.09	
For Work In Restricted Working Space, Add	163.21	
23 31 13 13-0805 LF 72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	642.17	330.96
For Seal Class B, Add	82.74	
For Seal Class A, Add	176.51	
For Work In Restricted Working Space, Add	165.48	
23 31 13 13-0806 LF 72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	650.98	335.49
For Seal Class B, Add	83.87	
For Seal Class A, Add	178.93	
For Work In Restricted Working Space, Add	167.75	
23 31 13 13-0807 LF 72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	659.76	340.03
For Seal Class B, Add	85.01	
For Seal Class A, Add	181.34	
For Work In Restricted Working Space, Add	170.01	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.57	344.56
			<i>For Seal Class B, Add</i>	86.14	
			<i>For Seal Class A, Add</i>	183.76	
			<i>For Work In Restricted Working Space, Add</i>	172.28	
23 31 13	13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.39	349.10
			<i>For Seal Class B, Add</i>	87.27	
			<i>For Seal Class A, Add</i>	186.19	
			<i>For Work In Restricted Working Space, Add</i>	174.55	
23 31 13	13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.16	353.63
			<i>For Seal Class B, Add</i>	88.41	
			<i>For Seal Class A, Add</i>	188.60	
			<i>For Work In Restricted Working Space, Add</i>	176.81	
23 31 13	13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	650.98	335.49
			<i>For Seal Class B, Add</i>	83.87	
			<i>For Seal Class A, Add</i>	178.93	
			<i>For Work In Restricted Working Space, Add</i>	167.75	
23 31 13	13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	659.76	340.03
			<i>For Seal Class B, Add</i>	85.01	
			<i>For Seal Class A, Add</i>	181.34	
			<i>For Work In Restricted Working Space, Add</i>	170.01	
23 31 13	13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.57	344.56
			<i>For Seal Class B, Add</i>	86.14	
			<i>For Seal Class A, Add</i>	183.76	
			<i>For Work In Restricted Working Space, Add</i>	172.28	
23 31 13	13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.39	349.10
			<i>For Seal Class B, Add</i>	87.27	
			<i>For Seal Class A, Add</i>	186.19	
			<i>For Work In Restricted Working Space, Add</i>	174.55	
23 31 13	13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.16	353.63
			<i>For Seal Class B, Add</i>	88.41	
			<i>For Seal Class A, Add</i>	188.60	
			<i>For Work In Restricted Working Space, Add</i>	176.81	
23 31 13	13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.97	358.16
			<i>For Seal Class B, Add</i>	89.54	
			<i>For Seal Class A, Add</i>	191.02	
			<i>For Work In Restricted Working Space, Add</i>	179.08	
23 31 13	13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.57	344.56
			<i>For Seal Class B, Add</i>	86.14	
			<i>For Seal Class A, Add</i>	183.76	
			<i>For Work In Restricted Working Space, Add</i>	172.28	
23 31 13	13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	677.39	349.10
			<i>For Seal Class B, Add</i>	87.27	
			<i>For Seal Class A, Add</i>	186.19	
			<i>For Work In Restricted Working Space, Add</i>	174.55	
23 31 13	13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.16	353.63
			<i>For Seal Class B, Add</i>	88.41	
			<i>For Seal Class A, Add</i>	188.60	
			<i>For Work In Restricted Working Space, Add</i>	176.81	
23 31 13	13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.97	358.16
			<i>For Seal Class B, Add</i>	89.54	
			<i>For Seal Class A, Add</i>	191.02	
			<i>For Work In Restricted Working Space, Add</i>	179.08	
23 31 13	13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.75	362.69
			<i>For Seal Class B, Add</i>	90.67	
			<i>For Seal Class A, Add</i>	193.44	
			<i>For Work In Restricted Working Space, Add</i>	181.35	
23 31 13	13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	686.16	353.63
			<i>For Seal Class B, Add</i>	88.41	
			<i>For Seal Class A, Add</i>	188.60	
			<i>For Work In Restricted Working Space, Add</i>	176.81	
23 31 13	13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	694.97	358.16
			<i>For Seal Class B, Add</i>	89.54	
			<i>For Seal Class A, Add</i>	191.02	
			<i>For Work In Restricted Working Space, Add</i>	179.08	
23 31 13	13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.75	362.69
			<i>For Seal Class B, Add</i>	90.67	
			<i>For Seal Class A, Add</i>	193.44	
			<i>For Work In Restricted Working Space, Add</i>	181.35	
23 31 13	13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.55	367.23
			<i>For Seal Class B, Add</i>	91.81	
			<i>For Seal Class A, Add</i>	195.85	
			<i>For Work In Restricted Working Space, Add</i>	183.61	
23 31 13	13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.75	362.69
			<i>For Seal Class B, Add</i>	90.67	
			<i>For Seal Class A, Add</i>	193.44	
			<i>For Work In Restricted Working Space, Add</i>	181.35	
23 31 13	13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	712.55	367.23
			<i>For Seal Class B, Add</i>	91.81	
			<i>For Seal Class A, Add</i>	195.85	
			<i>For Work In Restricted Working Space, Add</i>	183.61	
23 31 13	13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	721.35	371.76
			<i>For Seal Class B, Add</i>	92.94	
			<i>For Seal Class A, Add</i>	198.27	
			<i>For Work In Restricted Working Space, Add</i>	185.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0829 LF 82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	721.35	371.76
For Seal Class B, Add	92.94	
For Seal Class A, Add	198.27	
For Work In Restricted Working Space, Add	185.88	
23 31 13 13-0830 LF 82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	730.15	376.30
For Seal Class B, Add	94.07	
For Seal Class A, Add	200.69	
For Work In Restricted Working Space, Add	188.15	
23 31 13 13-0831 LF 84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.95	380.83
For Seal Class B, Add	95.21	
For Seal Class A, Add	203.11	
For Work In Restricted Working Space, Add	190.41	
23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork <small>(23 31 13 13-0014)</small>		
23 31 13 13-0833 LF 4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.82	23.61
For Seal Class B, Add	5.90	
For Seal Class A, Add	12.59	
For Work In Restricted Working Space, Add	11.81	
23 31 13 13-0834 LF 4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.27	29.51
For Seal Class B, Add	7.38	
For Seal Class A, Add	15.74	
For Work In Restricted Working Space, Add	14.76	
23 31 13 13-0835 LF 4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.71	35.42
For Seal Class B, Add	8.85	
For Seal Class A, Add	18.89	
For Work In Restricted Working Space, Add	17.71	
23 31 13 13-0836 LF 4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.16	41.33
For Seal Class B, Add	10.33	
For Seal Class A, Add	22.04	
For Work In Restricted Working Space, Add	20.66	
23 31 13 13-0837 LF 4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.63	47.22
For Seal Class B, Add	11.81	
For Seal Class A, Add	25.18	
For Work In Restricted Working Space, Add	23.61	
23 31 13 13-0838 LF 4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.08	53.13
For Seal Class B, Add	13.28	
For Seal Class A, Add	28.33	
For Work In Restricted Working Space, Add	26.56	
23 31 13 13-0839 LF 4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.53	59.02
For Seal Class B, Add	14.76	
For Seal Class A, Add	31.48	
For Work In Restricted Working Space, Add	29.51	
23 31 13 13-0840 LF 6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.71	35.42
For Seal Class B, Add	8.85	
For Seal Class A, Add	18.89	
For Work In Restricted Working Space, Add	17.71	
23 31 13 13-0841 LF 6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.16	41.33
For Seal Class B, Add	10.33	
For Seal Class A, Add	22.04	
For Work In Restricted Working Space, Add	20.66	
23 31 13 13-0842 LF 6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.63	47.22
For Seal Class B, Add	11.81	
For Seal Class A, Add	25.18	
For Work In Restricted Working Space, Add	23.61	
23 31 13 13-0843 LF 6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.08	53.13
For Seal Class B, Add	13.28	
For Seal Class A, Add	28.33	
For Work In Restricted Working Space, Add	26.56	
23 31 13 13-0844 LF 6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.53	59.02
For Seal Class B, Add	14.76	
For Seal Class A, Add	31.48	
For Work In Restricted Working Space, Add	29.51	
23 31 13 13-0845 LF 6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.99	64.93
For Seal Class B, Add	16.23	
For Seal Class A, Add	34.63	
For Work In Restricted Working Space, Add	32.47	
23 31 13 13-0846 LF 8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.63	47.22
For Seal Class B, Add	11.81	
For Seal Class A, Add	25.18	
For Work In Restricted Working Space, Add	23.61	
23 31 13 13-0847 LF 8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.08	53.13
For Seal Class B, Add	13.28	
For Seal Class A, Add	28.33	
For Work In Restricted Working Space, Add	26.56	
23 31 13 13-0848 LF 8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.53	59.02
For Seal Class B, Add	14.76	
For Seal Class A, Add	31.48	
For Work In Restricted Working Space, Add	29.51	
23 31 13 13-0849 LF 8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.99	64.93
For Seal Class B, Add	16.23	
For Seal Class A, Add	34.63	
For Work In Restricted Working Space, Add	32.47	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.43 17.71 37.78 35.42	70.83
23 31 13	13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.90 19.18 40.92 38.37	76.73
23 31 13	13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.34 20.66 44.07 41.32	82.63
23 31 13	13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.79 22.13 47.22 44.27	88.54
23 31 13	13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.24 23.61 50.37 47.22	94.43
23 31 13	13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.53 14.76 31.48 29.51	59.02
23 31 13	13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.99 16.23 34.63 32.47	64.93
23 31 13	13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.43 17.71 37.78 35.42	70.83
23 31 13	13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.90 19.18 40.92 38.37	76.73
23 31 13	13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.34 20.66 44.07 41.32	82.63
23 31 13	13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.79 22.13 47.22 44.27	88.54
23 31 13	13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.24 23.61 50.37 47.22	94.43
23 31 13	13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.70 25.09 53.52 50.18	100.35
23 31 13	13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.17 26.56 56.67 53.12	106.25
23 31 13	13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.61 28.04 59.81 56.07	112.15
23 31 13	13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.06 29.51 62.96 59.03	118.05
23 31 13	13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.50 30.99 66.11 61.97	123.95
23 31 13	13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.43 17.71 37.78 35.42	70.83
23 31 13	13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.90 19.18 40.92 38.37	76.73
23 31 13	13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.34 20.66 44.07 41.32	82.63
23 31 13	13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork <i>For Seal Class B, Add</i> <i>For Seal Class A, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.79 22.13 47.22 44.27	88.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0871 LF 12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.24	94.43
<i>For Seal Class B, Add</i>	23.61	
<i>For Seal Class A, Add</i>	50.37	
<i>For Work In Restricted Working Space, Add</i>	47.22	
23 31 13 13-0872 LF 12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.70	100.35
<i>For Seal Class B, Add</i>	25.09	
<i>For Seal Class A, Add</i>	53.52	
<i>For Work In Restricted Working Space, Add</i>	50.18	
23 31 13 13-0873 LF 12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.17	106.25
<i>For Seal Class B, Add</i>	26.56	
<i>For Seal Class A, Add</i>	56.67	
<i>For Work In Restricted Working Space, Add</i>	53.12	
23 31 13 13-0874 LF 12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.61	112.15
<i>For Seal Class B, Add</i>	28.04	
<i>For Seal Class A, Add</i>	59.81	
<i>For Work In Restricted Working Space, Add</i>	56.07	
23 31 13 13-0875 LF 12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.06	118.05
<i>For Seal Class B, Add</i>	29.51	
<i>For Seal Class A, Add</i>	62.96	
<i>For Work In Restricted Working Space, Add</i>	59.03	
23 31 13 13-0876 LF 12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.50	123.95
<i>For Seal Class B, Add</i>	30.99	
<i>For Seal Class A, Add</i>	66.11	
<i>For Work In Restricted Working Space, Add</i>	61.97	
23 31 13 13-0877 LF 12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	251.95	129.85
<i>For Seal Class B, Add</i>	32.46	
<i>For Seal Class A, Add</i>	69.25	
<i>For Work In Restricted Working Space, Add</i>	64.93	
23 31 13 13-0878 LF 12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.43	135.76
<i>For Seal Class B, Add</i>	33.94	
<i>For Seal Class A, Add</i>	72.40	
<i>For Work In Restricted Working Space, Add</i>	67.88	
23 31 13 13-0879 LF 12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.89	141.65
<i>For Seal Class B, Add</i>	35.42	
<i>For Seal Class A, Add</i>	75.56	
<i>For Work In Restricted Working Space, Add</i>	70.83	
23 31 13 13-0880 LF 14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.34	82.63
<i>For Seal Class B, Add</i>	20.66	
<i>For Seal Class A, Add</i>	44.07	
<i>For Work In Restricted Working Space, Add</i>	41.32	
23 31 13 13-0881 LF 14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	88.54
<i>For Seal Class B, Add</i>	22.13	
<i>For Seal Class A, Add</i>	47.22	
<i>For Work In Restricted Working Space, Add</i>	44.27	
23 31 13 13-0882 LF 14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.24	94.43
<i>For Seal Class B, Add</i>	23.61	
<i>For Seal Class A, Add</i>	50.37	
<i>For Work In Restricted Working Space, Add</i>	47.22	
23 31 13 13-0883 LF 14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.70	100.35
<i>For Seal Class B, Add</i>	25.09	
<i>For Seal Class A, Add</i>	53.52	
<i>For Work In Restricted Working Space, Add</i>	50.18	
23 31 13 13-0884 LF 14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.17	106.25
<i>For Seal Class B, Add</i>	26.56	
<i>For Seal Class A, Add</i>	56.67	
<i>For Work In Restricted Working Space, Add</i>	53.12	
23 31 13 13-0885 LF 14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.61	112.15
<i>For Seal Class B, Add</i>	28.04	
<i>For Seal Class A, Add</i>	59.81	
<i>For Work In Restricted Working Space, Add</i>	56.07	
23 31 13 13-0886 LF 14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.06	118.05
<i>For Seal Class B, Add</i>	29.51	
<i>For Seal Class A, Add</i>	62.96	
<i>For Work In Restricted Working Space, Add</i>	59.03	
23 31 13 13-0887 LF 14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.50	123.95
<i>For Seal Class B, Add</i>	30.99	
<i>For Seal Class A, Add</i>	66.11	
<i>For Work In Restricted Working Space, Add</i>	61.97	
23 31 13 13-0888 LF 14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	251.95	129.85
<i>For Seal Class B, Add</i>	32.46	
<i>For Seal Class A, Add</i>	69.25	
<i>For Work In Restricted Working Space, Add</i>	64.93	
23 31 13 13-0889 LF 14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.43	135.76
<i>For Seal Class B, Add</i>	33.94	
<i>For Seal Class A, Add</i>	72.40	
<i>For Work In Restricted Working Space, Add</i>	67.88	
23 31 13 13-0890 LF 14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.89	141.65
<i>For Seal Class B, Add</i>	35.42	
<i>For Seal Class A, Add</i>	75.56	
<i>For Work In Restricted Working Space, Add</i>	70.83	
23 31 13 13-0891 LF 14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.33	147.56
<i>For Seal Class B, Add</i>	36.89	
<i>For Seal Class A, Add</i>	78.70	
<i>For Work In Restricted Working Space, Add</i>	73.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.24	94.43
			<i>For Seal Class B, Add</i>	23.61	
			<i>For Seal Class A, Add</i>	50.37	
			<i>For Work In Restricted Working Space, Add</i>	47.22	
23 31 13	13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.70	100.35
			<i>For Seal Class B, Add</i>	25.09	
			<i>For Seal Class A, Add</i>	53.52	
			<i>For Work In Restricted Working Space, Add</i>	50.18	
23 31 13	13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.17	106.25
			<i>For Seal Class B, Add</i>	26.56	
			<i>For Seal Class A, Add</i>	56.67	
			<i>For Work In Restricted Working Space, Add</i>	53.12	
23 31 13	13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.61	112.15
			<i>For Seal Class B, Add</i>	28.04	
			<i>For Seal Class A, Add</i>	59.81	
			<i>For Work In Restricted Working Space, Add</i>	56.07	
23 31 13	13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.06	118.05
			<i>For Seal Class B, Add</i>	29.51	
			<i>For Seal Class A, Add</i>	62.96	
			<i>For Work In Restricted Working Space, Add</i>	59.03	
23 31 13	13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.50	123.95
			<i>For Seal Class B, Add</i>	30.99	
			<i>For Seal Class A, Add</i>	66.11	
			<i>For Work In Restricted Working Space, Add</i>	61.97	
23 31 13	13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	251.95	129.85
			<i>For Seal Class B, Add</i>	32.46	
			<i>For Seal Class A, Add</i>	69.25	
			<i>For Work In Restricted Working Space, Add</i>	64.93	
23 31 13	13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.43	135.76
			<i>For Seal Class B, Add</i>	33.94	
			<i>For Seal Class A, Add</i>	72.40	
			<i>For Work In Restricted Working Space, Add</i>	67.88	
23 31 13	13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.89	141.65
			<i>For Seal Class B, Add</i>	35.42	
			<i>For Seal Class A, Add</i>	75.56	
			<i>For Work In Restricted Working Space, Add</i>	70.83	
23 31 13	13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.33	147.56
			<i>For Seal Class B, Add</i>	36.89	
			<i>For Seal Class A, Add</i>	78.70	
			<i>For Work In Restricted Working Space, Add</i>	73.78	
23 31 13	13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.77	153.46
			<i>For Seal Class B, Add</i>	38.37	
			<i>For Seal Class A, Add</i>	81.85	
			<i>For Work In Restricted Working Space, Add</i>	76.73	
23 31 13	13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.22	159.36
			<i>For Seal Class B, Add</i>	39.84	
			<i>For Seal Class A, Add</i>	85.00	
			<i>For Work In Restricted Working Space, Add</i>	79.68	
23 31 13	13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.69	165.28
			<i>For Seal Class B, Add</i>	41.32	
			<i>For Seal Class A, Add</i>	88.14	
			<i>For Work In Restricted Working Space, Add</i>	82.64	
23 31 13	13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	332.13	171.18
			<i>For Seal Class B, Add</i>	42.79	
			<i>For Seal Class A, Add</i>	91.29	
			<i>For Work In Restricted Working Space, Add</i>	85.58	
23 31 13	13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
			<i>For Seal Class B, Add</i>	44.27	
			<i>For Seal Class A, Add</i>	94.44	
			<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13	13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.17	106.25
			<i>For Seal Class B, Add</i>	26.56	
			<i>For Seal Class A, Add</i>	56.67	
			<i>For Work In Restricted Working Space, Add</i>	53.12	
23 31 13	13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	217.61	112.15
			<i>For Seal Class B, Add</i>	28.04	
			<i>For Seal Class A, Add</i>	59.81	
			<i>For Work In Restricted Working Space, Add</i>	56.07	
23 31 13	13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.06	118.05
			<i>For Seal Class B, Add</i>	29.51	
			<i>For Seal Class A, Add</i>	62.96	
			<i>For Work In Restricted Working Space, Add</i>	59.03	
23 31 13	13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.50	123.95
			<i>For Seal Class B, Add</i>	30.99	
			<i>For Seal Class A, Add</i>	66.11	
			<i>For Work In Restricted Working Space, Add</i>	61.97	
23 31 13	13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	251.95	129.85
			<i>For Seal Class B, Add</i>	32.46	
			<i>For Seal Class A, Add</i>	69.25	
			<i>For Work In Restricted Working Space, Add</i>	64.93	
23 31 13	13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.43	135.76
			<i>For Seal Class B, Add</i>	33.94	
			<i>For Seal Class A, Add</i>	72.40	
			<i>For Work In Restricted Working Space, Add</i>	67.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0913 LF 18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.89	141.65
<i>For Seal Class B, Add</i>	35.42	
<i>For Seal Class A, Add</i>	75.56	
<i>For Work In Restricted Working Space, Add</i>	70.83	
23 31 13 13-0914 LF 18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.33	147.56
<i>For Seal Class B, Add</i>	36.89	
<i>For Seal Class A, Add</i>	78.70	
<i>For Work In Restricted Working Space, Add</i>	73.78	
23 31 13 13-0915 LF 18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.77	153.46
<i>For Seal Class B, Add</i>	38.37	
<i>For Seal Class A, Add</i>	81.85	
<i>For Work In Restricted Working Space, Add</i>	76.73	
23 31 13 13-0916 LF 18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.22	159.36
<i>For Seal Class B, Add</i>	39.84	
<i>For Seal Class A, Add</i>	85.00	
<i>For Work In Restricted Working Space, Add</i>	79.68	
23 31 13 13-0917 LF 18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.69	165.28
<i>For Seal Class B, Add</i>	41.32	
<i>For Seal Class A, Add</i>	88.14	
<i>For Work In Restricted Working Space, Add</i>	82.64	
23 31 13 13-0918 LF 18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	332.13	171.18
<i>For Seal Class B, Add</i>	42.79	
<i>For Seal Class A, Add</i>	91.29	
<i>For Work In Restricted Working Space, Add</i>	85.58	
23 31 13 13-0919 LF 18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
<i>For Seal Class B, Add</i>	44.27	
<i>For Seal Class A, Add</i>	94.44	
<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13 13-0920 LF 18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.05	182.98
<i>For Seal Class B, Add</i>	45.75	
<i>For Seal Class A, Add</i>	97.59	
<i>For Work In Restricted Working Space, Add</i>	91.49	
23 31 13 13-0921 LF 18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
<i>For Seal Class B, Add</i>	47.22	
<i>For Seal Class A, Add</i>	100.74	
<i>For Work In Restricted Working Space, Add</i>	94.44	
23 31 13 13-0922 LF 20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.06	118.05
<i>For Seal Class B, Add</i>	29.51	
<i>For Seal Class A, Add</i>	62.96	
<i>For Work In Restricted Working Space, Add</i>	59.03	
23 31 13 13-0923 LF 20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	240.50	123.95
<i>For Seal Class B, Add</i>	30.99	
<i>For Seal Class A, Add</i>	66.11	
<i>For Work In Restricted Working Space, Add</i>	61.97	
23 31 13 13-0924 LF 20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	251.95	129.85
<i>For Seal Class B, Add</i>	32.46	
<i>For Seal Class A, Add</i>	69.25	
<i>For Work In Restricted Working Space, Add</i>	64.93	
23 31 13 13-0925 LF 20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.43	135.76
<i>For Seal Class B, Add</i>	33.94	
<i>For Seal Class A, Add</i>	72.40	
<i>For Work In Restricted Working Space, Add</i>	67.88	
23 31 13 13-0926 LF 20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.89	141.65
<i>For Seal Class B, Add</i>	35.42	
<i>For Seal Class A, Add</i>	75.56	
<i>For Work In Restricted Working Space, Add</i>	70.83	
23 31 13 13-0927 LF 20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.33	147.56
<i>For Seal Class B, Add</i>	36.89	
<i>For Seal Class A, Add</i>	78.70	
<i>For Work In Restricted Working Space, Add</i>	73.78	
23 31 13 13-0928 LF 20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.77	153.46
<i>For Seal Class B, Add</i>	38.37	
<i>For Seal Class A, Add</i>	81.85	
<i>For Work In Restricted Working Space, Add</i>	76.73	
23 31 13 13-0929 LF 20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.22	159.36
<i>For Seal Class B, Add</i>	39.84	
<i>For Seal Class A, Add</i>	85.00	
<i>For Work In Restricted Working Space, Add</i>	79.68	
23 31 13 13-0930 LF 20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.69	165.28
<i>For Seal Class B, Add</i>	41.32	
<i>For Seal Class A, Add</i>	88.14	
<i>For Work In Restricted Working Space, Add</i>	82.64	
23 31 13 13-0931 LF 20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	332.13	171.18
<i>For Seal Class B, Add</i>	42.79	
<i>For Seal Class A, Add</i>	91.29	
<i>For Work In Restricted Working Space, Add</i>	85.58	
23 31 13 13-0932 LF 20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
<i>For Seal Class B, Add</i>	44.27	
<i>For Seal Class A, Add</i>	94.44	
<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13 13-0933 LF 20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.05	182.98
<i>For Seal Class B, Add</i>	45.75	
<i>For Seal Class A, Add</i>	97.59	
<i>For Work In Restricted Working Space, Add</i>	91.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
			<i>For Seal Class B, Add</i>	47.22	
			<i>For Seal Class A, Add</i>	100.74	
			<i>For Work In Restricted Working Space, Add</i>	94.44	
23 31 13	13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	377.96	194.78
			<i>For Seal Class B, Add</i>	48.70	
			<i>For Seal Class A, Add</i>	103.88	
			<i>For Work In Restricted Working Space, Add</i>	97.39	
23 31 13	13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
			<i>For Seal Class B, Add</i>	50.17	
			<i>For Seal Class A, Add</i>	107.03	
			<i>For Work In Restricted Working Space, Add</i>	100.34	
23 31 13	13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	251.95	129.85
			<i>For Seal Class B, Add</i>	32.46	
			<i>For Seal Class A, Add</i>	69.25	
			<i>For Work In Restricted Working Space, Add</i>	64.93	
23 31 13	13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.43	135.76
			<i>For Seal Class B, Add</i>	33.94	
			<i>For Seal Class A, Add</i>	72.40	
			<i>For Work In Restricted Working Space, Add</i>	67.88	
23 31 13	13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.89	141.65
			<i>For Seal Class B, Add</i>	35.42	
			<i>For Seal Class A, Add</i>	75.56	
			<i>For Work In Restricted Working Space, Add</i>	70.83	
23 31 13	13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.33	147.56
			<i>For Seal Class B, Add</i>	36.89	
			<i>For Seal Class A, Add</i>	78.70	
			<i>For Work In Restricted Working Space, Add</i>	73.78	
23 31 13	13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.77	153.46
			<i>For Seal Class B, Add</i>	38.37	
			<i>For Seal Class A, Add</i>	81.85	
			<i>For Work In Restricted Working Space, Add</i>	76.73	
23 31 13	13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.22	159.36
			<i>For Seal Class B, Add</i>	39.84	
			<i>For Seal Class A, Add</i>	85.00	
			<i>For Work In Restricted Working Space, Add</i>	79.68	
23 31 13	13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.69	165.28
			<i>For Seal Class B, Add</i>	41.32	
			<i>For Seal Class A, Add</i>	88.14	
			<i>For Work In Restricted Working Space, Add</i>	82.64	
23 31 13	13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	332.13	171.18
			<i>For Seal Class B, Add</i>	42.79	
			<i>For Seal Class A, Add</i>	91.29	
			<i>For Work In Restricted Working Space, Add</i>	85.58	
23 31 13	13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
			<i>For Seal Class B, Add</i>	44.27	
			<i>For Seal Class A, Add</i>	94.44	
			<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13	13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.05	182.98
			<i>For Seal Class B, Add</i>	45.75	
			<i>For Seal Class A, Add</i>	97.59	
			<i>For Work In Restricted Working Space, Add</i>	91.49	
23 31 13	13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
			<i>For Seal Class B, Add</i>	47.22	
			<i>For Seal Class A, Add</i>	100.74	
			<i>For Work In Restricted Working Space, Add</i>	94.44	
23 31 13	13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	377.96	194.78
			<i>For Seal Class B, Add</i>	48.70	
			<i>For Seal Class A, Add</i>	103.88	
			<i>For Work In Restricted Working Space, Add</i>	97.39	
23 31 13	13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
			<i>For Seal Class B, Add</i>	50.17	
			<i>For Seal Class A, Add</i>	107.03	
			<i>For Work In Restricted Working Space, Add</i>	100.34	
23 31 13	13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	400.85	206.58
			<i>For Seal Class B, Add</i>	51.65	
			<i>For Seal Class A, Add</i>	110.18	
			<i>For Work In Restricted Working Space, Add</i>	103.29	
23 31 13	13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.89	141.65
			<i>For Seal Class B, Add</i>	35.42	
			<i>For Seal Class A, Add</i>	75.56	
			<i>For Work In Restricted Working Space, Add</i>	70.83	
23 31 13	13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.33	147.56
			<i>For Seal Class B, Add</i>	36.89	
			<i>For Seal Class A, Add</i>	78.70	
			<i>For Work In Restricted Working Space, Add</i>	73.78	
23 31 13	13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.77	153.46
			<i>For Seal Class B, Add</i>	38.37	
			<i>For Seal Class A, Add</i>	81.85	
			<i>For Work In Restricted Working Space, Add</i>	76.73	
23 31 13	13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.22	159.36
			<i>For Seal Class B, Add</i>	39.84	
			<i>For Seal Class A, Add</i>	85.00	
			<i>For Work In Restricted Working Space, Add</i>	79.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0955 LF 24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.69	165.28
<i>For Seal Class B, Add</i>	41.32	
<i>For Seal Class A, Add</i>	88.14	
<i>For Work In Restricted Working Space, Add</i>	82.64	
23 31 13 13-0956 LF 24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	332.13	171.18
<i>For Seal Class B, Add</i>	42.79	
<i>For Seal Class A, Add</i>	91.29	
<i>For Work In Restricted Working Space, Add</i>	85.58	
23 31 13 13-0957 LF 24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
<i>For Seal Class B, Add</i>	44.27	
<i>For Seal Class A, Add</i>	94.44	
<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13 13-0958 LF 24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.05	182.98
<i>For Seal Class B, Add</i>	45.75	
<i>For Seal Class A, Add</i>	97.59	
<i>For Work In Restricted Working Space, Add</i>	91.49	
23 31 13 13-0959 LF 24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
<i>For Seal Class B, Add</i>	47.22	
<i>For Seal Class A, Add</i>	100.74	
<i>For Work In Restricted Working Space, Add</i>	94.44	
23 31 13 13-0960 LF 24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	377.96	194.78
<i>For Seal Class B, Add</i>	48.70	
<i>For Seal Class A, Add</i>	103.88	
<i>For Work In Restricted Working Space, Add</i>	97.39	
23 31 13 13-0961 LF 24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
<i>For Seal Class B, Add</i>	50.17	
<i>For Seal Class A, Add</i>	107.03	
<i>For Work In Restricted Working Space, Add</i>	100.34	
23 31 13 13-0962 LF 24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	400.85	206.58
<i>For Seal Class B, Add</i>	51.65	
<i>For Seal Class A, Add</i>	110.18	
<i>For Work In Restricted Working Space, Add</i>	103.29	
23 31 13 13-0963 LF 24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.29	212.49
<i>For Seal Class B, Add</i>	53.12	
<i>For Seal Class A, Add</i>	113.32	
<i>For Work In Restricted Working Space, Add</i>	106.24	
23 31 13 13-0964 LF 26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.77	153.46
<i>For Seal Class B, Add</i>	38.37	
<i>For Seal Class A, Add</i>	81.85	
<i>For Work In Restricted Working Space, Add</i>	76.73	
23 31 13 13-0965 LF 26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	309.22	159.36
<i>For Seal Class B, Add</i>	39.84	
<i>For Seal Class A, Add</i>	85.00	
<i>For Work In Restricted Working Space, Add</i>	79.68	
23 31 13 13-0966 LF 26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.69	165.28
<i>For Seal Class B, Add</i>	41.32	
<i>For Seal Class A, Add</i>	88.14	
<i>For Work In Restricted Working Space, Add</i>	82.64	
23 31 13 13-0967 LF 26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	332.13	171.18
<i>For Seal Class B, Add</i>	42.79	
<i>For Seal Class A, Add</i>	91.29	
<i>For Work In Restricted Working Space, Add</i>	85.58	
23 31 13 13-0968 LF 26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
<i>For Seal Class B, Add</i>	44.27	
<i>For Seal Class A, Add</i>	94.44	
<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13 13-0969 LF 26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.05	182.98
<i>For Seal Class B, Add</i>	45.75	
<i>For Seal Class A, Add</i>	97.59	
<i>For Work In Restricted Working Space, Add</i>	91.49	
23 31 13 13-0970 LF 26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
<i>For Seal Class B, Add</i>	47.22	
<i>For Seal Class A, Add</i>	100.74	
<i>For Work In Restricted Working Space, Add</i>	94.44	
23 31 13 13-0971 LF 26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	377.96	194.78
<i>For Seal Class B, Add</i>	48.70	
<i>For Seal Class A, Add</i>	103.88	
<i>For Work In Restricted Working Space, Add</i>	97.39	
23 31 13 13-0972 LF 26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
<i>For Seal Class B, Add</i>	50.17	
<i>For Seal Class A, Add</i>	107.03	
<i>For Work In Restricted Working Space, Add</i>	100.34	
23 31 13 13-0973 LF 26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	400.85	206.58
<i>For Seal Class B, Add</i>	51.65	
<i>For Seal Class A, Add</i>	110.18	
<i>For Work In Restricted Working Space, Add</i>	103.29	
23 31 13 13-0974 LF 26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.29	212.49
<i>For Seal Class B, Add</i>	53.12	
<i>For Seal Class A, Add</i>	113.32	
<i>For Work In Restricted Working Space, Add</i>	106.24	
23 31 13 13-0975 LF 26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.78	218.39
<i>For Seal Class B, Add</i>	54.60	
<i>For Seal Class A, Add</i>	116.48	
<i>For Work In Restricted Working Space, Add</i>	109.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.69	165.28
			<i>For Seal Class B, Add</i>	41.32	
			<i>For Seal Class A, Add</i>	88.14	
			<i>For Work In Restricted Working Space, Add</i>	82.64	
23 31 13	13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	332.13	171.18
			<i>For Seal Class B, Add</i>	42.79	
			<i>For Seal Class A, Add</i>	91.29	
			<i>For Work In Restricted Working Space, Add</i>	85.58	
23 31 13	13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
			<i>For Seal Class B, Add</i>	44.27	
			<i>For Seal Class A, Add</i>	94.44	
			<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13	13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.05	182.98
			<i>For Seal Class B, Add</i>	45.75	
			<i>For Seal Class A, Add</i>	97.59	
			<i>For Work In Restricted Working Space, Add</i>	91.49	
23 31 13	13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
			<i>For Seal Class B, Add</i>	47.22	
			<i>For Seal Class A, Add</i>	100.74	
			<i>For Work In Restricted Working Space, Add</i>	94.44	
23 31 13	13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	377.96	194.78
			<i>For Seal Class B, Add</i>	48.70	
			<i>For Seal Class A, Add</i>	103.88	
			<i>For Work In Restricted Working Space, Add</i>	97.39	
23 31 13	13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
			<i>For Seal Class B, Add</i>	50.17	
			<i>For Seal Class A, Add</i>	107.03	
			<i>For Work In Restricted Working Space, Add</i>	100.34	
23 31 13	13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	400.85	206.58
			<i>For Seal Class B, Add</i>	51.65	
			<i>For Seal Class A, Add</i>	110.18	
			<i>For Work In Restricted Working Space, Add</i>	103.29	
23 31 13	13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.29	212.49
			<i>For Seal Class B, Add</i>	53.12	
			<i>For Seal Class A, Add</i>	113.32	
			<i>For Work In Restricted Working Space, Add</i>	106.24	
23 31 13	13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.78	218.39
			<i>For Seal Class B, Add</i>	54.60	
			<i>For Seal Class A, Add</i>	116.48	
			<i>For Work In Restricted Working Space, Add</i>	109.20	
23 31 13	13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.23	224.29
			<i>For Seal Class B, Add</i>	56.07	
			<i>For Seal Class A, Add</i>	119.63	
			<i>For Work In Restricted Working Space, Add</i>	112.15	
23 31 13	13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.59	177.08
			<i>For Seal Class B, Add</i>	44.27	
			<i>For Seal Class A, Add</i>	94.44	
			<i>For Work In Restricted Working Space, Add</i>	88.54	
23 31 13	13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	355.05	182.98
			<i>For Seal Class B, Add</i>	45.75	
			<i>For Seal Class A, Add</i>	97.59	
			<i>For Work In Restricted Working Space, Add</i>	91.49	
23 31 13	13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
			<i>For Seal Class B, Add</i>	47.22	
			<i>For Seal Class A, Add</i>	100.74	
			<i>For Work In Restricted Working Space, Add</i>	94.44	
23 31 13	13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	377.96	194.78
			<i>For Seal Class B, Add</i>	48.70	
			<i>For Seal Class A, Add</i>	103.88	
			<i>For Work In Restricted Working Space, Add</i>	97.39	
23 31 13	13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
			<i>For Seal Class B, Add</i>	50.17	
			<i>For Seal Class A, Add</i>	107.03	
			<i>For Work In Restricted Working Space, Add</i>	100.34	
23 31 13	13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	400.85	206.58
			<i>For Seal Class B, Add</i>	51.65	
			<i>For Seal Class A, Add</i>	110.18	
			<i>For Work In Restricted Working Space, Add</i>	103.29	
23 31 13	13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.29	212.49
			<i>For Seal Class B, Add</i>	53.12	
			<i>For Seal Class A, Add</i>	113.32	
			<i>For Work In Restricted Working Space, Add</i>	106.24	
23 31 13	13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.78	218.39
			<i>For Seal Class B, Add</i>	54.60	
			<i>For Seal Class A, Add</i>	116.48	
			<i>For Work In Restricted Working Space, Add</i>	109.20	
23 31 13	13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.23	224.29
			<i>For Seal Class B, Add</i>	56.07	
			<i>For Seal Class A, Add</i>	119.63	
			<i>For Work In Restricted Working Space, Add</i>	112.15	
23 31 13	13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.68	230.20
			<i>For Seal Class B, Add</i>	57.55	
			<i>For Seal Class A, Add</i>	122.77	
			<i>For Work In Restricted Working Space, Add</i>	115.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0997 LF 32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	366.51	188.89
For Seal Class B, Add	47.22	
For Seal Class A, Add	100.74	
For Work In Restricted Working Space, Add	94.44	
23 31 13 13-0998 LF 32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	377.96	194.78
For Seal Class B, Add	48.70	
For Seal Class A, Add	103.88	
For Work In Restricted Working Space, Add	97.39	
23 31 13 13-0999 LF 32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
For Seal Class B, Add	50.17	
For Seal Class A, Add	107.03	
For Work In Restricted Working Space, Add	100.34	
23 31 13 13-1000 LF 32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	400.85	206.58
For Seal Class B, Add	51.65	
For Seal Class A, Add	110.18	
For Work In Restricted Working Space, Add	103.29	
23 31 13 13-1001 LF 32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.29	212.49
For Seal Class B, Add	53.12	
For Seal Class A, Add	113.32	
For Work In Restricted Working Space, Add	106.24	
23 31 13 13-1002 LF 32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.78	218.39
For Seal Class B, Add	54.60	
For Seal Class A, Add	116.48	
For Work In Restricted Working Space, Add	109.20	
23 31 13 13-1003 LF 32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.23	224.29
For Seal Class B, Add	56.07	
For Seal Class A, Add	119.63	
For Work In Restricted Working Space, Add	112.15	
23 31 13 13-1004 LF 32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.68	230.20
For Seal Class B, Add	57.55	
For Seal Class A, Add	122.77	
For Work In Restricted Working Space, Add	115.10	
23 31 13 13-1005 LF 32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.12	236.11
For Seal Class B, Add	59.03	
For Seal Class A, Add	125.92	
For Work In Restricted Working Space, Add	118.05	
23 31 13 13-1006 LF 34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	389.40	200.69
For Seal Class B, Add	50.17	
For Seal Class A, Add	107.03	
For Work In Restricted Working Space, Add	100.34	
23 31 13 13-1007 LF 34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	400.85	206.58
For Seal Class B, Add	51.65	
For Seal Class A, Add	110.18	
For Work In Restricted Working Space, Add	103.29	
23 31 13 13-1008 LF 34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.29	212.49
For Seal Class B, Add	53.12	
For Seal Class A, Add	113.32	
For Work In Restricted Working Space, Add	106.24	
23 31 13 13-1009 LF 34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.78	218.39
For Seal Class B, Add	54.60	
For Seal Class A, Add	116.48	
For Work In Restricted Working Space, Add	109.20	
23 31 13 13-1010 LF 34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.23	224.29
For Seal Class B, Add	56.07	
For Seal Class A, Add	119.63	
For Work In Restricted Working Space, Add	112.15	
23 31 13 13-1011 LF 34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.68	230.20
For Seal Class B, Add	57.55	
For Seal Class A, Add	122.77	
For Work In Restricted Working Space, Add	115.10	
23 31 13 13-1012 LF 34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.12	236.11
For Seal Class B, Add	59.03	
For Seal Class A, Add	125.92	
For Work In Restricted Working Space, Add	118.05	
23 31 13 13-1013 LF 34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.56	242.00
For Seal Class B, Add	60.50	
For Seal Class A, Add	129.07	
For Work In Restricted Working Space, Add	121.00	
23 31 13 13-1014 LF 36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.29	212.49
For Seal Class B, Add	53.12	
For Seal Class A, Add	113.32	
For Work In Restricted Working Space, Add	106.24	
23 31 13 13-1015 LF 36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.78	218.39
For Seal Class B, Add	54.60	
For Seal Class A, Add	116.48	
For Work In Restricted Working Space, Add	109.20	
23 31 13 13-1016 LF 36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.23	224.29
For Seal Class B, Add	56.07	
For Seal Class A, Add	119.63	
For Work In Restricted Working Space, Add	112.15	
23 31 13 13-1017 LF 36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.68	230.20
For Seal Class B, Add	57.55	
For Seal Class A, Add	122.77	
For Work In Restricted Working Space, Add	115.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.12	236.11
			<i>For Seal Class B, Add</i>	59.03	
			<i>For Seal Class A, Add</i>	125.92	
			<i>For Work In Restricted Working Space, Add</i>	118.05	
23 31 13	13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.56	242.00
			<i>For Seal Class B, Add</i>	60.50	
			<i>For Seal Class A, Add</i>	129.07	
			<i>For Work In Restricted Working Space, Add</i>	121.00	
23 31 13	13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.03	247.91
			<i>For Seal Class B, Add</i>	61.98	
			<i>For Seal Class A, Add</i>	132.21	
			<i>For Work In Restricted Working Space, Add</i>	123.95	
23 31 13	13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	435.23	224.29
			<i>For Seal Class B, Add</i>	56.07	
			<i>For Seal Class A, Add</i>	119.63	
			<i>For Work In Restricted Working Space, Add</i>	112.15	
23 31 13	13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.68	230.20
			<i>For Seal Class B, Add</i>	57.55	
			<i>For Seal Class A, Add</i>	122.77	
			<i>For Work In Restricted Working Space, Add</i>	115.10	
23 31 13	13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.12	236.11
			<i>For Seal Class B, Add</i>	59.03	
			<i>For Seal Class A, Add</i>	125.92	
			<i>For Work In Restricted Working Space, Add</i>	118.05	
23 31 13	13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.56	242.00
			<i>For Seal Class B, Add</i>	60.50	
			<i>For Seal Class A, Add</i>	129.07	
			<i>For Work In Restricted Working Space, Add</i>	121.00	
23 31 13	13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.03	247.91
			<i>For Seal Class B, Add</i>	61.98	
			<i>For Seal Class A, Add</i>	132.21	
			<i>For Work In Restricted Working Space, Add</i>	123.95	
23 31 13	13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.50	253.81
			<i>For Seal Class B, Add</i>	63.45	
			<i>For Seal Class A, Add</i>	135.37	
			<i>For Work In Restricted Working Space, Add</i>	126.91	
23 31 13	13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	503.94	259.71
			<i>For Seal Class B, Add</i>	64.93	
			<i>For Seal Class A, Add</i>	138.51	
			<i>For Work In Restricted Working Space, Add</i>	129.86	
23 31 13	13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	458.12	236.11
			<i>For Seal Class B, Add</i>	59.03	
			<i>For Seal Class A, Add</i>	125.92	
			<i>For Work In Restricted Working Space, Add</i>	118.05	
23 31 13	13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.56	242.00
			<i>For Seal Class B, Add</i>	60.50	
			<i>For Seal Class A, Add</i>	129.07	
			<i>For Work In Restricted Working Space, Add</i>	121.00	
23 31 13	13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.03	247.91
			<i>For Seal Class B, Add</i>	61.98	
			<i>For Seal Class A, Add</i>	132.21	
			<i>For Work In Restricted Working Space, Add</i>	123.95	
23 31 13	13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.50	253.81
			<i>For Seal Class B, Add</i>	63.45	
			<i>For Seal Class A, Add</i>	135.37	
			<i>For Work In Restricted Working Space, Add</i>	126.91	
23 31 13	13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	503.94	259.71
			<i>For Seal Class B, Add</i>	64.93	
			<i>For Seal Class A, Add</i>	138.51	
			<i>For Work In Restricted Working Space, Add</i>	129.86	
23 31 13	13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.39	265.61
			<i>For Seal Class B, Add</i>	66.40	
			<i>For Seal Class A, Add</i>	141.66	
			<i>For Work In Restricted Working Space, Add</i>	132.81	
23 31 13	13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.84	271.51
			<i>For Seal Class B, Add</i>	67.88	
			<i>For Seal Class A, Add</i>	144.81	
			<i>For Work In Restricted Working Space, Add</i>	135.76	
23 31 13	13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.30	277.41
			<i>For Seal Class B, Add</i>	69.35	
			<i>For Seal Class A, Add</i>	147.96	
			<i>For Work In Restricted Working Space, Add</i>	138.71	
23 31 13	13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.75	283.32
			<i>For Seal Class B, Add</i>	70.83	
			<i>For Seal Class A, Add</i>	151.10	
			<i>For Work In Restricted Working Space, Add</i>	141.66	
23 31 13	13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	481.03	247.91
			<i>For Seal Class B, Add</i>	61.98	
			<i>For Seal Class A, Add</i>	132.21	
			<i>For Work In Restricted Working Space, Add</i>	123.95	
23 31 13	13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.50	253.81
			<i>For Seal Class B, Add</i>	63.45	
			<i>For Seal Class A, Add</i>	135.37	
			<i>For Work In Restricted Working Space, Add</i>	126.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1039 LF 42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	503.94	259.71
<i>For Seal Class B, Add</i>	64.93	
<i>For Seal Class A, Add</i>	138.51	
<i>For Work In Restricted Working Space, Add</i>	129.86	
23 31 13 13-1040 LF 42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.39	265.61
<i>For Seal Class B, Add</i>	66.40	
<i>For Seal Class A, Add</i>	141.66	
<i>For Work In Restricted Working Space, Add</i>	132.81	
23 31 13 13-1041 LF 42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.84	271.51
<i>For Seal Class B, Add</i>	67.88	
<i>For Seal Class A, Add</i>	144.81	
<i>For Work In Restricted Working Space, Add</i>	135.76	
23 31 13 13-1042 LF 42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.30	277.41
<i>For Seal Class B, Add</i>	69.35	
<i>For Seal Class A, Add</i>	147.96	
<i>For Work In Restricted Working Space, Add</i>	138.71	
23 31 13 13-1043 LF 42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.75	283.32
<i>For Seal Class B, Add</i>	70.83	
<i>For Seal Class A, Add</i>	151.10	
<i>For Work In Restricted Working Space, Add</i>	141.66	
23 31 13 13-1044 LF 42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.19	289.21
<i>For Seal Class B, Add</i>	72.30	
<i>For Seal Class A, Add</i>	154.25	
<i>For Work In Restricted Working Space, Add</i>	144.61	
23 31 13 13-1045 LF 44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	503.94	259.71
<i>For Seal Class B, Add</i>	64.93	
<i>For Seal Class A, Add</i>	138.51	
<i>For Work In Restricted Working Space, Add</i>	129.86	
23 31 13 13-1046 LF 44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.39	265.61
<i>For Seal Class B, Add</i>	66.40	
<i>For Seal Class A, Add</i>	141.66	
<i>For Work In Restricted Working Space, Add</i>	132.81	
23 31 13 13-1047 LF 44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.84	271.51
<i>For Seal Class B, Add</i>	67.88	
<i>For Seal Class A, Add</i>	144.81	
<i>For Work In Restricted Working Space, Add</i>	135.76	
23 31 13 13-1048 LF 44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.30	277.41
<i>For Seal Class B, Add</i>	69.35	
<i>For Seal Class A, Add</i>	147.96	
<i>For Work In Restricted Working Space, Add</i>	138.71	
23 31 13 13-1049 LF 44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.75	283.32
<i>For Seal Class B, Add</i>	70.83	
<i>For Seal Class A, Add</i>	151.10	
<i>For Work In Restricted Working Space, Add</i>	141.66	
23 31 13 13-1050 LF 44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.19	289.21
<i>For Seal Class B, Add</i>	72.30	
<i>For Seal Class A, Add</i>	154.25	
<i>For Work In Restricted Working Space, Add</i>	144.61	
23 31 13 13-1051 LF 44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	572.65	295.13
<i>For Seal Class B, Add</i>	73.78	
<i>For Seal Class A, Add</i>	157.40	
<i>For Work In Restricted Working Space, Add</i>	147.56	
23 31 13 13-1052 LF 46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.84	271.51
<i>For Seal Class B, Add</i>	67.88	
<i>For Seal Class A, Add</i>	144.81	
<i>For Work In Restricted Working Space, Add</i>	135.76	
23 31 13 13-1053 LF 46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	538.30	277.41
<i>For Seal Class B, Add</i>	69.35	
<i>For Seal Class A, Add</i>	147.96	
<i>For Work In Restricted Working Space, Add</i>	138.71	
23 31 13 13-1054 LF 46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.75	283.32
<i>For Seal Class B, Add</i>	70.83	
<i>For Seal Class A, Add</i>	151.10	
<i>For Work In Restricted Working Space, Add</i>	141.66	
23 31 13 13-1055 LF 46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.19	289.21
<i>For Seal Class B, Add</i>	72.30	
<i>For Seal Class A, Add</i>	154.25	
<i>For Work In Restricted Working Space, Add</i>	144.61	
23 31 13 13-1056 LF 46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	572.65	295.13
<i>For Seal Class B, Add</i>	73.78	
<i>For Seal Class A, Add</i>	157.40	
<i>For Work In Restricted Working Space, Add</i>	147.56	
23 31 13 13-1057 LF 46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	593.94	306.93
<i>For Seal Class B, Add</i>	76.73	
<i>For Seal Class A, Add</i>	163.70	
<i>For Work In Restricted Working Space, Add</i>	153.47	
23 31 13 13-1058 LF 46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	605.41	312.84
<i>For Seal Class B, Add</i>	78.21	
<i>For Seal Class A, Add</i>	166.84	
<i>For Work In Restricted Working Space, Add</i>	156.42	
23 31 13 13-1059 LF 48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.75	283.32
<i>For Seal Class B, Add</i>	70.83	
<i>For Seal Class A, Add</i>	151.10	
<i>For Work In Restricted Working Space, Add</i>	141.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	561.19	289.21
			<i>For Seal Class B, Add</i>	72.30	
			<i>For Seal Class A, Add</i>	154.25	
			<i>For Work In Restricted Working Space, Add</i>	144.61	
23 31 13	13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	572.65	295.13
			<i>For Seal Class B, Add</i>	73.78	
			<i>For Seal Class A, Add</i>	157.40	
			<i>For Work In Restricted Working Space, Add</i>	147.56	
23 31 13	13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	584.10	301.03
			<i>For Seal Class B, Add</i>	75.26	
			<i>For Seal Class A, Add</i>	160.55	
			<i>For Work In Restricted Working Space, Add</i>	150.51	
23 31 13	13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	595.57	306.93
			<i>For Seal Class B, Add</i>	76.73	
			<i>For Seal Class A, Add</i>	163.70	
			<i>For Work In Restricted Working Space, Add</i>	153.47	
23 31 13	13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	607.02	312.84
			<i>For Seal Class B, Add</i>	78.21	
			<i>For Seal Class A, Add</i>	166.84	
			<i>For Work In Restricted Working Space, Add</i>	156.42	
23 31 13	13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	618.47	318.74
			<i>For Seal Class B, Add</i>	79.68	
			<i>For Seal Class A, Add</i>	169.99	
			<i>For Work In Restricted Working Space, Add</i>	159.37	
23 31 13	13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	572.65	295.13
			<i>For Seal Class B, Add</i>	73.78	
			<i>For Seal Class A, Add</i>	157.40	
			<i>For Work In Restricted Working Space, Add</i>	147.56	
23 31 13	13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	584.10	301.03
			<i>For Seal Class B, Add</i>	75.26	
			<i>For Seal Class A, Add</i>	160.55	
			<i>For Work In Restricted Working Space, Add</i>	150.51	
23 31 13	13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	595.57	306.93
			<i>For Seal Class B, Add</i>	76.73	
			<i>For Seal Class A, Add</i>	163.70	
			<i>For Work In Restricted Working Space, Add</i>	153.47	
23 31 13	13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	607.02	312.84
			<i>For Seal Class B, Add</i>	78.21	
			<i>For Seal Class A, Add</i>	166.84	
			<i>For Work In Restricted Working Space, Add</i>	156.42	
23 31 13	13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	618.47	318.74
			<i>For Seal Class B, Add</i>	79.68	
			<i>For Seal Class A, Add</i>	169.99	
			<i>For Work In Restricted Working Space, Add</i>	159.37	
23 31 13	13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.91	324.64
			<i>For Seal Class B, Add</i>	81.16	
			<i>For Seal Class A, Add</i>	173.14	
			<i>For Work In Restricted Working Space, Add</i>	162.32	
23 31 13	13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	595.57	306.93
			<i>For Seal Class B, Add</i>	76.73	
			<i>For Seal Class A, Add</i>	163.70	
			<i>For Work In Restricted Working Space, Add</i>	153.47	
23 31 13	13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	607.02	312.84
			<i>For Seal Class B, Add</i>	78.21	
			<i>For Seal Class A, Add</i>	166.84	
			<i>For Work In Restricted Working Space, Add</i>	156.42	
23 31 13	13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	618.47	318.74
			<i>For Seal Class B, Add</i>	79.68	
			<i>For Seal Class A, Add</i>	169.99	
			<i>For Work In Restricted Working Space, Add</i>	159.37	
23 31 13	13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.91	324.64
			<i>For Seal Class B, Add</i>	81.16	
			<i>For Seal Class A, Add</i>	173.14	
			<i>For Work In Restricted Working Space, Add</i>	162.32	
23 31 13	13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.36	330.54
			<i>For Seal Class B, Add</i>	82.64	
			<i>For Seal Class A, Add</i>	176.29	
			<i>For Work In Restricted Working Space, Add</i>	165.27	
23 31 13	13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	618.47	318.74
			<i>For Seal Class B, Add</i>	79.68	
			<i>For Seal Class A, Add</i>	169.99	
			<i>For Work In Restricted Working Space, Add</i>	159.37	
23 31 13	13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	629.91	324.64
			<i>For Seal Class B, Add</i>	81.16	
			<i>For Seal Class A, Add</i>	173.14	
			<i>For Work In Restricted Working Space, Add</i>	162.32	
23 31 13	13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.36	330.54
			<i>For Seal Class B, Add</i>	82.64	
			<i>For Seal Class A, Add</i>	176.29	
			<i>For Work In Restricted Working Space, Add</i>	165.27	
23 31 13	13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.84	336.44
			<i>For Seal Class B, Add</i>	84.11	
			<i>For Seal Class A, Add</i>	179.44	
			<i>For Work In Restricted Working Space, Add</i>	168.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1081 LF 54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	664.29	342.34
<i>For Seal Class B, Add</i>	85.59	
<i>For Seal Class A, Add</i>	182.59	
<i>For Work In Restricted Working Space, Add</i>	171.17	
23 31 13 13-1082 LF 54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.73	348.25
<i>For Seal Class B, Add</i>	87.06	
<i>For Seal Class A, Add</i>	185.73	
<i>For Work In Restricted Working Space, Add</i>	174.12	
23 31 13 13-1083 LF 56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	641.36	330.54
<i>For Seal Class B, Add</i>	82.64	
<i>For Seal Class A, Add</i>	176.29	
<i>For Work In Restricted Working Space, Add</i>	165.27	
23 31 13 13-1084 LF 56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	652.84	336.44
<i>For Seal Class B, Add</i>	84.11	
<i>For Seal Class A, Add</i>	179.44	
<i>For Work In Restricted Working Space, Add</i>	168.22	
23 31 13 13-1085 LF 56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	664.29	342.34
<i>For Seal Class B, Add</i>	85.59	
<i>For Seal Class A, Add</i>	182.59	
<i>For Work In Restricted Working Space, Add</i>	171.17	
23 31 13 13-1086 LF 56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.73	348.25
<i>For Seal Class B, Add</i>	87.06	
<i>For Seal Class A, Add</i>	185.73	
<i>For Work In Restricted Working Space, Add</i>	174.12	
23 31 13 13-1087 LF 56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	687.18	354.14
<i>For Seal Class B, Add</i>	88.54	
<i>For Seal Class A, Add</i>	188.88	
<i>For Work In Restricted Working Space, Add</i>	177.08	
23 31 13 13-1088 LF 58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	664.29	342.34
<i>For Seal Class B, Add</i>	85.59	
<i>For Seal Class A, Add</i>	182.59	
<i>For Work In Restricted Working Space, Add</i>	171.17	
23 31 13 13-1089 LF 58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.73	348.25
<i>For Seal Class B, Add</i>	87.06	
<i>For Seal Class A, Add</i>	185.73	
<i>For Work In Restricted Working Space, Add</i>	174.12	
23 31 13 13-1090 LF 58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	687.18	354.14
<i>For Seal Class B, Add</i>	88.54	
<i>For Seal Class A, Add</i>	188.88	
<i>For Work In Restricted Working Space, Add</i>	177.08	
23 31 13 13-1091 LF 58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	698.63	360.06
<i>For Seal Class B, Add</i>	90.01	
<i>For Seal Class A, Add</i>	192.03	
<i>For Work In Restricted Working Space, Add</i>	180.03	
23 31 13 13-1092 LF 58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	710.09	365.96
<i>For Seal Class B, Add</i>	91.49	
<i>For Seal Class A, Add</i>	195.17	
<i>For Work In Restricted Working Space, Add</i>	182.98	
23 31 13 13-1093 LF 60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	687.18	354.14
<i>For Seal Class B, Add</i>	88.54	
<i>For Seal Class A, Add</i>	188.88	
<i>For Work In Restricted Working Space, Add</i>	177.08	
23 31 13 13-1094 LF 60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	698.63	360.06
<i>For Seal Class B, Add</i>	90.01	
<i>For Seal Class A, Add</i>	192.03	
<i>For Work In Restricted Working Space, Add</i>	180.03	
23 31 13 13-1095 LF 60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	710.09	365.96
<i>For Seal Class B, Add</i>	91.49	
<i>For Seal Class A, Add</i>	195.17	
<i>For Work In Restricted Working Space, Add</i>	182.98	
23 31 13 13-1096 LF 60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	721.55	371.86
<i>For Seal Class B, Add</i>	92.96	
<i>For Seal Class A, Add</i>	198.32	
<i>For Work In Restricted Working Space, Add</i>	185.93	
23 31 13 13-1097 LF 60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	733.00	377.76
<i>For Seal Class B, Add</i>	94.44	
<i>For Seal Class A, Add</i>	201.47	
<i>For Work In Restricted Working Space, Add</i>	188.88	
23 31 13 13-1098 LF 62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	710.09	365.96
<i>For Seal Class B, Add</i>	91.49	
<i>For Seal Class A, Add</i>	195.17	
<i>For Work In Restricted Working Space, Add</i>	182.98	
23 31 13 13-1099 LF 62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	721.55	371.86
<i>For Seal Class B, Add</i>	92.96	
<i>For Seal Class A, Add</i>	198.32	
<i>For Work In Restricted Working Space, Add</i>	185.93	
23 31 13 13-1100 LF 62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	733.00	377.76
<i>For Seal Class B, Add</i>	94.44	
<i>For Seal Class A, Add</i>	201.47	
<i>For Work In Restricted Working Space, Add</i>	188.88	
23 31 13 13-1101 LF 62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	744.45	383.67
<i>For Seal Class B, Add</i>	95.92	
<i>For Seal Class A, Add</i>	204.62	
<i>For Work In Restricted Working Space, Add</i>	191.83	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	755.89	389.56
			<i>For Seal Class B, Add</i>	97.39	
			<i>For Seal Class A, Add</i>	207.77	
			<i>For Work In Restricted Working Space, Add</i>	194.78	
23 31 13	13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	733.00	377.76
			<i>For Seal Class B, Add</i>	94.44	
			<i>For Seal Class A, Add</i>	201.47	
			<i>For Work In Restricted Working Space, Add</i>	188.88	
23 31 13	13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	744.45	383.67
			<i>For Seal Class B, Add</i>	95.92	
			<i>For Seal Class A, Add</i>	204.62	
			<i>For Work In Restricted Working Space, Add</i>	191.83	
23 31 13	13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	755.89	389.56
			<i>For Seal Class B, Add</i>	97.39	
			<i>For Seal Class A, Add</i>	207.77	
			<i>For Work In Restricted Working Space, Add</i>	194.78	
23 31 13	13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	767.36	395.47
			<i>For Seal Class B, Add</i>	98.87	
			<i>For Seal Class A, Add</i>	210.92	
			<i>For Work In Restricted Working Space, Add</i>	197.73	
23 31 13	13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	755.89	389.56
			<i>For Seal Class B, Add</i>	97.39	
			<i>For Seal Class A, Add</i>	207.77	
			<i>For Work In Restricted Working Space, Add</i>	194.78	
23 31 13	13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	767.36	395.47
			<i>For Seal Class B, Add</i>	98.87	
			<i>For Seal Class A, Add</i>	210.92	
			<i>For Work In Restricted Working Space, Add</i>	197.73	
23 31 13	13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	778.81	401.37
			<i>For Seal Class B, Add</i>	100.34	
			<i>For Seal Class A, Add</i>	214.06	
			<i>For Work In Restricted Working Space, Add</i>	200.69	
23 31 13	13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	790.26	407.27
			<i>For Seal Class B, Add</i>	101.82	
			<i>For Seal Class A, Add</i>	217.21	
			<i>For Work In Restricted Working Space, Add</i>	203.64	
23 31 13	13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	778.81	401.37
			<i>For Seal Class B, Add</i>	100.34	
			<i>For Seal Class A, Add</i>	214.06	
			<i>For Work In Restricted Working Space, Add</i>	200.69	
23 31 13	13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	790.26	407.27
			<i>For Seal Class B, Add</i>	101.82	
			<i>For Seal Class A, Add</i>	217.21	
			<i>For Work In Restricted Working Space, Add</i>	203.64	
23 31 13	13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	801.71	413.17
			<i>For Seal Class B, Add</i>	103.29	
			<i>For Seal Class A, Add</i>	220.36	
			<i>For Work In Restricted Working Space, Add</i>	206.59	
23 31 13	13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	813.15	419.07
			<i>For Seal Class B, Add</i>	104.77	
			<i>For Seal Class A, Add</i>	223.51	
			<i>For Work In Restricted Working Space, Add</i>	209.54	
23 31 13	13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	801.71	413.17
			<i>For Seal Class B, Add</i>	103.29	
			<i>For Seal Class A, Add</i>	220.36	
			<i>For Work In Restricted Working Space, Add</i>	206.59	
23 31 13	13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	813.15	419.07
			<i>For Seal Class B, Add</i>	104.77	
			<i>For Seal Class A, Add</i>	223.51	
			<i>For Work In Restricted Working Space, Add</i>	209.54	
23 31 13	13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	824.63	424.98
			<i>For Seal Class B, Add</i>	106.25	
			<i>For Seal Class A, Add</i>	226.66	
			<i>For Work In Restricted Working Space, Add</i>	212.49	
23 31 13	13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	836.08	430.89
			<i>For Seal Class B, Add</i>	107.72	
			<i>For Seal Class A, Add</i>	229.80	
			<i>For Work In Restricted Working Space, Add</i>	215.44	
23 31 13	13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	847.52	436.78
			<i>For Seal Class B, Add</i>	109.20	
			<i>For Seal Class A, Add</i>	232.95	
			<i>For Work In Restricted Working Space, Add</i>	218.39	
23 31 13	13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	858.97	442.69
			<i>For Seal Class B, Add</i>	110.67	
			<i>For Seal Class A, Add</i>	236.10	
			<i>For Work In Restricted Working Space, Add</i>	221.34	
23 31 13	13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	870.43	448.59
			<i>For Seal Class B, Add</i>	112.15	
			<i>For Seal Class A, Add</i>	239.25	
			<i>For Work In Restricted Working Space, Add</i>	224.30	
23 31 13	13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	881.91	454.49
			<i>For Seal Class B, Add</i>	113.63	
			<i>For Seal Class A, Add</i>	242.40	
			<i>For Work In Restricted Working Space, Add</i>	227.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1123 LF 70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.34	460.39
For Seal Class B, Add	115.10	
For Seal Class A, Add	245.54	
For Work In Restricted Working Space, Add	230.20	
23 31 13 13-1124 LF 72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	824.63	424.98
For Seal Class B, Add	106.25	
For Seal Class A, Add	226.66	
For Work In Restricted Working Space, Add	212.49	
23 31 13 13-1125 LF 72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	836.08	430.89
For Seal Class B, Add	107.72	
For Seal Class A, Add	229.80	
For Work In Restricted Working Space, Add	215.44	
23 31 13 13-1126 LF 72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	847.52	436.78
For Seal Class B, Add	109.20	
For Seal Class A, Add	232.95	
For Work In Restricted Working Space, Add	218.39	
23 31 13 13-1127 LF 72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	858.97	442.69
For Seal Class B, Add	110.67	
For Seal Class A, Add	236.10	
For Work In Restricted Working Space, Add	221.34	
23 31 13 13-1128 LF 72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	870.43	448.59
For Seal Class B, Add	112.15	
For Seal Class A, Add	239.25	
For Work In Restricted Working Space, Add	224.30	
23 31 13 13-1129 LF 72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	881.91	454.49
For Seal Class B, Add	113.63	
For Seal Class A, Add	242.40	
For Work In Restricted Working Space, Add	227.25	
23 31 13 13-1130 LF 72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.34	460.39
For Seal Class B, Add	115.10	
For Seal Class A, Add	245.54	
For Work In Restricted Working Space, Add	230.20	
23 31 13 13-1131 LF 72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	904.79	466.30
For Seal Class B, Add	116.57	
For Seal Class A, Add	248.69	
For Work In Restricted Working Space, Add	233.15	
23 31 13 13-1132 LF 74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	847.52	436.78
For Seal Class B, Add	109.20	
For Seal Class A, Add	232.95	
For Work In Restricted Working Space, Add	218.39	
23 31 13 13-1133 LF 74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	858.97	442.69
For Seal Class B, Add	110.67	
For Seal Class A, Add	236.10	
For Work In Restricted Working Space, Add	221.34	
23 31 13 13-1134 LF 74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	870.43	448.59
For Seal Class B, Add	112.15	
For Seal Class A, Add	239.25	
For Work In Restricted Working Space, Add	224.30	
23 31 13 13-1135 LF 74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	881.91	454.49
For Seal Class B, Add	113.63	
For Seal Class A, Add	242.40	
For Work In Restricted Working Space, Add	227.25	
23 31 13 13-1136 LF 74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.34	460.39
For Seal Class B, Add	115.10	
For Seal Class A, Add	245.54	
For Work In Restricted Working Space, Add	230.20	
23 31 13 13-1137 LF 74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	904.79	466.30
For Seal Class B, Add	116.57	
For Seal Class A, Add	248.69	
For Work In Restricted Working Space, Add	233.15	
23 31 13 13-1138 LF 74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	916.24	472.20
For Seal Class B, Add	118.05	
For Seal Class A, Add	251.84	
For Work In Restricted Working Space, Add	236.10	
23 31 13 13-1139 LF 76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	870.43	448.59
For Seal Class B, Add	112.15	
For Seal Class A, Add	239.25	
For Work In Restricted Working Space, Add	224.30	
23 31 13 13-1140 LF 76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	881.91	454.49
For Seal Class B, Add	113.63	
For Seal Class A, Add	242.40	
For Work In Restricted Working Space, Add	227.25	
23 31 13 13-1141 LF 76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.34	460.39
For Seal Class B, Add	115.10	
For Seal Class A, Add	245.54	
For Work In Restricted Working Space, Add	230.20	
23 31 13 13-1142 LF 76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	904.79	466.30
For Seal Class B, Add	116.57	
For Seal Class A, Add	248.69	
For Work In Restricted Working Space, Add	233.15	
23 31 13 13-1143 LF 76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	916.24	472.20
For Seal Class B, Add	118.05	
For Seal Class A, Add	251.84	
For Work In Restricted Working Space, Add	236.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	927.68	478.10
			<i>For Seal Class B, Add</i>	119.52	
			<i>For Seal Class A, Add</i>	254.99	
			<i>For Work In Restricted Working Space, Add</i>	239.05	
23 31 13	13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	893.34	460.39
			<i>For Seal Class B, Add</i>	115.10	
			<i>For Seal Class A, Add</i>	245.54	
			<i>For Work In Restricted Working Space, Add</i>	230.20	
23 31 13	13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	904.79	466.30
			<i>For Seal Class B, Add</i>	116.57	
			<i>For Seal Class A, Add</i>	248.69	
			<i>For Work In Restricted Working Space, Add</i>	233.15	
23 31 13	13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	916.24	472.20
			<i>For Seal Class B, Add</i>	118.05	
			<i>For Seal Class A, Add</i>	251.84	
			<i>For Work In Restricted Working Space, Add</i>	236.10	
23 31 13	13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	927.68	478.10
			<i>For Seal Class B, Add</i>	119.52	
			<i>For Seal Class A, Add</i>	254.99	
			<i>For Work In Restricted Working Space, Add</i>	239.05	
23 31 13	13-1149	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	939.15	484.00
			<i>For Seal Class B, Add</i>	121.00	
			<i>For Seal Class A, Add</i>	258.13	
			<i>For Work In Restricted Working Space, Add</i>	242.00	
23 31 13	13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	916.24	472.20
			<i>For Seal Class B, Add</i>	118.05	
			<i>For Seal Class A, Add</i>	251.84	
			<i>For Work In Restricted Working Space, Add</i>	236.10	
23 31 13	13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	927.68	478.10
			<i>For Seal Class B, Add</i>	119.52	
			<i>For Seal Class A, Add</i>	254.99	
			<i>For Work In Restricted Working Space, Add</i>	239.05	
23 31 13	13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	939.15	484.00
			<i>For Seal Class B, Add</i>	121.00	
			<i>For Seal Class A, Add</i>	258.13	
			<i>For Work In Restricted Working Space, Add</i>	242.00	
23 31 13	13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	960.46	495.82
			<i>For Seal Class B, Add</i>	123.95	
			<i>For Seal Class A, Add</i>	264.44	
			<i>For Work In Restricted Working Space, Add</i>	247.91	
23 31 13	13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	939.15	484.00
			<i>For Seal Class B, Add</i>	121.00	
			<i>For Seal Class A, Add</i>	258.13	
			<i>For Work In Restricted Working Space, Add</i>	242.00	
23 31 13	13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	950.62	489.91
			<i>For Seal Class B, Add</i>	122.48	
			<i>For Seal Class A, Add</i>	261.29	
			<i>For Work In Restricted Working Space, Add</i>	244.96	
23 31 13	13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	962.07	495.82
			<i>For Seal Class B, Add</i>	123.95	
			<i>For Seal Class A, Add</i>	264.44	
			<i>For Work In Restricted Working Space, Add</i>	247.91	
23 31 13	13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	962.07	495.82
			<i>For Seal Class B, Add</i>	123.95	
			<i>For Seal Class A, Add</i>	264.44	
			<i>For Work In Restricted Working Space, Add</i>	247.91	
23 31 13	13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	973.51	501.71
			<i>For Seal Class B, Add</i>	125.43	
			<i>For Seal Class A, Add</i>	267.58	
			<i>For Work In Restricted Working Space, Add</i>	250.86	
23 31 13	13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	984.95	507.62
			<i>For Seal Class B, Add</i>	126.90	
			<i>For Seal Class A, Add</i>	270.73	
			<i>For Work In Restricted Working Space, Add</i>	253.81	

23 31 13 16 Round and Flat-Oval Spiral Ducts (23 31 13)

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct (23 31 13 16)
 Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001)
 Note: Includes straps and supports.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0003 LF 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.49	3.02
For Seal Class B, Add	0.93	
For Seal Class A, Add	2.47	
For Up To 20', Add	0.69	
For >20' To 50', Add	0.28	
For >200' To 500', Deduct	-0.17	
For >500', Deduct	-0.29	
For 28 Gauge, Deduct	-0.32	
For 24 Gauge, Add	0.32	
For 22 Gauge, Add	0.64	
For 20 Gauge, Add	0.96	
For 18 Gauge, Add	1.27	
For 16 Gauge, Add	1.56	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.71	
For Work In Restricted Working Space, Add	1.65	
For Elevated Installation >10' To 15', Add	0.62	
For Elevated Installation >15' To 20', Add	1.24	
For Elevated Installation >20' To 25', Add	1.55	
For Elevated Installation >25' To 30', Add	2.16	
For Elevated Installation >30' To 35', Add	2.47	
For Elevated Installation >35' To 40', Add	3.09	
For Elevated Installation >40', Add	3.40	
23 31 13 16-0004 LF 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.78	3.43
For Seal Class B, Add	1.03	
For Seal Class A, Add	2.74	
For Up To 20', Add	0.88	
For >20' To 50', Add	0.35	
For >200' To 500', Deduct	-0.22	
For >500', Deduct	-0.37	
For 28 Gauge, Deduct	-0.40	
For 24 Gauge, Add	0.40	
For 22 Gauge, Add	0.80	
For 20 Gauge, Add	1.21	
For 18 Gauge, Add	1.61	
For 16 Gauge, Add	1.97	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.16	
For Work In Restricted Working Space, Add	2.06	
For Elevated Installation >10' To 15', Add	0.69	
For Elevated Installation >15' To 20', Add	1.37	
For Elevated Installation >20' To 25', Add	1.72	
For Elevated Installation >25' To 30', Add	2.40	
For Elevated Installation >30' To 35', Add	2.74	
For Elevated Installation >35' To 40', Add	3.43	
For Elevated Installation >40', Add	3.77	
23 31 13 16-0005 LF 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.09	4.12
For Seal Class B, Add	1.16	
For Seal Class A, Add	3.09	
For Up To 20', Add	1.01	
For >20' To 50', Add	0.40	
For >200' To 500', Deduct	-0.25	
For >500', Deduct	-0.42	
For 28 Gauge, Deduct	-0.47	
For 24 Gauge, Add	0.47	
For 22 Gauge, Add	0.93	
For 20 Gauge, Add	1.40	
For 18 Gauge, Add	1.85	
For 16 Gauge, Add	2.27	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.49	
For Work In Restricted Working Space, Add	2.32	
For Elevated Installation >10' To 15', Add	0.77	
For Elevated Installation >15' To 20', Add	1.54	
For Elevated Installation >20' To 25', Add	1.93	
For Elevated Installation >25' To 30', Add	2.70	
For Elevated Installation >30' To 35', Add	3.09	
For Elevated Installation >35' To 40', Add	3.86	
For Elevated Installation >40', Add	4.25	
23 31 13 16-0006 LF 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	12.47	4.80
For Seal Class B, Add	1.32	
For Seal Class A, Add	3.53	
For Up To 20', Add	1.09	
For >20' To 50', Add	0.44	
For >200' To 500', Deduct	-0.27	
For >500', Deduct	-0.46	
For 28 Gauge, Deduct	-0.50	
For 24 Gauge, Add	0.50	
For 22 Gauge, Add	1.00	
For 20 Gauge, Add	1.51	
For 18 Gauge, Add	2.00	
For 16 Gauge, Add	2.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.69	
For Work In Restricted Working Space, Add	2.65	
For Elevated Installation >10' To 15', Add	0.88	
For Elevated Installation >15' To 20', Add	1.77	
For Elevated Installation >20' To 25', Add	2.21	
For Elevated Installation >25' To 30', Add	3.09	
For Elevated Installation >30' To 35', Add	3.53	
For Elevated Installation >35' To 40', Add	4.42	
For Elevated Installation >40', Add	4.86	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	14.19	5.49
		<i>For Seal Class B, Add</i>	1.54	
		<i>For Seal Class A, Add</i>	4.12	
		<i>For Up To 20', Add</i>	1.17	
		<i>For >20' To 50', Add</i>	0.47	
		<i>For >200' To 500', Deduct</i>	-0.29	
		<i>For >500', Deduct</i>	-0.49	
		<i>For 28 Gauge, Deduct</i>	-0.54	
		<i>For 24 Gauge, Add</i>	0.54	
		<i>For 22 Gauge, Add</i>	1.07	
		<i>For 20 Gauge, Add</i>	1.61	
		<i>For 18 Gauge, Add</i>	2.15	
		<i>For 16 Gauge, Add</i>	2.63	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.89	
		<i>For Work In Restricted Working Space, Add</i>	3.09	
		<i>For Elevated Installation >10' To 15', Add</i>	1.03	
		<i>For Elevated Installation >15' To 20', Add</i>	2.06	
		<i>For Elevated Installation >20' To 25', Add</i>	2.57	
		<i>For Elevated Installation >25' To 30', Add</i>	3.60	
		<i>For Elevated Installation >30' To 35', Add</i>	4.12	
		<i>For Elevated Installation >35' To 40', Add</i>	5.15	
		<i>For Elevated Installation >40', Add</i>	5.66	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	18.04	6.86
		<i>For Seal Class B, Add</i>	1.85	
		<i>For Seal Class A, Add</i>	4.94	
		<i>For Up To 20', Add</i>	1.70	
		<i>For >20' To 50', Add</i>	0.68	
		<i>For >200' To 500', Deduct</i>	-0.43	
		<i>For >500', Deduct</i>	-0.71	
		<i>For 28 Gauge, Deduct</i>	-0.79	
		<i>For 24 Gauge, Add</i>	0.78	
		<i>For 22 Gauge, Add</i>	1.56	
		<i>For 20 Gauge, Add</i>	2.35	
		<i>For 18 Gauge, Add</i>	3.12	
		<i>For 16 Gauge, Add</i>	3.83	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.20	
		<i>For Work In Restricted Working Space, Add</i>	3.71	
		<i>For Elevated Installation >10' To 15', Add</i>	1.24	
		<i>For Elevated Installation >15' To 20', Add</i>	2.47	
		<i>For Elevated Installation >20' To 25', Add</i>	3.09	
		<i>For Elevated Installation >25' To 30', Add</i>	4.33	
		<i>For Elevated Installation >30' To 35', Add</i>	4.94	
		<i>For Elevated Installation >35' To 40', Add</i>	6.18	
		<i>For Elevated Installation >40', Add</i>	6.80	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	22.09	9.20
		<i>For Seal Class B, Add</i>	2.32	
		<i>For Seal Class A, Add</i>	6.18	
		<i>For Up To 20', Add</i>	1.99	
		<i>For >20' To 50', Add</i>	0.80	
		<i>For >200' To 500', Deduct</i>	-0.50	
		<i>For >500', Deduct</i>	-0.83	
		<i>For 28 Gauge, Deduct</i>	-0.92	
		<i>For 24 Gauge, Add</i>	0.92	
		<i>For 22 Gauge, Add</i>	1.83	
		<i>For 20 Gauge, Add</i>	2.75	
		<i>For 18 Gauge, Add</i>	3.65	
		<i>For 16 Gauge, Add</i>	4.48	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.91	
		<i>For Work In Restricted Working Space, Add</i>	4.64	
		<i>For Elevated Installation >10' To 15', Add</i>	1.55	
		<i>For Elevated Installation >15' To 20', Add</i>	3.09	
		<i>For Elevated Installation >20' To 25', Add</i>	3.86	
		<i>For Elevated Installation >25' To 30', Add</i>	5.41	
		<i>For Elevated Installation >30' To 35', Add</i>	6.18	
		<i>For Elevated Installation >35' To 40', Add</i>	7.73	
		<i>For Elevated Installation >40', Add</i>	8.50	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	26.84	13.73
		<i>For Seal Class B, Add</i>	2.90	
		<i>For Seal Class A, Add</i>	7.72	
		<i>For Up To 20', Add</i>	2.26	
		<i>For >20' To 50', Add</i>	0.90	
		<i>For >200' To 500', Deduct</i>	-0.57	
		<i>For >500', Deduct</i>	-0.94	
		<i>For 28 Gauge, Deduct</i>	-1.04	
		<i>For 24 Gauge, Add</i>	1.04	
		<i>For 22 Gauge, Add</i>	2.08	
		<i>For 20 Gauge, Add</i>	3.12	
		<i>For 18 Gauge, Add</i>	4.15	
		<i>For 16 Gauge, Add</i>	5.09	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.58	
		<i>For Work In Restricted Working Space, Add</i>	5.79	
		<i>For Elevated Installation >10' To 15', Add</i>	1.93	
		<i>For Elevated Installation >15' To 20', Add</i>	3.86	
		<i>For Elevated Installation >20' To 25', Add</i>	4.83	
		<i>For Elevated Installation >25' To 30', Add</i>	6.76	
		<i>For Elevated Installation >30' To 35', Add</i>	7.72	
		<i>For Elevated Installation >35' To 40', Add</i>	9.65	
		<i>For Elevated Installation >40', Add</i>	10.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0011 LF 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	36.10	18.40
For Seal Class B, Add	3.86	
For Seal Class A, Add	10.30	
For Up To 20', Add	3.11	
For >20' To 50', Add	1.24	
For >200' To 500', Deduct	-0.78	
For >500', Deduct	-1.30	
For 28 Gauge, Deduct	-1.43	
For 24 Gauge, Add	1.43	
For 22 Gauge, Add	2.85	
For 20 Gauge, Add	4.29	
For 18 Gauge, Add	5.70	
For 16 Gauge, Add	6.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.67	
For Work In Restricted Working Space, Add	7.72	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.15	
For Elevated Installation >20' To 25', Add	6.44	
For Elevated Installation >25' To 30', Add	9.01	
For Elevated Installation >30' To 35', Add	10.30	
For Elevated Installation >35' To 40', Add	12.87	
For Elevated Installation >40', Add	14.16	
23 31 13 16-0012 LF 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	50.91	22.11
For Up To 20', Add	6.01	
For >20' To 50', Add	2.40	
For >200' To 500', Deduct	-1.50	
For >500', Deduct	-2.50	
For 28 Gauge, Deduct	-2.77	
For 24 Gauge, Add	2.76	
For 22 Gauge, Add	5.52	
For 20 Gauge, Add	8.29	
For 18 Gauge, Add	11.01	
For 16 Gauge, Add	13.51	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.81	
For Work In Restricted Working Space, Add	9.27	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.72	
For Elevated Installation >25' To 30', Add	10.81	
For Elevated Installation >30' To 35', Add	12.36	
For Elevated Installation >35' To 40', Add	15.45	
For Elevated Installation >40', Add	16.99	
23 31 13 16-0013 LF 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	58.04	25.54
For Up To 20', Add	6.71	
For >20' To 50', Add	2.68	
For >200' To 500', Deduct	-1.68	
For >500', Deduct	-2.79	
For 28 Gauge, Deduct	-3.10	
For 24 Gauge, Add	3.08	
For 22 Gauge, Add	6.16	
For 20 Gauge, Add	9.25	
For 18 Gauge, Add	12.29	
For 16 Gauge, Add	15.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.54	
For Work In Restricted Working Space, Add	10.71	
For Elevated Installation >10' To 15', Add	3.57	
For Elevated Installation >15' To 20', Add	7.14	
For Elevated Installation >20' To 25', Add	8.92	
For Elevated Installation >25' To 30', Add	12.49	
For Elevated Installation >30' To 35', Add	14.28	
For Elevated Installation >35' To 40', Add	17.85	
For Elevated Installation >40', Add	19.63	
23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows (23 31 13 16-0001)		
Note: Up to 90 degree.		
23 31 13 16-0015 EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	43.26	18.33
For Seal Class B, Add	5.50	
For Seal Class A, Add	14.66	
For 28 Gauge, Deduct	-0.91	
For 24 Gauge, Add	0.91	
For 22 Gauge, Add	1.82	
For 20 Gauge, Add	2.73	
For 18 Gauge, Add	3.63	
For 16 Gauge, Add	4.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
For Work In Restricted Working Space, Add	11.00	
For Elevated Installation >10' To 15', Add	3.67	
For Elevated Installation >15' To 20', Add	7.33	
For Elevated Installation >20' To 25', Add	9.17	
For Elevated Installation >25' To 30', Add	12.83	
For Elevated Installation >30' To 35', Add	14.66	
For Elevated Installation >35' To 40', Add	18.33	
For Elevated Installation >40', Add	20.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0016	EA		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	49.47	21.14
			<i>For Seal Class B, Add</i>	6.34	
			<i>For Seal Class A, Add</i>	16.92	
			<i>For 28 Gauge, Deduct</i>	-0.99	
			<i>For 24 Gauge, Add</i>	0.99	
			<i>For 22 Gauge, Add</i>	1.98	
			<i>For 20 Gauge, Add</i>	2.97	
			<i>For 18 Gauge, Add</i>	3.95	
			<i>For 16 Gauge, Add</i>	4.85	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.31	
			<i>For Work In Restricted Working Space, Add</i>	12.69	
			<i>For Elevated Installation >10' To 15', Add</i>	4.23	
			<i>For Elevated Installation >15' To 20', Add</i>	8.46	
			<i>For Elevated Installation >20' To 25', Add</i>	10.57	
			<i>For Elevated Installation >25' To 30', Add</i>	14.80	
			<i>For Elevated Installation >30' To 35', Add</i>	16.92	
			<i>For Elevated Installation >35' To 40', Add</i>	21.15	
			<i>For Elevated Installation >40', Add</i>	23.26	
23 31 13 16-0017	EA		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	58.05	24.99
			<i>For Seal Class B, Add</i>	7.50	
			<i>For Seal Class A, Add</i>	19.99	
			<i>For 28 Gauge, Deduct</i>	-1.12	
			<i>For 24 Gauge, Add</i>	1.12	
			<i>For 22 Gauge, Add</i>	2.23	
			<i>For 20 Gauge, Add</i>	3.35	
			<i>For 18 Gauge, Add</i>	4.44	
			<i>For 16 Gauge, Add</i>	5.45	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	14.99	
			<i>For Elevated Installation >10' To 15', Add</i>	5.00	
			<i>For Elevated Installation >15' To 20', Add</i>	9.99	
			<i>For Elevated Installation >20' To 25', Add</i>	12.49	
			<i>For Elevated Installation >25' To 30', Add</i>	17.49	
			<i>For Elevated Installation >30' To 35', Add</i>	19.99	
			<i>For Elevated Installation >35' To 40', Add</i>	24.99	
			<i>For Elevated Installation >40', Add</i>	27.48	
23 31 13 16-0018	EA		7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	74.17	32.13
			<i>For Seal Class B, Add</i>	9.64	
			<i>For Seal Class A, Add</i>	25.70	
			<i>For 28 Gauge, Deduct</i>	-1.37	
			<i>For 24 Gauge, Add</i>	1.37	
			<i>For 22 Gauge, Add</i>	2.73	
			<i>For 20 Gauge, Add</i>	4.11	
			<i>For 18 Gauge, Add</i>	5.46	
			<i>For 16 Gauge, Add</i>	6.70	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	19.28	
			<i>For Elevated Installation >10' To 15', Add</i>	6.43	
			<i>For Elevated Installation >15' To 20', Add</i>	12.85	
			<i>For Elevated Installation >20' To 25', Add</i>	16.06	
			<i>For Elevated Installation >25' To 30', Add</i>	22.49	
			<i>For Elevated Installation >30' To 35', Add</i>	25.70	
			<i>For Elevated Installation >35' To 40', Add</i>	32.13	
			<i>For Elevated Installation >40', Add</i>	35.34	
23 31 13 16-0019	EA		8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	88.98	39.13
			<i>For Seal Class B, Add</i>	11.74	
			<i>For Seal Class A, Add</i>	31.30	
			<i>For 28 Gauge, Deduct</i>	-1.48	
			<i>For 24 Gauge, Add</i>	1.48	
			<i>For 22 Gauge, Add</i>	2.95	
			<i>For 20 Gauge, Add</i>	4.44	
			<i>For 18 Gauge, Add</i>	5.90	
			<i>For 16 Gauge, Add</i>	7.24	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	23.48	
			<i>For Elevated Installation >10' To 15', Add</i>	7.83	
			<i>For Elevated Installation >15' To 20', Add</i>	15.65	
			<i>For Elevated Installation >20' To 25', Add</i>	19.57	
			<i>For Elevated Installation >25' To 30', Add</i>	27.39	
			<i>For Elevated Installation >30' To 35', Add</i>	31.30	
			<i>For Elevated Installation >35' To 40', Add</i>	39.13	
			<i>For Elevated Installation >40', Add</i>	43.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0020 EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	136.35	61.10
For Seal Class B, Add	18.33	
For Seal Class A, Add	48.88	
For 28 Gauge, Deduct	-1.96	
For 24 Gauge, Add	1.95	
For 22 Gauge, Add	3.90	
For 20 Gauge, Add	5.86	
For 18 Gauge, Add	7.78	
For 16 Gauge, Add	9.55	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.47	
For Work In Restricted Working Space, Add	36.66	
For Elevated Installation >10' To 15', Add	12.22	
For Elevated Installation >15' To 20', Add	24.44	
For Elevated Installation >20' To 25', Add	30.55	
For Elevated Installation >25' To 30', Add	42.77	
For Elevated Installation >30' To 35', Add	48.88	
For Elevated Installation >35' To 40', Add	61.10	
For Elevated Installation >40', Add	67.21	
23 31 13 16-0021 EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	188.05	84.44
For Seal Class B, Add	25.33	
For Seal Class A, Add	67.55	
For 28 Gauge, Deduct	-2.66	
For 24 Gauge, Add	2.65	
For 22 Gauge, Add	5.28	
For 20 Gauge, Add	7.94	
For 18 Gauge, Add	10.54	
For 16 Gauge, Add	12.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.19	
For Work In Restricted Working Space, Add	50.66	
For Elevated Installation >10' To 15', Add	16.89	
For Elevated Installation >15' To 20', Add	33.78	
For Elevated Installation >20' To 25', Add	42.22	
For Elevated Installation >25' To 30', Add	59.11	
For Elevated Installation >30' To 35', Add	67.55	
For Elevated Installation >35' To 40', Add	84.44	
For Elevated Installation >40', Add	92.88	
23 31 13 16-0022 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	229.15	99.88
For Seal Class B, Add	29.97	
For Seal Class A, Add	79.91	
For 28 Gauge, Deduct	-4.07	
For 24 Gauge, Add	4.05	
For 22 Gauge, Add	8.09	
For 20 Gauge, Add	12.16	
For 18 Gauge, Add	16.16	
For 16 Gauge, Add	19.83	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.74	
For Work In Restricted Working Space, Add	59.93	
For Elevated Installation >10' To 15', Add	19.98	
For Elevated Installation >15' To 20', Add	39.95	
For Elevated Installation >20' To 25', Add	49.94	
For Elevated Installation >25' To 30', Add	69.92	
For Elevated Installation >30' To 35', Add	79.91	
For Elevated Installation >35' To 40', Add	99.89	
For Elevated Installation >40', Add	109.87	
23 31 13 16-0023 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	261.79	109.84
For Seal Class B, Add	32.95	
For Seal Class A, Add	87.87	
For 28 Gauge, Deduct	-5.83	
For 24 Gauge, Add	5.81	
For 22 Gauge, Add	11.60	
For 20 Gauge, Add	17.43	
For 18 Gauge, Add	23.16	
For 16 Gauge, Add	28.42	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.16	
For Work In Restricted Working Space, Add	65.90	
For Elevated Installation >10' To 15', Add	21.97	
For Elevated Installation >15' To 20', Add	43.94	
For Elevated Installation >20' To 25', Add	54.92	
For Elevated Installation >25' To 30', Add	76.89	
For Elevated Installation >30' To 35', Add	87.87	
For Elevated Installation >35' To 40', Add	109.84	
For Elevated Installation >40', Add	120.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0024	EA		18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	291.66	114.30
			<i>For Seal Class B, Add</i>	34.29	
			<i>For Seal Class A, Add</i>	91.44	
			<i>For 28 Gauge, Deduct</i>	-8.73	
			<i>For 24 Gauge, Add</i>	8.70	
			<i>For 22 Gauge, Add</i>	17.37	
			<i>For 20 Gauge, Add</i>	26.10	
			<i>For 18 Gauge, Add</i>	34.68	
			<i>For 16 Gauge, Add</i>	42.56	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	46.66	
			<i>For Work In Restricted Working Space, Add</i>	68.58	
			<i>For Elevated Installation >10' To 15', Add</i>	22.86	
			<i>For Elevated Installation >15' To 20', Add</i>	45.72	
			<i>For Elevated Installation >20' To 25', Add</i>	57.15	
			<i>For Elevated Installation >25' To 30', Add</i>	80.01	
			<i>For Elevated Installation >30' To 35', Add</i>	91.44	
			<i>For Elevated Installation >35' To 40', Add</i>	114.31	
			<i>For Elevated Installation >40', Add</i>	125.74	
23 31 13 16-0025	EA		20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	320.23	118.08
			<i>For Seal Class B, Add</i>	35.42	
			<i>For Seal Class A, Add</i>	94.46	
			<i>For 28 Gauge, Deduct</i>	-11.64	
			<i>For 24 Gauge, Add</i>	11.60	
			<i>For 22 Gauge, Add</i>	23.16	
			<i>For 20 Gauge, Add</i>	34.80	
			<i>For 18 Gauge, Add</i>	46.24	
			<i>For 16 Gauge, Add</i>	56.75	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	62.21	
			<i>For Work In Restricted Working Space, Add</i>	70.85	
			<i>For Elevated Installation >10' To 15', Add</i>	23.62	
			<i>For Elevated Installation >15' To 20', Add</i>	47.23	
			<i>For Elevated Installation >20' To 25', Add</i>	59.04	
			<i>For Elevated Installation >25' To 30', Add</i>	82.66	
			<i>For Elevated Installation >30' To 35', Add</i>	94.46	
			<i>For Elevated Installation >35' To 40', Add</i>	118.08	
			<i>For Elevated Installation >40', Add</i>	129.89	
23 31 13 16-0026			Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0027	EA		4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	36.44	12.36
			<i>For Seal Class B, Add</i>	4.63	
			<i>For Seal Class A, Add</i>	12.36	
			<i>For 28 Gauge, Deduct</i>	-0.77	
			<i>For 24 Gauge, Add</i>	0.77	
			<i>For 22 Gauge, Add</i>	1.53	
			<i>For 20 Gauge, Add</i>	2.30	
			<i>For 18 Gauge, Add</i>	3.05	
			<i>For 16 Gauge, Add</i>	3.75	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	9.27	
			<i>For Elevated Installation >10' To 15', Add</i>	3.09	
			<i>For Elevated Installation >15' To 20', Add</i>	6.18	
			<i>For Elevated Installation >20' To 25', Add</i>	7.72	
			<i>For Elevated Installation >25' To 30', Add</i>	10.81	
			<i>For Elevated Installation >30' To 35', Add</i>	12.36	
			<i>For Elevated Installation >35' To 40', Add</i>	15.45	
			<i>For Elevated Installation >40', Add</i>	16.99	
23 31 13 16-0028	EA		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	41.63	14.14
			<i>For Seal Class B, Add</i>	5.30	
			<i>For Seal Class A, Add</i>	14.12	
			<i>For 28 Gauge, Deduct</i>	-0.88	
			<i>For 24 Gauge, Add</i>	0.87	
			<i>For 22 Gauge, Add</i>	1.74	
			<i>For 20 Gauge, Add</i>	2.62	
			<i>For 18 Gauge, Add</i>	3.48	
			<i>For 16 Gauge, Add</i>	4.27	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	10.59	
			<i>For Elevated Installation >10' To 15', Add</i>	3.53	
			<i>For Elevated Installation >15' To 20', Add</i>	7.06	
			<i>For Elevated Installation >20' To 25', Add</i>	8.83	
			<i>For Elevated Installation >25' To 30', Add</i>	12.36	
			<i>For Elevated Installation >30' To 35', Add</i>	14.12	
			<i>For Elevated Installation >35' To 40', Add</i>	17.66	
			<i>For Elevated Installation >40', Add</i>	19.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0029 EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	48.39	16.48
For Seal Class B, Add	6.18	
For Seal Class A, Add	16.48	
For 28 Gauge, Deduct	-1.00	
For 24 Gauge, Add	0.99	
For 22 Gauge, Add	1.98	
For 20 Gauge, Add	2.98	
For 18 Gauge, Add	3.96	
For 16 Gauge, Add	4.66	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.33	
For Work In Restricted Working Space, Add	12.36	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.24	
For Elevated Installation >20' To 25', Add	10.30	
For Elevated Installation >25' To 30', Add	14.42	
For Elevated Installation >30' To 35', Add	16.48	
For Elevated Installation >35' To 40', Add	20.60	
For Elevated Installation >40', Add	22.65	
23 31 13 16-0030 EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	57.06	19.77
For Seal Class B, Add	7.41	
For Seal Class A, Add	19.77	
For 28 Gauge, Deduct	-1.06	
For 24 Gauge, Add	1.05	
For 22 Gauge, Add	2.10	
For 20 Gauge, Add	3.16	
For 18 Gauge, Add	4.20	
For 16 Gauge, Add	5.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.65	
For Work In Restricted Working Space, Add	14.83	
For Elevated Installation >10' To 15', Add	4.94	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.30	
For Elevated Installation >30' To 35', Add	19.77	
For Elevated Installation >35' To 40', Add	24.72	
For Elevated Installation >40', Add	27.19	
23 31 13 16-0031 EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	70.64	24.71
For Seal Class B, Add	9.27	
For Seal Class A, Add	24.72	
For 28 Gauge, Deduct	-1.23	
For 24 Gauge, Add	1.22	
For 22 Gauge, Add	2.44	
For 20 Gauge, Add	3.66	
For 18 Gauge, Add	4.87	
For 16 Gauge, Add	5.97	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.55	
For Work In Restricted Working Space, Add	18.54	
For Elevated Installation >10' To 15', Add	6.18	
For Elevated Installation >15' To 20', Add	12.36	
For Elevated Installation >20' To 25', Add	15.45	
For Elevated Installation >25' To 30', Add	21.63	
For Elevated Installation >30' To 35', Add	24.72	
For Elevated Installation >35' To 40', Add	30.90	
For Elevated Installation >40', Add	33.98	
23 31 13 16-0032 EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	95.03	32.95
For Seal Class B, Add	12.36	
For Seal Class A, Add	32.95	
For 28 Gauge, Deduct	-1.75	
For 24 Gauge, Add	1.75	
For 22 Gauge, Add	3.49	
For 20 Gauge, Add	5.24	
For 18 Gauge, Add	6.96	
For 16 Gauge, Add	8.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.36	
For Work In Restricted Working Space, Add	24.71	
For Elevated Installation >10' To 15', Add	8.24	
For Elevated Installation >15' To 20', Add	16.48	
For Elevated Installation >20' To 25', Add	20.60	
For Elevated Installation >25' To 30', Add	28.83	
For Elevated Installation >30' To 35', Add	32.95	
For Elevated Installation >35' To 40', Add	41.19	
For Elevated Installation >40', Add	45.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033	EA		12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	140.31	49.43
			<i>For Seal Class B, Add</i>	18.54	
			<i>For Seal Class A, Add</i>	49.43	
			<i>For 28 Gauge, Deduct</i>	-2.32	
			<i>For 24 Gauge, Add</i>	2.31	
			<i>For 22 Gauge, Add</i>	4.61	
			<i>For 20 Gauge, Add</i>	6.93	
			<i>For 18 Gauge, Add</i>	9.21	
			<i>For 16 Gauge, Add</i>	11.30	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.39	
			<i>For Work In Restricted Working Space, Add</i>	37.07	
			<i>For Elevated Installation >10' To 15', Add</i>	12.36	
			<i>For Elevated Installation >15' To 20', Add</i>	24.71	
			<i>For Elevated Installation >20' To 25', Add</i>	30.89	
			<i>For Elevated Installation >25' To 30', Add</i>	43.25	
			<i>For Elevated Installation >30' To 35', Add</i>	49.43	
			<i>For Elevated Installation >35' To 40', Add</i>	61.79	
			<i>For Elevated Installation >40', Add</i>	67.96	
23 31 13 16-0034	EA		14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	189.23	63.16
			<i>For Seal Class B, Add</i>	23.69	
			<i>For Seal Class A, Add</i>	63.16	
			<i>For 28 Gauge, Deduct</i>	-4.34	
			<i>For 24 Gauge, Add</i>	4.32	
			<i>For 22 Gauge, Add</i>	8.63	
			<i>For 20 Gauge, Add</i>	12.97	
			<i>For 18 Gauge, Add</i>	17.23	
			<i>For 16 Gauge, Add</i>	21.15	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.18	
			<i>For Work In Restricted Working Space, Add</i>	47.37	
			<i>For Elevated Installation >10' To 15', Add</i>	15.79	
			<i>For Elevated Installation >15' To 20', Add</i>	31.58	
			<i>For Elevated Installation >20' To 25', Add</i>	39.48	
			<i>For Elevated Installation >25' To 30', Add</i>	55.27	
			<i>For Elevated Installation >30' To 35', Add</i>	63.16	
			<i>For Elevated Installation >35' To 40', Add</i>	78.95	
			<i>For Elevated Installation >40', Add</i>	86.85	
23 31 13 16-0035	EA		16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	237.43	79.63
			<i>For Seal Class B, Add</i>	29.86	
			<i>For Seal Class A, Add</i>	79.64	
			<i>For 28 Gauge, Deduct</i>	-5.31	
			<i>For 24 Gauge, Add</i>	5.29	
			<i>For 22 Gauge, Add</i>	10.56	
			<i>For 20 Gauge, Add</i>	15.87	
			<i>For 18 Gauge, Add</i>	21.09	
			<i>For 16 Gauge, Add</i>	25.88	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.37	
			<i>For Work In Restricted Working Space, Add</i>	59.73	
			<i>For Elevated Installation >10' To 15', Add</i>	19.91	
			<i>For Elevated Installation >15' To 20', Add</i>	39.82	
			<i>For Elevated Installation >20' To 25', Add</i>	49.77	
			<i>For Elevated Installation >25' To 30', Add</i>	69.68	
			<i>For Elevated Installation >30' To 35', Add</i>	79.64	
			<i>For Elevated Installation >35' To 40', Add</i>	99.55	
			<i>For Elevated Installation >40', Add</i>	109.50	
23 31 13 16-0036	EA		18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	266.88	83.06
			<i>For Seal Class B, Add</i>	31.10	
			<i>For Seal Class A, Add</i>	82.93	
			<i>For 28 Gauge, Deduct</i>	-8.25	
			<i>For 24 Gauge, Add</i>	8.22	
			<i>For 22 Gauge, Add</i>	16.41	
			<i>For 20 Gauge, Add</i>	24.65	
			<i>For 18 Gauge, Add</i>	32.75	
			<i>For 16 Gauge, Add</i>	40.20	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	44.07	
			<i>For Work In Restricted Working Space, Add</i>	62.20	
			<i>For Elevated Installation >10' To 15', Add</i>	20.73	
			<i>For Elevated Installation >15' To 20', Add</i>	41.47	
			<i>For Elevated Installation >20' To 25', Add</i>	51.83	
			<i>For Elevated Installation >25' To 30', Add</i>	72.57	
			<i>For Elevated Installation >30' To 35', Add</i>	82.93	
			<i>For Elevated Installation >35' To 40', Add</i>	103.67	
			<i>For Elevated Installation >40', Add</i>	114.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037 EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	292.22	85.13
For Seal Class B, Add	31.92	
For Seal Class A, Add	85.13	
For 28 Gauge, Deduct	-11.00	
For 24 Gauge, Add	10.96	
For 22 Gauge, Add	21.87	
For 20 Gauge, Add	32.87	
For 18 Gauge, Add	43.67	
For 16 Gauge, Add	53.60	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.76	
For Work In Restricted Working Space, Add	63.85	
For Elevated Installation >10' To 15', Add	21.28	
For Elevated Installation >15' To 20', Add	42.56	
For Elevated Installation >20' To 25', Add	53.21	
For Elevated Installation >25' To 30', Add	74.49	
For Elevated Installation >30' To 35', Add	85.13	
For Elevated Installation >35' To 40', Add	106.41	
For Elevated Installation >40', Add	117.05	
23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0039 EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	34.37	12.36
For Seal Class B, Add	4.63	
For Seal Class A, Add	12.36	
For 28 Gauge, Deduct	-0.48	
For 24 Gauge, Add	0.48	
For 22 Gauge, Add	0.96	
For 20 Gauge, Add	1.44	
For 18 Gauge, Add	1.91	
For 16 Gauge, Add	2.35	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.58	
For Work In Restricted Working Space, Add	9.27	
For Elevated Installation >10' To 15', Add	3.09	
For Elevated Installation >15' To 20', Add	6.18	
For Elevated Installation >20' To 25', Add	7.72	
For Elevated Installation >25' To 30', Add	10.81	
For Elevated Installation >30' To 35', Add	12.36	
For Elevated Installation >35' To 40', Add	15.45	
For Elevated Installation >40', Add	16.99	
23 31 13 16-0040 EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	39.79	14.14
For Seal Class B, Add	5.30	
For Seal Class A, Add	14.12	
For 28 Gauge, Deduct	-0.62	
For 24 Gauge, Add	0.62	
For 22 Gauge, Add	1.23	
For 20 Gauge, Add	1.85	
For 18 Gauge, Add	2.46	
For 16 Gauge, Add	3.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.32	
For Work In Restricted Working Space, Add	10.59	
For Elevated Installation >10' To 15', Add	3.53	
For Elevated Installation >15' To 20', Add	7.06	
For Elevated Installation >20' To 25', Add	8.83	
For Elevated Installation >25' To 30', Add	12.36	
For Elevated Installation >30' To 35', Add	14.12	
For Elevated Installation >35' To 40', Add	17.66	
For Elevated Installation >40', Add	19.42	
23 31 13 16-0041 EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	46.07	16.48
For Seal Class B, Add	6.18	
For Seal Class A, Add	16.48	
For 28 Gauge, Deduct	-0.68	
For 24 Gauge, Add	0.67	
For 22 Gauge, Add	1.34	
For 20 Gauge, Add	2.02	
For 18 Gauge, Add	2.68	
For 16 Gauge, Add	3.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.61	
For Work In Restricted Working Space, Add	12.36	
For Elevated Installation >10' To 15', Add	4.12	
For Elevated Installation >15' To 20', Add	8.24	
For Elevated Installation >20' To 25', Add	10.30	
For Elevated Installation >25' To 30', Add	14.42	
For Elevated Installation >30' To 35', Add	16.48	
For Elevated Installation >35' To 40', Add	20.60	
For Elevated Installation >40', Add	22.65	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0042	EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	55.09	19.77
	For Seal Class B, Add	7.41	
	For Seal Class A, Add	19.77	
	For 28 Gauge, Deduct	-0.78	
	For 24 Gauge, Add	0.78	
	For 22 Gauge, Add	1.56	
	For 20 Gauge, Add	2.34	
	For 18 Gauge, Add	3.11	
	For 16 Gauge, Add	3.82	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.19	
	For Work In Restricted Working Space, Add	14.83	
	For Elevated Installation >10' To 15', Add	4.94	
	For Elevated Installation >15' To 20', Add	9.89	
	For Elevated Installation >20' To 25', Add	12.36	
	For Elevated Installation >25' To 30', Add	17.30	
	For Elevated Installation >30' To 35', Add	19.77	
	For Elevated Installation >35' To 40', Add	24.72	
	For Elevated Installation >40', Add	27.19	
23 31 13 16-0043	EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	68.23	24.71
	For Seal Class B, Add	9.27	
	For Seal Class A, Add	24.72	
	For 28 Gauge, Deduct	-0.89	
	For 24 Gauge, Add	0.89	
	For 22 Gauge, Add	1.77	
	For 20 Gauge, Add	2.67	
	For 18 Gauge, Add	3.54	
	For 16 Gauge, Add	4.35	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.77	
	For Work In Restricted Working Space, Add	18.54	
	For Elevated Installation >10' To 15', Add	6.18	
	For Elevated Installation >15' To 20', Add	12.36	
	For Elevated Installation >20' To 25', Add	15.45	
	For Elevated Installation >25' To 30', Add	21.63	
	For Elevated Installation >30' To 35', Add	24.72	
	For Elevated Installation >35' To 40', Add	30.90	
	For Elevated Installation >40', Add	33.98	
23 31 13 16-0044	EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	92.21	32.95
	For Seal Class B, Add	12.36	
	For Seal Class A, Add	32.95	
	For 28 Gauge, Deduct	-1.36	
	For 24 Gauge, Add	1.36	
	For 22 Gauge, Add	2.71	
	For 20 Gauge, Add	4.07	
	For 18 Gauge, Add	5.41	
	For 16 Gauge, Add	6.64	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.27	
	For Work In Restricted Working Space, Add	24.71	
	For Elevated Installation >10' To 15', Add	8.24	
	For Elevated Installation >15' To 20', Add	16.48	
	For Elevated Installation >20' To 25', Add	20.60	
	For Elevated Installation >25' To 30', Add	28.83	
	For Elevated Installation >30' To 35', Add	32.95	
	For Elevated Installation >35' To 40', Add	41.19	
	For Elevated Installation >40', Add	45.31	
23 31 13 16-0045	EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	136.22	49.43
	For Seal Class B, Add	18.54	
	For Seal Class A, Add	49.43	
	For 28 Gauge, Deduct	-1.75	
	For 24 Gauge, Add	1.75	
	For 22 Gauge, Add	3.49	
	For 20 Gauge, Add	5.24	
	For 18 Gauge, Add	6.96	
	For 16 Gauge, Add	8.54	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.36	
	For Work In Restricted Working Space, Add	37.07	
	For Elevated Installation >10' To 15', Add	12.36	
	For Elevated Installation >15' To 20', Add	24.71	
	For Elevated Installation >20' To 25', Add	30.89	
	For Elevated Installation >25' To 30', Add	43.25	
	For Elevated Installation >30' To 35', Add	49.43	
	For Elevated Installation >35' To 40', Add	61.79	
	For Elevated Installation >40', Add	67.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0046 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	179.79	63.16
For Seal Class B, Add	23.69	
For Seal Class A, Add	63.16	
For 28 Gauge, Deduct	-3.03	
For 24 Gauge, Add	3.02	
For 22 Gauge, Add	6.03	
For 20 Gauge, Add	9.06	
For 18 Gauge, Add	12.04	
For 16 Gauge, Add	14.78	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.20	
For Work In Restricted Working Space, Add	47.37	
For Elevated Installation >10' To 15', Add	15.79	
For Elevated Installation >15' To 20', Add	31.58	
For Elevated Installation >20' To 25', Add	39.48	
For Elevated Installation >25' To 30', Add	55.27	
For Elevated Installation >30' To 35', Add	63.16	
For Elevated Installation >35' To 40', Add	78.95	
For Elevated Installation >40', Add	86.85	
23 31 13 16-0047 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	234.99	79.63
For Seal Class B, Add	29.86	
For Seal Class A, Add	79.64	
For 28 Gauge, Deduct	-4.97	
For 24 Gauge, Add	4.95	
For 22 Gauge, Add	9.89	
For 20 Gauge, Add	14.86	
For 18 Gauge, Add	19.75	
For 16 Gauge, Add	24.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.57	
For Work In Restricted Working Space, Add	59.73	
For Elevated Installation >10' To 15', Add	19.91	
For Elevated Installation >15' To 20', Add	39.82	
For Elevated Installation >20' To 25', Add	49.77	
For Elevated Installation >25' To 30', Add	69.68	
For Elevated Installation >30' To 35', Add	79.64	
For Elevated Installation >35' To 40', Add	99.55	
For Elevated Installation >40', Add	109.50	
23 31 13 16-0048 EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	250.73	83.06
For Seal Class B, Add	31.10	
For Seal Class A, Add	82.93	
For 28 Gauge, Deduct	-6.01	
For 24 Gauge, Add	5.99	
For 22 Gauge, Add	11.96	
For 20 Gauge, Add	17.97	
For 18 Gauge, Add	23.87	
For 16 Gauge, Add	29.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.12	
For Work In Restricted Working Space, Add	62.20	
For Elevated Installation >10' To 15', Add	20.73	
For Elevated Installation >15' To 20', Add	41.47	
For Elevated Installation >20' To 25', Add	51.83	
For Elevated Installation >25' To 30', Add	72.57	
For Elevated Installation >30' To 35', Add	82.93	
For Elevated Installation >35' To 40', Add	103.67	
For Elevated Installation >40', Add	114.03	
23 31 13 16-0049 EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	268.42	85.13
For Seal Class B, Add	31.92	
For Seal Class A, Add	85.13	
For 28 Gauge, Deduct	-7.70	
For 24 Gauge, Add	7.67	
For 22 Gauge, Add	15.32	
For 20 Gauge, Add	23.02	
For 18 Gauge, Add	30.58	
For 16 Gauge, Add	37.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.14	
For Work In Restricted Working Space, Add	63.85	
For Elevated Installation >10' To 15', Add	21.28	
For Elevated Installation >15' To 20', Add	42.56	
For Elevated Installation >20' To 25', Add	53.21	
For Elevated Installation >25' To 30', Add	74.49	
For Elevated Installation >30' To 35', Add	85.13	
For Elevated Installation >35' To 40', Add	106.41	
For Elevated Installation >40', Add	117.05	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees (23 31 13 16-0001)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0051	EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	54.10	18.54
	For Seal Class B, Add	6.95	
	For Seal Class A, Add	18.54	
	For 28 Gauge, Deduct	-1.07	
	For 24 Gauge, Add	1.07	
	For 22 Gauge, Add	2.14	
	For 20 Gauge, Add	3.21	
	For 18 Gauge, Add	4.27	
	For 16 Gauge, Add	5.24	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.74	
	For Work In Restricted Working Space, Add	13.90	
	For Elevated Installation >10' To 15', Add	4.63	
	For Elevated Installation >15' To 20', Add	9.27	
	For Elevated Installation >20' To 25', Add	11.59	
	For Elevated Installation >25' To 30', Add	16.22	
	For Elevated Installation >30' To 35', Add	18.54	
	For Elevated Installation >35' To 40', Add	23.17	
	For Elevated Installation >40', Add	25.49	
23 31 13 16-0052	EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	63.27	21.14
	For Seal Class B, Add	7.94	
	For Seal Class A, Add	21.18	
	For 28 Gauge, Deduct	-1.43	
	For 24 Gauge, Add	1.42	
	For 22 Gauge, Add	2.84	
	For 20 Gauge, Add	4.27	
	For 18 Gauge, Add	5.67	
	For 16 Gauge, Add	6.96	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.63	
	For Work In Restricted Working Space, Add	15.89	
	For Elevated Installation >10' To 15', Add	5.30	
	For Elevated Installation >15' To 20', Add	10.59	
	For Elevated Installation >20' To 25', Add	13.24	
	For Elevated Installation >25' To 30', Add	18.54	
	For Elevated Installation >30' To 35', Add	21.18	
	For Elevated Installation >35' To 40', Add	26.48	
	For Elevated Installation >40', Add	29.13	
23 31 13 16-0053	EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	72.98	24.71
	For Seal Class B, Add	9.27	
	For Seal Class A, Add	24.72	
	For 28 Gauge, Deduct	-1.55	
	For 24 Gauge, Add	1.54	
	For 22 Gauge, Add	3.08	
	For 20 Gauge, Add	4.63	
	For 18 Gauge, Add	6.15	
	For 16 Gauge, Add	7.55	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.28	
	For Work In Restricted Working Space, Add	18.54	
	For Elevated Installation >10' To 15', Add	6.18	
	For Elevated Installation >15' To 20', Add	12.36	
	For Elevated Installation >20' To 25', Add	15.45	
	For Elevated Installation >25' To 30', Add	21.63	
	For Elevated Installation >30' To 35', Add	24.72	
	For Elevated Installation >35' To 40', Add	30.90	
	For Elevated Installation >40', Add	33.98	
23 31 13 16-0054	EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	87.02	29.66
	For Seal Class B, Add	11.12	
	For Seal Class A, Add	29.66	
	For 28 Gauge, Deduct	-1.78	
	For 24 Gauge, Add	1.78	
	For 22 Gauge, Add	3.55	
	For 20 Gauge, Add	5.33	
	For 18 Gauge, Add	7.08	
	For 16 Gauge, Add	8.69	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.53	
	For Work In Restricted Working Space, Add	22.24	
	For Elevated Installation >10' To 15', Add	7.41	
	For Elevated Installation >15' To 20', Add	14.83	
	For Elevated Installation >20' To 25', Add	18.54	
	For Elevated Installation >25' To 30', Add	25.95	
	For Elevated Installation >30' To 35', Add	29.66	
	For Elevated Installation >35' To 40', Add	37.07	
	For Elevated Installation >40', Add	40.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0055 EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	113.51	37.08
For Seal Class B, Add	13.90	
For Seal Class A, Add	37.08	
For 28 Gauge, Deduct	-2.88	
For 24 Gauge, Add	2.87	
For 22 Gauge, Add	5.74	
For 20 Gauge, Add	8.62	
For 18 Gauge, Add	11.45	
For 16 Gauge, Add	14.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.41	
For Work In Restricted Working Space, Add	27.81	
For Elevated Installation >10' To 15', Add	9.27	
For Elevated Installation >15' To 20', Add	18.54	
For Elevated Installation >20' To 25', Add	23.17	
For Elevated Installation >25' To 30', Add	32.44	
For Elevated Installation >30' To 35', Add	37.08	
For Elevated Installation >35' To 40', Add	46.35	
For Elevated Installation >40', Add	50.98	
23 31 13 16-0056 EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	150.13	49.43
For Seal Class B, Add	18.54	
For Seal Class A, Add	49.43	
For 28 Gauge, Deduct	-3.68	
For 24 Gauge, Add	3.67	
For 22 Gauge, Add	7.32	
For 20 Gauge, Add	11.00	
For 18 Gauge, Add	14.61	
For 16 Gauge, Add	17.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.65	
For Work In Restricted Working Space, Add	37.07	
For Elevated Installation >10' To 15', Add	12.36	
For Elevated Installation >15' To 20', Add	24.71	
For Elevated Installation >20' To 25', Add	30.89	
For Elevated Installation >25' To 30', Add	43.25	
For Elevated Installation >30' To 35', Add	49.43	
For Elevated Installation >35' To 40', Add	61.79	
For Elevated Installation >40', Add	67.96	
23 31 13 16-0057 EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	211.88	74.14
For Seal Class B, Add	27.80	
For Seal Class A, Add	74.13	
For 28 Gauge, Deduct	-3.68	
For 24 Gauge, Add	3.67	
For 22 Gauge, Add	7.32	
For 20 Gauge, Add	11.00	
For 18 Gauge, Add	14.61	
For 16 Gauge, Add	17.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.65	
For Work In Restricted Working Space, Add	55.60	
For Elevated Installation >10' To 15', Add	18.53	
For Elevated Installation >15' To 20', Add	37.06	
For Elevated Installation >20' To 25', Add	46.33	
For Elevated Installation >25' To 30', Add	64.86	
For Elevated Installation >30' To 35', Add	74.13	
For Elevated Installation >35' To 40', Add	92.66	
For Elevated Installation >40', Add	101.93	
23 31 13 16-0058 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	287.32	94.46
For Seal Class B, Add	35.51	
For Seal Class A, Add	94.69	
For 28 Gauge, Deduct	-7.01	
For 24 Gauge, Add	6.98	
For 22 Gauge, Add	13.94	
For 20 Gauge, Add	20.95	
For 18 Gauge, Add	27.83	
For 16 Gauge, Add	34.16	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.44	
For Work In Restricted Working Space, Add	71.02	
For Elevated Installation >10' To 15', Add	23.67	
For Elevated Installation >15' To 20', Add	47.34	
For Elevated Installation >20' To 25', Add	59.18	
For Elevated Installation >25' To 30', Add	82.85	
For Elevated Installation >30' To 35', Add	94.69	
For Elevated Installation >35' To 40', Add	118.36	
For Elevated Installation >40', Add	130.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0059	EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	369.51	119.72
	For Seal Class B, Add	44.77	
	For Seal Class A, Add	119.39	
	For 28 Gauge, Deduct	-9.84	
	For 24 Gauge, Add	9.80	
	For 22 Gauge, Add	19.57	
	For 20 Gauge, Add	29.41	
	For 18 Gauge, Add	39.07	
	For 16 Gauge, Add	47.95	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	52.56	
	For Work In Restricted Working Space, Add	89.54	
	For Elevated Installation >10' To 15', Add	29.85	
	For Elevated Installation >15' To 20', Add	59.70	
	For Elevated Installation >20' To 25', Add	74.62	
	For Elevated Installation >25' To 30', Add	104.47	
	For Elevated Installation >30' To 35', Add	119.39	
	For Elevated Installation >35' To 40', Add	149.24	
	For Elevated Installation >40', Add	164.16	
23 31 13 16-0060	EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	424.13	133.19
	For Seal Class B, Add	50.05	
	For Seal Class A, Add	133.46	
	For 28 Gauge, Deduct	-12.53	
	For 24 Gauge, Add	12.49	
	For 22 Gauge, Add	24.93	
	For 20 Gauge, Add	37.46	
	For 18 Gauge, Add	49.77	
	For 16 Gauge, Add	61.08	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.96	
	For Work In Restricted Working Space, Add	100.09	
	For Elevated Installation >10' To 15', Add	33.36	
	For Elevated Installation >15' To 20', Add	66.73	
	For Elevated Installation >20' To 25', Add	83.41	
	For Elevated Installation >25' To 30', Add	116.77	
	For Elevated Installation >30' To 35', Add	133.46	
	For Elevated Installation >35' To 40', Add	166.82	
	For Elevated Installation >40', Add	183.50	
23 31 13 16-0061	EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	445.03	137.99
	For Seal Class B, Add	51.69	
	For Seal Class A, Add	137.85	
	For 28 Gauge, Deduct	-13.91	
	For 24 Gauge, Add	13.86	
	For 22 Gauge, Add	27.66	
	For 20 Gauge, Add	41.57	
	For 18 Gauge, Add	55.23	
	For 16 Gauge, Add	67.78	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	74.30	
	For Work In Restricted Working Space, Add	103.39	
	For Elevated Installation >10' To 15', Add	34.46	
	For Elevated Installation >15' To 20', Add	68.92	
	For Elevated Installation >20' To 25', Add	86.16	
	For Elevated Installation >25' To 30', Add	120.62	
	For Elevated Installation >30' To 35', Add	137.85	
	For Elevated Installation >35' To 40', Add	172.31	
	For Elevated Installation >40', Add	189.54	
23 31 13 16-0062	Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)	24.58	
23 31 13 16-0063	EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	3.30	
	For Seal Class B, Add	8.79	
	For Seal Class A, Add	6.59	
	For Work In Restricted Working Space, Add	2.20	
	For Elevated Installation >10' To 15', Add	4.39	
	For Elevated Installation >15' To 20', Add	5.49	
	For Elevated Installation >20' To 25', Add	7.69	
	For Elevated Installation >25' To 30', Add	8.79	
	For Elevated Installation >30' To 35', Add	10.99	
	For Elevated Installation >35' To 40', Add	12.08	
23 31 13 16-0064	EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	3.46	
	For Seal Class B, Add	9.24	
	For Seal Class A, Add	6.93	
	For Work In Restricted Working Space, Add	2.31	
	For Elevated Installation >10' To 15', Add	4.62	
	For Elevated Installation >15' To 20', Add	5.77	
	For Elevated Installation >20' To 25', Add	8.08	
	For Elevated Installation >25' To 30', Add	9.24	
	For Elevated Installation >30' To 35', Add	11.55	
	For Elevated Installation >35' To 40', Add	12.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0065 EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	27.73	
For Seal Class B, Add	3.71	
For Seal Class A, Add	9.88	
For Work In Restricted Working Space, Add	7.41	
For Elevated Installation >10' To 15', Add	2.47	
For Elevated Installation >15' To 20', Add	4.94	
For Elevated Installation >20' To 25', Add	6.18	
For Elevated Installation >25' To 30', Add	8.65	
For Elevated Installation >30' To 35', Add	9.88	
For Elevated Installation >35' To 40', Add	12.36	
For Elevated Installation >40', Add	13.59	
23 31 13 16-0066 EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	29.53	
For Seal Class B, Add	3.91	
For Seal Class A, Add	10.44	
For Work In Restricted Working Space, Add	7.83	
For Elevated Installation >10' To 15', Add	2.61	
For Elevated Installation >15' To 20', Add	5.22	
For Elevated Installation >20' To 25', Add	6.52	
For Elevated Installation >25' To 30', Add	9.13	
For Elevated Installation >30' To 35', Add	10.44	
For Elevated Installation >35' To 40', Add	13.05	
For Elevated Installation >40', Add	14.35	
23 31 13 16-0067 EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	32.03	
For Seal Class B, Add	4.22	
For Seal Class A, Add	11.26	
For Work In Restricted Working Space, Add	8.44	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.63	
For Elevated Installation >20' To 25', Add	7.04	
For Elevated Installation >25' To 30', Add	9.85	
For Elevated Installation >30' To 35', Add	11.26	
For Elevated Installation >35' To 40', Add	14.07	
For Elevated Installation >40', Add	15.48	
23 31 13 16-0068 EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	37.57	
For Seal Class B, Add	4.72	
For Seal Class A, Add	12.58	
For Work In Restricted Working Space, Add	9.43	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.29	
For Elevated Installation >20' To 25', Add	7.86	
For Elevated Installation >25' To 30', Add	11.00	
For Elevated Installation >30' To 35', Add	12.58	
For Elevated Installation >35' To 40', Add	15.72	
For Elevated Installation >40', Add	17.29	
23 31 13 16-0069 EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	51.33	
For Seal Class B, Add	6.59	
For Seal Class A, Add	17.58	
For Work In Restricted Working Space, Add	13.18	
For Elevated Installation >10' To 15', Add	4.39	
For Elevated Installation >15' To 20', Add	8.79	
For Elevated Installation >20' To 25', Add	10.99	
For Elevated Installation >25' To 30', Add	15.38	
For Elevated Installation >30' To 35', Add	17.58	
For Elevated Installation >35' To 40', Add	21.97	
For Elevated Installation >40', Add	24.17	
23 31 13 16-0070 EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	58.59	
For Seal Class B, Add	7.50	
For Seal Class A, Add	20.00	
For Work In Restricted Working Space, Add	15.00	
For Elevated Installation >10' To 15', Add	5.00	
For Elevated Installation >15' To 20', Add	10.00	
For Elevated Installation >20' To 25', Add	12.50	
For Elevated Installation >25' To 30', Add	17.50	
For Elevated Installation >30' To 35', Add	20.00	
For Elevated Installation >35' To 40', Add	25.00	
For Elevated Installation >40', Add	27.49	
23 31 13 16-0071 EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	64.43	
For Seal Class B, Add	8.22	
For Seal Class A, Add	21.92	
For Work In Restricted Working Space, Add	16.44	
For Elevated Installation >10' To 15', Add	5.48	
For Elevated Installation >15' To 20', Add	10.96	
For Elevated Installation >20' To 25', Add	13.70	
For Elevated Installation >25' To 30', Add	19.18	
For Elevated Installation >30' To 35', Add	21.92	
For Elevated Installation >35' To 40', Add	27.40	
For Elevated Installation >40', Add	30.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0072	EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	70.08	
	For Seal Class B, Add	8.90	
	For Seal Class A, Add	23.73	
	For Work In Restricted Working Space, Add	17.80	
	For Elevated Installation >10' To 15', Add	5.93	
	For Elevated Installation >15' To 20', Add	11.86	
	For Elevated Installation >20' To 25', Add	14.83	
	For Elevated Installation >25' To 30', Add	20.76	
	For Elevated Installation >30' To 35', Add	23.73	
	For Elevated Installation >35' To 40', Add	29.66	
	For Elevated Installation >40', Add	32.63	
23 31 13 16-0073	EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	76.35	
	For Seal Class B, Add	9.70	
	For Seal Class A, Add	25.87	
	For Work In Restricted Working Space, Add	19.40	
	For Elevated Installation >10' To 15', Add	6.47	
	For Elevated Installation >15' To 20', Add	12.93	
	For Elevated Installation >20' To 25', Add	16.17	
	For Elevated Installation >25' To 30', Add	22.63	
	For Elevated Installation >30' To 35', Add	25.87	
	For Elevated Installation >35' To 40', Add	32.34	
	For Elevated Installation >40', Add	35.57	
23 31 13 16-0074	Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0075	Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)		
23 31 13 16-0076	LF 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	11.98	1.26
	For Seal Class B, Add	1.02	
	For Seal Class A, Add	2.72	
	For Up To 20', Add	1.56	
	For >20' To 50', Add	0.62	
	For >200' To 500', Deduct	-0.39	
	For >500', Deduct	-0.65	
	For 24 Gauge, Add	1.04	
	For 22 Gauge, Add	2.39	
	For 20 Gauge, Add	3.89	
	For 18 Gauge, Add	5.97	
	For 16 Gauge, Add	7.27	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.84	
	For Work In Restricted Working Space, Add	2.04	
23 31 13 16-0077	LF 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	15.66	2.53
	For Seal Class B, Add	1.22	
	For Seal Class A, Add	3.26	
	For Up To 20', Add	2.25	
	For >20' To 50', Add	0.90	
	For >200' To 500', Deduct	-0.56	
	For >500', Deduct	-0.94	
	For 24 Gauge, Add	1.50	
	For 22 Gauge, Add	3.45	
	For 20 Gauge, Add	5.63	
	For 18 Gauge, Add	8.64	
	For 16 Gauge, Add	10.51	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.56	
	For Work In Restricted Working Space, Add	2.45	
23 31 13 16-0078	LF 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	20.01	2.53
	For Seal Class B, Add	1.52	
	For Seal Class A, Add	4.04	
	For Up To 20', Add	2.97	
	For >20' To 50', Add	1.19	
	For >200' To 500', Deduct	-0.74	
	For >500', Deduct	-1.24	
	For 24 Gauge, Add	1.98	
	For 22 Gauge, Add	4.55	
	For 20 Gauge, Add	7.43	
	For 18 Gauge, Add	11.39	
	For 16 Gauge, Add	13.86	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.33	
	For Work In Restricted Working Space, Add	3.03	
23 31 13 16-0079	LF 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	24.36	2.53
	For Seal Class B, Add	1.82	
	For Seal Class A, Add	4.86	
	For Up To 20', Add	3.67	
	For >20' To 50', Add	1.47	
	For >200' To 500', Deduct	-0.92	
	For >500', Deduct	-1.53	
	For 24 Gauge, Add	2.44	
	For 22 Gauge, Add	5.62	
	For 20 Gauge, Add	9.17	
	For 18 Gauge, Add	14.05	
	For 16 Gauge, Add	17.11	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.04	
	For Work In Restricted Working Space, Add	3.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0080 LF 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	30.22	3.80
For Seal Class B, Add	2.28	
For Seal Class A, Add	6.08	
For Up To 20', Add	4.51	
For >20' To 50', Add	1.80	
For >200' To 500', Deduct	-1.13	
For >500', Deduct	-1.88	
For 24 Gauge, Add	3.01	
For 22 Gauge, Add	6.91	
For 20 Gauge, Add	11.27	
For 18 Gauge, Add	17.28	
For 16 Gauge, Add	21.04	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.12	
For Work In Restricted Working Space, Add	4.56	
23 31 13 16-0081 LF 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	36.41	3.80
For Seal Class B, Add	2.85	
For Seal Class A, Add	7.60	
For Up To 20', Add	5.22	
For >20' To 50', Add	2.09	
For >200' To 500', Deduct	-1.31	
For >500', Deduct	-2.18	
For 24 Gauge, Add	3.48	
For 22 Gauge, Add	8.01	
For 20 Gauge, Add	13.06	
For 18 Gauge, Add	20.02	
For 16 Gauge, Add	24.37	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.88	
For Work In Restricted Working Space, Add	5.70	
23 31 13 16-0082 LF 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	50.59	3.80
For Seal Class B, Add	3.80	
For Seal Class A, Add	10.12	
For Up To 20', Add	7.59	
For >20' To 50', Add	3.03	
For >200' To 500', Deduct	-1.90	
For >500', Deduct	-3.16	
For 24 Gauge, Add	5.06	
For 22 Gauge, Add	11.63	
For 20 Gauge, Add	18.97	
For 18 Gauge, Add	29.08	
For 16 Gauge, Add	35.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.71	
For Work In Restricted Working Space, Add	7.59	
23 31 13 16-0083 LF 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	57.53	5.07
For Seal Class B, Add	4.42	
For Seal Class A, Add	11.80	
For Up To 20', Add	8.41	
For >20' To 50', Add	3.36	
For >200' To 500', Deduct	-2.10	
For >500', Deduct	-3.51	
For 24 Gauge, Add	5.61	
For 22 Gauge, Add	12.90	
For 20 Gauge, Add	21.03	
For 18 Gauge, Add	32.25	
For 16 Gauge, Add	39.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.75	
For Work In Restricted Working Space, Add	8.85	
23 31 13 16-0084 LF 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	64.78	5.07
For Seal Class B, Add	5.03	
For Seal Class A, Add	13.40	
For Up To 20', Add	9.38	
For >20' To 50', Add	3.75	
For >200' To 500', Deduct	-2.35	
For >500', Deduct	-3.91	
For 24 Gauge, Add	6.26	
For 22 Gauge, Add	14.39	
For 20 Gauge, Add	23.46	
For 18 Gauge, Add	35.97	
For 16 Gauge, Add	43.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.15	
For Work In Restricted Working Space, Add	10.05	
23 31 13 16-0085 LF 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	72.29	6.33
For Seal Class B, Add	5.66	
For Seal Class A, Add	15.09	
For Up To 20', Add	10.37	
For >20' To 50', Add	4.15	
For >200' To 500', Deduct	-2.59	
For >500', Deduct	-4.32	
For 24 Gauge, Add	6.91	
For 22 Gauge, Add	15.90	
For 20 Gauge, Add	25.93	
For 18 Gauge, Add	39.76	
For 16 Gauge, Add	48.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.58	
For Work In Restricted Working Space, Add	11.32	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0086	LF	24"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	79.78	7.60
			<i>For Seal Class B, Add</i>	6.33	
			<i>For Seal Class A, Add</i>	16.88	
			<i>For Up To 20', Add</i>	11.27	
			<i>For >20' To 50', Add</i>	4.51	
			<i>For >200' To 500', Deduct</i>	-2.82	
			<i>For >500', Deduct</i>	-4.70	
			<i>For 24 Gauge, Add</i>	7.51	
			<i>For 22 Gauge, Add</i>	17.28	
			<i>For 20 Gauge, Add</i>	28.18	
			<i>For 18 Gauge, Add</i>	43.21	
			<i>For 16 Gauge, Add</i>	52.60	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.80	
			<i>For Work In Restricted Working Space, Add</i>	12.66	
23 31 13 16-0087			Slip Joint, Galvanized, Spiral 90 Degree Elbows <small>(23 31 13 16-0074)</small>		
23 31 13 16-0088	EA	4"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	82.29	17.74
			<i>For Seal Class B, Add</i>	10.27	
			<i>For Seal Class A, Add</i>	27.39	
			<i>For 24 Gauge, Add</i>	2.76	
			<i>For 22 Gauge, Add</i>	6.36	
			<i>For 20 Gauge, Add</i>	10.37	
			<i>For 18 Gauge, Add</i>	15.89	
			<i>For 16 Gauge, Add</i>	19.35	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.23	
			<i>For Work In Restricted Working Space, Add</i>	20.54	
23 31 13 16-0089	EA	6"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	120.95	25.33
			<i>For Seal Class B, Add</i>	15.20	
			<i>For Seal Class A, Add</i>	40.53	
			<i>For 24 Gauge, Add</i>	3.92	
			<i>For 22 Gauge, Add</i>	9.03	
			<i>For 20 Gauge, Add</i>	14.72	
			<i>For 18 Gauge, Add</i>	22.56	
			<i>For 16 Gauge, Add</i>	27.47	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.52	
			<i>For Work In Restricted Working Space, Add</i>	30.40	
23 31 13 16-0090	EA	8"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	170.75	32.93
			<i>For Seal Class B, Add</i>	20.00	
			<i>For Seal Class A, Add</i>	53.34	
			<i>For 24 Gauge, Add</i>	7.48	
			<i>For 22 Gauge, Add</i>	17.21	
			<i>For 20 Gauge, Add</i>	28.06	
			<i>For 18 Gauge, Add</i>	43.02	
			<i>For 16 Gauge, Add</i>	52.37	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.68	
			<i>For Work In Restricted Working Space, Add</i>	40.00	
23 31 13 16-0091	EA	10"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	212.95	41.80
			<i>For Seal Class B, Add</i>	25.34	
			<i>For Seal Class A, Add</i>	67.56	
			<i>For 24 Gauge, Add</i>	8.81	
			<i>For 22 Gauge, Add</i>	20.26	
			<i>For 20 Gauge, Add</i>	33.04	
			<i>For 18 Gauge, Add</i>	50.66	
			<i>For 16 Gauge, Add</i>	61.67	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	32.60	
			<i>For Work In Restricted Working Space, Add</i>	50.67	
23 31 13 16-0092	EA	12"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	262.84	53.21
			<i>For Seal Class B, Add</i>	31.67	
			<i>For Seal Class A, Add</i>	84.45	
			<i>For 24 Gauge, Add</i>	10.34	
			<i>For 22 Gauge, Add</i>	23.79	
			<i>For 20 Gauge, Add</i>	38.79	
			<i>For 18 Gauge, Add</i>	59.48	
			<i>For 16 Gauge, Add</i>	72.41	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	38.27	
			<i>For Work In Restricted Working Space, Add</i>	63.34	
23 31 13 16-0093	EA	14"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	287.89	58.26
			<i>For Seal Class B, Add</i>	34.55	
			<i>For Seal Class A, Add</i>	92.12	
			<i>For 24 Gauge, Add</i>	11.52	
			<i>For 22 Gauge, Add</i>	26.49	
			<i>For 20 Gauge, Add</i>	43.19	
			<i>For 18 Gauge, Add</i>	66.22	
			<i>For 16 Gauge, Add</i>	80.61	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.61	
			<i>For Work In Restricted Working Space, Add</i>	69.09	
23 31 13 16-0094	EA	16"	Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	339.80	68.40
			<i>For Seal Class B, Add</i>	40.86	
			<i>For Seal Class A, Add</i>	108.96	
			<i>For 24 Gauge, Add</i>	13.48	
			<i>For 22 Gauge, Add</i>	31.00	
			<i>For 20 Gauge, Add</i>	50.54	
			<i>For 18 Gauge, Add</i>	77.50	
			<i>For 16 Gauge, Add</i>	94.35	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	49.87	
			<i>For Work In Restricted Working Space, Add</i>	81.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0095 EA 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	415.34	84.87
For Seal Class B, Add	50.67	
For Seal Class A, Add	135.12	
For 24 Gauge, Add	15.51	
For 22 Gauge, Add	35.67	
For 20 Gauge, Add	58.16	
For 18 Gauge, Add	89.17	
For 16 Gauge, Add	108.56	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	57.38	
For Work In Restricted Working Space, Add	101.34	
23 31 13 16-0096 EA 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	500.15	102.61
For Seal Class B, Add	61.29	
For Seal Class A, Add	163.45	
For 24 Gauge, Add	18.31	
For 22 Gauge, Add	42.10	
For 20 Gauge, Add	68.65	
For 18 Gauge, Add	105.26	
For 16 Gauge, Add	128.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	67.73	
For Work In Restricted Working Space, Add	122.59	
23 31 13 16-0097 EA 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	581.89	119.07
For Seal Class B, Add	71.70	
For Seal Class A, Add	191.20	
For 24 Gauge, Add	20.78	
For 22 Gauge, Add	47.78	
For 20 Gauge, Add	77.91	
For 18 Gauge, Add	119.46	
For 16 Gauge, Add	145.43	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	76.87	
For Work In Restricted Working Space, Add	143.40	
23 31 13 16-0098 EA 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	667.23	135.54
For Seal Class B, Add	80.85	
For Seal Class A, Add	215.61	
For 24 Gauge, Add	25.64	
For 22 Gauge, Add	58.97	
For 20 Gauge, Add	96.15	
For 18 Gauge, Add	147.43	
For 16 Gauge, Add	179.48	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	94.87	
For Work In Restricted Working Space, Add	161.71	
23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0074)		
23 31 13 16-0100 EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	82.94	17.74
For Seal Class B, Add	10.27	
For Seal Class A, Add	27.39	
For 24 Gauge, Add	2.89	
For 22 Gauge, Add	6.66	
For 20 Gauge, Add	10.85	
For 18 Gauge, Add	16.64	
For 16 Gauge, Add	20.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.71	
For Work In Restricted Working Space, Add	20.54	
23 31 13 16-0101 EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	117.58	25.33
For Seal Class B, Add	15.20	
For Seal Class A, Add	40.53	
For 24 Gauge, Add	3.25	
For 22 Gauge, Add	7.48	
For 20 Gauge, Add	12.19	
For 18 Gauge, Add	18.69	
For 16 Gauge, Add	22.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.03	
For Work In Restricted Working Space, Add	30.40	
23 31 13 16-0102 EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	155.14	32.93
For Seal Class B, Add	20.00	
For Seal Class A, Add	53.34	
For 24 Gauge, Add	4.36	
For 22 Gauge, Add	10.03	
For 20 Gauge, Add	16.35	
For 18 Gauge, Add	25.07	
For 16 Gauge, Add	30.52	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.13	
For Work In Restricted Working Space, Add	40.00	
23 31 13 16-0103 EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	196.14	41.80
For Seal Class B, Add	25.34	
For Seal Class A, Add	67.56	
For 24 Gauge, Add	5.45	
For 22 Gauge, Add	12.53	
For 20 Gauge, Add	20.43	
For 18 Gauge, Add	31.33	
For 16 Gauge, Add	38.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.16	
For Work In Restricted Working Space, Add	50.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0104	EA		12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	242.78	53.21
			<i>For Seal Class B, Add</i>	31.67	
			<i>For Seal Class A, Add</i>	84.45	
			<i>For 24 Gauge, Add</i>	6.33	
			<i>For 22 Gauge, Add</i>	14.56	
			<i>For 20 Gauge, Add</i>	23.75	
			<i>For 18 Gauge, Add</i>	36.41	
			<i>For 16 Gauge, Add</i>	44.32	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.43	
			<i>For Work In Restricted Working Space, Add</i>	63.34	
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	265.50	58.26
			<i>For Seal Class B, Add</i>	34.55	
			<i>For Seal Class A, Add</i>	92.12	
			<i>For 24 Gauge, Add</i>	7.04	
			<i>For 22 Gauge, Add</i>	16.19	
			<i>For 20 Gauge, Add</i>	26.39	
			<i>For 18 Gauge, Add</i>	40.47	
			<i>For 16 Gauge, Add</i>	49.27	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.04	
			<i>For Work In Restricted Working Space, Add</i>	69.09	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	330.10	68.40
			<i>For Seal Class B, Add</i>	40.86	
			<i>For Seal Class A, Add</i>	108.96	
			<i>For 24 Gauge, Add</i>	11.54	
			<i>For 22 Gauge, Add</i>	26.54	
			<i>For 20 Gauge, Add</i>	43.27	
			<i>For 18 Gauge, Add</i>	66.34	
			<i>For 16 Gauge, Add</i>	80.77	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.69	
			<i>For Work In Restricted Working Space, Add</i>	81.72	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	408.48	84.87
			<i>For Seal Class B, Add</i>	50.67	
			<i>For Seal Class A, Add</i>	135.12	
			<i>For 24 Gauge, Add</i>	14.14	
			<i>For 22 Gauge, Add</i>	32.51	
			<i>For 20 Gauge, Add</i>	53.01	
			<i>For 18 Gauge, Add</i>	81.28	
			<i>For 16 Gauge, Add</i>	98.95	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	52.30	
			<i>For Work In Restricted Working Space, Add</i>	101.34	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	498.05	102.61
			<i>For Seal Class B, Add</i>	61.29	
			<i>For Seal Class A, Add</i>	163.45	
			<i>For 24 Gauge, Add</i>	17.89	
			<i>For 22 Gauge, Add</i>	41.14	
			<i>For 20 Gauge, Add</i>	67.07	
			<i>For 18 Gauge, Add</i>	102.84	
			<i>For 16 Gauge, Add</i>	125.20	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	66.18	
			<i>For Work In Restricted Working Space, Add</i>	122.59	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	558.06	119.07
			<i>For Seal Class B, Add</i>	71.70	
			<i>For Seal Class A, Add</i>	191.20	
			<i>For 24 Gauge, Add</i>	16.01	
			<i>For 22 Gauge, Add</i>	36.82	
			<i>For 20 Gauge, Add</i>	60.04	
			<i>For 18 Gauge, Add</i>	92.06	
			<i>For 16 Gauge, Add</i>	112.07	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	59.24	
			<i>For Work In Restricted Working Space, Add</i>	143.40	
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	658.75	135.54
			<i>For Seal Class B, Add</i>	80.85	
			<i>For Seal Class A, Add</i>	215.61	
			<i>For 24 Gauge, Add</i>	23.94	
			<i>For 22 Gauge, Add</i>	55.07	
			<i>For 20 Gauge, Add</i>	89.79	
			<i>For 18 Gauge, Add</i>	137.68	
			<i>For 16 Gauge, Add</i>	167.61	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	88.59	
			<i>For Work In Restricted Working Space, Add</i>	161.71	
23 31 13 16-0111			Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)		
23 31 13 16-0112	EA		6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	164.44	32.93
			<i>For Seal Class B, Add</i>	20.00	
			<i>For Seal Class A, Add</i>	53.34	
			<i>For 24 Gauge, Add</i>	6.22	
			<i>For 22 Gauge, Add</i>	14.31	
			<i>For 20 Gauge, Add</i>	23.33	
			<i>For 18 Gauge, Add</i>	35.77	
			<i>For 16 Gauge, Add</i>	43.54	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.01	
			<i>For Work In Restricted Working Space, Add</i>	40.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0113 EA 8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	243.72	53.21
For Seal Class B, Add	31.67	
For Seal Class A, Add	84.45	
For 24 Gauge, Add	6.52	
For 22 Gauge, Add	15.00	
For 20 Gauge, Add	24.45	
For 18 Gauge, Add	37.49	
For 16 Gauge, Add	45.64	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.12	
For Work In Restricted Working Space, Add	63.34	
23 31 13 16-0114 EA 10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	308.20	68.40
For Seal Class B, Add	40.86	
For Seal Class A, Add	108.96	
For 24 Gauge, Add	7.16	
For 22 Gauge, Add	16.46	
For 20 Gauge, Add	26.84	
For 18 Gauge, Add	41.16	
For 16 Gauge, Add	50.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.48	
For Work In Restricted Working Space, Add	81.72	
23 31 13 16-0115 EA 12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	375.19	84.87
For Seal Class B, Add	50.67	
For Seal Class A, Add	135.12	
For 24 Gauge, Add	7.48	
For 22 Gauge, Add	17.20	
For 20 Gauge, Add	28.04	
For 18 Gauge, Add	43.00	
For 16 Gauge, Add	52.35	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.67	
For Work In Restricted Working Space, Add	101.34	
23 31 13 16-0116 EA 14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	447.23	102.61
For Seal Class B, Add	61.29	
For Seal Class A, Add	163.45	
For 24 Gauge, Add	7.72	
For 22 Gauge, Add	17.76	
For 20 Gauge, Add	28.96	
For 18 Gauge, Add	44.40	
For 16 Gauge, Add	54.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.57	
For Work In Restricted Working Space, Add	122.59	
23 31 13 16-0117 EA 16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	520.00	119.07
For Seal Class B, Add	71.70	
For Seal Class A, Add	191.20	
For 24 Gauge, Add	8.40	
For 22 Gauge, Add	19.32	
For 20 Gauge, Add	31.49	
For 18 Gauge, Add	48.29	
For 16 Gauge, Add	58.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.07	
For Work In Restricted Working Space, Add	143.40	
23 31 13 16-0118 EA 18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	582.71	135.54
For Seal Class B, Add	80.85	
For Seal Class A, Add	215.61	
For 24 Gauge, Add	8.74	
For 22 Gauge, Add	20.09	
For 20 Gauge, Add	32.76	
For 18 Gauge, Add	50.23	
For 16 Gauge, Add	61.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.32	
For Work In Restricted Working Space, Add	161.71	
23 31 13 16-0119 EA 20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	663.19	154.54
For Seal Class B, Add	92.69	
For Seal Class A, Add	247.16	
For 24 Gauge, Add	9.06	
For 22 Gauge, Add	20.83	
For 20 Gauge, Add	33.96	
For 18 Gauge, Add	52.07	
For 16 Gauge, Add	63.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.51	
For Work In Restricted Working Space, Add	185.37	
23 31 13 16-0120 EA 22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	739.21	171.01
For Seal Class B, Add	102.71	
For Seal Class A, Add	273.89	
For 24 Gauge, Add	10.90	
For 22 Gauge, Add	25.07	
For 20 Gauge, Add	40.87	
For 18 Gauge, Add	62.66	
For 16 Gauge, Add	76.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.32	
For Work In Restricted Working Space, Add	205.42	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	801.40		186.21
		<i>For Seal Class B, Add</i>	111.77		
		<i>For Seal Class A, Add</i>	298.05		
		<i>For 24 Gauge, Add</i>	11.25		
		<i>For 22 Gauge, Add</i>	25.88		
		<i>For 20 Gauge, Add</i>	42.20		
		<i>For 18 Gauge, Add</i>	64.71		
		<i>For 16 Gauge, Add</i>	78.78		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	41.64		
		<i>For Work In Restricted Working Space, Add</i>	223.54		
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	257.04		57.39
		<i>For Seal Class B, Add</i>	34.45		
		<i>For Seal Class A, Add</i>	91.86		
		<i>For 24 Gauge, Add</i>	5.48		
		<i>For 22 Gauge, Add</i>	12.60		
		<i>For 20 Gauge, Add</i>	20.54		
		<i>For 18 Gauge, Add</i>	31.50		
		<i>For 16 Gauge, Add</i>	38.35		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.27		
		<i>For Work In Restricted Working Space, Add</i>	68.90		
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	310.68		69.04
		<i>For Seal Class B, Add</i>	41.42		
		<i>For Seal Class A, Add</i>	110.44		
		<i>For 24 Gauge, Add</i>	6.92		
		<i>For 22 Gauge, Add</i>	15.91		
		<i>For 20 Gauge, Add</i>	25.94		
		<i>For 18 Gauge, Add</i>	39.77		
		<i>For 16 Gauge, Add</i>	48.41		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	25.59		
		<i>For Work In Restricted Working Space, Add</i>	82.83		
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	377.44		83.86
		<i>For Seal Class B, Add</i>	50.32		
		<i>For Seal Class A, Add</i>	134.18		
		<i>For 24 Gauge, Add</i>	8.40		
		<i>For 22 Gauge, Add</i>	19.31		
		<i>For 20 Gauge, Add</i>	31.49		
		<i>For 18 Gauge, Add</i>	48.28		
		<i>For 16 Gauge, Add</i>	58.77		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.07		
		<i>For Work In Restricted Working Space, Add</i>	100.64		
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	449.32		99.69
		<i>For Seal Class B, Add</i>	59.90		
		<i>For Seal Class A, Add</i>	159.74		
		<i>For 24 Gauge, Add</i>	10.00		
		<i>For 22 Gauge, Add</i>	22.99		
		<i>For 20 Gauge, Add</i>	37.49		
		<i>For 18 Gauge, Add</i>	57.48		
		<i>For 16 Gauge, Add</i>	69.97		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	36.99		
		<i>For Work In Restricted Working Space, Add</i>	119.80		
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	570.37		128.19
		<i>For Seal Class B, Add</i>	76.86		
		<i>For Seal Class A, Add</i>	204.97		
		<i>For 24 Gauge, Add</i>	11.59		
		<i>For 22 Gauge, Add</i>	26.65		
		<i>For 20 Gauge, Add</i>	43.46		
		<i>For 18 Gauge, Add</i>	66.63		
		<i>For 16 Gauge, Add</i>	81.12		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.88		
		<i>For Work In Restricted Working Space, Add</i>	153.73		
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	633.47		142.25
		<i>For Seal Class B, Add</i>	85.28		
		<i>For Seal Class A, Add</i>	227.42		
		<i>For 24 Gauge, Add</i>	12.99		
		<i>For 22 Gauge, Add</i>	29.87		
		<i>For 20 Gauge, Add</i>	48.70		
		<i>For 18 Gauge, Add</i>	74.67		
		<i>For 16 Gauge, Add</i>	90.90		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	48.05		
		<i>For Work In Restricted Working Space, Add</i>	170.56		
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	720.19		161.89
		<i>For Seal Class B, Add</i>	96.94		
		<i>For Seal Class A, Add</i>	258.51		
		<i>For 24 Gauge, Add</i>	14.78		
		<i>For 22 Gauge, Add</i>	34.00		
		<i>For 20 Gauge, Add</i>	55.43		
		<i>For 18 Gauge, Add</i>	85.00		
		<i>For 16 Gauge, Add</i>	103.47		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	54.69		
		<i>For Work In Restricted Working Space, Add</i>	193.88		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0129 EA 22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	772.31	172.65
For Seal Class B, Add	103.49	
For Seal Class A, Add	275.98	
For 24 Gauge, Add	16.47	
For 22 Gauge, Add	37.89	
For 20 Gauge, Add	61.78	
For 18 Gauge, Add	94.73	
For 16 Gauge, Add	115.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	60.95	
For Work In Restricted Working Space, Add	206.98	
23 31 13 16-0130 EA 24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	837.92	187.22
For Seal Class B, Add	112.30	
For Seal Class A, Add	299.46	
For 24 Gauge, Add	17.85	
For 22 Gauge, Add	41.06	
For 20 Gauge, Add	66.95	
For 18 Gauge, Add	102.65	
For 16 Gauge, Add	124.96	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.05	
For Work In Restricted Working Space, Add	224.60	
23 31 13 16-0131 EA 10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	340.04	76.00
For Seal Class B, Add	45.54	
For Seal Class A, Add	121.45	
For 24 Gauge, Add	7.28	
For 22 Gauge, Add	16.75	
For 20 Gauge, Add	27.32	
For 18 Gauge, Add	41.88	
For 16 Gauge, Add	50.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.95	
For Work In Restricted Working Space, Add	91.09	
23 31 13 16-0132 EA 12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	413.26	92.47
For Seal Class B, Add	55.36	
For Seal Class A, Add	147.64	
For 24 Gauge, Add	8.83	
For 22 Gauge, Add	20.32	
For 20 Gauge, Add	33.13	
For 18 Gauge, Add	50.80	
For 16 Gauge, Add	61.84	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.69	
For Work In Restricted Working Space, Add	110.73	
23 31 13 16-0133 EA 14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	491.86	109.57
For Seal Class B, Add	65.88	
For Seal Class A, Add	175.69	
For 24 Gauge, Add	10.53	
For 22 Gauge, Add	24.21	
For 20 Gauge, Add	39.48	
For 18 Gauge, Add	60.54	
For 16 Gauge, Add	73.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.95	
For Work In Restricted Working Space, Add	131.77	
23 31 13 16-0134 EA 16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	570.95	127.69
For Seal Class B, Add	76.49	
For Seal Class A, Add	203.98	
For 24 Gauge, Add	12.20	
For 22 Gauge, Add	28.06	
For 20 Gauge, Add	45.75	
For 18 Gauge, Add	70.15	
For 16 Gauge, Add	85.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.14	
For Work In Restricted Working Space, Add	152.99	
23 31 13 16-0135 EA 18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	638.94	142.76
For Seal Class B, Add	85.59	
For Seal Class A, Add	228.24	
For 24 Gauge, Add	13.67	
For 22 Gauge, Add	31.44	
For 20 Gauge, Add	51.26	
For 18 Gauge, Add	78.60	
For 16 Gauge, Add	95.69	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	50.58	
For Work In Restricted Working Space, Add	171.18	
23 31 13 16-0136 EA 20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	726.72	162.40
For Seal Class B, Add	97.34	
For Seal Class A, Add	259.58	
For 24 Gauge, Add	15.56	
For 22 Gauge, Add	35.78	
For 20 Gauge, Add	58.34	
For 18 Gauge, Add	89.45	
For 16 Gauge, Add	108.89	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	57.56	
For Work In Restricted Working Space, Add	194.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0137	EA		22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	811.38	181.14
			<i>For Seal Class B, Add</i>	108.70	
			<i>For Seal Class A, Add</i>	289.87	
			<i>For 24 Gauge, Add</i>	17.34	
			<i>For 22 Gauge, Add</i>	39.89	
			<i>For 20 Gauge, Add</i>	65.03	
			<i>For 18 Gauge, Add</i>	99.72	
			<i>For 16 Gauge, Add</i>	121.39	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	64.17	
			<i>For Work In Restricted Working Space, Add</i>	217.40	
23 31 13 16-0138	EA		24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	879.76	196.59
			<i>For Seal Class B, Add</i>	117.87	
			<i>For Seal Class A, Add</i>	314.32	
			<i>For 24 Gauge, Add</i>	18.79	
			<i>For 22 Gauge, Add</i>	43.22	
			<i>For 20 Gauge, Add</i>	70.46	
			<i>For 18 Gauge, Add</i>	108.04	
			<i>For 16 Gauge, Add</i>	131.53	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	69.52	
			<i>For Work In Restricted Working Space, Add</i>	235.74	
23 31 13 16-0139			Slip Joint, Galvanized, Spiral Duct Reducers <small>(23 31 13 16-0074)</small>		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	112.51	25.33
			<i>For Seal Class B, Add</i>	15.20	
			<i>For Seal Class A, Add</i>	40.53	
			<i>For 24 Gauge, Add</i>	2.24	
			<i>For 22 Gauge, Add</i>	5.14	
			<i>For 20 Gauge, Add</i>	8.39	
			<i>For 18 Gauge, Add</i>	12.86	
			<i>For 16 Gauge, Add</i>	15.65	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.27	
			<i>For Work In Restricted Working Space, Add</i>	30.40	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	145.65	32.93
			<i>For Seal Class B, Add</i>	20.00	
			<i>For Seal Class A, Add</i>	53.34	
			<i>For 24 Gauge, Add</i>	2.46	
			<i>For 22 Gauge, Add</i>	5.66	
			<i>For 20 Gauge, Add</i>	9.23	
			<i>For 18 Gauge, Add</i>	14.16	
			<i>For 16 Gauge, Add</i>	17.23	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.11	
			<i>For Work In Restricted Working Space, Add</i>	40.00	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	182.52	41.80
			<i>For Seal Class B, Add</i>	25.34	
			<i>For Seal Class A, Add</i>	67.56	
			<i>For 24 Gauge, Add</i>	2.72	
			<i>For 22 Gauge, Add</i>	6.27	
			<i>For 20 Gauge, Add</i>	10.22	
			<i>For 18 Gauge, Add</i>	15.66	
			<i>For 16 Gauge, Add</i>	19.07	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.08	
			<i>For Work In Restricted Working Space, Add</i>	50.67	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	226.06	53.21
			<i>For Seal Class B, Add</i>	31.67	
			<i>For Seal Class A, Add</i>	84.45	
			<i>For 24 Gauge, Add</i>	2.99	
			<i>For 22 Gauge, Add</i>	6.87	
			<i>For 20 Gauge, Add</i>	11.21	
			<i>For 18 Gauge, Add</i>	17.18	
			<i>For 16 Gauge, Add</i>	20.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	11.06	
			<i>For Work In Restricted Working Space, Add</i>	63.34	
23 31 13 16-0144	EA		14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	246.94	58.26
			<i>For Seal Class B, Add</i>	34.55	
			<i>For Seal Class A, Add</i>	92.12	
			<i>For 24 Gauge, Add</i>	3.33	
			<i>For 22 Gauge, Add</i>	7.65	
			<i>For 20 Gauge, Add</i>	12.47	
			<i>For 18 Gauge, Add</i>	19.12	
			<i>For 16 Gauge, Add</i>	23.28	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.31	
			<i>For Work In Restricted Working Space, Add</i>	69.09	
23 31 13 16-0145	EA		16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	301.16	68.40
			<i>For Seal Class B, Add</i>	40.86	
			<i>For Seal Class A, Add</i>	108.96	
			<i>For 24 Gauge, Add</i>	5.75	
			<i>For 22 Gauge, Add</i>	13.23	
			<i>For 20 Gauge, Add</i>	21.56	
			<i>For 18 Gauge, Add</i>	33.06	
			<i>For 16 Gauge, Add</i>	40.25	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.28	
			<i>For Work In Restricted Working Space, Add</i>	81.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0146 EA 18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	368.52	84.87
For Seal Class B, Add	50.67	
For Seal Class A, Add	135.12	
For 24 Gauge, Add	6.14	
For 22 Gauge, Add	14.13	
For 20 Gauge, Add	23.04	
For 18 Gauge, Add	35.33	
For 16 Gauge, Add	43.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.73	
For Work In Restricted Working Space, Add	101.34	
23 31 13 16-0147 EA 20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	441.41	102.61
For Seal Class B, Add	61.29	
For Seal Class A, Add	163.45	
For 24 Gauge, Add	6.56	
For 22 Gauge, Add	15.08	
For 20 Gauge, Add	24.59	
For 18 Gauge, Add	37.71	
For 16 Gauge, Add	45.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.26	
For Work In Restricted Working Space, Add	122.59	
23 31 13 16-0148 EA 22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	512.86	119.07
For Seal Class B, Add	71.70	
For Seal Class A, Add	191.20	
For 24 Gauge, Add	6.97	
For 22 Gauge, Add	16.03	
For 20 Gauge, Add	26.14	
For 18 Gauge, Add	40.08	
For 16 Gauge, Add	48.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.79	
For Work In Restricted Working Space, Add	143.40	
23 31 13 16-0149 EA 24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	575.76	135.54
For Seal Class B, Add	80.85	
For Seal Class A, Add	215.61	
For 24 Gauge, Add	7.35	
For 22 Gauge, Add	16.90	
For 20 Gauge, Add	27.55	
For 18 Gauge, Add	42.24	
For 16 Gauge, Add	51.42	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.18	
For Work In Restricted Working Space, Add	161.71	
23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)		
23 31 13 16-0151 EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	73.76	17.74
For Seal Class B, Add	10.27	
For Seal Class A, Add	27.39	
For 24 Gauge, Add	1.06	
For 22 Gauge, Add	2.43	
For 20 Gauge, Add	3.97	
For 18 Gauge, Add	6.08	
For 16 Gauge, Add	7.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.91	
For Work In Restricted Working Space, Add	20.54	
23 31 13 16-0152 EA 6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	107.34	25.33
For Seal Class B, Add	15.20	
For Seal Class A, Add	40.53	
For 24 Gauge, Add	1.20	
For 22 Gauge, Add	2.76	
For 20 Gauge, Add	4.51	
For 18 Gauge, Add	6.91	
For 16 Gauge, Add	8.41	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.45	
For Work In Restricted Working Space, Add	30.40	
23 31 13 16-0153 EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	139.82	32.93
For Seal Class B, Add	20.00	
For Seal Class A, Add	53.34	
For 24 Gauge, Add	1.30	
For 22 Gauge, Add	2.98	
For 20 Gauge, Add	4.86	
For 18 Gauge, Add	7.45	
For 16 Gauge, Add	9.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.80	
For Work In Restricted Working Space, Add	40.00	
23 31 13 16-0154 EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	175.85	41.80
For Seal Class B, Add	25.34	
For Seal Class A, Add	67.56	
For 24 Gauge, Add	1.39	
For 22 Gauge, Add	3.20	
For 20 Gauge, Add	5.21	
For 18 Gauge, Add	7.99	
For 16 Gauge, Add	9.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.14	
For Work In Restricted Working Space, Add	50.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	.....	218.54	53.21
		<i>For Seal Class B, Add</i>		31.67	
		<i>For Seal Class A, Add</i>		84.45	
		<i>For 24 Gauge, Add</i>		1.48	
		<i>For 22 Gauge, Add</i>		3.41	
		<i>For 20 Gauge, Add</i>		5.57	
		<i>For 18 Gauge, Add</i>		8.53	
		<i>For 16 Gauge, Add</i>		10.39	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		5.49	
		<i>For Work In Restricted Working Space, Add</i>		63.34	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	.....	238.20	58.26
		<i>For Seal Class B, Add</i>		34.55	
		<i>For Seal Class A, Add</i>		92.12	
		<i>For 24 Gauge, Add</i>		1.58	
		<i>For 22 Gauge, Add</i>		3.63	
		<i>For 20 Gauge, Add</i>		5.92	
		<i>For 18 Gauge, Add</i>		9.07	
		<i>For 16 Gauge, Add</i>		11.05	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		5.84	
		<i>For Work In Restricted Working Space, Add</i>		69.09	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	.....	281.15	68.40
		<i>For Seal Class B, Add</i>		40.86	
		<i>For Seal Class A, Add</i>		108.96	
		<i>For 24 Gauge, Add</i>		1.75	
		<i>For 22 Gauge, Add</i>		4.02	
		<i>For 20 Gauge, Add</i>		6.56	
		<i>For 18 Gauge, Add</i>		10.05	
		<i>For 16 Gauge, Add</i>		12.24	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		6.47	
		<i>For Work In Restricted Working Space, Add</i>		81.72	
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	.....	347.01	84.87
		<i>For Seal Class B, Add</i>		50.67	
		<i>For Seal Class A, Add</i>		135.12	
		<i>For 24 Gauge, Add</i>		1.84	
		<i>For 22 Gauge, Add</i>		4.24	
		<i>For 20 Gauge, Add</i>		6.91	
		<i>For 18 Gauge, Add</i>		10.59	
		<i>For 16 Gauge, Add</i>		12.89	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		6.82	
		<i>For Work In Restricted Working Space, Add</i>		101.34	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	.....	418.39	102.61
		<i>For Seal Class B, Add</i>		61.29	
		<i>For Seal Class A, Add</i>		163.45	
		<i>For 24 Gauge, Add</i>		1.95	
		<i>For 22 Gauge, Add</i>		4.49	
		<i>For 20 Gauge, Add</i>		7.33	
		<i>For 18 Gauge, Add</i>		11.24	
		<i>For 16 Gauge, Add</i>		13.68	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		7.23	
		<i>For Work In Restricted Working Space, Add</i>		122.59	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	.....	488.16	239.41
		<i>For Seal Class B, Add</i>		71.70	
		<i>For Seal Class A, Add</i>		191.20	
		<i>For 24 Gauge, Add</i>		2.03	
		<i>For 22 Gauge, Add</i>		4.67	
		<i>For 20 Gauge, Add</i>		7.61	
		<i>For 18 Gauge, Add</i>		11.67	
		<i>For 16 Gauge, Add</i>		14.21	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		7.51	
		<i>For Work In Restricted Working Space, Add</i>		143.40	
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	.....	549.74	269.81
		<i>For Seal Class B, Add</i>		80.85	
		<i>For Seal Class A, Add</i>		215.61	
		<i>For 24 Gauge, Add</i>		2.14	
		<i>For 22 Gauge, Add</i>		4.93	
		<i>For 20 Gauge, Add</i>		8.03	
		<i>For 18 Gauge, Add</i>		12.32	
		<i>For 16 Gauge, Add</i>		14.99	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		7.93	
		<i>For Work In Restricted Working Space, Add</i>		161.71	
23 31 13 16-0162		Slip Joint, Galvanized, Spiral Duct Caps <small>(23 31 13 16-0074)</small>			
23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	.....	40.44	17.74
		<i>For Seal Class B, Add</i>		5.14	
		<i>For Seal Class A, Add</i>		13.70	
		<i>For 24 Gauge, Add</i>		1.24	
		<i>For 22 Gauge, Add</i>		2.85	
		<i>For 20 Gauge, Add</i>		4.65	
		<i>For 18 Gauge, Add</i>		7.13	
		<i>For 16 Gauge, Add</i>		8.68	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		4.59	
		<i>For Work In Restricted Working Space, Add</i>		10.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0164 EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	57.62	25.33
For Seal Class B, Add	7.60	
For Seal Class A, Add	20.27	
For 24 Gauge, Add	1.39	
For 22 Gauge, Add	3.20	
For 20 Gauge, Add	5.21	
For 18 Gauge, Add	7.99	
For 16 Gauge, Add	9.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.14	
For Work In Restricted Working Space, Add	15.20	
23 31 13 16-0165 EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	74.27	34.21
For Seal Class B, Add	10.00	
For Seal Class A, Add	26.66	
For 24 Gauge, Add	1.52	
For 22 Gauge, Add	3.50	
For 20 Gauge, Add	5.71	
For 18 Gauge, Add	8.75	
For 16 Gauge, Add	10.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.63	
For Work In Restricted Working Space, Add	20.00	
23 31 13 16-0166 EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	92.89	43.07
For Seal Class B, Add	12.67	
For Seal Class A, Add	33.78	
For 24 Gauge, Add	1.69	
For 22 Gauge, Add	3.89	
For 20 Gauge, Add	6.34	
For 18 Gauge, Add	9.72	
For 16 Gauge, Add	11.83	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.25	
For Work In Restricted Working Space, Add	25.33	
23 31 13 16-0167 EA 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	114.95	53.21
For Seal Class B, Add	15.83	
For Seal Class A, Add	42.22	
For 24 Gauge, Add	1.88	
For 22 Gauge, Add	4.32	
For 20 Gauge, Add	7.04	
For 18 Gauge, Add	10.80	
For 16 Gauge, Add	13.15	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.95	
For Work In Restricted Working Space, Add	31.67	
23 31 13 16-0168 EA 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	125.49	58.26
For Seal Class B, Add	17.27	
For Seal Class A, Add	46.06	
For 24 Gauge, Add	2.07	
For 22 Gauge, Add	4.75	
For 20 Gauge, Add	7.75	
For 18 Gauge, Add	11.88	
For 16 Gauge, Add	14.46	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.64	
For Work In Restricted Working Space, Add	34.55	
23 31 13 16-0169 EA 16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	145.27	67.14
For Seal Class B, Add	20.00	
For Seal Class A, Add	53.34	
For 24 Gauge, Add	2.39	
For 22 Gauge, Add	5.49	
For 20 Gauge, Add	8.95	
For 18 Gauge, Add	13.72	
For 16 Gauge, Add	16.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.83	
For Work In Restricted Working Space, Add	40.00	
23 31 13 16-0170 EA 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	209.11	84.87
For Seal Class B, Add	25.34	
For Seal Class A, Add	67.56	
For 24 Gauge, Add	8.04	
For 22 Gauge, Add	18.50	
For 20 Gauge, Add	30.16	
For 18 Gauge, Add	46.24	
For 16 Gauge, Add	56.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.76	
For Work In Restricted Working Space, Add	50.67	
23 31 13 16-0171 EA 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	254.71	105.14
For Seal Class B, Add	31.67	
For Seal Class A, Add	84.45	
For 24 Gauge, Add	8.72	
For 22 Gauge, Add	20.05	
For 20 Gauge, Add	32.69	
For 18 Gauge, Add	50.13	
For 16 Gauge, Add	61.03	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.26	
For Work In Restricted Working Space, Add	63.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0172	EA		22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	277.28	115.27
			<i>For Seal Class B, Add</i>	34.55	
			<i>For Seal Class A, Add</i>	92.12	
			<i>For 24 Gauge, Add</i>	9.39	
			<i>For 22 Gauge, Add</i>	21.61	
			<i>For 20 Gauge, Add</i>	35.23	
			<i>For 18 Gauge, Add</i>	54.02	
			<i>For 16 Gauge, Add</i>	65.76	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	34.76	
			<i>For Work In Restricted Working Space, Add</i>	69.09	
23 31 13 16-0173	EA		24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	319.97	134.27
			<i>For Seal Class B, Add</i>	40.43	
			<i>For Seal Class A, Add</i>	107.81	
			<i>For 24 Gauge, Add</i>	10.09	
			<i>For 22 Gauge, Add</i>	23.21	
			<i>For 20 Gauge, Add</i>	37.84	
			<i>For 18 Gauge, Add</i>	58.02	
			<i>For 16 Gauge, Add</i>	70.63	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	37.33	
			<i>For Work In Restricted Working Space, Add</i>	80.86	
23 31 13 19 Metal Duct Fittings (23 31 13)					
23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)					
23 31 13 19-0002	LF		Sheet Metal Baffles Under Raised Floor	46.34	37.25
			<i>For Work In Restricted Working Space, Add</i>	13.62	
			<i>For Elevated Installation >10' To 15', Add</i>	4.54	
			<i>For Elevated Installation >15' To 20', Add</i>	9.08	
			<i>For Elevated Installation >20' To 25', Add</i>	11.35	
			<i>For Elevated Installation >25' To 30', Add</i>	15.89	
			<i>For Elevated Installation >30' To 35', Add</i>	18.16	
			<i>For Elevated Installation >35' To 40', Add</i>	22.70	
			<i>For Elevated Installation >40', Add</i>	24.96	
23 31 13 19-0003 Duct Register Boots (23 31 13 19)					
23 31 13 19-0004	EA		10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	43.51	17.17
			<i>For Stainless Steel, Add</i>	11.95	
23 31 13 19-0005	EA		10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	43.51	17.17
			<i>For Stainless Steel, Add</i>	11.95	
23 31 13 19-0006	EA		12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	46.48	18.54
			<i>For Stainless Steel, Add</i>	12.22	
23 31 13 19-0007	EA		12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	46.48	18.54
			<i>For Stainless Steel, Add</i>	12.22	
23 31 13 19-0008	EA		12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	48.75	18.54
			<i>For Stainless Steel, Add</i>	15.17	
23 31 13 19-0009	EA		14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	50.34	19.91
			<i>For Stainless Steel, Add</i>	13.68	
23 31 13 19-0010	EA		14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	50.34	19.91
			<i>For Stainless Steel, Add</i>	13.68	
23 31 13 19-0011	EA		14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	51.75	19.91
			<i>For Stainless Steel, Add</i>	15.51	
23 31 13 19-0012	EA		10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	50.85	21.28
			<i>For Stainless Steel, Add</i>	10.76	
23 31 13 19-0013	EA		12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	53.83	22.65
			<i>For Stainless Steel, Add</i>	11.08	
23 31 13 19-0014	EA		12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	59.61	22.65
			<i>For Stainless Steel, Add</i>	18.59	
23 31 13 19-0015	EA		14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	57.08	24.03
			<i>For Stainless Steel, Add</i>	11.74	
23 31 13 19-0016	EA		14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	62.74	24.03
			<i>For Stainless Steel, Add</i>	19.10	
23 31 13 19-0017	EA		12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	45.11	18.54
			<i>For Stainless Steel, Add</i>	10.44	
23 31 13 19-0018	EA		12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	45.11	18.54
			<i>For Stainless Steel, Add</i>	10.44	
23 31 13 19-0019	EA		14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	48.77	19.91
			<i>For Stainless Steel, Add</i>	11.64	
23 31 13 19-0020	EA		14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	50.12	19.91
			<i>For Stainless Steel, Add</i>	13.39	
23 31 13 19-0021	EA		10" x 4" x 6" Register Boot, Center, Galvanized Steel	51.03	21.28
			<i>For Stainless Steel, Add</i>	11.00	
23 31 13 19-0022	EA		12" x 4" x 6" Register Boot, Center, Galvanized Steel	53.99	22.65
			<i>For Stainless Steel, Add</i>	11.28	
23 31 13 19-0023	EA		12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	46.03	18.54
			<i>For Stainless Steel, Add</i>	11.64	
23 31 13 19-0024	EA		14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	49.32	19.91
			<i>For Stainless Steel, Add</i>	12.35	
23 31 13 19-0025	EA		10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	43.51	17.17
			<i>For Stainless Steel, Add</i>	11.95	
23 31 13 19-0026	EA		12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	46.48	18.54
			<i>For Stainless Steel, Add</i>	12.22	
23 31 13 19-0027	EA		14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	50.34	19.91
			<i>For Stainless Steel, Add</i>	13.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0028 EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	50.34	19.91
<i>For Stainless Steel, Add</i>	13.68	
23 31 13 19-0029 EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	50.85	21.28
<i>For Stainless Steel, Add</i>	10.76	
23 31 13 19-0030 EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	53.83	22.65
<i>For Stainless Steel, Add</i>	11.08	
23 31 13 19-0031 EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	59.61	22.65
<i>For Stainless Steel, Add</i>	18.59	
23 31 13 19-0032 EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	62.35	24.03
<i>For Stainless Steel, Add</i>	18.59	
23 31 13 23 Galvanized Steel Welded Duct <small>(23 31 13)</small>		
<small>Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.</small>		
23 31 13 23-0001 Welded Steel Ductwork <small>(23 31 13 23)</small>		
<small>Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.</small>		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen <small>(23 31 13 23-0001)</small>		
<small>Note: Also includes special exhaust systems and waste.</small>		
23 31 13 23-0003 LB Galvanized Steel Welded Duct.....	26.53	11.29
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.89	
<i>For Work In Restricted Working Space, Add</i>	6.79	
<i>For Elevated Installation >10' To 15', Add</i>	2.26	
<i>For Elevated Installation >15' To 20', Add</i>	4.53	
<i>For Elevated Installation >20' To 25', Add</i>	5.66	
<i>For Elevated Installation >25' To 30', Add</i>	7.92	
<i>For Elevated Installation >30' To 35', Add</i>	9.05	
<i>For Elevated Installation >35' To 40', Add</i>	11.32	
<i>For Elevated Installation >40', Add</i>	12.45	
23 31 13 23-0004 Black Steel Ductwork <small>(23 31 13 23-0001)</small>		
23 31 13 23-0005 LB Black Steel Ductwork.....	24.16	11.64
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.65	
<i>For Work In Restricted Working Space, Add</i>	6.98	
<i>For Elevated Installation >10' To 15', Add</i>	2.33	
<i>For Elevated Installation >15' To 20', Add</i>	4.66	
<i>For Elevated Installation >20' To 25', Add</i>	5.82	
<i>For Elevated Installation >25' To 30', Add</i>	8.15	
<i>For Elevated Installation >30' To 35', Add</i>	9.31	
<i>For Elevated Installation >35' To 40', Add</i>	11.64	
<i>For Elevated Installation >40', Add</i>	12.80	
23 31 16 Non-metal Ducts <small>(23 31)</small>		
23 31 16 13 Fibrous-Glass Ducts <small>(23 31 16)</small>		
23 31 16 13-0001 Glass Fiber Duct Board <small>(23 31 16 13)</small>		
<small>Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.</small>		
23 31 16 13-0002 SF 1" Glass Fiber Duct Board (EI-475).....	11.61	2.33
23 31 16 13-0003 SF 1-1/2" Glass Fiber Duct Board (EI-800).....	13.69	2.56
23 31 16 13-0004 SF 2" Glass Fiber Duct Board (EI-800).....	15.85	2.82
23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts <small>(23 31 16)</small>		
23 31 16 16-0001 Fiber Reinforced Round Plastic Duct <small>(23 31 16 16)</small>		
23 31 16 16-0002 Fiber Reinforced Round Plastic Duct <small>(23 31 16 16-0001)</small>		
23 31 16 16-0003 LF 2" Fiber Reinforced Plastic Duct.....	19.31	6.03
23 31 16 16-0004 LF 3" Fiber Reinforced Plastic Duct.....	24.24	7.06
23 31 16 16-0005 LF 4" Fiber Reinforced Plastic Duct.....	32.80	10.37
23 31 16 16-0006 LF 6" Fiber Reinforced Plastic Duct.....	43.55	13.09
23 31 16 16-0007 LF 8" Fiber Reinforced Plastic Duct.....	55.21	16.40
23 31 16 16-0008 LF 10" Fiber Reinforced Plastic Duct.....	66.60	19.70
23 31 16 16-0009 LF 12" Fiber Reinforced Plastic Duct.....	74.87	23.01
23 31 16 16-0010 LF 14" Fiber Reinforced Plastic Duct.....	85.56	25.17
23 31 16 16-0011 LF 16" Fiber Reinforced Plastic Duct.....	92.52	26.77
23 31 16 16-0012 LF 18" Fiber Reinforced Plastic Duct.....	115.46	30.07
23 31 16 16-0013 LF 20" Fiber Reinforced Plastic Duct.....	121.34	32.23
23 31 16 16-0014 LF 24" Fiber Reinforced Plastic Duct.....	150.34	34.39
23 31 16 16-0015 LF 30" Fiber Reinforced Plastic Duct.....	172.12	39.86
23 31 16 16-0016 LF 36" Fiber Reinforced Plastic Duct.....	198.46	48.06
23 31 16 16-0017 LF 42" Fiber Reinforced Plastic Duct.....	266.72	53.53
23 31 16 16-0018 LF 48" Fiber Reinforced Plastic Duct.....	298.77	60.13
23 31 16 16-0019 LF 54" Fiber Reinforced Plastic Duct.....	331.66	68.90
23 31 16 16-0020 LF 60" Fiber Reinforced Plastic Duct.....	376.14	80.41
23 31 16 16-0021 LF 66" Fiber Reinforced Plastic Duct.....	401.98	98.40
23 31 16 16-0022 LF 72" Fiber Reinforced Plastic Duct.....	490.52	120.27

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16	16-0023		Fiber Reinforced Plastic Bell (23 31 16 16-0001)		
23 31 16	16-0024	EA	2" Fiber Reinforced Plastic Bell.....	66.42	24.48
23 31 16	16-0025	EA	3" Fiber Reinforced Plastic Bell.....	79.89	29.04
23 31 16	16-0026	EA	4" Fiber Reinforced Plastic Bell.....	92.32	34.16
23 31 16	16-0027	EA	6" Fiber Reinforced Plastic Bell.....	121.65	45.56
23 31 16	16-0028	EA	8" Fiber Reinforced Plastic Bell.....	148.79	56.95
23 31 16	16-0029	EA	10" Fiber Reinforced Plastic Bell.....	173.74	68.33
23 31 16	16-0030	EA	12" Fiber Reinforced Plastic Bell.....	215.49	84.84
23 31 16	16-0031	EA	14" Fiber Reinforced Plastic Bell.....	230.11	91.11
23 31 16	16-0032	EA	16" Fiber Reinforced Plastic Bell.....	249.27	97.37
23 31 16	16-0033	EA	18" Fiber Reinforced Plastic Bell.....	268.44	104.78
23 31 16	16-0034	EA	20" Fiber Reinforced Plastic Bell.....	293.21	113.89
23 31 16	16-0035	EA	24" Fiber Reinforced Plastic Bell.....	337.80	125.28
23 31 16	16-0036	EA	30" Fiber Reinforced Plastic Bell.....	388.93	136.66
23 31 16	16-0037	EA	36" Fiber Reinforced Plastic Bell.....	440.56	153.75
23 31 16	16-0038	EA	42" Fiber Reinforced Plastic Bell.....	492.18	170.83
23 31 16	16-0039	EA	48" Fiber Reinforced Plastic Bell.....	543.77	187.91
23 31 16	16-0040	EA	54" Fiber Reinforced Plastic Bell.....	673.66	227.77
23 31 16	16-0041	EA	60" Fiber Reinforced Plastic Bell.....	809.37	284.72
23 31 16	16-0042	EA	66" Fiber Reinforced Plastic Bell.....	971.18	341.66
23 31 16	16-0043	EA	72" Fiber Reinforced Plastic Bell.....	1,110.44	387.21
23 31 16	16-0044		Fiber Reinforced Plastic Flange (23 31 16 16-0001)		
23 31 16	16-0045	EA	2" Fiber Reinforced Plastic Flange.....	101.32	24.48
23 31 16	16-0046	EA	3" Fiber Reinforced Plastic Flange.....	116.97	29.04
23 31 16	16-0047	EA	4" Fiber Reinforced Plastic Flange.....	133.77	34.16
23 31 16	16-0048	EA	6" Fiber Reinforced Plastic Flange.....	174.00	45.56
23 31 16	16-0049	EA	8" Fiber Reinforced Plastic Flange.....	212.05	56.95
23 31 16	16-0050	EA	10" Fiber Reinforced Plastic Flange.....	250.08	68.33
23 31 16	16-0051	EA	12" Fiber Reinforced Plastic Flange.....	296.19	84.84
23 31 16	16-0052	EA	14" Fiber Reinforced Plastic Flange.....	328.26	91.11
23 31 16	16-0053	EA	16" Fiber Reinforced Plastic Flange.....	358.33	97.37
23 31 16	16-0054	EA	18" Fiber Reinforced Plastic Flange.....	381.87	104.78
23 31 16	16-0055	EA	20" Fiber Reinforced Plastic Flange.....	402.27	113.89
23 31 16	16-0056	EA	24" Fiber Reinforced Plastic Flange.....	468.67	125.28
23 31 16	16-0057	EA	30" Fiber Reinforced Plastic Flange.....	515.44	136.66
23 31 16	16-0058	EA	36" Fiber Reinforced Plastic Flange.....	630.32	153.75
23 31 16	16-0059	EA	42" Fiber Reinforced Plastic Flange.....	701.57	170.83
23 31 16	16-0060	EA	48" Fiber Reinforced Plastic Flange.....	794.61	187.91
23 31 16	16-0061	EA	54" Fiber Reinforced Plastic Flange.....	935.41	227.77
23 31 16	16-0062	EA	60" Fiber Reinforced Plastic Flange.....	1,121.28	284.72
23 31 16	16-0063	EA	66" Fiber Reinforced Plastic Flange.....	1,307.09	341.66
23 31 16	16-0064	EA	72" Fiber Reinforced Plastic Flange.....	1,494.34	387.21
23 31 16	16-0065		Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)		
23 31 16	16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow.....	170.38	59.00
23 31 16	16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow.....	200.42	70.49
23 31 16	16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow.....	232.62	82.00
23 31 16	16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow.....	302.19	109.33
23 31 16	16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow.....	371.73	136.66
23 31 16	16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow.....	441.31	164.00
23 31 16	16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow.....	542.74	203.97
23 31 16	16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow.....	610.74	215.93
23 31 16	16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow.....	691.89	234.49
23 31 16	16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow.....	816.12	251.46
23 31 16	16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow.....	935.49	273.33
23 31 16	16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow.....	1,079.20	300.66
23 31 16	16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow.....	1,430.09	327.99
23 31 16	16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow.....	1,814.75	368.99
23 31 16	16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow.....	2,362.98	410.11
23 31 16	16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow.....	2,791.29	451.11
23 31 16	16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow.....	3,310.46	546.66
23 31 16	16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow.....	4,018.11	683.32
23 31 16	16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow.....	4,725.31	819.76
23 31 16	16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow.....	5,387.20	928.97
23 31 16	16-0086		Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16	16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow.....	146.38	59.00
23 31 16	16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow.....	172.06	70.49
23 31 16	16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow.....	199.89	82.00
23 31 16	16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow.....	254.20	109.33
23 31 16	16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow.....	308.48	136.66
23 31 16	16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow.....	367.21	164.00
23 31 16	16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow.....	453.38	203.97
23 31 16	16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow.....	490.68	215.93
23 31 16	16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow.....	578.26	234.38
23 31 16	16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow.....	659.38	251.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	756.55	273.33
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	867.10	300.43
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	1,080.68	327.77
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,311.43	369.34
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,650.21	410.34
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	1,929.70	451.11
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	2,302.73	546.66
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	2,770.44	683.32
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	3,261.27	818.16
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	3,687.52	929.89
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee	223.03	88.03
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee	264.00	106.03
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee	303.16	122.99
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee	393.32	164.00
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee	481.66	203.97
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee	575.38	247.13
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee	695.55	299.52
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	758.38	324.12
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	870.36	352.14
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	977.65	377.20
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	1,119.68	410.11
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	1,275.33	451.11
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,506.89	491.88
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,795.41	553.72
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	2,334.01	615.21
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,763.97	676.83
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	3,330.64	820.56
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	3,999.29	1,025.43
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	4,667.29	1,229.86
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	5,268.89	1,394.55
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	190.29	88.03
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	224.70	106.03
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	257.38	122.99
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	330.13	164.00
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	401.03	203.97
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	481.65	247.13
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	578.02	299.75
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	627.00	323.89
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	687.38	352.25
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	742.63	377.53
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	810.43	410.34
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	895.79	451.11
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	987.29	491.65
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	1,114.26	553.38
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	1,244.13	615.56
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	1,367.53	676.61
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,636.25	818.16
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	2,006.54	1,027.26
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	2,422.09	1,230.77
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	2,716.84	1,394.55
23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)		
23 31 16 16-0150 EA 2" Fiber Reinforced Plastic One Piece Reducer	155.14	59.11
23 31 16 16-0151 EA 3" Fiber Reinforced Plastic One Piece Reducer	183.03	70.61
23 31 16 16-0152 EA 4" Fiber Reinforced Plastic One Piece Reducer	215.24	82.00
23 31 16 16-0153 EA 6" Fiber Reinforced Plastic One Piece Reducer	278.19	109.33
23 31 16 16-0154 EA 8" Fiber Reinforced Plastic One Piece Reducer	336.83	136.66
23 31 16 16-0155 EA 10" Fiber Reinforced Plastic One Piece Reducer	405.29	164.68
23 31 16 16-0156 EA 12" Fiber Reinforced Plastic One Piece Reducer	483.92	203.97
23 31 16 16-0157 EA 14" Fiber Reinforced Plastic One Piece Reducer	516.86	215.93
23 31 16 16-0158 EA 16" Fiber Reinforced Plastic One Piece Reducer	569.53	234.38
23 31 16 16-0159 EA 18" Fiber Reinforced Plastic One Piece Reducer	624.48	251.69
23 31 16 16-0160 EA 20" Fiber Reinforced Plastic One Piece Reducer	695.48	273.33
23 31 16 16-0161 EA 24" Fiber Reinforced Plastic One Piece Reducer	789.63	301.00
23 31 16 16-0162 EA 30" Fiber Reinforced Plastic One Piece Reducer	883.44	328.57
23 31 16 16-0163 EA 36" Fiber Reinforced Plastic One Piece Reducer	999.51	369.34
23 31 16 16-0164 EA 42" Fiber Reinforced Plastic One Piece Reducer	1,115.81	410.34
23 31 16 16-0165 EA 48" Fiber Reinforced Plastic One Piece Reducer	1,253.52	451.11
23 31 16 16-0166 EA 54" Fiber Reinforced Plastic One Piece Reducer	1,489.13	546.66
23 31 16 16-0167 EA 60" Fiber Reinforced Plastic One Piece Reducer	1,786.70	683.32
23 31 16 16-0168 EA 66" Fiber Reinforced Plastic One Piece Reducer	2,017.96	818.16
23 31 16 16-0169 EA 72" Fiber Reinforced Plastic One Piece Reducer	2,269.71	929.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16	16-0170		Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)		
23 31 16	16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	181.32	59.11
23 31 16	16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	200.48	70.61
23 31 16	16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	232.69	82.00
23 31 16	16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	302.19	109.33
23 31 16	16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	371.73	136.66
23 31 16	16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	442.38	164.68
23 31 16	16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	531.91	203.97
23 31 16	16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	577.93	215.93
23 31 16	16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	630.61	234.38
23 31 16	16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	707.36	251.69
23 31 16	16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	878.70	273.33
23 31 16	16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,057.93	301.00
23 31 16	16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,136.46	328.57
23 31 16	16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,291.79	369.34
23 31 16	16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,403.73	410.34
23 31 16	16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,537.08	451.11
23 31 16	16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,718.16	546.66
23 31 16	16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,002.64	683.32
23 31 16	16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,257.90	818.16
23 31 16	16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,487.83	929.89
23 31 16	16-0191		Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)		
23 31 16	16-0192	EA	2" Fiber Reinforced Plastic Damper	455.12	59.00
23 31 16	16-0193	EA	3" Fiber Reinforced Plastic Damper	511.82	70.49
23 31 16	16-0194	EA	4" Fiber Reinforced Plastic Damper	568.49	82.00
23 31 16	16-0195	EA	6" Fiber Reinforced Plastic Damper	670.39	109.33
23 31 16	16-0196	EA	8" Fiber Reinforced Plastic Damper	791.04	136.66
23 31 16	16-0197	EA	10" Fiber Reinforced Plastic Damper	892.95	164.00
23 31 16	16-0198	EA	12" Fiber Reinforced Plastic Damper	1,015.81	203.97
23 31 16	16-0199	EA	14" Fiber Reinforced Plastic Damper	1,129.71	215.93
23 31 16	16-0200	EA	16" Fiber Reinforced Plastic Damper	1,254.57	234.49
23 31 16	16-0201	EA	18" Fiber Reinforced Plastic Damper	1,376.70	251.46
23 31 16	16-0202	EA	20" Fiber Reinforced Plastic Damper	1,469.51	273.33
23 31 16	16-0203	EA	24" Fiber Reinforced Plastic Damper	1,665.27	300.66
23 31 16	16-0204	EA	30" Fiber Reinforced Plastic Damper	1,936.10	327.99
23 31 16	16-0205	EA	36" Fiber Reinforced Plastic Damper	2,229.79	368.99
23 31 16	16-0206	EA	42" Fiber Reinforced Plastic Damper	2,561.01	410.11
23 31 16	16-0207	EA	48" Fiber Reinforced Plastic Damper	2,854.72	451.11
23 31 16	16-0208	EA	54" Fiber Reinforced Plastic Damper	3,351.95	546.66
23 31 16	16-0209	EA	60" Fiber Reinforced Plastic Damper	3,917.69	683.32
23 31 16	16-0210	EA	66" Fiber Reinforced Plastic Damper	4,445.43	819.76
23 31 16	16-0211	EA	72" Fiber Reinforced Plastic Damper	5,115.62	928.97
23 31 16	23		Fabric Ducts (23 31 16)		
23 31 16	23-0001		Heavy Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)		
23 31 16	23-0002		Heavy Duty Fabric Duct Without Vents (23 31 16 23-0001)		
Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.					
23 31 16	23-0003	EA	12" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	192.13	9.53
Note: Excludes suspension cable and hardware.					
23 31 16	23-0004	EA	12" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	299.76	12.71
Note: Excludes suspension cable and hardware.					
23 31 16	23-0005	EA	16" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	233.16	15.89
Note: Excludes suspension cable and hardware.					
23 31 16	23-0006	EA	16" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	346.30	20.87
Note: Excludes suspension cable and hardware.					
23 31 16	23-0007	EA	20" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	283.71	21.78
Note: Excludes suspension cable and hardware.					
23 31 16	23-0008	EA	20" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	405.90	29.04
Note: Excludes suspension cable and hardware.					
23 31 16	23-0009	EA	24" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	331.28	28.13
Note: Excludes suspension cable and hardware.					
23 31 16	23-0010	EA	24" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	465.50	37.21
Note: Excludes suspension cable and hardware.					
23 31 16	23-0011	EA	28" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	369.78	32.22
Note: Excludes suspension cable and hardware.					
23 31 16	23-0012	EA	28" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	553.08	43.11
Note: Excludes suspension cable and hardware.					
23 31 16	23-0013	EA	32" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	406.93	35.85
Note: Excludes suspension cable and hardware.					
23 31 16	23-0014	EA	32" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	616.93	47.65
Note: Excludes suspension cable and hardware.					
23 31 16	23-0015	EA	36" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents	443.83	40.84
Note: Excludes suspension cable and hardware.					
23 31 16	23-0016	EA	36" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents	711.61	54.45
Note: Excludes suspension cable and hardware.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0017 Heavy Duty Fabric Duct With Vents <small>(23 31 16 23-0001)</small>		
23 31 16 23-0018 EA 12" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	517.57	12.71
23 31 16 23-0019 EA 16" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	577.18	20.87
23 31 16 23-0020 EA 20" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	647.67	29.04
23 31 16 23-0021 EA 24" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	720.34	37.21
23 31 16 23-0022 EA 28" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	866.73	43.11
23 31 16 23-0023 EA 32" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	930.58	47.65
23 31 16 23-0024 EA 36" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	1,051.40	54.45
 23 31 16 23-0025 Heavy Duty Fabric Duct 90 Degree Elbow <small>(23 31 16 23-0001)</small>		
23 31 16 23-0026 EA 12" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	387.47	13.62
23 31 16 23-0027 EA 16" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	436.18	21.78
23 31 16 23-0028 EA 20" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	587.61	23.59
23 31 16 23-0029 EA 24" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	719.09	31.76
23 31 16 23-0030 EA 28" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	906.51	35.40
23 31 16 23-0031 EA 32" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,127.42	38.57
23 31 16 23-0032 EA 36" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,280.68	43.11
 23 31 16 23-0033 Heavy Duty Fabric Duct 45 Degree Elbow <small>(23 31 16 23-0001)</small>		
23 31 16 23-0034 EA 12" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	298.17	13.62
23 31 16 23-0035 EA 16" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	353.41	21.78
23 31 16 23-0036 EA 20" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	395.94	23.59
23 31 16 23-0037 EA 24" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	464.25	31.76
23 31 16 23-0038 EA 28" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	536.24	35.40
23 31 16 23-0039 EA 32" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	641.70	38.57
23 31 16 23-0040 EA 36" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	731.69	43.11
 23 31 16 23-0041 Heavy Duty Fabric Duct Tee <small>(23 31 16 23-0001)</small>		
23 31 16 23-0042 EA 16" x 12" x 12" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	945.61	31.76
23 31 16 23-0043 EA 20" x 16" x 16" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	996.04	34.03
23 31 16 23-0044 EA 24" x 16" x 16" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,084.08	45.84
23 31 16 23-0045 EA 28" x 20" x 20" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,141.96	51.28
23 31 16 23-0046 EA 32" x 24" x 24" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,186.20	55.81
23 31 16 23-0047 EA 36" x 28" x 28" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,246.04	62.62
 23 31 16 23-0048 Heavy Duty Fabric Duct Inlets <small>(23 31 16 23-0001)</small>		
23 31 16 23-0049 EA 12" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	156.59	13.62
23 31 16 23-0050 EA 16" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	187.87	21.78
23 31 16 23-0051 EA 20" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	202.09	23.59
23 31 16 23-0052 EA 24" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	235.55	31.76
23 31 16 23-0053 EA 28" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	253.08	35.40
23 31 16 23-0054 EA 32" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	271.43	38.57
23 31 16 23-0055 EA 36" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	298.24	43.11

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 23-0056 Heavy Duty Fabric Duct Cap (23 31 16 23-0001)			
23 31 16 23-0057	EA	12" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	92.16 8.17
23 31 16 23-0058	EA	16" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	118.17 13.16
23 31 16 23-0059	EA	20" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	138.36 14.07
23 31 16 23-0060	EA	24" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	192.69 19.05
23 31 16 23-0061	EA	28" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	230.06 21.32
23 31 16 23-0062	EA	32" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	285.66 23.14
23 31 16 23-0063	EA	36" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	322.22 25.86
23 31 16 23-0064 Heavy Duty Fabric Duct Suspension Hardware (23 31 16 23-0001)			
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	38.33 6.88
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	59.56 10.31
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	14.69 3.44
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	0.81 0.14
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs.....	33.51 6.88
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	67.25 6.88
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	92.45 10.31
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	18.76 3.44
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct.....	2.47 0.14
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs.....	44.05 6.88

23 33 Air Duct Accessories (23 30)

23 33 13 Dampers (23 33)

23 33 13 13 Volume-Control Dampers (23 33 13)

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) (23 33 13 13)

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 127.54 <i>For Parallel Blade Damper, Add</i> 39.24	140.72 10.98
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 129.38 <i>For Parallel Blade Damper, Add</i> 39.81	148.95 12.36
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 130.74 <i>For Parallel Blade Damper, Add</i> 40.23	158.04 13.73
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 138.92 <i>For Parallel Blade Damper, Add</i> 42.74	170.23 16.48
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 147.10 <i>For Parallel Blade Damper, Add</i> 45.26	183.76 17.85
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 187.95 <i>For Parallel Blade Damper, Add</i> 57.83	221.81 19.22
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 204.30 <i>For Parallel Blade Damper, Add</i> 62.86	242.37 20.60
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 212.43 <i>For Parallel Blade Damper, Add</i> 65.36	254.94 23.34
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 236.96 <i>For Parallel Blade Damper, Add</i> 72.91	281.13 24.71
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 294.18 <i>For Parallel Blade Damper, Add</i> 90.52	333.74 27.46
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 334.98 <i>For Parallel Blade Damper, Add</i> 103.07	370.02 27.46
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i> 392.20 <i>For Parallel Blade Damper, Add</i> 120.68	425.26 31.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	458.82 427.36 131.50	32.95
23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) <small>(23 33 13 13)</small>		
23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	141.81 124.81 38.40	15.26
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	150.68 133.68 41.13	15.95
23 33 13 13-0018 EA 8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	157.82 142.60 43.88	16.09
23 33 13 13-0019 EA 10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	157.82 142.60 43.88	16.09
23 33 13 13-0020 EA 10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	166.06 151.52 46.62	16.50
23 33 13 13-0021 EA 10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	185.25 169.31 52.10	18.29
23 33 13 13-0022 EA 12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	166.06 151.52 46.62	16.50
23 33 13 13-0023 EA 12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	182.49 169.31 52.10	17.46
23 33 13 13-0024 EA 12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	192.16 178.30 54.86	18.29
23 33 13 13-0025 EA 12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	212.44 195.73 60.22	20.63
23 33 13 13-0026 EA 14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	179.10 164.91 50.74	17.46
23 33 13 13-0027 EA 14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	192.16 178.30 54.86	18.29
23 33 13 13-0028 EA 14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	201.77 187.21 57.60	19.26
23 33 13 13-0029 EA 14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	212.76 196.14 60.35	20.63
23 33 13 13-0030 EA 14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	236.74 218.39 67.20	22.97
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	192.16 178.30 54.86	18.29
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	203.14 187.21 57.60	19.66
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	215.51 196.14 60.35	21.59
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	226.44 205.00 63.08	22.97
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	250.53 227.37 69.96	25.17
23 33 13 13-0036 EA 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	274.52 249.63 76.81	27.50
23 33 13 13-0037 EA 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	201.77 187.21 57.60	19.26
23 33 13 13-0038 EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	216.14 200.54 61.70	20.63
23 33 13 13-0039 EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	233.36 213.99 65.84	22.97
23 33 13 13-0040 EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	257.40 236.30 72.71	25.17
23 33 13 13-0041 EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	277.95 254.09 78.18	27.50

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.28	29.71
			<i>For Stainless Steel, Add</i>	263.77	
			<i>For Parallel Blade Damper, Add</i>	81.16	
23 33 13	13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	308.99	32.04
			<i>For Stainless Steel, Add</i>	276.55	
			<i>For Parallel Blade Damper, Add</i>	85.09	
23 33 13	13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.04	20.63
			<i>For Stainless Steel, Add</i>	178.31	
			<i>For Parallel Blade Damper, Add</i>	54.86	
23 33 13	13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.35	22.97
			<i>For Stainless Steel, Add</i>	194.48	
			<i>For Parallel Blade Damper, Add</i>	59.84	
23 33 13	13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.71	25.17
			<i>For Stainless Steel, Add</i>	210.70	
			<i>For Parallel Blade Damper, Add</i>	64.83	
23 33 13	13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.54	27.50
			<i>For Stainless Steel, Add</i>	243.15	
			<i>For Parallel Blade Damper, Add</i>	74.82	
23 33 13	13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.78	29.71
			<i>For Stainless Steel, Add</i>	255.32	
			<i>For Parallel Blade Damper, Add</i>	78.56	
23 33 13	13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.02	32.04
			<i>For Stainless Steel, Add</i>	267.49	
			<i>For Parallel Blade Damper, Add</i>	82.30	
23 33 13	13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.33	34.38
			<i>For Stainless Steel, Add</i>	283.66	
			<i>For Parallel Blade Damper, Add</i>	87.28	
23 33 13	13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.65	36.58
			<i>For Stainless Steel, Add</i>	299.83	
			<i>For Parallel Blade Damper, Add</i>	92.26	
23 33 13	13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.59	22.97
			<i>For Stainless Steel, Add</i>	202.59	
			<i>For Parallel Blade Damper, Add</i>	62.34	
23 33 13	13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.19	25.17
			<i>For Stainless Steel, Add</i>	226.93	
			<i>For Parallel Blade Damper, Add</i>	69.82	
23 33 13	13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.54	27.50
			<i>For Stainless Steel, Add</i>	243.15	
			<i>For Parallel Blade Damper, Add</i>	74.82	
23 33 13	13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.14	29.71
			<i>For Stainless Steel, Add</i>	267.49	
			<i>For Parallel Blade Damper, Add</i>	82.30	
23 33 13	13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	311.34	32.04
			<i>For Stainless Steel, Add</i>	279.60	
			<i>For Parallel Blade Damper, Add</i>	86.03	
23 33 13	13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.57	34.38
			<i>For Stainless Steel, Add</i>	291.77	
			<i>For Parallel Blade Damper, Add</i>	89.78	
23 33 13	13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.13	36.58
			<i>For Stainless Steel, Add</i>	316.06	
			<i>For Parallel Blade Damper, Add</i>	97.25	
23 33 13	13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	385.56	41.26
			<i>For Stainless Steel, Add</i>	340.34	
			<i>For Parallel Blade Damper, Add</i>	104.72	
23 33 13	13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.31	45.80
			<i>For Stainless Steel, Add</i>	372.84	
			<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13	13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.19	25.17
			<i>For Stainless Steel, Add</i>	226.93	
			<i>For Parallel Blade Damper, Add</i>	69.82	
23 33 13	13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.54	27.50
			<i>For Stainless Steel, Add</i>	243.15	
			<i>For Parallel Blade Damper, Add</i>	74.82	
23 33 13	13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.14	29.71
			<i>For Stainless Steel, Add</i>	267.49	
			<i>For Parallel Blade Damper, Add</i>	82.30	
23 33 13	13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.46	32.04
			<i>For Stainless Steel, Add</i>	283.66	
			<i>For Parallel Blade Damper, Add</i>	87.28	
23 33 13	13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.89	34.38
			<i>For Stainless Steel, Add</i>	303.89	
			<i>For Parallel Blade Damper, Add</i>	93.50	
23 33 13	13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.33	36.58
			<i>For Stainless Steel, Add</i>	324.12	
			<i>For Parallel Blade Damper, Add</i>	99.73	
23 33 13	13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	391.80	41.26
			<i>For Stainless Steel, Add</i>	348.45	
			<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13	13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.31	45.80
			<i>For Stainless Steel, Add</i>	372.84	
			<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13	13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	468.55	48.13
			<i>For Stainless Steel, Add</i>	421.41	
			<i>For Parallel Blade Damper, Add</i>	129.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0070 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.46	52.67
<i>For Stainless Steel, Add</i>	461.92	
<i>For Parallel Blade Damper, Add</i>	142.13	
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.26	27.50
<i>For Stainless Steel, Add</i>	267.49	
<i>For Parallel Blade Damper, Add</i>	82.30	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.34	29.71
<i>For Stainless Steel, Add</i>	275.55	
<i>For Parallel Blade Damper, Add</i>	84.78	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.46	32.04
<i>For Stainless Steel, Add</i>	283.66	
<i>For Parallel Blade Damper, Add</i>	87.28	
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.77	34.38
<i>For Stainless Steel, Add</i>	299.83	
<i>For Parallel Blade Damper, Add</i>	92.26	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.54	36.58
<i>For Stainless Steel, Add</i>	325.69	
<i>For Parallel Blade Damper, Add</i>	100.21	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	391.80	41.26
<i>For Stainless Steel, Add</i>	348.45	
<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	430.55	45.80
<i>For Stainless Steel, Add</i>	380.95	
<i>For Parallel Blade Damper, Add</i>	117.22	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	469.23	50.32
<i>For Stainless Steel, Add</i>	413.35	
<i>For Parallel Blade Damper, Add</i>	127.18	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.46	52.67
<i>For Stainless Steel, Add</i>	461.92	
<i>For Parallel Blade Damper, Add</i>	142.13	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	568.14	56.38
<i>For Stainless Steel, Add</i>	518.70	
<i>For Parallel Blade Damper, Add</i>	159.60	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	627.64	59.54
<i>For Stainless Steel, Add</i>	583.54	
<i>For Parallel Blade Damper, Add</i>	179.55	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.82	29.71
<i>For Stainless Steel, Add</i>	291.77	
<i>For Parallel Blade Damper, Add</i>	89.78	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.14	32.04
<i>For Stainless Steel, Add</i>	307.94	
<i>For Parallel Blade Damper, Add</i>	94.75	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	352.45	34.38
<i>For Stainless Steel, Add</i>	324.12	
<i>For Parallel Blade Damper, Add</i>	99.73	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.05	36.58
<i>For Stainless Steel, Add</i>	348.45	
<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	401.20	41.26
<i>For Stainless Steel, Add</i>	360.67	
<i>For Parallel Blade Damper, Add</i>	110.98	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.44	43.46
<i>For Stainless Steel, Add</i>	372.84	
<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	469.23	50.32
<i>For Stainless Steel, Add</i>	413.35	
<i>For Parallel Blade Damper, Add</i>	127.18	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.10	55.01
<i>For Stainless Steel, Add</i>	453.80	
<i>For Parallel Blade Damper, Add</i>	139.63	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	557.03	56.79
<i>For Stainless Steel, Add</i>	502.48	
<i>For Parallel Blade Damper, Add</i>	154.61	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	619.25	60.92
<i>For Stainless Steel, Add</i>	567.27	
<i>For Parallel Blade Damper, Add</i>	174.54	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.51	64.08
<i>For Stainless Steel, Add</i>	624.00	
<i>For Parallel Blade Damper, Add</i>	192.00	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	729.27	66.41
<i>For Stainless Steel, Add</i>	688.84	
<i>For Parallel Blade Damper, Add</i>	211.95	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	326.90	34.38
<i>For Stainless Steel, Add</i>	299.83	
<i>For Parallel Blade Damper, Add</i>	92.26	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	358.69	36.58
<i>For Stainless Steel, Add</i>	332.23	
<i>For Parallel Blade Damper, Add</i>	102.22	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.81	38.92
<i>For Stainless Steel, Add</i>	340.34	
<i>For Parallel Blade Damper, Add</i>	104.72	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.93	41.26
<i>For Stainless Steel, Add</i>	348.45	
<i>For Parallel Blade Damper, Add</i>	107.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	420.52	43.46
			<i>For Stainless Steel, Add</i>	376.84	
			<i>For Parallel Blade Damper, Add</i>	115.95	
23 33 13	13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.23	45.80
			<i>For Stainless Steel, Add</i>	405.24	
			<i>For Parallel Blade Damper, Add</i>	124.69	
23 33 13	13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.78	52.67
			<i>For Stainless Steel, Add</i>	437.63	
			<i>For Parallel Blade Damper, Add</i>	134.66	
23 33 13	13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	533.50	57.20
			<i>For Stainless Steel, Add</i>	470.08	
			<i>For Parallel Blade Damper, Add</i>	144.64	
23 33 13	13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	581.89	60.92
			<i>For Stainless Steel, Add</i>	518.70	
			<i>For Parallel Blade Damper, Add</i>	159.60	
23 33 13	13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	660.07	64.08
			<i>For Stainless Steel, Add</i>	607.83	
			<i>For Parallel Blade Damper, Add</i>	187.02	
23 33 13	13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	708.44	67.80
			<i>For Stainless Steel, Add</i>	656.40	
			<i>For Parallel Blade Damper, Add</i>	201.97	
23 33 13	13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.54	69.58
			<i>For Stainless Steel, Add</i>	745.58	
			<i>For Parallel Blade Damper, Add</i>	229.41	
23 33 13	13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	855.90	73.29
			<i>For Stainless Steel, Add</i>	826.64	
			<i>For Parallel Blade Damper, Add</i>	254.35	
23 33 13	13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.25	34.38
			<i>For Stainless Steel, Add</i>	316.06	
			<i>For Parallel Blade Damper, Add</i>	97.25	
23 33 13	13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.05	36.58
			<i>For Stainless Steel, Add</i>	348.45	
			<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13	13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.69	38.92
			<i>For Stainless Steel, Add</i>	372.84	
			<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13	13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.80	41.26
			<i>For Stainless Steel, Add</i>	380.95	
			<i>For Parallel Blade Damper, Add</i>	117.22	
23 33 13	13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	448.60	43.46
			<i>For Stainless Steel, Add</i>	413.35	
			<i>For Parallel Blade Damper, Add</i>	127.18	
23 33 13	13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.39	45.80
			<i>For Stainless Steel, Add</i>	445.74	
			<i>For Parallel Blade Damper, Add</i>	137.15	
23 33 13	13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	539.10	55.01
			<i>For Stainless Steel, Add</i>	486.30	
			<i>For Parallel Blade Damper, Add</i>	149.63	
23 33 13	13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.96	59.54
			<i>For Stainless Steel, Add</i>	526.76	
			<i>For Parallel Blade Damper, Add</i>	162.08	
23 33 13	13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	660.07	64.08
			<i>For Stainless Steel, Add</i>	607.83	
			<i>For Parallel Blade Damper, Add</i>	187.02	
23 33 13	13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	729.95	68.75
			<i>For Stainless Steel, Add</i>	680.78	
			<i>For Parallel Blade Damper, Add</i>	209.47	
23 33 13	13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	805.98	73.29
			<i>For Stainless Steel, Add</i>	761.75	
			<i>For Parallel Blade Damper, Add</i>	234.38	
23 33 13	13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	868.97	75.49
			<i>For Stainless Steel, Add</i>	834.70	
			<i>For Parallel Blade Damper, Add</i>	256.83	
23 33 13	13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	931.97	77.83
			<i>For Stainless Steel, Add</i>	907.66	
			<i>For Parallel Blade Damper, Add</i>	279.28	
23 33 13	13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	994.97	80.17
			<i>For Stainless Steel, Add</i>	960.62	
			<i>For Parallel Blade Damper, Add</i>	301.73	
23 33 13	13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.81	36.58
			<i>For Stainless Steel, Add</i>	340.34	
			<i>For Parallel Blade Damper, Add</i>	104.72	
23 33 13	13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.69	38.92
			<i>For Stainless Steel, Add</i>	372.84	
			<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13	13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.80	41.26
			<i>For Stainless Steel, Add</i>	380.95	
			<i>For Parallel Blade Damper, Add</i>	117.22	
23 33 13	13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.23	45.80
			<i>For Stainless Steel, Add</i>	405.24	
			<i>For Parallel Blade Damper, Add</i>	124.69	
23 33 13	13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.91	50.32
			<i>For Stainless Steel, Add</i>	437.63	
			<i>For Parallel Blade Damper, Add</i>	134.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	526.62	55.01
For Stainless Steel, Add	470.08	
For Parallel Blade Damper, Add	144.64	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.76	59.54
For Stainless Steel, Add	518.70	
For Parallel Blade Damper, Add	159.60	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	628.87	64.08
For Stainless Steel, Add	567.27	
For Parallel Blade Damper, Add	174.54	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	698.75	68.75
For Stainless Steel, Add	640.22	
For Parallel Blade Damper, Add	196.99	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	781.06	73.29
For Stainless Steel, Add	729.35	
For Parallel Blade Damper, Add	224.42	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	844.10	75.49
For Stainless Steel, Add	802.37	
For Parallel Blade Damper, Add	246.88	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	925.73	77.83
For Stainless Steel, Add	899.55	
For Parallel Blade Damper, Add	276.78	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	995.60	82.37
For Stainless Steel, Add	972.50	
For Parallel Blade Damper, Add	299.23	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,077.28	84.71
For Stainless Steel, Add	1,069.74	
For Parallel Blade Damper, Add	329.15	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,147.79	91.58
For Stainless Steel, Add	1,134.59	
For Parallel Blade Damper, Add	349.10	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	397.45	38.92
For Stainless Steel, Add	364.73	
For Parallel Blade Damper, Add	112.22	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.24	41.26
For Stainless Steel, Add	397.12	
For Parallel Blade Damper, Add	122.19	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.91	45.80
For Stainless Steel, Add	429.52	
For Parallel Blade Damper, Add	132.16	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.91	50.32
For Stainless Steel, Add	437.63	
For Parallel Blade Damper, Add	134.66	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.74	55.01
For Stainless Steel, Add	474.14	
For Parallel Blade Damper, Add	145.89	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	571.52	59.54
For Stainless Steel, Add	510.59	
For Parallel Blade Damper, Add	157.10	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	622.67	64.08
For Stainless Steel, Add	559.21	
For Parallel Blade Damper, Add	172.06	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	673.83	68.75
For Stainless Steel, Add	607.83	
For Parallel Blade Damper, Add	187.02	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	743.70	73.29
For Stainless Steel, Add	680.78	
For Parallel Blade Damper, Add	209.47	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	832.21	77.83
For Stainless Steel, Add	777.97	
For Parallel Blade Damper, Add	239.38	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	901.41	80.17
For Stainless Steel, Add	858.99	
For Parallel Blade Damper, Add	264.30	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	989.36	82.37
For Stainless Steel, Add	964.39	
For Parallel Blade Damper, Add	296.74	
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,077.88	87.04
For Stainless Steel, Add	1,061.58	
For Parallel Blade Damper, Add	326.64	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,147.79	91.58
For Stainless Steel, Add	1,134.59	
For Parallel Blade Damper, Add	349.10	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,243.21	98.46
For Stainless Steel, Add	1,231.83	
For Parallel Blade Damper, Add	379.02	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,319.33	103.00
For Stainless Steel, Add	1,312.91	
For Parallel Blade Damper, Add	403.97	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.80	41.26
For Stainless Steel, Add	380.95	
For Parallel Blade Damper, Add	117.22	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	461.67	45.80
For Stainless Steel, Add	421.41	
For Parallel Blade Damper, Add	129.66	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.15	50.32
			<i>For Stainless Steel, Add</i>	445.74	
			<i>For Parallel Blade Damper, Add</i>	137.15	
23 33 13	13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.10	55.01
			<i>For Stainless Steel, Add</i>	453.80	
			<i>For Parallel Blade Damper, Add</i>	139.63	
23 33 13	13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	562.16	59.54
			<i>For Stainless Steel, Add</i>	498.42	
			<i>For Parallel Blade Damper, Add</i>	153.36	
23 33 13	13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	610.19	64.08
			<i>For Stainless Steel, Add</i>	542.98	
			<i>For Parallel Blade Damper, Add</i>	167.07	
23 33 13	13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	658.23	68.75
			<i>For Stainless Steel, Add</i>	587.55	
			<i>For Parallel Blade Damper, Add</i>	180.78	
23 33 13	13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	706.26	73.29
			<i>For Stainless Steel, Add</i>	632.11	
			<i>For Parallel Blade Damper, Add</i>	194.50	
23 33 13	13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	794.81	77.83
			<i>For Stainless Steel, Add</i>	729.35	
			<i>For Parallel Blade Damper, Add</i>	224.42	
23 33 13	13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	876.53	80.17
			<i>For Stainless Steel, Add</i>	826.64	
			<i>For Parallel Blade Damper, Add</i>	254.35	
23 33 13	13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	951.96	82.37
			<i>For Stainless Steel, Add</i>	915.77	
			<i>For Parallel Blade Damper, Add</i>	281.78	
23 33 13	13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,053.00	87.04
			<i>For Stainless Steel, Add</i>	1,029.24	
			<i>For Parallel Blade Damper, Add</i>	316.69	
23 33 13	13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,141.55	91.58
			<i>For Stainless Steel, Add</i>	1,126.48	
			<i>For Parallel Blade Damper, Add</i>	346.61	
23 33 13	13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,236.34	96.12
			<i>For Stainless Steel, Add</i>	1,231.83	
			<i>For Parallel Blade Damper, Add</i>	379.02	
23 33 13	13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,312.45	100.80
			<i>For Stainless Steel, Add</i>	1,312.91	
			<i>For Parallel Blade Damper, Add</i>	403.97	
23 33 13	13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,407.25	105.33
			<i>For Stainless Steel, Add</i>	1,418.26	
			<i>For Parallel Blade Damper, Add</i>	436.39	
23 33 13	13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,502.04	109.87
			<i>For Stainless Steel, Add</i>	1,523.61	
			<i>For Parallel Blade Damper, Add</i>	468.80	
23 33 13	13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.23	45.80
			<i>For Stainless Steel, Add</i>	405.24	
			<i>For Parallel Blade Damper, Add</i>	124.69	
23 33 13	13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.15	50.32
			<i>For Stainless Steel, Add</i>	445.74	
			<i>For Parallel Blade Damper, Add</i>	137.15	
23 33 13	13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	520.34	55.01
			<i>For Stainless Steel, Add</i>	461.92	
			<i>For Parallel Blade Damper, Add</i>	142.13	
23 33 13	13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	540.36	59.54
			<i>For Stainless Steel, Add</i>	470.08	
			<i>For Parallel Blade Damper, Add</i>	144.64	
23 33 13	13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	591.51	64.08
			<i>For Stainless Steel, Add</i>	518.70	
			<i>For Parallel Blade Damper, Add</i>	159.60	
23 33 13	13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	642.63	68.75
			<i>For Stainless Steel, Add</i>	567.27	
			<i>For Parallel Blade Damper, Add</i>	174.54	
23 33 13	13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	696.90	73.29
			<i>For Stainless Steel, Add</i>	619.94	
			<i>For Parallel Blade Damper, Add</i>	190.75	
23 33 13	13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	751.17	77.83
			<i>For Stainless Steel, Add</i>	672.62	
			<i>For Parallel Blade Damper, Add</i>	206.96	
23 33 13	13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	839.09	80.17
			<i>For Stainless Steel, Add</i>	777.97	
			<i>For Parallel Blade Damper, Add</i>	239.38	
23 33 13	13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	920.76	82.37
			<i>For Stainless Steel, Add</i>	875.21	
			<i>For Parallel Blade Damper, Add</i>	269.30	
23 33 13	13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,015.60	87.04
			<i>For Stainless Steel, Add</i>	980.62	
			<i>For Parallel Blade Damper, Add</i>	301.73	
23 33 13	13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,110.39	91.58
			<i>For Stainless Steel, Add</i>	1,085.97	
			<i>For Parallel Blade Damper, Add</i>	334.14	
23 33 13	13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,186.46	96.12
			<i>For Stainless Steel, Add</i>	1,166.98	
			<i>For Parallel Blade Damper, Add</i>	359.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0182 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,299.92	100.80
<i>For Stainless Steel, Add</i>	1,296.62	
<i>For Parallel Blade Damper, Add</i>	398.96	
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,400.96	105.33
<i>For Stainless Steel, Add</i>	1,410.08	
<i>For Parallel Blade Damper, Add</i>	433.87	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,502.04	109.87
<i>For Stainless Steel, Add</i>	1,523.61	
<i>For Parallel Blade Damper, Add</i>	468.80	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,590.50	114.55
<i>For Stainless Steel, Add</i>	1,620.74	
<i>For Parallel Blade Damper, Add</i>	498.69	
23 33 13 13-0186 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,679.14	119.09
<i>For Stainless Steel, Add</i>	1,718.09	
<i>For Parallel Blade Damper, Add</i>	528.64	
 23 33 13 16 Fire Dampers (23 33 13)		
23 33 13 16-0001 Fire Dampers (23 33 13 16)		
23 33 13 16-0002 SF Curtain Type, Vertical, Fire Damper	145.91	14.85
<i>For Smoke Damper, Add</i>	86.03	
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.77	
<i>For Dynamic Damper, Add</i>	54.65	
<i>For 3 Hour Rated, Add</i>	30.36	
23 33 13 16-0003 SF Louver Type, Vertical, Fire Damper	201.12	14.85
<i>For Smoke Damper, Add</i>	132.96	
<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.19	
<i>For Dynamic Damper, Add</i>	84.47	
<i>For 3 Hour Rated, Add</i>	46.93	
 23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)		
Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.65	15.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	6.72	
<i>For Dynamic Damper, Add</i>	16.12	
<i>For 3 Hour Rated, Add</i>	8.96	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.46	
23 33 13 16-0006 EA 8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.81	15.95
<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.19	
<i>For Dynamic Damper, Add</i>	17.26	
<i>For 3 Hour Rated, Add</i>	9.59	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	7.99	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.23	16.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.67	
<i>For Dynamic Damper, Add</i>	18.41	
<i>For 3 Hour Rated, Add</i>	10.23	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.53	
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.23	16.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	7.67	
<i>For Dynamic Damper, Add</i>	18.41	
<i>For 3 Hour Rated, Add</i>	10.23	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	8.53	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.74	16.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.15	
<i>For Dynamic Damper, Add</i>	19.56	
<i>For 3 Hour Rated, Add</i>	10.87	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.06	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.50	18.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.11	
<i>For Dynamic Damper, Add</i>	21.86	
<i>For 3 Hour Rated, Add</i>	12.15	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.12	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.74	16.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.15	
<i>For Dynamic Damper, Add</i>	19.56	
<i>For 3 Hour Rated, Add</i>	10.87	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.06	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.74	17.46
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.11	
<i>For Dynamic Damper, Add</i>	21.86	
<i>For 3 Hour Rated, Add</i>	12.15	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.12	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.63	18.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.59	
<i>For Dynamic Damper, Add</i>	23.01	
<i>For 3 Hour Rated, Add</i>	12.79	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.66	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	106.64	20.63
<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.07	
<i>For Dynamic Damper, Add</i>	24.17	
<i>For 3 Hour Rated, Add</i>	13.43	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.68	17.46
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	8.87	
			<i>For Dynamic Damper, Add</i>	21.29	
			<i>For 3 Hour Rated, Add</i>	11.83	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	9.86	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.63	18.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.59	
			<i>For Dynamic Damper, Add</i>	23.01	
			<i>For 3 Hour Rated, Add</i>	12.79	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.66	
23 33 13 16-0017	EA		14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.52	19.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.07	
			<i>For Dynamic Damper, Add</i>	24.17	
			<i>For 3 Hour Rated, Add</i>	13.43	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.19	
23 33 13 16-0018	EA		14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.78	20.63
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.55	
			<i>For Dynamic Damper, Add</i>	25.33	
			<i>For 3 Hour Rated, Add</i>	14.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.73	
23 33 13 16-0019	EA		14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.98	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.75	
			<i>For Dynamic Damper, Add</i>	28.20	
			<i>For 3 Hour Rated, Add</i>	15.67	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.06	
23 33 13 16-0020	EA		16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.63	18.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	9.59	
			<i>For Dynamic Damper, Add</i>	23.01	
			<i>For 3 Hour Rated, Add</i>	12.79	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	10.66	
23 33 13 16-0021	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.89	19.66
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.07	
			<i>For Dynamic Damper, Add</i>	24.17	
			<i>For 3 Hour Rated, Add</i>	13.43	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.19	
23 33 13 16-0022	EA		16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.53	21.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.55	
			<i>For Dynamic Damper, Add</i>	25.33	
			<i>For 3 Hour Rated, Add</i>	14.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.73	
23 33 13 16-0023	EA		16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.76	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.03	
			<i>For Dynamic Damper, Add</i>	26.47	
			<i>For 3 Hour Rated, Add</i>	14.70	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.25	
23 33 13 16-0024	EA		16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.99	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.23	
			<i>For Dynamic Damper, Add</i>	29.35	
			<i>For 3 Hour Rated, Add</i>	16.31	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.59	
23 33 13 16-0025	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.19	27.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	32.23	
			<i>For 3 Hour Rated, Add</i>	17.91	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.92	
23 33 13 16-0026	EA		18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.52	19.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.07	
			<i>For Dynamic Damper, Add</i>	24.17	
			<i>For 3 Hour Rated, Add</i>	13.43	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.19	
23 33 13 16-0027	EA		18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.83	20.63
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.79	
			<i>For Dynamic Damper, Add</i>	25.89	
			<i>For 3 Hour Rated, Add</i>	14.39	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.99	
23 33 13 16-0028	EA		18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.92	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.51	
			<i>For Dynamic Damper, Add</i>	27.63	
			<i>For 3 Hour Rated, Add</i>	15.35	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.79	
23 33 13 16-0029	EA		18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.13	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.71	
			<i>For Dynamic Damper, Add</i>	30.51	
			<i>For 3 Hour Rated, Add</i>	16.95	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.13	
23 33 13 16-0030	EA		18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.25	27.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.67	
			<i>For Dynamic Damper, Add</i>	32.81	
			<i>For 3 Hour Rated, Add</i>	18.23	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.19	
23 33 13 16-0031	EA		18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.46	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.87	
			<i>For Dynamic Damper, Add</i>	35.68	
			<i>For 3 Hour Rated, Add</i>	19.82	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.54	32.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.59	
<i>For Dynamic Damper, Add</i>	37.41	
<i>For 3 Hour Rated, Add</i>	20.78	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.32	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.78	20.63
<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.55	
<i>For Dynamic Damper, Add</i>	25.33	
<i>For 3 Hour Rated, Add</i>	14.07	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.73	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.90	22.97
<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.51	
<i>For Dynamic Damper, Add</i>	27.62	
<i>For 3 Hour Rated, Add</i>	15.35	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.79	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.05	25.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.47	
<i>For Dynamic Damper, Add</i>	29.93	
<i>For 3 Hour Rated, Add</i>	16.63	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.86	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.46	27.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.39	
<i>For Dynamic Damper, Add</i>	34.54	
<i>For 3 Hour Rated, Add</i>	19.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.99	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.54	29.71
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.11	
<i>For Dynamic Damper, Add</i>	36.27	
<i>For 3 Hour Rated, Add</i>	20.15	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.79	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.61	32.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83	
<i>For Dynamic Damper, Add</i>	37.99	
<i>For 3 Hour Rated, Add</i>	21.11	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.74	34.38
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.79	
<i>For Dynamic Damper, Add</i>	40.29	
<i>For 3 Hour Rated, Add</i>	22.38	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.65	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.87	36.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.74	
<i>For Dynamic Damper, Add</i>	42.58	
<i>For 3 Hour Rated, Add</i>	23.66	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.72	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.03	22.97
<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.99	
<i>For Dynamic Damper, Add</i>	28.77	
<i>For 3 Hour Rated, Add</i>	15.98	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.32	
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.32	25.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.43	
<i>For Dynamic Damper, Add</i>	32.23	
<i>For 3 Hour Rated, Add</i>	17.91	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.92	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.46	27.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.39	
<i>For Dynamic Damper, Add</i>	34.54	
<i>For 3 Hour Rated, Add</i>	19.19	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.99	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.73	29.71
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83	
<i>For Dynamic Damper, Add</i>	37.99	
<i>For 3 Hour Rated, Add</i>	21.11	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59	
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.81	32.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.55	
<i>For Dynamic Damper, Add</i>	39.72	
<i>For 3 Hour Rated, Add</i>	22.07	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.39	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.87	34.38
<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.27	
<i>For Dynamic Damper, Add</i>	41.44	
<i>For 3 Hour Rated, Add</i>	23.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.19	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.14	36.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.70	
<i>For Dynamic Damper, Add</i>	44.89	
<i>For 3 Hour Rated, Add</i>	24.94	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.78	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.28	41.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.14	
<i>For Dynamic Damper, Add</i>	48.34	
<i>For 3 Hour Rated, Add</i>	26.86	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.57		45.80
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06		
		<i>For Dynamic Damper, Add</i>	52.95		
		<i>For 3 Hour Rated, Add</i>	29.42		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52		
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.32		25.17
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.43		
		<i>For Dynamic Damper, Add</i>	32.23		
		<i>For 3 Hour Rated, Add</i>	17.91		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.92		
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.46		27.50
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.39		
		<i>For Dynamic Damper, Add</i>	34.54		
		<i>For 3 Hour Rated, Add</i>	19.19		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.99		
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.73		29.71
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83		
		<i>For Dynamic Damper, Add</i>	37.99		
		<i>For 3 Hour Rated, Add</i>	21.11		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59		
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.87		32.04
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.79		
		<i>For Dynamic Damper, Add</i>	40.29		
		<i>For 3 Hour Rated, Add</i>	22.38		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.65		
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.07		34.38
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.99		
		<i>For Dynamic Damper, Add</i>	43.17		
		<i>For 3 Hour Rated, Add</i>	23.98		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.99		
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.26		36.58
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.18		
		<i>For Dynamic Damper, Add</i>	46.04		
		<i>For 3 Hour Rated, Add</i>	25.58		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.31		
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.41		41.26
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62		
		<i>For Dynamic Damper, Add</i>	49.49		
		<i>For 3 Hour Rated, Add</i>	27.50		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91		
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.57		45.80
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06		
		<i>For Dynamic Damper, Add</i>	52.95		
		<i>For 3 Hour Rated, Add</i>	29.42		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52		
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.23		48.13
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.94		
		<i>For Dynamic Damper, Add</i>	59.85		
		<i>For 3 Hour Rated, Add</i>	33.25		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.71		
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	279.64		52.67
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.34		
		<i>For Dynamic Damper, Add</i>	65.61		
		<i>For 3 Hour Rated, Add</i>	36.45		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.38		
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.85		27.50
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83		
		<i>For Dynamic Damper, Add</i>	37.99		
		<i>For 3 Hour Rated, Add</i>	21.11		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59		
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.85		29.71
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.31		
		<i>For Dynamic Damper, Add</i>	39.13		
		<i>For 3 Hour Rated, Add</i>	21.74		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.12		
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.87		32.04
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.79		
		<i>For Dynamic Damper, Add</i>	40.29		
		<i>For 3 Hour Rated, Add</i>	22.38		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.65		
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.99		34.38
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.74		
		<i>For Dynamic Damper, Add</i>	42.58		
		<i>For 3 Hour Rated, Add</i>	23.66		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.72		
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.67		36.58
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.27		
		<i>For Dynamic Damper, Add</i>	46.26		
		<i>For 3 Hour Rated, Add</i>	25.70		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.42		
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.41		41.26
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62		
		<i>For Dynamic Damper, Add</i>	49.49		
		<i>For 3 Hour Rated, Add</i>	27.50		
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.71	45.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
<i>For Dynamic Damper, Add</i>	54.11	
<i>For 3 Hour Rated, Add</i>	30.06	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.99	50.32
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.46	
<i>For Dynamic Damper, Add</i>	58.71	
<i>For 3 Hour Rated, Add</i>	32.62	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.18	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	279.64	52.67
<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.34	
<i>For Dynamic Damper, Add</i>	65.61	
<i>For 3 Hour Rated, Add</i>	36.45	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.38	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.57	56.38
<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
<i>For Dynamic Damper, Add</i>	73.67	
<i>For 3 Hour Rated, Add</i>	40.93	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.24	59.54
<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.53	
<i>For Dynamic Damper, Add</i>	82.88	
<i>For 3 Hour Rated, Add</i>	46.04	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	38.37	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.12	29.71
<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.27	
<i>For Dynamic Damper, Add</i>	41.44	
<i>For 3 Hour Rated, Add</i>	23.02	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.19	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.25	32.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.22	
<i>For Dynamic Damper, Add</i>	43.73	
<i>For 3 Hour Rated, Add</i>	24.30	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.25	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.38	34.38
<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.18	
<i>For Dynamic Damper, Add</i>	46.04	
<i>For 3 Hour Rated, Add</i>	25.58	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.31	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.66	36.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
<i>For Dynamic Damper, Add</i>	49.49	
<i>For 3 Hour Rated, Add</i>	27.50	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.63	41.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.35	
<i>For Dynamic Damper, Add</i>	51.23	
<i>For 3 Hour Rated, Add</i>	28.46	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	23.72	
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.70	43.46
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06	
<i>For Dynamic Damper, Add</i>	52.95	
<i>For 3 Hour Rated, Add</i>	29.42	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.99	50.32
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.46	
<i>For Dynamic Damper, Add</i>	58.71	
<i>For 3 Hour Rated, Add</i>	32.62	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.18	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.38	55.01
<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.86	
<i>For Dynamic Damper, Add</i>	64.45	
<i>For 3 Hour Rated, Add</i>	35.81	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.84	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.03	56.79
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
<i>For Dynamic Damper, Add</i>	40.78	
<i>For 3 Hour Rated, Add</i>	22.66	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.10	60.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.57	
<i>For Dynamic Damper, Add</i>	80.57	
<i>For 3 Hour Rated, Add</i>	44.76	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.30	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	356.63	64.08
<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.93	
<i>For Dynamic Damper, Add</i>	88.62	
<i>For 3 Hour Rated, Add</i>	49.24	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	41.03	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	380.56	66.41
<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.76	
<i>For Dynamic Damper, Add</i>	97.83	
<i>For 3 Hour Rated, Add</i>	54.35	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	45.29	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.12	34.38
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.74	
		<i>For Dynamic Damper, Add</i>	42.58	
		<i>For 3 Hour Rated, Add</i>	23.66	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.72	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.51	36.58
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.66	
		<i>For Dynamic Damper, Add</i>	47.19	
		<i>For 3 Hour Rated, Add</i>	26.21	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.85	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.53	38.92
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.14	
		<i>For Dynamic Damper, Add</i>	48.34	
		<i>For 3 Hour Rated, Add</i>	26.86	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.38	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.54	41.26
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
		<i>For Dynamic Damper, Add</i>	49.49	
		<i>For 3 Hour Rated, Add</i>	27.50	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.76	43.46
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.30	
		<i>For Dynamic Damper, Add</i>	53.52	
		<i>For 3 Hour Rated, Add</i>	29.74	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.78	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.10	45.80
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
		<i>For Dynamic Damper, Add</i>	57.56	
		<i>For 3 Hour Rated, Add</i>	31.98	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.25	52.67
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.90	
		<i>For Dynamic Damper, Add</i>	62.16	
		<i>For 3 Hour Rated, Add</i>	34.53	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.78	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.54	57.20
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
		<i>For Dynamic Damper, Add</i>	66.77	
		<i>For 3 Hour Rated, Add</i>	37.09	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.32	60.92
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
		<i>For Dynamic Damper, Add</i>	73.67	
		<i>For 3 Hour Rated, Add</i>	40.93	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.38	64.08
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.97	
		<i>For Dynamic Damper, Add</i>	86.33	
		<i>For 3 Hour Rated, Add</i>	47.96	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.97	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	376.17	67.80
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	38.85	
		<i>For Dynamic Damper, Add</i>	93.23	
		<i>For 3 Hour Rated, Add</i>	51.80	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	43.16	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	405.13	69.58
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	44.12	
		<i>For Dynamic Damper, Add</i>	105.90	
		<i>For 3 Hour Rated, Add</i>	58.83	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	49.03	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.45	73.29
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	48.92	
		<i>For Dynamic Damper, Add</i>	117.41	
		<i>For 3 Hour Rated, Add</i>	65.23	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	54.36	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.26	34.38
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.70	
		<i>For Dynamic Damper, Add</i>	44.89	
		<i>For 3 Hour Rated, Add</i>	24.94	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.78	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.66	36.58
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
		<i>For Dynamic Damper, Add</i>	49.49	
		<i>For 3 Hour Rated, Add</i>	27.50	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.95	38.92
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06	
		<i>For Dynamic Damper, Add</i>	52.95	
		<i>For 3 Hour Rated, Add</i>	29.42	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.96	41.26
		<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
		<i>For Dynamic Damper, Add</i>	54.11	
		<i>For 3 Hour Rated, Add</i>	30.06	
		<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.36	43.46
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.46	
<i>For Dynamic Damper, Add</i>	58.71	
<i>For 3 Hour Rated, Add</i>	32.62	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.18	
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.76	45.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.38	
<i>For Dynamic Damper, Add</i>	63.32	
<i>For 3 Hour Rated, Add</i>	35.18	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.31	
23 33 13 16-0102 EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.93	55.01
<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.78	
<i>For Dynamic Damper, Add</i>	69.07	
<i>For 3 Hour Rated, Add</i>	38.37	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	31.98	
23 33 13 16-0103 EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.31	59.54
<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.17	
<i>For Dynamic Damper, Add</i>	74.82	
<i>For 3 Hour Rated, Add</i>	41.57	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.64	
23 33 13 16-0104 EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.38	64.08
<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.97	
<i>For Dynamic Damper, Add</i>	86.33	
<i>For 3 Hour Rated, Add</i>	47.96	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.97	
23 33 13 16-0105 EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	385.33	68.75
<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.29	
<i>For Dynamic Damper, Add</i>	96.69	
<i>For 3 Hour Rated, Add</i>	53.72	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.77	
23 33 13 16-0106 EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	420.38	73.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	45.08	
<i>For Dynamic Damper, Add</i>	108.19	
<i>For 3 Hour Rated, Add</i>	60.11	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	50.09	
23 33 13 16-0107 EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	446.43	75.49
<i>For Spring Activated Horizontal Mount Operation, Add</i>	49.40	
<i>For Dynamic Damper, Add</i>	118.55	
<i>For 3 Hour Rated, Add</i>	65.86	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	54.89	
23 33 13 16-0108 EA 44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.50	77.83
<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.71	
<i>For Dynamic Damper, Add</i>	128.91	
<i>For 3 Hour Rated, Add</i>	71.62	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	59.68	
23 33 13 16-0109 EA 44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	498.58	80.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.03	
<i>For Dynamic Damper, Add</i>	139.28	
<i>For 3 Hour Rated, Add</i>	77.38	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	64.48	
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.53	36.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.14	
<i>For Dynamic Damper, Add</i>	48.34	
<i>For 3 Hour Rated, Add</i>	26.86	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.38	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.95	38.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06	
<i>For Dynamic Damper, Add</i>	52.95	
<i>For 3 Hour Rated, Add</i>	29.42	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.96	41.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
<i>For Dynamic Damper, Add</i>	54.11	
<i>For 3 Hour Rated, Add</i>	30.06	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.10	45.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
<i>For Dynamic Damper, Add</i>	57.56	
<i>For 3 Hour Rated, Add</i>	31.98	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.38	50.32
<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.90	
<i>For Dynamic Damper, Add</i>	62.16	
<i>For 3 Hour Rated, Add</i>	34.53	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.78	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	288.66	55.01
<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
<i>For Dynamic Damper, Add</i>	66.77	
<i>For 3 Hour Rated, Add</i>	37.09	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.19	59.54
<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
<i>For Dynamic Damper, Add</i>	73.67	
<i>For 3 Hour Rated, Add</i>	40.93	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13	16-0117	EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.72	64.08
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.57	
			<i>For Dynamic Damper, Add</i>	80.57	
			<i>For 3 Hour Rated, Add</i>	44.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.30	
23 33	13	16-0118	EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.67	68.75
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.89	
			<i>For Dynamic Damper, Add</i>	90.94	
			<i>For 3 Hour Rated, Add</i>	50.52	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	42.10	
23 33	13	16-0119	EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	411.85	73.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	43.16	
			<i>For Dynamic Damper, Add</i>	103.59	
			<i>For 3 Hour Rated, Add</i>	57.55	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	47.96	
23 33	13	16-0120	EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.93	75.49
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.48	
			<i>For Dynamic Damper, Add</i>	113.96	
			<i>For 3 Hour Rated, Add</i>	63.31	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	52.76	
23 33	13	16-0121	EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	470.36	77.83
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.23	
			<i>For Dynamic Damper, Add</i>	127.76	
			<i>For 3 Hour Rated, Add</i>	70.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	59.15	
23 33	13	16-0122	EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	503.32	82.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.56	
			<i>For Dynamic Damper, Add</i>	138.13	
			<i>For 3 Hour Rated, Add</i>	76.74	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	63.95	
23 33	13	16-0123	EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	535.77	84.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.31	
			<i>For Dynamic Damper, Add</i>	151.94	
			<i>For 3 Hour Rated, Add</i>	84.41	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	70.34	
23 33	13	16-0124	EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	573.45	91.58
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	67.14	
			<i>For Dynamic Damper, Add</i>	161.15	
			<i>For 3 Hour Rated, Add</i>	89.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	74.61	
23 33	13	16-0125	EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.82	38.92
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.58	
			<i>For Dynamic Damper, Add</i>	51.80	
			<i>For 3 Hour Rated, Add</i>	28.78	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	23.98	
23 33	13	16-0126	EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.21	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.50	
			<i>For Dynamic Damper, Add</i>	56.40	
			<i>For 3 Hour Rated, Add</i>	31.34	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.11	
23 33	13	16-0127	EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.49	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.42	
			<i>For Dynamic Damper, Add</i>	61.01	
			<i>For 3 Hour Rated, Add</i>	33.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.25	
23 33	13	16-0128	EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.38	50.32
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.90	
			<i>For Dynamic Damper, Add</i>	62.16	
			<i>For 3 Hour Rated, Add</i>	34.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.78	
23 33	13	16-0129	EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	289.73	55.01
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.06	
			<i>For Dynamic Damper, Add</i>	67.34	
			<i>For 3 Hour Rated, Add</i>	37.41	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	31.18	
23 33	13	16-0130	EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.06	59.54
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.22	
			<i>For Dynamic Damper, Add</i>	72.52	
			<i>For 3 Hour Rated, Add</i>	40.29	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.58	
23 33	13	16-0131	EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.60	64.08
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.10	
			<i>For Dynamic Damper, Add</i>	79.43	
			<i>For 3 Hour Rated, Add</i>	44.13	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	36.77	
23 33	13	16-0132	EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.14	68.75
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.97	
			<i>For Dynamic Damper, Add</i>	86.33	
			<i>For 3 Hour Rated, Add</i>	47.96	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.97	
23 33	13	16-0133	EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	399.08	73.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.29	
			<i>For Dynamic Damper, Add</i>	96.69	
			<i>For 3 Hour Rated, Add</i>	53.72	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	438.40	77.83
<i>For Spring Activated Horizontal Mount Operation, Add</i>	46.04	
<i>For Dynamic Damper, Add</i>	110.50	
<i>For 3 Hour Rated, Add</i>	61.39	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	51.16	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	466.58	80.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	50.83	
<i>For Dynamic Damper, Add</i>	122.00	
<i>For 3 Hour Rated, Add</i>	67.78	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	56.48	
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	501.18	82.37
<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.07	
<i>For Dynamic Damper, Add</i>	136.98	
<i>For 3 Hour Rated, Add</i>	76.10	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	63.42	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	540.50	87.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	62.82	
<i>For Dynamic Damper, Add</i>	150.78	
<i>For 3 Hour Rated, Add</i>	83.77	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	69.81	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	573.45	91.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	67.14	
<i>For Dynamic Damper, Add</i>	161.15	
<i>For 3 Hour Rated, Add</i>	89.53	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	74.61	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	619.65	98.46
<i>For Spring Activated Horizontal Mount Operation, Add</i>	72.90	
<i>For Dynamic Damper, Add</i>	174.96	
<i>For 3 Hour Rated, Add</i>	97.20	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	81.00	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	654.72	103.00
<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.70	
<i>For Dynamic Damper, Add</i>	186.47	
<i>For 3 Hour Rated, Add</i>	103.60	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	86.33	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.96	41.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
<i>For Dynamic Damper, Add</i>	54.11	
<i>For 3 Hour Rated, Add</i>	30.06	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.35	45.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.94	
<i>For Dynamic Damper, Add</i>	59.85	
<i>For 3 Hour Rated, Add</i>	33.25	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.71	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.52	50.32
<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.38	
<i>For Dynamic Damper, Add</i>	63.32	
<i>For 3 Hour Rated, Add</i>	35.18	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.31	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.38	55.01
<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.86	
<i>For Dynamic Damper, Add</i>	64.45	
<i>For 3 Hour Rated, Add</i>	35.81	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.84	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.86	59.54
<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.50	
<i>For Dynamic Damper, Add</i>	70.79	
<i>For 3 Hour Rated, Add</i>	39.33	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	32.78	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	335.33	64.08
<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.13	
<i>For Dynamic Damper, Add</i>	77.12	
<i>For 3 Hour Rated, Add</i>	42.85	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	35.71	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.81	68.75
<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.77	
<i>For Dynamic Damper, Add</i>	83.45	
<i>For 3 Hour Rated, Add</i>	46.36	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	38.64	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	386.28	73.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.41	
<i>For Dynamic Damper, Add</i>	89.78	
<i>For 3 Hour Rated, Add</i>	49.88	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	41.57	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	425.60	77.83
<i>For Spring Activated Horizontal Mount Operation, Add</i>	43.16	
<i>For Dynamic Damper, Add</i>	103.59	
<i>For 3 Hour Rated, Add</i>	57.55	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	47.96	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	458.08	80.17
<i>For Spring Activated Horizontal Mount Operation, Add</i>	48.92	
<i>For Dynamic Damper, Add</i>	117.41	
<i>For 3 Hour Rated, Add</i>	65.23	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	54.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	488.39	82.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.20	
			<i>For Dynamic Damper, Add</i>	130.07	
			<i>For 3 Hour Rated, Add</i>	72.26	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	60.22	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	531.99	87.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	146.18	
			<i>For 3 Hour Rated, Add</i>	81.21	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	67.68	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	571.32	91.58
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	66.67	
			<i>For Dynamic Damper, Add</i>	160.00	
			<i>For 3 Hour Rated, Add</i>	88.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	74.07	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	612.78	96.12
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	72.90	
			<i>For Dynamic Damper, Add</i>	174.96	
			<i>For 3 Hour Rated, Add</i>	97.20	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	81.00	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	647.84	100.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.70	
			<i>For Dynamic Damper, Add</i>	186.47	
			<i>For 3 Hour Rated, Add</i>	103.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	86.33	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	689.31	105.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.93	
			<i>For Dynamic Damper, Add</i>	201.44	
			<i>For 3 Hour Rated, Add</i>	111.91	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	93.26	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	730.77	109.87
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	90.17	
			<i>For Dynamic Damper, Add</i>	216.40	
			<i>For 3 Hour Rated, Add</i>	120.22	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	100.19	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.10	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
			<i>For Dynamic Damper, Add</i>	57.56	
			<i>For 3 Hour Rated, Add</i>	31.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.52	50.32
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.38	
			<i>For Dynamic Damper, Add</i>	63.32	
			<i>For 3 Hour Rated, Add</i>	35.18	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.31	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.52	55.01
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.34	
			<i>For Dynamic Damper, Add</i>	65.61	
			<i>For 3 Hour Rated, Add</i>	36.45	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.38	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.40	59.54
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
			<i>For Dynamic Damper, Add</i>	66.77	
			<i>For 3 Hour Rated, Add</i>	37.09	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0162	EA		60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	328.94	64.08
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
			<i>For Dynamic Damper, Add</i>	73.67	
			<i>For 3 Hour Rated, Add</i>	40.93	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0163	EA		60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	355.48	68.75
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.57	
			<i>For Dynamic Damper, Add</i>	80.57	
			<i>For 3 Hour Rated, Add</i>	44.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.30	
23 33 13 16-0164	EA		60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	383.09	73.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.69	
			<i>For Dynamic Damper, Add</i>	88.06	
			<i>For 3 Hour Rated, Add</i>	48.92	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	40.77	
23 33 13 16-0165	EA		60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	410.69	77.83
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.81	
			<i>For Dynamic Damper, Add</i>	95.54	
			<i>For 3 Hour Rated, Add</i>	53.08	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.23	
23 33 13 16-0166	EA		60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	445.28	80.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	46.04	
			<i>For Dynamic Damper, Add</i>	110.50	
			<i>For 3 Hour Rated, Add</i>	61.39	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	51.16	
23 33 13 16-0167	EA		60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	477.72	82.37
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.80	
			<i>For Dynamic Damper, Add</i>	124.31	
			<i>For 3 Hour Rated, Add</i>	69.06	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	57.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	519.21	87.04
<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.03	
<i>For Dynamic Damper, Add</i>	139.28	
<i>For 3 Hour Rated, Add</i>	77.38	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	64.48	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	560.67	91.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.27	
<i>For Dynamic Damper, Add</i>	154.25	
<i>For 3 Hour Rated, Add</i>	85.69	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	71.41	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	595.73	96.12
<i>For Spring Activated Horizontal Mount Operation, Add</i>	69.06	
<i>For Dynamic Damper, Add</i>	165.75	
<i>For 3 Hour Rated, Add</i>	92.09	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	76.74	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	643.56	100.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	76.73	
<i>For Dynamic Damper, Add</i>	184.16	
<i>For 3 Hour Rated, Add</i>	102.31	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	85.26	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	687.17	105.33
<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.45	
<i>For Dynamic Damper, Add</i>	200.28	
<i>For 3 Hour Rated, Add</i>	111.27	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	92.72	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	730.77	109.87
<i>For Spring Activated Horizontal Mount Operation, Add</i>	90.17	
<i>For Dynamic Damper, Add</i>	216.40	
<i>For 3 Hour Rated, Add</i>	120.22	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	100.19	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	770.07	114.55
<i>For Spring Activated Horizontal Mount Operation, Add</i>	95.92	
<i>For Dynamic Damper, Add</i>	230.20	
<i>For 3 Hour Rated, Add</i>	127.89	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	106.57	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	809.43	119.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	101.68	
<i>For Dynamic Damper, Add</i>	244.03	
<i>For 3 Hour Rated, Add</i>	135.57	
<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	112.98	
23 33 13 16-0176 Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.56	15.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.90	
<i>For Dynamic Damper, Add</i>	33.35	
<i>For 3 Hour Rated, Add</i>	18.53	
23 33 13 16-0178 EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.25	15.95
<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.49	
<i>For Dynamic Damper, Add</i>	34.78	
<i>For 3 Hour Rated, Add</i>	19.32	
23 33 13 16-0179 EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.20	16.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.09	
<i>For Dynamic Damper, Add</i>	36.22	
<i>For 3 Hour Rated, Add</i>	20.12	
23 33 13 16-0180 EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.20	16.09
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.09	
<i>For Dynamic Damper, Add</i>	36.22	
<i>For 3 Hour Rated, Add</i>	20.12	
23 33 13 16-0181 EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.26	16.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.69	
<i>For Dynamic Damper, Add</i>	37.67	
<i>For 3 Hour Rated, Add</i>	20.93	
23 33 13 16-0182 EA 10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.07	18.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.89	
<i>For Dynamic Damper, Add</i>	40.53	
<i>For 3 Hour Rated, Add</i>	22.52	
23 33 13 16-0183 EA 12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.26	16.50
<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.69	
<i>For Dynamic Damper, Add</i>	37.67	
<i>For 3 Hour Rated, Add</i>	20.93	
23 33 13 16-0184 EA 12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.31	17.46
<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.89	
<i>For Dynamic Damper, Add</i>	40.53	
<i>For 3 Hour Rated, Add</i>	22.52	
23 33 13 16-0185 EA 12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.74	18.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.49	
<i>For Dynamic Damper, Add</i>	41.97	
<i>For 3 Hour Rated, Add</i>	23.32	
23 33 13 16-0186 EA 12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.29	20.63
<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.09	
<i>For Dynamic Damper, Add</i>	43.42	
<i>For 3 Hour Rated, Add</i>	24.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.99	17.46
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.59	
			<i>For Dynamic Damper, Add</i>	39.82	
			<i>For 3 Hour Rated, Add</i>	22.12	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.74	18.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.49	
			<i>For Dynamic Damper, Add</i>	41.97	
			<i>For 3 Hour Rated, Add</i>	23.32	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.17	19.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.09	
			<i>For Dynamic Damper, Add</i>	43.42	
			<i>For 3 Hour Rated, Add</i>	24.12	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.94	20.63
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.69	
			<i>For Dynamic Damper, Add</i>	44.85	
			<i>For 3 Hour Rated, Add</i>	24.92	
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.48	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.19	
			<i>For Dynamic Damper, Add</i>	48.45	
			<i>For 3 Hour Rated, Add</i>	26.92	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.58	18.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.43	
			<i>For Dynamic Damper, Add</i>	58.63	
			<i>For 3 Hour Rated, Add</i>	32.57	
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.69	19.66
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.10	
			<i>For Dynamic Damper, Add</i>	60.24	
			<i>For 3 Hour Rated, Add</i>	33.47	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.19	21.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.78	
			<i>For Dynamic Damper, Add</i>	61.86	
			<i>For 3 Hour Rated, Add</i>	34.37	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.27	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.44	
			<i>For Dynamic Damper, Add</i>	63.46	
			<i>For 3 Hour Rated, Add</i>	35.26	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.63	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.13	
			<i>For Dynamic Damper, Add</i>	67.50	
			<i>For 3 Hour Rated, Add</i>	37.50	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.97	27.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.81	
			<i>For Dynamic Damper, Add</i>	71.53	
			<i>For 3 Hour Rated, Add</i>	39.74	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.32	19.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.10	
			<i>For Dynamic Damper, Add</i>	60.24	
			<i>For 3 Hour Rated, Add</i>	33.47	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.92	20.63
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.11	
			<i>For Dynamic Damper, Add</i>	62.66	
			<i>For 3 Hour Rated, Add</i>	34.81	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.29	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.12	
			<i>For Dynamic Damper, Add</i>	65.09	
			<i>For 3 Hour Rated, Add</i>	36.16	
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.62	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.80	
			<i>For Dynamic Damper, Add</i>	69.11	
			<i>For 3 Hour Rated, Add</i>	38.40	
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.45	27.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.14	
			<i>For Dynamic Damper, Add</i>	72.33	
			<i>For 3 Hour Rated, Add</i>	40.19	
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.80	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	31.82	
			<i>For Dynamic Damper, Add</i>	76.37	
			<i>For 3 Hour Rated, Add</i>	42.43	
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.14	32.04
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.82	
			<i>For Dynamic Damper, Add</i>	78.78	
			<i>For 3 Hour Rated, Add</i>	43.76	
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.44	20.63
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.78	
			<i>For Dynamic Damper, Add</i>	61.86	
			<i>For 3 Hour Rated, Add</i>	34.37	
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.26	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.11	
			<i>For Dynamic Damper, Add</i>	65.08	
			<i>For 3 Hour Rated, Add</i>	36.15	
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.12	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.46	
			<i>For Dynamic Damper, Add</i>	68.30	
			<i>For 3 Hour Rated, Add</i>	37.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	220.95 31.15 74.76 41.54	27.50
23 33 13 16-0209 EA 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.30 32.16 77.18 42.88	29.71
23 33 13 16-0210 EA 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	243.64 33.16 79.59 44.21	32.04
23 33 13 16-0211 EA 20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	256.48 34.50 82.81 46.01	34.38
23 33 13 16-0212 EA 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	269.31 35.84 86.02 47.79	36.58
23 33 13 16-0213 EA 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	216.71 33.29 79.90 44.39	22.97
23 33 13 16-0214 EA 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.55 35.31 84.74 47.08	25.17
23 33 13 16-0215 EA 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.40 36.65 87.97 48.87	27.50
23 33 13 16-0216 EA 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.21 38.66 92.79 51.55	29.71
23 33 13 16-0217 EA 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.58 39.67 95.21 52.90	32.04
23 33 13 16-0218 EA 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.91 40.68 97.62 54.23	34.38
23 33 13 16-0219 EA 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	299.74 42.69 102.45 56.92	36.58
23 33 13 16-0220 EA 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	322.44 44.70 107.29 59.60	41.26
23 33 13 16-0221 EA 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.14 47.39 113.74 63.19	45.80
23 33 13 16-0222 EA 28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.55 35.31 84.74 47.08	25.17
23 33 13 16-0223 EA 28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.40 36.65 87.97 48.87	27.50
23 33 13 16-0224 EA 28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.21 38.66 92.79 51.55	29.71
23 33 13 16-0225 EA 28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	274.06 40.01 96.01 53.34	32.04
23 33 13 16-0226 EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	288.40 41.69 100.05 55.58	34.38
23 33 13 16-0227 EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.71 43.36 104.06 57.81	36.58
23 33 13 16-0228 EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.42 45.37 108.90 60.50	41.26

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.14 47.39 113.74 63.19	45.80
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	372.92 51.42 123.41 68.56	48.13
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.60 54.78 131.47 73.04	52.67
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	254.33 38.66 92.79 51.55	27.50
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.18 39.33 94.39 52.44	29.71
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	274.06 40.01 96.01 53.34	32.04
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	286.88 41.34 99.23 55.13	34.38
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.28 43.49 104.37 57.98	36.58
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.42 45.37 108.90 60.50	41.26
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	351.14 48.07 115.36 64.09	45.80
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	376.83 50.75 121.80 67.67	50.32
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.60 54.78 131.47 73.04	52.67
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.49 59.48 142.75 79.31	56.38
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	466.98 64.85 155.64 86.47	59.54
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.52 44.13 105.92 58.84	29.71
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	299.20 45.66 109.59 60.88	32.04
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	312.88 47.19 113.27 62.93	34.38
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	330.01 49.50 118.80 66.00	36.58
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.90 50.66 121.58 67.54	41.26
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	360.89 51.81 124.34 69.08	43.46
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	398.57 55.64 133.54 74.19	50.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.36	55.01
<i>For Spring Activated Horizontal Mount Operation, Add</i>	59.48	
<i>For Dynamic Damper, Add</i>	142.74	
<i>For 3 Hour Rated, Add</i>	79.30	
23 33 13 16-0251 EA 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.32	56.79
<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.08	
<i>For Dynamic Damper, Add</i>	153.80	
<i>For 3 Hour Rated, Add</i>	85.44	
23 33 13 16-0252 EA 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.97	60.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	70.22	
<i>For Dynamic Damper, Add</i>	168.52	
<i>For 3 Hour Rated, Add</i>	93.62	
23 33 13 16-0253 EA 36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.45	64.08
<i>For Spring Activated Horizontal Mount Operation, Add</i>	75.59	
<i>For Dynamic Damper, Add</i>	181.41	
<i>For 3 Hour Rated, Add</i>	100.78	
23 33 13 16-0254 EA 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.62	66.41
<i>For Spring Activated Horizontal Mount Operation, Add</i>	81.73	
<i>For Dynamic Damper, Add</i>	196.14	
<i>For 3 Hour Rated, Add</i>	108.97	
23 33 13 16-0255 EA 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.24	34.38
<i>For Spring Activated Horizontal Mount Operation, Add</i>	50.40	
<i>For Dynamic Damper, Add</i>	120.95	
<i>For 3 Hour Rated, Add</i>	67.19	
23 33 13 16-0256 EA 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.75	36.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.46	
<i>For Dynamic Damper, Add</i>	128.31	
<i>For 3 Hour Rated, Add</i>	71.29	
23 33 13 16-0257 EA 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	351.04	38.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.23	
<i>For Dynamic Damper, Add</i>	130.16	
<i>For 3 Hour Rated, Add</i>	72.31	
23 33 13 16-0258 EA 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.34	41.26
<i>For Spring Activated Horizontal Mount Operation, Add</i>	55.00	
<i>For Dynamic Damper, Add</i>	132.00	
<i>For 3 Hour Rated, Add</i>	73.34	
23 33 13 16-0259 EA 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.04	43.46
<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.69	
<i>For Dynamic Damper, Add</i>	138.46	
<i>For 3 Hour Rated, Add</i>	76.92	
23 33 13 16-0260 EA 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.84	45.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.37	
<i>For Dynamic Damper, Add</i>	144.90	
<i>For 3 Hour Rated, Add</i>	80.50	
23 33 13 16-0261 EA 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.11	52.67
<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.44	
<i>For Dynamic Damper, Add</i>	152.26	
<i>For 3 Hour Rated, Add</i>	84.59	
23 33 13 16-0262 EA 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.52	57.20
<i>For Spring Activated Horizontal Mount Operation, Add</i>	66.51	
<i>For Dynamic Damper, Add</i>	159.63	
<i>For 3 Hour Rated, Add</i>	88.69	
23 33 13 16-0263 EA 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.98	60.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	71.12	
<i>For Dynamic Damper, Add</i>	170.69	
<i>For 3 Hour Rated, Add</i>	94.83	
23 33 13 16-0264 EA 40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.11	64.08
<i>For Spring Activated Horizontal Mount Operation, Add</i>	79.56	
<i>For Dynamic Damper, Add</i>	190.94	
<i>For 3 Hour Rated, Add</i>	106.08	
23 33 13 16-0265 EA 40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.56	67.80
<i>For Spring Activated Horizontal Mount Operation, Add</i>	84.16	
<i>For Dynamic Damper, Add</i>	201.98	
<i>For 3 Hour Rated, Add</i>	112.21	
23 33 13 16-0266 EA 40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.60	69.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	92.61	
<i>For Dynamic Damper, Add</i>	222.25	
<i>For 3 Hour Rated, Add</i>	123.47	
23 33 13 16-0267 EA 40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.69	73.29
<i>For Spring Activated Horizontal Mount Operation, Add</i>	100.28	
<i>For Dynamic Damper, Add</i>	240.66	
<i>For 3 Hour Rated, Add</i>	133.70	
23 33 13 16-0268 EA 44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.94	34.38
<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.93	
<i>For Dynamic Damper, Add</i>	124.64	
<i>For 3 Hour Rated, Add</i>	69.24	
23 33 13 16-0269 EA 44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.46	36.58
<i>For Spring Activated Horizontal Mount Operation, Add</i>	55.00	
<i>For Dynamic Damper, Add</i>	132.00	
<i>For 3 Hour Rated, Add</i>	73.34	
23 33 13 16-0270 EA 44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.59	38.92
<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.31	
<i>For Dynamic Damper, Add</i>	137.54	
<i>For 3 Hour Rated, Add</i>	76.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.87 58.07 139.38 77.43	41.26
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	402.39 61.14 146.75 81.53	43.46
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	422.91 64.22 154.12 85.62	45.80
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	467.47 68.05 163.32 90.74	55.01
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	498.24 71.88 172.52 95.84	59.54
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	546.11 79.56 190.94 106.08	64.08
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	590.56 86.47 207.52 115.29	68.75
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	638.39 94.13 225.92 125.51	73.29
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	675.95 101.04 242.49 134.72	75.49
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	713.54 107.95 259.08 143.93	77.83
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	751.13 114.86 275.66 153.14	80.17
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	351.04 54.23 130.16 72.31	36.58
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	371.59 57.31 137.54 76.41	38.92
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.87 58.07 139.38 77.43	41.26
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.84 60.37 144.90 80.50	45.80
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.24 63.44 152.26 84.59	50.32
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	460.64 66.51 159.63 88.69	55.01
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	494.85 71.12 170.69 94.83	59.54
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	529.04 75.72 181.73 100.96	64.08
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	573.51 82.63 198.31 110.17	68.75
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	624.75 91.06 218.55 121.42	73.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0292 EA 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	662.34 97.98 235.14 130.64	75.49
23 33 13 16-0293 EA 48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	710.12 107.18 257.23 142.91	77.83
23 33 13 16-0294 EA 48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	754.60 114.09 273.82 152.12	82.37
23 33 13 16-0295 EA 48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	802.39 123.30 295.91 164.40	84.71
23 33 13 16-0296 EA 48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	850.31 129.44 310.65 172.58	91.58
23 33 13 16-0297 EA 52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	368.17 56.54 135.69 75.38	38.92
23 33 13 16-0298 EA 52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	388.68 59.61 143.06 79.48	41.26
23 33 13 16-0299 EA 52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.08 62.68 150.43 83.57	45.80
23 33 13 16-0300 EA 52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.24 63.44 152.26 84.59	50.32
23 33 13 16-0301 EA 52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	462.36 66.90 160.56 89.20	55.01
23 33 13 16-0302 EA 52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	491.43 70.35 168.84 93.80	59.54
23 33 13 16-0303 EA 52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	525.65 74.96 179.90 99.94	64.08
23 33 13 16-0304 EA 52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	559.87 79.56 190.94 106.08	68.75
23 33 13 16-0305 EA 52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	604.31 86.47 207.52 115.29	73.29
23 33 13 16-0306 EA 52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	658.97 95.67 229.61 127.56	77.83
23 33 13 16-0307 EA 52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	699.95 103.34 248.02 137.79	80.17
23 33 13 16-0308 EA 52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	751.17 113.32 271.97 151.10	82.37
23 33 13 16-0309 EA 52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	805.83 122.52 294.06 163.37	87.04
23 33 13 16-0310 EA 52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	850.31 129.44 310.65 172.58	91.58
23 33 13 16-0311 EA 52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	911.84 138.64 332.74 184.86	98.46
23 33 13 16-0312 EA 52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	959.70 146.32 351.16 195.09	103.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13	16-0313	EA 56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.87 58.07 139.38 77.43	41.26
23 33	13	16-0314	EA 56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	412.65 61.91 148.58 82.54	45.80
23 33	13	16-0315	EA 56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	436.67 64.22 154.12 85.62	50.32
23 33	13	16-0316	EA 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	453.81 64.98 155.95 86.64	55.01
23 33	13	16-0317	EA 56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.32 69.20 166.08 92.27	59.54
23 33	13	16-0318	EA 56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	518.82 73.42 176.21 97.89	64.08
23 33	13	16-0319	EA 56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	551.34 77.64 186.34 103.52	68.75
23 33	13	16-0320	EA 56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	583.84 81.86 196.46 109.15	73.29
23 33	13	16-0321	EA 56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	638.50 91.06 218.55 121.42	77.83
23 33	13	16-0322	EA 56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	686.32 100.28 240.66 133.70	80.17
23 33	13	16-0323	EA 56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	730.70 108.72 260.92 144.95	82.37
23 33	13	16-0324	EA 56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	792.22 119.46 286.71 159.28	87.04
23 33	13	16-0325	EA 56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	846.88 128.67 308.80 171.56	91.58
23 33	13	16-0326	EA 56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	904.97 138.64 332.74 184.86	96.12
23 33	13	16-0327	EA 56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	952.82 146.32 351.16 195.09	100.80
23 33	13	16-0328	EA 56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,010.92 156.29 375.11 208.39	105.33
23 33	13	16-0329	EA 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,069.01 166.27 399.05 221.69	109.87
23 33	13	16-0330	EA 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.84 60.37 144.90 80.50	45.80
23 33	13	16-0331	EA 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	436.67 64.22 154.12 85.62	50.32
23 33	13	16-0332	EA 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	457.21 65.74 157.78 87.66	55.01
23 33	13	16-0333	EA 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	474.38 66.51 159.63 88.69	59.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	508.60	64.08
For Spring Activated Horizontal Mount Operation, Add	71.12	
For Dynamic Damper, Add	170.69	
For 3 Hour Rated, Add	94.83	
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	542.80	68.75
For Spring Activated Horizontal Mount Operation, Add	75.72	
For Dynamic Damper, Add	181.73	
For 3 Hour Rated, Add	100.96	
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.72	73.29
For Spring Activated Horizontal Mount Operation, Add	80.71	
For Dynamic Damper, Add	193.70	
For 3 Hour Rated, Add	107.61	
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	614.64	77.83
For Spring Activated Horizontal Mount Operation, Add	85.70	
For Dynamic Damper, Add	205.67	
For 3 Hour Rated, Add	114.26	
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.85	80.17
For Spring Activated Horizontal Mount Operation, Add	95.67	
For Dynamic Damper, Add	229.61	
For 3 Hour Rated, Add	127.56	
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	713.65	82.37
For Spring Activated Horizontal Mount Operation, Add	104.88	
For Dynamic Damper, Add	251.71	
For 3 Hour Rated, Add	139.84	
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	771.76	87.04
For Spring Activated Horizontal Mount Operation, Add	114.86	
For Dynamic Damper, Add	275.66	
For 3 Hour Rated, Add	153.14	
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	829.85	91.58
For Spring Activated Horizontal Mount Operation, Add	124.83	
For Dynamic Damper, Add	299.60	
For 3 Hour Rated, Add	166.45	
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	877.70	96.12
For Spring Activated Horizontal Mount Operation, Add	132.51	
For Dynamic Damper, Add	318.02	
For 3 Hour Rated, Add	176.68	
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	946.00	100.80
For Spring Activated Horizontal Mount Operation, Add	144.78	
For Dynamic Damper, Add	347.48	
For 3 Hour Rated, Add	193.04	
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,007.50	105.33
For Spring Activated Horizontal Mount Operation, Add	155.52	
For Dynamic Damper, Add	373.26	
For 3 Hour Rated, Add	207.37	
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,069.01	109.87
For Spring Activated Horizontal Mount Operation, Add	166.27	
For Dynamic Damper, Add	399.05	
For 3 Hour Rated, Add	221.69	
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,123.65	114.55
For Spring Activated Horizontal Mount Operation, Add	175.47	
For Dynamic Damper, Add	421.13	
For 3 Hour Rated, Add	233.96	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,178.37	119.09
For Spring Activated Horizontal Mount Operation, Add	184.69	
For Dynamic Damper, Add	443.25	
For 3 Hour Rated, Add	246.25	
23 33 13 16-0348 Round 2 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper	134.13	27.50
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper	139.80	27.50
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper	164.30	31.22
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper	170.46	31.22
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper	204.44	34.38
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper	221.39	34.38
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper	246.04	38.23
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper	276.36	43.04
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper	314.11	49.09
23 33 13 16-0358 Round 4 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper	151.13	31.22
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper	166.57	31.22
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper	188.46	34.38
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper	208.38	34.38
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper	236.00	38.23
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper	248.14	38.23
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper	276.73	43.04
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper	306.39	49.09
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper	357.47	57.35

23 33 13 19 Smoke-Control Dampers (23 33 13)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 33 13 19-0001		Combination Smoke/Fire Damper <small>(23 33 13 19)</small>			
		Note: Leakage class I with Firestat UL 555S air foil blades.			
23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.17		22.90
		<i>For Dynamic Damper, Add</i>	291.86		
		<i>For 3 Hour Rated, Add</i>	162.15		
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	625.46		23.93
		<i>For Dynamic Damper, Add</i>	298.99		
		<i>For 3 Hour Rated, Add</i>	166.10		
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.24		24.13
		<i>For Dynamic Damper, Add</i>	306.21		
		<i>For 3 Hour Rated, Add</i>	170.12		
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.96		24.13
		<i>For Dynamic Damper, Add</i>	287.16		
		<i>For 3 Hour Rated, Add</i>	159.53		
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.49		24.75
		<i>For Dynamic Damper, Add</i>	293.88		
		<i>For 3 Hour Rated, Add</i>	163.27		
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	651.71		27.44
		<i>For Dynamic Damper, Add</i>	307.37		
		<i>For 3 Hour Rated, Add</i>	170.76		
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.49		24.75
		<i>For Dynamic Damper, Add</i>	293.88		
		<i>For 3 Hour Rated, Add</i>	163.27		
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.59		26.20
		<i>For Dynamic Damper, Add</i>	307.37		
		<i>For 3 Hour Rated, Add</i>	170.76		
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.17		27.44
		<i>For Dynamic Damper, Add</i>	314.10		
		<i>For 3 Hour Rated, Add</i>	174.50		
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.02		30.94
		<i>For Dynamic Damper, Add</i>	320.87		
		<i>For 3 Hour Rated, Add</i>	178.26		
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	641.37		26.20
		<i>For Dynamic Damper, Add</i>	304.01		
		<i>For 3 Hour Rated, Add</i>	168.90		
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.17		27.44
		<i>For Dynamic Damper, Add</i>	314.10		
		<i>For 3 Hour Rated, Add</i>	174.50		
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.83		28.88
		<i>For Dynamic Damper, Add</i>	320.87		
		<i>For 3 Hour Rated, Add</i>	178.26		
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	699.55		30.94
		<i>For Dynamic Damper, Add</i>	327.63		
		<i>For 3 Hour Rated, Add</i>	182.02		
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.08		34.45
		<i>For Dynamic Damper, Add</i>	344.49		
		<i>For 3 Hour Rated, Add</i>	191.39		
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	724.43		27.44
		<i>For Dynamic Damper, Add</i>	346.64		
		<i>For 3 Hour Rated, Add</i>	192.58		
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	738.38		29.49
		<i>For Dynamic Damper, Add</i>	350.83		
		<i>For 3 Hour Rated, Add</i>	194.90		
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.38		32.38
		<i>For Dynamic Damper, Add</i>	355.01		
		<i>For 3 Hour Rated, Add</i>	197.23		
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	768.21		34.45
		<i>For Dynamic Damper, Add</i>	359.14		
		<i>For 3 Hour Rated, Add</i>	199.52		
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	797.88		37.75
		<i>For Dynamic Damper, Add</i>	369.59		
		<i>For 3 Hour Rated, Add</i>	205.33		
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	827.49		41.26
		<i>For Dynamic Damper, Add</i>	380.01		
		<i>For 3 Hour Rated, Add</i>	211.12		
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	736.31		28.88
		<i>For Dynamic Damper, Add</i>	350.83		
		<i>For 3 Hour Rated, Add</i>	194.90		
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.05		30.94
		<i>For Dynamic Damper, Add</i>	357.06		
		<i>For 3 Hour Rated, Add</i>	198.37		
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	776.01		34.45
		<i>For Dynamic Damper, Add</i>	363.36		
		<i>For 3 Hour Rated, Add</i>	201.86		
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.63		37.75
		<i>For Dynamic Damper, Add</i>	373.78		
		<i>For 3 Hour Rated, Add</i>	207.65		
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	831.34		41.26
		<i>For Dynamic Damper, Add</i>	382.09		
		<i>For 3 Hour Rated, Add</i>	212.27		
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	860.96		44.55
		<i>For Dynamic Damper, Add</i>	392.52		
		<i>For 3 Hour Rated, Add</i>	218.06		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	882.87 398.78 221.54	48.07
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	750.25 355.01 197.23	30.94
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	775.96 363.33 201.85	34.45
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	801.73 371.67 206.48	37.75
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	842.99 388.38 215.77	41.26
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	864.86 394.62 219.23	44.55
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	886.72 400.86 222.70	48.07
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	912.48 409.20 227.33	51.57
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	938.19 417.51 231.95	54.86
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	768.86 359.49 199.72	34.45
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	794.80 367.93 204.41	37.75
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	815.55 373.57 207.54	41.26
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	841.42 381.96 212.20	44.55
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	859.55 386.19 214.55	48.07
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	877.63 390.38 216.88	51.57
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	903.54 398.80 221.56	54.86
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	939.75 407.22 226.23	61.88
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	981.19 418.46 232.48	68.68
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	794.80 367.93 204.41	37.75
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	815.55 373.57 207.54	41.26
23 33 13 19-0049 EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	841.42 381.96 212.20	44.55
23 33 13 19-0050 EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	862.14 387.59 215.33	48.07
23 33 13 19-0051 EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	885.45 394.61 219.23	51.57
23 33 13 19-0052 EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	908.73 401.60 223.11	54.86
23 33 13 19-0053 EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	944.94 410.02 227.79	61.88
23 33 13 19-0054 EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	981.19 418.46 232.48	68.68
23 33 13 19-0055 EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,022.68 435.29 241.83	72.19
23 33 13 19-0056 EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,069.31 449.33 249.63	79.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	831.10 381.96 212.20	41.26
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	846.61 384.77 213.76	44.55
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	862.14 387.59 215.33	48.07
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	882.82 393.18 218.44	51.57
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	909.70 402.13 223.40	54.86
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	944.94 410.02 227.79	61.88
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	986.41 421.28 234.04	68.68
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,027.84 432.51 240.29	75.49
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,069.31 449.33 249.63	79.00
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,122.24 469.01 260.56	84.57
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,178.23 491.44 273.02	89.31
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	873.30 399.18 221.77	44.55
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	894.87 405.26 225.14	48.07
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	916.49 411.37 228.54	51.57
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	943.78 420.53 233.63	54.86
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	972.90 425.12 236.18	61.88
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	991.68 429.69 238.72	65.18
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,050.90 444.97 247.20	75.49
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,099.73 460.19 255.66	82.50
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,141.89 478.50 265.84	85.19
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,205.68 502.92 279.40	91.38
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,259.63 524.26 291.26	96.12
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,315.14 548.67 304.82	99.63
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,399.39 677.70 376.50	51.57
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,440.00 694.06 385.59	54.86
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,457.93 698.17 387.87	58.37
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,475.85 702.28 390.16	61.88
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,523.01 716.61 398.12	65.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0085 EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,559.91 730.97 406.09	68.68
23 33 13 19-0086 EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,621.20 747.35 415.20	79.00
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,672.13 763.72 424.29	85.81
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,734.19 788.32 437.96	91.38
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,832.01 833.34 462.97	96.12
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,893.98 857.90 476.61	101.69
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,985.70 902.97 501.65	104.37
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,078.07 943.94 524.41	109.94
23 33 13 19-0093 EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,424.87 685.89 381.05	51.57
23 33 13 19-0094 EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,465.54 702.28 390.16	54.86
23 33 13 19-0095 EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,498.63 714.58 396.99	58.37
23 33 13 19-0096 EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,516.55 718.69 399.27	61.88
23 33 13 19-0097 EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,557.20 735.08 408.38	65.18
23 33 13 19-0098 EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,597.82 751.44 417.47	68.68
23 33 13 19-0099 EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,677.03 771.94 428.85	82.50
23 33 13 19-0100 EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,735.52 792.38 440.21	89.31
23 33 13 19-0101 EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,832.01 833.34 462.97	96.12
23 33 13 19-0102 EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,920.88 870.20 483.44	103.13
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,017.33 911.14 506.19	109.94
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,095.89 948.00 526.67	113.24
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,174.51 984.88 547.16	116.75
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,253.12 1,021.76 567.65	120.26
23 33 13 19-0107 EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,457.93 698.17 387.87	54.86
23 33 13 19-0108 EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,498.63 714.58 396.99	58.37
23 33 13 19-0109 EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,516.55 718.69 399.27	61.88
23 33 13 19-0110 EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,559.91 730.97 406.09	68.68
23 33 13 19-0111 EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,610.88 747.35 415.20	75.49
23 33 13 19-0112 EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,661.81 763.72 424.29	82.50

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,728.00	89.31
			<i>For Dynamic Damper, Add</i>	788.32	
			<i>For 3 Hour Rated, Add</i>	437.96	
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,794.10	96.12
			<i>For Dynamic Damper, Add</i>	812.87	
			<i>For 3 Hour Rated, Add</i>	451.60	
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,882.98	103.13
			<i>For Dynamic Damper, Add</i>	849.73	
			<i>For 3 Hour Rated, Add</i>	472.07	
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,986.98	109.94
			<i>For Dynamic Damper, Add</i>	894.75	
			<i>For 3 Hour Rated, Add</i>	497.09	
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,065.64	113.24
			<i>For Dynamic Damper, Add</i>	931.66	
			<i>For 3 Hour Rated, Add</i>	517.59	
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,166.90	116.75
			<i>For Dynamic Damper, Add</i>	980.77	
			<i>For 3 Hour Rated, Add</i>	544.87	
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,255.83	123.56
			<i>For Dynamic Damper, Add</i>	1,017.65	
			<i>For 3 Hour Rated, Add</i>	565.36	
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,357.18	127.06
			<i>For Dynamic Damper, Add</i>	1,066.81	
			<i>For 3 Hour Rated, Add</i>	592.67	
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,448.75	137.38
			<i>For Dynamic Damper, Add</i>	1,099.56	
			<i>For 3 Hour Rated, Add</i>	610.87	
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,491.02	58.37
			<i>For Dynamic Damper, Add</i>	710.47	
			<i>For 3 Hour Rated, Add</i>	394.71	
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,531.68	61.88
			<i>For Dynamic Damper, Add</i>	726.86	
			<i>For 3 Hour Rated, Add</i>	403.81	
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,582.65	68.68
			<i>For Dynamic Damper, Add</i>	743.25	
			<i>For 3 Hour Rated, Add</i>	412.91	
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,610.88	75.49
			<i>For Dynamic Damper, Add</i>	747.35	
			<i>For 3 Hour Rated, Add</i>	415.20	
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,665.66	82.50
			<i>For Dynamic Damper, Add</i>	765.80	
			<i>For 3 Hour Rated, Add</i>	425.44	
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,720.39	89.31
			<i>For Dynamic Damper, Add</i>	784.21	
			<i>For 3 Hour Rated, Add</i>	435.67	
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,786.54	96.12
			<i>For Dynamic Damper, Add</i>	808.79	
			<i>For 3 Hour Rated, Add</i>	449.33	
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,852.63	103.13
			<i>For Dynamic Damper, Add</i>	833.34	
			<i>For 3 Hour Rated, Add</i>	462.97	
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,941.51	109.94
			<i>For Dynamic Damper, Add</i>	870.20	
			<i>For 3 Hour Rated, Add</i>	483.44	
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,053.18	116.75
			<i>For Dynamic Damper, Add</i>	919.36	
			<i>For 3 Hour Rated, Add</i>	510.76	
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,139.26	120.26
			<i>For Dynamic Damper, Add</i>	960.28	
			<i>For 3 Hour Rated, Add</i>	533.49	
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,248.27	123.56
			<i>For Dynamic Damper, Add</i>	1,013.57	
			<i>For 3 Hour Rated, Add</i>	563.09	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,359.83	130.57
			<i>For Dynamic Damper, Add</i>	1,062.68	
			<i>For 3 Hour Rated, Add</i>	590.38	
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,448.75	137.38
			<i>For Dynamic Damper, Add</i>	1,099.56	
			<i>For 3 Hour Rated, Add</i>	610.87	
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,570.69	147.69
			<i>For Dynamic Damper, Add</i>	1,148.69	
			<i>For 3 Hour Rated, Add</i>	638.16	
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,667.17	154.50
			<i>For Dynamic Damper, Add</i>	1,189.66	
			<i>For 3 Hour Rated, Add</i>	660.92	
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,516.55	61.88
			<i>For Dynamic Damper, Add</i>	718.69	
			<i>For 3 Hour Rated, Add</i>	399.27	
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,575.04	68.68
			<i>For Dynamic Damper, Add</i>	739.14	
			<i>For 3 Hour Rated, Add</i>	410.63	
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,618.44	75.49
			<i>For Dynamic Damper, Add</i>	751.44	
			<i>For 3 Hour Rated, Add</i>	417.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,646.64 755.52 419.74	82.50
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,709.02 778.07 432.26	89.31
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,771.37 800.60 444.78	96.12
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,833.65 823.10 457.28	103.13
23 33 13 19-0145 EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,896.00 845.62 469.79	109.94
23 33 13 19-0146 EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,007.61 894.75 497.09	116.75
23 33 13 19-0147 EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,109.01 943.94 524.41	120.26
23 33 13 19-0148 EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,202.70 988.96 549.42	123.56
23 33 13 19-0149 EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,329.53 1,046.31 581.29	130.57
23 33 13 19-0150 EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,441.14 1,095.45 608.58	137.38
23 33 13 19-0151 EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,560.37 1,148.69 638.16	144.19
23 33 13 19-0152 EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,656.86 1,189.66 660.92	151.20
23 33 13 19-0153 EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,776.09 1,242.90 690.50	158.01
23 33 13 19-0154 EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,895.32 1,296.15 720.08	164.80
23 33 13 19-0155 EA 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,559.91 730.97 406.09	68.68
23 33 13 19-0156 EA 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,618.44 751.44 417.47	75.49
23 33 13 19-0157 EA 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,654.24 759.63 422.02	82.50
23 33 13 19-0158 EA 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,682.44 763.72 424.29	89.31
23 33 13 19-0159 EA 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,748.63 788.32 437.96	96.12
23 33 13 19-0160 EA 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,814.72 812.87 451.60	103.13
23 33 13 19-0161 EA 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,884.63 839.48 466.38	109.94
23 33 13 19-0162 EA 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,954.58 866.12 481.18	116.75
23 33 13 19-0163 EA 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,063.49 919.36 510.76	120.26
23 33 13 19-0164 EA 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,164.80 968.50 538.05	123.56
23 33 13 19-0165 EA 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,284.06 1,021.76 567.65	130.57
23 33 13 19-0166 EA 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,403.28 1,075.01 597.23	137.38
23 33 13 19-0167 EA 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,499.73 1,115.95 619.97	144.19
23 33 13 19-0168 EA 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,641.69 1,181.47 656.37	151.20

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,768.53		158.01
		<i>For Dynamic Damper, Add</i>	1,238.82		
		<i>For 3 Hour Rated, Add</i>	688.23		
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,895.32		164.80
		<i>For Dynamic Damper, Add</i>	1,296.15		
		<i>For 3 Hour Rated, Add</i>	720.08		
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,006.89		171.82
		<i>For Dynamic Damper, Add</i>	1,345.25		
		<i>For 3 Hour Rated, Add</i>	747.36		
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,118.63		178.62
		<i>For Dynamic Damper, Add</i>	1,394.46		
		<i>For 3 Hour Rated, Add</i>	774.70		
23 33 13 19-0173 Smoke Damper <small>(23 33 13 19)</small>					
Note: Leakage class I with Firestat UL 555S air foil blades.					
23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.19		15.26
		<i>For Dynamic Damper, Add</i>	47.73		
		<i>For 3 Hour Rated, Add</i>	26.52		
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.46		15.95
		<i>For Dynamic Damper, Add</i>	48.93		
		<i>For 3 Hour Rated, Add</i>	27.18		
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.99		16.09
		<i>For Dynamic Damper, Add</i>	50.14		
		<i>For 3 Hour Rated, Add</i>	27.86		
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.99		16.09
		<i>For Dynamic Damper, Add</i>	50.14		
		<i>For 3 Hour Rated, Add</i>	27.86		
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.60		16.50
		<i>For Dynamic Damper, Add</i>	51.35		
		<i>For 3 Hour Rated, Add</i>	28.53		
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.57		18.29
		<i>For Dynamic Damper, Add</i>	53.76		
		<i>For 3 Hour Rated, Add</i>	29.87		
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.60		16.50
		<i>For Dynamic Damper, Add</i>	51.35		
		<i>For 3 Hour Rated, Add</i>	28.53		
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.81		17.46
		<i>For Dynamic Damper, Add</i>	53.76		
		<i>For 3 Hour Rated, Add</i>	29.87		
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.82		18.29
		<i>For Dynamic Damper, Add</i>	54.98		
		<i>For 3 Hour Rated, Add</i>	30.54		
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.92		20.63
		<i>For Dynamic Damper, Add</i>	56.18		
		<i>For 3 Hour Rated, Add</i>	31.21		
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.70		17.46
		<i>For Dynamic Damper, Add</i>	53.16		
		<i>For 3 Hour Rated, Add</i>	29.54		
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.82		18.29
		<i>For Dynamic Damper, Add</i>	54.98		
		<i>For 3 Hour Rated, Add</i>	30.54		
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.80		19.26
		<i>For Dynamic Damper, Add</i>	56.18		
		<i>For 3 Hour Rated, Add</i>	31.21		
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.17		20.63
		<i>For Dynamic Damper, Add</i>	57.40		
		<i>For 3 Hour Rated, Add</i>	31.89		
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.63		22.97
		<i>For Dynamic Damper, Add</i>	60.42		
		<i>For 3 Hour Rated, Add</i>	33.56		
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.32		18.29
		<i>For Dynamic Damper, Add</i>	98.99		
		<i>For 3 Hour Rated, Add</i>	54.99		
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.67		19.66
		<i>For Dynamic Damper, Add</i>	100.19		
		<i>For 3 Hour Rated, Add</i>	55.66		
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.42		21.59
		<i>For Dynamic Damper, Add</i>	101.41		
		<i>For 3 Hour Rated, Add</i>	56.34		
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.76		22.97
		<i>For Dynamic Damper, Add</i>	102.61		
		<i>For 3 Hour Rated, Add</i>	57.00		
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.26		25.17
		<i>For Dynamic Damper, Add</i>	105.64		
		<i>For 3 Hour Rated, Add</i>	58.69		
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.72		27.50
		<i>For Dynamic Damper, Add</i>	108.66		
		<i>For 3 Hour Rated, Add</i>	60.37		
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.30		19.26
		<i>For Dynamic Damper, Add</i>	100.19		
		<i>For 3 Hour Rated, Add</i>	55.66		
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.78		20.63
		<i>For Dynamic Damper, Add</i>	102.01		
		<i>For 3 Hour Rated, Add</i>	56.67		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.02 103.83 57.68	22.97
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	273.50 106.85 59.36	25.17
23 33 13 19-0199 EA 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	284.83 109.26 60.70	27.50
23 33 13 19-0200 EA 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.32 112.29 62.38	29.71
23 33 13 19-0201 EA 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	307.56 114.10 63.39	32.04
23 33 13 19-0202 EA 20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	249.67 101.41 56.34	20.63
23 33 13 19-0203 EA 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.01 103.82 57.68	22.97
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.37 106.24 59.02	25.17
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	288.21 111.08 61.71	27.50
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	298.44 112.89 62.72	29.71
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	308.68 114.71 63.73	32.04
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	320.02 117.12 65.07	34.38
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.36 119.53 66.41	36.58
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	328.44 140.23 77.91	22.97
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.05 143.87 79.93	25.17
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	353.41 146.29 81.27	27.50
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	367.00 149.91 83.29	29.71
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.24 151.73 84.29	32.04
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	387.45 153.53 85.30	34.38
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.05 157.16 87.31	36.58
23 33 13 19-0217 EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.51 160.79 89.33	41.26
23 33 13 19-0218 EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	444.23 165.63 92.02	45.80
23 33 13 19-0219 EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.05 143.87 79.93	25.17
23 33 13 19-0220 EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	353.41 146.29 81.27	27.50
23 33 13 19-0221 EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	367.00 149.91 83.29	29.71
23 33 13 19-0222 EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	378.35 152.33 84.63	32.04
23 33 13 19-0223 EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	390.81 155.35 86.30	34.38
23 33 13 19-0224 EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	403.28 158.37 87.98	36.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	423.75 161.99 90.00	41.26
23 33 13	19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	444.23 165.63 92.02	45.80
23 33 13	19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	464.52 172.87 96.04	48.13
23 33 13	19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	489.47 178.92 99.40	52.67
23 33 13	19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	360.12 149.91 83.29	27.50
23 33 13	19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	369.22 151.11 83.95	29.71
23 33 13	19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	378.35 152.33 84.63	32.04
23 33 13	19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.68 154.74 85.97	34.38
23 33 13	19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	403.70 158.59 88.11	36.58
23 33 13	19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	423.75 161.99 90.00	41.26
23 33 13	19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	446.46 166.83 92.69	45.80
23 33 13	19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	469.19 171.68 95.38	50.32
23 33 13	19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	489.47 178.92 99.40	52.67
23 33 13	19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	516.15 187.39 104.10	56.38
23 33 13	19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	543.67 197.05 109.47	59.54
23 33 13	19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.55 155.61 86.45	29.71
23 33 13	19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	389.11 158.14 87.86	32.04
23 33 13	19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	400.65 160.66 89.26	34.38
23 33 13	19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	414.58 164.47 91.37	36.58
23 33 13	19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	431.86 166.37 92.43	41.26
23 33 13	19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	442.26 168.27 93.49	43.46
23 33 13	19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	474.61 174.60 97.00	50.32
23 33 13	19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	500.07 180.93 100.52	55.01
23 33 13	19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	519.64 188.53 104.74	56.79
23 33 13	19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	550.76 198.65 110.36	60.92
23 33 13	19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	576.80 207.52 115.29	64.08
23 33 13	19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	602.44 217.65 120.92	66.41
23 33 13	19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	435.66 183.28 101.82	34.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	451.90 188.34 104.63	36.58
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	461.13 189.60 105.34	38.92
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	470.36 190.87 106.04	41.26
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	492.32 195.31 108.50	43.46
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.41 199.75 110.97	45.80
23 33 13 19-0258 EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	537.41 204.81 113.78	52.67
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	560.56 209.88 116.60	57.20
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	585.61 217.47 120.82	60.92
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	621.02 231.40 128.55	64.08
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	646.08 238.98 132.77	67.80
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	677.38 252.91 140.51	69.58
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	711.84 265.58 147.55	73.29
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	447.22 185.81 103.23	34.38
23 33 13 19-0266 EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	463.48 190.87 106.04	36.58
23 33 13 19-0267 EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	477.41 194.68 108.16	38.92
23 33 13 19-0268 EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.63 195.95 108.86	41.26
23 33 13 19-0269 EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	502.88 201.01 111.67	43.46
23 33 13 19-0270 EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	519.13 206.07 114.49	45.80
23 33 13 19-0271 EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	558.37 212.41 118.01	55.01
23 33 13 19-0272 EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	583.82 218.73 121.52	59.54
23 33 13 19-0273 EA 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	621.02 231.40 128.55	64.08
23 33 13 19-0274 EA 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	655.89 242.79 134.89	68.75
23 33 13 19-0275 EA 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	693.06 255.44 141.91	73.29
23 33 13 19-0276 EA 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	721.04 266.84 148.25	75.49
23 33 13 19-0277 EA 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	749.03 278.24 154.58	77.83
23 33 13 19-0278 EA 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	777.02 289.64 160.91	80.17
23 33 13 19-0279 EA 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	461.13 189.60 105.34	36.58
23 33 13 19-0280 EA 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	477.41 194.68 108.16	38.92

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.63 195.95 108.86	41.26
23 33 13	19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.41 199.75 110.97	45.80
23 33 13	19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	530.54 204.81 113.78	50.32
23 33 13	19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	553.68 209.88 116.60	55.01
23 33 13	19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	581.48 217.47 120.82	59.54
23 33 13	19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	609.28 225.06 125.03	64.08
23 33 13	19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	644.15 236.46 131.36	68.75
23 33 13	19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	683.69 250.38 139.10	73.29
23 33 13	19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	711.68 261.79 145.44	75.49
23 33 13	19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	746.68 276.97 153.87	77.83
23 33 13	19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	781.54 288.37 160.21	82.37
23 33 13	19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	816.55 303.56 168.65	84.71
23 33 13	19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	855.95 313.70 174.28	91.58
23 33 13	19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	475.07 193.42 107.45	38.92
23 33 13	19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	491.31 198.48 110.27	41.26
23 33 13	19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	514.43 203.54 113.08	45.80
23 33 13	19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	530.54 204.81 113.78	50.32
23 33 13	19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	554.85 210.51 116.95	55.01
23 33 13	19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	579.14 216.21 120.11	59.54
23 33 13	19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	606.95 223.80 124.33	64.08
23 33 13	19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	634.78 231.40 128.55	68.75
23 33 13	19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	669.64 242.79 134.89	73.29
23 33 13	19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	711.51 257.98 143.32	77.83
23 33 13	19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	741.83 270.64 150.35	80.17
23 33 13	19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	779.19 287.10 159.50	82.37
23 33 13	19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	821.07 302.29 167.94	87.04
23 33 13	19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	855.95 313.70 174.28	91.58
23 33 13	19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	904.70 328.89 182.72	98.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	941.91 341.56 189.75	103.00
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.63 195.95 108.86	41.26
23 33 13 19-0311 EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	512.08 202.27 112.37	45.80
23 33 13 19-0312 EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	532.89 206.07 114.49	50.32
23 33 13 19-0313 EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	548.97 207.33 115.19	55.01
23 33 13 19-0314 EA 56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	575.62 214.30 119.06	59.54
23 33 13 19-0315 EA 56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	602.26 221.27 122.93	64.08
23 33 13 19-0316 EA 56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	628.91 228.23 126.79	68.75
23 33 13 19-0317 EA 56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	655.56 235.19 130.66	73.29
23 33 13 19-0318 EA 56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	697.44 250.38 139.10	77.83
23 33 13 19-0319 EA 56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	732.47 265.58 147.55	80.17
23 33 13 19-0320 EA 56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	765.13 279.51 155.28	82.37
23 33 13 19-0321 EA 56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	811.71 297.23 165.13	87.04
23 33 13 19-0322 EA 56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	853.60 312.43 173.57	91.58
23 33 13 19-0323 EA 56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	897.83 328.89 182.72	96.12
23 33 13 19-0324 EA 56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	935.03 341.56 189.75	100.80
23 33 13 19-0325 EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	979.27 358.01 198.90	105.33
23 33 13 19-0326 EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,023.50 374.47 208.04	109.87
23 33 13 19-0327 EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.41 199.75 110.97	45.80
23 33 13 19-0328 EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	532.89 206.07 114.49	50.32
23 33 13 19-0329 EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	551.31 208.60 115.89	55.01
23 33 13 19-0330 EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	567.42 209.88 116.60	59.54
23 33 13 19-0331 EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	595.23 217.47 120.82	64.08
23 33 13 19-0332 EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	623.04 225.06 125.03	68.75
23 33 13 19-0333 EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	652.04 233.29 129.61	73.29
23 33 13 19-0334 EA 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	681.03 241.52 134.18	77.83
23 33 13 19-0335 EA 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	718.39 257.98 143.32	80.17
23 33 13 19-0336 EA 60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	753.39 273.17 151.76	82.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	797.65 289.64 160.91	87.04
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	841.88 306.10 170.06	91.58
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	879.07 318.76 177.09	96.12
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	930.31 339.01 188.34	100.80
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	976.90 356.73 198.19	105.33
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,023.50 374.47 208.04	109.87
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,065.35 389.65 216.47	114.55
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,107.26 404.85 224.92	119.09

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper	110.65	15.26
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper	134.29	15.95
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper	163.39	16.09
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper	156.20	16.09
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper	148.99	16.50
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper	179.36	18.29
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper	139.05	16.50
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper	174.39	18.29
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper	166.43	19.26
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper	192.30	20.63
23 33 13 23-0012	EA		14" x 6" Horizontally Mounted Backdraft Damper	156.71	17.46
23 33 13 23-0013	EA		14" x 8" Horizontally Mounted Backdraft Damper	159.18	19.26
23 33 13 23-0014	EA		14" x 10" Horizontally Mounted Backdraft Damper	188.69	20.63
23 33 13 23-0015	EA		14" x 12" Horizontally Mounted Backdraft Damper	166.29	22.97
23 33 13 23-0016	EA		14" x 14" Horizontally Mounted Backdraft Damper	189.43	25.17
23 33 13 23-0017	EA		16" x 6" Horizontally Mounted Backdraft Damper	174.39	18.29
23 33 13 23-0018	EA		16" x 8" Horizontally Mounted Backdraft Damper	177.80	20.63
23 33 13 23-0019	EA		16" x 10" Horizontally Mounted Backdraft Damper	161.65	22.97
23 33 13 23-0020	EA		16" x 12" Horizontally Mounted Backdraft Damper	180.21	22.97
23 33 13 23-0021	EA		16" x 14" Horizontally Mounted Backdraft Damper	205.69	25.17
23 33 13 23-0022	EA		16" x 16" Horizontally Mounted Backdraft Damper	231.12	27.50
23 33 13 23-0023	EA		18" x 6" Horizontally Mounted Backdraft Damper	155.58	19.26
23 33 13 23-0024	EA		18" x 8" Horizontally Mounted Backdraft Damper	145.47	20.63
23 33 13 23-0025	EA		18" x 10" Horizontally Mounted Backdraft Damper	173.24	22.97
23 33 13 23-0026	EA		18" x 12" Horizontally Mounted Backdraft Damper	201.02	25.17
23 33 13 23-0027	EA		18" x 14" Horizontally Mounted Backdraft Damper	228.78	27.50
23 33 13 23-0028	EA		18" x 16" Horizontally Mounted Backdraft Damper	261.93	29.71
23 33 13 23-0029	EA		18" x 18" Horizontally Mounted Backdraft Damper	297.24	34.38
23 33 13 23-0030	EA		18" x 20" Horizontally Mounted Backdraft Damper	240.82	36.58
23 33 13 23-0031	EA		18" x 24" Horizontally Mounted Backdraft Damper	280.72	41.26
23 33 13 23-0032	EA		20" x 6" Horizontally Mounted Backdraft Damper	170.55	20.63
23 33 13 23-0033	EA		20" x 8" Horizontally Mounted Backdraft Damper	161.65	22.97
23 33 13 23-0034	EA		20" x 10" Horizontally Mounted Backdraft Damper	191.73	25.17
23 33 13 23-0035	EA		20" x 12" Horizontally Mounted Backdraft Damper	221.84	27.50
23 33 13 23-0036	EA		20" x 14" Horizontally Mounted Backdraft Damper	257.14	29.71
23 33 13 23-0037	EA		20" x 16" Horizontally Mounted Backdraft Damper	287.98	32.04
23 33 13 23-0038	EA		20" x 18" Horizontally Mounted Backdraft Damper	240.82	36.58
23 33 13 23-0039	EA		20" x 20" Horizontally Mounted Backdraft Damper	255.35	36.58
23 33 13 23-0040	EA		20" x 24" Horizontally Mounted Backdraft Damper	298.16	41.26
23 33 13 23-0041	EA		20" x 28" Horizontally Mounted Backdraft Damper	340.97	45.80
23 33 13 23-0042	EA		20" x 32" Horizontally Mounted Backdraft Damper	317.36	50.32
23 33 13 23-0043	EA		20" x 36" Horizontally Mounted Backdraft Damper	351.85	55.01
23 33 13 23-0044	EA		24" x 6" Horizontally Mounted Backdraft Damper	152.34	22.97
23 33 13 23-0045	EA		24" x 8" Horizontally Mounted Backdraft Damper	187.09	25.17
23 33 13 23-0046	EA		24" x 10" Horizontally Mounted Backdraft Damper	221.84	27.50
23 33 13 23-0047	EA		24" x 12" Horizontally Mounted Backdraft Damper	261.93	29.71
23 33 13 23-0048	EA		24" x 14" Horizontally Mounted Backdraft Damper	225.21	34.38
23 33 13 23-0049	EA		24" x 16" Horizontally Mounted Backdraft Damper	249.53	36.58
23 33 13 23-0050	EA		24" x 18" Horizontally Mounted Backdraft Damper	280.72	41.26
23 33 13 23-0051	EA		24" x 20" Horizontally Mounted Backdraft Damper	298.16	41.26
23 33 13 23-0052	EA		24" x 24" Horizontally Mounted Backdraft Damper	346.79	45.80
23 33 13 23-0053	EA		24" x 28" Horizontally Mounted Backdraft Damper	325.64	50.32
23 33 13 23-0054	EA		24" x 32" Horizontally Mounted Backdraft Damper	364.32	55.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper.....	402.96	59.54
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper.....	391.81	64.08
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper.....	425.50	68.75
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper.....	445.42	68.75
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper.....	166.29	22.97
23 33 13 23-0060 EA 28" x 8" Horizontally Mounted Backdraft Damper.....	205.69	25.17
23 33 13 23-0061 EA 28" x 10" Horizontally Mounted Backdraft Damper.....	257.14	29.71
23 33 13 23-0062 EA 28" x 12" Horizontally Mounted Backdraft Damper.....	225.21	34.38
23 33 13 23-0063 EA 28" x 14" Horizontally Mounted Backdraft Damper.....	252.44	36.58
23 33 13 23-0064 EA 28" x 16" Horizontally Mounted Backdraft Damper.....	286.54	41.26
23 33 13 23-0065 EA 28" x 18" Horizontally Mounted Backdraft Damper.....	320.64	45.80
23 33 13 23-0066 EA 28" x 20" Horizontally Mounted Backdraft Damper.....	340.97	45.80
23 33 13 23-0067 EA 28" x 24" Horizontally Mounted Backdraft Damper.....	325.64	50.32
23 33 13 23-0068 EA 28" x 28" Horizontally Mounted Backdraft Damper.....	368.48	55.01
23 33 13 23-0069 EA 28" x 32" Horizontally Mounted Backdraft Damper.....	411.27	59.54
23 33 13 23-0070 EA 28" x 36" Horizontally Mounted Backdraft Damper.....	415.52	68.75
23 33 13 23-0071 EA 28" x 40" Horizontally Mounted Backdraft Damper.....	438.78	68.75
23 33 13 23-0072 EA 28" x 44" Horizontally Mounted Backdraft Damper.....	475.77	73.29
23 33 13 23-0073 EA 28" x 48" Horizontally Mounted Backdraft Damper.....	512.78	77.83
23 33 13 23-0074 EA 28" x 52" Horizontally Mounted Backdraft Damper.....	536.04	77.83
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper.....	532.35	82.37
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper.....	552.67	82.37
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper.....	187.09	25.17
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper.....	242.76	29.71
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper.....	287.98	32.04
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper.....	249.53	36.58
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper.....	286.54	41.26
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper.....	323.53	45.80
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper.....	286.98	45.80
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper.....	317.36	50.32
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper.....	364.32	55.01
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper.....	411.27	59.54
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper.....	418.86	68.75
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper.....	445.42	68.75
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper.....	485.74	73.29
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper.....	526.06	77.83
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper.....	526.53	82.37
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper.....	549.79	82.37
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper.....	586.78	87.04
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper.....	610.05	87.04
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper.....	593.89	91.58
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper.....	613.82	91.58
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper.....	647.50	96.12
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper.....	201.02	25.17
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper.....	268.81	32.04
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper.....	240.82	36.58
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper.....	280.72	41.26
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper.....	320.64	45.80
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper.....	286.98	45.80
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper.....	319.42	50.32
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper.....	351.85	55.01
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper.....	402.96	59.54
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper.....	415.52	68.75
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper.....	445.42	68.75
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper.....	489.05	73.29
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper.....	532.71	77.83
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper.....	535.23	82.37
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper.....	575.17	87.04
23 33 13 23-0113 EA 36" x 52" Horizontally Mounted Backdraft Damper.....	601.31	87.04
23 33 13 23-0114 EA 36" x 56" Horizontally Mounted Backdraft Damper.....	588.92	91.58
23 33 13 23-0115 EA 36" x 60" Horizontally Mounted Backdraft Damper.....	611.33	91.58
23 33 13 23-0116 EA 36" x 64" Horizontally Mounted Backdraft Damper.....	647.50	96.12
23 33 13 23-0117 EA 36" x 68" Horizontally Mounted Backdraft Damper.....	669.91	96.12
23 33 13 23-0118 EA 36" x 72" Horizontally Mounted Backdraft Damper.....	692.36	96.12
23 33 13 23-0119 EA 40" x 6" Horizontally Mounted Backdraft Damper.....	221.84	27.50
23 33 13 23-0120 EA 40" x 8" Horizontally Mounted Backdraft Damper.....	294.85	34.38
23 33 13 23-0121 EA 40" x 10" Horizontally Mounted Backdraft Damper.....	255.35	36.58
23 33 13 23-0122 EA 40" x 12" Horizontally Mounted Backdraft Damper.....	298.16	41.26
23 33 13 23-0123 EA 40" x 14" Horizontally Mounted Backdraft Damper.....	340.97	45.80
23 33 13 23-0124 EA 40" x 16" Horizontally Mounted Backdraft Damper.....	317.36	50.32
23 33 13 23-0125 EA 40" x 18" Horizontally Mounted Backdraft Damper.....	351.85	55.01
23 33 13 23-0126 EA 40" x 20" Horizontally Mounted Backdraft Damper.....	386.34	59.54
23 33 13 23-0127 EA 40" x 24" Horizontally Mounted Backdraft Damper.....	391.81	64.08
23 33 13 23-0128 EA 40" x 28" Horizontally Mounted Backdraft Damper.....	438.78	68.75
23 33 13 23-0129 EA 40" x 32" Horizontally Mounted Backdraft Damper.....	485.74	73.29
23 33 13 23-0130 EA 40" x 36" Horizontally Mounted Backdraft Damper.....	532.71	77.83
23 33 13 23-0131 EA 40" x 40" Horizontally Mounted Backdraft Damper.....	538.14	82.37
23 33 13 23-0132 EA 40" x 44" Horizontally Mounted Backdraft Damper.....	580.96	87.04
23 33 13 23-0133 EA 40" x 48" Horizontally Mounted Backdraft Damper.....	610.05	87.04
23 33 13 23-0134 EA 40" x 50" Horizontally Mounted Backdraft Damper.....	586.43	91.58
23 33 13 23-0135 EA 44" x 6" Horizontally Mounted Backdraft Damper.....	247.55	29.71

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	237.91	36.58
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	283.63	41.26
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	329.35	45.80
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	311.11	50.32
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	347.70	55.01
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	370.54	55.01
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	407.12	59.54
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	425.50	68.75
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	475.77	73.29
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	526.06	77.83
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	535.23	82.37
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	580.96	87.04
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	612.93	87.04
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	603.87	91.58
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	617.55	91.58
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	268.81	32.04
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	249.53	36.58
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	298.16	41.26
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	286.98	45.80
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	325.64	50.32
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	364.32	55.01
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	402.96	59.54
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	391.81	64.08
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	445.42	68.75
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	512.78	77.83
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	526.53	82.37
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	575.17	87.04
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	610.05	87.04
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	603.87	91.58
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	647.50	96.12
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	662.45	96.12
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	276.00	32.04
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	269.10	41.26
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	319.19	45.80
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	306.96	50.32
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	346.67	55.01
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	386.34	59.54
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	426.05	64.08
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	413.85	68.75
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	469.12	73.29
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	524.39	77.83
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	538.14	82.37
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	588.24	87.04
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	586.43	91.58
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	617.55	91.58
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	662.45	96.12
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	678.01	96.12

23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	120.47	15.26
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	147.42	15.95
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	151.86	16.09
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	158.77	16.09
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	173.99	16.50
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	193.32	18.29
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	194.73	16.50
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	220.98	18.29
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	223.73	19.26
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	234.76	20.63
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	188.74	17.46
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	199.31	19.26
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	213.53	20.63
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	220.40	22.97
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	237.38	25.17
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	231.93	18.29
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	243.86	20.63
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	213.61	22.97
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	213.61	22.97
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	236.56	25.17
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	243.43	27.50
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	226.73	19.26
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	230.85	20.63
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	249.79	22.97
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	268.74	25.17
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	275.61	27.50
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	282.49	29.71
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	300.28	34.38
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	297.21	36.58
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	325.94	41.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0214 EA 36" x 6" Vertically Mounted Backdraft Damper	264.06	20.63
23 33 13 23-0215 EA 16" x 14" Vertically Mounted Backdraft Damper	278.42	22.97
23 33 13 23-0216 EA 28" x 8" Vertically Mounted Backdraft Damper	285.30	25.17
23 33 13 23-0217 EA 20" x 12" Vertically Mounted Backdraft Damper	307.13	27.50
23 33 13 23-0218 EA 24" x 10" Vertically Mounted Backdraft Damper	314.01	29.71
23 33 13 23-0219 EA 40" x 6" Vertically Mounted Backdraft Damper	320.89	32.04
23 33 13 23-0220 EA 18" x 14" Vertically Mounted Backdraft Damper	345.89	36.58
23 33 13 23-0221 EA 16" x 16" Vertically Mounted Backdraft Damper	349.62	36.58
23 33 13 23-0222 EA 32" x 8" Vertically Mounted Backdraft Damper	363.37	41.26
23 33 13 23-0223 EA 44" x 6" Vertically Mounted Backdraft Damper	384.61	45.80
23 33 13 23-0224 EA 20" x 14" Vertically Mounted Backdraft Damper	413.35	50.32
23 33 13 23-0225 EA 28" x 10" Vertically Mounted Backdraft Damper	427.10	55.01
23 33 13 23-0226 EA 18" x 16" Vertically Mounted Backdraft Damper	338.33	22.97
23 33 13 23-0227 EA 24" x 12" Vertically Mounted Backdraft Damper	345.21	25.17
23 33 13 23-0228 EA 36" x 8" Vertically Mounted Backdraft Damper	352.08	27.50
23 33 13 23-0229 EA 48" x 6" Vertically Mounted Backdraft Damper	358.96	29.71
23 33 13 23-0230 EA 50" x 6" Vertically Mounted Backdraft Damper	383.93	34.38
23 33 13 23-0231 EA 20" x 16" Vertically Mounted Backdraft Damper	409.52	36.58
23 33 13 23-0232 EA 32" x 10" Vertically Mounted Backdraft Damper	423.27	41.26
23 33 13 23-0233 EA 40" x 8" Vertically Mounted Backdraft Damper	423.27	41.26
23 33 13 23-0234 EA 18" x 18" Vertically Mounted Backdraft Damper	377.12	45.80
23 33 13 23-0235 EA 24" x 14" Vertically Mounted Backdraft Damper	357.61	50.32
23 33 13 23-0236 EA 28" x 12" Vertically Mounted Backdraft Damper	371.36	55.01
23 33 13 23-0237 EA 44" x 8" Vertically Mounted Backdraft Damper	394.92	59.54
23 33 13 23-0238 EA 18" x 20" Vertically Mounted Backdraft Damper	413.59	64.08
23 33 13 23-0239 EA 20" x 18" Vertically Mounted Backdraft Damper	427.35	68.75
23 33 13 23-0240 EA 36" x 10" Vertically Mounted Backdraft Damper	427.35	68.75
23 33 13 23-0241 EA 24" x 16" Vertically Mounted Backdraft Damper	304.57	22.97
23 33 13 23-0242 EA 32" x 12" Vertically Mounted Backdraft Damper	311.45	25.17
23 33 13 23-0243 EA 48" x 8" Vertically Mounted Backdraft Damper	325.20	29.71
23 33 13 23-0244 EA 28" x 14" Vertically Mounted Backdraft Damper	343.86	34.38
23 33 13 23-0245 EA 20" x 20" Vertically Mounted Backdraft Damper	355.66	36.58
23 33 13 23-0246 EA 40" x 10" Vertically Mounted Backdraft Damper	369.41	41.26
23 33 13 23-0247 EA 50" x 8" Vertically Mounted Backdraft Damper	383.16	45.80
23 33 13 23-0248 EA 18" x 24" Vertically Mounted Backdraft Damper	402.81	45.80
23 33 13 23-0249 EA 24" x 18" Vertically Mounted Backdraft Damper	416.57	50.32
23 33 13 23-0250 EA 36" x 12" Vertically Mounted Backdraft Damper	430.32	55.01
23 33 13 23-0251 EA 44" x 10" Vertically Mounted Backdraft Damper	448.97	59.54
23 33 13 23-0252 EA 28" x 16" Vertically Mounted Backdraft Damper	481.40	68.75
23 33 13 23-0253 EA 32" x 14" Vertically Mounted Backdraft Damper	481.40	68.75
23 33 13 23-0254 EA 20" x 24" Vertically Mounted Backdraft Damper	517.26	73.29
23 33 13 23-0255 EA 24" x 20" Vertically Mounted Backdraft Damper	485.75	77.83
23 33 13 23-0256 EA 40" x 12" Vertically Mounted Backdraft Damper	485.75	77.83
23 33 13 23-0257 EA 48" x 10" Vertically Mounted Backdraft Damper	499.50	82.37
23 33 13 23-0258 EA 50" x 10" Vertically Mounted Backdraft Damper	510.00	82.37
23 33 13 23-0259 EA 28" x 18" Vertically Mounted Backdraft Damper	340.20	25.17
23 33 13 23-0260 EA 36" x 14" Vertically Mounted Backdraft Damper	353.95	29.71
23 33 13 23-0261 EA 32" x 16" Vertically Mounted Backdraft Damper	365.05	32.04
23 33 13 23-0262 EA 44" x 12" Vertically Mounted Backdraft Damper	387.17	36.58
23 33 13 23-0263 EA 20" x 28" Vertically Mounted Backdraft Damper	417.72	41.26
23 33 13 23-0264 EA 28" x 20" Vertically Mounted Backdraft Damper	431.47	45.80
23 33 13 23-0265 EA 40" x 14" Vertically Mounted Backdraft Damper	431.47	45.80
23 33 13 23-0266 EA 24" x 24" Vertically Mounted Backdraft Damper	453.63	50.32
23 33 13 23-0267 EA 32" x 18" Vertically Mounted Backdraft Damper	467.38	55.01
23 33 13 23-0268 EA 36" x 16" Vertically Mounted Backdraft Damper	481.12	59.54
23 33 13 23-0269 EA 48" x 12" Vertically Mounted Backdraft Damper	508.63	68.75
23 33 13 23-0270 EA 50" x 12" Vertically Mounted Backdraft Damper	521.25	68.75
23 33 13 23-0271 EA 44" x 14" Vertically Mounted Backdraft Damper	543.40	73.29
23 33 13 23-0272 EA 20" x 32" Vertically Mounted Backdraft Damper	569.74	77.83
23 33 13 23-0273 EA 32" x 20" Vertically Mounted Backdraft Damper	583.49	82.37
23 33 13 23-0274 EA 40" x 16" Vertically Mounted Backdraft Damper	583.49	82.37
23 33 13 23-0275 EA 36" x 18" Vertically Mounted Backdraft Damper	601.43	87.04
23 33 13 23-0276 EA 24" x 28" Vertically Mounted Backdraft Damper	616.14	87.04
23 33 13 23-0277 EA 28" x 24" Vertically Mounted Backdraft Damper	599.47	91.58
23 33 13 23-0278 EA 48" x 14" Vertically Mounted Backdraft Damper	599.47	91.58
23 33 13 23-0279 EA 50" x 14" Vertically Mounted Backdraft Damper	626.75	96.12
23 33 13 23-0280 EA 44" x 16" Vertically Mounted Backdraft Damper	415.51	25.17
23 33 13 23-0281 EA 20" x 36" Vertically Mounted Backdraft Damper	443.88	32.04
23 33 13 23-0282 EA 36" x 20" Vertically Mounted Backdraft Damper	457.63	36.58
23 33 13 23-0283 EA 40" x 18" Vertically Mounted Backdraft Damper	471.38	41.26
23 33 13 23-0284 EA 24" x 32" Vertically Mounted Backdraft Damper	508.30	45.80
23 33 13 23-0285 EA 32" x 24" Vertically Mounted Backdraft Damper	508.30	45.80
23 33 13 23-0286 EA 48" x 16" Vertically Mounted Backdraft Damper	522.06	50.32
23 33 13 23-0287 EA 28" x 28" Vertically Mounted Backdraft Damper	543.54	55.01
23 33 13 23-0288 EA 44" x 18" Vertically Mounted Backdraft Damper	561.13	59.54
23 33 13 23-0289 EA 40" x 20" Vertically Mounted Backdraft Damper	592.50	68.75
23 33 13 23-0290 EA 50" x 16" Vertically Mounted Backdraft Damper	592.50	68.75
23 33 13 23-0291 EA 24" x 36" Vertically Mounted Backdraft Damper	637.15	73.29
23 33 13 23-0292 EA 36" x 24" Vertically Mounted Backdraft Damper	650.90	77.83
23 33 13 23-0293 EA 48" x 18" Vertically Mounted Backdraft Damper	664.65	82.37
23 33 13 23-0294 EA 44" x 20" Vertically Mounted Backdraft Damper	686.15	87.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0295	EA		28" x 32" Vertically Mounted Backdraft Damper	693.88	87.04
23 33 13 23-0296	EA		32" x 28" Vertically Mounted Backdraft Damper	707.63	91.58
23 33 13 23-0297	EA		50" x 18" Vertically Mounted Backdraft Damper	709.54	91.58
23 33 13 23-0298	EA		24" x 40" Vertically Mounted Backdraft Damper	752.26	96.12
23 33 13 23-0299	EA		40" x 24" Vertically Mounted Backdraft Damper	752.26	96.12
23 33 13 23-0300	EA		48" x 20" Vertically Mounted Backdraft Damper	752.26	96.12
23 33 13 23-0301	EA		50" x 20" Vertically Mounted Backdraft Damper	565.30	27.50
23 33 13 23-0302	EA		28" x 36" Vertically Mounted Backdraft Damper	589.78	34.38
23 33 13 23-0303	EA		36" x 28" Vertically Mounted Backdraft Damper	596.66	36.58
23 33 13 23-0304	EA		32" x 32" Vertically Mounted Backdraft Damper	618.14	41.26
23 33 13 23-0305	EA		24" x 44" Vertically Mounted Backdraft Damper	592.22	45.80
23 33 13 23-0306	EA		44" x 24" Vertically Mounted Backdraft Damper	605.98	50.32
23 33 13 23-0307	EA		28" x 40" Vertically Mounted Backdraft Damper	647.27	55.01
23 33 13 23-0308	EA		40" x 28" Vertically Mounted Backdraft Damper	661.01	59.54
23 33 13 23-0309	EA		24" x 48" Vertically Mounted Backdraft Damper	688.56	64.08
23 33 13 23-0310	EA		32" x 36" Vertically Mounted Backdraft Damper	702.32	68.75
23 33 13 23-0311	EA		36" x 32" Vertically Mounted Backdraft Damper	716.07	73.29
23 33 13 23-0312	EA		48" x 24" Vertically Mounted Backdraft Damper	729.82	77.83
23 33 13 23-0313	EA		50" x 24" Vertically Mounted Backdraft Damper	764.23	82.37
23 33 13 23-0314	EA		28" x 44" Vertically Mounted Backdraft Damper	791.76	87.04
23 33 13 23-0315	EA		44" x 28" Vertically Mounted Backdraft Damper	791.76	87.04
23 33 13 23-0316	EA		32" x 40" Vertically Mounted Backdraft Damper	826.19	91.58
23 33 13 23-0317	EA		40" x 32" Vertically Mounted Backdraft Damper	640.54	29.71
23 33 13 23-0318	EA		36" x 36" Vertically Mounted Backdraft Damper	668.06	36.58
23 33 13 23-0319	EA		28" x 48" Vertically Mounted Backdraft Damper	702.46	41.26
23 33 13 23-0320	EA		48" x 28" Vertically Mounted Backdraft Damper	716.21	45.80
23 33 13 23-0321	EA		50" x 28" Vertically Mounted Backdraft Damper	754.08	50.32
23 33 13 23-0322	EA		32" x 44" Vertically Mounted Backdraft Damper	771.29	55.01
23 33 13 23-0323	EA		44" x 32" Vertically Mounted Backdraft Damper	771.29	55.01
23 33 13 23-0324	EA		36" x 40" Vertically Mounted Backdraft Damper	800.53	59.54
23 33 13 23-0325	EA		40" x 36" Vertically Mounted Backdraft Damper	764.32	68.75
23 33 13 23-0326	EA		28" x 52" Vertically Mounted Backdraft Damper	784.25	73.29
23 33 13 23-0327	EA		32" x 48" Vertically Mounted Backdraft Damper	829.00	77.83
23 33 13 23-0328	EA		48" x 32" Vertically Mounted Backdraft Damper	842.75	82.37
23 33 13 23-0329	EA		28" x 56" Vertically Mounted Backdraft Damper	868.92	87.04
23 33 13 23-0330	EA		36" x 44" Vertically Mounted Backdraft Damper	875.13	87.04
23 33 13 23-0331	EA		44" x 36" Vertically Mounted Backdraft Damper	888.88	91.58
23 33 13 23-0332	EA		40" x 40" Vertically Mounted Backdraft Damper	895.07	91.58
23 33 13 23-0333	EA		50" x 32" Vertically Mounted Backdraft Damper	716.30	32.04
23 33 13 23-0334	EA		32" x 52" Vertically Mounted Backdraft Damper	754.86	36.58
23 33 13 23-0335	EA		28" x 60" Vertically Mounted Backdraft Damper	774.80	41.26
23 33 13 23-0336	EA		36" x 48" Vertically Mounted Backdraft Damper	807.17	45.80
23 33 13 23-0337	EA		48" x 36" Vertically Mounted Backdraft Damper	820.93	50.32
23 33 13 23-0338	EA		40" x 44" Vertically Mounted Backdraft Damper	847.09	55.01
23 33 13 23-0339	EA		44" x 40" Vertically Mounted Backdraft Damper	860.83	59.54
23 33 13 23-0340	EA		32" x 56" Vertically Mounted Backdraft Damper	886.95	64.08
23 33 13 23-0341	EA		50" x 36" Vertically Mounted Backdraft Damper	826.31	68.75
23 33 13 23-0342	EA		36" x 52" Vertically Mounted Backdraft Damper	878.62	77.83
23 33 13 23-0343	EA		32" x 60" Vertically Mounted Backdraft Damper	908.90	82.37
23 33 13 23-0344	EA		40" x 48" Vertically Mounted Backdraft Damper	922.66	87.04
23 33 13 23-0345	EA		48" x 40" Vertically Mounted Backdraft Damper	922.66	87.04
23 33 13 23-0346	EA		44" x 44" Vertically Mounted Backdraft Damper	941.93	91.58
23 33 13 23-0347	EA		40" x 50" Vertically Mounted Backdraft Damper	977.73	96.12
23 33 13 23-0348	EA		50" x 40" Vertically Mounted Backdraft Damper	977.73	96.12
23 33 13 23-0349	EA		36" x 56" Vertically Mounted Backdraft Damper	790.70	32.04
23 33 13 23-0350	EA		32" x 64" Vertically Mounted Backdraft Damper	829.24	41.26
23 33 13 23-0351	EA		44" x 48" Vertically Mounted Backdraft Damper	865.04	45.80
23 33 13 23-0352	EA		48" x 44" Vertically Mounted Backdraft Damper	878.80	50.32
23 33 13 23-0353	EA		36" x 60" Vertically Mounted Backdraft Damper	909.08	55.01
23 33 13 23-0354	EA		32" x 68" Vertically Mounted Backdraft Damper	928.34	59.54
23 33 13 23-0355	EA		44" x 50" Vertically Mounted Backdraft Damper	855.62	64.08
23 33 13 23-0356	EA		50" x 44" Vertically Mounted Backdraft Damper	869.38	68.75
23 33 13 23-0357	EA		32" x 72" Vertically Mounted Backdraft Damper	914.46	73.29
23 33 13 23-0358	EA		36" x 64" Vertically Mounted Backdraft Damper	928.21	77.83
23 33 13 23-0359	EA		48" x 48" Vertically Mounted Backdraft Damper	941.96	82.37
23 33 13 23-0360	EA		48" x 50" Vertically Mounted Backdraft Damper	984.66	87.04
23 33 13 23-0361	EA		50" x 48" Vertically Mounted Backdraft Damper	998.41	91.58
23 33 13 23-0362	EA		36" x 68" Vertically Mounted Backdraft Damper	1,012.88	91.58
23 33 13 23-0363	EA		50" x 50" Vertically Mounted Backdraft Damper	1,042.31	96.12
23 33 13 23-0364	EA		36" x 72" Vertically Mounted Backdraft Damper	1,070.03	96.12
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)					
23 33 13 23-0366	EA		For Motor Pack For Horizontally Mounted Backdraft Damper	282.78	30.68
23 33 13 23-0367	EA		For Motor Pack For Vertically Mounted Backdraft Damper	485.99	30.68
23 33 13 33 Splitter Damper Hardware (23 33 13)					
23 33 13 33-0001	EA		Splitter Damper, Hardware	47.96	9.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 13 43 Blower Check Valve (23 33 13)

23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)

23 33 13 43-0002	EA	2-1/2"	Blower Check Valves, Silicone Seals	294.62	35.48
23 33 13 43-0003	EA	3"	Blower Check Valves, Silicone Seals	329.06	40.43
23 33 13 43-0004	EA	4"	Blower Check Valves, Silicone Seals	422.86	53.63
23 33 13 43-0005	EA	5"	Blower Check Valves, Silicone Seals	582.84	61.88
23 33 13 43-0006	EA	6"	Blower Check Valves, Silicone Seals	653.63	74.26
23 33 13 43-0007	EA	8"	Blower Check Valves, Silicone Seals	972.28	94.06

23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)

23 33 13 43-0009	EA	2-1/2"	Blower Check Valves, Viton Seats	405.82	35.48
23 33 13 43-0010	EA	3"	Blower Check Valves, Viton Seats	461.22	40.43
23 33 13 43-0011	EA	4"	Blower Check Valves, Viton Seats	514.88	53.63
23 33 13 43-0012	EA	5"	Blower Check Valves, Viton Seats	720.60	61.88
23 33 13 43-0013	EA	6"	Blower Check Valves, Viton Seats	805.70	74.26
23 33 13 43-0014	EA	8"	Blower Check Valves, Viton Seats	1,241.30	94.06

23 33 19 Duct Silencers (23 33)

23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0002	EA	12" x 12" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	408.23	56.29
23 33 19 00-0003	EA	12" x 18" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	490.41	64.53
23 33 19 00-0004	EA	12" x 24" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	634.85	74.14
23 33 19 00-0005	EA	12" x 36" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	771.17	83.76
23 33 19 00-0006	EA	24" x 18" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	714.46	83.76
23 33 19 00-0007	EA	24" x 24" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	910.41	87.88
23 33 19 00-0008	EA	24" x 30" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,005.24	93.36
23 33 19 00-0009	EA	24" x 36" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,102.82	98.85
23 33 19 00-0010	EA	24" x 48" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,443.91	112.59
23 33 19 00-0011	EA	36" x 18" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	905.11	93.36
23 33 19 00-0012	EA	36" x 36" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,220.30	112.59
23 33 19 00-0013	EA	36" x 48" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,154.70	151.03
23 33 19 00-0014	EA	36" x 60" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,382.52	159.27
23 33 19 00-0015	EA	48" x 48" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,658.93	171.62
23 33 19 00-0016	EA	48" x 60" x 36"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,984.99	186.73

23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0018	EA	12" x 12" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	455.73	123.57
23 33 19 00-0019	EA	12" x 18" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	549.06	142.79
23 33 19 00-0020	EA	12" x 24" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	712.57	164.76
23 33 19 00-0021	EA	12" x 36" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	865.69	185.36
23 33 19 00-0022	EA	24" x 18" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	801.22	185.36
23 33 19 00-0023	EA	24" x 24" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,025.65	196.34
23 33 19 00-0024	EA	24" x 30" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,128.69	205.95
23 33 19 00-0025	EA	24" x 36" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,233.81	216.93
23 33 19 00-0026	EA	24" x 48" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,624.46	247.14
23 33 19 00-0027	EA	36" x 18" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,014.91	205.95
23 33 19 00-0028	EA	36" x 36" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,370.36	247.14
23 33 19 00-0029	EA	36" x 48" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,413.90	325.40
23 33 19 00-0030	EA	36" x 60" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,693.40	352.86
23 33 19 00-0031	EA	48" x 48" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,990.30	374.83
23 33 19 00-0032	EA	48" x 60" x 60"	Long, Packaged Duct Sound Trap, Sound Attenuator	3,364.81	411.90

23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0034	EA	6" x 12" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	391.78	102.97
23 33 19 00-0035	EA	6" x 24" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	669.22	153.77
23 33 19 00-0036	EA	6" x 36" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	934.80	225.17
23 33 19 00-0037	EA	12" x 12" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	527.79	123.57
23 33 19 00-0038	EA	12" x 18" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	655.25	142.79
23 33 19 00-0039	EA	12" x 24" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	887.02	164.76
23 33 19 00-0040	EA	12" x 30" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,047.10	177.11
23 33 19 00-0041	EA	12" x 36" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,142.51	190.85
23 33 19 00-0042	EA	12" x 42" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,435.89	205.95
23 33 19 00-0043	EA	12" x 48" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,697.10	225.17
23 33 19 00-0044	EA	24" x 18" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	983.22	190.85
23 33 19 00-0045	EA	24" x 24" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,396.06	199.08
23 33 19 00-0046	EA	24" x 30" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,523.12	205.95
23 33 19 00-0047	EA	24" x 36" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	1,658.57	216.93
23 33 19 00-0048	EA	24" x 42" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,078.13	233.41
23 33 19 00-0049	EA	24" x 48" x 84"	Long, Packaged Duct Sound Trap, Sound Attenuator	2,254.02	247.14

23 33 23 Turning Vanes (23 33)

23 33 23 00-0001 Duct Turning Vane Components (23 33 23)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0002	LF		Duct Turning Vane Rail..... <i>For Stainless Steel, Add</i>	14.15 9.14	3.43
23 33 23 00-0003	LF		Double Thick Factory Fabricated, Duct Turning Vane <i>For Stainless Steel, Add</i>	13.44 13.77	1.37
23 33 23 00-0004 Duct Turning Vane Sets <small>(23 33 23)</small>					
Note: Measured from inside corner to outside corner of ductwork.					
23 33 23 00-0005	LF		12" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	55.09 63.25	5.15
23 33 23 00-0006	LF		14" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	68.39 79.99	5.49
23 33 23 00-0007	LF		16" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	93.42 112.00	5.76
23 33 23 00-0008	LF		18" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	118.49 144.00	6.18
23 33 23 00-0009	LF		20" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	131.30 159.99	6.59
23 33 23 00-0010	LF		22" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	167.72 208.01	6.18
23 33 23 00-0011	LF		24" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	206.09 256.02	7.28
23 33 23 00-0012	LF		26" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	221.27 275.29	7.61
23 33 23 00-0013	LF		30" High Duct Turning Vanes, Sets <i>For Stainless Steel, Add</i>	247.06 308.32	7.91
23 33 33 Duct-Mounting Access Doors <small>(23 33)</small>					
23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication <small>(23 33 33)</small>					
23 33 33 00-0002	EA		6" x 6" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	105.59 56.72	19.22
23 33 33 00-0003	EA		10" x 10" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	111.54 68.62	19.22
23 33 33 00-0004	EA		12" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	114.45 74.44	19.22
23 33 33 00-0005	EA		12" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	147.54 104.98	23.34
23 33 33 00-0006	EA		16" x 12" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	148.72 107.34	23.34
23 33 33 00-0007	EA		18" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	185.34 123.54	31.58
23 33 33 00-0008	EA		24" x 18" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	220.97 133.02	38.45
23 33 33 00-0009	EA		24" x 24" Duct Access Doors Insulated Factory Fabrication <i>For Stainless Steel, Add</i>	287.62 163.34	52.17
23 33 43 Flexible Connectors <small>(23 33)</small>					
23 33 43 00-0001	LF		6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	17.26	4.12
23 33 43 00-0002	LF		5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	17.69	3.70
23 33 46 Flexible Ducts <small>(23 33)</small>					
23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket <small>(23 33 46)</small>					
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.					
23 33 46 00-0002	LF		4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	10.00 -1.07 -1.24	1.37
23 33 46 00-0003	LF		5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	11.04 -1.13 -1.32	2.74
23 33 46 00-0004	LF		6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	12.36 -1.15 -1.34	2.74
23 33 46 00-0005	LF		7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	14.31 -1.29 -1.50	2.74
23 33 46 00-0006	LF		8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	16.69 -1.30 -1.52	4.12
23 33 46 00-0007	LF		10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	21.61 -1.75 -2.04	4.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	28.90	5.49
<i>For R6.0 Insulated Flexible Duct, Deduct</i>	-2.08	
<i>For R4.2 Insulated Flexible Duct, Deduct</i>	-2.43	
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	35.92	5.49
<i>For R6.0 Insulated Flexible Duct, Deduct</i>	-2.54	
<i>For R4.2 Insulated Flexible Duct, Deduct</i>	-2.96	
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	46.77	6.86
<i>For R6.0 Insulated Flexible Duct, Deduct</i>	-3.03	
<i>For R4.2 Insulated Flexible Duct, Deduct</i>	-3.54	
23 33 46 00-0011 LF 18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	57.11	8.92
<i>For R6.0 Insulated Flexible Duct, Deduct</i>	-3.95	
<i>For R4.2 Insulated Flexible Duct, Deduct</i>	-4.61	
23 33 46 00-0012 LF 20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	67.90	9.61
<i>For R6.0 Insulated Flexible Duct, Deduct</i>	-5.96	
<i>For R4.2 Insulated Flexible Duct, Deduct</i>	-6.95	
23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0014 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	55.19	8.23
<i>For Stainless Steel, Add</i>	31.59	
23 33 46 00-0015 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	59.93	9.61
<i>For Stainless Steel, Add</i>	32.01	
23 33 46 00-0016 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	68.34	9.61
<i>For Stainless Steel, Add</i>	35.30	
23 33 46 00-0017 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	77.45	12.36
<i>For Stainless Steel, Add</i>	36.43	
23 33 46 00-0018 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	93.44	15.11
<i>For Stainless Steel, Add</i>	41.15	
23 33 46 00-0019 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	109.63	17.85
<i>For Stainless Steel, Add</i>	50.73	
23 33 46 00-0020 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	124.42	20.60
<i>For Stainless Steel, Add</i>	54.65	
23 33 46 00-0021 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	147.38	23.34
<i>For Stainless Steel, Add</i>	68.43	
23 33 46 00-0022 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	160.56	26.09
<i>For Stainless Steel, Add</i>	74.87	
23 33 53 Duct Liners (23 33)		
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)		
23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	14.47	3.71
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	15.79	3.71
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	17.57	4.95
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	21.57	4.95
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	26.02	5.56
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	14.07	4.12
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	15.38	4.12
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	17.16	5.49
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	20.94	5.49
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	25.36	6.18
23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)		
23 33 53 00-0013 SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	3.31	3.30
23 33 53 00-0014 SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket.....	4.18	3.70
23 33 53 00-0015 SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	4.90	3.70
23 33 53 00-0016 SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket.....	6.42	3.70
23 33 53 00-0017 SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket.....	5.29	4.12
23 33 53 00-0018 SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket.....	5.61	4.53
23 33 53 00-0019 SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket.....	8.89	4.53
23 33 56 Duct Air Extractors (23 33)		
23 33 56 00-0001 EA 12" x 4" Duct Air Extractor.....	66.59	22.65
<i>For Stainless Steel, Add</i>	27.66	
23 33 56 00-0002 EA 8" x 6" Duct Air Extractor.....	70.71	24.71
<i>For Stainless Steel, Add</i>	27.66	
23 33 56 00-0003 EA 12" x 6" Duct Air Extractor.....	81.61	26.09
<i>For Stainless Steel, Add</i>	38.27	
23 33 56 00-0004 EA 16" x 6" Duct Air Extractor.....	92.26	27.46
<i>For Stainless Steel, Add</i>	48.54	
23 33 56 00-0005 EA 24" x 6" Duct Air Extractor.....	122.07	30.20
<i>For Stainless Steel, Add</i>	80.16	
23 33 56 00-0006 EA 12" x 8" Duct Air Extractor.....	87.92	27.46
<i>For Stainless Steel, Add</i>	42.90	
23 33 56 00-0007 EA 20" x 8" Duct Air Extractor.....	116.41	34.32
<i>For Stainless Steel, Add</i>	62.09	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 56 00-0008	EA		18" x 10" Duct Air Extractor	125.15	39.12
			<i>For Stainless Steel, Add</i>	60.96	
23 33 56 00-0009	EA		24" x 10" Duct Air Extractor	152.78	45.99
			<i>For Stainless Steel, Add</i>	79.03	
23 33 56 00-0010	EA		24" x 12" Duct Air Extractor	174.97	54.92
			<i>For Stainless Steel, Add</i>	84.67	
23 33 56 00-0011	EA		30" x 12" Duct Air Extractor	218.93	68.65
			<i>For Stainless Steel, Add</i>	106.12	
23 33 59 Duct Pressure Relief Doors (23 33)					
23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)					
23 33 59 00-0002	EA		18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,262.48	41.19
23 33 59 00-0003	EA		24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,037.43	34.32
23 33 59 00-0004	EA		24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,029.21	37.76
23 34 HVAC Fans (23 30)					
23 34 13 Axial HVAC Fans (23 34)					
23 34 13 00-0001 Tube-Axial Fans (23 34 13)					
23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)					
23 34 13 00-0003	EA		12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,004.30	421.81
			<i>For 1/4" Static Pressure, Add</i>	92.79	
			<i>For 3/8" Static Pressure, Add</i>	185.57	
			<i>For 1/2" Static Pressure, Add</i>	255.16	
23 34 13 00-0004	EA		12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,087.14	423.09
			<i>For 1/4" Static Pressure, Add</i>	99.41	
			<i>For 3/8" Static Pressure, Add</i>	198.83	
			<i>For 1/2" Static Pressure, Add</i>	273.39	
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,252.83	421.81
			<i>For 1/4" Static Pressure, Add</i>	112.67	
			<i>For 3/8" Static Pressure, Add</i>	225.34	
			<i>For 1/2" Static Pressure, Add</i>	309.84	
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,418.52	423.09
			<i>For 1/4" Static Pressure, Add</i>	125.92	
			<i>For 3/8" Static Pressure, Add</i>	251.85	
			<i>For 1/2" Static Pressure, Add</i>	346.29	
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,835.95	506.68
			<i>For 1/4" Static Pressure, Add</i>	145.81	
			<i>For 3/8" Static Pressure, Add</i>	291.61	
			<i>For 1/2" Static Pressure, Add</i>	400.97	
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,255.44	551.02
			<i>For 1/4" Static Pressure, Add</i>	172.32	
			<i>For 3/8" Static Pressure, Add</i>	344.63	
			<i>For 1/2" Static Pressure, Add</i>	473.87	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,443.19	602.96
			<i>For 1/4" Static Pressure, Add</i>	178.94	
			<i>For 3/8" Static Pressure, Add</i>	357.89	
			<i>For 1/2" Static Pressure, Add</i>	492.09	
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	3,917.74	633.36
			<i>For 1/4" Static Pressure, Add</i>	212.08	
			<i>For 3/8" Static Pressure, Add</i>	424.16	
			<i>For 1/2" Static Pressure, Add</i>	583.22	
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,731.48	791.70
			<i>For 1/4" Static Pressure, Add</i>	251.85	
			<i>For 3/8" Static Pressure, Add</i>	503.69	
			<i>For 1/2" Static Pressure, Add</i>	692.58	
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,334.11	844.90
			<i>For 1/4" Static Pressure, Add</i>	291.61	
			<i>For 3/8" Static Pressure, Add</i>	583.22	
			<i>For 1/2" Static Pressure, Add</i>	801.93	
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,256.70	974.11
			<i>For 1/4" Static Pressure, Add</i>	344.63	
			<i>For 3/8" Static Pressure, Add</i>	689.26	
			<i>For 1/2" Static Pressure, Add</i>	947.74	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)					
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,902.29	409.15
			<i>For 1/4" Static Pressure, Add</i>	86.80	
			<i>For 3/8" Static Pressure, Add</i>	173.61	
			<i>For 1/2" Static Pressure, Add</i>	238.71	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	2,015.20	423.09
			<i>For 1/4" Static Pressure, Add</i>	93.66	
			<i>For 3/8" Static Pressure, Add</i>	187.32	
			<i>For 1/2" Static Pressure, Add</i>	257.56	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,082.39	437.02
			<i>For 1/4" Static Pressure, Add</i>	96.70	
			<i>For 3/8" Static Pressure, Add</i>	193.41	
			<i>For 1/2" Static Pressure, Add</i>	265.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0018 EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,202.42 103.81 207.62 285.48	452.21
23 34 13 00-0019 EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,477.06 123.10 246.20 338.53	469.95
23 34 13 00-0020 EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,611.49 130.97 261.94 360.16	487.68
23 34 13 00-0021 EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,916.98 152.29 304.58 418.79	506.68
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,279.84 181.45 362.89 498.98	506.68
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,796.36 215.74 431.48 593.29	551.02
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,503.25 253.81 507.63 697.99	667.56
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,116.34 302.41 604.82 831.63	667.56
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,628.27 337.66 675.33 928.58	704.29
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	6,144.20 372.60 745.19 1,024.64	744.83
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	7,019.10 406.10 812.20 1,116.78	974.11
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	7,991.05 483.86 967.72 1,330.61	975.37
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	9,033.74 539.12 1,078.23 1,482.57	1,151.20

23 34 16 Centrifugal HVAC Fans (23 34)

23 34 16 00-0001 Centrifugal Fans (23 34 16)

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0005 EA 1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,286.30	278.30
23 34 16 00-0006 EA 1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,820.70	288.81
23 34 16 00-0007 EA 1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,875.02	230.16
23 34 16 00-0008 EA 1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,957.69	315.41
23 34 16 00-0009 EA 3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,008.17	334.41
23 34 16 00-0010 EA 1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,073.13	348.35
23 34 16 00-0011 EA 1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,140.44	371.15

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,093.01	304.01
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,132.17	315.41
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,204.36	334.41
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,247.25	348.35
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,325.98	371.15
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,402.94	388.88

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0020	EA		1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,110.40	315.41
23 34 16 00-0021	EA		1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,160.84	334.41
23 34 16 00-0022	EA		1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,225.48	348.35
23 34 16 00-0023	EA		3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,282.44	371.15
23 34 16 00-0024	EA		1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,352.16	388.88
23 34 16 00-0025	EA		1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,450.75	418.02
23 34 16 00-0026	EA		2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,527.61	439.55
23 34 16 00-0027			16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028	EA		1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,411.13	334.41
23 34 16 00-0029	EA		1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,498.39	348.35
23 34 16 00-0030	EA		1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,596.71	371.15
23 34 16 00-0031	EA		3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,649.52	388.88
23 34 16 00-0032	EA		1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,720.35	418.02
23 34 16 00-0033	EA		1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,780.32	439.55
23 34 16 00-0034	EA		2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,085.36	477.56
23 34 16 00-0035			18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036	EA		1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,492.11	348.35
23 34 16 00-0037	EA		1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,554.50	371.15
23 34 16 00-0038	EA		1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,635.11	388.88
23 34 16 00-0039	EA		3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,701.06	418.02
23 34 16 00-0040	EA		1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,788.80	439.55
23 34 16 00-0041	EA		1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,922.13	477.56
23 34 16 00-0042	EA		2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,009.53	506.68
23 34 16 00-0043	EA		3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,141.33	557.35
23 34 16 00-0044			20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,521.86	371.15
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,602.44	388.88
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,701.06	418.02
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,788.80	439.55
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,954.77	477.56
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,182.08	506.68
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,347.49	557.35
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,516.64	596.63
23 34 16 00-0053			22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,019.62	388.88
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,080.46	418.02
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,160.62	439.55
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,263.12	477.56
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,394.93	506.68
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,447.23	557.35
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,538.40	596.63
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,701.38	668.83
23 34 16 00-0062			24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,622.45	418.02
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,749.20	477.56
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,869.25	506.68
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,000.44	557.35
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,115.17	596.63
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,223.75	668.83
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,366.28	727.10
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,694.74	836.04
23 34 16 00-0071			27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,009.47	439.55
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,141.33	506.68
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,272.50	557.35
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,387.25	596.63
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,550.23	668.83
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,692.43	727.10
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,044.01	836.04
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,107.56	928.51
23 34 16 00-0080			Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
			Note: Over 30" diameter wheel.		
23 34 16 00-0081			30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,605.63	557.35
23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,716.09	596.63
23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,888.80	668.83
23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,041.87	727.10
23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,272.73	836.04
23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,478.77	928.51
23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,825.57	1,114.71
23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,144.72	1,285.72
23 34 16 00-0090 33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0089)		
23 34 16 00-0091 EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,563.78	596.63
23 34 16 00-0092 EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,781.17	668.83
23 34 16 00-0093 EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,978.12	727.10
23 34 16 00-0094 EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,252.18	836.04
23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,501.76	928.51
23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,892.06	1,114.71
23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,320.85	1,285.72
23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,954.19	1,672.07
23 34 16 00-0099 36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0089)		
23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,011.91	668.83
23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,215.36	727.10
23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,848.53	836.04
23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,278.78	928.51
23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,821.70	1,114.71
23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,243.64	1,285.72
23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,134.01	1,672.07
23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,897.39	2,090.08
23 34 16 00-0108 Kitchen System Fans (23 34 16 00-0001)		
23 34 16 00-0109 Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
Note: Greenheck CUE.		
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,410.16	164.68
Note: 115V. For roof or wall installations. Includes disconnect switch.		
<i>For Bird Screen, Add</i>		61.24
<i>For Backdraft Damper, Add</i>		174.88
<i>For Damper Motor, Add</i>		284.74
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,653.44	164.68
Note: 115V. For roof or wall installations. Includes disconnect switch.		
<i>For Bird Screen, Add</i>		61.24
<i>For Backdraft Damper, Add</i>		174.88
<i>For Damper Motor, Add</i>		284.74
23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,421.94	164.68
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>		61.24
<i>For Wall Mounted Fan, Add</i>		96.88
<i>For 3 Phase Motor, Deduct</i>		-50.00
<i>For Totally Enclosed Motor, Add</i>		85.00
<i>For Grease Trap Kit, Add</i>		76.41
<i>For Hinged Curb Kit, Add</i>		177.87
<i>For Backdraft Damper, Add</i>		174.88
<i>For Damper Motor, Add</i>		284.74
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,527.52	164.68
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>		61.24
<i>For Wall Mounted Fan, Add</i>		101.10
<i>For 3 Phase Motor, Deduct</i>		-50.00
<i>For Totally Enclosed Motor, Add</i>		85.00
<i>For Grease Trap Kit, Add</i>		76.41
<i>For Hinged Curb Kit, Add</i>		186.85
<i>For Backdraft Damper, Add</i>		174.88
<i>For Damper Motor, Add</i>		284.74
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,170.66	190.01
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>		69.68
<i>For Wall Mounted Fan, Add</i>		86.83
<i>For 3 Phase Motor, Deduct</i>		-50.00
<i>For Totally Enclosed Motor, Add</i>		85.00
<i>For Grease Trap Kit, Add</i>		76.41
<i>For Hinged Curb Kit, Add</i>		152.20
<i>For Backdraft Damper, Add</i>		198.54
<i>For Damper Motor, Add</i>		284.74

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		2,322.69	190.01
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		69.68	
		For Wall Mounted Fan, Add		92.91	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		165.13	
		For Backdraft Damper, Add		198.54	
		For Damper Motor, Add		284.74	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		2,951.93	221.68
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		69.68	
		For Wall Mounted Fan, Add		118.08	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		213.23	
		For Backdraft Damper, Add		198.54	
		For Damper Motor, Add		284.74	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		3,114.52	221.68
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		69.68	
		For Wall Mounted Fan, Add		124.58	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		227.05	
		For Backdraft Damper, Add		198.54	
		For Damper Motor, Add		284.74	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		3,393.25	237.51
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		116.14	
		For Wall Mounted Fan, Add		135.73	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		248.05	
		For Backdraft Damper, Add		248.20	
		For Damper Motor, Add		284.74	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		3,646.64	237.51
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		116.14	
		For Wall Mounted Fan, Add		145.87	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		269.59	
		For Backdraft Damper, Add		248.20	
		For Damper Motor, Add		284.74	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		3,707.87	253.34
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		116.14	
		For Wall Mounted Fan, Add		148.31	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		272.10	
		For Backdraft Damper, Add		248.20	
		For Damper Motor, Add		284.74	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		4,064.73	253.34
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		116.14	
		For Wall Mounted Fan, Add		162.59	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		302.43	
		For Backdraft Damper, Add		248.20	
		For Damper Motor, Add		284.74	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....		4,681.32	285.01
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.			
		For Bird Screen, Add		137.25	
		For Wall Mounted Fan, Add		187.25	
		For 3 Phase Motor, Deduct		-50.00	
		For Totally Enclosed Motor, Add		85.00	
		For Grease Trap Kit, Add		76.41	
		For Hinged Curb Kit, Add		349.46	
		For Backdraft Damper, Add		268.98	
		For Damper Motor, Add		284.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0125 EA 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	5,008.61	285.01
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	137.25	
<i>For Wall Mounted Fan, Add</i>	200.34	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	377.28	
<i>For Backdraft Damper, Add</i>	268.98	
<i>For Damper Motor, Add</i>	284.74	
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	5,935.59	316.68
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	147.81	
<i>For Wall Mounted Fan, Add</i>	237.42	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	450.69	
<i>For Backdraft Damper, Add</i>	298.42	
<i>For Damper Motor, Add</i>	284.74	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,043.28	316.68
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	147.81	
<i>For Wall Mounted Fan, Add</i>	241.73	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	459.84	
<i>For Backdraft Damper, Add</i>	298.42	
<i>For Damper Motor, Add</i>	284.74	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,590.18	316.68
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	147.81	
<i>For Wall Mounted Fan, Add</i>	263.61	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	506.33	
<i>For Backdraft Damper, Add</i>	298.42	
<i>For Damper Motor, Add</i>	284.74	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,854.13	316.68
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	147.81	
<i>For Wall Mounted Fan, Add</i>	274.17	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	528.77	
<i>For Backdraft Damper, Add</i>	298.42	
<i>For Damper Motor, Add</i>	284.74	
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	7,547.04	348.35
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Wall Mounted Fan, Add</i>	301.88	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	582.28	
<i>For Damper Motor, Add</i>	284.74	
<i>For Backdraft Damper, Add</i>	351.36	
23 34 16 00-0131 EA 42" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	7,850.58	348.35
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Wall Mounted Fan, Add</i>	314.02	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	608.08	
<i>For Damper Motor, Add</i>	284.74	
<i>For Backdraft Damper, Add</i>	351.36	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	7,922.43	380.02
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	608.81	
<i>For Damper Motor, Add</i>	284.74	
<i>For Backdraft Damper, Add</i>	408.35	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	8,588.85	380.02
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	168.93	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	665.45	
<i>For Damper Motor, Add</i>	284.74	
<i>For Backdraft Damper, Add</i>	408.35	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans <small>(23 34 16 00-0108)</small>		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans <small>(23 34 16 00-0134)</small>		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0136	EA		7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,634.73 278.11	164.68
23 34 16 00-0137	EA		8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,717.38 290.51	164.68
23 34 16 00-0138	EA		9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,818.80 305.72	164.68
23 34 16 00-0139			Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140	EA		9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,858.14 311.62	164.68
23 34 16 00-0141	EA		10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,084.86 357.06	221.68
23 34 16 00-0142	EA		12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,512.70 427.57	253.34
23 34 16 00-0143	EA		15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,913.89 500.42	316.68
23 34 16 00-0144	EA		18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	3,526.17 604.92	380.02
23 34 16 00-0145			Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146			Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147	EA		Fan Shaft Bearing, Replacement.....	909.72	406.69
23 34 16 00-0148	EA		Fan Belt, Replacement.....	148.88	55.15
23 34 16 00-0149			Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150			Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		
23 34 16 00-0151	EA		250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,360.44 885.49	228.61
23 34 16 00-0152	EA		895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,912.45 954.49	274.60
23 34 16 00-0153	EA		1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	8,199.73 1,126.98	343.25
23 34 16 00-0154	EA		2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	8,812.44 1,184.48	457.89
23 34 16 00-0155	EA		3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,112.88 1,310.98	686.50
23 34 16 00-0156	EA		11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	17,465.80 2,207.97	1,373.00
23 34 16 00-0157	EA		18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	25,468.38 3,231.46	1,962.70
23 34 16 00-0158			Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159	EA		1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,360.44 885.49	228.61
23 34 16 00-0160	EA		1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,529.12 896.99	274.60
23 34 16 00-0161	EA		1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,666.42 896.99	343.25
23 34 16 00-0162	EA		2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,895.80 896.99	457.89
23 34 16 00-0163	EA		3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	9,499.56 1,218.98	686.50
23 34 16 00-0164	EA		4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	9,842.81 1,218.98	858.13
23 34 16 00-0165	EA		4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,090.48 1,218.98	981.97
23 34 16 00-0166	EA		6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,339.39 1,241.98	1,029.75
23 34 16 00-0167	EA		7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	10,644.88 1,253.48	1,144.12
23 34 16 00-0168			In-Line Duct Fans (23 34 16 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0169 Direct Drive In-Line Duct Fans <small>(23 34 16 00-0168)</small>		
<i>Note: Greenheck SQ.</i>		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,686.50	164.68
<i>Note: 115V. Includes disconnect switch.</i>		
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	2,153.94	177.34
<i>Note: 115V. Includes disconnect switch.</i>		
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	2,361.74	190.01
<i>Note: 115V. Includes disconnect switch.</i>		
 23 34 16 00-0173 Belt Drive In-Line Duct Fans <small>(23 34 16 00-0168)</small>		
<i>Note: Greenheck BSQ.</i>		
23 34 16 00-0174 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,467.29	190.01
<i>Note: 115/208-230/60/1. Includes disconnect switch.</i>		
<i>For 3 Phase Motor, Deduct</i>		
	-50.00	
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0175 EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,835.87	221.68
<i>Note: 115/208-230/60/1. Includes disconnect switch.</i>		
<i>For 3 Phase Motor, Deduct</i>		
	-50.00	
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0176 EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	3,188.14	221.68
<i>Note: 115/208-230/60/1. Includes disconnect switch.</i>		
<i>For 3 Phase Motor, Deduct</i>		
	-50.00	
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0177 EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,487.63	221.68
<i>Note: 115/208-230/60/1. Includes disconnect switch.</i>		
<i>For 3 Phase Motor, Deduct</i>		
	-50.00	
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0178 EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	3,398.35	253.34
<i>Note: 115/208-230/60/1. Includes disconnect switch.</i>		
<i>For 3 Phase Motor, Deduct</i>		
	-50.00	
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0179 EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,905.54	253.34
<i>Note: 115/208-230/60/1. Includes disconnect switch.</i>		
<i>For 3 Phase Motor, Deduct</i>		
	-50.00	
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0180 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	4,969.70	316.68
<i>Note: 115/208-230/60/1. Includes disconnect switch.</i>		
<i>For 3 Phase Motor, Deduct</i>		
	-50.00	
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0181 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	5,249.69	316.68
<i>Note: 230/460/60/3. Includes disconnect switch.</i>		
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0182 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	5,447.06	316.68
<i>Note: Belt drive. 230/460/60/3. Includes disconnect switch.</i>		
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0183 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	6,300.20	380.02
<i>Note: 230/460/60/3. Includes disconnect switch.</i>		
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0184 EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	6,535.77	380.02
<i>Note: 230/460/60/3. Includes disconnect switch.</i>		
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
23 34 16 00-0185 EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan	6,825.26	380.02
<i>Note: 230/460/60/3. Includes disconnect switch.</i>		
<i>For Totally Enclosed Motor, Add</i>		
	85.00	
 23 34 16 00-0186 In-Line Cabinet Fans <small>(23 34 16 00-0001)</small>		
23 34 16 00-0187 EA 77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	539.94	110.84
23 34 16 00-0188 EA 91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	539.94	110.84
23 34 16 00-0189 EA 82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	612.70	117.18
23 34 16 00-0190 EA 281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	676.73	117.18
23 34 16 00-0191 EA 190 CFM, 115 Volt, Direct Drive Cabinet Fan	851.62	117.18
23 34 16 00-0192 EA 217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	705.31	117.18
23 34 16 00-0193 EA 325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	805.81	117.18
23 34 16 00-0194 EA 250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,515.20	117.18
23 34 16 00-0195 EA 419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	946.56	123.51
23 34 16 00-0196 EA 334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	962.33	123.51
23 34 16 00-0197 EA 350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,577.15	123.51
23 34 16 00-0198 EA 527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	962.33	123.51
23 34 16 00-0199 EA 631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,292.39	123.51
23 34 16 00-0200 EA 752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,292.39	123.51
23 34 16 00-0201 EA 1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,292.39	123.51
23 34 16 00-0202 EA 999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,402.75	123.51
 23 34 16 00-0203 Propeller And Ceiling Fans <small>(23 34 16)</small>		
23 34 16 00-0204 Direct Drive, Sidewall Propeller Exhaust Fan <small>(23 34 16 00-0203)</small>		
<i>Note: Greenheck SE1.</i>		
23 34 16 00-0205 EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	753.37	135.54
<i>Note: Includes motor side guard.</i>		
<i>For Backdraft Damper, Add</i>		
	202.65	
<i>For Wall Mount Collar, Add</i>		
	289.29	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0206	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	798.55 217.65 289.29	150.73
23 34 16 00-0207	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	884.28 238.43 296.88	167.21
23 34 16 00-0208	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,288.43 285.20 302.38 249.17	184.94
23 34 16 00-0209	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,087.04 285.20 309.98 265.21	205.21
23 34 16 00-0210	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,220.44 346.41 317.58 281.26	228.01
23 34 16 00-0211	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,389.17 346.41 323.07 303.65	253.34
23 34 16 00-0212			Belt Drive Propeller Exhaust Fans (23 34 16 00-0203) Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0213	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,567.58	362.28
23 34 16 00-0214	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	2,941.63	421.81
23 34 16 00-0215	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,340.46	506.68
23 34 16 00-0216	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,642.00	633.36
23 34 16 00-0217	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,549.07	844.90
23 34 16 00-0218	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,719.46	1,266.72
23 34 16 00-0219	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,278.76	1,623.94
23 34 16 00-0220			Propeller Exhaust Fan Accessories (23 34 16 00-0203)		
23 34 16 00-0221	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	132.40	
23 34 16 00-0222	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	304.08	
23 34 16 00-0223			Reversible Ceiling Fans (23 34 16 00-0203)		
23 34 16 00-0224			4 Blade Ceiling Fans (23 34 16 00-0223)		
23 34 16 00-0225	EA		42" 4-Blade Ceiling Fan, Three Speed	583.59	60.76
			<i>For Brass Plated Motor, Add</i>	20.25	
			<i>For Light Kit, Add</i>	26.01	
23 34 16 00-0226			5 Blade Ceiling Fans (23 34 16 00-0223)		
23 34 16 00-0227	EA		42" 5-Blade Ceiling Fan, Three Speed	638.95	150.36
			<i>For Brass Plated Motor, Add</i>	20.25	
			<i>For Light Kit, Add</i>	26.07	
23 34 16 00-0228	EA		52" 5-Blade Ceiling Fan, Three Speed	729.79	150.36
			<i>For Brass Plated Motor, Add</i>	20.25	
			<i>For Light Kit, Add</i>	26.20	
23 34 16 00-0229			3 Blade Weatherproof Ceiling Fans (23 34 16 00-0223)		
23 34 16 00-0230	EA		3-Blade Ceiling Fan, Weatherproof, Three Speed	621.01	62.71
23 34 16 00-0231			Ceiling Fan Down Rod (23 34 16 00-0223)		
23 34 16 00-0232	EA		1' Ceiling Fan Down Rod	23.27	
23 34 16 00-0233	EA		1-1/2' Ceiling Fan Down Rod	30.73	
23 34 16 00-0234	EA		2' Ceiling Fan Down Rod	34.46	
23 34 16 00-0235	EA		3' Ceiling Fan Down Rod	46.45	
23 34 16 00-0236	EA		4' Ceiling Fan Down Rod	54.34	
23 34 16 00-0237	EA		5' Ceiling Fan Down Rod	66.88	
23 34 16 00-0238	EA		6' Ceiling Fan Down Rod	83.78	
23 34 16 00-0239			Explosion Proof Industrial Blowers (23 34 16 00-0203)		
23 34 16 00-0240	EA		355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,478.44	
23 34 16 00-0241	EA		355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	6,028.74	
23 34 16 00-0242	EA		355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,062.58	
23 34 16 00-0243	EA		355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,441.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0244 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	4,983.97	
23 34 16 00-0245 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,314.22	
23 34 16 00-0246 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,334.40	
23 34 16 00-0247 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	7,957.53	
23 34 16 00-0248 Exhaust Fans (23 34 16)		
23 34 16 00-0249 Exhaust Fans (23 34 16 00-0248) Note: Excludes ducting.		
23 34 16 00-0250 Light Duty Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0251 Light Duty Exhaust Fans (23 34 16 00-0250)		
23 34 16 00-0252 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	151.68	49.10
23 34 16 00-0253 EA 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	160.61	49.10
23 34 16 00-0254 EA 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	267.86	49.10
23 34 16 00-0255 EA 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	339.57	49.10
23 34 16 00-0256 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	303.16	49.10
23 34 16 00-0257 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	405.00	49.10
23 34 16 00-0258 Light Duty Exhaust Fans With Lights (23 34 16 00-0250)		
23 34 16 00-0259 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	199.46	49.10
23 34 16 00-0260 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	221.84	49.10
23 34 16 00-0261 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	418.67	49.10
23 34 16 00-0262 Light Duty Exhaust Fans With Heaters (23 34 16 00-0250)		
23 34 16 00-0263 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	204.31	49.10
23 34 16 00-0264 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	327.03	49.10
23 34 16 00-0265 Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0250)		
23 34 16 00-0266 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	348.30	49.10
23 34 16 00-0267 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	530.97	49.10
23 34 16 00-0268 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0269 Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0268) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0270 EA 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	238.10	49.10
23 34 16 00-0271 EA 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	263.75	49.10
23 34 16 00-0272 EA 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	485.76	49.10
23 34 16 00-0273 EA 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	497.65	49.10
23 34 16 00-0274 EA 210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	534.64	49.10
23 34 16 00-0275 EA 259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	558.29	49.10
23 34 16 00-0276 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	567.45	49.10
23 34 16 00-0277 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	650.03	49.10
23 34 16 00-0278 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	741.13	49.10
23 34 16 00-0279 EA 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	793.01	49.10
23 34 16 00-0280 EA 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	944.59	49.10
23 34 16 00-0281 EA 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,214.60	49.10
23 34 16 00-0282 Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0268) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0283 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	504.57	49.10
23 34 16 00-0284 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	734.32	49.10

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0285	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	776.86	49.10
23 34 16 00-0286			Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0268)		
23 34 16 00-0287	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	259.11	49.10
23 34 16 00-0288	EA		80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	283.20	49.10
23 34 16 00-0289			Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0268)		
23 34 16 00-0290	EA		50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	269.69	49.10
23 34 16 00-0291	EA		80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	285.63	49.10
23 34 16 00-0292	EA		110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	293.33	49.10
23 34 16 00-0293			Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0294	EA		900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,304.23	49.10
23 34 16 00-0295	EA		1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,304.23	49.10
23 34 16 00-0296	EA		1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,304.23	49.10
23 34 16 00-0297	EA		1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,431.63	49.10
23 34 16 00-0298			Room-To-Room Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0299	EA		90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	193.44	49.10
23 34 16 00-0300	EA		180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	323.69	49.10
23 34 16 00-0301	EA		380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	371.16	49.10
23 34 16 00-0302			Through-Wall Exhaust Fans (23 34 16 00-0249)		
23 34 16 00-0303	EA		250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	346.34	49.10
23 34 16 00-0304	EA		470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	411.76	49.10
23 34 16 00-0305	EA		180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	301.36	49.10
23 34 16 00-0306	EA		270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	405.00	49.10
23 34 16 00-0307	EA		360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	711.80	49.10
23 34 16 00-0308			Exhaust Fan Accessories (23 34 16 00-0249)		
23 34 16 00-0309			Exhaust Fan Controls (23 34 16 00-0308)		
23 34 16 00-0310	EA		Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	189.96	30.68
23 34 16 00-0311	EA		60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	132.09	30.68
23 34 16 00-0312	EA		60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	133.47	30.68
23 34 16 00-0313			Roof And Wall Caps For Exhaust Fans (23 34 16 00-0308)		
23 34 16 00-0314			Wall Caps For Exhaust Fans (23 34 16 00-0313)		
23 34 16 00-0315	EA		Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	316.25	68.75
23 34 16 00-0316	EA		Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	320.80	68.75
23 34 16 00-0317			Roof Caps For Exhaust Fans (23 34 16 00-0313)		
			Note: Includes flashing and built in bird screen.		
23 34 16 00-0318	EA		Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	269.23	68.75
23 34 16 00-0319	EA		Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	387.53	68.75
23 34 16 00-0320	EA		CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	178.30	68.75
23 34 16 00-0321	EA		CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	213.78	68.75
23 34 16 00-0322			Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0249)		
			Note: Includes storage and cleaning.		
23 34 16 00-0323	EA		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	95.00	
23 34 23			HVAC Power Ventilators (23 34)		
23 34 23 00-0001			Power Roof Ventilators (23 34 23)		
23 34 23 00-0002			Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
			Note: Greenheck G.		
23 34 23 00-0003	EA		1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	659.01	181.14
			Note: Three speed motor.		
			For 12" Roof Curb, Add	232.26	
			For Backdraft Damper, Add	162.76	
			For Solid State Speed Control, Add	120.35	
			For Damper Motor, Add	284.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor. For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	720.26 232.26 162.76 120.35 284.74	205.21
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	1,019.43 238.59 174.88 120.35 284.74	239.41
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	1,052.34 238.59 174.88 120.35 284.74	269.81
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For Solid State Speed Control, Add For Damper Motor, Add	1,346.44 120.35 284.74	297.68
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Solid State Speed Control, Add For Damper Motor, Add	1,527.29 249.15 198.54 185.81 284.74	316.68
23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001) Note: Greenheck GB.		
23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	1,527.46 238.59 174.88 284.74	322.49
23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	1,664.08 249.15 198.54 284.74	342.36
23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	2,243.15 249.15 198.54 284.74	409.15
23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	2,858.58 299.83 248.20 284.74	506.68
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	3,764.32 323.06 268.98 284.74	633.36
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	6,062.10 358.96 298.42 284.74	791.70
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	6,112.78 358.96 298.42 284.74	791.70
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	6,659.69 358.96 298.42 284.74	791.70
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster For 12" Roof Curb, Add For Backdraft Damper, Add For Damper Motor, Add	5,411.55 358.96 298.42 284.74	791.70
23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001) Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,691.19	974.11
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,229.53	1,266.34
23 34 23 00-0022 Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,438.95	505.80
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,645.78	633.24
23 34 23 00-0025 Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat	146.67	
23 34 23 00-0027 Power Wall Ventilators (23 34 23)		
23 34 23 00-0028 Centrifugal Sidewall Exhausters (23 34 23 00-0027)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 34 23 00-0029			Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0029) Note: Greenheck CW.		
23 34 23 00-0030	EA		1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	873.33	203.94
			<i>For Solid State Speed Control, Add</i>	185.81	
			<i>For Backdraft Damper, Add</i>	225.21	
			<i>For Damper Motor, Add</i>	487.95	
			<i>For Interior Wall Grill, Add</i>	139.37	
23 34 23 00-0031	EA		1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,003.26	239.41
			<i>For Solid State Speed Control, Add</i>	185.81	
			<i>For Backdraft Damper, Add</i>	248.87	
			<i>For Damper Motor, Add</i>	487.95	
			<i>For Interior Wall Grill, Add</i>	165.97	
23 34 23 00-0032	EA		1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,479.04	269.81
			<i>For Solid State Speed Control, Add</i>	185.81	
			<i>For Backdraft Damper, Add</i>	281.20	
			<i>For Damper Motor, Add</i>	487.95	
			<i>For Interior Wall Grill, Add</i>	192.57	

23 34 23 00-0033			Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028) Note: Greenheck CWB.		
23 34 23 00-0034	EA		1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,617.01	152.40
			<i>For Solid State Speed Control, Add</i>	185.81	
			<i>For Backdraft Damper, Add</i>	260.34	
			<i>For Damper Motor, Add</i>	487.95	
			<i>For Interior Wall Grill, Add</i>	293.09	
23 34 23 00-0035	EA		1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,765.26	171.62
			<i>For Solid State Speed Control, Add</i>	185.81	
			<i>For Backdraft Damper, Add</i>	260.34	
			<i>For Damper Motor, Add</i>	487.95	
			<i>For Interior Wall Grill, Add</i>	293.09	
23 34 23 00-0036	EA		3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,395.38	196.34
			<i>For Solid State Speed Control, Add</i>	185.81	
			<i>For Backdraft Damper, Add</i>	326.58	
			<i>For Damper Motor, Add</i>	487.95	
			<i>For Interior Wall Grill, Add</i>	340.81	

23 34 33 Air Curtains (23 34)

23 34 33 00-0001			Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002			Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		
23 34 33 00-0003	EA		Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	2,542.69	928.51
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
			<i>For Flat Side Extension Plates, Add</i>	162.14	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0004	EA		Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	2,576.08	928.51
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
			<i>For Flat Side Extension Plates, Add</i>	162.14	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0005	EA		Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	2,612.25	928.51
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
			<i>For Flat Side Extension Plates, Add</i>	162.14	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0006	EA		Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls.	3,210.47	928.51
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
			<i>For Flat Side Extension Plates, Add</i>	162.14	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,653.33	1,114.71
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,862.01	1,114.71
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	4,288.80	1,285.72
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	5,122.13	1,285.72
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	5,227.86	1,285.72
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	5,508.88	1,285.72
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	549.94	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	408.52	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	628.50	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	3,096.39	928.51
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	324.29	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	3,139.51	928.51
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	324.29	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	3,157.60	928.51
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	202.02	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	324.29	
<i>For Flat Side Extension Plates, Add</i>	162.14	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	324.29	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	389.15	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	410.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0017	EA		High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	3,192.38 202.02 324.29 162.14 324.29 389.15 410.77	928.51
23 34 33 00-0018	EA		High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	4,922.11 202.02 324.29 162.14 324.29 389.15 410.77	1,114.71
23 34 33 00-0019	EA		High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,136.35 202.02 324.29 162.14 324.29 389.15 410.77	1,114.71
23 34 33 00-0020	EA		High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,483.84 202.02 324.29 162.14 324.29 389.15 410.77	1,285.72
23 34 33 00-0021	EA		High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,225.35 202.02 324.29 162.14 324.29 389.15 410.77	1,285.72
23 34 33 00-0022	EA		High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,303.26 202.02 324.29 162.14 324.29 389.15 410.77	1,285.72
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,606.54 202.02 324.29 162.14 324.29 389.15 410.77	1,285.72
23 34 33 00-0024			Service Window Unheated Air Curtains (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls. <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	2,300.31 202.02 162.14 324.29 389.15 410.77	732.16
23 34 33 00-0026			Heated Air Curtains For Entrances (23 34 33) Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	4,320.21 202.02 162.14 324.29 389.15 410.77	817.66
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	4,678.14 202.02 162.14 324.29 389.15 410.77	817.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,183.44 202.02 162.14 324.29 389.15 410.77	981.08
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,612.96 202.02 162.14 324.29 389.15 410.77	981.08
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,910.18 202.02 162.14 324.29 389.15 410.77	1,307.89
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	7,482.87 202.02 162.14 324.29 389.15 410.77	1,307.89
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	8,420.62 202.02 162.14 324.29 389.15 410.77	1,593.53
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	9,118.59 202.02 162.14 324.29 389.15 410.77	1,593.53
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,580.49 202.02 162.14 324.29 389.15 410.77	2,002.05
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	12,316.45 202.02 162.14 324.29 389.15 410.77	2,002.05
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	12,092.81 202.02 162.14 324.29 389.15 410.77	2,288.33
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	14,076.34 202.02 162.14 324.29 389.15 410.77	2,288.33
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	13,816.04 202.02 162.14 324.29 389.15 410.77	2,615.14
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	16,082.93 202.02 162.14 324.29 389.15 410.77	2,615.14

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)

23 35 13 13 Sawdust Collection Systems (23 35 13)

23 35 13 13-0001 Dust Collector System (23 35 13 13)

23 35 13 13-0002 EA 1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,755.84	1,098.40
23 35 13 13-0003 EA 2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,344.53	1,304.35

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0004	EA		2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,411.34	1,510.30
23 35 13 13-0005	EA		3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	7,323.65	1,784.90
23 35 13 13-0006	EA		5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	15,052.67	1,994.50
23 35 13 13-0007	EA		7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	18,248.74	2,326.91
23 35 13 13-0008	EA		10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	20,902.37	2,659.33
23 35 13 13-0009	EA		15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	23,513.67	3,058.23
23 35 13 13-0010	EA		20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	26,244.49	3,457.12
23 35 13 13-0011			Vacuum Tubing And Accessories (23 35 13 13)		
23 35 13 13-0012			Galvanized Vacuum Tubing (23 35 13 13-0011)		
23 35 13 13-0013	LF		2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.07	2.28
23 35 13 13-0014	LF		2-1/2" Outside Diameter Vacuum Tubing, Galvanized	12.37	2.40
23 35 13 13-0015	LF		3" Outside Diameter Vacuum Tubing, Galvanized	14.63	2.53
23 35 13 13-0016	LF		3-1/2" Outside Diameter Vacuum Tubing, Galvanized	18.88	2.66
23 35 13 13-0017	LF		4" Outside Diameter Vacuum Tubing, Galvanized	19.42	2.79
23 35 13 13-0018	LF		5" Outside Diameter Vacuum Tubing, Galvanized	31.76	3.17
23 35 13 13-0019	LF		6" Outside Diameter Vacuum Tubing, Galvanized	35.81	3.68
23 35 13 13-0020	LF		8" Outside Diameter Vacuum Tubing, Galvanized	48.48	5.07
23 35 13 13-0021	LF		10" Outside Diameter Vacuum Tubing, Galvanized	56.90	6.33
23 35 13 13-0022	LF		12" Outside Diameter Vacuum Tubing, Galvanized	139.85	8.36
23 35 13 13-0023			Vacuum Fittings, Galvanized (23 35 13 13-0011)		
23 35 13 13-0024			90 Degree Elbow (23 35 13 13-0023)		
23 35 13 13-0025	EA		2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	56.43	14.57
23 35 13 13-0026	EA		2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	69.16	15.58
23 35 13 13-0027	EA		3" 90 Degree Elbow, Vacuum Tubing, Galvanized	85.52	16.97
23 35 13 13-0028	EA		3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	100.47	18.36
23 35 13 13-0029	EA		4" 90 Degree Elbow, Vacuum Tubing, Galvanized	119.22	20.26
23 35 13 13-0030	EA		5" 90 Degree Elbow, Vacuum Tubing, Galvanized	194.00	22.54
23 35 13 13-0031	EA		6" 90 Degree Elbow, Vacuum Tubing, Galvanized	256.21	25.33
23 35 13 13-0032	EA		8" 90 Degree Elbow, Vacuum Tubing, Galvanized	456.54	33.82
23 35 13 13-0033			45 Degree Elbow (23 35 13 13-0023)		
23 35 13 13-0034	EA		2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	53.12	14.57
23 35 13 13-0035	EA		2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	66.44	15.58
23 35 13 13-0036	EA		3" 45 Degree Elbow, Vacuum Tubing, Galvanized	76.37	16.97
23 35 13 13-0037	EA		3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	90.14	18.36
23 35 13 13-0038	EA		4" 45 Degree Elbow, Vacuum Tubing, Galvanized	109.67	20.26
23 35 13 13-0039	EA		5" 45 Degree Elbow, Vacuum Tubing, Galvanized	160.87	22.54
23 35 13 13-0040	EA		6" 45 Degree Elbow, Vacuum Tubing, Galvanized	207.49	25.33
23 35 13 13-0041	EA		8" 45 Degree Elbow, Vacuum Tubing, Galvanized	374.70	33.82
23 35 13 13-0042			Wye (23 35 13 13-0023)		
23 35 13 13-0043	EA		2-1/8" Wye, Vacuum Tubing, Galvanized	101.76	24.07
23 35 13 13-0044	EA		2-1/2" Wye, Vacuum Tubing, Galvanized	121.31	25.97
23 35 13 13-0045	EA		3" Wye, Vacuum Tubing, Galvanized	146.96	27.87
23 35 13 13-0046	EA		3-1/2" Wye, Vacuum Tubing, Galvanized	177.51	31.04
23 35 13 13-0047	EA		4" Wye, Vacuum Tubing, Galvanized	234.37	33.57
23 35 13 13-0048	EA		5" Wye, Vacuum Tubing, Galvanized	390.17	37.37
23 35 13 13-0049	EA		6" Wye, Vacuum Tubing, Galvanized	514.73	42.43
23 35 13 13-0050	EA		8" Wye, Vacuum Tubing, Galvanized	1,005.75	46.24
23 35 13 13-0051	EA		10" Wye, Vacuum Tubing, Galvanized	1,388.89	50.67
23 35 13 13-0052	EA		12" Wye, Vacuum Tubing, Galvanized	1,752.49	56.75
23 35 13 13-0053			Reducer (23 35 13 13-0023)		
23 35 13 13-0054	EA		3" Reducer, Vacuum Tubing, Galvanized	58.82	16.97
23 35 13 13-0055	EA		4" Reducer, Vacuum Tubing, Galvanized	65.29	18.36
23 35 13 13-0056	EA		5" Reducer, Vacuum Tubing, Galvanized	81.58	20.26
23 35 13 13-0057	EA		6" Reducer, Vacuum Tubing, Galvanized	88.21	22.54
23 35 13 13-0058	EA		8" Reducer, Vacuum Tubing, Galvanized	102.90	25.33
23 35 13 13-0059			Flexible Hose (23 35 13 13-0011)		
23 35 13 13-0060	LF		2" Flexible Hose	13.31	2.28
23 35 13 13-0061	LF		3" Flexible Hose	15.91	2.53
23 35 13 13-0062	LF		4" Flexible Hose	17.26	2.79



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0063		Air Gate Valve, Galvanized <small>(23 35 13 13-0011)</small>		
	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	382.67	33.82
	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	401.06	36.10
	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	460.10	38.89
	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	523.14	41.55
	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	589.14	44.08
	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	695.15	50.29
	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	800.06	56.37
23 35 16		Engine Exhaust Systems <small>(23 35)</small>		
23 35 16 16		Mechanical Engine Exhaust Systems <small>(23 35 16)</small>		
23 35 16 16-0001		Tailpipe Exhaust Equipment <small>(23 35 16 16)</small>		
23 35 16 16-0002		Overhead Tailpipe Exhaust System <small>(23 35 16 16-0001)</small>		
23 35 16 16-0003		Overhead Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004		Overhead Direct Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,793.95	269.81
	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,414.76	551.02
	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,134.55	667.56
23 35 16 16-0008		Overhead Belt Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,293.92	551.02
	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,582.27	667.56
	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,510.84	1,056.45
	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	6,751.14	1,362.99
	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	8,522.26	1,623.94
23 35 16 16-0014		Spiral Exhaust Duct Accessories <small>(23 35 16 16-0002)</small>		
23 35 16 16-0015		Flex Hose x Length <small>(23 35 16 16-0014)</small>		
		Note: Includes duct coupler, damper and tailpipe adapter.		
	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	194.25	67.14
	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	166.44	67.14
	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	298.08	106.40
	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	251.61	106.40
	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	423.78	168.47
	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	407.14	168.47
	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	647.98	267.27
	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	613.00	267.27
23 35 16 16-0024		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0014)</small>		
	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	216.43	67.14
	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	314.28	106.40
	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	184.39	67.14
	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	266.75	106.40
	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,684.18	90.44
	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,476.29	165.94
	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,626.91	165.94
	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	78.40	12.92
	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	87.65	12.92
23 35 16 16-0034		Flexible Hose <small>(23 35 16 16-0014)</small>		
	LF	3" Stainless Steel Flexible Tubing	43.33	3.17
	LF	4" Stainless Steel Flexible Tubing	55.13	3.54
	LF	5" Stainless Steel Flexible Tubing	65.49	3.68
	LF	6" Stainless Steel Flexible Tubing	77.29	3.93
	LF	3" Galvanized Flexible Tubing	26.30	3.17
	LF	4" Galvanized Flexible Tubing	30.91	3.54
	LF	5" Galvanized Flexible Tubing	35.46	3.68
	LF	6" Galvanized Flexible Tubing	39.59	3.93
23 35 16 16-0043		Accessories <small>(23 35 16 16-0002)</small>		
	EA	3" Tail Pipe Adapter.....	64.97	9.50
	EA	4" Tail Pipe Adapter.....	66.81	9.50
	EA	5" Tail Pipe Adapter.....	71.18	10.76
	EA	3" Bullnose (Guide).....	36.17	6.33
	EA	4" Bullnose (Guide).....	38.45	6.97
	EA	5" Bullnose (Guide).....	41.05	7.60
	EA	Flex-Hose Winch And Associated Hardware	267.39	71.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 35 Special Exhaust Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 35 16 16-0051 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope0.15

23 35 16 16-0052 Automatic Exhaust Extraction System (23 35 16 16-0001)

Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.

23 35 16 16-0053 EA Magnatrack System For One Vehicle (30" To 40" Track)40,626.90
 23 35 16 16-0054 EA Magnatrack System For Two Vehicles (2 Each 30" Tracks)58,683.30
 23 35 16 16-0055 EA Magnatrack System For Tandem Vehicles (2 Each 30" Tracks).....58,683.30
 23 35 16 16-0056 EA Magnarail System For One Vehicle (33" Rail).....48,150.40
 23 35 16 16-0057 EA Magnarail System For Two Vehicles in Tandem (66" Rail)72,225.60
 23 35 16 16-0058 EA Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack).....37,617.50

23 35 19 Fume Exhaust Systems (23 35)

23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle2,709.73 506.31
 23 35 19 00-0002 EA Hose Extension Kit 5'453.47 112.48

23 36 Air Terminal Units (23 30)

23 36 13 Constant-Air-Volume Units (23 36)

23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils1,791.09 160.84
 23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils2,154.99 173.21
 23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils2,299.18 179.39
 23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils2,455.74 191.77
 23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils2,770.48 197.95

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils1,519.89 160.84
 23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils1,815.83 173.21
 23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils2,167.06 182.50

23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control1,443.22 52.17
For Boxes With Motor, Add 247.45
 23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control1,597.16 56.29
For Boxes With Motor, Add 274.50
 23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control1,660.19 61.79
For Boxes With Motor, Add 282.61
 23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control1,690.78 64.53
For Boxes With Motor, Add 286.67
 23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control1,717.41 71.40
For Boxes With Motor, Add 286.67
 23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control1,963.89 79.63
For Boxes With Motor, Add 328.59
 23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control2,061.95 89.25
For Boxes With Motor, Add 340.76
 23 36 13 00-0020 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control2,191.33 107.09
For Boxes With Motor, Add 353.04
 23 36 13 00-0021 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control2,319.76 123.57
For Boxes With Motor, Add 365.10

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0023 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control2,025.27 52.17
For Boxes With Motor, Add 363.86
 23 36 13 00-0024 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control2,166.81 56.29
For Boxes With Motor, Add 388.43
 23 36 13 00-0025 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control2,262.21 61.79
For Boxes With Motor, Add 403.01
 23 36 13 00-0026 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control2,356.95 64.53
For Boxes With Motor, Add 419.90
 23 36 13 00-0027 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control2,383.58 71.40
For Boxes With Motor, Add 419.90
 23 36 13 00-0028 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control2,739.05 81.00
For Boxes With Motor, Add 483.62
 23 36 13 00-0029 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control2,994.84 89.25
For Boxes With Motor, Add 527.37
 23 36 13 00-0030 EA 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control3,228.02 107.09
For Boxes With Motor, Add 560.38
 23 36 13 00-0031 EA 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control3,372.95 123.57
For Boxes With Motor, Add 575.73

23 36 16 Variable-Air-Volume Units (23 36)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0001			Variable Volume Terminal Unit <small>(23 36 16)</small> Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA		6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	637.43	63.16
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	713.56	71.40
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	794.60	79.63
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	848.97	89.25
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,170.03	192.08
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,418.09	227.92
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,317.46 1,378.94 433.04 67.57 6.30	63.16
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,425.51 1,477.08 462.91 67.57 6.30	71.40
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,494.28 1,523.48 475.85 67.57 6.30	79.63
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,560.92 1,566.87 487.80 67.57 6.30	89.25
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,815.70 1,759.42 543.54 67.57 6.30	192.08
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	2,117.76 1,910.24 580.38 67.57 6.30	227.92
23 36 16 00-0016			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With analog electronic controls.		
23 36 16 00-0017	EA		6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,164.44 776.49 6.30	63.16
23 36 16 00-0018	EA		8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,252.85 798.39 6.30	71.40
23 36 16 00-0019	EA		10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,333.89 816.31 6.30	79.63
23 36 16 00-0020	EA		12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,447.17 847.17 6.30	89.25
23 36 16 00-0021	EA		14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,704.41 903.92 6.30	192.08
23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,753.51 923.83 6.30	192.08
23 36 16 00-0023			Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,489.43 6.30	124.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 36 Air Terminal Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,629.48	142.11
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,745.51	160.50
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,914.62	179.04
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,153.02	205.95
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,367.30	247.14
			<i>For Filters And Frames, Add</i>	6.30	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) (23 36 16 00-0001)

23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	649.35	85.82
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	705.10	94.39
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	762.35	102.97
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	821.21	111.56
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	881.79	120.14
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	944.19	128.71
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA		0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,013.62	137.30
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA		0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,080.45	145.88
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA		0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,149.57	154.46
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA		0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,221.11	163.05
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,295.27	171.62
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,372.19	180.21
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA		0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,452.12	188.79
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA		0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,528.32	197.37
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA		0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,614.37	205.95
			<i>For Filters And Frames, Add</i>	6.30	

23 37 Air Outlets and Inlets (23 30)

23 37 13 Diffusers, Registers, and Grilles (23 37)

23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)

23 37 13 13-0001 Ceiling Diffusers (23 37 13 13)

23 37 13 13-0002 Ceiling Diffusers With Perforated Face (23 37 13 13-0001)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA		6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	135.08	17.85
			<i>For Steel Construction, Deduct</i>	-9.67	
			<i>For Surface Mount, Deduct</i>	-7.74	
			<i>For Diffuser Without Damper, Deduct</i>	-12.89	
			<i>For Stainless Steel, Add</i>	161.18	
23 37 13 13-0004	EA		8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	149.41	17.85
			<i>For Steel Construction, Deduct</i>	-11.82	
			<i>For Surface Mount, Deduct</i>	-9.46	
			<i>For Diffuser Without Damper, Deduct</i>	-15.76	
			<i>For Stainless Steel, Add</i>	197.00	
23 37 13 13-0005	EA		9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	149.41	17.85
			<i>For Steel Construction, Deduct</i>	-11.82	
			<i>For Surface Mount, Deduct</i>	-9.46	
			<i>For Diffuser Without Damper, Deduct</i>	-15.76	
			<i>For Stainless Steel, Add</i>	197.00	
23 37 13 13-0006	EA		10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	179.54	21.97
			<i>For Steel Construction, Deduct</i>	-14.15	
			<i>For Surface Mount, Deduct</i>	-11.32	
			<i>For Diffuser Without Damper, Deduct</i>	-18.86	
			<i>For Stainless Steel, Add</i>	235.80	
23 37 13 13-0007	EA		12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	179.54	20.60
			<i>For Steel Construction, Deduct</i>	-14.15	
			<i>For Surface Mount, Deduct</i>	-11.32	
			<i>For Diffuser Without Damper, Deduct</i>	-18.86	
			<i>For Stainless Steel, Add</i>	235.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0008 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	205.81	20.60
For Steel Construction, Deduct	-18.09	
For Surface Mount, Deduct	-14.47	
For Diffuser Without Damper, Deduct	-24.12	
For Stainless Steel, Add	301.48	
23 37 13 13-0009 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	236.65	27.46
For Steel Construction, Deduct	-19.45	
For Surface Mount, Deduct	-15.56	
For Diffuser Without Damper, Deduct	-25.93	
For Stainless Steel, Add	324.15	
23 37 13 13-0010 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	274.24	28.83
For Steel Construction, Deduct	-24.29	
For Surface Mount, Deduct	-19.43	
For Diffuser Without Damper, Deduct	-32.38	
For Stainless Steel, Add	404.75	
23 37 13 13-0011 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	310.81	32.95
For Steel Construction, Deduct	-27.01	
For Surface Mount, Deduct	-21.61	
For Lay-In Mount, Deduct	-21.61	
For Diffuser Without Damper, Deduct	-36.01	
For Stainless Steel, Add	450.13	
 23 37 13 13-0012 Ceiling Diffusers With Louver Face <small>(23 37 13 13-0001)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	139.86	17.85
For Steel Construction, Deduct	-10.39	
For Flush Mount, Add	10.39	
For Stainless Steel, Add	173.13	
23 37 13 13-0014 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	158.48	17.85
For Steel Construction, Deduct	-13.18	
For Flush Mount, Add	13.18	
For Stainless Steel, Add	219.68	
23 37 13 13-0015 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	158.48	17.85
For Steel Construction, Deduct	-13.18	
For Flush Mount, Add	13.18	
For Stainless Steel, Add	219.68	
23 37 13 13-0016 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	190.29	20.60
For Steel Construction, Deduct	-15.76	
For Flush Mount, Add	15.76	
For Stainless Steel, Add	262.68	
23 37 13 13-0017 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	190.29	21.97
For Steel Construction, Deduct	-15.76	
For Flush Mount, Add	15.76	
For Stainless Steel, Add	262.68	
23 37 13 13-0018 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	244.99	27.46
For Steel Construction, Deduct	-20.63	
For Flush Mount, Add	20.63	
For Stainless Steel, Add	343.85	
23 37 13 13-0019 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	219.68	27.46
For Steel Construction, Deduct	-16.83	
For Flush Mount, Add	16.83	
For Stainless Steel, Add	280.58	
23 37 13 13-0020 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	274.07	32.95
For Steel Construction, Deduct	-21.60	
For Flush Mount, Add	21.60	
For Stainless Steel, Add	359.98	
23 37 13 13-0021 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	316.24	37.08
For Steel Construction, Deduct	-26.86	
For Flush Mount, Add	26.86	
For Stainless Steel, Add	447.73	
23 37 13 13-0022 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	345.25	72.63
For Steel Construction, Deduct	-29.98	
For Flush Mount, Add	29.98	
For Lay-In Mount, Add	39.97	
For Stainless Steel, Add	499.68	
 23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 13-0001)</small>		
Note: Aluminum construction.		
23 37 13 13-0024 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	225.61	17.85
For Steel Construction, Deduct	-46.50	
For Stainless Steel, Add	387.50	
23 37 13 13-0025 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	233.56	17.85
For Steel Construction, Deduct	-48.89	
For Stainless Steel, Add	407.38	
23 37 13 13-0026 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	264.06	21.97
For Steel Construction, Deduct	-53.65	
For Stainless Steel, Add	447.10	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	283.94 -59.62 496.80	20.60
23 37 13	13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	404.87 -91.81 765.05	24.71
23 37 13	13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	426.88 -97.17 809.78	26.09
23 37 13	13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	449.24 -102.54 854.48	27.46
23 37 13	13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	518.60 -121.88 1,015.65	27.46
23 37 13	13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	618.15 -148.37 1,236.45	31.58
23 37 13	13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	695.32 -169.57 1,413.10	32.95
23 37 13	13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Stainless Steel, Add</i>	829.85 -205.34 1,711.18	37.08
23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)					
Note: Aluminum construction.					
23 37 13	13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	237.53 -16.69 -8.35 417.30	17.85
23 37 13	13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	258.07 -18.75 -9.37 468.65	17.85
23 37 13	13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	292.77 -20.76 -10.38 518.88	21.97
23 37 13	13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	315.73 -23.05 -11.53 576.28	21.97
23 37 13	13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	456.54 -35.77 -17.88 894.23	24.71
23 37 13	13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	392.49 -38.22 -19.11 955.50	26.09
23 37 13	13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	514.16 -40.67 -20.34 1,016.78	27.46
23 37 13	13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	595.88 -48.35 -24.18 1,208.85	28.83
23 37 13	13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	672.91 -54.93 -27.47 1,373.35	31.58
23 37 13	13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	814.55 -68.45 -34.22 1,711.18	32.95
23 37 13	13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Steel Construction, Deduct</i> <i>For Flush Mount, Deduct</i> <i>For Stainless Steel, Add</i>	980.43 -83.51 -41.75 2,087.63	37.08
23 37 13	13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction <i>For Stainless Steel, Add</i>	1,085.79 2,328.33	77.30
23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)					
23 37 13	13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	182.68 250.75	20.60
23 37 13	13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	196.31 284.83	20.60
23 37 13	13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	213.09 326.78	20.60
23 37 13	13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	229.43 367.63	20.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0053		Wall And Floor Diffusers <small>(23 37 13 13)</small>		
23 37 13	13-0054		Slot Type Linear Diffusers <small>(23 37 13 13-0053)</small>		
			Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13	13-0055	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	61.96	6.86
			For 3/4" Border, Add	8.28	
			For Floor Mounted Diffusers, Add	9.94	
			For Stainless Steel, Add	43.06	
23 37 13	13-0056	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	75.73	8.23
			For 3/4" Border, Add	11.04	
			For Floor Mounted Diffusers, Add	13.25	
			For Stainless Steel, Add	57.41	
23 37 13	13-0057	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	105.26	9.61
			For 3/4" Border, Add	17.39	
			For Floor Mounted Diffusers, Add	20.87	
			For Stainless Steel, Add	90.42	
23 37 13	13-0058	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	139.16	9.61
			For 3/4" Border, Add	24.84	
			For Floor Mounted Diffusers, Add	29.81	
			For Stainless Steel, Add	129.17	
23 37 13	13-0059	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	174.52	10.98
			For 3/4" Border, Add	32.29	
			For Floor Mounted Diffusers, Add	38.75	
			For Stainless Steel, Add	167.92	
23 37 13	13-0060	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	204.49	13.73
			For 3/4" Border, Add	38.09	
			For Floor Mounted Diffusers, Add	45.71	
			For Stainless Steel, Add	198.06	
23 37 13	13-0061		Linear Bar Grilles And Registers <small>(23 37 13 13-0053)</small>		
			Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13	13-0062	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	191.65	8.23
			For Floor Mount, Add	16.01	
			For Opposed Blade Damper, Add	32.02	
			For Stainless Steel, Add	208.10	
23 37 13	13-0063	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	228.91	9.61
			For Floor Mount, Add	19.32	
			For Opposed Blade Damper, Add	38.64	
			For Stainless Steel, Add	251.16	
23 37 13	13-0064	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	249.56	9.61
			For Floor Mount, Add	20.98	
			For Opposed Blade Damper, Add	41.95	
			For Stainless Steel, Add	272.69	
23 37 13	13-0065	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	306.06	13.73
			For Floor Mount, Add	25.39	
			For Opposed Blade Damper, Add	50.78	
			For Stainless Steel, Add	330.10	
23 37 13	13-0066	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	423.28	17.85
			For Floor Mount, Add	35.33	
			For Opposed Blade Damper, Add	70.65	
			For Stainless Steel, Add	459.25	
23 37 13	13-0067	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	488.17	20.60
			For Floor Mount, Add	40.30	
			For Opposed Blade Damper, Add	80.59	
			For Stainless Steel, Add	523.84	
23 37 13	13-0068		Return/Exhaust Registers And Grilles <small>(23 37 13 13)</small>		
23 37 13	13-0069		Return/Exhaust Registers With Frame <small>(23 37 13 13-0068)</small>		
			Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13	13-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	131.48	10.98
			For Steel Construction, Deduct	-17.77	
			For Grilles (No Damper), Deduct	-35.55	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	8.89	
			For Cube Core Lay In, Add	17.77	
			For Stainless Steel, Add	222.18	
23 37 13	13-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	150.80	10.98
			For Steel Construction, Deduct	-21.64	
			For Grilles (No Damper), Deduct	-43.28	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	10.82	
			For Cube Core Lay In, Add	21.64	
			For Stainless Steel, Add	270.48	
23 37 13	13-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	169.21	12.36
			For Steel Construction, Deduct	-23.96	
			For Grilles (No Damper), Deduct	-47.91	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	11.98	
			For Cube Core Lay In, Add	23.96	
			For Stainless Steel, Add	299.45	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0073	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	177.25	13.73
			<i>For Steel Construction, Deduct</i>	-23.96	
			<i>For Grilles (No Damper), Deduct</i>	-47.91	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	11.98	
			<i>For Cube Core Lay In, Add</i>	23.96	
			<i>For Stainless Steel, Add</i>	299.45	
23 37 13	13-0074	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	169.52	13.73
			<i>For Steel Construction, Deduct</i>	-22.41	
			<i>For Grilles (No Damper), Deduct</i>	-44.82	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	11.21	
			<i>For Cube Core Lay In, Add</i>	22.41	
			<i>For Stainless Steel, Add</i>	280.13	
23 37 13	13-0075	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	217.44	17.85
			<i>For Steel Construction, Deduct</i>	-29.37	
			<i>For Grilles (No Damper), Deduct</i>	-58.73	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	14.68	
			<i>For Cube Core Lay In, Add</i>	29.37	
			<i>For Stainless Steel, Add</i>	367.08	
23 37 13	13-0076	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	260.53	20.60
			<i>For Steel Construction, Deduct</i>	-35.06	
			<i>For Grilles (No Damper), Deduct</i>	-70.12	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	17.53	
			<i>For Cube Core Lay In, Add</i>	35.06	
			<i>For Stainless Steel, Add</i>	438.28	
23 37 13	13-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	319.08	24.71
			<i>For Steel Construction, Deduct</i>	-44.05	
			<i>For Grilles (No Damper), Deduct</i>	-88.09	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	22.02	
			<i>For Cube Core Lay In, Add</i>	44.05	
			<i>For Stainless Steel, Add</i>	550.58	
23 37 13	13-0078	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	374.16	27.46
			<i>For Steel Construction, Deduct</i>	-53.34	
			<i>For Grilles (No Damper), Deduct</i>	-106.68	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	26.67	
			<i>For Cube Core Lay In, Add</i>	53.34	
			<i>For Stainless Steel, Add</i>	666.78	
23 37 13	13-0079	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	335.42	27.46
			<i>For Steel Construction, Deduct</i>	-44.62	
			<i>For Grilles (No Damper), Deduct</i>	-89.23	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	22.31	
			<i>For Cube Core Lay In, Add</i>	44.62	
			<i>For Stainless Steel, Add</i>	557.70	
23 37 13	13-0080	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	382.81	27.46
			<i>For Steel Construction, Deduct</i>	-54.09	
			<i>For Grilles (No Damper), Deduct</i>	-108.19	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	27.05	
			<i>For Cube Core Lay In, Add</i>	54.09	
			<i>For Stainless Steel, Add</i>	676.18	
23 37 13	13-0081	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	403.90	31.58
			<i>For Steel Construction, Deduct</i>	-56.07	
			<i>For Grilles (No Damper), Deduct</i>	-112.13	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	28.03	
			<i>For Cube Core Lay In, Add</i>	56.07	
			<i>For Stainless Steel, Add</i>	700.83	
23 37 13	13-0082	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	428.00	32.95
			<i>For Steel Construction, Deduct</i>	-59.58	
			<i>For Grilles (No Damper), Deduct</i>	-119.17	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	29.79	
			<i>For Cube Core Lay In, Add</i>	59.58	
			<i>For Stainless Steel, Add</i>	744.80	
23 37 13	13-0083	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	493.12	37.08
			<i>For Steel Construction, Deduct</i>	-69.55	
			<i>For Grilles (No Damper), Deduct</i>	-139.10	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	34.77	
			<i>For Cube Core Lay In, Add</i>	69.55	
			<i>For Stainless Steel, Add</i>	869.35	
23 37 13	13-0084	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	552.85	43.94
			<i>For Steel Construction, Deduct</i>	-75.26	
			<i>For Grilles (No Damper), Deduct</i>	-150.53	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	37.63	
			<i>For Cube Core Lay In, Add</i>	75.26	
			<i>For Stainless Steel, Add</i>	940.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	716.46	43.94
<i>For Steel Construction, Deduct</i>	-107.99	
<i>For Grilles (No Damper), Deduct</i>	-215.97	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	53.99	
<i>For Cube Core Lay In, Add</i>	107.99	
<i>For Stainless Steel, Add</i>	1,349.83	
23 37 13 13-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	596.65	48.05
<i>For Steel Construction, Deduct</i>	-81.31	
<i>For Grilles (No Damper), Deduct</i>	-162.62	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	40.65	
<i>For Cube Core Lay In, Add</i>	81.31	
<i>For Stainless Steel, Add</i>	1,016.35	
23 37 13 13-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	581.10	46.68
<i>For Steel Construction, Deduct</i>	-78.20	
<i>For Grilles (No Damper), Deduct</i>	-156.40	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	39.10	
<i>For Cube Core Lay In, Add</i>	78.20	
<i>For Stainless Steel, Add</i>	977.48	
23 37 13 13-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	661.30	52.17
<i>For Steel Construction, Deduct</i>	-91.07	
<i>For Grilles (No Damper), Deduct</i>	-182.14	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	45.54	
<i>For Cube Core Lay In, Add</i>	91.07	
<i>For Stainless Steel, Add</i>	1,138.38	
23 37 13 13-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	894.82	56.29
<i>For Steel Construction, Deduct</i>	-134.03	
<i>For Grilles (No Damper), Deduct</i>	-268.06	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	67.02	
<i>For Cube Core Lay In, Add</i>	134.03	
<i>For Stainless Steel, Add</i>	1,675.38	
23 37 13 13-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	397.86	31.72
<i>For Steel Construction, Deduct</i>	-54.23	
<i>For Grilles (No Damper), Deduct</i>	-108.46	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	27.11	
<i>For Cube Core Lay In, Add</i>	54.23	
<i>For Stainless Steel, Add</i>	677.85	
23 37 13 13-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	685.41	47.53
<i>For Steel Construction, Deduct</i>	-99.06	
<i>For Grilles (No Damper), Deduct</i>	-198.12	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	49.53	
<i>For Cube Core Lay In, Add</i>	99.06	
<i>For Stainless Steel, Add</i>	1,238.25	
23 37 13 13-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	793.84	56.29
<i>For Steel Construction, Deduct</i>	-113.67	
<i>For Grilles (No Damper), Deduct</i>	-227.34	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	56.84	
<i>For Cube Core Lay In, Add</i>	113.67	
<i>For Stainless Steel, Add</i>	1,420.88	
23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible <small>(23 37 13 13-0068)</small>		
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	121.43	10.98
<i>For Steel Construction, Deduct</i>	-7.88	
<i>For Flat Frame, Deduct</i>	-0.79	
<i>For Grilles (No Damper), Deduct</i>	-15.76	
<i>For Stainless Steel, Add</i>	197.05	
23 37 13 13-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	121.43	10.98
<i>For Steel Construction, Deduct</i>	-7.88	
<i>For Flat Frame, Deduct</i>	-0.79	
<i>For Grilles (No Damper), Deduct</i>	-15.76	
<i>For Stainless Steel, Add</i>	197.05	
23 37 13 13-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	149.12	12.36
<i>For Steel Construction, Deduct</i>	-9.97	
<i>For Flat Frame, Deduct</i>	-1.00	
<i>For Grilles (No Damper), Deduct</i>	-19.94	
<i>For Stainless Steel, Add</i>	249.23	
23 37 13 13-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	171.07	15.11
<i>For Steel Construction, Deduct</i>	-11.36	
<i>For Flat Frame, Deduct</i>	-1.14	
<i>For Grilles (No Damper), Deduct</i>	-22.72	
<i>For Stainless Steel, Add</i>	284.00	
23 37 13 13-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	168.75	13.73
<i>For Steel Construction, Deduct</i>	-11.13	
<i>For Flat Frame, Deduct</i>	-1.11	
<i>For Grilles (No Damper), Deduct</i>	-22.26	
<i>For Stainless Steel, Add</i>	278.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	218.98	17.85
			<i>For Steel Construction, Deduct</i>	-14.84	
			<i>For Flat Frame, Deduct</i>	-1.48	
			<i>For Grilles (No Damper), Deduct</i>	-29.67	
			<i>For Stainless Steel, Add</i>	370.93	
23 37 13	13-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	353.38	21.97
			<i>For Steel Construction, Deduct</i>	-26.82	
			<i>For Flat Frame, Deduct</i>	-2.68	
			<i>For Grilles (No Damper), Deduct</i>	-53.63	
			<i>For Stainless Steel, Add</i>	670.40	
23 37 13	13-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	425.74	24.71
			<i>For Steel Construction, Deduct</i>	-32.69	
			<i>For Flat Frame, Deduct</i>	-3.27	
			<i>For Grilles (No Damper), Deduct</i>	-65.38	
			<i>For Stainless Steel, Add</i>	817.23	
23 37 13	13-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	480.71	27.46
			<i>For Steel Construction, Deduct</i>	-37.33	
			<i>For Flat Frame, Deduct</i>	-3.73	
			<i>For Grilles (No Damper), Deduct</i>	-74.65	
			<i>For Stainless Steel, Add</i>	933.15	
23 37 13	13-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	399.82	27.46
			<i>For Steel Construction, Deduct</i>	-28.75	
			<i>For Flat Frame, Deduct</i>	-2.87	
			<i>For Grilles (No Damper), Deduct</i>	-57.50	
			<i>For Stainless Steel, Add</i>	718.70	
23 37 13	13-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	538.92	28.83
			<i>For Steel Construction, Deduct</i>	-42.66	
			<i>For Flat Frame, Deduct</i>	-4.27	
			<i>For Grilles (No Damper), Deduct</i>	-85.32	
			<i>For Stainless Steel, Add</i>	1,066.45	
23 37 13	13-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	628.97	31.58
			<i>For Steel Construction, Deduct</i>	-50.54	
			<i>For Flat Frame, Deduct</i>	-5.05	
			<i>For Grilles (No Damper), Deduct</i>	-101.08	
			<i>For Stainless Steel, Add</i>	1,263.50	
23 37 13	13-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	482.47	32.95
			<i>For Steel Construction, Deduct</i>	-35.24	
			<i>For Flat Frame, Deduct</i>	-3.52	
			<i>For Grilles (No Damper), Deduct</i>	-70.48	
			<i>For Stainless Steel, Add</i>	880.98	
23 37 13	13-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	664.69	37.08
			<i>For Steel Construction, Deduct</i>	-51.93	
			<i>For Flat Frame, Deduct</i>	-5.19	
			<i>For Grilles (No Damper), Deduct</i>	-103.86	
			<i>For Stainless Steel, Add</i>	1,298.28	
23 37 13	13-0108	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	800.17	43.94
			<i>For Steel Construction, Deduct</i>	-62.36	
			<i>For Flat Frame, Deduct</i>	-6.24	
			<i>For Grilles (No Damper), Deduct</i>	-124.73	
			<i>For Stainless Steel, Add</i>	1,559.10	
23 37 13	13-0109	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	917.24	43.94
			<i>For Steel Construction, Deduct</i>	-74.07	
			<i>For Flat Frame, Deduct</i>	-7.41	
			<i>For Grilles (No Damper), Deduct</i>	-148.14	
			<i>For Stainless Steel, Add</i>	1,851.78	
23 37 13	13-0110	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	623.64	46.68
			<i>For Steel Construction, Deduct</i>	-43.35	
			<i>For Flat Frame, Deduct</i>	-4.34	
			<i>For Grilles (No Damper), Deduct</i>	-86.71	
			<i>For Stainless Steel, Add</i>	1,083.83	
23 37 13	13-0111	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	846.20	46.68
			<i>For Steel Construction, Deduct</i>	-65.61	
			<i>For Flat Frame, Deduct</i>	-6.56	
			<i>For Grilles (No Damper), Deduct</i>	-131.22	
			<i>For Stainless Steel, Add</i>	1,640.23	
23 37 13	13-0112	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	980.28	52.17
			<i>For Steel Construction, Deduct</i>	-77.43	
			<i>For Flat Frame, Deduct</i>	-7.74	
			<i>For Grilles (No Damper), Deduct</i>	-154.87	
			<i>For Stainless Steel, Add</i>	1,935.83	
23 37 13	13-0113	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,146.22	56.29
			<i>For Steel Construction, Deduct</i>	-92.16	
			<i>For Flat Frame, Deduct</i>	-9.22	
			<i>For Grilles (No Damper), Deduct</i>	-184.31	
			<i>For Stainless Steel, Add</i>	2,303.88	
23 37 13	13-0114	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,211.13	56.29
			<i>For Steel Construction, Deduct</i>	-98.65	
			<i>For Flat Frame, Deduct</i>	-9.86	
			<i>For Grilles (No Damper), Deduct</i>	-197.29	
			<i>For Stainless Steel, Add</i>	2,466.15	
23 37 13	13-0115		Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles <small>(23 37 13 13-0068)</small>		
23 37 13	13-0116	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	63.76	13.43
23 37 13	13-0117	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	63.76	13.43
23 37 13	13-0118	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.04	13.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0119 EA 8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	71.15	13.43
23 37 13 13-0120 EA 10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	69.04	13.43
23 37 13 13-0121 EA 10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	71.15	13.43
23 37 13 13-0122 EA 10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	85.93	17.61
23 37 13 13-0123 EA 10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	88.04	17.61
23 37 13 13-0124 EA 12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.82	17.61
23 37 13 13-0125 EA 12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	88.04	17.61
23 37 13 13-0126 EA 12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.15	17.61
23 37 13 13-0127 EA 12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.26	17.61
23 37 13 13-0128 EA 14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.10	17.61
23 37 13 13-0129 EA 14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.32	17.61
23 37 13 13-0130 EA 14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.43	17.61
23 37 13 13-0131 EA 14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	104.93	17.61
23 37 13 13-0132 EA 16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.32	17.61
23 37 13 13-0133 EA 16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	100.71	17.61
23 37 13 13-0134 EA 16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	104.93	17.61
23 37 13 13-0135 EA 16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	135.54	25.97
23 37 13 13-0136 EA 16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	137.65	25.97
23 37 13 13-0137 EA 18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	133.43	25.97
23 37 13 13-0138 EA 18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	162.98	30.15
23 37 13 13-0139 EA 20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	131.32	25.97
23 37 13 13-0140 EA 20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	173.54	30.15
23 37 13 13-0141 EA 22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.21	17.61
23 37 13 13-0142 EA 22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	133.43	25.97
23 37 13 13-0143 EA 22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	194.64	34.33
23 37 13 13-0144 EA 24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	131.32	25.97
23 37 13 13-0145 EA 24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	135.54	25.97
23 37 13 13-0146 EA 24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	156.65	30.15
For Lay-In Installation, Deduct	-63.70	
23 37 13 13-0147 EA 24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	162.98	30.15
23 37 13 13-0148 EA 24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	181.98	34.33
23 37 13 13-0149 EA 24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	188.31	34.33
23 37 13 13-0150 EA 24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	195.70	34.33
23 37 13 13-0151 EA 24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	209.42	34.33
For Lay-In Installation, Deduct	-72.91	
23 37 13 13-0152 EA 30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	159.82	30.15
23 37 13 13-0153 EA 48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	256.50	37.62
23 37 13 13-0154 EA 48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	434.88	45.98
For Lay-In Installation, Deduct	-104.94	

23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)

23 37 13 13-0156 Adjustable Curved Blade Register (23 37 13 13-0155)

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0157 EA 6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	110.09	10.98
For Steel Construction, Deduct	-10.13	
For Lay In Frame, Deduct	-16.89	
For Three Way Pattern, Deduct	-6.76	
For Two Way Pattern, Deduct	-5.40	
For One Way Pattern, Deduct	-5.40	
For Grille (No Damper), Deduct	-10.13	
For Stainless Steel, Add	168.90	
23 37 13 13-0158 EA 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	114.07	10.98
For Steel Construction, Deduct	-10.73	
For Lay In Frame, Deduct	-17.89	
For Three Way Pattern, Deduct	-7.15	
For Two Way Pattern, Deduct	-5.72	
For One Way Pattern, Deduct	-5.72	
For Grille (No Damper), Deduct	-10.73	
For Stainless Steel, Add	178.85	
23 37 13 13-0159 EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	125.17	15.11
For Steel Construction, Deduct	-10.13	
For Lay In Frame, Deduct	-16.89	
For Three Way Pattern, Deduct	-6.76	
For Two Way Pattern, Deduct	-5.40	
For One Way Pattern, Deduct	-5.40	
For Grille (No Damper), Deduct	-10.13	
For Stainless Steel, Add	168.90	
23 37 13 13-0160 EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	139.75	13.73
For Steel Construction, Deduct	-12.32	
For Lay In Frame, Deduct	-20.54	
For Three Way Pattern, Deduct	-8.21	
For Two Way Pattern, Deduct	-6.57	
For One Way Pattern, Deduct	-6.57	
For Grille (No Damper), Deduct	-12.32	
For Stainless Steel, Add	205.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0161	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	168.04	17.85
			<i>For Steel Construction, Deduct</i>	-14.70	
			<i>For Lay In Frame, Deduct</i>	-24.51	
			<i>For Three Way Pattern, Deduct</i>	-9.80	
			<i>For Two Way Pattern, Deduct</i>	-7.84	
			<i>For One Way Pattern, Deduct</i>	-7.84	
			<i>For Grille (No Damper), Deduct</i>	-14.70	
			<i>For Stainless Steel, Add</i>	245.08	
23 37 13	13-0162	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	207.10	20.60
			<i>For Steel Construction, Deduct</i>	-18.28	
			<i>For Lay In Frame, Deduct</i>	-30.47	
			<i>For Three Way Pattern, Deduct</i>	-12.19	
			<i>For Two Way Pattern, Deduct</i>	-9.75	
			<i>For One Way Pattern, Deduct</i>	-9.75	
			<i>For Grille (No Damper), Deduct</i>	-18.28	
			<i>For Stainless Steel, Add</i>	304.70	
23 37 13	13-0163	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	207.10	20.60
			<i>For Steel Construction, Deduct</i>	-18.28	
			<i>For Lay In Frame, Deduct</i>	-30.47	
			<i>For Three Way Pattern, Deduct</i>	-12.19	
			<i>For Two Way Pattern, Deduct</i>	-9.75	
			<i>For One Way Pattern, Deduct</i>	-9.75	
			<i>For Grille (No Damper), Deduct</i>	-18.28	
			<i>For Stainless Steel, Add</i>	304.70	
23 37 13	13-0164	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	255.37	27.46
			<i>For Steel Construction, Deduct</i>	-22.26	
			<i>For Lay In Frame, Deduct</i>	-37.10	
			<i>For Three Way Pattern, Deduct</i>	-14.84	
			<i>For Two Way Pattern, Deduct</i>	-11.87	
			<i>For One Way Pattern, Deduct</i>	-11.87	
			<i>For Grille (No Damper), Deduct</i>	-22.26	
			<i>For Stainless Steel, Add</i>	370.95	
23 37 13	13-0165	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	336.23	28.83
			<i>For Steel Construction, Deduct</i>	-33.58	
			<i>For Lay In Frame, Deduct</i>	-55.97	
			<i>For Three Way Pattern, Deduct</i>	-22.39	
			<i>For Two Way Pattern, Deduct</i>	-17.91	
			<i>For One Way Pattern, Deduct</i>	-17.91	
			<i>For Grille (No Damper), Deduct</i>	-33.58	
			<i>For Stainless Steel, Add</i>	559.73	
23 37 13	13-0166	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	546.33	58.22
			<i>For Steel Construction, Deduct</i>	-64.48	
			<i>For Lay In Frame, Deduct</i>	-107.47	
			<i>For Three Way Pattern, Deduct</i>	-42.99	
			<i>For Two Way Pattern, Deduct</i>	-34.39	
			<i>For One Way Pattern, Deduct</i>	-34.39	
			<i>For Grille (No Damper), Deduct</i>	-64.48	
			<i>For Stainless Steel, Add</i>	1,074.73	
23 37 13	13-0167		Removable-Reversible Core Registers <small>(23 37 13 13-0165)</small>		
			Note: Double deflection radiused frame aluminum construction.		
23 37 13	13-0168	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	127.32	10.98
			<i>For Steel Construction, Deduct</i>	-8.48	
			<i>For Flat Frame, Deduct</i>	-8.48	
			<i>For Grille (No Damper), Deduct</i>	-25.44	
			<i>For Stainless Steel, Add</i>	211.98	
23 37 13	13-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	161.76	10.98
			<i>For Steel Construction, Deduct</i>	-11.92	
			<i>For Flat Frame, Deduct</i>	-11.92	
			<i>For Grille (No Damper), Deduct</i>	-35.77	
			<i>For Stainless Steel, Add</i>	298.08	
23 37 13	13-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	205.99	15.11
			<i>For Steel Construction, Deduct</i>	-14.84	
			<i>For Flat Frame, Deduct</i>	-14.84	
			<i>For Grille (No Damper), Deduct</i>	-44.51	
			<i>For Stainless Steel, Add</i>	370.95	
23 37 13	13-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	208.63	15.11
			<i>For Steel Construction, Deduct</i>	-15.10	
			<i>For Flat Frame, Deduct</i>	-15.10	
			<i>For Grille (No Damper), Deduct</i>	-45.31	
			<i>For Stainless Steel, Add</i>	377.55	
23 37 13	13-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	266.08	17.85
			<i>For Steel Construction, Deduct</i>	-19.61	
			<i>For Flat Frame, Deduct</i>	-19.61	
			<i>For Grille (No Damper), Deduct</i>	-58.82	
			<i>For Stainless Steel, Add</i>	490.18	
23 37 13	13-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	379.32	21.97
			<i>For Steel Construction, Deduct</i>	-29.41	
			<i>For Flat Frame, Deduct</i>	-29.41	
			<i>For Grille (No Damper), Deduct</i>	-88.23	
			<i>For Stainless Steel, Add</i>	735.25	
23 37 13	13-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	427.01	20.60
			<i>For Steel Construction, Deduct</i>	-34.18	
			<i>For Flat Frame, Deduct</i>	-34.18	
			<i>For Grille (No Damper), Deduct</i>	-102.54	
			<i>For Stainless Steel, Add</i>	854.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0175 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	515.02	27.46
<i>For Steel Construction, Deduct</i>	-40.80	
<i>For Flat Frame, Deduct</i>	-40.80	
<i>For Grille (No Damper), Deduct</i>	-122.41	
<i>For Stainless Steel, Add</i>	1,020.08	
23 37 13 13-0176 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	650.20	27.46
<i>For Steel Construction, Deduct</i>	-53.79	
<i>For Flat Frame, Deduct</i>	-53.79	
<i>For Grille (No Damper), Deduct</i>	-161.36	
<i>For Stainless Steel, Add</i>	1,344.65	
23 37 13 13-0177 Adjustable Shutter Blade Registers <small>(23 37 13 13-0155)</small>		
Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0178 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	197.09	10.98
<i>For Steel Construction, Deduct</i>	-15.46	
<i>For Single Deflection, Deduct</i>	-30.91	
<i>For Grille (No Damper), Deduct</i>	-23.18	
<i>For Stainless Steel, Add</i>	386.40	
23 37 13 13-0179 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	228.00	10.98
<i>For Steel Construction, Deduct</i>	-18.55	
<i>For Single Deflection, Deduct</i>	-37.09	
<i>For Grille (No Damper), Deduct</i>	-27.82	
<i>For Stainless Steel, Add</i>	463.68	
23 37 13 13-0180 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	243.08	15.11
<i>For Steel Construction, Deduct</i>	-18.55	
<i>For Single Deflection, Deduct</i>	-37.09	
<i>For Grille (No Damper), Deduct</i>	-27.82	
<i>For Stainless Steel, Add</i>	463.68	
23 37 13 13-0181 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	251.91	13.73
<i>For Steel Construction, Deduct</i>	-19.43	
<i>For Single Deflection, Deduct</i>	-38.86	
<i>For Grille (No Damper), Deduct</i>	-29.15	
<i>For Stainless Steel, Add</i>	485.75	
23 37 13 13-0182 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	308.47	17.85
<i>For Steel Construction, Deduct</i>	-23.85	
<i>For Single Deflection, Deduct</i>	-47.69	
<i>For Grille (No Damper), Deduct</i>	-35.77	
<i>For Stainless Steel, Add</i>	596.15	
23 37 13 13-0183 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	412.00	20.60
<i>For Steel Construction, Deduct</i>	-32.68	
<i>For Single Deflection, Deduct</i>	-65.36	
<i>For Grille (No Damper), Deduct</i>	-49.02	
<i>For Stainless Steel, Add</i>	816.95	
23 37 13 13-0184 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	487.07	21.97
<i>For Steel Construction, Deduct</i>	-40.19	
<i>For Single Deflection, Deduct</i>	-80.37	
<i>For Grille (No Damper), Deduct</i>	-60.28	
<i>For Stainless Steel, Add</i>	1,004.63	
23 37 13 13-0185 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	601.57	27.46
<i>For Steel Construction, Deduct</i>	-49.46	
<i>For Single Deflection, Deduct</i>	-98.92	
<i>For Grille (No Damper), Deduct</i>	-74.19	
<i>For Stainless Steel, Add</i>	1,236.45	
23 37 13 13-0186 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	832.13	28.83
<i>For Steel Construction, Deduct</i>	-71.98	
<i>For Single Deflection, Deduct</i>	-143.96	
<i>For Grille (No Damper), Deduct</i>	-107.97	
<i>For Stainless Steel, Add</i>	1,799.48	
23 37 13 13-0187 Air Conditioning And Ventilation <small>(23 37 13 13-0155)</small>		
23 37 13 13-0188 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	110.82	28.83
<i>For Stainless Steel, Add</i>	133.03	
23 37 13 13-0189 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	192.24	42.91
<i>For Stainless Steel, Add</i>	266.05	
23 37 13 13-0190 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	297.51	60.07
<i>For Stainless Steel, Add</i>	443.43	
23 37 13 13-0191 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	750.07	82.38
<i>For Stainless Steel, Add</i>	1,463.28	
23 37 13 13-0192 Square Wall Return Air And Exhaust Grilles <small>(23 37 13 13-0155)</small>		
Note: Egg crate design aluminum construction.		
23 37 13 13-0193 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	100.73	34.38
23 37 13 13-0194 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	110.57	34.38
23 37 13 13-0195 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	164.63	51.57
23 37 13 13-0196 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	213.83	51.57
23 37 13 13-0197 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	358.90	68.75
23 37 13 13-0198 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	656.10	68.65
23 37 13 13-0199 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles <small>(23 37 13 13-0155)</small>		
Note: Aluminum construction.		
23 37 13 13-0200 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	282.31	24.75

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0201 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	322.05	24.75
23 37 13 13-0202 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	388.21	27.50
23 37 13 13-0203 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	458.83	27.50
23 37 13 13-0204 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction.....	589.80	85.94
23 37 13 13-0205 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155)		
Note: Egg crate design, plastic construction.		
23 37 13 13-0206 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	54.67	16.47
23 37 13 13-0207 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	78.76	16.60
23 37 13 13-0208 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155)		
Note: Painted steel louvers and frame.		
23 37 13 13-0209 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	158.03	24.75
23 37 13 13-0210 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	198.41	24.75
23 37 13 13-0211 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	246.98	26.13
23 37 13 13-0212 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	339.72	31.22
23 37 13 13-0213 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	377.27	57.35
23 37 13 13-0214 Stainless Steel Devices (23 37 13 13-0155)		
23 37 13 13-0215 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0214)		
23 37 13 13-0216 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	244.43	21.46
For 316 Stainless Steel, Add	41.74	
23 37 13 13-0217 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille.....	206.35	21.46
For 316 Stainless Steel, Add	34.12	
23 37 13 13-0218 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0214)		
23 37 13 13-0219 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	185.25	21.46
For 316 Stainless Steel, Add	29.90	
23 37 13 13-0220 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille.....	157.56	21.46
For 316 Stainless Steel, Add	24.36	
23 37 13 13-0221 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0214)		
23 37 13 13-0222 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille.....	270.90	21.46
For 316 Stainless Steel, Add	47.03	
23 37 13 13-0223 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille.....	230.93	21.46
For 316 Stainless Steel, Add	39.04	
23 37 13 13-0224 304 Stainless Steel Return Grilles (23 37 13 13-0214)		
23 37 13 13-0225 SF Up To 4 SF, 304 Stainless Steel Return Grille.....	185.25	21.46
For 316 Stainless Steel, Add	29.90	
23 37 13 13-0226 SF >4 SF, 304 Stainless Steel Return Grille.....	157.56	21.46
For 316 Stainless Steel, Add	24.36	
23 37 13 13-0227 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 13-0214)		
23 37 13 13-0228 SF Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	185.25	21.46
For 316 Stainless Steel, Add	29.90	
23 37 13 13-0229 SF >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille.....	157.56	21.46
For 316 Stainless Steel, Add	24.36	
23 37 13 13-0230 304 Stainless Steel, Perforated Return Grilles (23 37 13 13-0214)		
23 37 13 13-0231 SF Up To 4 SF, 304 Stainless Steel, Perforated Return Grille.....	185.25	21.46
For 316 Stainless Steel, Add	29.90	
23 37 13 13-0232 SF >4 SF, 304 Stainless Steel, Perforated Return Grille.....	149.95	21.46
For 316 Stainless Steel, Add	22.84	
23 37 13 13-0233 304 Stainless Steel, Perforated Supply Grilles (23 37 13 13-0214)		
23 37 13 13-0234 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille.....	224.18	21.46
For 316 Stainless Steel, Add	37.69	
23 37 13 13-0235 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille.....	154.00	21.46
For 316 Stainless Steel, Add	23.65	
23 37 13 13-0236 304 Stainless Steel, Door Grilles (23 37 13 13-0214)		
23 37 13 13-0237 SF Up To 4 SF, 304 Stainless Steel, Door Grille.....	334.75	21.46
For 316 Stainless Steel, Add	59.80	
23 37 13 13-0238 SF >4 SF, 304 Stainless Steel, Door Grille.....	279.39	21.46
For 316 Stainless Steel, Add	48.73	
23 37 13 13-0239 304 Stainless Steel, Linear Bar Grilles (23 37 13 13-0214)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0240 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	427.67 78.38	21.46
23 37 13 13-0241 SF >4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	366.24 66.10	21.46
23 37 13 13-0242 304 Stainless Steel, Hinged Filter Grilles (23 37 13 13-0214)		
23 37 13 13-0243 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	314.51 55.75	21.46
23 37 13 13-0244 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	217.62 36.37	21.46
23 37 13 13-0245 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 13-0214)		
23 37 13 13-0246 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille..... <i>For 316 Stainless Steel, Add</i>	169.68 26.79	21.46
23 37 13 13-0247 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF..... <i>For 316 Stainless Steel, Add</i>	129.37 18.72	21.46
23 37 13 13-0248 304 Stainless Steel, Plaster Frames Replacement (23 37 13 13-0214)		
Note: For frequent replacement.		
23 37 13 13-0249 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	132.30 19.31	21.46
23 37 13 13-0250 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	70.53 6.96	21.46
23 37 13 13-0251 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 13-0214)		
23 37 13 13-0252 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	309.84 54.82	21.46
23 37 13 13-0253 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	242.53 41.36	21.46
23 37 13 13-0254 304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 13-0214)		
23 37 13 13-0255 SF Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	108.94 14.64	21.46
23 37 13 13-0256 SF >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	108.94 14.64	21.46
23 37 13 13-0257 Removal And Reinstallation Of Distribution Devices (23 37 13 13)		
Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0258 EA Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	257.44	
23 37 13 13-0259 EA Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	283.94	
23 37 13 13-0260 EA Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	42.56	
23 37 13 13-0261 EA Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	57.63	
23 37 13 43 Security Registers and Grilles (23 37 13)		
23 37 13 43-0001 Security Supply Or Return Grille (23 37 13 43)		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002 EA 8" x 4" Steel Security Grille..... <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	311.03 26.98 98.55 0.35 67.44 350.70	20.63
23 37 13 43-0003 EA 8" x 6" Steel Security Grille..... <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	345.10 30.25 110.13 0.35 75.62 393.21	21.31
23 37 13 43-0004 EA 8" x 8" Steel Security Grille..... <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	395.56 34.74 126.41 0.35 86.86 451.66	24.07
23 37 13 43-0005 EA 10" x 4" Steel Security Grille..... <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	345.13 29.84 109.11 0.35 74.60 387.89	23.38

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37	13 43-0006	EA	10" x 6" Steel Security Grille	368.33	24.75
			<i>For Anchoring Tabs, Add</i>	31.88	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	116.54	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	79.71	
			<i>For Stainless Steel, Add</i>	414.47	
23 37	13 43-0007	EA	10" x 8" Steel Security Grille	421.50	26.81
			<i>For Anchoring Tabs, Add</i>	36.79	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	134.12	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	91.97	
			<i>For Stainless Steel, Add</i>	478.23	
23 37	13 43-0008	EA	10" x 10" Steel Security Grille	470.58	28.88
			<i>For Anchoring Tabs, Add</i>	41.28	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	150.27	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	103.21	
			<i>For Stainless Steel, Add</i>	536.68	
23 37	13 43-0009	EA	12" x 4" Steel Security Grille	362.89	26.13
			<i>For Anchoring Tabs, Add</i>	31.06	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	113.95	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	77.66	
			<i>For Stainless Steel, Add</i>	403.83	
23 37	13 43-0010	EA	12" x 6" Steel Security Grille	405.18	28.88
			<i>For Anchoring Tabs, Add</i>	34.74	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	127.38	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	86.86	
			<i>For Stainless Steel, Add</i>	451.66	
23 37	13 43-0011	EA	12" x 8" Steel Security Grille	462.44	30.94
			<i>For Anchoring Tabs, Add</i>	40.06	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	146.39	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	100.14	
			<i>For Stainless Steel, Add</i>	520.74	
23 37	13 43-0012	EA	12" x 10" Steel Security Grille	503.36	33.01
			<i>For Anchoring Tabs, Add</i>	43.74	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	159.68	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	109.34	
			<i>For Stainless Steel, Add</i>	568.57	
23 37	13 43-0013	EA	12" x 12" Steel Security Grille	556.53	35.06
			<i>For Anchoring Tabs, Add</i>	48.64	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	177.25	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	121.60	
			<i>For Stainless Steel, Add</i>	632.32	
23 37	13 43-0014	EA	14" x 4" Steel Security Grille	387.46	28.19
			<i>For Anchoring Tabs, Add</i>	33.11	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	121.52	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	82.77	
			<i>For Stainless Steel, Add</i>	430.40	
23 37	13 43-0015	EA	14" x 6" Steel Security Grille	436.54	30.25
			<i>For Anchoring Tabs, Add</i>	37.60	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	137.66	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	94.01	
			<i>For Stainless Steel, Add</i>	488.85	
23 37	13 43-0016	EA	14" x 8" Steel Security Grille	487.01	33.01
			<i>For Anchoring Tabs, Add</i>	42.10	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	153.95	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	105.25	
			<i>For Stainless Steel, Add</i>	547.31	
23 37	13 43-0017	EA	14" x 10" Steel Security Grille	549.73	35.75
			<i>For Anchoring Tabs, Add</i>	47.82	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	174.53	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	119.56	
			<i>For Stainless Steel, Add</i>	621.70	
23 37	13 43-0018	EA	14" x 12" Steel Security Grille	605.66	39.19
			<i>For Anchoring Tabs, Add</i>	52.73	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	192.39	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	131.82	
			<i>For Stainless Steel, Add</i>	685.46	
23 37	13 43-0019	EA	14" x 14" Steel Security Grille	652.02	41.94
			<i>For Anchoring Tabs, Add</i>	56.82	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	207.24	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	142.04	
			<i>For Stainless Steel, Add</i>	738.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0020 EA 16" x 6" Steel Security Grille	466.57	33.01
For Anchoring Tabs, Add	40.06	
For Rear Operated Opposed Blade Damper, Add	146.80	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	100.14	
For Stainless Steel, Add	520.74	
23 37 13 43-0021 EA 16" x 8" Steel Security Grille	533.38	35.75
For Anchoring Tabs, Add	46.19	
For Rear Operated Opposed Blade Damper, Add	168.81	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	115.47	
For Stainless Steel, Add	600.44	
23 37 13 43-0022 EA 16" x 10" Steel Security Grille	575.68	38.50
For Anchoring Tabs, Add	49.87	
For Rear Operated Opposed Blade Damper, Add	182.24	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	124.67	
For Stainless Steel, Add	648.27	
23 37 13 43-0023 EA 16" x 12" Steel Security Grille	649.28	40.57
For Anchoring Tabs, Add	56.82	
For Rear Operated Opposed Blade Damper, Add	206.97	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	142.04	
For Stainless Steel, Add	738.60	
23 37 13 43-0024 EA 16" x 14" Steel Security Grille	687.48	43.31
For Anchoring Tabs, Add	60.09	
For Rear Operated Opposed Blade Damper, Add	218.96	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	150.21	
For Stainless Steel, Add	781.11	
23 37 13 43-0025 EA 16" x 16" Steel Security Grille	746.12	46.07
For Anchoring Tabs, Add	65.40	
For Rear Operated Opposed Blade Damper, Add	238.11	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	163.50	
For Stainless Steel, Add	850.19	
23 37 13 43-0026 EA 18" x 6" Steel Security Grille	495.26	37.13
For Anchoring Tabs, Add	42.10	
For Rear Operated Opposed Blade Damper, Add	154.78	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	105.25	
For Stainless Steel, Add	547.31	
23 37 13 43-0027 EA 18" x 8" Steel Security Grille	566.15	39.87
For Anchoring Tabs, Add	48.64	
For Rear Operated Opposed Blade Damper, Add	178.22	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	121.60	
For Stainless Steel, Add	632.32	
23 37 13 43-0028 EA 18" x 10" Steel Security Grille	620.71	42.63
For Anchoring Tabs, Add	53.55	
For Rear Operated Opposed Blade Damper, Add	195.93	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	133.86	
For Stainless Steel, Add	696.09	
23 37 13 43-0029 EA 18" x 12" Steel Security Grille	683.43	45.38
For Anchoring Tabs, Add	59.27	
For Rear Operated Opposed Blade Damper, Add	216.51	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	148.17	
For Stainless Steel, Add	770.48	
23 37 13 43-0030 EA 18" x 14" Steel Security Grille	731.11	44.70
For Anchoring Tabs, Add	64.17	
For Rear Operated Opposed Blade Damper, Add	233.54	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	160.43	
For Stainless Steel, Add	834.25	
23 37 13 43-0031 EA 18" x 16" Steel Security Grille	800.64	46.75
For Anchoring Tabs, Add	70.71	
For Rear Operated Opposed Blade Damper, Add	256.85	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	176.78	
For Stainless Steel, Add	919.27	
23 37 13 43-0032 EA 18" x 18" Steel Security Grille	857.89	48.82
For Anchoring Tabs, Add	76.03	
For Rear Operated Opposed Blade Damper, Add	275.85	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	190.07	
For Stainless Steel, Add	988.34	
23 37 13 43-0033 EA 20" x 6" Steel Security Grille	530.75	40.57
For Anchoring Tabs, Add	44.96	
For Rear Operated Opposed Blade Damper, Add	165.48	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	112.41	
For Stainless Steel, Add	584.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0034	EA		20" x 8" Steel Security Grille	600.31	44.70
			<i>For Anchoring Tabs, Add</i>	51.09	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	187.76	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	127.73	
			<i>For Stainless Steel, Add</i>	664.21	
23 37 13 43-0035	EA		20" x 10" Steel Security Grille	661.66	46.75
			<i>For Anchoring Tabs, Add</i>	56.82	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	208.20	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	142.04	
			<i>For Stainless Steel, Add</i>	738.60	
23 37 13 43-0036	EA		20" x 12" Steel Security Grille	728.47	49.51
			<i>For Anchoring Tabs, Add</i>	62.95	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	230.21	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	157.37	
			<i>For Stainless Steel, Add</i>	818.30	
23 37 13 43-0037	EA		20" x 14" Steel Security Grille	802.07	51.57
			<i>For Anchoring Tabs, Add</i>	69.90	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	254.94	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	174.74	
			<i>For Stainless Steel, Add</i>	908.64	
23 37 13 43-0038	EA		20" x 16" Steel Security Grille	867.51	53.63
			<i>For Anchoring Tabs, Add</i>	76.03	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	276.82	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	190.07	
			<i>For Stainless Steel, Add</i>	988.34	
23 37 13 43-0039	EA		20" x 18" Steel Security Grille	928.87	55.69
			<i>For Anchoring Tabs, Add</i>	81.75	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	297.26	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	204.37	
			<i>For Stainless Steel, Add</i>	1,062.74	
23 37 13 43-0040	EA		20" x 20" Steel Security Grille	1,002.47	57.76
			<i>For Anchoring Tabs, Add</i>	88.70	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	321.99	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	221.74	
			<i>For Stainless Steel, Add</i>	1,153.06	
23 37 13 43-0041	EA		24" x 6" Steel Security Grille	589.42	45.38
			<i>For Anchoring Tabs, Add</i>	49.87	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	183.61	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	124.67	
			<i>For Stainless Steel, Add</i>	648.27	
23 37 13 43-0042	EA		24" x 8" Steel Security Grille	667.15	49.51
			<i>For Anchoring Tabs, Add</i>	56.82	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	208.75	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	142.04	
			<i>For Stainless Steel, Add</i>	738.60	
23 37 13 43-0043	EA		24" x 10" Steel Security Grille	731.21	50.88
			<i>For Anchoring Tabs, Add</i>	62.95	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	230.49	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	157.37	
			<i>For Stainless Steel, Add</i>	818.30	
23 37 13 43-0044	EA		24" x 12" Steel Security Grille	819.87	56.38
			<i>For Anchoring Tabs, Add</i>	70.71	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	258.77	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	176.78	
			<i>For Stainless Steel, Add</i>	919.27	
23 37 13 43-0045	EA		24" x 14" Steel Security Grille	885.31	58.44
			<i>For Anchoring Tabs, Add</i>	76.84	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	280.64	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	192.11	
			<i>For Stainless Steel, Add</i>	998.97	
23 37 13 43-0046	EA		24" x 16" Steel Security Grille	967.09	60.50
			<i>For Anchoring Tabs, Add</i>	84.61	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	308.23	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	211.53	
			<i>For Stainless Steel, Add</i>	1,099.93	
23 37 13 43-0047	EA		24" x 18" Steel Security Grille	1,061.13	62.57
			<i>For Anchoring Tabs, Add</i>	93.60	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	340.12	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	234.01	
			<i>For Stainless Steel, Add</i>	1,216.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0048 EA 24" x 20" Steel Security Grille..... <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	1,126.56 99.73 361.99 0.35 249.33 1,296.53	64.63
23 37 13 43-0049 EA 24" x 24" Steel Security Grille..... <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	1,265.61 112.81 408.59 0.35 282.03 1,466.57	68.75
23 37 13 43-0050 Security Registers And Grilles (23 37 13 43)		
23 37 13 43-0051 Maximum Security Steel Supply / Return Registers (23 37 13 43-0050) Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0052 EA 6" x 6" Maximum Security Supply/ Return Register.....	259.04	15.38
23 37 13 43-0053 EA 9" x 9" Maximum Security Supply/ Return Register.....	375.91	18.30
23 37 13 43-0054 EA 12" x 6" Maximum Security Supply/ Return Register.....	349.66	19.20
23 37 13 43-0055 EA 12" x 8" Maximum Security Supply/ Return Register.....	404.41	22.17
23 37 13 43-0056 EA 10" x 10" Maximum Security Supply/ Return Register.....	379.75	19.20
23 37 13 43-0057 EA 14" x 12" Maximum Security Supply/ Return Register.....	527.04	27.02
23 37 13 43-0058 EA 14" x 14" Maximum Security Supply/ Return Register.....	596.83	29.10
23 37 13 43-0059 EA 18" x 18" Maximum Security Supply/ Return Register.....	800.47	34.58
23 37 13 43-0060 EA 24" x 24" Maximum Security Supply/ Return Registers.....	1,151.06	44.20
23 37 13 43-0061 Staff Security Steel Supply Registers (23 37 13 43-0050) Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0062 EA 6" x 6" Staff Security Supply Register.....	192.83	15.38
23 37 13 43-0063 EA 9" x 9" Staff Security Supply Register.....	249.52	18.30
23 37 13 43-0064 EA 12" x 12" Staff Security Supply Register.....	314.71	24.97
23 37 13 43-0065 EA 15" x 15" Staff Security Supply Register.....	450.21	28.82
23 37 13 43-0066 EA 21" x 21" Staff Security Supply Register.....	643.47	38.44
23 37 13 43-0067 EA 24" x 24" Staff Security Supply Register.....	774.88	44.20
23 37 13 43-0068 Staff Security Steel Return Registers (23 37 13 43-0050) Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0069 EA 10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	247.84	16.63
23 37 13 43-0070 EA 6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	222.93	15.38
23 37 13 43-0071 EA 10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	270.83	17.32
23 37 13 43-0072 EA 12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	275.51	18.71
23 37 13 43-0073 EA 12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	344.22	22.17
23 37 13 43-0074 EA 16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	362.28	22.17
23 37 13 43-0075 EA 16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	404.16	23.00
23 37 13 43-0076 EA 12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	404.99	24.97
23 37 13 43-0077 EA 30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	530.88	27.99
23 37 13 43-0078 EA 14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	451.80	27.02
23 37 13 43-0079 EA 28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	566.74	28.82
23 37 13 43-0080 EA 18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	521.60	28.55
23 37 13 43-0081 Maximum Security Steel Grills (23 37 13 43-0050) Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0082 EA 10" x 4" Maximum Security Grill.....	211.73	16.63
23 37 13 43-0083 EA 6" x 6" Maximum Security Grill.....	192.83	15.38
23 37 13 43-0084 EA 10" x 6" Maximum Security Grill.....	228.70	17.32
23 37 13 43-0085 EA 12" x 5" Maximum Security Grill.....	236.39	18.71
23 37 13 43-0086 EA 12" x 8" Maximum Security Grill.....	281.02	22.17
23 37 13 43-0087 EA 16" x 8" Maximum Security Grill.....	325.91	23.00
23 37 13 43-0088 EA 12" x 12" Maximum Security Grill.....	326.74	24.97
23 37 13 43-0089 EA 14" x 12" Maximum Security Grill.....	355.50	27.02
23 37 13 43-0090 EA 30" x 6" Maximum Security Grill.....	440.59	27.99
23 37 13 43-0091 EA 28" x 8" Maximum Security Grill.....	464.42	28.82
23 37 13 43-0092 EA 18" x 12" Maximum Security Grill.....	422.29	28.55

23 37 23 HVAC Gravity Ventilators (23 37)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



MINOR CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION UNIT COST UNIT COST

23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)

Note: Includes flange base and bird screen. Excludes curb.

Table with columns for CSI, UOM, Description, Total Direct Unit Cost, and Demolition Unit Cost. Lists various throat sizes and materials for gravity intake/relief ventilator hoods.

23 38 Ventilation Hoods (23 30)

23 38 13 Commercial-Kitchen Hoods (23 38)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 38 13 13 Listed Commercial-Kitchen Hoods (23 38 13)

23 38 13 13-0001 Universal Ventless Hood <small>(23 38 13 13)</small>		
23 38 13 13-0002 EA 109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	52,837.14	524.02

23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System <small>(23 38 13 16)</small>		
Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002 Dry Filter Exhaust Hoods <small>(23 38 13 16-0001)</small>		
Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003 EA 8' Long x 60" Deep Dry Filter Exhaust Hood	12,555.53	983.14
23 38 13 16-0004 EA 8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,078.79	1,044.58
23 38 13 16-0005 EA 9' Long x 60" Deep Dry Filter Exhaust Hood	14,589.52	1,106.03
23 38 13 16-0006 EA 9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,030.81	1,167.48
23 38 13 16-0007 EA 10' Long x 60" Deep Dry Filter Exhaust Hood	15,568.60	1,228.93
23 38 13 16-0008 EA 10'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,137.15	1,290.37
23 38 13 16-0009 EA 11' Long x 60" Deep Dry Filter Exhaust Hood	16,675.67	1,351.82
23 38 13 16-0010 EA 11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,230.75	1,413.27
23 38 13 16-0011 EA 12' Long x 60" Deep Dry Filter Exhaust Hood	17,848.69	1,474.70
23 38 13 16-0012 EA 12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,384.14	1,536.15
23 38 13 16-0013 EA 13' Long x 60" Deep Dry Filter Exhaust Hood	18,826.60	1,597.60
23 38 13 16-0014 EA 13'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,574.28	1,659.05
23 38 13 16-0015 EA 14' Long x 60" Deep Dry Filter Exhaust Hood	21,909.63	1,720.49
23 38 13 16-0016 EA 14'-6" Long x 60" Deep Dry Filter Exhaust Hood	22,499.24	1,781.94
23 38 13 16-0017 EA 15' Long x 60" Deep Dry Filter Exhaust Hood	23,301.71	1,843.39
23 38 13 16-0018 EA 15'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,904.70	1,904.84
23 38 13 16-0019 EA 16' Long x 60" Deep Dry Filter Exhaust Hood	24,808.01	1,966.28

23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021 EA 8' Long x 60" Deep Dry Extractor Exhaust Hood	17,595.67	983.14
23 38 13 16-0022 EA 8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,150.83	1,044.58
23 38 13 16-0023 EA 9' Long x 60" Deep Dry Extractor Exhaust Hood	19,757.26	1,106.03
23 38 13 16-0024 EA 9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,326.15	1,167.48
23 38 13 16-0025 EA 10' Long x 60" Deep Dry Extractor Exhaust Hood	20,895.84	1,228.93
23 38 13 16-0026 EA 10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,432.49	1,290.37
23 38 13 16-0027 EA 11' Long x 60" Deep Dry Extractor Exhaust Hood	22,002.91	1,351.82
23 38 13 16-0028 EA 11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,542.04	1,413.27
23 38 13 16-0029 EA 12' Long x 60" Deep Dry Extractor Exhaust Hood	23,048.33	1,474.70
23 38 13 16-0030 EA 12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,775.18	1,536.15
23 38 13 16-0031 EA 13' Long x 60" Deep Dry Extractor Exhaust Hood	24,616.39	1,597.60
23 38 13 16-0032 EA 13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	25,507.61	1,659.05
23 38 13 16-0033 EA 14' Long x 60" Deep Dry Extractor Exhaust Hood	27,380.42	1,720.49
23 38 13 16-0034 EA 14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	28,289.02	1,781.94
23 38 13 16-0035 EA 15' Long x 60" Deep Dry Extractor Exhaust Hood	30,064.43	1,843.39
23 38 13 16-0036 EA 15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	31,863.66	1,904.84
23 38 13 16-0037 EA 16' Long x 60" Deep Dry Extractor Exhaust Hood	33,644.21	1,966.28

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039 EA 8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	18,871.66	983.14
23 38 13 16-0040 EA 8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,458.71	1,044.58
23 38 13 16-0041 EA 9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,097.05	1,106.03
23 38 13 16-0042 EA 9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,681.88	1,167.48
23 38 13 16-0043 EA 10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,299.43	1,228.93
23 38 13 16-0044 EA 10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,867.97	1,290.37
23 38 13 16-0045 EA 11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,454.35	1,351.82
23 38 13 16-0046 EA 11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,041.32	1,413.27
23 38 13 16-0047 EA 12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,563.57	1,474.70
23 38 13 16-0048 EA 12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,354.21	1,536.15
23 38 13 16-0049 EA 13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,259.22	1,597.60
23 38 13 16-0050 EA 13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,214.24	1,659.05
23 38 13 16-0051 EA 14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	29,150.85	1,720.49
23 38 13 16-0052 EA 14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,123.25	1,781.94
23 38 13 16-0053 EA 15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	32,074.11	1,843.39
23 38 13 16-0054 EA 15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,043.95	1,904.84
23 38 13 16-0055 EA 16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,011.06	1,966.28
23 38 13 16-0056 EA Fan Wash Control Panel	13,547.38	491.57

Note: Includes time clock and backflow preventer.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 38 Ventilation Hoods**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 38 13 16-0057		Utility Distribution System (UDS) <small>(23 38 13 16-0001)</small>		
Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.				
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS).....	34,839.00	499.93
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS).....	35,867.08	512.09
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS).....	36,883.93	524.02
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS).....	37,910.51	540.73
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS).....	38,930.15	554.00
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS).....	39,940.34	568.01
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS).....	40,963.60	577.72
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS).....	41,987.04	592.96
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS).....	43,023.22	614.46
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS).....	44,074.78	643.71
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS).....	45,105.69	662.64
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS).....	46,152.84	689.67
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS).....	47,189.45	711.43
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS).....	48,228.88	734.65
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS).....	49,271.47	759.47
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS).....	50,317.49	785.90
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS).....	51,347.96	804.70

23 38 13 16-0075		Stainless Steel Exhaust Hood Material <small>(23 38 13 16)</small>		
Note: Welded seams.				
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	51.68	17.46
For Type 316 Stainless Steel, Add			1.55	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	64.61	23.28
For Type 316 Stainless Steel, Add			1.93	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	89.72	31.43
For Type 316 Stainless Steel, Add			2.70	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	112.37	38.41
For Type 316 Stainless Steel, Add			3.48	

23 38 13 16-0080		Kitchen Exhaust Hood <small>(23 38 13 16)</small>		
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048).....	11,327.48	2,533.43
Note: Ductwork connections by others.				
For Type 316 Stainless Steel, Add			626.06	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848).....	10,314.10	2,026.75
Note: Ductwork connections by others.				
For Type 316 Stainless Steel, Add			626.06	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448).....	5,594.09	1,013.38
Note: Ductwork connections by others.				
For Type 316 Stainless Steel, Add			356.73	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648).....	7,218.82	1,520.06
Note: Ductwork connections by others.				
For Type 316 Stainless Steel, Add			417.87	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548).....	6,497.32	1,266.72
Note: Ductwork connections by others.				
For Type 316 Stainless Steel, Add			396.39	

23 40 HVAC Air Cleaning Devices (23)**23 41 Particulate Air Filtration (23 40)****23 41 13 Panel Air Filters (23 41)**

23 41 13 00-0001		Disposable Air Filters <small>(23 41 13)</small>		
23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential.....		14.31

23 41 13 00-0003		Disposable Fiberglass Air Filters <small>(23 41 13)</small>		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.40	6.60
Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.40	6.60
Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.12	6.60
Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.07	6.91
Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.07	6.91
Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.07	6.91
Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.07	6.91
Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.30	6.91
Note: One-piece kraft fiberboard frame with two metal grids.				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0012 EA 12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.84	7.22
23 41 13 00-0013 EA 12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.82	7.22
23 41 13 00-0014 EA 12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.16	7.22
23 41 13 00-0015 EA 12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.16	7.22
23 41 13 00-0016 EA 12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.16	7.22
23 41 13 00-0017 EA 12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.71	7.22
23 41 13 00-0018 EA 12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.63	7.22
23 41 13 00-0019 EA 14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.97	7.64
23 41 13 00-0020 EA 14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.41	7.64
23 41 13 00-0021 EA 14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.04	7.64
23 41 13 00-0022 EA 14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.97	7.64
23 41 13 00-0023 EA 14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.04	7.64
23 41 13 00-0024 EA 14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.85	7.64
23 41 13 00-0025 EA 15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.22	7.84
23 41 13 00-0026 EA 15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.22	7.84
23 41 13 00-0027 EA 15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.48	7.84
23 41 13 00-0028 EA 16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.39	7.94
23 41 13 00-0029 EA 16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.98	7.94
23 41 13 00-0030 EA 16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.45	7.94
23 41 13 00-0031 EA 16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.38	7.94
23 41 13 00-0032 EA 16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.84	7.94
23 41 13 00-0033 EA 16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.64	7.94
23 41 13 00-0034 EA 16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.18	7.94
23 41 13 00-0035 EA 16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.89	7.94
23 41 13 00-0036 EA 18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.80	8.25
23 41 13 00-0037 EA 18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.44	8.25
23 41 13 00-0038 EA 18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.80	8.25
23 41 13 00-0039 EA 18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.04	8.25
23 41 13 00-0040 EA 18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.83	8.25
23 41 13 00-0041 EA 18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.89	8.25
23 41 13 00-0042 EA 19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.64	8.66
23 41 13 00-0043 EA 20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.78	8.66
23 41 13 00-0044 EA 20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.01	8.66
23 41 13 00-0045 EA 20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.25	8.66
23 41 13 00-0046 EA 20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.78	8.66
23 41 13 00-0047 EA 20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.14	8.66
23 41 13 00-0048 EA 20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	21.85	8.66
23 41 13 00-0049 EA 21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.96	8.77
23 41 13 00-0050 EA 22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.15	8.87
23 41 13 00-0051 EA 24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.29	8.98
23 41 13 00-0052 EA 24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.91	8.98
23 41 13 00-0053 EA 24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.27	8.98

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41	13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.43	9.08
23 41	13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.79	9.08
23 41	13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.99	6.91
23 41	13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.93	6.91
23 41	13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.31	7.22
23 41	13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.87	7.64
23 41	13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.87	7.64
23 41	13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.25	7.84
23 41	13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.16	7.94
23 41	13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.00	7.94
23 41	13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.39	7.94
23 41	13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.49	8.25
23 41	13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.14	8.66
23 41	13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.87	8.66
23 41	13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.87	8.66
23 41	13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.56	8.98
23 41	13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.70	9.08
23 41	13 00-0071		Disposable Pleated Air Filters <small>(23 41 13)</small>		
23 41	13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	15.14	6.91
23 41	13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	22.14	6.91
23 41	13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.66	6.91
23 41	13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8.....	19.32	7.22
23 41	13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	18.02	7.22
23 41	13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	17.81	7.22
23 41	13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	17.81	7.22
23 41	13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	28.07	7.22
23 41	13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8.....	21.82	7.64
23 41	13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	18.58	7.64
23 41	13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	23.47	7.64
23 41	13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	19.17	7.64
23 41	13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.15	7.64
23 41	13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	18.97	7.84
23 41	13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8.....	22.23	7.94
23 41	13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	18.72	7.94
23 41	13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	21.67	7.94
23 41	13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	19.38	7.94
23 41	13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.56	7.94
23 41	13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8.....	29.46	8.25
23 41	13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	22.05	8.25
23 41	13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	21.69	8.25
23 41	13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	21.43	8.25
23 41	13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	29.63	8.25
23 41	13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	20.45	8.66
23 41	13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	21.79	8.66
23 41	13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	21.56	8.66
23 41	13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	24.25	8.66
23 41	13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8.....	29.28	8.87
23 41	13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	23.18	8.98
23 41	13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	35.88	8.98
23 41	13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	24.48	9.08
23 41	13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	17.74	6.91
23 41	13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8.....	22.95	7.22
23 41	13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	18.59	7.22
23 41	13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	18.32	7.22
23 41	13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	19.38	7.64
23 41	13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	20.19	7.64
23 41	13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	19.65	7.84
23 41	13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8.....	24.49	7.94
23 41	13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	19.29	7.94
23 41	13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	21.88	7.94
23 41	13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	20.33	7.94
23 41	13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8.....	28.18	8.25
23 41	13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	24.18	8.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0117 EA 18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.05	8.25
23 41 13 00-0118 EA 18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.87	8.25
23 41 13 00-0119 EA 20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	21.49	8.66
23 41 13 00-0120 EA 20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.97	8.66
23 41 13 00-0121 EA 20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.71	8.66
23 41 13 00-0122 EA 20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	32.36	8.66
23 41 13 00-0123 EA 24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	24.32	8.98
23 41 13 00-0124 EA 25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	26.78	9.08
23 41 13 00-0125 EA 12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	27.66	7.22
23 41 13 00-0126 EA 16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	29.92	7.94
23 41 13 00-0127 EA 16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	31.93	7.94
23 41 13 00-0128 EA 18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.41	8.25
23 41 13 00-0129 EA 20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	32.78	8.66
23 41 13 00-0130 EA 20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.59	8.66
23 41 13 00-0131 EA 20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	35.84	8.66
23 41 13 00-0132 EA 24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	39.08	8.98
23 41 13 00-0133 EA 10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.20	6.91
23 41 13 00-0134 EA 10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.20	6.91
23 41 13 00-0135 EA 10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.46	6.91
23 41 13 00-0136 EA 12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	26.70	7.22
23 41 13 00-0137 EA 12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.05	7.22
23 41 13 00-0138 EA 12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.94	7.22
23 41 13 00-0139 EA 12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.75	7.22
23 41 13 00-0140 EA 14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	30.28	7.64
23 41 13 00-0141 EA 14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.77	7.64
23 41 13 00-0142 EA 14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	34.33	7.64
23 41 13 00-0143 EA 14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.59	7.64
23 41 13 00-0144 EA 14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.29	7.64
23 41 13 00-0145 EA 15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.75	7.84
23 41 13 00-0146 EA 16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	36.13	7.94
23 41 13 00-0147 EA 16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.13	7.94
23 41 13 00-0148 EA 16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.86	7.94
23 41 13 00-0149 EA 16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	28.43	7.94
23 41 13 00-0150 EA 16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.26	7.94
23 41 13 00-0151 EA 18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	38.14	8.25
23 41 13 00-0152 EA 18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	32.51	8.25
23 41 13 00-0153 EA 18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.40	8.25
23 41 13 00-0154 EA 18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.28	8.25
23 41 13 00-0155 EA 18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	42.98	8.25
23 41 13 00-0156 EA 20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	29.56	8.66
23 41 13 00-0157 EA 20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.35	8.66
23 41 13 00-0158 EA 20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.64	8.66
23 41 13 00-0159 EA 20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.83	8.66
23 41 13 00-0160 EA 22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	41.79	8.67
23 41 13 00-0161 EA 24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.37	8.98
23 41 13 00-0162 EA 24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	45.53	8.98
23 41 13 00-0163 EA 25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	39.69	9.08
23 41 13 00-0164 EA 10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.64	6.91
23 41 13 00-0165 EA 12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	26.98	7.22
23 41 13 00-0166 EA 12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.69	7.22
23 41 13 00-0167 EA 12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	30.02	7.22
23 41 13 00-0168 EA 14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.07	7.64
23 41 13 00-0169 EA 14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	28.32	7.64
23 41 13 00-0170 EA 15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.80	7.84
23 41 13 00-0171 EA 16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	36.87	7.94
23 41 13 00-0172 EA 16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	32.23	7.94
23 41 13 00-0173 EA 16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.44	7.94
23 41 13 00-0174 EA 16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.47	7.94
23 41 13 00-0175 EA 18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	42.37	8.25
23 41 13 00-0176 EA 18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.83	8.25
23 41 13 00-0177 EA 18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	38.45	8.25
23 41 13 00-0178 EA 18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	33.46	8.25
23 41 13 00-0179 EA 20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	37.03	8.66
23 41 13 00-0180 EA 20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.60	8.66
23 41 13 00-0181 EA 20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	39.98	8.66
23 41 13 00-0182 EA 24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.01	8.98
23 41 13 00-0183 EA 25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	40.53	9.08
23 41 13 00-0184 EA 12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	48.23	7.22
23 41 13 00-0185 EA 16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	49.48	7.94
23 41 13 00-0186 EA 16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	58.72	7.94
23 41 13 00-0187 EA 18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	58.69	8.25
23 41 13 00-0188 EA 20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	58.51	8.66
23 41 13 00-0189 EA 20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	64.32	8.66
23 41 13 00-0190 EA 20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	64.32	8.66
23 41 13 00-0191 EA 24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	71.69	8.98
23 41 13 00-0192 EA 8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.86	6.60
23 41 13 00-0193 EA 8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.86	6.60
23 41 13 00-0194 EA 8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.86	6.60
23 41 13 00-0195 EA 10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.27	6.91
23 41 13 00-0196 EA 10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.91	6.91
23 41 13 00-0197 EA 10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.27	6.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41	13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.27	6.91
23 41	13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.27	6.91
23 41	13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.32	7.22
23 41	13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.68	7.22
23 41	13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.32	7.22
23 41	13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.32	7.22
23 41	13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.68	7.22
23 41	13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.68	7.22
23 41	13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.04	7.22
23 41	13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.88	7.64
23 41	13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.24	7.64
23 41	13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.88	7.64
23 41	13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.88	7.64
23 41	13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	31.88	7.64
23 41	13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.24	7.64
23 41	13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.15	7.84
23 41	13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.51	7.84
23 41	13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.51	7.84
23 41	13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.29	7.94
23 41	13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.65	7.94
23 41	13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.29	7.94
23 41	13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.29	7.94
23 41	13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.29	7.94
23 41	13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.65	7.94
23 41	13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.65	7.94
23 41	13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.06	7.94
23 41	13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.71	8.25
23 41	13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.43	8.25
23 41	13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	32.71	8.25
23 41	13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.43	8.25
23 41	13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.43	8.25
23 41	13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	38.48	8.25
23 41	13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	35.97	8.66
23 41	13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.25	8.66
23 41	13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.25	8.66
23 41	13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	33.25	8.66
23 41	13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.61	8.66
23 41	13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.02	8.66
23 41	13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	39.02	8.66
23 41	13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	36.11	8.77
23 41	13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	34.88	8.87
23 41	13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.73	8.98
23 41	13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.73	8.98
23 41	13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	42.14	8.98
23 41	13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	37.87	9.08
23 41	13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	42.28	9.08
23 41	13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13.....	42.56	9.28
23 41	13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)		
23 41	13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter.....	946.60	20.63
23 41	13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)		
23 41	13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar.....	70.60	
23 41	13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar.....	68.19	
23 41	13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar.....	2.94	
23 41	16		Renewable-Media Air Filters (23 41)		
23 41	16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)		
23 41	16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	121.49	
23 41	19		Washable Air Filters (23 41)		
23 41	19 00-0001		Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)		
23 41	19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar.....	46.39	
23 41	33		High-Efficiency Particulate Filtration (23 41)		
23 41	33 00-0001		High Efficiency Particulate Air (HEPA) Filters (23 41 33) Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.		
23 41	33 00-0002		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0003 EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	130.51	19.26
<i>For Removal And Replacement In Existing Equipment, Add</i>	3.85	
<i>For >10 To 25, Deduct</i>	-3.26	
<i>For >25 To 50, Deduct</i>	-6.53	
<i>For >50 To 100, Deduct</i>	-9.79	
<i>For >100, Deduct</i>	-13.05	
23 41 33 00-0004 EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	172.43	22.00
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.40	
<i>For >10 To 25, Deduct</i>	-4.31	
<i>For >25 To 50, Deduct</i>	-8.62	
<i>For >50 To 100, Deduct</i>	-12.93	
<i>For >100, Deduct</i>	-17.24	
23 41 33 00-0005 EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	201.72	25.44
<i>For Removal And Replacement In Existing Equipment, Add</i>	5.09	
<i>For >10 To 25, Deduct</i>	-5.04	
<i>For >25 To 50, Deduct</i>	-10.09	
<i>For >50 To 100, Deduct</i>	-15.13	
<i>For >100, Deduct</i>	-20.17	
23 41 33 00-0006 EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	231.04	28.88
<i>For Removal And Replacement In Existing Equipment, Add</i>	5.78	
<i>For >10 To 25, Deduct</i>	-5.78	
<i>For >25 To 50, Deduct</i>	-11.55	
<i>For >50 To 100, Deduct</i>	-17.33	
<i>For >100, Deduct</i>	-23.10	
23 41 33 00-0007 EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	158.16	20.63
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.13	
<i>For >10 To 25, Deduct</i>	-3.95	
<i>For >25 To 50, Deduct</i>	-7.91	
<i>For >50 To 100, Deduct</i>	-11.86	
<i>For >100, Deduct</i>	-15.82	
23 41 33 00-0008 EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	211.29	24.07
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.81	
<i>For >10 To 25, Deduct</i>	-5.28	
<i>For >25 To 50, Deduct</i>	-10.56	
<i>For >50 To 100, Deduct</i>	-15.85	
<i>For >100, Deduct</i>	-21.13	
23 41 33 00-0009 EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	252.18	27.50
<i>For Removal And Replacement In Existing Equipment, Add</i>	5.50	
<i>For >10 To 25, Deduct</i>	-6.30	
<i>For >25 To 50, Deduct</i>	-12.61	
<i>For >50 To 100, Deduct</i>	-18.91	
<i>For >100, Deduct</i>	-25.22	
23 41 33 00-0010 EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	299.92	34.38
<i>For Removal And Replacement In Existing Equipment, Add</i>	6.88	
<i>For >10 To 25, Deduct</i>	-7.50	
<i>For >25 To 50, Deduct</i>	-15.00	
<i>For >50 To 100, Deduct</i>	-22.49	
<i>For >100, Deduct</i>	-29.99	
23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99%^(23 41 33 00-0001)		
23 41 33 00-0012 EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	112.03	17.19
<i>For Removal And Replacement In Existing Equipment, Add</i>	3.44	
<i>For >10 To 25, Deduct</i>	-2.80	
<i>For >25 To 50, Deduct</i>	-5.60	
<i>For >50 To 100, Deduct</i>	-8.40	
<i>For >100, Deduct</i>	-11.20	
23 41 33 00-0013 EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	154.09	20.63
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.13	
<i>For >10 To 25, Deduct</i>	-3.85	
<i>For >25 To 50, Deduct</i>	-7.70	
<i>For >50 To 100, Deduct</i>	-11.56	
<i>For >100, Deduct</i>	-15.41	
23 41 33 00-0014 EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	233.52	24.07
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.81	
<i>For >10 To 25, Deduct</i>	-5.84	
<i>For >25 To 50, Deduct</i>	-11.68	
<i>For >50 To 100, Deduct</i>	-17.51	
<i>For >100, Deduct</i>	-23.35	
23 41 33 00-0015 EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	299.21	27.50
<i>For Removal And Replacement In Existing Equipment, Add</i>	5.50	
<i>For >10 To 25, Deduct</i>	-7.48	
<i>For >25 To 50, Deduct</i>	-14.96	
<i>For >50 To 100, Deduct</i>	-22.44	
<i>For >100, Deduct</i>	-29.92	
23 41 33 00-0016 EA 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	105.08	13.75
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.75	
<i>For >10 To 25, Deduct</i>	-2.63	
<i>For >25 To 50, Deduct</i>	-5.25	
<i>For >50 To 100, Deduct</i>	-7.88	
<i>For >100, Deduct</i>	-10.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0017	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	139.37	18.56
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.71	
			<i>For >10 To 25, Deduct</i>	-3.48	
			<i>For >25 To 50, Deduct</i>	-6.97	
			<i>For >50 To 100, Deduct</i>	-10.45	
			<i>For >100, Deduct</i>	-13.94	
23 41 33 00-0018	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	186.70	22.00
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.40	
			<i>For >10 To 25, Deduct</i>	-4.67	
			<i>For >25 To 50, Deduct</i>	-9.34	
			<i>For >50 To 100, Deduct</i>	-14.00	
			<i>For >100, Deduct</i>	-18.67	
23 41 33 00-0019	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	219.18	25.78
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.16	
			<i>For >10 To 25, Deduct</i>	-5.48	
			<i>For >25 To 50, Deduct</i>	-10.96	
			<i>For >50 To 100, Deduct</i>	-16.44	
			<i>For >100, Deduct</i>	-21.92	
23 41 33 00-0020	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	250.29	28.88
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.78	
			<i>For >10 To 25, Deduct</i>	-6.26	
			<i>For >25 To 50, Deduct</i>	-12.51	
			<i>For >50 To 100, Deduct</i>	-18.77	
			<i>For >100, Deduct</i>	-25.03	
23 41 33 00-0021	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	171.14	20.63
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.13	
			<i>For >10 To 25, Deduct</i>	-4.28	
			<i>For >25 To 50, Deduct</i>	-8.56	
			<i>For >50 To 100, Deduct</i>	-12.84	
			<i>For >100, Deduct</i>	-17.11	
23 41 33 00-0022	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	229.43	24.07
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.81	
			<i>For >10 To 25, Deduct</i>	-5.74	
			<i>For >25 To 50, Deduct</i>	-11.47	
			<i>For >50 To 100, Deduct</i>	-17.21	
			<i>For >100, Deduct</i>	-22.94	
23 41 33 00-0023	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	274.08	27.50
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.50	
			<i>For >10 To 25, Deduct</i>	-6.85	
			<i>For >25 To 50, Deduct</i>	-13.70	
			<i>For >50 To 100, Deduct</i>	-20.56	
			<i>For >100, Deduct</i>	-27.41	
23 41 33 00-0024	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	337.83	34.38
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.88	
			<i>For >10 To 25, Deduct</i>	-8.45	
			<i>For >25 To 50, Deduct</i>	-16.89	
			<i>For >50 To 100, Deduct</i>	-25.34	
			<i>For >100, Deduct</i>	-33.78	
23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal ^(23 41 33)					
Note: Nominal sizes.					
23 41 33 00-0026	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	335.75	102.61
23 41 33 00-0027	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	630.09	203.94
23 41 33 00-0028	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	638.96	203.94
23 41 33 00-0029	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	644.87	203.94
23 41 33 00-0030	EA		24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	686.27	203.94
23 41 33 00-0031	EA		24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	738.02	203.94
23 41 33 00-0032	EA		48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,224.69	409.15
23 41 33 00-0033	EA		48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,350.36	409.15
23 41 33 00-0034	EA		48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,510.04	409.15
23 41 33 00-0035	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	360.88	102.61
23 41 33 00-0036	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	672.96	203.94
23 41 33 00-0037	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	683.31	203.94
23 41 33 00-0038	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	690.71	203.94
23 41 33 00-0039	EA		24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	739.50	203.94
23 41 33 00-0040	EA		24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	804.55	203.94
23 41 33 00-0041	EA		48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,328.18	409.15
23 41 33 00-0042	EA		48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,484.91	409.15
23 41 33 00-0043	EA		48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,683.03	409.15
23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency ^(23 41 33)					
23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	310.10	133.01
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	351.47	133.01
23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency ^(23 41 33)					
23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	305.35	133.01
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	335.87	133.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 42 Gas-Phase Air Filtration (23 40)**23 42 13 Activated-Carbon Air Filtration** (23 42)

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	47.04	10.31
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	47.55	10.31
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	47.87	10.31
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	47.87	10.31
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	51.75	10.31
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	58.12	10.31
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	59.20	11.69
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	59.63	11.69
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	60.00	11.69
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	60.00	11.69
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	64.29	11.69
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	76.24	11.69
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	29.30	10.31
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	31.14	10.31
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	31.21	10.31
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	33.62	10.31
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	35.77	10.31
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	33.89	11.69
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	37.10	11.69
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	37.78	11.69
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	41.77	11.69
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	44.31	11.69
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	71.92	12.38

23 43 Electronic Air Cleaners (23 40)**23 43 23 Self-Contained Electronic Air Cleaners** (23 43)**23 43 23 00-0001 Stationary Floor, Room Air Purifier** (23 43 23)

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M).....	1,130.36	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L).....	1,573.52	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL).....	3,979.22	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact).....	891.39	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine).....	1,603.61	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial).....	6,351.71	

23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067).....	2,900.43	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064).....	4,045.43	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S).....	4,628.74	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24).....	3,753.25	
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23 50 Central Heating Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks (23 50)**23 51 13 Draft Control Devices** (23 51)**23 51 13 13 Draft-Induction Fans** (23 51 13)**23 51 13 13-0001 Vertical Discharge Fans** (23 51 13 13)

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,757.92	278.68
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,260.40	304.01
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,114.39	335.69
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,684.43	389.52

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,517.80	304.01
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,509.87	335.69
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,155.20	392.69
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,473.93	440.19

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor.....	528.89	95.00
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23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 13 16 Vent Dampers (23 51 13)

23 51 13 16-0001	Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)		
23 51 13 16-0002	EA 3" Round Flue Shutter Draft Control Damper.....	1,021.98	56.25
23 51 13 16-0003	EA 4" Round Flue Shutter Draft Control Damper.....	1,120.46	59.66
23 51 13 16-0004	EA 5" Round Flue Shutter Draft Control Damper.....	1,236.85	63.33
23 51 13 16-0005	EA 6" Round Flue Shutter Draft Control Damper.....	1,321.44	67.54
23 51 13 16-0006	EA 7" Round Flue Shutter Draft Control Damper.....	1,442.66	72.36
23 51 13 16-0007	EA 8" Round Flue Shutter Draft Control Damper.....	1,532.62	77.90
23 51 13 16-0008	EA 10" Round Flue Shutter Draft Control Damper.....	1,694.39	84.46
23 51 13 16-0009	EA 12" Round Flue Shutter Draft Control Damper.....	1,860.52	92.12
23 51 13 16-0010	EA 14" Round Flue Shutter Draft Control Damper.....	2,082.33	96.59
23 51 13 16-0011	EA 16" Round Flue Shutter Draft Control Damper.....	2,236.85	101.33
23 51 13 16-0012	EA 18" Round Flue Shutter Draft Control Damper.....	2,443.63	106.40
23 51 13 16-0013	EA 20" Round Flue Shutter Draft Control Damper.....	2,895.18	168.47
23 51 13 16-0014	EA 22" Round Flue Shutter Draft Control Damper.....	3,174.47	178.92
23 51 13 16-0015	EA 24" Round Flue Shutter Draft Control Damper.....	3,439.52	190.01
23 51 13 16-0016	EA 26" Round Flue Shutter Draft Control Damper.....	3,498.42	196.34
23 51 13 16-0017	EA 28" Round Flue Shutter Draft Control Damper.....	3,608.61	202.68
23 51 13 16-0018	EA 30" Round Flue Shutter Draft Control Damper.....	3,710.20	215.34
23 51 13 16-0019	EA 32" Round Flue Shutter Draft Control Damper.....	3,871.44	221.53
23 51 13 16-0020	EA 34" Round Flue Shutter Draft Control Damper.....	4,040.31	234.20
23 51 13 16-0021	EA 36" Round Flue Shutter Draft Control Damper.....	4,235.29	253.34
23 51 13 16-0022	EA 38" Round Flue Shutter Draft Control Damper.....	4,449.08	262.04
23 51 13 16-0023	EA 40" Round Flue Shutter Draft Control Damper.....	4,645.74	266.01
23 51 13 16-0024	EA 42" Round Flue Shutter Draft Control Damper.....	4,873.87	278.68
23 51 13 16-0025	EA 44" Round Flue Shutter Draft Control Damper.....	5,103.31	291.34
23 51 13 16-0026	EA 46" Round Flue Shutter Draft Control Damper.....	5,333.38	304.01
23 51 13 16-0027	EA 48" Round Flue Shutter Draft Control Damper.....	5,562.49	316.68

23 51 13 19 Barometric Dampers (23 51 13)

23 51 13 19-0001	Barometric Dampers (23 51 13 19)		
23 51 13 19-0002	EA 6" x 6" Barometric Damper.....	467.91	10.98
23 51 13 19-0003	EA 12" x 12" Barometric Damper.....	676.60	15.11
23 51 13 19-0004	EA 18" x 18" Barometric Damper.....	907.87	23.34
23 51 13 19-0005	EA 24" x 24" Barometric Damper.....	1,091.46	43.94
23 51 13 19-0006	EA 6" Diameter Barometric Damper.....	231.37	10.98
	<i>For Stainless Steel, Add</i>	245.39	
23 51 13 19-0007	EA 7" Diameter Barometric Damper.....	273.69	12.36
	<i>For Stainless Steel, Add</i>	291.54	
23 51 13 19-0008	EA 8" Diameter Barometric Damper.....	317.55	13.73
	<i>For Stainless Steel, Add</i>	338.10	
23 51 13 19-0009	EA 9" Diameter Barometric Damper.....	389.87	13.73
	<i>For Stainless Steel, Add</i>	428.29	
23 51 13 19-0010	EA 10" Diameter Barometric Damper.....	512.21	16.48
	<i>For Stainless Steel, Add</i>	583.49	
23 51 13 19-0011	EA 12" Diameter Barometric Damper.....	649.49	17.85
	<i>For Stainless Steel, Add</i>	752.54	
23 51 13 19-0012	EA 14" Diameter Barometric Damper.....	815.51	19.22
	<i>For Stainless Steel, Add</i>	959.76	
23 51 13 19-0013	EA 15" Diameter Barometric Damper.....	972.58	20.60
	<i>For Stainless Steel, Add</i>	1,153.57	
23 51 13 19-0014	EA 16" Diameter Barometric Damper.....	1,127.64	23.34
	<i>For Stainless Steel, Add</i>	1,346.94	
23 51 13 19-0015	EA 18" Diameter Barometric Damper.....	1,483.13	24.71
	<i>For Stainless Steel, Add</i>	1,799.56	
23 51 13 19-0016	EA 20" Diameter Barometric Damper.....	1,764.39	27.46
	<i>For Stainless Steel, Add</i>	2,154.02	
23 51 13 19-0017	EA 24" Diameter Barometric Damper.....	2,125.83	27.46
	<i>For Stainless Steel, Add</i>	2,617.54	
23 51 13 19-0018	EA 30" Diameter Barometric Damper.....	2,619.46	31.58
	<i>For Stainless Steel, Add</i>	3,244.66	
23 51 13 19-0019	EA 36" Diameter Barometric Damper.....	3,339.08	32.95
	<i>For Stainless Steel, Add</i>	4,171.70	

23 51 16 Fabricated Breechings and Accessories (23 51)

23 51 16 00-0001	Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0002	Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)		
23 51 16 00-0003	LF 3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	35.12	11.28
	Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
	<i>For Aluminum Liner, Add</i>	0.39	
	<i>For 304 Stainless Steel Liner, Add</i>	0.53	
	<i>For 2" Wall Instead Of 1", Add</i>	4.91	
	<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0004 LF 4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	37.64	11.90
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	0.47	
For 304 Stainless Steel Liner, Add	0.64	
For 2" Wall Instead Of 1", Add	5.48	
For 3" To 4" Wall Instead Of 1", Add	9.67	
23 51 16 00-0005 LF 5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.51	12.67
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	0.56	
For 304 Stainless Steel Liner, Add	0.76	
For 2" Wall Instead Of 1", Add	6.19	
For 3" To 4" Wall Instead Of 1", Add	10.84	
23 51 16 00-0006 LF 6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	45.21	13.55
Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	0.65	
For 304 Stainless Steel Liner, Add	0.89	
For 2" Wall Instead Of 1", Add	6.88	
For 3" To 4" Wall Instead Of 1", Add	11.99	
23 51 16 00-0007 LF 7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	52.82	14.44
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	0.96	
For 304 Stainless Steel Liner, Add	1.31	
For 2" Wall Instead Of 1", Add	8.76	
For 3" To 4" Wall Instead Of 1", Add	14.91	
23 51 16 00-0008 LF 8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	58.70	15.58
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	1.07	
For 304 Stainless Steel Liner, Add	1.45	
For 2" Wall Instead Of 1", Add	9.74	
For 3" To 4" Wall Instead Of 1", Add	16.58	
23 51 16 00-0009 LF 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	83.43	16.72
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	2.25	
For 304 Stainless Steel Liner, Add	3.07	
For 2" Wall Instead Of 1", Add	16.53	
For 3" To 4" Wall Instead Of 1", Add	26.91	
23 51 16 00-0010 LF 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	101.00	18.50
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	3.02	
For 304 Stainless Steel Liner, Add	4.12	
For 2" Wall Instead Of 1", Add	21.08	
For 3" To 4" Wall Instead Of 1", Add	33.92	
23 51 16 00-0011 LF 14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	140.43	19.25
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	5.07	
For 304 Stainless Steel Liner, Add	6.91	
For 2" Wall Instead Of 1", Add	32.48	
For 3" To 4" Wall Instead Of 1", Add	51.13	
23 51 16 00-0012 LF 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	174.71	20.26
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	6.83	
For 304 Stainless Steel Liner, Add	9.32	
For 2" Wall Instead Of 1", Add	42.33	
For 3" To 4" Wall Instead Of 1", Add	66.01	
23 51 16 00-0013 LF 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	214.27	21.28
Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	8.83	
For 304 Stainless Steel Liner, Add	12.04	
For 2" Wall Instead Of 1", Add	53.53	
For 3" To 4" Wall Instead Of 1", Add	82.98	
23 51 16 00-0014 LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	273.99	33.82
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	10.48	
For 304 Stainless Steel Liner, Add	14.29	
For 2" Wall Instead Of 1", Add	65.51	
For 3" To 4" Wall Instead Of 1", Add	102.44	
23 51 16 00-0015 LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	330.41	35.72
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	13.21	
For 304 Stainless Steel Liner, Add	18.02	
For 2" Wall Instead Of 1", Add	81.09	
For 3" To 4" Wall Instead Of 1", Add	126.15	
23 51 16 00-0016 LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	391.95	38.00
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	16.29	
For 304 Stainless Steel Liner, Add	22.21	
For 2" Wall Instead Of 1", Add	98.43	
For 3" To 4" Wall Instead Of 1", Add	152.44	
23 51 16 00-0017 LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	454.29	39.26
Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
For Aluminum Liner, Add	19.59	
For 304 Stainless Steel Liner, Add	26.72	
For 2" Wall Instead Of 1", Add	116.68	
For 3" To 4" Wall Instead Of 1", Add	179.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	476.19	40.54
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	20.62	
			For 304 Stainless Steel Liner, Add	28.12	
			For 2" Wall Instead Of 1", Add	122.60	
			For 3" To 4" Wall Instead Of 1", Add	188.96	
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	506.12	43.44
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			For Aluminum Liner, Add	21.87	
			For 304 Stainless Steel Liner, Add	29.83	
			For 2" Wall Instead Of 1", Add	130.15	
			For 3" To 4" Wall Instead Of 1", Add	200.64	
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	572.30	45.10
			For Aluminum Liner, Add	25.29	
			For 304 Stainless Steel Liner, Add	34.49	
			For 2" Wall Instead Of 1", Add	149.19	
			For 3" To 4" Wall Instead Of 1", Add	229.41	
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	640.82	46.74
			For Aluminum Liner, Add	28.82	
			For 304 Stainless Steel Liner, Add	39.30	
			For 2" Wall Instead Of 1", Add	168.88	
			For 3" To 4" Wall Instead Of 1", Add	259.17	
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	674.49	48.64
			For Aluminum Liner, Add	30.42	
			For 304 Stainless Steel Liner, Add	41.48	
			For 2" Wall Instead Of 1", Add	178.05	
			For 3" To 4" Wall Instead Of 1", Add	273.15	
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	731.31	50.67
			For Aluminum Liner, Add	33.26	
			For 304 Stainless Steel Liner, Add	45.36	
			For 2" Wall Instead Of 1", Add	194.09	
			For 3" To 4" Wall Instead Of 1", Add	297.46	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	805.26	52.82
			For Aluminum Liner, Add	37.02	
			For 304 Stainless Steel Liner, Add	50.49	
			For 2" Wall Instead Of 1", Add	215.15	
			For 3" To 4" Wall Instead Of 1", Add	329.34	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	842.44	55.23
			For Aluminum Liner, Add	38.73	
			For 304 Stainless Steel Liner, Add	52.82	
			For 2" Wall Instead Of 1", Add	225.09	
			For 3" To 4" Wall Instead Of 1", Add	344.54	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	931.85	57.89
			For Aluminum Liner, Add	43.29	
			For 304 Stainless Steel Liner, Add	59.03	
			For 2" Wall Instead Of 1", Add	250.60	
			For 3" To 4" Wall Instead Of 1", Add	383.13	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,011.58	60.80
			For Aluminum Liner, Add	47.28	
			For 304 Stainless Steel Liner, Add	64.47	
			For 2" Wall Instead Of 1", Add	273.07	
			For 3" To 4" Wall Instead Of 1", Add	417.20	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,112.45	63.97
			For Aluminum Liner, Add	52.40	
			For 304 Stainless Steel Liner, Add	71.46	
			For 2" Wall Instead Of 1", Add	301.80	
			For 3" To 4" Wall Instead Of 1", Add	460.68	
23 51 16 00-0029			90 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	87.94	22.54
			For Aluminum Liner, Add	1.76	
			For 304 Stainless Steel Liner, Add	2.41	
			For 2" Wall Instead Of 1", Add	15.21	
			For 3" To 4" Wall Instead Of 1", Add	25.61	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	97.27	23.82
			For Aluminum Liner, Add	2.08	
			For 304 Stainless Steel Liner, Add	2.84	
			For 2" Wall Instead Of 1", Add	17.30	
			For 3" To 4" Wall Instead Of 1", Add	28.92	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	108.27	25.33
			For Aluminum Liner, Add	2.49	
			For 304 Stainless Steel Liner, Add	3.39	
			For 2" Wall Instead Of 1", Add	19.87	
			For 3" To 4" Wall Instead Of 1", Add	32.96	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	119.56	26.98
			For Aluminum Liner, Add	2.89	
			For 304 Stainless Steel Liner, Add	3.94	
			For 2" Wall Instead Of 1", Add	22.47	
			For 3" To 4" Wall Instead Of 1", Add	37.05	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	142.08	28.88
			For Aluminum Liner, Add	3.87	
			For 304 Stainless Steel Liner, Add	5.27	
			For 2" Wall Instead Of 1", Add	28.27	
			For 3" To 4" Wall Instead Of 1", Add	45.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0035 EA 8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	165.93 4.64 6.60 34.20 55.19	31.16
23 51 16 00-0036 EA 10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	287.16 11.14 15.18 69.21 108.05	33.82
23 51 16 00-0037 EA 12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	347.36 14.04 19.15 85.79 133.29	36.86
23 51 16 00-0038 EA 14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	449.50 19.41 26.47 115.55 178.15	38.64
23 51 16 00-0039 EA 16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	551.83 24.79 33.80 145.32 223.04	40.54
23 51 16 00-0040 EA 18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	712.39 33.31 45.42 192.36 293.88	42.69
23 51 16 00-0041 EA 20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,005.23 45.99 62.72 267.77 410.11	67.51
23 51 16 00-0042 EA 22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,323.24 62.94 85.82 361.19 550.73	71.57
23 51 16 00-0043 EA 24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,492.98 71.65 97.71 409.65 624.29	76.00
23 51 16 00-0044 45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045 EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	74.73 1.02 1.39 11.17 19.57	22.54
23 51 16 00-0046 EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	81.45 1.20 1.63 12.50 21.74	23.82
23 51 16 00-0047 EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	88.99 1.41 1.92 14.03 24.21	25.33
23 51 16 00-0048 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	98.23 1.69 2.30 15.96 27.32	26.98
23 51 16 00-0049 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	116.36 2.42 3.30 20.44 34.27	28.88
23 51 16 00-0050 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	128.51 2.78 3.80 22.97 38.35	31.16
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	211.01 6.96 9.49 46.41 73.84	33.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	251.66		36.86
		<i>For Aluminum Liner, Add</i>	8.78		
		<i>For 304 Stainless Steel Liner, Add</i>	11.97		
		<i>For 2" Wall Instead Of 1", Add</i>	57.08		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	90.22		
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	321.02		38.64
		<i>For Aluminum Liner, Add</i>	12.35		
		<i>For 304 Stainless Steel Liner, Add</i>	16.84		
		<i>For 2" Wall Instead Of 1", Add</i>	77.00		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	120.32		
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	382.98		40.54
		<i>For Aluminum Liner, Add</i>	15.49		
		<i>For 304 Stainless Steel Liner, Add</i>	21.13		
		<i>For 2" Wall Instead Of 1", Add</i>	94.63		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	147.02		
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	485.18		42.69
		<i>For Aluminum Liner, Add</i>	20.82		
		<i>For 304 Stainless Steel Liner, Add</i>	28.39		
		<i>For 2" Wall Instead Of 1", Add</i>	124.22		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	191.66		
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	595.36		67.39
		<i>For Aluminum Liner, Add</i>	23.48		
		<i>For 304 Stainless Steel Liner, Add</i>	32.02		
		<i>For 2" Wall Instead Of 1", Add</i>	144.92		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	225.80		
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	821.50		71.57
		<i>For Aluminum Liner, Add</i>	35.34		
		<i>For 304 Stainless Steel Liner, Add</i>	48.19		
		<i>For 2" Wall Instead Of 1", Add</i>	210.67		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	324.95		
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,004.13		76.00
		<i>For Aluminum Liner, Add</i>	44.78		
		<i>For 304 Stainless Steel Liner, Add</i>	61.07		
		<i>For 2" Wall Instead Of 1", Add</i>	263.26		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	404.39		
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,802.69		78.54
		<i>For Aluminum Liner, Add</i>	88.36		
		<i>For 304 Stainless Steel Liner, Add</i>	120.49		
		<i>For 2" Wall Instead Of 1", Add</i>	501.56		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	762.16		
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,853.03		81.07
		<i>For Aluminum Liner, Add</i>	90.78		
		<i>For 304 Stainless Steel Liner, Add</i>	123.79		
		<i>For 2" Wall Instead Of 1", Add</i>	515.40		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	783.23		
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,953.72		86.14
		<i>For Aluminum Liner, Add</i>	95.62		
		<i>For 304 Stainless Steel Liner, Add</i>	130.39		
		<i>For 2" Wall Instead Of 1", Add</i>	543.07		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	825.37		
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,180.10		88.67
		<i>For Aluminum Liner, Add</i>	107.72		
		<i>For 304 Stainless Steel Liner, Add</i>	146.89		
		<i>For 2" Wall Instead Of 1", Add</i>	609.72		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	925.66		
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,379.83		93.73
		<i>For Aluminum Liner, Add</i>	118.01		
		<i>For 304 Stainless Steel Liner, Add</i>	160.92		
		<i>For 2" Wall Instead Of 1", Add</i>	667.11		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,012.37		
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,453.82		101.33
		<i>For Aluminum Liner, Add</i>	121.04		
		<i>For 304 Stainless Steel Liner, Add</i>	165.05		
		<i>For 2" Wall Instead Of 1", Add</i>	685.51		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,040.92		
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,627.73		104.89
		<i>For Aluminum Liner, Add</i>	130.11		
		<i>For 304 Stainless Steel Liner, Add</i>	177.43		
		<i>For 2" Wall Instead Of 1", Add</i>	735.91		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,116.97		
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,796.59		106.40
		<i>For Aluminum Liner, Add</i>	139.19		
		<i>For 304 Stainless Steel Liner, Add</i>	189.81		
		<i>For 2" Wall Instead Of 1", Add</i>	785.81		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,192.00		
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,919.27		111.47
		<i>For Aluminum Liner, Add</i>	145.24		
		<i>For 304 Stainless Steel Liner, Add</i>	198.06		
		<i>For 2" Wall Instead Of 1", Add</i>	820.08		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,244.05		
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,096.97		116.54
		<i>For Aluminum Liner, Add</i>	154.32		
		<i>For 304 Stainless Steel Liner, Add</i>	210.44		
		<i>For 2" Wall Instead Of 1", Add</i>	870.86		
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,320.85		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0069 EA 46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,329.68	121.61
<i>For Aluminum Liner, Add</i>	166.42	
<i>For 304 Stainless Steel Liner, Add</i>	226.94	
<i>For 2" Wall Instead Of 1", Add</i>	938.14	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,422.41	
23 51 16 00-0070 EA 48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,452.38	126.68
<i>For Aluminum Liner, Add</i>	172.48	
<i>For 304 Stainless Steel Liner, Add</i>	235.19	
<i>For 2" Wall Instead Of 1", Add</i>	972.42	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,474.46	
23 51 16 00-0071 Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072 EA 3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	120.28	30.03
<i>For Aluminum Liner, Add</i>	2.48	
<i>For 304 Stainless Steel Liner, Add</i>	3.38	
<i>For 2" Wall Instead Of 1", Add</i>	21.05	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	35.33	
23 51 16 00-0073 EA 4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	125.21	31.16
<i>For Aluminum Liner, Add</i>	2.60	
<i>For 304 Stainless Steel Liner, Add</i>	3.55	
<i>For 2" Wall Instead Of 1", Add</i>	21.98	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	36.87	
23 51 16 00-0074 EA 5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	130.58	32.43
<i>For Aluminum Liner, Add</i>	2.72	
<i>For 304 Stainless Steel Liner, Add</i>	3.71	
<i>For 2" Wall Instead Of 1", Add</i>	22.96	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	38.49	
23 51 16 00-0075 EA 6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	139.51	33.82
<i>For Aluminum Liner, Add</i>	3.03	
<i>For 304 Stainless Steel Liner, Add</i>	4.13	
<i>For 2" Wall Instead Of 1", Add</i>	24.96	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.66	
23 51 16 00-0076 EA 7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	164.08	35.22
<i>For Aluminum Liner, Add</i>	4.18	
<i>For 304 Stainless Steel Liner, Add</i>	5.69	
<i>For 2" Wall Instead Of 1", Add</i>	31.59	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	51.80	
23 51 16 00-0077 EA 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	175.71	36.86
<i>For Aluminum Liner, Add</i>	4.60	
<i>For 304 Stainless Steel Liner, Add</i>	6.27	
<i>For 2" Wall Instead Of 1", Add</i>	34.30	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	56.05	
23 51 16 00-0078 EA 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	323.19	38.64
<i>For Aluminum Liner, Add</i>	12.47	
<i>For 304 Stainless Steel Liner, Add</i>	17.00	
<i>For 2" Wall Instead Of 1", Add</i>	77.65	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	121.31	
23 51 16 00-0079 EA 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	374.18	40.54
<i>For Aluminum Liner, Add</i>	15.01	
<i>For 304 Stainless Steel Liner, Add</i>	20.47	
<i>For 2" Wall Instead Of 1", Add</i>	91.99	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	143.06	
23 51 16 00-0080 EA 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	557.11	45.10
<i>For Aluminum Liner, Add</i>	24.45	
<i>For 304 Stainless Steel Liner, Add</i>	33.34	
<i>For 2" Wall Instead Of 1", Add</i>	144.62	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	222.55	
23 51 16 00-0081 EA 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	756.01	50.67
<i>For Aluminum Liner, Add</i>	34.62	
<i>For 304 Stainless Steel Liner, Add</i>	47.20	
<i>For 2" Wall Instead Of 1", Add</i>	201.48	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	308.55	
23 51 16 00-0082 EA 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	936.97	57.89
<i>For Aluminum Liner, Add</i>	43.57	
<i>For 304 Stainless Steel Liner, Add</i>	59.42	
<i>For 2" Wall Instead Of 1", Add</i>	252.14	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	385.45	
23 51 16 00-0083 EA 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,246.02	71.57
<i>For Aluminum Liner, Add</i>	58.70	
<i>For 304 Stainless Steel Liner, Add</i>	80.05	
<i>For 2" Wall Instead Of 1", Add</i>	338.06	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	516.03	
23 51 16 00-0084 EA 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,565.10	93.48
<i>For Aluminum Liner, Add</i>	73.23	
<i>For 304 Stainless Steel Liner, Add</i>	99.85	
<i>For 2" Wall Instead Of 1", Add</i>	422.79	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	645.87	
23 51 16 00-0085 EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,798.47	98.80
<i>For Aluminum Liner, Add</i>	85.33	
<i>For 304 Stainless Steel Liner, Add</i>	116.36	
<i>For 2" Wall Instead Of 1", Add</i>	490.14	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	747.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,466.75	106.40
			<i>For Aluminum Liner, Add</i>	121.04	
			<i>For 304 Stainless Steel Liner, Add</i>	165.05	
			<i>For 2" Wall Instead Of 1", Add</i>	686.80	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,043.51	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,752.05	110.58
			<i>For Aluminum Liner, Add</i>	136.16	
			<i>For 304 Stainless Steel Liner, Add</i>	185.68	
			<i>For 2" Wall Instead Of 1", Add</i>	770.35	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,169.34	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,987.12	116.54
			<i>For Aluminum Liner, Add</i>	148.27	
			<i>For 304 Stainless Steel Liner, Add</i>	202.18	
			<i>For 2" Wall Instead Of 1", Add</i>	837.87	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,271.37	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,439.83	121.61
			<i>For Aluminum Liner, Add</i>	172.48	
			<i>For 304 Stainless Steel Liner, Add</i>	235.19	
			<i>For 2" Wall Instead Of 1", Add</i>	971.17	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,471.95	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,507.61	126.68
			<i>For Aluminum Liner, Add</i>	175.50	
			<i>For 304 Stainless Steel Liner, Add</i>	239.32	
			<i>For 2" Wall Instead Of 1", Add</i>	988.95	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,499.25	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,079.07	135.16
			<i>For Aluminum Liner, Add</i>	205.76	
			<i>For 304 Stainless Steel Liner, Add</i>	280.58	
			<i>For 2" Wall Instead Of 1", Add</i>	1,156.13	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,751.09	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,176.28	152.01
			<i>For Aluminum Liner, Add</i>	208.79	
			<i>For 304 Stainless Steel Liner, Add</i>	284.71	
			<i>For 2" Wall Instead Of 1", Add</i>	1,176.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,784.28	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,560.61	173.79
			<i>For Aluminum Liner, Add</i>	226.94	
			<i>For 304 Stainless Steel Liner, Add</i>	309.47	
			<i>For 2" Wall Instead Of 1", Add</i>	1,281.30	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,943.67	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,018.00	202.68
			<i>For Aluminum Liner, Add</i>	248.12	
			<i>For 304 Stainless Steel Liner, Add</i>	338.35	
			<i>For 2" Wall Instead Of 1", Add</i>	1,404.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,131.43	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,466.00	228.01
			<i>For Aluminum Liner, Add</i>	269.30	
			<i>For 304 Stainless Steel Liner, Add</i>	367.23	
			<i>For 2" Wall Instead Of 1", Add</i>	1,525.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,317.31	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,980.20	235.61
			<i>For Aluminum Liner, Add</i>	296.54	
			<i>For 304 Stainless Steel Liner, Add</i>	404.37	
			<i>For 2" Wall Instead Of 1", Add</i>	1,676.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,543.94	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	6,329.51	243.21
			<i>For Aluminum Liner, Add</i>	314.69	
			<i>For 304 Stainless Steel Liner, Add</i>	429.13	
			<i>For 2" Wall Instead Of 1", Add</i>	1,777.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,696.32	
23 51 16 00-0098			Vent Top Caps <small>(23 51 16 00-0001)</small>		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	61.12	17.61
			<i>For Aluminum Liner, Add</i>	0.94	
			<i>For 304 Stainless Steel Liner, Add</i>	1.28	
			<i>For 2" Wall Instead Of 1", Add</i>	9.52	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.49	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	64.04	18.50
			<i>For Aluminum Liner, Add</i>	0.99	
			<i>For 304 Stainless Steel Liner, Add</i>	1.35	
			<i>For 2" Wall Instead Of 1", Add</i>	9.99	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.29	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	81.81	20.26
			<i>For Aluminum Liner, Add</i>	1.71	
			<i>For 304 Stainless Steel Liner, Add</i>	2.34	
			<i>For 2" Wall Instead Of 1", Add</i>	14.41	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.15	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	87.38	22.54
			<i>For Aluminum Liner, Add</i>	1.71	
			<i>For 304 Stainless Steel Liner, Add</i>	2.34	
			<i>For 2" Wall Instead Of 1", Add</i>	14.97	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0103 EA 10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	105.42	23.82
<i>For Aluminum Liner, Add</i>	2.52	
<i>For 304 Stainless Steel Liner, Add</i>	3.44	
<i>For 2" Wall Instead Of 1", Add</i>	19.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.55	
23 51 16 00-0104 EA 12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	123.85	25.33
<i>For Aluminum Liner, Add</i>	3.33	
<i>For 304 Stainless Steel Liner, Add</i>	4.54	
<i>For 2" Wall Instead Of 1", Add</i>	24.49	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.90	
23 51 16 00-0105 EA 16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	284.70	28.88
<i>For Aluminum Liner, Add</i>	11.68	
<i>For 304 Stainless Steel Liner, Add</i>	15.93	
<i>For 2" Wall Instead Of 1", Add</i>	70.94	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	110.03	
23 51 16 00-0106 EA 18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	526.18	36.22
<i>For Aluminum Liner, Add</i>	23.97	
<i>For 304 Stainless Steel Liner, Add</i>	32.68	
<i>For 2" Wall Instead Of 1", Add</i>	139.76	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	214.17	
23 51 16 00-0107 EA 20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	966.81	43.44
<i>For Aluminum Liner, Add</i>	47.20	
<i>For 304 Stainless Steel Liner, Add</i>	64.37	
<i>For 2" Wall Instead Of 1", Add</i>	268.33	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	407.92	
23 51 16 00-0108 EA 24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,604.45	60.80
<i>For Aluminum Liner, Add</i>	79.88	
<i>For 304 Stainless Steel Liner, Add</i>	108.93	
<i>For 2" Wall Instead Of 1", Add</i>	450.93	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	684.00	
23 51 16 00-0109 EA 26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,360.58	63.97
<i>For Aluminum Liner, Add</i>	121.04	
<i>For 304 Stainless Steel Liner, Add</i>	165.05	
<i>For 2" Wall Instead Of 1", Add</i>	676.19	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,022.28	
23 51 16 00-0110 EA 28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,644.62	67.51
<i>For Aluminum Liner, Add</i>	136.16	
<i>For 304 Stainless Steel Liner, Add</i>	185.68	
<i>For 2" Wall Instead Of 1", Add</i>	759.61	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,147.85	
23 51 16 00-0111 EA 30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,984.73	71.57
<i>For Aluminum Liner, Add</i>	154.32	
<i>For 304 Stainless Steel Liner, Add</i>	210.44	
<i>For 2" Wall Instead Of 1", Add</i>	859.64	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,298.40	
23 51 16 00-0112 EA 32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,160.95	76.00
<i>For Aluminum Liner, Add</i>	163.40	
<i>For 304 Stainless Steel Liner, Add</i>	222.82	
<i>For 2" Wall Instead Of 1", Add</i>	910.27	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,374.91	
23 51 16 00-0113 EA 34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,338.66	81.07
<i>For Aluminum Liner, Add</i>	172.48	
<i>For 304 Stainless Steel Liner, Add</i>	235.19	
<i>For 2" Wall Instead Of 1", Add</i>	961.05	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,451.71	
23 51 16 00-0114 EA 36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,573.04	86.90
<i>For Aluminum Liner, Add</i>	184.58	
<i>For 304 Stainless Steel Liner, Add</i>	251.70	
<i>For 2" Wall Instead Of 1", Add</i>	1,028.50	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,553.60	
23 51 16 00-0115 Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	25.63	9.50
<i>For Aluminum Liner, Add</i>	0.11	
<i>For 304 Stainless Steel Liner, Add</i>	0.15	
<i>For 2" Wall Instead Of 1", Add</i>	2.95	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.61	
23 51 16 00-0117 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	32.53	12.16
<i>For Aluminum Liner, Add</i>	0.11	
<i>For 304 Stainless Steel Liner, Add</i>	0.15	
<i>For 2" Wall Instead Of 1", Add</i>	3.66	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.01	
23 51 16 00-0118 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	43.32	16.35
<i>For Aluminum Liner, Add</i>	0.14	
<i>For 304 Stainless Steel Liner, Add</i>	0.18	
<i>For 2" Wall Instead Of 1", Add</i>	4.82	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.28	
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	54.18	20.26
<i>For Aluminum Liner, Add</i>	0.19	
<i>For 304 Stainless Steel Liner, Add</i>	0.26	
<i>For 2" Wall Instead Of 1", Add</i>	6.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.71	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	77.41	27.36
			<i>For Aluminum Liner, Add</i>	0.50	
			<i>For 304 Stainless Steel Liner, Add</i>	0.68	
			<i>For 2" Wall Instead Of 1", Add</i>	9.54	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.73	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	97.63	33.94
			<i>For Aluminum Liner, Add</i>	0.70	
			<i>For 304 Stainless Steel Liner, Add</i>	0.96	
			<i>For 2" Wall Instead Of 1", Add</i>	12.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.72	
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	122.97	40.54
			<i>For Aluminum Liner, Add</i>	1.19	
			<i>For 304 Stainless Steel Liner, Add</i>	1.62	
			<i>For 2" Wall Instead Of 1", Add</i>	16.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.00	
23 51 16 00-0123	EA		18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	159.06	48.14
			<i>For Aluminum Liner, Add</i>	2.13	
			<i>For 304 Stainless Steel Liner, Add</i>	2.90	
			<i>For 2" Wall Instead Of 1", Add</i>	23.65	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.49	
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	210.86	53.21
			<i>For Aluminum Liner, Add</i>	4.28	
			<i>For 304 Stainless Steel Liner, Add</i>	5.84	
			<i>For 2" Wall Instead Of 1", Add</i>	36.66	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	61.63	
23 51 16 00-0125 Adjustable Roof Flashing <small>(23 51 16 00-0001)</small>					
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	68.90	22.54
			<i>For Aluminum Liner, Add</i>	0.70	
			<i>For 304 Stainless Steel Liner, Add</i>	0.95	
			<i>For 2" Wall Instead Of 1", Add</i>	9.42	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.94	
23 51 16 00-0127	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	75.93	23.82
			<i>For Aluminum Liner, Add</i>	0.90	
			<i>For 304 Stainless Steel Liner, Add</i>	1.22	
			<i>For 2" Wall Instead Of 1", Add</i>	10.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.26	
23 51 16 00-0128	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	94.80	26.98
			<i>For Aluminum Liner, Add</i>	1.50	
			<i>For 304 Stainless Steel Liner, Add</i>	2.05	
			<i>For 2" Wall Instead Of 1", Add</i>	14.94	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.78	
23 51 16 00-0129	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	115.20	31.16
			<i>For Aluminum Liner, Add</i>	2.05	
			<i>For 304 Stainless Steel Liner, Add</i>	2.80	
			<i>For 2" Wall Instead Of 1", Add</i>	18.98	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.37	
23 51 16 00-0130	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	186.82	33.82
			<i>For Aluminum Liner, Add</i>	5.63	
			<i>For 304 Stainless Steel Liner, Add</i>	7.67	
			<i>For 2" Wall Instead Of 1", Add</i>	39.15	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	62.95	
23 51 16 00-0131	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	221.93	36.86
			<i>For Aluminum Liner, Add</i>	7.14	
			<i>For 304 Stainless Steel Liner, Add</i>	9.74	
			<i>For 2" Wall Instead Of 1", Add</i>	48.16	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	76.85	
23 51 16 00-0132	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	260.88	40.54
			<i>For Aluminum Liner, Add</i>	8.78	
			<i>For 304 Stainless Steel Liner, Add</i>	11.97	
			<i>For 2" Wall Instead Of 1", Add</i>	58.00	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	92.06	
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	310.79	45.10
			<i>For Aluminum Liner, Add</i>	10.89	
			<i>For 304 Stainless Steel Liner, Add</i>	14.85	
			<i>For 2" Wall Instead Of 1", Add</i>	70.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	111.67	
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	467.83	50.67
			<i>For Aluminum Liner, Add</i>	18.76	
			<i>For 304 Stainless Steel Liner, Add</i>	25.58	
			<i>For 2" Wall Instead Of 1", Add</i>	115.00	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	178.84	
23 51 16 00-0135	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	516.60	67.51
			<i>For Aluminum Liner, Add</i>	19.12	
			<i>For 304 Stainless Steel Liner, Add</i>	26.08	
			<i>For 2" Wall Instead Of 1", Add</i>	121.20	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	190.25	
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	657.33	86.90
			<i>For Aluminum Liner, Add</i>	24.21	
			<i>For 304 Stainless Steel Liner, Add</i>	33.01	
			<i>For 2" Wall Instead Of 1", Add</i>	153.76	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	241.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0137 EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	781.49	101.33
For Aluminum Liner, Add	29.05	
For 304 Stainless Steel Liner, Add	39.61	
For 2" Wall Instead Of 1", Add	183.78	
For 3" To 4" Wall Instead Of 1", Add	288.34	
23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)		
23 51 16 00-0139 EA 3" Round Galvanized Storm Collar, Double Wall	27.33	9.50
For Aluminum Liner, Add	0.20	
For 304 Stainless Steel Liner, Add	0.27	
For 2" Wall Instead Of 1", Add	3.46	
For 3" To 4" Wall Instead Of 1", Add	6.38	
23 51 16 00-0140 EA 4" Round Galvanized Storm Collar, Double Wall	34.59	12.16
For Aluminum Liner, Add	0.23	
For 304 Stainless Steel Liner, Add	0.31	
For 2" Wall Instead Of 1", Add	4.30	
For 3" To 4" Wall Instead Of 1", Add	7.97	
23 51 16 00-0141 EA 5" Round Galvanized Storm Collar, Double Wall	40.68	14.19
For Aluminum Liner, Add	0.29	
For 304 Stainless Steel Liner, Add	0.39	
For 2" Wall Instead Of 1", Add	5.11	
For 3" To 4" Wall Instead Of 1", Add	9.44	
23 51 16 00-0142 EA 6" Round Galvanized Storm Collar, Double Wall	46.80	16.21
For Aluminum Liner, Add	0.34	
For 304 Stainless Steel Liner, Add	0.47	
For 2" Wall Instead Of 1", Add	5.93	
For 3" To 4" Wall Instead Of 1", Add	10.93	
23 51 16 00-0143 EA 7" Or 8" Round Galvanized Storm Collar, Double Wall	59.00	20.26
For Aluminum Liner, Add	0.46	
For 304 Stainless Steel Liner, Add	0.62	
For 2" Wall Instead Of 1", Add	7.57	
For 3" To 4" Wall Instead Of 1", Add	13.88	
23 51 16 00-0144 EA 10" Round Galvanized Storm Collar, Double Wall	81.47	27.36
For Aluminum Liner, Add	0.72	
For 304 Stainless Steel Liner, Add	0.98	
For 2" Wall Instead Of 1", Add	10.76	
For 3" To 4" Wall Instead Of 1", Add	19.56	
23 51 16 00-0145 EA 12" Round Galvanized Storm Collar, Double Wall	100.57	33.94
For Aluminum Liner, Add	0.86	
For 304 Stainless Steel Liner, Add	1.18	
For 2" Wall Instead Of 1", Add	13.20	
For 3" To 4" Wall Instead Of 1", Add	24.04	
23 51 16 00-0146 EA 14" Or 16" Round Galvanized Storm Collar, Double Wall	127.96	40.54
For Aluminum Liner, Add	1.46	
For 304 Stainless Steel Liner, Add	2.00	
For 2" Wall Instead Of 1", Add	18.12	
For 3" To 4" Wall Instead Of 1", Add	32.25	
23 51 16 00-0147 EA 18" Or 20" Round Galvanized Storm Collar, Double Wall	168.55	48.14
For Aluminum Liner, Add	2.65	
For 304 Stainless Steel Liner, Add	3.62	
For 2" Wall Instead Of 1", Add	26.50	
For 3" To 4" Wall Instead Of 1", Add	45.76	
23 51 16 00-0148 EA 22" Or 24" Round Galvanized Storm Collar, Double Wall	234.58	53.21
For Aluminum Liner, Add	5.59	
For 304 Stainless Steel Liner, Add	7.62	
For 2" Wall Instead Of 1", Add	43.77	
For 3" To 4" Wall Instead Of 1", Add	72.31	
23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151 LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	45.55	11.90
For 2" Wall Instead Of 1", Add	7.71	
For 3" To 4" Wall Instead Of 1", Add	13.06	
23 51 16 00-0152 LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	50.16	12.67
For 2" Wall Instead Of 1", Add	8.76	
For 3" To 4" Wall Instead Of 1", Add	14.71	
23 51 16 00-0153 LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	55.54	13.55
For 2" Wall Instead Of 1", Add	9.90	
For 3" To 4" Wall Instead Of 1", Add	16.54	
23 51 16 00-0154 45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155 EA 4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	99.59	24.71
For 2" Wall Instead Of 1", Add	17.52	
For 3" To 4" Wall Instead Of 1", Add	29.37	
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	116.22	28.88
For 2" Wall Instead Of 1", Add	20.42	
For 3" To 4" Wall Instead Of 1", Add	34.25	
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	138.16	32.68
For 2" Wall Instead Of 1", Add	25.10	
For 3" To 4" Wall Instead Of 1", Add	41.74	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	101.48 18.09 30.22	24.71
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	120.81 21.80 36.31	28.88
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	141.13 25.99 43.08	32.68
23 51 16 00-0161			Tees <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	165.92 31.01 51.21	37.50
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	168.89 31.90 52.54	37.50
23 51 16 00-0164	EA		5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	194.08 36.69 60.42	43.07
23 51 16 00-0165	EA		6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	221.90 42.44 69.70	48.26
23 51 16 00-0166			Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167	EA		4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	63.19 12.85 20.81	12.16
23 51 16 00-0168	EA		6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	98.24 21.30 33.99	16.35
23 51 16 00-0169	EA		4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	51.58 9.37 15.58	12.16
23 51 16 00-0170	EA		6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	87.30 18.02 29.07	16.35
23 51 16 00-0171			Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172	EA		4" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	34.59 4.30 7.97	12.16
23 51 16 00-0173	EA		5" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	40.68 5.11 9.44	14.19
23 51 16 00-0174	EA		6" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	46.80 5.93 10.93	16.21
23 51 16 00-0175			Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
23 51 16 00-0176			Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF		6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	117.93 13.46 8.41 16.82	13.55
23 51 16 00-0178	LF		8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	141.67 16.42 10.27 20.53	15.58
23 51 16 00-0179	LF		10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	157.18 18.40 11.50 23.00	16.85
23 51 16 00-0180	LF		12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	177.14 20.97 13.11 26.22	18.36
23 51 16 00-0181	LF		14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	199.15 24.14 15.09 30.18	19.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0182 LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	210.30	20.26
<i>For 316 Stainless Steel, Add</i>	25.53	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.95	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	31.91	
23 51 16 00-0183 LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	232.73	21.40
<i>For 316 Stainless Steel, Add</i>	28.69	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	17.93	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	35.87	
23 51 16 00-0184 LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	289.79	33.82
<i>For 316 Stainless Steel, Add</i>	32.85	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.53	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	41.06	
23 51 16 00-0185 LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	359.68	38.00
<i>For 316 Stainless Steel, Add</i>	42.35	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.47	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.93	
23 51 16 00-0186 LF 28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	405.53	40.54
<i>For 316 Stainless Steel, Add</i>	48.68	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	30.42	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	60.85	
23 51 16 00-0187 LF 32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	453.82	44.97
<i>For 316 Stainless Steel, Add</i>	54.61	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.13	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.27	
23 51 16 00-0188 LF 36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	504.85	48.64
<i>For 316 Stainless Steel, Add</i>	61.34	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.34	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	76.68	
23 51 16 00-0189 LF 42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	576.30	55.36
<i>For 316 Stainless Steel, Add</i>	70.05	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.78	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.56	
23 51 16 00-0190 LF 48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	674.73	64.10
<i>For 316 Stainless Steel, Add</i>	82.32	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	51.45	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	102.90	
23 51 16 00-0191 90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	547.33	28.00
<i>For 316 Stainless Steel, Add</i>	95.48	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	47.74	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	95.48	
23 51 16 00-0193 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	604.74	31.16
<i>For 316 Stainless Steel, Add</i>	105.37	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	52.69	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	105.37	
23 51 16 00-0194 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	688.06	33.82
<i>For 316 Stainless Steel, Add</i>	120.71	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	60.35	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	120.71	
23 51 16 00-0195 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	777.25	36.86
<i>For 316 Stainless Steel, Add</i>	137.03	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	68.52	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	137.03	
23 51 16 00-0196 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	900.42	38.64
<i>For 316 Stainless Steel, Add</i>	160.78	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.39	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	160.78	
23 51 16 00-0197 EA 16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	991.76	40.54
<i>For 316 Stainless Steel, Add</i>	178.09	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	89.05	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	178.09	
23 51 16 00-0198 EA 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,145.51	42.69
<i>For 316 Stainless Steel, Add</i>	207.77	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	103.89	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	207.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,331.44	67.51
		<i>For 316 Stainless Steel, Add</i>	232.51	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	116.25	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	232.51	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,636.99	76.00
		<i>For 316 Stainless Steel, Add</i>	289.40	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	144.70	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	289.40	
23 51 16 00-0201	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,983.58	81.07
		<i>For 316 Stainless Steel, Add</i>	356.18	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	178.09	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	356.18	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,616.33	86.77
		<i>For 316 Stainless Steel, Add</i>	479.85	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	239.93	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	479.85	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,974.15	101.33
		<i>For 316 Stainless Steel, Add</i>	544.16	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	272.08	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	544.16	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,357.53	110.58
		<i>For 316 Stainless Steel, Add</i>	816.24	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	408.12	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	816.24	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,436.44	121.61
		<i>For 316 Stainless Steel, Add</i>	1,026.49	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	513.24	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,026.49	
23 51 16 00-0206		45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	366.80	26.98
		<i>For 316 Stainless Steel, Add</i>	59.86	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.93	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.86	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	419.23	31.16
		<i>For 316 Stainless Steel, Add</i>	68.27	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.13	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.27	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	465.41	33.82
		<i>For 316 Stainless Steel, Add</i>	76.18	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.09	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	76.18	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	529.91	36.86
		<i>For 316 Stainless Steel, Add</i>	87.56	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.78	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.56	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	596.18	38.64
		<i>For 316 Stainless Steel, Add</i>	99.93	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.96	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	99.93	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	667.73	40.54
		<i>For 316 Stainless Steel, Add</i>	113.28	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	56.64	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	113.28	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	747.28	42.69
		<i>For 316 Stainless Steel, Add</i>	128.13	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.06	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.13	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	901.07	67.51
		<i>For 316 Stainless Steel, Add</i>	146.43	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.22	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.43	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,129.94	76.00
		<i>For 316 Stainless Steel, Add</i>	187.98	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	93.99	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	187.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0216 EA 28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,266.27	81.07
<i>For 316 Stainless Steel, Add</i>	212.72	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	106.36	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	212.72	
23 51 16 00-0217 EA 32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,639.31	86.77
<i>For 316 Stainless Steel, Add</i>	284.45	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	142.22	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	284.45	
23 51 16 00-0218 EA 36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,170.28	101.33
<i>For 316 Stainless Steel, Add</i>	383.39	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	191.69	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	383.39	
23 51 16 00-0219 EA 42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,873.45	110.58
<i>For 316 Stainless Steel, Add</i>	519.43	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	259.71	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	519.43	
23 51 16 00-0220 EA 48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,828.72	121.61
<i>For 316 Stainless Steel, Add</i>	704.94	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	352.47	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	704.94	
23 51 16 00-0221 Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222 EA 6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	398.66	33.82
<i>For 316 Stainless Steel, Add</i>	69.11	
<i>For Tee Cap, Add</i>	92.41	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.41	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	62.83	
23 51 16 00-0223 EA 8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	453.23	36.86
<i>For 316 Stainless Steel, Add</i>	79.45	
<i>For Tee Cap, Add</i>	104.46	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.11	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	72.23	
23 51 16 00-0224 EA 10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	519.46	38.64
<i>For 316 Stainless Steel, Add</i>	93.05	
<i>For Tee Cap, Add</i>	118.37	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	42.30	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	84.59	
23 51 16 00-0225 EA 12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	595.99	40.54
<i>For 316 Stainless Steel, Add</i>	108.83	
<i>For Tee Cap, Add</i>	134.39	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.47	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	98.94	
23 51 16 00-0226 EA 14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	696.34	45.10
<i>For 316 Stainless Steel, Add</i>	128.42	
<i>For Tee Cap, Add</i>	156.16	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.37	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.75	
23 51 16 00-0227 EA 16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	782.06	50.67
<i>For 316 Stainless Steel, Add</i>	144.20	
<i>For Tee Cap, Add</i>	175.40	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	65.55	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	131.09	
23 51 16 00-0228 EA 18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	911.42	57.89
<i>For 316 Stainless Steel, Add</i>	168.69	
<i>For Tee Cap, Add</i>	203.98	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	76.68	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	153.35	
23 51 16 00-0229 EA 20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,044.53	71.57
<i>For 316 Stainless Steel, Add</i>	190.46	
<i>For Tee Cap, Add</i>	235.73	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	86.57	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	173.14	
23 51 16 00-0230 EA 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,329.30	101.33
<i>For 316 Stainless Steel, Add</i>	236.71	
<i>For Tee Cap, Add</i>	303.86	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	107.60	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	215.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,611.98	110.58
		<i>For 316 Stainless Steel, Add</i>	293.85	
		<i>For Tee Cap, Add</i>	363.84	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	133.57	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	267.13	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,134.36	121.61
		<i>For 316 Stainless Steel, Add</i>	402.68	
		<i>For Tee Cap, Add</i>	472.47	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	183.04	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	366.07	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,378.59	135.16
		<i>For 316 Stainless Steel, Add</i>	448.93	
		<i>For Tee Cap, Add</i>	526.42	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	204.06	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	408.12	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,784.02	202.68
		<i>For 316 Stainless Steel, Add</i>	721.01	
		<i>For Tee Cap, Add</i>	832.81	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	327.73	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	655.47	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,751.13	243.21
		<i>For 316 Stainless Steel, Add</i>	911.47	
		<i>For Tee Cap, Add</i>	1,041.44	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	414.31	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	828.61	
23 51 16 00-0236 Bellows <small>(23 51 16 00-0175)</small>				
23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	745.24	26.98
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	67.77	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	135.55	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	812.51	31.16
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.46	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.92	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	888.41	33.82
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.39	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	160.78	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	982.55	36.86
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	89.05	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	178.09	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,098.29	38.64
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	100.18	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	200.35	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,214.37	40.54
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	111.31	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	222.61	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,355.75	42.69
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	124.91	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	249.82	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,578.77	67.51
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	140.99	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	281.98	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,946.19	76.00
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	175.62	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	351.23	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,181.47	81.07
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	197.88	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	395.75	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,492.79	86.90
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	227.56	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	455.12	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,850.50	101.33
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	259.71	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	519.43	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,615.51	110.58
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	333.92	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	667.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0250 EA 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	4,385.25 408.12 816.24	121.61
23 51 16 00-0251 Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252 EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	498.43 42.05	31.16
23 51 16 00-0253 EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	542.28 45.02	36.86
23 51 16 00-0254 EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	593.52 49.22	40.54
23 51 16 00-0255 EA 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	641.99 52.93	45.10
23 51 16 00-0256 EA 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	814.29 69.50	47.75
23 51 16 00-0257 EA 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	730.18 60.35	50.67
23 51 16 00-0258 EA 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	785.70 65.05	54.08
23 51 16 00-0259 EA 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	887.55 69.75	76.00
23 51 16 00-0260 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	996.05 77.91	86.77
23 51 16 00-0261 EA 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,136.53 90.28	93.48
23 51 16 00-0262 EA 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,267.30 101.41	101.21
23 51 16 00-0263 EA 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,416.89 111.31	121.48
23 51 16 00-0264 EA 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,809.35 147.17	135.04
23 51 16 00-0265 EA 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	2,234.85 185.51	151.88
23 51 16 00-0266 Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	343.40 42.05	17.61
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	362.40 45.02	19.25
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	389.52 47.03	20.26
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	407.04 49.04	21.28
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	448.04 51.05	21.92
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	489.05 53.06	22.42
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	592.13 55.07	23.18
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	744.27 57.08	43.44
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	933.15 59.09	46.74
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,111.01 61.10	48.64
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,363.42 63.11	50.67
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,548.12 65.12	55.36
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,950.45 67.13	57.89
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	2,489.46 69.14	60.80
23 51 16 00-0281 Vent Top Caps <small>(23 51 16 00-0175)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	375.45	17.61
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	434.13	19.25
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	503.26	20.26
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	577.67	21.28
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	673.07	21.92
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	763.68	22.54
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	849.40	23.18
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,023.65	43.44
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,217.59	46.74
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,321.18	48.64
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,499.38	50.67
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,745.83	55.23
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,123.49	57.89
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,464.62	60.80
23 51 16 00-0296			Roof Support Assemblies (23 51 16 00-0175)		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	568.23	32.43
			<i>For 316 Stainless Steel, Add</i>	97.45	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	628.34	38.64
			<i>For 316 Stainless Steel, Add</i>	106.36	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	690.32	42.69
			<i>For 316 Stainless Steel, Add</i>	116.75	
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	737.50	47.63
			<i>For 316 Stainless Steel, Add</i>	123.67	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	821.71	50.67
			<i>For 316 Stainless Steel, Add</i>	139.01	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	872.23	54.08
			<i>For 316 Stainless Steel, Add</i>	147.42	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	936.40	58.01
			<i>For 316 Stainless Steel, Add</i>	158.30	
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,043.66	81.07
			<i>For 316 Stainless Steel, Add</i>	168.20	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,173.81	93.61
			<i>For 316 Stainless Steel, Add</i>	187.98	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,354.03	101.33
			<i>For 316 Stainless Steel, Add</i>	220.14	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,612.00	110.58
			<i>For 316 Stainless Steel, Add</i>	267.13	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,871.53	135.16
			<i>For 316 Stainless Steel, Add</i>	306.71	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,779.25	152.01
			<i>For 316 Stainless Steel, Add</i>	479.85	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,400.19	172.78
			<i>For 316 Stainless Steel, Add</i>	593.63	
23 51 16 00-0311			Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
			Note: With 1" insulation.		
23 51 16 00-0312			Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)		
			Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	103.09	13.55
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.93	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	13.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0314 LF 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	125.25 8.90 17.81	14.44
23 51 16 00-0315 LF 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	142.91 10.39 20.78	15.58
23 51 16 00-0316 LF 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	192.99 15.09 30.18	16.85
23 51 16 00-0317 LF 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	248.93 20.28 40.56	18.50
23 51 16 00-0318 LF 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	315.50 26.71 53.43	19.38
23 51 16 00-0319 90 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	222.15 15.46 30.92	26.98
23 51 16 00-0321 EA 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	245.46 17.31 34.63	28.88
23 51 16 00-0322 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	275.82 19.79 39.58	31.16
23 51 16 00-0323 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	341.73 25.72 51.45	33.82
23 51 16 00-0324 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	406.25 31.41 62.83	36.86
23 51 16 00-0325 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	472.44 37.60 75.19	38.64
23 51 16 00-0326 45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	183.51 11.59 23.19	26.98
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	202.18 12.99 25.97	28.88
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	226.36 14.84 29.68	31.16
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	277.42 19.29 38.59	33.82
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	327.69 23.56 47.12	36.86
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	378.51 28.20 56.40	38.64
23 51 16 00-0333 Tees With Tee Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	359.37 29.19 58.37	26.98
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	453.24 38.09 76.18	28.88
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	508.28 43.04 86.08	31.16
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	690.40 60.60 121.20	33.82
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	945.41 85.34 170.67	36.86
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,209.50 111.31 222.61	38.64
23 51 16 00-0340 Joist Shields <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	156.56	26.98
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	168.80	28.88
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	196.63	31.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe		244.07	33.82
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe		291.21	36.86
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe		343.82	38.64
23 51 16 00-0347		Adjustable Roof Flashing (23 51 16 00-0311)			
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe		185.00	26.98
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe		205.89	28.88
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe		223.82	31.16
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe		271.25	33.82
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe		333.34	36.86
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe		398.19	38.51
23 51 16 00-0354		Vent Top Caps (23 51 16 00-0311)			
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		166.46	26.98
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		207.12	28.88
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		258.46	31.16
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		408.56	33.82
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		554.71	36.86
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		704.96	38.64
23 51 16 00-0361		Roof Support Assemblies (23 51 16 00-0311)			
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		244.27	26.98
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		271.43	28.88
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		294.31	31.16
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		368.88	33.82
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		435.92	36.86
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		531.83	38.64
23 51 16 00-0368		Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)			
23 51 16 00-0369		Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)			
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination		251.02	51.57
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination		272.15	51.57
23 51 16 00-0372		Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)			
23 51 16 00-0373		Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)			
Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.					
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section		47.53	15.67
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section		54.02	16.50
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section		61.90	18.33
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section		76.84	21.56
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section		57.13	17.96
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section		68.89	18.91
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section		84.49	21.01
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section		104.46	24.72
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section		94.30	23.77
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section		111.30	25.01
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section		138.33	27.79
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section		179.16	32.69
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section		139.86	35.07
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section		159.86	36.91
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section		207.72	41.02
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section		269.89	48.26
23 51 16 00-0390		Polypropylene Flue/Vent Elbows (23 51 16 00-0372)			
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow		58.76	19.04
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow		68.88	20.04
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow		85.66	20.78
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow		99.41	21.63
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow		58.76	19.04
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow		68.88	20.04
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow		85.66	20.78
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow		99.41	21.63
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow		58.76	19.04
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow		68.88	20.04
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow		85.66	20.78
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow		99.41	21.63
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow		58.76	19.04
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow		68.88	20.04
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow		84.61	20.78
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow		102.00	21.63



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0407				Polypropylene Flue/Vent Tees (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
				23 51 16 00-0408 EA 2" Polypropylene Flue/Vent Tee	181.86	28.56
				23 51 16 00-0409 EA 3" Polypropylene Flue/Vent Tee	228.31	30.08
				23 51 16 00-0410 EA 4" Polypropylene Flue/Vent Tee	267.81	31.16
				23 51 16 00-0411 EA 5" Polypropylene Flue/Vent Tee	292.97	32.43
23 51 16 00-0412				Polypropylene Flue/Vent Adaptors (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
				23 51 16 00-0413 EA 2" Polypropylene Flue/Vent Adaptor With Gasket	68.99	19.04
				23 51 16 00-0414 EA 3" Polypropylene Flue/Vent Adaptor With Gasket	98.47	20.04
				23 51 16 00-0415 EA 4" Polypropylene Flue/Vent Adaptor With Gasket	114.50	20.78
				23 51 16 00-0416 EA 5" Polypropylene Flue/Vent Adaptor With Gasket	155.79	21.63
23 51 16 00-0417				Polypropylene Flue/Vent Increases (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
				23 51 16 00-0418 EA 2" to 3" Polypropylene Flue/Vent Centric Increaser	76.36	19.55
				23 51 16 00-0419 EA 3" to 4" Polypropylene Flue/Vent Centric Increaser	83.59	20.40
				23 51 16 00-0420 EA 4" to 5" Polypropylene Flue/Vent Centric Increaser	149.49	21.19
				23 51 16 00-0421 EA 2" to 3" Polypropylene Flue/Vent Eccentric Increaser	102.61	19.55
				23 51 16 00-0422 EA 3" to 4" Polypropylene Flue/Vent Eccentric Increaser	81.45	20.40
				23 51 16 00-0423 EA 4" to 5" Polypropylene Flue/Vent Eccentric Increaser	205.55	21.19
23 51 16 00-0424				Polypropylene Flue/Vent Reducers (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
				23 51 16 00-0425 EA 3" to 2" Polypropylene Flue/Vent Reducer	76.36	19.55
				23 51 16 00-0426 EA 4" to 3" Polypropylene Flue/Vent Reducer	83.59	20.40
				23 51 16 00-0427 EA 5" to 4" Polypropylene Flue/Vent Reducer	184.44	21.19
23 51 16 00-0428				Polypropylene Flue/Vent Test Ports (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
				23 51 16 00-0429 EA 2" Polypropylene Flue/Vent Test Port	97.08	28.56
				23 51 16 00-0430 EA 3" Polypropylene Flue/Vent Test Port	108.78	30.08
				23 51 16 00-0431 EA 4" Polypropylene Flue/Vent Test Port	165.69	31.16
				23 51 16 00-0432 EA 5" Polypropylene Flue/Vent Test Port	176.87	32.43
23 51 16 00-0433				Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
				23 51 16 00-0434 EA 4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	272.51	31.16
				23 51 16 00-0435 EA 4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	356.79	38.95
				23 51 16 00-0436 EA 5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	224.53	32.43
				23 51 16 00-0437 EA 5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	332.17	40.54
				23 51 16 00-0438 EA 3" to 4" Polypropylene Flue/Vent Non-Return Valve	346.78	20.40
				23 51 16 00-0439 EA 4" to 4" Polypropylene Flue/Vent Non-Return Valve	401.32	21.19
23 51 16 00-0440				Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
				23 51 16 00-0441 EA 2" Polypropylene Flue/Vent Horizontal Drain Tee	132.52	28.56
				23 51 16 00-0442 EA 3" Polypropylene Flue/Vent Horizontal Drain Tee	159.90	30.08
				23 51 16 00-0443 EA 4" Polypropylene Flue/Vent Horizontal Drain Tee	182.96	31.16
				23 51 16 00-0444 EA 5" Polypropylene Flue/Vent Horizontal Drain Tee	208.58	32.43
				23 51 16 00-0445 EA 4" Polypropylene Flue/Vent Horizontal Drain Fittings	230.91	31.16
				23 51 16 00-0446 EA 5" Polypropylene Flue/Vent Horizontal Drain Fittings	254.47	32.43
				23 51 16 00-0447 EA 2" Polypropylene Flue/Vent Tee Cap	75.98	9.53
				23 51 16 00-0448 EA 3" Polypropylene Flue/Vent Tee Cap	97.41	10.02
				23 51 16 00-0449 EA 4" Polypropylene Flue/Vent Tee Cap	115.68	10.39
				23 51 16 00-0450 EA 5" Polypropylene Flue/Vent Tee Cap	150.91	10.80
				23 51 16 00-0451 EA 2" Polypropylene Flue/Vent Tee Cap With Drain	147.86	28.56
				23 51 16 00-0452 EA 3" Polypropylene Flue/Vent Tee Cap With Drain	181.17	30.08
				23 51 16 00-0453 EA 4" Polypropylene Flue/Vent Tee Cap With Drain	209.34	31.16
				23 51 16 00-0454 EA 5" Polypropylene Flue/Vent Tee Cap With Drain	251.95	32.43
23 51 16 00-0455				Polypropylene Flue/Vent Terminations (23 51 16 00-0372)		
				23 51 16 00-0456 EA 2" Polypropylene-UV Black Flue/Vent Chimney Cover	191.14	19.04
				23 51 16 00-0457 EA 3" Polypropylene-UV Black Flue/Vent Chimney Cover	168.80	20.04
				23 51 16 00-0458 EA 4" Polypropylene-UV Black Flue/Vent Chimney Cover	210.99	20.78
				23 51 16 00-0459 EA 3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	429.70	20.04
				23 51 16 00-0460 EA 4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	458.79	20.78
				23 51 16 00-0461 EA 5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	535.42	21.63
				23 51 16 00-0462 EA 2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	113.32	19.04
				23 51 16 00-0463 EA 2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	119.89	19.04
				23 51 16 00-0464 EA 2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	126.47	19.04
				23 51 16 00-0465 EA 2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	133.04	19.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0466	EA	3 3/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	122.40	20.04
23 51 16 00-0467	EA	3 3/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	128.98	20.04
23 51 16 00-0468	EA	3 3/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	135.55	20.04
23 51 16 00-0469	EA	3 3/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	142.12	20.04
23 51 16 00-0470	EA	4 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	137.37	20.78
23 51 16 00-0471	EA	4 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	143.94	20.78
23 51 16 00-0472	EA	4 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	150.51	20.78
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	119.83	19.04
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	153.29	20.04
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	139.64	28.56
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	183.48	30.08
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	216.69	31.16
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	238.64	32.43
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	50.02	16.50
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	59.79	18.33
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	60.14	18.91
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	75.02	21.01
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	90.62	25.01
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	125.18	36.91
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	151.54	41.02
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	55.29	16.50
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	71.06	18.91
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	116.17	25.01
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	60.85	19.04
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	71.31	20.04
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	89.02	20.78
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	59.86	19.04
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	70.65	20.04
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	87.87	20.78
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	38.97	9.53
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	45.37	10.02
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	50.81	10.39
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	99.22	10.02
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	113.99	10.80

23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)

23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	19.84	4.77
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	18.92	5.02
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	19.49	5.19
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	30.71	5.41
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	37.45	7.15
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	43.98	7.51
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	51.02	7.79
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	35.62	7.15
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	35.55	7.79
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	43.29	8.11
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	27.21	7.51
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	54.22	19.04
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	59.77	20.04
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	64.35	20.78
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	71.86	21.63
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.22	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.72	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.39	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.55	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	16.42	4.77
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	18.60	5.02
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	20.03	5.19
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	22.14	5.41
23 51 16 00-0524	EA	2 1/4" Polypropylene Flue/Vent Air Intake, White	82.57	9.53
23 51 16 00-0525	EA	3 3/5" Polypropylene Flue/Vent Air Intake, White	84.64	10.02
23 51 16 00-0526	EA	4 1/6" Polypropylene Flue/Vent Air Intake, White	62.88	10.39
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	71.78	7.15
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	74.03	7.51
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	99.41	7.79
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	168.46	8.11

23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	12.95	1.68
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.20	1.68
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	15.92	1.98
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	13.72	1.98
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	22.96	2.43
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	19.58	2.43

23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	91.15	19.04
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0540 EA 2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	102.12	19.04
23 51 16 00-0541 EA 3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	208.17	20.04
23 51 16 00-0542 EA 4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	380.54	20.78
23 51 16 00-0543 EA 2" Polypropylene Flue/Vent Coupler, Flex to Flex	105.36	19.04
23 51 16 00-0544 EA 3" Polypropylene Flue/Vent Coupler, Flex to Flex	248.26	20.04
23 51 16 00-0545 EA 4" Polypropylene Flue/Vent Coupler, Flex to Flex	643.42	20.78
23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51 16 00-0547 EA 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	119.92	19.04
23 51 16 00-0548 EA 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	110.76	20.04
23 51 16 00-0549 EA 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	137.01	20.78
23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)		
23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51 16 00-0552 EA 3" Aluminum Vent Cap (Star-Kap® 3-SK)	114.51	18.87
23 51 16 00-0553 EA 4" Aluminum Vent Cap (Star-Kap® 4-SK)	121.81	18.50
23 51 16 00-0554 EA 5" Aluminum Vent Cap (Star-Kap® 5-SK)	132.13	19.38
23 51 16 00-0555 EA 6" Aluminum Vent Cap (Star-Kap® 6-SK)	184.76	20.26
23 51 16 00-0556 EA 8" Aluminum Vent Cap (Star-Kap® 8-SK)	206.65	22.54
23 51 16 00-0557 EA 10" Aluminum Vent Cap (Star-Kap® 10-SK)	592.53	23.82
23 51 16 00-0558 EA 12" Aluminum Vent Cap (Star-Kap® 12-SK)	607.20	25.33
23 52 Heating Boilers (23 50)		
23 52 13 Electric Boilers (23 52)		
23 52 13 00-0001 Packaged Electric Steam Boiler (23 52 13)		
Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.		
23 52 13 00-0002 EA 12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,468.96	683.85
23 52 13 00-0003 EA 24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,145.07	797.82
23 52 13 00-0004 EA 36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	9,801.53	854.81
23 52 13 00-0005 EA 48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	10,900.16	911.79
23 52 13 00-0006 EA 60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	11,972.70	968.78
23 52 13 00-0007 EA 80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	13,964.60	1,082.75
23 52 13 00-0008 EA 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	15,956.61	1,196.73
23 52 13 00-0009 EA 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	16,616.94	1,253.72
23 52 13 00-0010 EA 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	17,525.02	1,310.70
23 52 13 00-0011 EA 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	22,846.06	1,424.68
23 52 13 00-0012 EA 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	23,804.06	1,481.67
23 52 13 00-0013 EA 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	24,984.71	1,610.22
23 52 13 00-0014 EA 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	26,023.86	1,729.49
23 52 13 00-0015 EA 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	28,068.89	1,848.77
23 52 13 00-0016 EA 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	30,227.30	2,027.69
23 52 13 00-0017 EA 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	32,150.82	2,087.32
23 52 13 00-0018 EA 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	33,702.09	2,146.95
23 52 13 00-0019 EA 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	35,859.48	2,206.60
23 52 13 00-0020 EA 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	38,017.47	2,266.23
23 52 13 00-0021 EA 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	40,677.00	2,385.51
23 52 13 00-0022 EA 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	43,420.03	2,504.78
23 52 13 00-0023 EA 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	46,103.42	2,564.43
23 52 13 00-0024 EA 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	51,042.90	2,624.06
23 52 13 00-0025 EA 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	54,972.58	2,743.34
23 52 13 00-0026 EA 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	56,302.34	2,862.61
23 52 13 00-0027 EA 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	61,852.21	3,041.52
23 52 13 00-0028 EA 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	63,880.79	3,220.44
23 52 13 00-0029 EA 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	66,028.63	3,399.35
23 52 13 00-0030 EA 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	70,086.66	3,578.26
23 52 13 00-0031 EA 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	71,893.98	3,697.54
23 52 13 00-0032 EA 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	74,263.98	3,936.09
23 52 13 00-0033 EA 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	76,804.23	4,174.64
23 52 13 00-0034 EA 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	83,845.94	4,413.20
23 52 13 00-0035 EA 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	88,381.08	4,651.75
23 52 13 00-0036 Packaged Electric Hot Water Boiler (23 52 13)		
Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.		
23 52 13 00-0037 EA 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,443.04	626.86
23 52 13 00-0038 EA 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	7,831.32	683.85
23 52 13 00-0039 EA 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,219.60	740.83
23 52 13 00-0040 EA 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	8,601.24	797.82
23 52 13 00-0041 EA 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,045.26	854.81
23 52 13 00-0042 EA 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	9,365.59	911.79
23 52 13 00-0043 EA 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	9,753.87	968.78
23 52 13 00-0044 EA 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	10,336.29	1,025.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0045	EA		84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	10,863.83	1,082.75
23 52 13 00-0046	EA		90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	11,174.45	1,139.74
23 52 13 00-0047	EA		105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	12,005.55	1,196.73
23 52 13 00-0048	EA		120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	12,794.89	1,253.72
23 52 13 00-0049	EA		135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	14,227.80	1,310.70
23 52 13 00-0050	EA		150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	15,177.17	1,367.69
23 52 13 00-0051	EA		165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	15,964.68	1,424.68
23 52 13 00-0052	EA		180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	17,303.00	1,481.67
23 52 13 00-0053	EA		195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	18,868.38	1,610.22
23 52 13 00-0054	EA		225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	20,268.97	1,729.49
23 52 13 00-0055	EA		240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	21,798.56	1,848.77
23 52 13 00-0056	EA		270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	23,318.43	2,027.69
23 52 13 00-0057	EA		300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	24,848.02	2,146.95
23 52 13 00-0058	EA		330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	26,284.71	2,266.23
23 52 13 00-0059	EA		360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	28,317.79	2,325.87
23 52 13 00-0060	EA		390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	30,170.50	2,385.51
23 52 13 00-0061	EA		420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	31,945.54	2,504.78
23 52 13 00-0062	EA		450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	33,805.32	2,504.78
23 52 13 00-0063	EA		504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	37,018.99	2,564.43
23 52 13 00-0064	EA		612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	38,725.38	2,624.06
23 52 13 00-0065	EA		684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	40,895.65	2,743.34
23 52 13 00-0066	EA		720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	42,519.51	2,802.98
23 52 13 00-0067	EA		750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	44,149.46	2,862.61
23 52 13 00-0068	EA		810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	45,377.79	3,041.52
23 52 13 00-0069	EA		900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	47,590.54	3,220.44
23 52 13 00-0070	EA		1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	55,326.21	3,399.35
23 52 13 00-0071	EA		1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	60,683.56	3,578.26
23 52 13 00-0072	EA		1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	63,016.83	3,697.54
23 52 13 00-0073	EA		1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	65,622.49	3,936.09
23 52 13 00-0074	EA		1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	68,228.16	4,174.64
23 52 13 00-0075	EA		1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	75,575.01	4,413.20
23 52 13 00-0076	EA		1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	80,323.20	4,651.75
23 52 13 00-0077	EA		1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	82,346.44	4,771.02
23 52 13 00-0078	EA		1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	84,369.69	4,890.30
23 52 13 00-0079	EA		1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	84,846.79	5,069.21
23 52 13 00-0080	EA		2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	91,073.22	5,188.49
23 52 13 00-0081	EA		2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	95,238.99	5,367.40
23 52 13 00-0082	EA		2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	102,255.94	5,725.23
23 52 13 00-0083	EA		2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	110,249.31	6,321.61
23 52 13 00-0084	EA		3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	119,465.88	7,037.26
23 52 13 00-0085	EA		3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	126,482.84	7,752.91

23 52 16 Condensing Boilers (23 52)

23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,533.09	455.89
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,266.01	607.25
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,151.50	683.73
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,001.01	721.80
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	19,786.49	835.78
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	22,896.13	911.68
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	30,911.33	1,063.61
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	42,940.20	1,215.65
Note: Includes vent manifold.					
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	52,494.01	1,329.62
Note: Includes vent manifold.					
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	75,747.47	1,557.45
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	83,468.77	1,671.43

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	40,870.88	987.70
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	42,746.66	1,063.61
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	47,949.50	1,215.65
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	51,701.05	1,367.58
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	57,169.53	1,481.55
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	65,463.75	1,557.45
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	79,015.58	1,671.43

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	78,069.58	1,823.36
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	90,397.33	1,899.38
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	104,750.83	1,975.39



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0025				Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)		
				Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0026	EA			80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	8,057.42	493.85
23 52 16 13-0027	EA			105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	9,199.09	569.87
23 52 16 13-0028	EA			150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	10,317.20	683.73
23 52 16 13-0029	EA			210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	11,489.74	759.75
23 52 16 13-0030	EA			285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	14,428.13	835.78
23 52 16 13-0031	EA			399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	18,809.67	911.68
23 52 16 13-0032	EA			500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	22,573.98	987.70
23 52 16 13-0033	EA			600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600).....	25,052.33	1,063.61
23 52 16 13-0034	EA			750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750).....	27,209.18	1,139.63
23 52 16 13-0035	EA			850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850).....	29,593.99	1,291.56
23 52 16 13-0036	EA			1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000).....	42,009.44	1,367.58
23 52 16 13-0037	EA			1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700).....	55,798.47	1,595.52
23 52 16 13-0038	EA			150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150).....	18,600.71	683.73
23 52 16 13-0039	EA			199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199).....	21,564.82	911.79
23 52 16 13-0040	EA			285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285).....	28,228.54	1,025.76
23 52 16 13-0041	EA			399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399).....	35,448.49	1,253.72
23 52 16 13-0042	EA			500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500).....	41,882.72	1,367.69
23 52 16 13-0043	EA			600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600).....	47,362.15	1,481.67
23 52 16 13-0044	EA			750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750).....	56,855.33	1,595.63
23 52 16 13-0045	EA			850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850).....	63,011.07	1,709.61
23 52 16 13-0046	EA			1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000).....	82,871.48	1,823.59
23 52 16 13-0047	EA			1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700).....	111,401.05	2,393.46
23 52 16 13-0048				AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)		
				Note: Rated by gross rated output.		
23 52 16 13-0049	EA			1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN).....	65,843.53	1,557.45
				Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0050	EA			2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN).....	78,316.52	1,671.43
				Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0051	EA			3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	113,162.06	1,861.43
				Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0052	EA			3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	120,696.42	1,861.43
				Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0053				Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)		
				Note: Rated by gross rated output.		
23 52 16 13-0054	EA			184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211).....	11,169.38	683.73
23 52 16 13-0055	EA			264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N).....	14,418.24	759.75
23 52 16 13-0056				Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)		
				Note: Rated by gross rated output.		
23 52 16 13-0057	EA			387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N).....	16,377.31	873.72
23 52 16 13-0058	EA			485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N).....	20,369.02	911.68
23 52 16 13-0059	EA			631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N).....	24,962.06	987.70
23 52 16 13-0060	EA			776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N).....	29,890.50	1,025.65
23 52 16 13-0061	EA			969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N).....	36,509.59	1,101.67
23 52 16 13-0062				Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)		
				Note: Rated by gross rated output.		
23 52 16 13-0063	EA			1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251).....	46,246.20	1,291.32
23 52 16 13-0064	EA			1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501).....	47,771.41	1,481.55
23 52 16 13-0065	EA			1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751).....	52,357.99	1,576.26
23 52 16 13-0066	EA			1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001).....	56,944.58	1,671.43
23 52 16 13-0067	EA			2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501).....	66,757.20	1,747.45
23 52 16 13-0068	EA			2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001).....	73,933.25	1,823.36
23 52 16 13-0069	EA			3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501).....	90,756.31	1,899.38
23 52 16 13-0070	EA			3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001).....	100,247.18	1,975.28
23 52 16 13-0071	EA			4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001).....	122,902.43	2,051.19
23 52 16 13-0072				Patterson Kelley Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0073				Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series (23 52 16 13-0072)		
23 52 16 13-0074	EA			1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500).....	47,517.18	1,557.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0075 EA 3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000).....	73,037.47	1,861.43
23 52 16 13-0076 Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series (23 52 16 13-0072)		
23 52 16 13-0077 EA 650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650).....	24,776.38	1,101.67
23 52 16 13-0078 EA 1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000).....	29,790.01	1,367.58
23 52 16 13-0079 EA 2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000).....	50,506.24	1,671.43
23 52 16 13-0080 EA 4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000).....	86,713.05	1,975.39
23 52 16 13-0081 Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series (23 52 16 13-0072)		
23 52 16 13-0082 EA 1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250).....	36,292.63	1,443.48
23 52 16 13-0083 EA 2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000).....	59,722.15	1,671.43
23 52 16 13-0084 EA 4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000).....	88,673.88	1,975.39
23 52 16 16 Aluminum Condensing Boilers (23 52 16)		
23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)		
Note: Rated by gross rated output.		
23 52 16 16-0002 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	9,096.09	493.85
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	10,017.30	569.87
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	11,283.59	683.73
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	12,666.98	759.75
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	16,475.26	873.72
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0007 Patterson Kelley Mach Series Aluminum Condensing Boilers (23 52 16 16)		
Note: Rated by gross rated output.		
23 52 16 16-0008 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300).....	16,154.51	835.78
23 52 16 16-0009 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450).....	18,154.46	949.74
23 52 16 16-0010 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750).....	20,634.20	1,139.63
23 52 16 16-0011 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900).....	30,304.77	1,291.56
23 52 16 16-0012 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050).....	31,669.49	1,367.58
23 52 16 16-0013 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500).....	48,756.99	1,557.45
23 52 16 16-0014 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000).....	52,787.41	1,671.43
23 52 16 16-0015 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500).....	79,142.55	1,823.36
23 52 16 16-0016 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	91,860.24	1,861.43
23 52 16 16-0017 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	104,517.00	1,975.39
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24).....	6,878.01	455.89
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30).....	7,987.72	531.80
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45).....	9,208.49	645.78
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60).....	10,079.45	721.80
Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	349.52	113.98
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	450.59	113.98
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	936.88	113.98
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80).....	11,393.19	835.78
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100).....	14,060.54	873.72
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2).....	27,172.18	1,025.65
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	25,390.82	1,025.65
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,506.87	1,101.67
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	30,725.52	1,101.67
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	37,792.98	1,291.56
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	45,681.08	1,367.58
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	46,952.91	1,443.48
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	47,666.35	1,443.48
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	57,280.39	1,481.55
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	57,993.84	1,481.55
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35).....	765.84	113.98
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16) Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	16,323.51	835.78
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	19,035.09	911.68
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	23,848.80	1,006.62
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	27,414.73	1,101.67
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	32,795.34	1,215.65
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	36,213.19	1,329.62
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	498.47	56.99
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	275.10	56.99
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	387.88	56.99
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	806.80	56.99
23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)		
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19) Note: Rated by gross rated output.		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	45,704.92	1,443.48
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	51,530.97	1,595.52
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	56,383.97	1,671.43
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	60,842.13	1,747.45
23 52 16 23 Cast Iron Condensing Boilers (23 52 16)		
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23) Note: Rated by gross rated output.		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,104.34	721.80
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	23,561.63	911.68
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	38,701.48	1,063.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 23-0005	EA		1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	50,797.77	1,367.58
23 52 16 23-0006	EA		1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	88,203.07	1,595.52
23 52 16 23-0007	EA		1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	73,841.34	1,671.43
23 52 16 23-0008	EA		2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	122,793.81	1,823.36
23 52 16 23-0009	EA		3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	134,332.51	1,861.43

23 52 23 Cast-Iron Boilers (23 52)

23 52 23 00-0001			Weil-McLain Model 80 Cast Iron Boiler (23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002			Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA		209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)..... Note: Includes field assembly of individual sections and testing.	17,167.11	3,345.75
23 52 23 00-0004	EA		297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)..... Note: Includes field assembly of individual sections and testing.	18,770.85	3,568.80
23 52 23 00-0005	EA		386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)..... Note: Includes field assembly of individual sections and testing.	20,526.07	3,791.84
23 52 23 00-0006	EA		476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)..... Note: Includes field assembly of individual sections and testing.	22,158.41	4,014.90
23 52 23 00-0007	EA		565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)..... Note: Includes field assembly of individual sections and testing.	23,665.98	4,237.95
23 52 23 00-0008	EA		654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)..... Note: Includes field assembly of individual sections and testing.	25,729.39	4,460.99
23 52 23 00-0009	EA		743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)..... Note: Includes field assembly of individual sections and testing.	27,324.34	4,684.05
23 52 23 00-0010	EA		833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)..... Note: Includes field assembly of individual sections and testing.	28,590.71	4,907.10
23 52 23 00-0011	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)..... Note: Includes field assembly of individual sections and testing.	29,852.45	5,130.14
23 52 23 00-0012	EA		1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)..... Note: Includes field assembly of individual sections and testing.	31,309.26	5,353.20
23 52 23 00-0013			Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0014	EA		209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package unit.	12,298.37	477.11
23 52 23 00-0015	EA		297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package unit.	13,665.32	477.11
23 52 23 00-0016	EA		386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package unit.	15,663.45	596.38
23 52 23 00-0017	EA		476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package unit.	17,057.26	596.38
23 52 23 00-0018	EA		565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package unit.	18,808.02	715.65
23 52 23 00-0019	EA		654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package unit.	20,651.35	715.65
23 52 23 00-0020	EA		743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package unit.	22,486.93	834.92
23 52 23 00-0021	EA		833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package unit.	23,994.54	954.20
23 52 23 00-0022	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package unit.	25,022.22	954.20
23 52 23 00-0023	EA		1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package unit.	26,717.86	1,073.48
23 52 23 00-0024			Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380)..... Note: Includes field assembly of individual sections and testing.	17,965.79	3,345.75
23 52 23 00-0026	EA		297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,712.31	3,568.80
23 52 23 00-0027	EA		386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,381.30	3,791.84
23 52 23 00-0028	EA		476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,245.47	4,014.90
23 52 23 00-0029	EA		565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,782.72	4,237.95
23 52 23 00-0030	EA		654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,027.08	4,460.99
23 52 23 00-0031	EA		743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,438.26	4,684.05
23 52 23 00-0032	EA		833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	29,810.65	4,907.10
23 52 23 00-0033	EA		922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	31,073.80	5,130.14
23 52 23 00-0034	EA		1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,568.78	5,353.20



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 52 23 00-0035			Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
	23 52 23 00-0036	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,097.05	477.11
	23 52 23 00-0037	EA		297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,606.78	477.11
	23 52 23 00-0038	EA		386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,518.68	596.38
	23 52 23 00-0039	EA		476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,144.32	596.38
	23 52 23 00-0040	EA		565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,924.76	715.65
	23 52 23 00-0041	EA		654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,949.04	715.65
	23 52 23 00-0042	EA		743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,600.85	834.92
	23 52 23 00-0043	EA		833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,214.47	954.20
	23 52 23 00-0044	EA		922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,243.57	954.20
	23 52 23 00-0045	EA		1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,977.37	1,073.48
	23 52 23 00-0046			Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
	23 52 23 00-0047			Gas Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
	23 52 23 00-0048	EA		629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	27,928.51	5,018.62
	23 52 23 00-0049	EA		845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	30,844.66	5,325.32
	23 52 23 00-0050	EA		1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	34,453.58	5,632.01
	23 52 23 00-0051	EA		1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	37,633.68	5,938.70
	23 52 23 00-0052	EA		1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	40,399.05	6,245.40
	23 52 23 00-0053	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	44,405.38	6,552.09
	23 52 23 00-0054	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	47,196.76	6,858.79
	23 52 23 00-0055	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	49,666.54	7,165.47
	23 52 23 00-0056	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	52,962.86	7,472.17
	23 52 23 00-0057	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	55,614.71	7,778.86
	23 52 23 00-0058	EA		2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	59,964.94	8,085.56
	23 52 23 00-0059	EA		3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	62,488.30	8,392.25
	23 52 23 00-0060	EA		3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	65,164.56	8,698.94
	23 52 23 00-0061	EA		3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	68,146.24	9,005.63
	23 52 23 00-0062	EA		3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	70,572.75	9,312.33
	23 52 23 00-0063			Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
	23 52 23 00-0064	EA		629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	22,506.72	834.92
	23 52 23 00-0065	EA		845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	25,528.29	954.20
	23 52 23 00-0066	EA		1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	29,259.51	1,073.48
	23 52 23 00-0067	EA		1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	32,531.30	1,192.75
	23 52 23 00-0068	EA		1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	34,923.11	1,192.75
	23 52 23 00-0069	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	39,038.80	1,312.03
	23 52 23 00-0070	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	41,460.30	1,312.03
	23 52 23 00-0071	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	44,035.20	1,431.31
	23 52 23 00-0072	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	46,962.77	1,431.31
	23 52 23 00-0073	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	49,720.04	1,550.58
	23 52 23 00-0074	EA		2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	52,391.02	1,669.86

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0075 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	54,545.35	1,669.86
Note: Fire tested factory assembled package unit.		
23 52 23 00-0076 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	57,328.02	1,789.14
Note: Fire tested factory assembled package unit.		
23 52 23 00-0077 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	59,938.94	1,789.14
Note: Fire tested factory assembled package unit.		
23 52 23 00-0078 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	62,501.05	1,908.41
Note: Fire tested factory assembled package unit.		
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488)	28,912.37	5,018.62
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0081 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588)	31,822.87	5,325.32
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0082 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	35,686.24	5,632.01
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0083 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	38,990.73	5,938.70
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0084 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	41,617.58	6,245.40
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0085 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988).....	45,547.57	6,552.09
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0086 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088).....	48,911.46	6,858.79
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0087 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188).....	51,381.24	7,165.47
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0088 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288).....	54,643.63	7,472.17
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0089 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388).....	58,017.83	7,778.86
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0090 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488).....	62,489.63	8,085.56
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0091 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588).....	65,862.56	8,392.25
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0092 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688).....	67,687.84	8,698.94
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0093 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788).....	70,593.19	9,005.63
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0094 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888).....	73,046.55	9,312.33
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	23,490.59	834.92
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	26,506.50	954.20
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	30,478.03	1,073.48
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	33,888.35	1,192.75
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	36,144.46	1,192.75
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	40,180.99	1,312.03
Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.		
23 52 23 00-0102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	43,175.00	1,312.03
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	45,749.90	1,431.31
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	48,643.54	1,431.31
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	52,130.22	1,550.58
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	54,915.71	1,669.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	56,506.01	1,669.86
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	59,851.30	1,789.14
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788)	62,385.88	1,789.14
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0110 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	64,946.58	1,908.41
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small>		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0113 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	76,296.95	9,758.43
23 52 23 00-0114 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	82,729.05	10,316.05
23 52 23 00-0115 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	88,602.11	10,873.68
23 52 23 00-0116 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	94,352.28	11,431.31
23 52 23 00-0117 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	100,156.05	11,988.93
23 52 23 00-0118 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	107,556.55	12,546.55
23 52 23 00-0119 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	113,024.21	13,104.18
23 52 23 00-0120 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	118,314.31	13,661.80
23 52 23 00-0121 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	126,933.43	14,219.43
23 52 23 00-0122 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	132,220.48	14,777.05
23 52 23 00-0123 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	136,753.98	15,334.68
23 52 23 00-0124 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	145,072.21	15,892.30
23 52 23 00-0125 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	150,403.30	16,449.92
23 52 23 00-0126 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	158,913.06	17,007.55
23 52 23 00-0127 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	164,525.84	17,565.18
23 52 23 00-0128 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	170,668.69	18,122.80
23 52 23 00-0129 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	175,942.91	18,680.43
23 52 23 00-0130 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	181,369.15	19,238.05
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0132 EA 1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	68,846.04	1,550.58
23 52 23 00-0133 EA 1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	75,086.37	1,669.86
23 52 23 00-0134 EA 2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	80,764.10	1,789.14
23 52 23 00-0135 EA 2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	86,323.04	1,908.41
23 52 23 00-0136 EA 2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	91,454.41	1,908.41
23 52 23 00-0137 EA 2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	96,880.64	2,027.69
23 52 23 00-0138 EA 2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	101,676.98	2,027.69
23 52 23 00-0139 EA 3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	106,773.67	2,146.95
23 52 23 00-0140 EA 3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	114,722.34	2,146.95
23 52 23 00-0141 EA 3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	119,817.60	2,266.23
23 52 23 00-0142 EA 3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	123,679.56	2,266.23
23 52 23 00-0143 EA 4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	131,807.13	2,385.51
23 52 23 00-0144 EA 4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	136,466.36	2,385.51
23 52 23 00-0145 EA 4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	144,808.82	2,504.78
23 52 23 00-0146 EA 4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	149,723.90	2,504.78
23 52 23 00-0147 EA 4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	155,671.63	2,624.06
23 52 23 00-0148 EA 5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	160,275.72	2,624.06
23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594)..... Note: Fire tested factory assembled package cast iron unit.	165,508.10	2,743.34
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	72,078.77	9,758.43
23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	78,510.87	10,316.05

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	86,337.52	10,873.68
23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	91,577.38	11,431.31
23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	97,033.41	11,988.93
23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	104,045.17	12,546.55
23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	109,775.76	13,104.18
23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	115,068.68	13,661.80
23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	124,697.12	14,219.43
23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	129,985.58	14,777.05
23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	135,272.53	15,334.68
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	145,082.11	15,892.30
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	150,413.19	16,449.92
23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	159,150.55	17,007.55
23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	164,761.91	17,565.18
23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	170,783.20	18,122.80
23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	176,057.41	18,680.43
23 52 23 00-0168 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	181,492.13	19,238.05
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
23 52 23 00-0170 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	64,398.86	1,550.58
23 52 23 00-0171 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	70,639.19	1,669.86
23 52 23 00-0172 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	78,270.51	1,789.14
23 52 23 00-0173 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	83,319.14	1,908.41
23 52 23 00-0174 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	88,102.76	1,908.41
23 52 23 00-0175 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	93,140.25	2,027.69
23 52 23 00-0176 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	98,199.53	2,027.69
23 52 23 00-0177 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	103,296.21	2,146.95
23 52 23 00-0178 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	112,257.02	2,146.95
23 52 23 00-0179 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	117,350.87	2,266.23
23 52 23 00-0180 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	121,969.10	2,266.23
23 52 23 00-0181 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	131,588.02	2,385.51
23 52 23 00-0182 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	136,247.25	2,385.51
23 52 23 00-0183 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	144,789.03	2,504.78
23 52 23 00-0184 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	149,730.97	2,504.78
23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	155,557.12	2,624.06
23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	160,161.22	2,624.06
23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	165,402.08	2,743.34
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	77,622.91	9,758.43
23 52 23 00-0190 EA 1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	84,056.42	10,316.05
23 52 23 00-0191 EA 2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	90,291.36	10,873.68
23 52 23 00-0192 EA 2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	96,184.30	11,431.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 52 23 00-0193	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	101,955.56	11,988.93
	23 52 23 00-0194	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	108,220.94	12,546.55
	23 52 23 00-0195	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	115,230.84	13,104.18
	23 52 23 00-0196	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	120,868.68	13,661.80
	23 52 23 00-0197	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	129,709.74	14,219.43
	23 52 23 00-0198	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	134,996.79	14,777.05
	23 52 23 00-0199	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	139,629.24	15,334.68
	23 52 23 00-0200	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	148,043.60	15,892.30
	23 52 23 00-0201	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	154,788.28	16,449.92
	23 52 23 00-0202	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	164,055.74	17,007.55
	23 52 23 00-0203	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	169,626.11	17,565.18
	23 52 23 00-0204	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	176,031.89	18,122.80
	23 52 23 00-0205	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	181,307.52	18,680.43
	23 52 23 00-0206	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	186,738.00	19,238.05
	23 52 23 00-0207			Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
	23 52 23 00-0208	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	70,275.19	1,550.58
	23 52 23 00-0209	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	76,516.93	1,669.86
	23 52 23 00-0210	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	82,560.78	1,789.14
	23 52 23 00-0211	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	88,259.67	1,908.41
	23 52 23 00-0212	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	93,358.52	1,908.41
	23 52 23 00-0213	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	97,648.22	2,027.69
	23 52 23 00-0214	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	103,986.81	2,027.69
	23 52 23 00-0215	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	109,429.82	2,146.95
	23 52 23 00-0216	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	117,603.26	2,146.95
	23 52 23 00-0217	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	122,695.69	2,266.23
	23 52 23 00-0218	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	126,658.01	2,266.23
	23 52 23 00-0219	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	134,881.71	2,385.51
	23 52 23 00-0220	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	140,955.95	2,385.51
	23 52 23 00-0221	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	150,027.83	2,504.78
	23 52 23 00-0222	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	154,928.78	2,504.78
	23 52 23 00-0223	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	161,138.02	2,624.06
	23 52 23 00-0224	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	165,743.53	2,624.06
	23 52 23 00-0225	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)..... Note: Fire tested factory assembled package cast iron unit.	170,981.56	2,743.34
	23 52 33			Water-Tube Boilers <small>(23 52)</small>		
	23 52 33 13			Finned Water-Tube Boilers <small>(23 52 33)</small>		
	23 52 33 13-0001			Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler <small>(23 52 33 13)</small> Note: Rated by gross rated output.		
	23 52 33 13-0002	EA		200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,079.07	677.00
	23 52 33 13-0003	EA		300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,993.20	752.23
	23 52 33 13-0004	EA		400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	11,490.33	902.67
	23 52 33 13-0005	EA		500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	14,619.75	940.29
	23 52 33 13-0006	EA		750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	17,181.33	1,128.35
	23 52 33 13-0007	EA		1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	21,103.51	1,354.02
	23 52 33 13-0008	EA		1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	23,944.10	1,429.24
	23 52 33 13-0009	EA		1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	26,511.78	1,542.07

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33	13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	28,892.24	1,617.29
23 52 33	13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	30,982.01	1,654.91
23 52 33	13-0012		Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler <small>(23 52 33 13)</small>		
			Note: Rated by gross rated output.		
23 52 33	13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,421.91	1,354.02
23 52 33	13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	39,205.59	1,542.07
23 52 33	13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	41,779.63	1,654.91
23 52 33	13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	58,992.66	1,880.57
23 52 33	13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	61,911.81	2,106.24
23 52 33	13-0018		Lochinvar Copper-Fin II Finned Tube Boiler <small>(23 52 33 13)</small>		
			Note: Rated by gross rated output.		
23 52 33	13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,058.18	607.49
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	16,876.47	759.07
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	18,109.43	911.79
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	18,607.16	911.79
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	23,081.35	1,139.74
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	26,734.14	1,139.74
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	29,150.43	1,139.74
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	31,419.61	1,367.69
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	37,161.50	1,595.63
			For High And Low Gas Pressure Switch With Manual Reset, Add	521.83	
			For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	462.27	
23 52 33	13-0028		Raypak Cupro-Nickel Finned-Tube Boiler With Pump <small>(23 52 33 13)</small>		
			Note: Rated by gross rated output.		
23 52 33	13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	13,546.42	834.98
23 52 33	13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	14,584.35	752.23
23 52 33	13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	16,223.76	902.67
23 52 33	13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	17,218.73	1,024.74
23 52 33	13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	19,126.90	1,128.35
23 52 33	13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	20,573.05	1,214.51
23 52 33	13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	23,508.32	1,354.02
23 52 33	13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	27,335.01	1,429.24
23 52 33	13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	29,000.41	1,542.07
23 52 33	13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	34,702.62	1,579.68
23 52 33	13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	34,816.60	1,617.29
23 52 33	13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	40,770.20	1,654.91
23 52 33	16		Steel Water-Tube Boilers <small>(23 52 33)</small>		
23 52 33	16-0001		Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small>		
			Note: Compliant with BAAQMD.		
23 52 33	16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	87,876.07	1,823.59
23 52 33	16-0003	EA	1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	94,488.83	2,279.48
23 52 33	16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	96,210.38	2,507.43
23 52 33	16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	103,632.89	2,735.37
23 52 33	16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	107,167.22	3,077.30
23 52 33	16-0007	EA	3,750 MBH Input/3,188 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	118,299.87	3,419.22
23 52 33	16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	123,277.89	3,533.20



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 33 16-0009		Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small>		
		Note: Compliant with BAAQMD.		
23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	102,582.17	2,051.54
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	107,699.11	2,393.46
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	110,688.53	2,621.41
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	123,809.78	2,849.35
23 52 33 16-0014	EA	3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	128,381.82	3,077.30
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	137,297.92	3,419.22
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	145,361.02	3,647.17
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	243,021.51	3,875.11
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	263,109.38	4,103.07
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	276,864.58	4,331.02
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	283,970.13	4,558.96

23 52 33 16-0021		Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small>		
		Note: Compliant with BAAQMD.		
23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	110,497.47	2,051.54
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	117,199.24	2,393.46
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	121,454.31	2,621.41
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	134,892.53	2,849.35
23 52 33 16-0026	EA	3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	139,464.57	3,077.30
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	146,798.06	3,419.22
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	155,171.47	3,647.17
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	252,204.67	3,875.11
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	273,877.38	4,103.07
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	282,565.55	4,331.02
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	294,738.13	4,558.96
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	327,808.34	4,786.91
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	474,396.94	5,014.86
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	498,443.58	5,242.81

23 52 36		Fire-Box Boiler <small>(23 52)</small>		
23 52 36 00-0001		Package Oil Fired Firebox Boilers <small>(23 52 36)</small>		
		Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.		
23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	83,994.58	2,862.61
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	87,821.76	3,101.17
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	91,953.44	3,339.72
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	99,435.18	3,578.26
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	103,871.38	3,816.81
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	108,231.61	4,055.37
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	120,372.92	4,293.92
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	139,280.34	4,771.02
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	158,507.62	5,248.12
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	173,894.81	5,784.86
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	189,282.16	6,321.61
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	199,043.05	7,395.08
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	242,532.61	8,468.56
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	287,088.08	9,542.04
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	332,110.59	10,734.79
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water.....	376,079.83	11,629.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 52 39 Fire-Tube Boilers (23 52)**23 52 39 13 Scotch Marine Boilers (23 52 39)**

23 52 39 13-0001	15 PSI Steam Scotch Marine Boilers (23 52 39 13)		
Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.			
23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)			
23 52 39 13-0003	EA 30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,967.10	1,312.03
23 52 39 13-0004	EA 40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,086.67	1,431.31
23 52 39 13-0005	EA 50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,295.12	1,550.58
23 52 39 13-0006	EA 60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,832.19	1,789.14
23 52 39 13-0007	EA 70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,752.07	1,908.41
23 52 39 13-0008	EA 80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,769.89	2,027.69
23 52 39 13-0009	EA 90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,540.28	2,087.32
23 52 39 13-0010	EA 100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,680.90	2,146.95
23 52 39 13-0011	EA 125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,437.08	2,385.51
23 52 39 13-0012	EA 150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,480.47	2,624.06
23 52 39 13-0013	EA 175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,636.13	2,892.43
23 52 39 13-0014	EA 200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,789.35	3,160.80
23 52 39 13-0015	EA 250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,049.59	3,697.54
23 52 39 13-0016	EA 300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	192,176.01	4,234.29
23 52 39 13-0017	EA 350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,074.34	4,771.02
23 52 39 13-0018	EA 400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,943.53	5,307.76
23 52 39 13-0019	EA 500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	297,407.16	5,844.50
23 52 39 13-0020	EA 600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	347,864.30	6,381.24
23 52 39 13-0021	EA 700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	396,169.45	6,917.98
23 52 39 13-0022	EA 800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	442,541.99	7,454.72
23 52 39 13-0023	EA 900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	688,486.22	7,991.46
23 52 39 13-0024	EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	749,079.64	8,528.19
23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)			
23 52 39 13-0026	EA 30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	62,081.35	1,312.03
23 52 39 13-0027	EA 40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,833.18	1,431.31
23 52 39 13-0028	EA 50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,584.81	1,550.58
23 52 39 13-0029	EA 60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,100.38	1,789.14
23 52 39 13-0030	EA 70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,529.93	1,908.41
23 52 39 13-0031	EA 80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,953.88	2,027.69
23 52 39 13-0032	EA 90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,147.59	2,087.32
23 52 39 13-0033	EA 100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,509.46	2,146.95
23 52 39 13-0034	EA 125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,540.62	2,385.51
23 52 39 13-0035	EA 150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,593.15	2,624.06
23 52 39 13-0036	EA 175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,761.00	2,892.43
23 52 39 13-0037	EA 200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,926.40	3,160.80
23 52 39 13-0038	EA 250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,192.72	3,697.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0039 EA 300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	192,352.65	4,234.29
23 52 39 13-0040 EA 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,263.16	4,771.02
23 52 39 13-0041 EA 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	245,168.90	5,307.76
23 52 39 13-0042 EA 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	297,681.25	5,844.50
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	348,187.13	6,381.24
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	396,537.96	6,917.98
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	442,956.18	7,454.72
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	689,140.96	7,991.46
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	749,795.89	8,528.19
23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0001)</small>		
23 52 39 13-0049 EA 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,105.49	1,312.03
23 52 39 13-0050 EA 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,386.02	1,431.31
23 52 39 13-0051 EA 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,789.39	1,550.58
23 52 39 13-0052 EA 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,932.51	1,789.14
23 52 39 13-0053 EA 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,602.65	1,908.41
23 52 39 13-0054 EA 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,267.20	2,027.69
23 52 39 13-0055 EA 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,698.46	2,087.32
23 52 39 13-0056 EA 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,130.56	2,146.95
23 52 39 13-0057 EA 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,749.50	2,385.51
23 52 39 13-0058 EA 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,389.82	2,624.06
23 52 39 13-0059 EA 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	143,020.58	2,892.43
23 52 39 13-0060 EA 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,645.85	3,160.80
23 52 39 13-0061 EA 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,168.00	3,697.54
23 52 39 13-0062 EA 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,661.85	4,234.29
23 52 39 13-0063 EA 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,144.91	4,771.02
23 52 39 13-0064 EA 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	254,500.31	5,307.76
23 52 39 13-0065 EA 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	309,111.01	5,844.50
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	361,629.96	6,381.24
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	411,908.60	6,917.98
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	460,169.35	7,454.72
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	716,525.61	7,991.46
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	779,614.93	8,528.19
23 52 39 13-0071 125 PSI Water Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072 125 PSI Gas Fired Water Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	79,258.82	1,431.31
23 52 39 13-0074 EA 50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,936.10	1,550.58
23 52 39 13-0075 EA 60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	95,564.35	1,789.14
23 52 39 13-0076 EA 70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,724.64	1,908.41
23 52 39 13-0077 EA 80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,034.64	2,027.69

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0078 EA 90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,844.44	2,087.32
23 52 39 13-0079 EA 100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	124,712.76	2,146.95
23 52 39 13-0080 EA 125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,811.29	2,385.51
23 52 39 13-0081 EA 150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,882.28	2,624.06
23 52 39 13-0082 EA 175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	155,196.49	2,892.43
23 52 39 13-0083 EA 200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,710.52	3,160.80
23 52 39 13-0084 EA 250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	194,528.58	3,697.54
23 52 39 13-0085 EA 300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	226,480.52	4,234.29
23 52 39 13-0086 EA 350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	244,145.24	4,771.02
23 52 39 13-0087 EA 400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	272,398.71	5,307.76
23 52 39 13-0088 EA 500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	329,981.82	5,844.50
23 52 39 13-0089 EA 600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	386,173.65	6,381.24
23 52 39 13-0090 EA 700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	439,969.84	6,917.98
23 52 39 13-0091 EA 800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	491,598.91	7,454.72
23 52 39 13-0092 EA 900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	766,522.82	7,991.46
23 52 39 13-0093 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	834,059.07	8,528.19
23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	73,435.83	1,431.31
23 52 39 13-0096 EA 50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,382.18	1,550.58
23 52 39 13-0097 EA 60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,326.98	1,789.14
23 52 39 13-0098 EA 70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,805.08	1,908.41
23 52 39 13-0099 EA 80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,274.53	2,027.69
23 52 39 13-0100 EA 90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,510.70	2,087.32
23 52 39 13-0101 EA 100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,880.44	2,146.95
23 52 39 13-0102 EA 125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,936.15	2,385.51
23 52 39 13-0103 EA 150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,016.28	2,624.06
23 52 39 13-0104 EA 175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	155,339.62	2,892.43
23 52 39 13-0105 EA 200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,859.75	3,160.80
23 52 39 13-0106 EA 250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	194,708.27	3,697.54
23 52 39 13-0107 EA 300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	226,690.66	4,234.29
23 52 39 13-0108 EA 350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	244,370.60	4,771.02
23 52 39 13-0109 EA 400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	272,651.49	5,307.76
23 52 39 13-0110 EA 500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	330,289.42	5,844.50
23 52 39 13-0111 EA 600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	386,536.06	6,381.24
23 52 39 13-0112 EA 700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	440,384.02	6,917.98
23 52 39 13-0113 EA 800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	492,061.82	7,454.72
23 52 39 13-0114 EA 900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	767,256.65	7,991.46
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	834,858.82	8,528.19
23 52 39 13-0116 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,804.86	1,431.31
23 52 39 13-0118 EA 50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,798.87	1,550.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0119 EA 60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,234.18	1,789.14
23 52 39 13-0120 EA 70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,196.51	1,908.41
23 52 39 13-0121 EA 80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,153.24	2,027.69
23 52 39 13-0122 EA 90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,876.69	2,087.32
23 52 39 13-0123 EA 100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,600.96	2,146.95
23 52 39 13-0124 EA 125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,119.59	2,385.51
23 52 39 13-0125 EA 150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,662.63	2,624.06
23 52 39 13-0126 EA 175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	161,330.12	2,892.43
23 52 39 13-0127 EA 200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	167,036.02	3,160.80
23 52 39 13-0128 EA 250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	202,206.29	3,697.54
23 52 39 13-0129 EA 300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	235,431.25	4,234.29
23 52 39 13-0130 EA 350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	253,756.84	4,771.02
23 52 39 13-0131 EA 400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	283,128.01	5,307.76
23 52 39 13-0132 EA 500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	343,080.52	5,844.50
23 52 39 13-0133 EA 600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	401,577.79	6,381.24
23 52 39 13-0134 EA 700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	457,581.96	6,917.98
23 52 39 13-0135 EA 800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	511,321.57	7,454.72
23 52 39 13-0136 EA 900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	797,897.41	7,991.46
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	868,219.58	8,528.19
23 52 39 13-0138 150 PSI Steam Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139 150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0140 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,995.10	1,431.31
23 52 39 13-0141 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,921.22	1,550.58
23 52 39 13-0142 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,234.89	1,789.14
23 52 39 13-0143 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,187.19	1,908.41
23 52 39 13-0144 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,267.89	2,027.69
23 52 39 13-0145 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,799.65	2,087.32
23 52 39 13-0146 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,411.25	2,146.95
23 52 39 13-0147 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,709.35	2,385.51
23 52 39 13-0148 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,973.80	2,624.06
23 52 39 13-0149 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,455.15	2,892.43
23 52 39 13-0150 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,934.06	3,160.80
23 52 39 13-0151 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,027.68	3,697.54
23 52 39 13-0152 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,750.48	4,234.29
23 52 39 13-0153 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	264,749.34	4,771.02
23 52 39 13-0154 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	312,063.31	5,307.76
23 52 39 13-0155 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,626.52	5,844.50
23 52 39 13-0156 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	444,555.88	6,381.24
23 52 39 13-0157 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	506,721.10	6,917.98
23 52 39 13-0158 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	566,359.84	7,454.72

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39	13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	885,447.45	7,991.46
23 52 39	13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	963,547.36	8,528.19
23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39	13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,164.05	1,431.31
23 52 39	13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,499.33	1,550.58
23 52 39	13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,680.79	1,789.14
23 52 39	13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,999.63	1,908.41
23 52 39	13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,309.81	2,027.69
23 52 39	13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,386.73	2,087.32
23 52 39	13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,585.03	2,146.95
23 52 39	13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,840.30	2,385.51
23 52 39	13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	160,123.03	2,624.06
23 52 39	13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,619.61	2,892.43
23 52 39	13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,113.74	3,160.80
23 52 39	13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	201,213.46	3,697.54
23 52 39	13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	244,978.89	4,234.29
23 52 39	13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	264,996.02	4,771.02
23 52 39	13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	312,355.67	5,307.76
23 52 39	13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,982.84	5,844.50
23 52 39	13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	444,976.16	6,381.24
23 52 39	13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	507,199.25	6,917.98
23 52 39	13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	566,895.85	7,454.72
23 52 39	13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	886,299.92	7,991.46
23 52 39	13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	964,478.93	8,528.19
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39	13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,982.74	1,431.31
23 52 39	13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,164.67	1,550.58
23 52 39	13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,264.08	1,789.14
23 52 39	13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,893.56	1,908.41
23 52 39	13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,514.39	2,027.69
23 52 39	13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,904.99	2,087.32
23 52 39	13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	126,293.37	2,146.95
23 52 39	13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,313.07	2,385.51
23 52 39	13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	166,357.17	2,624.06
23 52 39	13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	182,453.71	2,892.43
23 52 39	13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	198,550.85	3,160.80
23 52 39	13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,982.53	3,697.54
23 52 39	13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	254,480.85	4,234.29
23 52 39	13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,241.08	4,771.02
23 52 39	13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	324,485.90	5,307.76
23 52 39	13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	394,844.88	5,844.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0200 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	462,451.24	6,381.24
23 52 39 13-0201 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	527,180.77	6,917.98
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	589,274.18	7,454.72
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	921,897.34	7,991.46
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	1,003,240.17	8,528.19

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)
See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 **Boiler Feed System** (23 53 16)

23 53 16 00-0002 **Low Pressure Boiler Feed System** (23 53 16 00-0001)
Note: With deaerator includes pumps and accessories.

23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,052.29	1,424.05
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,635.34	1,677.69
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,191.59	1,736.46
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,454.68	1,800.18
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,949.43	1,923.89
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,163.00	2,084.74
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	15,960.98	2,227.02
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	18,294.60	2,536.33
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,121.88	2,721.91
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	21,675.19	2,907.49

23 53 16 00-0013 **High Pressure Boiler Feed System** (23 53 16 00-0001)
Note: With deaerator includes pumps and accessories.

23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,670.46	1,214.10
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,099.41	1,424.05
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,254.39	1,677.69
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,151.21	1,736.46
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,367.99	1,800.18
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,892.71	1,923.89
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,314.79	2,084.74
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,827.88	2,227.02
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	21,800.10	2,384.89
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	23,454.25	2,536.33
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	25,090.43	2,721.91
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	27,066.98	2,907.49

23 53 16 00-0026 **Boiler Feedwater System** (23 53 16)
Note: With deaerator includes pumps and accessories.

23 53 16 00-0027 EA 1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	12,107.03	1,677.69
23 53 16 00-0028 EA 2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	15,747.74	1,922.04
23 53 16 00-0029 EA 4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	20,738.70	2,199.80
23 53 16 00-0030 EA 6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	24,934.03	2,537.56
23 53 16 00-0031 EA 8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	26,466.33	2,721.91
23 53 16 00-0032 EA 11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	27,926.92	2,907.49
23 53 16 00-0033 EA 13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	31,102.83	3,340.65
23 53 16 00-0034 EA 17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	40,161.78	3,835.67
23 53 16 00-0035 EA 20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	52,069.94	4,432.02
23 53 16 00-0036 EA 27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	65,862.43	5,087.50
23 53 16 00-0037 EA 34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	84,314.31	5,853.35

23 53 16 00-0038 **Duplex Vacuum Condensate Pumps** (23 53 16)

23 53 16 00-0039 EA 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	33,207.35	989.78
23 53 16 00-0040 EA 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	33,957.92	1,051.64
23 53 16 00-0041 EA 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	34,822.44	1,113.51
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	33,628.44	1,175.37
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	45,669.09	1,237.23

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 53 Heating Boiler Feedwater Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 53	16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	48,072.22	1,299.09
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23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces (23 54)

23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>					
23 54	13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,252.54	126.68
23 54	13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,650.60	158.34
23 54	13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,128.56	190.01
23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>					
23 54	13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,252.54	126.68
23 54	13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,494.03	142.51
23 54	13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,633.95	158.34
23 54	13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,713.93	174.18
23 54	13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,128.56	190.01
23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>					
23 54	13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace .....214.29		30.68
23 54	13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace .....244.89		33.75
23 54	13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace .....265.48		36.82
23 54	13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace .....361.01		39.89
23 54	13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace .....389.93		42.96

23 54 16 Fuel-Fired Furnaces (23 54)

23 54 16 13 Gas-Fired Furnaces (23 54 16)

23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>					
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.					
23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>					
23 54	16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,928.44	110.84
23 54	16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,058.35	126.68
23 54	16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,373.10	142.51
23 54	16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,777.80	174.18
23 54	16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,966.01	190.01
23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>					
23 54	16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,141.53	110.84
23 54	16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,348.04	126.68
23 54	16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,494.25	142.51
23 54	16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,132.30	158.34
23 54	16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,945.95	174.18
23 54	16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,109.19	190.01
23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>					
23 54	16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,891.73	110.84
23 54	16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,171.50	126.68
23 54	16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,364.77	158.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0019 EA 90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,528.00	174.18
23 54 16 13-0020 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0021 EA 40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,467.85	110.84
23 54 16 13-0022 EA 60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,604.44	126.68
23 54 16 13-0023 EA 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,900.87	142.51
23 54 16 13-0024 EA 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	3,177.37	174.18
23 54 16 13-0025 EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,407.20	190.01
23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,725.31	110.84
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,823.60	126.68
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,035.13	142.51
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,051.77	142.51
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,239.97	158.34
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,364.91	174.18
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,509.82	190.01
23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,214.18	110.84
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,330.79	126.68
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,520.67	142.51
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,522.34	142.51
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,672.24	158.34
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,722.25	174.18
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,912.12	190.01
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,230.83	110.84
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,335.78	126.68
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,595.59	142.51
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,757.15	158.34
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,046.50	95.00
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,366.26	118.82
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,855.04	95.00
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,983.26	102.98
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,969.98	110.84
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,031.70	118.82
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,101.75	118.82
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001)		
Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,826.10	247.01
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,145.58	304.01
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,562.76	437.02
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,018.30	494.02
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,684.03	570.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 54 Furnaces



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,142.51	684.03
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,855.40	912.04
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055) Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,167.87	247.01
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,482.24	304.01
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,025.25	437.02
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,564.10	494.02
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,626.01	570.03
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,164.41	684.03
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,821.17	912.04
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,290.38	126.68
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,517.01	174.18
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	4,061.58	205.84
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace	3,826.69	174.18
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace	3,873.45	205.84
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	3,320.56	174.18
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	3,941.71	205.84
Note: Blower cooling capacity up to 5 tons.		
23 54 19 Furnace Accessories (23 54)		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit	216.98	31.67
23 54 19 00-0002 EA 1" Furnace External Filter Rack	65.77	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace	586.44	
Note: Includes storage and cleaning. Excludes ductwork.		
23 55 Fuel-Fired Heaters (23 50)		
23 55 23 Gas-Fired Radiant Heaters (23 55)		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	983.66	123.73
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,090.74	136.09
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,164.15	136.09
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,458.15	163.31
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,470.52	163.31
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,122.78	139.34
For Stainless Steel Housing, Add	175.14	
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,198.23	139.34
For Stainless Steel Housing, Add	194.00	
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,284.45	139.34
For Stainless Steel Housing, Add	215.55	
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,388.10	139.34
For Stainless Steel Housing, Add	241.47	
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,513.29	152.01
For Stainless Steel Housing, Add	269.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required <i>For Stainless Steel Housing, Add</i>	1,615.48 289.76	164.68
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required <i>For Stainless Steel Housing, Add</i>	2,576.89 517.43	177.34
23 55 23 13-0016 Gas Fired Tubular Infrared Heater <small>(23 55 23 13-0001)</small> Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017 "U" Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater.....	96.27	6.18
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater.....	111.08	7.43
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater.....	135.75	8.66
23 55 23 13-0021 "S" Straight Package <small>(23 55 23 13-0016)</small>		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater.....	78.25	4.95
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater.....	99.60	6.18
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater.....	120.94	7.43
23 55 33 Fuel-Fired Unit Heaters <small>(23 55)</small>		
23 55 33 13 Oil-Fired Unit Heaters <small>(23 55 33)</small>		
23 55 33 13-0001 Oil Fired Unit Heater <small>(23 55 33 13)</small>		
23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt <small>(23 55 33 13-0001)</small>		
23 55 33 13-0003 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,463.47	569.87
23 55 33 13-0004 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	9,079.54	626.86
23 55 33 13-0005 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	9,752.88	683.85
23 55 33 16 Gas-Fired Unit Heaters <small>(23 55 33)</small>		
23 55 33 16-0001 Gas Fired Unit Heaters <small>(23 55 33 16)</small>		
23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt <small>(23 55 33 16-0001)</small>		
23 55 33 16-0003 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,120.00	213.70
23 55 33 16-0004 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,321.80	256.44
23 55 33 16-0005 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,357.25	256.44
23 55 33 16-0006 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,576.13	299.18
23 55 33 16-0007 EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,834.66	341.92
23 55 33 16-0008 EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,041.95	363.29
23 55 33 16-0009 EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,131.35	363.29
23 55 33 16-0010 EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,054.74	363.29
23 55 33 16-0011 EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,629.51	384.67
23 55 33 16-0012 EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,978.53	384.67
23 55 33 16-0013 EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,267.96	384.67
23 55 33 16-0014 EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,099.87	427.40
23 55 33 16-0015 EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,755.35	427.40
23 55 33 16-0016 EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,175.58	470.14
23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters <small>(23 55 33 16)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 16-0018 EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	711.40	
23 55 33 16-0019 EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	958.85	
23 57 Heat Exchangers for HVAC <small>(23 50)</small>		
23 57 13 Steam-To-Steam Heat Exchangers <small>(23 57)</small>		
23 57 13 00-0001 Steam Generator Heat Exchanger <small>(23 57 13)</small> Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002 EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	22,140.54	1,979.57
23 57 13 00-0003 EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	29,876.05	2,103.30
23 57 13 00-0004 EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	40,251.76	2,593.52
23 57 16 Steam-To-Water Heat Exchangers <small>(23 57)</small>		
23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI <small>(23 57 16)</small> Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002 EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	2,577.39 974.24 216.50 324.75	309.31

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 57 Heat Exchangers for HVAC



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0003	EA		10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,773.29	309.31
			<i>For Bronze Head And Tube Sheet, Add</i>	1,475.28	
			<i>For Copper Nickel Tubes, Add</i>	327.84	
			<i>For Double Wall Tube Bundles, Add</i>	491.76	
23 57 16 00-0004	EA		40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,690.86	433.03
			<i>For Bronze Head And Tube Sheet, Add</i>	2,282.51	
			<i>For Copper Nickel Tubes, Add</i>	507.22	
			<i>For Double Wall Tube Bundles, Add</i>	760.84	
23 57 16 00-0005	EA		64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,969.31	433.03
			<i>For Bronze Head And Tube Sheet, Add</i>	3,479.44	
			<i>For Copper Nickel Tubes, Add</i>	773.21	
			<i>For Double Wall Tube Bundles, Add</i>	1,159.81	
23 57 16 00-0006	EA		96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,814.75	509.74
			<i>For Bronze Head And Tube Sheet, Add</i>	4,620.69	
			<i>For Copper Nickel Tubes, Add</i>	1,026.82	
			<i>For Double Wall Tube Bundles, Add</i>	1,540.23	
23 57 16 00-0007	EA		120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,526.15	642.95
			<i>For Bronze Head And Tube Sheet, Add</i>	6,068.13	
			<i>For Copper Nickel Tubes, Add</i>	1,348.47	
			<i>For Double Wall Tube Bundles, Add</i>	2,022.71	
23 57 16 00-0008	EA		168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	19,169.55	965.03
			<i>For Bronze Head And Tube Sheet, Add</i>	7,432.07	
			<i>For Copper Nickel Tubes, Add</i>	1,651.57	
			<i>For Double Wall Tube Bundles, Add</i>	2,477.36	
23 57 16 00-0009	EA		240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	29,049.65	965.03
			<i>For Bronze Head And Tube Sheet, Add</i>	11,579.56	
			<i>For Copper Nickel Tubes, Add</i>	2,573.24	
			<i>For Double Wall Tube Bundles, Add</i>	3,859.85	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)

23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA		8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	4,064.76	309.31
23 57 19 13-0003	EA		8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	5,409.60	309.31
23 57 19 13-0004	EA		11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	7,214.30	371.17
23 57 19 13-0005	EA		16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	9,797.83	402.10
23 57 19 13-0006	EA		16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	10,722.40	402.10
23 57 19 13-0007	EA		24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	13,978.32	433.03
23 57 19 13-0008	EA		26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	14,734.79	433.03
23 57 19 13-0009	EA		24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	18,220.49	494.89
23 57 19 13-0010	EA		24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	22,294.58	556.75
23 57 19 13-0011	EA		26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	23,135.11	556.75
23 57 19 13-0012	EA		24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	28,643.90	651.40
23 57 19 13-0013	EA		26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	34,576.01	716.42
23 57 19 13-0014	EA		40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	39,919.61	781.44

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA		7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,072.24	309.31
			<i>For Copper Nickel Tubes, Add</i>	265.98	
			<i>For Double Wall Tube Bundles, Add</i>	398.97	
23 57 19 19-0003	EA		16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,268.14	309.31
			<i>For Copper Nickel Tubes, Add</i>	377.33	
			<i>For Double Wall Tube Bundles, Add</i>	565.99	
23 57 19 19-0004	EA		34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,371.29	433.03
			<i>For Copper Nickel Tubes, Add</i>	575.27	
			<i>For Double Wall Tube Bundles, Add</i>	862.90	
23 57 19 19-0005	EA		55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	9,113.61	433.03
			<i>For Copper Nickel Tubes, Add</i>	828.88	
			<i>For Double Wall Tube Bundles, Add</i>	1,243.32	
23 57 19 19-0006	EA		74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	11,282.19	494.89
			<i>For Copper Nickel Tubes, Add</i>	1,020.63	
			<i>For Double Wall Tube Bundles, Add</i>	1,530.95	
23 57 19 19-0007	EA		86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,034.52	494.89
			<i>For Copper Nickel Tubes, Add</i>	1,373.22	
			<i>For Double Wall Tube Bundles, Add</i>	2,059.83	
23 57 19 19-0008	EA		112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	18,633.51	482.51
			<i>For Copper Nickel Tubes, Add</i>	1,707.24	
			<i>For Double Wall Tube Bundles, Add</i>	2,560.86	
23 57 19 19-0009	EA		126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	23,174.28	482.51
			<i>For Copper Nickel Tubes, Add</i>	2,127.87	
			<i>For Double Wall Tube Bundles, Add</i>	3,191.80	
23 57 19 19-0010	EA		152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	29,629.49	482.51
			<i>For Copper Nickel Tubes, Add</i>	2,721.69	
			<i>For Double Wall Tube Bundles, Add</i>	4,082.54	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0001 Heat Exchanger Refrigerant To Water <small>(23 57 19 23)</small>		
23 57 19 23-0002 EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	3,472.29	247.45
<i>For Copper Nickel Tubes, Add</i>	297.74	
<i>For Double Wall Tube Bundles, Add</i>	446.61	
23 57 19 23-0003 EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	9,245.40	412.37
<i>For Copper Nickel Tubes, Add</i>	842.06	
<i>For Double Wall Tube Bundles, Add</i>	1,263.09	
23 57 19 23-0004 EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	12,457.48	537.95
<i>For Copper Nickel Tubes, Add</i>	1,138.35	
<i>For Double Wall Tube Bundles, Add</i>	1,707.52	
23 57 19 23-0005 EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	13,365.32	651.15
<i>For Copper Nickel Tubes, Add</i>	1,206.57	
<i>For Double Wall Tube Bundles, Add</i>	1,809.86	
23 57 19 23-0006 EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	16,115.03	766.35
<i>For Copper Nickel Tubes, Add</i>	1,455.76	
<i>For Double Wall Tube Bundles, Add</i>	2,183.64	

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors (23 60)

23 61 16 Reciprocating Refrigerant Compressors (23 61)

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002 EA 1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	733.26	117.37
23 61 16 00-0003 EA 1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	870.78	117.37
23 61 16 00-0004 EA 1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,181.59	146.66
23 61 16 00-0005 EA 3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,465.23	146.66
23 61 16 00-0006 EA 1 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,637.13	146.66
23 61 16 00-0007 EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,658.89	152.58
23 61 16 00-0008 EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,668.92	152.58
23 61 16 00-0009 EA 1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,832.79	164.31
23 61 16 00-0010 EA 2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,970.88	176.05
23 61 16 00-0011 EA 2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,149.04	187.78
23 61 16 00-0012 EA 3 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,444.14	187.78
23 61 16 00-0013 EA 3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,742.65	199.53
23 61 16 00-0014 EA 4 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,800.54	211.26
23 61 16 00-0015 EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,846.62	217.08
23 61 16 00-0016 EA 5 Ton Refrigerant Compressor, Reciprocating Open Type.....	4,213.21	1,136.39
23 61 16 00-0017 EA 7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	6,366.44	1,298.66
23 61 16 00-0018 EA 10 Ton Refrigerant Compressor, Reciprocating Open Type.....	8,519.84	1,461.06
23 61 16 00-0019 EA 12.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	11,269.57	1,582.71
23 61 16 00-0020 EA 15 Ton Refrigerant Compressor, Reciprocating Open Type.....	14,019.66	1,704.57
23 61 16 00-0021 EA 20 Ton Refrigerant Compressor, Reciprocating Open Type.....	16,823.59	2,045.49
23 61 16 00-0022 EA 25 Ton Refrigerant Compressor, Reciprocating Open Type.....	20,253.62	2,198.51
23 61 16 00-0023 EA 30 Ton Refrigerant Compressor, Reciprocating Open Type.....	23,545.54	2,324.43
23 61 16 00-0024 EA 50 Ton Refrigerant Compressor, Reciprocating Open Type.....	30,869.12	2,622.45
23 61 16 00-0025 EA 60 Ton Refrigerant Compressor, Reciprocating Open Type.....	36,416.36	2,691.23
23 61 16 00-0026 EA 70 Ton Refrigerant Compressor, Reciprocating Open Type.....	45,591.89	2,759.90
23 61 16 00-0027 EA 75 Ton Refrigerant Compressor, Reciprocating Open Type.....	47,885.07	2,794.33
23 61 16 00-0028 EA 80 Ton Refrigerant Compressor, Reciprocating Open Type.....	50,082.05	2,828.67
23 61 16 00-0029 EA 90 Ton Refrigerant Compressor, Reciprocating Open Type.....	54,194.13	2,897.34
23 61 16 00-0030 EA 100 Ton Refrigerant Compressor, Reciprocating Open Type.....	57,927.23	2,966.22
23 61 16 00-0031 EA 110 Ton Refrigerant Compressor, Reciprocating Open Type.....	61,905.48	3,299.04
23 61 16 00-0032 EA 120 Ton Refrigerant Compressor, Reciprocating Open Type.....	64,880.31	3,372.87
23 61 16 00-0033 EA 130 Ton Refrigerant Compressor, Reciprocating Open Type.....	67,430.33	3,415.81
23 61 16 00-0034 EA 140 Ton Refrigerant Compressor, Reciprocating Open Type.....	69,693.55	3,521.49
23 61 16 00-0035 EA 150 Ton Refrigerant Compressor, Reciprocating Open Type.....	71,529.08	3,595.32
23 61 16 00-0036 EA 175 Ton Refrigerant Compressor, Reciprocating Open Type.....	73,400.82	3,693.84
23 61 16 00-0037 EA 185 Ton Refrigerant Compressor, Reciprocating Open Type.....	75,183.27	3,733.57
23 61 16 00-0038 EA 200 Ton Refrigerant Compressor, Reciprocating Open Type.....	77,000.08	3,795.35
23 61 16 00-0039 EA 225 Ton Refrigerant Compressor, Reciprocating Open Type.....	79,122.35	4,051.31
23 61 16 00-0040 EA 250 Ton Refrigerant Compressor, Reciprocating Open Type.....	81,183.62	4,269.71

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

23 61 16 00-0043 EA 1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,101.99	117.37
23 61 16 00-0044 EA 1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,138.90	117.37
23 61 16 00-0045 EA 1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,234.49	146.66
23 61 16 00-0046 EA 3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,271.38	146.66
23 61 16 00-0047 EA 1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,289.83	146.66
23 61 16 00-0048 EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,331.09	152.58
23 61 16 00-0049 EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,371.69	152.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 61 Refrigerant Compressors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0050	EA		1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,472.65	164.31
23 61 16 00-0051	EA		2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,569.96	176.05
23 61 16 00-0052	EA		2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,704.12	187.78
23 61 16 00-0053	EA		3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,777.94	187.78
23 61 16 00-0054	EA		3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,912.10	199.53
23 61 16 00-0055	EA		4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,267.75	211.26
23 61 16 00-0056	EA		4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,482.43	217.08
23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)					
23 61 16 00-0058	EA		5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,140.41	584.43
23 61 16 00-0059	EA		10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,945.97	730.53
23 61 16 00-0060	EA		15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	9,903.10	889.36
23 61 16 00-0061	EA		20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	12,606.39	1,022.75
23 61 16 00-0062	EA		25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,923.08	1,136.39
23 61 16 00-0063	EA		30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,438.05	1,278.43
23 61 16 00-0064	EA		35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,952.95	1,461.06
23 61 16 00-0065	EA		40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	25,630.03	1,461.06
23 61 16 00-0066	EA		50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	31,647.74	1,704.57
23 61 16 00-0067	EA		60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	35,622.51	1,826.33
23 61 16 00-0068	EA		70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	37,636.88	1,913.96
23 61 16 00-0069	EA		75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,695.09	2,008.53
23 61 16 00-0070	EA		80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,789.89	2,016.31
23 61 16 00-0071	EA		90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,796.10	2,111.19
23 61 16 00-0072	EA		100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,821.78	2,198.51
23 61 19 Scroll Refrigerant Compressors (23 61)					
23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)					
23 61 19 00-0002	EA		Up To 3 Ton Scroll Refrigerant Compressor	1,475.38	187.57
23 61 19 00-0003	EA		3.5 Ton Scroll Refrigerant Compressor	1,547.15	199.64
23 61 19 00-0004	EA		4 Ton Scroll Refrigerant Compressor	1,585.42	211.16
23 61 19 00-0005	EA		4.5 Ton Scroll Refrigerant Compressor	1,616.55	217.19
23 61 19 00-0006	EA		5 Ton Scroll Refrigerant Compressor	2,003.07	274.23
23 61 19 00-0007	EA		7.5 Ton Scroll Refrigerant Compressor	3,807.53	411.33
23 61 19 00-0008	EA		8.75 Ton Scroll Refrigerant Compressor	4,357.01	479.89
23 61 19 00-0009	EA		10 Ton Scroll Refrigerant Compressor	4,882.18	548.45
23 61 19 00-0010	EA		12 Ton Scroll Refrigerant Compressor	5,900.08	658.14
23 61 19 00-0011	EA		13.5 Ton Scroll Refrigerant Compressor	6,954.60	740.40
23 61 19 00-0012	EA		15 Ton Scroll Refrigerant Compressor	8,154.46	822.67
23 61 19 00-0013	EA		20 Ton Scroll Refrigerant Compressor	11,488.61	1,096.89
23 61 19 00-0014	EA		25 Ton Scroll Refrigerant Compressor	12,960.13	1,371.12
23 61 19 00-0015	EA		30 Ton Scroll Refrigerant Compressor	13,867.86	1,645.34
23 61 23 Rotary-Screw Refrigerant Compressors (23 61)					
23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)					
23 61 23 00-0002	EA		75 Ton Refrigerant Compressor, Rotary Screw Type	45,249.57	2,794.33
23 61 23 00-0003	EA		80 Ton Refrigerant Compressor, Rotary Screw Type	46,624.91	2,828.67
23 61 23 00-0004	EA		90 Ton Refrigerant Compressor, Rotary Screw Type	49,606.30	2,897.34
23 61 23 00-0005	EA		100 Ton Refrigerant Compressor, Rotary Screw Type	52,556.70	2,966.22
23 61 23 00-0006	EA		110 Ton Refrigerant Compressor, Rotary Screw Type	56,635.56	3,299.04
23 61 23 00-0007	EA		120 Ton Refrigerant Compressor, Rotary Screw Type	60,092.09	3,372.87
23 61 23 00-0008	EA		130 Ton Refrigerant Compressor, Rotary Screw Type	63,471.75	3,415.81
23 61 23 00-0009	EA		140 Ton Refrigerant Compressor, Rotary Screw Type	66,974.01	3,521.49
23 61 23 00-0010	EA		150 Ton Refrigerant Compressor, Rotary Screw Type	70,433.71	3,595.32
23 61 23 00-0011	EA		170 Ton Refrigerant Compressor, Rotary Screw Type	75,297.97	3,693.84
23 61 23 00-0012	EA		185 Ton Refrigerant Compressor, Rotary Screw Type	78,703.38	3,733.57
23 61 23 00-0013	EA		200 Ton Refrigerant Compressor, Rotary Screw Type	80,290.60	3,795.35
23 61 23 00-0014	EA		215 Ton Refrigerant Compressor, Rotary Screw Type	90,119.63	4,051.31
23 61 23 00-0015	EA		225 Ton Refrigerant Compressor, Rotary Screw Type	99,811.73	4,269.71
23 62 Packaged Compressor and Condenser Units (23 60)					
23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)					
23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)					
Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.					
23 62 13 00-0002	EA		1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,386.03	1,013.52
23 62 13 00-0003	EA		5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	16,325.98	1,085.93
23 62 13 00-0004	EA		10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	28,635.07	1,158.32
23 62 13 00-0005	EA		15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	33,914.00	1,230.71
23 62 13 00-0006	EA		20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	40,226.76	1,303.11
23 62 13 00-0007	EA		25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	44,581.54	1,447.90
23 62 13 00-0008	EA		30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	45,856.42	1,606.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0009 EA 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	49,412.05	1,888.86
23 62 13 00-0010 EA 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	52,725.10	2,046.27
23 62 13 00-0011 EA 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	60,424.47	2,203.67
23 62 13 00-0012 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	68,312.12	2,439.78
23 62 13 00-0013 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	72,199.55	2,536.64
23 62 13 00-0014 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	81,512.09	2,695.18
23 62 13 00-0015 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	89,092.19	2,853.71

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017 EA 1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	7,052.16	1,013.52
23 62 13 00-0018 EA 5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	14,425.67	1,085.93
23 62 13 00-0019 EA 10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	22,487.31	1,158.32
23 62 13 00-0020 EA 15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	24,286.30	1,230.71
23 62 13 00-0021 EA 20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	26,085.28	1,303.11
23 62 13 00-0022 EA 25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	30,911.84	1,447.90
23 62 13 00-0023 EA 30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	34,992.18	1,606.98
23 62 13 00-0024 EA 40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	44,940.77	1,888.86
23 62 13 00-0025 EA 50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	50,400.73	2,046.27
23 62 13 00-0026 EA 60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	54,547.19	2,203.67
23 62 13 00-0027 EA 75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	62,727.83	2,439.78
23 62 13 00-0028 EA 80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	66,438.14	2,536.64
23 62 13 00-0029 EA 90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	72,877.19	2,695.18
23 62 13 00-0030 EA 100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	83,099.61	2,853.71

23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032 EA 15 Ton Packaged Chiller With Remote Air Cooled Condensers.....	38,474.50	9,177.44
For Gas Fired Engine Driven, Add	6,318.98	
23 62 13 00-0033 EA 20 Ton Packaged Chiller With Remote Air Cooled Condensers.....	43,158.36	9,673.51
For Gas Fired Engine Driven, Add	7,181.38	
23 62 13 00-0034 EA 25 Ton Packaged Chiller With Remote Air Cooled Condensers.....	49,810.93	10,526.95
For Gas Fired Engine Driven, Add	8,383.93	
23 62 13 00-0035 EA 30 Ton Packaged Chiller With Remote Air Cooled Condensers.....	55,453.84	11,184.95
For Gas Fired Engine Driven, Add	9,413.87	
23 62 13 00-0036 EA 40 Ton Packaged Chiller With Remote Air Cooled Condensers.....	68,650.74	12,342.00
For Gas Fired Engine Driven, Add	11,879.77	
23 62 13 00-0037 EA 50 Ton Packaged Chiller With Remote Air Cooled Condensers.....	75,400.87	12,782.73
For Gas Fired Engine Driven, Add	13,163.71	
23 62 13 00-0038 EA 60 Ton Packaged Chiller With Remote Air Cooled Condensers.....	81,889.76	13,766.04
For Gas Fired Engine Driven, Add	14,314.07	
23 62 13 00-0039 EA 70 Ton Packaged Chiller With Remote Air Cooled Condensers.....	98,832.85	14,729.19
For Gas Fired Engine Driven, Add	17,530.70	
23 62 13 00-0040 EA 75 Ton Packaged Chiller With Remote Air Cooled Condensers.....	99,979.01	15,020.66
For Gas Fired Engine Driven, Add	17,743.82	
23 62 13 00-0041 EA 80 Ton Packaged Chiller With Remote Air Cooled Condensers.....	101,943.17	15,673.80
For Gas Fired Engine Driven, Add	18,038.74	
23 62 13 00-0042 EA 90 Ton Packaged Chiller With Remote Air Cooled Condensers.....	112,722.31	16,386.26
For Gas Fired Engine Driven, Add	20,087.75	
23 62 13 00-0043 EA 100 Ton Packaged Chiller With Remote Air Cooled Condensers.....	124,339.46	17,166.60
For Gas Fired Engine Driven, Add	22,294.20	
23 62 13 00-0044 EA 110 Ton Packaged Chiller With Remote Air Cooled Condensers.....	137,466.57	18,024.87
For Gas Fired Engine Driven, Add	24,790.94	
23 62 13 00-0045 EA 120 Ton Packaged Chiller With Remote Air Cooled Condensers.....	148,440.68	18,973.58
For Gas Fired Engine Driven, Add	26,843.53	
23 62 13 00-0046 EA 140 Ton Packaged Chiller With Remote Air Cooled Condensers.....	163,453.25	20,027.63
For Gas Fired Engine Driven, Add	29,688.01	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	8,192.10	792.12
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	12,426.03	1,156.84
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	14,228.24	1,253.72
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	17,644.32	1,504.46
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	19,057.37	1,770.02
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	40,400.42	2,619.65
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	50,142.37	3,161.69
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	69,367.36	3,459.38

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 63 Refrigerant Condensers



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 63 Refrigerant Condensers (23 63)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,176.61	792.12
		<i>For >10 To 25, Deduct</i>	-179.31	
		<i>For >25 To 50, Deduct</i>	-298.84	
		<i>For >50, Deduct</i>	-478.15	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,076.93	
		<i>For Winter Start Control, Add</i>	359.05	
23 63 13 00-0003	EA	7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	8,596.94	940.29
		<i>For >10 To 25, Deduct</i>	-215.17	
		<i>For >25 To 50, Deduct</i>	-358.61	
		<i>For >50, Deduct</i>	-573.78	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	929.95	
		<i>For Winter Start Control, Add</i>	285.91	
23 63 13 00-0004	EA	10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,188.11	1,156.84
		<i>For >10 To 25, Deduct</i>	-283.04	
		<i>For >25 To 50, Deduct</i>	-471.73	
		<i>For >50, Deduct</i>	-754.77	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,098.79	
		<i>For Winter Start Control, Add</i>	364.04	
23 63 13 00-0005	EA	12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,881.66	1,203.57
		<i>For >10 To 25, Deduct</i>	-361.74	
		<i>For >25 To 50, Deduct</i>	-602.90	
		<i>For >50, Deduct</i>	-964.65	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,299.96	
		<i>For Winter Start Control, Add</i>	423.52	
23 63 13 00-0006	EA	15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	16,581.05	1,253.72
		<i>For >10 To 25, Deduct</i>	-440.44	
		<i>For >25 To 50, Deduct</i>	-734.07	
		<i>For >50, Deduct</i>	-1,174.52	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,355.78	
		<i>For Winter Start Control, Add</i>	336.77	
23 63 13 00-0007	EA	20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,389.47	1,504.46
		<i>For >10 To 25, Deduct</i>	-573.30	
		<i>For >25 To 50, Deduct</i>	-955.50	
		<i>For >50, Deduct</i>	-1,528.80	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,716.47	
		<i>For Winter Start Control, Add</i>	419.05	
23 63 13 00-0008	EA	25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	24,351.88	1,618.43
		<i>For >10 To 25, Deduct</i>	-657.06	
		<i>For >25 To 50, Deduct</i>	-1,095.09	
		<i>For >50, Deduct</i>	-1,752.15	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,817.10	
		<i>For Winter Start Control, Add</i>	464.02	
23 63 13 00-0009	EA	30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	27,944.33	1,766.60
		<i>For >10 To 25, Deduct</i>	-758.14	
		<i>For >25 To 50, Deduct</i>	-1,263.57	
		<i>For >50, Deduct</i>	-2,021.71	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,931.80	
		<i>For Winter Start Control, Add</i>	520.01	
23 63 13 00-0010	EA	40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	38,473.30	2,083.81
		<i>For >10 To 25, Deduct</i>	-1,057.79	
		<i>For >25 To 50, Deduct</i>	-1,762.98	
		<i>For >50, Deduct</i>	-2,820.77	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,566.40	
		<i>For Winter Start Control, Add</i>	673.96	
23 63 13 00-0011	EA	50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	46,700.57	2,619.65
		<i>For >10 To 25, Deduct</i>	-1,279.82	
		<i>For >25 To 50, Deduct</i>	-2,133.03	
		<i>For >50, Deduct</i>	-3,412.84	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,716.43	
		<i>For Winter Start Control, Add</i>	617.31	
23 63 13 00-0012	EA	60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	53,844.31	2,891.29
		<i>For >10 To 25, Deduct</i>	-1,485.09	
		<i>For >25 To 50, Deduct</i>	-2,475.15	
		<i>For >50, Deduct</i>	-3,960.24	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,065.43	
		<i>For Winter Start Control, Add</i>	681.64	
23 63 13 00-0013	EA	80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	69,859.51	3,161.69
		<i>For >10 To 25, Deduct</i>	-1,949.51	
		<i>For >25 To 50, Deduct</i>	-3,249.18	
		<i>For >50, Deduct</i>	-5,198.69	
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,818.32	
		<i>For Winter Start Control, Add</i>	812.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	96,531.51	2,846.76
<i>For >10 To 25, Deduct</i>	-2,722.09	
<i>For >25 To 50, Deduct</i>	-4,536.82	
<i>For >50, Deduct</i>	-7,258.91	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	4,170.88	
<i>For Winter Start Control, Add</i>	1,033.20	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	119,111.19	2,943.26
<i>For >10 To 25, Deduct</i>	-3,393.59	
<i>For >25 To 50, Deduct</i>	-5,655.98	
<i>For >50, Deduct</i>	-9,049.57	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	4,891.49	
23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small>		
Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.		
23 63 13 00-0017 EA 1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,319.12	411.90
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-51.04	
<i>For >25 To 50, Deduct</i>	-85.06	
<i>For >50, Deduct</i>	-136.10	
<i>For 15 SEER, Add</i>	408.30	
<i>For 16 SEER, Add</i>	697.52	
<i>For 18 SEER, Add</i>	1,463.09	
23 63 13 00-0018 EA 2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,496.16	457.89
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-54.29	
<i>For >25 To 50, Deduct</i>	-90.48	
<i>For >50, Deduct</i>	-144.77	
<i>For 15 SEER, Add</i>	434.32	
<i>For 16 SEER, Add</i>	741.96	
<i>For 18 SEER, Add</i>	1,556.31	
23 63 13 00-0019 EA 2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,651.16	503.69
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-56.88	
<i>For >25 To 50, Deduct</i>	-94.80	
<i>For >50, Deduct</i>	-151.68	
<i>For 15 SEER, Add</i>	455.04	
<i>For 16 SEER, Add</i>	777.36	
<i>For 18 SEER, Add</i>	1,630.57	
23 63 13 00-0020 EA 3 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,041.32	549.20
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-66.53	
<i>For >25 To 50, Deduct</i>	-110.88	
<i>For >50, Deduct</i>	-177.40	
<i>For 15 SEER, Add</i>	532.20	
<i>For 16 SEER, Add</i>	909.18	
<i>For 18 SEER, Add</i>	1,907.07	
23 63 13 00-0021 EA 3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,222.05	595.27
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-69.89	
<i>For >25 To 50, Deduct</i>	-116.48	
<i>For >50, Deduct</i>	-186.37	
<i>For 15 SEER, Add</i>	559.10	
<i>For 16 SEER, Add</i>	955.14	
<i>For 18 SEER, Add</i>	2,003.46	
23 63 13 00-0022 EA 4 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,588.32	641.05
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-78.82	
<i>For >25 To 50, Deduct</i>	-131.36	
<i>For >50, Deduct</i>	-210.18	
<i>For 15 SEER, Add</i>	630.53	
<i>For 16 SEER, Add</i>	1,077.16	
<i>For 18 SEER, Add</i>	2,259.41	
23 63 13 00-0023 EA 5 Ton, 14 SEER, Air Cooled Condensing Unit.....	4,045.46	686.50
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-90.47	
<i>For >25 To 50, Deduct</i>	-150.79	
<i>For >50, Deduct</i>	-241.26	
<i>For 15 SEER, Add</i>	723.77	
<i>For 16 SEER, Add</i>	1,236.44	
<i>For 18 SEER, Add</i>	2,593.51	
23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit <small>(23 63 13)</small>		
Note: Includes storage and cleaning.		
23 63 13 00-0025 EA Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	422.24	
23 63 13 00-0026 EA Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,583.40	
23 63 13 00-0027 EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,394.41	

23 63 23 Water-Cooled Refrigerant Condensers (23 63)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 63 Refrigerant Condensers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 63 23 00-0001			Water Cooled Condensers <small>(23 63 23)</small>		
			Note: Steel shell and copper tube type. Includes equipment rigging.		
23 63 23 00-0002	EA		15 Ton Water Cooled Condenser, Shell And Tube Type	10,248.27	431.08
			<i>For Saddle Legs, Add</i>	762.79	
23 63 23 00-0003	EA		20 Ton Water Cooled Condenser, Shell And Tube Type	13,324.82	579.16
			<i>For Saddle Legs, Add</i>	989.56	
23 63 23 00-0004	EA		25 Ton Water Cooled Condenser, Shell And Tube Type	17,433.98	723.95
			<i>For Saddle Legs, Add</i>	1,298.80	
			<i>For Dual Compressor, Add</i>	816.85	
23 63 23 00-0005	EA		30 Ton Water Cooled Condenser, Shell And Tube Type	18,311.10	880.80
			<i>For Saddle Legs, Add</i>	1,349.57	
			<i>For Dual Compressor, Add</i>	848.79	
23 63 23 00-0006	EA		40 Ton Water Cooled Condenser, Shell And Tube Type	21,880.33	1,126.51
			<i>For Saddle Legs, Add</i>	1,603.84	
			<i>For Dual Compressor, Add</i>	1,008.70	
23 63 23 00-0007	EA		50 Ton Water Cooled Condenser, Shell And Tube Type	24,993.44	1,266.91
			<i>For Saddle Legs, Add</i>	1,834.37	
			<i>For Dual Compressor, Add</i>	1,153.69	
23 63 23 00-0008	EA		60 Ton Water Cooled Condenser, Shell And Tube Type	30,406.74	1,447.90
			<i>For Saddle Legs, Add</i>	2,242.93	
			<i>For Dual Compressor, Add</i>	1,410.65	
23 63 23 00-0009	EA		75 Ton Water Cooled Condenser, Shell And Tube Type	37,529.12	1,689.21
			<i>For Saddle Legs, Add</i>	2,780.09	
			<i>For Dual Compressor, Add</i>	1,748.49	
23 63 23 00-0010	EA		100 Ton Water Cooled Condenser, Shell And Tube Type	41,272.14	2,179.53
			<i>For Saddle Legs, Add</i>	3,018.70	
			<i>For Dual Compressor, Add</i>	1,898.55	
23 63 23 00-0011	EA		150 Ton Water Cooled Condenser, Shell And Tube Type	59,638.39	2,598.54
			<i>For Saddle Legs, Add</i>	4,428.22	
			<i>For Dual Compressor, Add</i>	2,785.04	

23 64 Packaged Water Chillers (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers (23 64)

23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)

23 64 13 16-0001			Packaged, Steam Driven, Water Cooled Absorption Chillers <small>(23 64 13 16)</small>		
			Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002	EA		50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	209,458.40	12,520.87
			<i>For Two Stage Unit, Add</i>	136,604.18	
23 64 13 16-0003	EA		100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	264,313.49	14,412.69
			<i>For Two Stage Unit, Add</i>	173,489.29	
23 64 13 16-0004	EA		150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	334,751.50	15,493.64
			<i>For Two Stage Unit, Add</i>	221,931.14	
23 64 13 16-0005	EA		200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	371,748.74	16,574.59
			<i>For Two Stage Unit, Add</i>	246,964.45	
23 64 13 16-0006	EA		250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	414,976.48	17,055.01
			<i>For Two Stage Unit, Add</i>	276,839.52	
23 64 13 16-0007	EA		300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	467,269.38	17,655.54
			<i>For Two Stage Unit, Add</i>	312,964.13	
23 64 13 16-0008	EA		350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	500,983.43	18,256.08
			<i>For Two Stage Unit, Add</i>	336,083.54	
23 64 13 16-0009	EA		400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	595,799.37	19,216.92
			<i>For Two Stage Unit, Add</i>	401,686.03	
23 64 13 16-0010	EA		500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	666,671.14	19,817.45
			<i>For Two Stage Unit, Add</i>	450,815.83	
23 64 13 16-0011	EA		650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	807,213.57	20,417.97
			<i>For Two Stage Unit, Add</i>	548,715.12	
23 64 13 16-0012	EA		750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	875,122.06	21,859.24
			<i>For Two Stage Unit, Add</i>	595,098.05	
23 64 13 16-0013	EA		850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	938,145.68	23,180.41
			<i>For Two Stage Unit, Add</i>	638,157.65	
23 64 13 16-0014	EA		950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,005,881.89	24,535.53
			<i>For Two Stage Unit, Add</i>	684,488.90	
23 64 13 16-0015	EA		1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,151,184.54	25,133.95
			<i>For Two Stage Unit, Add</i>	785,674.13	
23 64 13 16-0016	EA		1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,260,765.67	26,570.19
			<i>For Two Stage Unit, Add</i>	861,279.83	
23 64 13 16-0017	EA		1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,472,171.48	27,767.04
			<i>For Two Stage Unit, Add</i>	1,008,306.40	
23 64 13 16-0018	EA		1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,720,481.29	28,604.84
			<i>For Two Stage Unit, Add</i>	1,181,453.05	

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 16 16-0001	Packaged Water-Cooled Centrifugal Water Chillers <small>(23 64 16 16)</small> Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002	EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	159,335.77	6,852.63
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	5,933.12	
23 64 16 16-0003	EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	174,158.46	7,026.18
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	6,514.74	
23 64 16 16-0004	EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	192,072.02	7,204.78
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	7,219.95	
23 64 16 16-0005	EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	209,560.07	7,493.63
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	7,900.91	
23 64 16 16-0006	EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	226,657.76	7,916.77
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	8,557.63	
23 64 16 16-0007	EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	243,130.58	8,328.37
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	9,190.10	
23 64 16 16-0008	EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	259,067.96	8,785.01
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	9,798.25	
23 64 16 16-0009	EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	274,363.38	9,218.24
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	10,382.23	
23 64 16 16-0010	EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	288,989.55	9,613.26
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	10,941.90	
23 64 16 16-0011	EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	302,876.04	9,925.18
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	11,477.31	
23 64 16 16-0012	EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	316,445.07	10,416.89
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	11,988.48	
23 64 16 16-0013	EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	329,263.83	10,818.76
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	12,475.41	
23 64 16 16-0014	EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	341,468.03	11,215.47
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	12,938.09	
23 64 16 16-0015	EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	352,922.46	11,522.70
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	13,376.52	
23 64 16 16-0016	EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	373,680.25	11,931.30
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	14,180.58	
23 64 16 16-0017	EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	391,773.75	12,190.74
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	14,887.65	
23 64 16 16-0018	EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	407,992.19	12,793.30
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	15,497.67	
23 64 16 16-0019	EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	421,800.57	13,405.00
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	16,010.71	
23 64 16 16-0020	EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	433,286.62	14,077.95
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	16,426.90	
23 64 16 16-0021	EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	460,220.33	14,757.15
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	17,460.65	
23 64 16 16-0022	EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	486,965.89	15,434.19
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	18,486.94	
23 64 16 16-0023	EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	513,624.91	16,176.20
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	19,505.62	
23 64 16 16-0024	EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	540,212.45	16,993.16
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	20,516.63	
23 64 16 16-0025	EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	566,191.58	17,740.02
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	21,519.96	
23 64 16 16-0026	EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	614,334.58	20,469.33
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	<i>For 208/230 Voltage Motor Rating, Add</i>	23,272.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	660,675.32 24,951.82	23,206.41
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	704,371.26 26,558.72	25,423.59
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	744,894.52 28,092.87	26,788.72
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	783,523.31 29,554.08	28,109.22
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	819,547.76 30,943.26	28,924.03
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	855,660.51 32,259.50	30,941.93
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	889,146.58 33,502.99	32,451.28
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	921,527.61 34,673.75	34,409.58
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	950,934.69 35,771.91	35,638.51
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	1,012,648.95 38,199.29	37,655.81
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	1,067,742.94 40,172.39	39,915.11

23 64 23 Scroll Water Chillers (23 64)

23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)

23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.

23 64 23 13-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller	25,983.03	1,801.85
23 64 23 13-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller	37,975.44	1,824.95
23 64 23 13-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller	41,439.12	1,952.01
23 64 23 13-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller	45,579.81	2,090.61
23 64 23 13-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller	46,339.97	2,229.22
23 64 23 13-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller	48,904.77	2,390.92
23 64 23 13-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller	55,894.53	2,587.28
23 64 23 13-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller	60,030.12	2,806.73
23 64 23 13-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller	63,378.74	2,887.59
23 64 23 13-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller	66,194.49	3,014.64
23 64 23 13-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller	68,418.25	3,118.59
23 64 23 13-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller	78,919.49	3,511.31
23 64 23 13-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller	84,961.94	3,846.26
23 64 23 13-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller	86,499.10	3,857.81
23 64 23 13-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller	91,486.68	3,869.37
23 64 23 13-0017 EA 110 Ton Packaged Air Cooled Scroll Water Chiller	96,341.27	3,880.92
23 64 23 13-0018 EA 120 Ton Packaged Air Cooled Scroll Water Chiller	101,256.20	3,892.47
23 64 23 13-0019 EA 130 Ton Packaged Air Cooled Scroll Water Chiller	106,424.66	3,904.02

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002 EA 20 Ton Packaged Water Cooled Scroll Water Chiller	28,247.50	2,220.12
23 64 23 16-0003 EA 25 Ton Packaged Water Cooled Scroll Water Chiller	32,414.68	2,287.19
23 64 23 16-0004 EA 30 Ton Packaged Water Cooled Scroll Water Chiller	35,951.50	2,510.86
23 64 23 16-0005 EA 40 Ton Packaged Water Cooled Scroll Water Chiller	44,246.17	3,195.69
23 64 23 16-0006 EA 50 Ton Packaged Water Cooled Scroll Water Chiller	48,936.63	3,502.15
23 64 23 16-0007 EA 60 Ton Packaged Water Cooled Scroll Water Chiller	51,485.93	3,869.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 26 Rotary-Screw Water Chillers (23 64)

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.

23 64 26 13-0002	EA 70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	107,366.25	4,423.78
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,511.05	
	<i>For 208/230 Voltage Motor Rating, Add</i>	4,029.45	
23 64 26 13-0003	EA 80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	115,391.36	4,804.95
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,622.93	
	<i>For 208/230 Voltage Motor Rating, Add</i>	4,327.82	
23 64 26 13-0004	EA 90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	121,382.34	5,012.84
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,707.95	
	<i>For 208/230 Voltage Motor Rating, Add</i>	4,554.52	
23 64 26 13-0005	EA 100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	125,869.28	5,394.01
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,766.76	
	<i>For 208/230 Voltage Motor Rating, Add</i>	4,711.36	
23 64 26 13-0006	EA 110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	135,084.94	5,659.66
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,899.10	
	<i>For 208/230 Voltage Motor Rating, Add</i>	5,064.28	
23 64 26 13-0007	EA 120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	143,550.28	5,775.17
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,023.31	
	<i>For 208/230 Voltage Motor Rating, Add</i>	5,395.50	
23 64 26 13-0008	EA 130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	151,532.20	5,971.53
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,138.71	
	<i>For 208/230 Voltage Motor Rating, Add</i>	5,703.23	
23 64 26 13-0009	EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	156,377.93	6,098.58
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,208.45	
	<i>For 208/230 Voltage Motor Rating, Add</i>	5,889.20	
23 64 26 13-0010	EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	165,125.24	6,225.63
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,336.72	
	<i>For 208/230 Voltage Motor Rating, Add</i>	6,231.24	
23 64 26 13-0011	EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	172,360.93	6,421.99
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,440.92	
	<i>For 208/230 Voltage Motor Rating, Add</i>	6,509.12	
23 64 26 13-0012	EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	181,754.13	6,676.09
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,576.10	
	<i>For 208/230 Voltage Motor Rating, Add</i>	6,869.60	
23 64 26 13-0013	EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	189,986.15	6,814.70
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,696.63	
	<i>For 208/230 Voltage Motor Rating, Add</i>	7,191.03	
23 64 26 13-0014	EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	203,654.12	6,930.21
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,898.88	
	<i>For 208/230 Voltage Motor Rating, Add</i>	7,730.35	
23 64 26 13-0015	EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	212,735.31	6,999.51
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,033.71	
	<i>For 208/230 Voltage Motor Rating, Add</i>	8,089.90	
23 64 26 13-0016	EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	221,816.49	7,057.26
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,168.55	
	<i>For 208/230 Voltage Motor Rating, Add</i>	8,449.46	
23 64 26 13-0017	EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	248,990.74	7,195.87
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,573.04	
	<i>For 208/230 Voltage Motor Rating, Add</i>	9,528.11	
23 64 26 13-0018	EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	262,670.28	7,334.47
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,775.29	
	<i>For 208/230 Voltage Motor Rating, Add</i>	10,067.44	
23 64 26 13-0019	EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	280,832.65	7,449.97
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,044.95	
	<i>For 208/230 Voltage Motor Rating, Add</i>	10,786.54	
23 64 26 13-0020	EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	307,983.80	7,577.03
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,449.45	
	<i>For 208/230 Voltage Motor Rating, Add</i>	11,865.19	
23 64 26 13-0021	EA 350 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	335,754.02	7,669.43
	<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,863.75	
	<i>For 208/230 Voltage Motor Rating, Add</i>	12,970.00	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	70,799.93	5,404.76
23 64 26 16-0003	EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	76,822.67	5,614.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 16-0004	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller	82,055.84	5,765.08
23 64 26 16-0005	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller	86,617.99	6,008.29
23 64 26 16-0006	EA		110 Ton Packaged Water Cooled Helical Rotary Water Chiller	91,144.39	6,173.43
23 64 26 16-0007	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller	96,656.54	6,346.74
23 64 26 16-0008	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller	130,308.65	6,524.15
23 64 26 16-0009	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller	135,276.80	6,700.69
23 64 26 16-0010	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller	138,998.19	6,866.56
23 64 26 16-0011	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller	140,418.47	7,209.94
23 64 26 16-0012	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller	139,455.38	7,557.66
23 64 26 16-0013	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,533.48	7,719.43
23 64 26 16-0014	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller	160,313.13	7,888.30
23 64 26 16-0015	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller	170,315.12	8,249.34
23 64 26 16-0016	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller	179,777.38	8,583.23
23 64 26 16-0017	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller	190,788.98	8,923.25
23 64 26 16-0018	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller	209,444.97	9,714.15
23 64 26 16-0019	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller	224,732.19	10,684.61
23 64 26 16-0020	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller	236,668.06	11,753.55

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA		50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,843.96	1,917.36
			<i>For Stainless Steel Cooling Tower, Add</i>	10,780.75	
23 65 13 16-0004	EA		75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	28,735.59	2,344.71
			<i>For Stainless Steel Cooling Tower, Add</i>	15,141.50	
23 65 13 16-0005	EA		100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	36,028.08	2,945.34
			<i>For Stainless Steel Cooling Tower, Add</i>	18,775.46	
23 65 13 16-0006	EA		125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	41,552.75	3,291.85
			<i>For Stainless Steel Cooling Tower, Add</i>	21,757.62	
23 65 13 16-0007	EA		150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	47,490.96	3,707.66
			<i>For Stainless Steel Cooling Tower, Add</i>	24,918.59	
23 65 13 16-0008	EA		175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	53,398.44	4,158.13
			<i>For Stainless Steel Cooling Tower, Add</i>	28,033.41	
23 65 13 16-0009	EA		200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	59,928.96	4,631.69
			<i>For Stainless Steel Cooling Tower, Add</i>	31,494.32	
23 65 13 16-0010	EA		225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	65,490.64	5,220.75
			<i>For Stainless Steel Cooling Tower, Add</i>	34,263.05	
23 65 13 16-0011	EA		250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	71,348.41	5,798.27
			<i>For Stainless Steel Cooling Tower, Add</i>	37,216.37	
23 65 13 16-0012	EA		275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	78,122.32	6,860.90
			<i>For Stainless Steel Cooling Tower, Add</i>	40,261.97	
23 65 13 16-0013	EA		300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	84,899.47	7,600.12
			<i>For Stainless Steel Cooling Tower, Add</i>	43,607.53	
23 65 13 16-0014	EA		325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	89,461.05	8,085.24
			<i>For Stainless Steel Cooling Tower, Add</i>	45,914.80	
23 65 13 16-0015	EA		350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	94,799.55	8,558.81
			<i>For Stainless Steel Cooling Tower, Add</i>	48,625.85	
23 65 13 16-0016	EA		375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	99,987.88	8,974.61
			<i>For Stainless Steel Cooling Tower, Add</i>	51,336.90	
23 65 13 16-0017	EA		400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	105,933.76	9,390.43
			<i>For Stainless Steel Cooling Tower, Add</i>	54,509.41	
23 65 13 16-0018	EA		425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	112,233.61	9,898.64
			<i>For Stainless Steel Cooling Tower, Add</i>	57,797.27	
23 65 13 16-0019	EA		450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	119,387.15	10,406.86
			<i>For Stainless Steel Cooling Tower, Add</i>	61,604.29	
23 65 13 16-0020	EA		475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	126,340.60	10,845.77
			<i>For Stainless Steel Cooling Tower, Add</i>	65,353.61	
23 65 13 16-0021	EA		500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	133,305.59	11,284.68
			<i>For Stainless Steel Cooling Tower, Add</i>	69,102.93	
23 65 13 16-0022	EA		550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	146,554.12	11,758.25
			<i>For Stainless Steel Cooling Tower, Add</i>	76,601.58	
23 65 13 16-0023	EA		600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	160,956.27	12,220.26
			<i>For Stainless Steel Cooling Tower, Add</i>	84,792.41	
23 65 13 16-0024	EA		650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	166,816.87	12,474.37
			<i>For Stainless Steel Cooling Tower, Add</i>	88,253.33	
23 65 13 16-0025	EA		700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	173,831.09	12,636.08
			<i>For Stainless Steel Cooling Tower, Add</i>	92,406.43	
23 65 13 16-0026	EA		750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	181,961.63	13,282.90
			<i>For Stainless Steel Cooling Tower, Add</i>	96,674.89	
23 65 13 16-0027	EA		800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	191,438.07	13,929.72
			<i>For Stainless Steel Cooling Tower, Add</i>	101,750.89	
23 65 13 16-0028	EA		850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	201,006.93	14,634.29
			<i>For Stainless Steel Cooling Tower, Add</i>	106,826.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0029 EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	212,113.96 112,825.82	15,338.86
23 65 13 16-0030 EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	223,574.97 118,940.11	16,147.38
23 65 13 16-0031 EA 1,000 Ton Centrifugal Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	236,562.60 125,977.30	16,955.91
 23 65 14 Induced-Draft Cooling Towers (23 65)		
23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)		
23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers <small>(23 65 14 13)</small>		
<small>Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.</small>		
23 65 14 13-0002 EA 10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,621.59 1,302.17 2,604.34	1,293.64
23 65 14 13-0003 EA 20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,600.27 1,574.72 3,149.43	1,397.59
23 65 14 13-0004 EA 30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	15,075.13 1,907.83 3,815.66	1,570.85
23 65 14 13-0005 EA 40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,730.90 2,119.81 4,239.62	1,732.55
23 65 14 13-0006 EA 50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	19,834.52 2,543.77 5,087.54	1,917.36
23 65 14 13-0007 EA 60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,091.48 2,999.40 5,998.80	2,067.52
23 65 14 13-0008 EA 75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	26,514.83 3,452.26 6,904.52	2,344.71
23 65 14 13-0009 EA 100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,999.78 4,239.62 8,479.24	2,945.34
23 65 14 13-0010 EA 125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	35,976.83 4,603.02 9,206.03	3,291.85
23 65 14 13-0011 EA 150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	55,061.06 7,365.16 14,730.32	3,707.66
23 65 14 13-0012 EA 200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	66,615.26 8,876.53 17,753.05	4,631.69
23 65 14 13-0013 EA 300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	86,041.19 11,073.14 22,146.28	7,600.12
 23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14 13)		
<small>Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.</small>		
23 65 14 13-0015 EA 100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,999.78 4,239.62 8,479.24	2,945.34
23 65 14 13-0016 EA 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	43,981.97 5,703.30 11,406.60	3,707.66
23 65 14 13-0017 EA 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	55,891.23 7,267.92 14,535.84	4,631.69
23 65 14 13-0018 EA 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	66,291.63 8,545.58 17,091.15	5,798.27
23 65 14 13-0019 EA 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	78,717.89 9,974.64 19,949.29	7,600.12
23 65 14 13-0020 EA 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	87,733.51 11,096.56 22,193.12	8,558.81
23 65 14 13-0021 EA 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	97,858.30 12,416.03 24,832.07	9,390.43
23 65 14 13-0022 EA 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	110,927.13 14,132.07 28,264.14	10,406.86

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0023	EA		500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	125,133.99 16,049.99 32,099.99	11,284.68
23 65 14 13-0024	EA		550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	134,056.37 17,275.73 34,551.47	11,896.86
23 65 14 13-0025	EA		600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	143,703.61 18,610.20 37,220.41	12,220.26
23 65 14 13-0026	EA		700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	163,159.93 21,500.93 43,001.87	12,636.08
23 65 14 13-0027	EA		800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	178,940.33 23,563.06 47,126.12	13,929.72
23 65 14 13-0028	EA		900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	197,693.48 26,043.38 52,086.77	15,338.86

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers

(23 65 14 14)

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.

23 65 14 14-0002	EA		10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,011.33 1,060.63 2,121.26	1,293.64
23 65 14 14-0003	EA		15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,732.42 1,165.33 2,330.66	1,316.74
23 65 14 14-0004	EA		20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,584.86 1,265.47 2,530.95	1,432.24
23 65 14 14-0005	EA		25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,388.25 1,520.39 3,040.78	1,501.55
23 65 14 14-0006	EA		30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,039.90 1,752.54 3,505.09	1,570.85
23 65 14 14-0007	EA		35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	15,653.96 1,975.60 3,951.19	1,651.70
23 65 14 14-0008	EA		40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	17,135.09 2,180.44 4,360.88	1,732.55
23 65 14 14-0009	EA		45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	18,779.50 2,408.04 4,816.09	1,824.95
23 65 14 14-0010	EA		50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	20,386.32 2,626.54 5,253.08	1,917.36
23 65 14 14-0011	EA		60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,549.44 3,068.09 6,136.19	2,067.52
23 65 14 14-0012	EA		70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	26,978.44 3,546.06 7,092.12	2,229.22
23 65 14 14-0013	EA		75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	28,566.45 3,760.01 7,520.01	2,344.71
23 65 14 14-0014	EA		80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	30,293.09 3,973.95 7,947.91	2,541.07
23 65 14 14-0015	EA		90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	31,564.50 4,119.62 8,239.24	2,737.43
23 65 14 14-0016	EA		100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	33,929.55 4,379.09 8,758.17	2,945.34
23 65 14 14-0017	EA		125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	35,303.33 4,501.99 9,003.98	3,291.85
23 65 14 14-0018	EA		150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	41,010.88 5,257.64 10,515.27	3,707.66
23 65 14 14-0019	EA		175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	45,307.95 5,794.78 11,589.56	4,158.13
23 65 14 14-0020	EA		200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	47,678.67 6,036.04 12,072.08	4,631.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0021 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	55,120.08 7,010.18 14,020.36	5,220.75
23 65 14 14-0022 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	60,425.65 7,665.68 15,331.36	5,798.27
23 65 14 14-0023 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	64,581.66 8,034.39 16,068.79	6,860.90
23 65 14 14-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	69,667.32 8,617.06 17,234.12	7,600.12
23 65 14 14-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	79,640.01 9,882.53 19,765.07	8,558.81
23 65 14 14-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	87,796.40 10,906.75 21,813.50	9,390.43
23 65 14 14-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	97,042.11 12,049.32 24,098.63	10,406.86
23 65 14 14-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	105,746.12 13,141.81 26,283.62	11,284.68
23 65 14 14-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	120,903.85 15,190.24 30,380.48	12,220.26
23 65 14 14-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	135,685.61 17,379.78 34,759.57	12,636.08
23 65 14 14-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	151,678.14 19,473.73 38,947.47	13,929.72
23 65 14 14-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	167,187.84 21,467.54 42,935.08	15,338.86
23 65 14 14-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	182,372.10 23,365.75 46,731.50	16,955.91
23 65 14 14-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	199,647.11 25,764.69 51,529.38	17,775.99
23 65 14 14-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	216,306.59 28,081.69 56,163.38	18,538.30
23 65 14 14-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	230,060.21 29,770.50 59,541.01	20,132.24
23 65 14 14-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	243,361.39 31,363.73 62,727.46	21,841.69
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	256,175.43 32,861.36 65,722.71	23,643.55
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	268,002.72 34,254.29 68,508.58	25,272.15
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	279,543.52 35,547.08 71,094.15	27,131.75
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	290,909.02 36,744.27 73,488.54	29,280.13
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	301,565.08 37,836.77 75,673.53	31,428.48
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	312,808.15 38,833.67 77,667.33	34,362.28
23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers ^{(23 65} ^{14 14)} Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	91,208.98 4,323.67	2,945.34
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	103,380.70 4,904.53	3,268.74
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	112,978.66 5,350.93	3,707.66
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	125,571.87 5,906.67	4,631.69
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	142,209.37 6,644.41	5,798.27
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	163,231.69 7,550.57	7,600.12

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0051	EA		350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	177,824.91 8,203.42	8,558.81
23 65 14 14-0052	EA		400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	192,210.22 8,856.27	9,390.43
23 65 14 14-0053	EA		500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	221,830.82 10,184.84	11,284.68
23 65 14 14-0054	EA		600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	250,586.93 11,547.57	12,220.26
23 65 14 14-0055	EA		750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	310,401.07 14,422.77	13,282.90
23 65 14 14-0056	EA		1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	402,948.29 18,817.39	16,955.91

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 16)
 Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	38,307.47	1,917.36
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	54,460.16	2,344.71
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	64,171.35	2,945.34
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	72,748.31	3,291.85
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	79,801.87	3,707.66
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	95,686.50	4,631.69
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	112,600.18	5,798.27
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	133,454.98	7,600.12
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	146,092.36	8,558.81
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	165,643.44	9,390.43
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	191,999.78	11,284.68
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	216,767.63	12,220.26
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	268,159.23	13,282.90
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	341,594.30	16,771.10

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	66,847.04	2,945.34
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	72,331.79	3,291.85
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	77,936.59	3,707.66
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	92,159.66	4,631.69
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	101,557.85	5,798.27

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers (23 65 14 16)

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,504.19	1,201.24
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,741.10	1,258.98
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	5,495.41	1,293.64
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	6,197.70	1,316.74
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,087.73	1,432.24
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,552.96	1,501.55
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,654.03	1,570.85
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	11,124.92	1,732.55
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	12,413.70	1,917.36
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	13,904.84	2,067.52
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	16,026.03	2,229.22
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	17,456.27	2,541.07
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	21,138.20	2,945.34
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	26,099.49	3,291.85
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	29,312.80	3,707.66
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	35,563.64	4,158.13
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	39,664.15	4,631.69
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	43,848.30	5,220.75
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	47,847.50	5,798.27
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	57,379.64	7,600.12
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	65,202.02	8,558.81
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	72,455.22	9,390.43
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	88,076.88	11,053.68
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	100,561.18	12,220.26
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	106,221.24	9,390.43
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	121,796.37	13,929.72
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	138,816.56	11,608.10

23 65 43 Cooling Tower Basins and Accessories (23 65)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins ^(23 65 43)		
Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.		
23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,361.59	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,541.14	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,512.50	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,773.08	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,923.51	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,135.08	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,346.64	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,373.30	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,622.70	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,990.53	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,361.25	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,604.84	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	

23 70 Central HVAC Equipment ⁽²³⁾

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage ^(23 70)

23 71 13 Thermal Heat Storage ^(23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks ^(23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks ^(23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank	30,000.65	219.16
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank	41,865.96	290.56
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank	47,930.05	351.45
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank	56,749.49	439.31
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank	66,023.05	583.98
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank	85,302.35	878.72
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank	96,328.47	989.73
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank	132,285.78	1,314.63
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank	171,170.44	1,528.30

23 72 Air-To-Air Energy Recovery Equipment ^(23 70)

23 72 13 Heat-Wheel Air-To-Air Energy Recovery Equipment ^(23 72)

23 72 13 00-0001 Enthalpy Recovery Wheel ^(23 72 13)

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel	10,687.98	824.62
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel	11,869.99	989.78
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel	14,853.06	1,237.23
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,367.26	1,413.53
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel	19,211.22	1,484.68
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel	23,339.08	1,649.85
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel	30,971.70	1,732.12
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel	38,556.66	1,855.85
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel	46,683.83	2,120.61
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel	52,340.16	2,721.91
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel	70,109.52	3,093.08
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel	83,391.95	3,711.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 72 Air-To-Air Energy Recovery Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	19,210.75	618.62
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	30,195.81	824.87
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	44,765.08	1,237.23

23 73 Indoor Central-Station Air-Handling Units (23 70)

23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units (23 73 13)

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,834.04	668.12
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	235.68	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	442.73	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	659.32	
		<i>For Manual Roll Filter, Add</i>	1,129.22	
		<i>For Automatic Roll Filter, Add</i>	1,223.19	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	565.34	
		<i>For Electric Heating Coil, Add</i>	941.26	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	941.26	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	847.28	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	753.30	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	611.60	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,129.22	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,035.24	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	753.30	
		<i>For Variable Air Volume, Add</i>	263.14	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,308.12	
		<i>For 2 Coils, Independent Circuits, Add</i>	321.00	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,469.85	801.75
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	389.76	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	745.19	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,112.07	
		<i>For Manual Roll Filter, Add</i>	1,943.42	
		<i>For Automatic Roll Filter, Add</i>	2,109.69	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	945.80	
		<i>For Electric Heating Coil, Add</i>	1,610.88	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,610.88	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,444.61	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,278.34	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,054.85	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,943.42	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,777.15	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,278.34	
		<i>For Variable Air Volume, Add</i>	465.56	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,441.11	
		<i>For 2 Coils, Independent Circuits, Add</i>	513.49	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,051.65	861.05
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	443.67	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	850.43	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,269.50	
		<i>For Manual Roll Filter, Add</i>	2,224.92	
		<i>For Automatic Roll Filter, Add</i>	2,416.01	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,078.42	
		<i>For Electric Heating Coil, Add</i>	1,842.75	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,842.75	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,651.67	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,460.59	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,208.00	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,224.92	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,033.84	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,460.59	
		<i>For Variable Air Volume, Add</i>	535.04	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,500.98	
		<i>For 2 Coils, Independent Circuits, Add</i>	581.60	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	5,698.54	925.23
23 73	13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	6,461.20	995.39
23 73	13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	7,350.52	1,069.71
23 73	13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	8,047.96	1,150.01

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,803.92	1,239.37
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	791.88	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,530.66	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,287.15	
			<i>For Manual Roll Filter, Add</i>	4,045.59	
			<i>For Automatic Roll Filter, Add</i>	4,397.28	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,935.46	
			<i>For Electric Heating Coil, Add</i>	3,342.21	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,342.21	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,990.52	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,638.83	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,198.64	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,045.59	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,693.90	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,638.83	
			<i>For Variable Air Volume, Add</i>	984.73	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,723.58	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,021.07	
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,635.44	1,328.73
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	868.63	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,680.31	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,510.97	
			<i>For Manual Roll Filter, Add</i>	4,445.26	
			<i>For Automatic Roll Filter, Add</i>	4,832.12	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,124.12	
			<i>For Electric Heating Coil, Add</i>	3,671.55	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,671.55	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,284.69	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,897.83	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,416.06	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,445.26	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,058.40	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,897.83	
			<i>For Variable Air Volume, Add</i>	1,083.20	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,794.06	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,118.29	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,402.69	1,428.24
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	938.25	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,815.30	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,712.74	
			<i>For Manual Roll Filter, Add</i>	4,803.34	
			<i>For Automatic Roll Filter, Add</i>	5,221.45	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,294.62	
			<i>For Electric Heating Coil, Add</i>	3,967.10	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,967.10	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,548.98	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,130.86	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,610.73	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,803.34	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,385.22	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,130.86	
			<i>For Variable Air Volume, Add</i>	1,170.73	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,872.18	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,207.52	
23 73 13 00-0012	EA		2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,221.85	1,536.81
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,012.43	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,959.00	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,927.52	
			<i>For Manual Roll Filter, Add</i>	5,184.19	
			<i>For Automatic Roll Filter, Add</i>	5,635.52	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,476.19	
			<i>For Electric Heating Coil, Add</i>	4,281.52	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,281.52	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,830.19	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,378.85	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,817.76	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	5,184.19	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,732.85	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,378.85	
			<i>For Variable Air Volume, Add</i>	1,263.73	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,957.35	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,302.72	



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,052.75	1,778.88
For Flat Filter Box And Throwaway Filters, Add	1,178.22	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,280.20	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,407.59	
For Manual Roll Filter, Add	6,035.49	
For Automatic Roll Filter, Add	6,561.07	
For Hot Water Heating Coil, Aluminum Fins, Add	2,882.01	
For Electric Heating Coil, Add	4,984.33	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,984.33	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,458.75	
For Steam Heating Coil, Aluminum Fins, Add	3,933.17	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,280.53	
For Chilled Water Cooling Coil, Copper Fins, Add	6,035.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,509.91	
For Hot Water Heating Coil, Copper Fins, Add	3,933.17	
For Variable Air Volume, Add	1,471.62	
For Economizer, Panel, Controls And Damper(s), Add	2,147.64	
For 2 Coils, Independent Circuits, Add	1,515.51	
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,673.13	1,911.67
For Flat Filter Box And Throwaway Filters, Add	1,230.73	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,379.50	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,555.60	
For Manual Roll Filter, Add	6,290.95	
For Automatic Roll Filter, Add	6,838.02	
For Hot Water Heating Coil, Aluminum Fins, Add	3,008.53	
For Electric Heating Coil, Add	5,196.81	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,196.81	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,649.74	
For Steam Heating Coil, Aluminum Fins, Add	4,102.67	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,419.01	
For Chilled Water Cooling Coil, Copper Fins, Add	6,290.95	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,743.88	
For Hot Water Heating Coil, Copper Fins, Add	4,102.67	
For Variable Air Volume, Add	1,531.80	
For Economizer, Panel, Controls And Damper(s), Add	2,252.44	
For 2 Coils, Independent Circuits, Add	1,586.14	
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,306.26	2,054.48
For Flat Filter Box And Throwaway Filters, Add	1,283.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,479.70	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,704.88	
For Manual Roll Filter, Add	6,547.69	
For Automatic Roll Filter, Add	7,116.26	
For Hot Water Heating Coil, Aluminum Fins, Add	3,136.32	
For Electric Heating Coil, Add	5,410.57	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,410.57	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,842.00	
For Steam Heating Coil, Aluminum Fins, Add	4,273.44	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,558.13	
For Chilled Water Cooling Coil, Copper Fins, Add	6,547.69	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,979.13	
For Hot Water Heating Coil, Copper Fins, Add	4,273.44	
For Variable Air Volume, Add	1,591.98	
For Economizer, Panel, Controls And Damper(s), Add	2,364.25	
For 2 Coils, Independent Circuits, Add	1,658.05	
23 73 13 00-0016 EA 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,698.53	2,371.84
For Flat Filter Box And Throwaway Filters, Add	1,400.38	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,699.08	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,031.67	
For Manual Roll Filter, Add	7,108.95	
For Automatic Roll Filter, Add	7,724.40	
For Hot Water Heating Coil, Aluminum Fins, Add	3,416.22	
For Electric Heating Coil, Add	5,878.04	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,878.04	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,262.58	
For Steam Heating Coil, Aluminum Fins, Add	4,647.13	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,862.20	
For Chilled Water Cooling Coil, Copper Fins, Add	7,108.95	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,493.49	
For Hot Water Heating Coil, Copper Fins, Add	4,647.13	
For Variable Air Volume, Add	1,723.27	
For Economizer, Panel, Controls And Damper(s), Add	2,295.77	
For 2 Coils, Independent Circuits, Add	1,816.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA		4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	15,698.53 1,400.38 2,699.08 4,031.67 7,108.95 7,724.40 3,416.22 5,878.04 5,878.04 5,262.58 4,647.13 3,862.20 7,108.95 6,493.49 4,647.13 1,723.27 2,295.77 1,816.04	2,371.84
23 73 13 00-0018	EA		5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	17,217.68 1,527.14 2,937.50 4,386.79 7,718.06 8,384.31 3,720.53 6,385.55 6,385.55 5,719.30 5,053.04 4,192.16 7,718.06 7,051.80 5,053.04 1,865.51 2,497.04 1,988.27	2,724.28
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	18,095.44 1,598.38 3,070.06 4,583.98 8,052.02 8,745.62 3,890.37 6,664.80 6,664.80 5,971.19 5,277.58 4,372.81 8,052.02 7,358.41 5,277.58 1,942.10 2,629.31 2,086.99	2,955.61
23 73 13 00-0020	EA		6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	18,955.64 1,668.74 3,201.39 4,779.41 8,384.22 9,105.18 4,058.45 6,942.29 6,942.29 6,221.33 5,500.37 4,552.59 8,384.22 7,663.26 5,500.37 2,018.69 2,754.56 2,183.95	3,175.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	19,821.14 1,739.37 3,333.10 4,975.37 8,716.95 9,465.26 4,227.06 7,220.32 7,220.32 6,472.00 5,723.69 4,732.63 8,716.95 7,968.63 5,723.69 2,095.28 2,881.94 2,281.44	3,399.08
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	20,818.60 1,820.51 3,484.20 5,200.17 9,098.05 9,877.63 4,420.59 7,538.90 7,538.90 6,759.32 5,979.74 4,938.81 9,098.05 8,318.47 5,979.74 2,182.81 3,030.63 2,393.69	3,658.81
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	21,831.23 1,902.40 3,636.36 5,426.47 9,480.66 10,291.50 4,615.64 7,858.99 7,858.99 7,048.15 6,237.31 5,145.75 9,480.66 8,669.82 6,237.31 2,270.35 2,864.34 2,507.46	3,920.21
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	22,875.24 1,985.86 3,790.72 5,655.92 9,866.42 10,708.51 4,813.82 8,182.22 8,182.22 7,340.12 6,498.02 5,354.26 9,866.42 9,024.32 6,498.02 2,357.88 2,989.98 2,624.36	4,221.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,064.90	4,573.31
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,080.51	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,965.44	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,915.56	
			<i>For Manual Roll Filter, Add</i>	10,301.90	
			<i>For Automatic Roll Filter, Add</i>	11,179.17	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,038.29	
			<i>For Electric Heating Coil, Add</i>	8,547.36	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,547.36	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	7,670.10	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	6,792.83	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,589.58	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,301.90	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,424.63	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	6,792.83	
			<i>For Variable Air Volume, Add</i>	2,456.35	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,135.87	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,757.40	
23 73	13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,225.80	4,882.79
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,173.73	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,138.14	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,172.33	
			<i>For Manual Roll Filter, Add</i>	10,734.51	
			<i>For Automatic Roll Filter, Add</i>	11,646.95	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,259.89	
			<i>For Electric Heating Coil, Add</i>	8,909.64	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,909.64	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	7,997.20	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,084.76	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,823.47	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,734.51	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,822.07	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,084.76	
			<i>For Variable Air Volume, Add</i>	2,554.82	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,273.12	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,887.55	
23 73	13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,331.46	4,727.81
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,196.59	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,191.26	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,253.23	
			<i>For Manual Roll Filter, Add</i>	10,903.34	
			<i>For Automatic Roll Filter, Add</i>	11,833.36	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,323.21	
			<i>For Electric Heating Coil, Add</i>	9,043.29	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,043.29	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,113.27	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,183.25	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,916.68	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,903.34	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,973.31	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,183.25	
			<i>For Variable Air Volume, Add</i>	2,604.06	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,199.31	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,905.15	
23 73	13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,443.96	5,245.37
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,269.80	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,314.85	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,434.82	
			<i>For Manual Roll Filter, Add</i>	11,172.85	
			<i>For Automatic Roll Filter, Add</i>	12,120.45	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,487.21	
			<i>For Electric Heating Coil, Add</i>	9,277.63	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,277.63	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,330.03	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,382.42	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,060.23	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	11,172.85	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	10,225.24	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,382.42	
			<i>For Variable Air Volume, Add</i>	2,653.30	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,427.56	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,023.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 27,845.18	27,845.18	5,456.06
For Flat Filter Box And Throwaway Filters, Add	2,396.53	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,560.26	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,801.58	
For Manual Roll Filter, Add	11,822.92	
For Automatic Roll Filter, Add	12,827.18	
For Hot Water Heating Coil, Aluminum Fins, Add	5,797.32	
For Electric Heating Coil, Add	9,814.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,814.38	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,810.12	
For Steam Heating Coil, Aluminum Fins, Add	7,805.85	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,413.59	
For Chilled Water Cooling Coil, Copper Fins, Add	11,822.92	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,818.65	
For Hot Water Heating Coil, Copper Fins, Add	7,805.85	
For Variable Air Volume, Add	2,811.95	
For Economizer, Panel, Controls And Damper(s), Add	2,951.97	
For 2 Coils, Independent Circuits, Add	3,186.22	
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 29,320.95	29,320.95	5,667.35
For Flat Filter Box And Throwaway Filters, Add	2,526.98	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,810.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,175.81	
For Manual Roll Filter, Add	12,480.44	
For Automatic Roll Filter, Add	13,541.37	
For Hot Water Heating Coil, Aluminum Fins, Add	6,114.88	
For Electric Heating Coil, Add	10,358.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,358.59	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,297.66	
For Steam Heating Coil, Aluminum Fins, Add	8,236.73	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,770.69	
For Chilled Water Cooling Coil, Copper Fins, Add	12,480.44	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,419.52	
For Hot Water Heating Coil, Copper Fins, Add	8,236.73	
For Variable Air Volume, Add	2,970.60	
For Economizer, Panel, Controls And Damper(s), Add	3,020.48	
For 2 Coils, Independent Circuits, Add	3,356.47	
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 30,883.80	30,883.80	5,885.33
For Flat Filter Box And Throwaway Filters, Add	2,669.59	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,087.92	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,589.99	
For Manual Roll Filter, Add	13,217.01	
For Automatic Roll Filter, Add	14,342.42	
For Hot Water Heating Coil, Aluminum Fins, Add	6,464.59	
For Electric Heating Coil, Add	10,966.20	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,966.20	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,840.80	
For Steam Heating Coil, Aluminum Fins, Add	8,715.40	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,171.21	
For Chilled Water Cooling Coil, Copper Fins, Add	13,217.01	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,091.61	
For Hot Water Heating Coil, Copper Fins, Add	8,715.40	
For Variable Air Volume, Add	3,151.13	
For Economizer, Panel, Controls And Damper(s), Add	3,075.15	
For 2 Coils, Independent Circuits, Add	3,538.54	
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 32,513.26	32,513.26	6,103.55
For Flat Filter Box And Throwaway Filters, Add	2,815.54	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,369.62	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,010.85	
For Manual Roll Filter, Add	13,960.25	
For Automatic Roll Filter, Add	15,150.13	
For Hot Water Heating Coil, Aluminum Fins, Add	6,820.97	
For Electric Heating Coil, Add	11,580.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,580.49	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,390.61	
For Steam Heating Coil, Aluminum Fins, Add	9,200.73	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,575.06	
For Chilled Water Cooling Coil, Copper Fins, Add	13,960.25	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,770.37	
For Hot Water Heating Coil, Copper Fins, Add	9,200.73	
For Variable Air Volume, Add	3,331.66	
For Economizer, Panel, Controls And Damper(s), Add	3,143.13	
For 2 Coils, Independent Circuits, Add	3,727.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	36,238.04 3,156.13 6,031.67 10,344.96 14,915.35 15,721.89 6,312.27 6,849.96 11,689.20 10,344.96 9,000.73 7,188.83 14,377.66 13,033.43 10,344.96 3,763.85 3,371.85 4,161.50	6,543.44
23 73 13 00-0034	EA		22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	40,199.74 3,514.43 6,725.54 11,542.20 16,657.32 17,559.98 7,028.87 7,630.64 13,046.65 11,542.20 10,037.76 8,027.77 16,055.54 14,551.09 11,542.20 4,212.45 3,504.40 4,621.75	7,052.05
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	44,525.54 3,912.43 7,500.78 12,883.31 18,616.23 19,627.92 7,824.86 8,499.32 14,569.46 12,883.31 11,197.16 8,970.88 17,941.77 16,255.61 12,883.31 4,721.22 3,625.44 5,127.01	7,556.12
23 73 13 00-0036	EA		27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	54,761.36 4,895.09 4,845.09 9,441.56 16,261.25 23,595.13 24,889.35 9,790.18 10,652.99 18,418.28 16,261.25 14,104.23 11,366.16 22,732.32 20,575.30 16,261.25 6,039.67 3,768.66 6,338.95	8,137.75



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	61,166.66	8,685.84
For Flat Filter Box And Throwaway Filters, Add	5,496.71	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,621.44	
For Combination Filter Mixing Box And Throwaway Filters, Add	18,308.54	
For Manual Roll Filter, Add	26,599.01	
For Automatic Roll Filter, Add	28,062.04	
For Hot Water Heating Coil, Aluminum Fins, Add	10,993.42	
For Electric Heating Coil, Add	11,968.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	20,746.91	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,308.54	
For Steam Heating Coil, Aluminum Fins, Add	15,870.16	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	12,811.83	
For Chilled Water Cooling Coil, Copper Fins, Add	25,623.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	23,185.29	
For Hot Water Heating Coil, Copper Fins, Add	18,308.54	
For Variable Air Volume, Add	6,827.45	
For Economizer, Panel, Controls And Damper(s), Add	3,624.88	
For 2 Coils, Independent Circuits, Add	7,092.02	
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	67,007.36	9,353.37
For Flat Filter Box And Throwaway Filters, Add	6,032.97	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,665.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,113.75	
For Manual Roll Filter, Add	29,234.60	
For Automatic Roll Filter, Add	30,844.16	
For Hot Water Heating Coil, Aluminum Fins, Add	12,065.94	
For Electric Heating Coil, Add	13,138.98	
For Chilled Water Cooling Coil, Aluminum Fins, Add	22,796.35	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,113.75	
For Steam Heating Coil, Aluminum Fins, Add	17,431.15	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	14,080.78	
For Chilled Water Cooling Coil, Copper Fins, Add	28,161.56	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,478.95	
For Hot Water Heating Coil, Copper Fins, Add	20,113.75	
For Variable Air Volume, Add	7,511.29	
For Economizer, Panel, Controls And Damper(s), Add	3,768.30	
For 2 Coils, Independent Circuits, Add	7,773.78	
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	73,515.98	10,106.75
For Flat Filter Box And Throwaway Filters, Add	6,626.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,816.84	
For Combination Filter Mixing Box And Throwaway Filters, Add	22,102.98	
For Manual Roll Filter, Add	32,133.92	
For Automatic Roll Filter, Add	33,904.09	
For Hot Water Heating Coil, Aluminum Fins, Add	13,252.15	
For Electric Heating Coil, Add	14,432.26	
For Chilled Water Cooling Coil, Aluminum Fins, Add	25,053.26	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,102.98	
For Steam Heating Coil, Aluminum Fins, Add	19,152.70	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	15,476.91	
For Chilled Water Cooling Coil, Copper Fins, Add	30,953.81	
For Direct Expansion Cooling Coil, Copper Fins, Add	28,003.53	
For Hot Water Heating Coil, Copper Fins, Add	22,102.98	
For Variable Air Volume, Add	8,260.77	
For Economizer, Panel, Controls And Damper(s), Add	3,941.57	
For 2 Coils, Independent Circuits, Add	8,531.71	
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	79,117.33	10,773.61
For Flat Filter Box And Throwaway Filters, Add	7,142.56	
For Medium Capacity Filter Box And Throwaway Filters, Add	13,823.61	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,845.18	
For Manual Roll Filter, Add	34,679.92	
For Automatic Roll Filter, Add	36,591.94	
For Hot Water Heating Coil, Aluminum Fins, Add	14,285.11	
For Electric Heating Coil, Add	15,559.79	
For Chilled Water Cooling Coil, Aluminum Fins, Add	27,031.87	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,845.18	
For Steam Heating Coil, Aluminum Fins, Add	20,658.49	
For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	16,702.62	
For Chilled Water Cooling Coil, Copper Fins, Add	33,405.25	
For Direct Expansion Cooling Coil, Copper Fins, Add	30,218.56	
For Hot Water Heating Coil, Copper Fins, Add	23,845.18	
For Variable Air Volume, Add	8,922.73	
For Economizer, Panel, Controls And Damper(s), Add	4,072.53	
For 2 Coils, Independent Circuits, Add	9,186.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 85,333.33	85,333.33	11,525.13
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	7,707.35	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,919.12	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	25,736.77	
			<i>For Manual Roll Filter, Add</i>	37,435.10	
			<i>For Automatic Roll Filter, Add</i>	39,499.52	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	15,414.71	
			<i>For Electric Heating Coil, Add</i>	16,790.98	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	29,177.46	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	25,736.77	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	22,296.08	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	18,029.41	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	36,058.83	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	32,618.14	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	25,736.77	
			<i>For Variable Air Volume, Add</i>	9,633.92	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,894.95	
			<i>For 2 Coils, Independent Circuits, Add</i>	9,909.61	
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 92,101.22	92,101.22	12,443.92
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,321.24	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	16,109.14	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	27,791.00	
			<i>For Manual Roll Filter, Add</i>	40,426.00	
			<i>For Automatic Roll Filter, Add</i>	42,655.71	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	16,642.48	
			<i>For Electric Heating Coil, Add</i>	18,128.95	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	31,507.18	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	27,791.00	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	24,074.83	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	19,469.77	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	38,939.53	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	35,223.36	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	27,791.00	
			<i>For Variable Air Volume, Add</i>	10,405.29	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,052.21	
			<i>For 2 Coils, Independent Circuits, Add</i>	10,696.59	
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 95,948.78	95,948.78	13,028.41
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,666.01	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	16,774.71	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	28,937.75	
			<i>For Manual Roll Filter, Add</i>	42,090.90	
			<i>For Automatic Roll Filter, Add</i>	44,412.05	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	17,332.03	
			<i>For Electric Heating Coil, Add</i>	18,879.46	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	32,806.33	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	28,937.75	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	25,069.18	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	20,271.74	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	40,543.47	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	36,674.90	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	28,937.75	
			<i>For Variable Air Volume, Add</i>	10,832.01	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,152.16	
			<i>For 2 Coils, Independent Circuits, Add</i>	11,142.31	
23 73 13 00-0044	EA		50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 99,575.63	99,575.63	13,529.50
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,991.94	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	17,404.50	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	30,023.35	
			<i>For Manual Roll Filter, Add</i>	43,668.09	
			<i>For Automatic Roll Filter, Add</i>	46,075.99	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	17,983.88	
			<i>For Electric Heating Coil, Add</i>	19,589.14	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	34,036.51	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	30,023.35	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	26,010.20	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	21,031.41	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	42,062.83	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	38,049.67	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	30,023.35	
			<i>For Variable Air Volume, Add</i>	11,236.84	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,244.06	
			<i>For 2 Coils, Independent Circuits, Add</i>	11,562.83	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	107,360.21 9,703.55 18,787.62 32,413.72 47,154.55 49,755.87 19,407.10 21,141.31 36,749.26 32,413.72 28,078.18 22,710.17 45,420.33 41,084.79 32,413.72 12,139.51 4,411.18 12,470.24	14,448.17
23 73	13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	117,440.70 10,639.37 20,615.92 35,580.74 51,789.68 54,650.08 21,278.74 23,185.67 40,348.08 35,580.74 30,813.41 24,941.37 49,882.75 45,115.41 35,580.74 13,348.54 4,109.40 13,651.00	15,450.36
23 73	13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	128,742.91 11,681.21 22,646.58 39,094.63 56,924.46 60,070.90 23,362.43 25,460.05 44,338.70 39,094.63 33,850.56 27,413.42 54,826.84 49,582.77 39,094.63 14,683.39 4,286.16 14,971.92	16,703.08
23 73	13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	141,329.36 12,836.12 24,894.14 42,981.17 62,597.97 66,059.76 25,672.23 27,980.09 48,750.82 42,981.17 37,211.52 30,145.06 60,290.11 54,520.47 42,981.17 16,155.01 4,493.64 16,440.79	18,122.85

23 73 13 00-0049 Multi-Zone Units (23 73 13)
Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050 EA 1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,399.03	1,503.04
For Economizer, Panel, Controls And Damper(s), Add	2,142.75	
For Flat Filter Box And Throwaway Filters, Add	732.56	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,400.72	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,777.74	
For Manual Roll Filter, Add	3,653.41	
For Automatic Roll Filter, Add	3,653.41	
For Hot Water Heating Coil, Aluminum Fins, Add	839.90	
For Electric Heating Coil, Add	964.95	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,028.19	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,028.19	
For Chilled Water Cooling Coil, Copper Fins, Add	3,653.41	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,653.41	
For 2 Coils, Independent Circuits, Add	964.95	
23 73 13 00-0051 EA 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,466.37	1,883.03
For Economizer, Panel, Controls And Damper(s), Add	2,523.10	
For Flat Filter Box And Throwaway Filters, Add	912.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,743.56	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,213.07	
For Manual Roll Filter, Add	4,545.94	
For Automatic Roll Filter, Add	4,545.94	
For Hot Water Heating Coil, Aluminum Fins, Add	1,046.64	
For Electric Heating Coil, Add	1,202.16	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,768.32	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,768.32	
For Chilled Water Cooling Coil, Copper Fins, Add	4,545.94	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,545.94	
For 2 Coils, Independent Circuits, Add	1,202.16	
23 73 13 00-0052 EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,944.55	2,004.14
For Economizer, Panel, Controls And Damper(s), Add	2,643.97	
For Flat Filter Box And Throwaway Filters, Add	1,151.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,216.74	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,806.72	
For Manual Roll Filter, Add	5,831.24	
For Automatic Roll Filter, Add	5,831.24	
For Hot Water Heating Coil, Aluminum Fins, Add	1,294.46	
For Electric Heating Coil, Add	1,496.09	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,823.06	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,823.06	
For Chilled Water Cooling Coil, Copper Fins, Add	5,831.24	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,831.24	
For 2 Coils, Independent Circuits, Add	1,496.09	
23 73 13 00-0053 EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,459.42	2,146.10
For Economizer, Panel, Controls And Damper(s), Add	2,785.55	
For Flat Filter Box And Throwaway Filters, Add	1,192.69	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,293.42	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,905.09	
For Manual Roll Filter, Add	6,023.40	
For Automatic Roll Filter, Add	6,023.40	
For Hot Water Heating Coil, Aluminum Fins, Add	1,345.94	
For Electric Heating Coil, Add	1,553.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,983.96	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,983.96	
For Chilled Water Cooling Coil, Copper Fins, Add	6,023.40	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,023.40	
For 2 Coils, Independent Circuits, Add	1,553.83	
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,752.13	2,300.61
For Economizer, Panel, Controls And Damper(s), Add	2,940.70	
For Flat Filter Box And Throwaway Filters, Add	1,410.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,723.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,445.02	
For Manual Roll Filter, Add	7,184.65	
For Automatic Roll Filter, Add	7,184.65	
For Hot Water Heating Coil, Aluminum Fins, Add	1,575.21	
For Electric Heating Coil, Add	1,824.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,938.11	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,938.11	
For Chilled Water Cooling Coil, Copper Fins, Add	7,184.65	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,184.65	
For 2 Coils, Independent Circuits, Add	1,824.52	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,610.03	2,463.70
For Economizer, Panel, Controls And Damper(s), Add	3,103.58	
For Flat Filter Box And Throwaway Filters, Add	1,485.03	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,864.48	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,624.60	
For Manual Roll Filter, Add	7,551.79	
For Automatic Roll Filter, Add	7,551.79	
For Hot Water Heating Coil, Aluminum Fins, Add	1,661.00	
For Electric Heating Coil, Add	1,922.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,242.72	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,242.72	
For Chilled Water Cooling Coil, Copper Fins, Add	7,551.79	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,551.79	
For 2 Coils, Independent Circuits, Add	1,922.82	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,512.65	2,630.62
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,270.40	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,563.38	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,014.03	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	3,814.50	
			<i>For Manual Roll Filter, Add</i>	7,940.98	
			<i>For Automatic Roll Filter, Add</i>	7,940.98	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,751.27	
			<i>For Electric Heating Coil, Add</i>	2,026.36	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	6,565.49	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	6,565.49	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	7,940.98	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	7,940.98	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,026.36	
23 73	13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,537.25	2,822.82
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,963.13	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,752.53	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,384.35	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	4,280.73	
			<i>For Manual Roll Filter, Add</i>	8,934.75	
			<i>For Automatic Roll Filter, Add</i>	8,934.75	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,953.73	
			<i>For Electric Heating Coil, Add</i>	2,263.99	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	7,383.41	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	7,383.41	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	8,934.75	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	8,934.75	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,263.99	
23 73	13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,356.20	3,023.02
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,125.36	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	1,919.68	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,709.79	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	4,691.22	
			<i>For Manual Roll Filter, Add</i>	9,802.43	
			<i>For Automatic Roll Filter, Add</i>	9,802.43	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,135.62	
			<i>For Electric Heating Coil, Add</i>	2,476.37	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,098.70	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,098.70	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	9,802.43	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,802.43	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,476.37	
23 73	13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,577.24	3,228.71
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,281.12	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,027.62	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,917.18	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	4,954.00	
			<i>For Manual Roll Filter, Add</i>	10,346.56	
			<i>For Automatic Roll Filter, Add</i>	10,346.56	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,257.72	
			<i>For Electric Heating Coil, Add</i>	2,617.23	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,549.04	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,549.04	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,346.56	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	10,346.56	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,617.23	
23 73	13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,898.17	3,449.43
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,461.54	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,243.31	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,338.72	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,485.03	
			<i>For Manual Roll Filter, Add</i>	11,475.46	
			<i>For Automatic Roll Filter, Add</i>	11,475.46	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,489.82	
			<i>For Electric Heating Coil, Add</i>	2,889.18	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,478.65	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	9,478.65	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	11,475.46	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	11,475.46	
			<i>For 2 Coils, Independent Circuits, Add</i>	2,889.18	
23 73	13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,491.82	3,691.62
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,650.30	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,385.52	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,612.84	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,831.96	
			<i>For Manual Roll Filter, Add</i>	12,197.53	
			<i>For Automatic Roll Filter, Add</i>	12,197.53	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,649.18	
			<i>For Electric Heating Coil, Add</i>	3,073.55	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	10,075.67	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	10,075.67	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	12,197.53	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	12,197.53	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,073.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062	EA		6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,050.87	4,008.74
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,897.20	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,618.98	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,066.29	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,404.39	
			<i>For Manual Roll Filter, Add</i>	13,402.99	
			<i>For Automatic Roll Filter, Add</i>	13,402.99	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,905.09	
			<i>For Electric Heating Coil, Add</i>	3,371.66	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	11,070.13	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	11,070.13	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	13,402.99	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	13,402.99	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,371.66	
23 73 13 00-0063	EA		7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,213.81	4,317.87
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,141.17	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,813.09	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,441.21	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,878.59	
			<i>For Manual Roll Filter, Add</i>	14,393.00	
			<i>For Automatic Roll Filter, Add</i>	14,393.00	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,121.38	
			<i>For Electric Heating Coil, Add</i>	3,622.34	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	11,888.20	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	11,888.20	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	14,393.00	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	14,393.00	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,622.34	
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,759.05	4,668.51
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,602.38	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,943.11	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	5,686.54	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	7,191.37	
			<i>For Manual Roll Filter, Add</i>	15,022.30	
			<i>For Automatic Roll Filter, Add</i>	15,022.30	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,275.91	
			<i>For Electric Heating Coil, Add</i>	3,797.97	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	12,411.99	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	12,411.99	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	15,022.30	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	15,022.30	
			<i>For 2 Coils, Independent Circuits, Add</i>	3,797.97	
23 73 13 00-0065	EA		8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,349.14	5,035.74
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,819.22	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,275.01	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	6,334.08	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	8,007.58	
			<i>For Manual Roll Filter, Add</i>	16,752.90	
			<i>For Automatic Roll Filter, Add</i>	16,752.90	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,634.91	
			<i>For Electric Heating Coil, Add</i>	4,217.94	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	13,837.79	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	13,837.79	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	16,752.90	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	16,752.90	
			<i>For 2 Coils, Independent Circuits, Add</i>	4,217.94	
23 73 13 00-0066	EA		8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,278.61	5,428.26
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,043.94	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,439.87	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	6,646.94	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	8,405.68	
			<i>For Manual Roll Filter, Add</i>	17,561.30	
			<i>For Automatic Roll Filter, Add</i>	17,561.30	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	3,827.86	
			<i>For Electric Heating Coil, Add</i>	4,438.24	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	14,509.43	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	14,509.43	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	17,561.30	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	17,561.30	
			<i>For 2 Coils, Independent Circuits, Add</i>	4,438.24	
23 73 13 00-0067	EA		9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,415.21	5,879.48
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,288.99	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,622.90	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	6,994.62	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	8,847.93	
			<i>For Manual Roll Filter, Add</i>	18,460.75	
			<i>For Automatic Roll Filter, Add</i>	18,460.75	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	4,041.52	
			<i>For Electric Heating Coil, Add</i>	4,682.38	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	15,256.48	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	15,256.48	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	18,460.75	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	18,460.75	
			<i>For 2 Coils, Independent Circuits, Add</i>	4,682.38	



Heating, Ventilating, and Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	42,717.72 3,901.85 3,818.13 7,364.07 9,318.50 19,411.97 19,411.97 4,271.77 4,944.67 16,047.48 16,047.48 19,411.97 19,411.97 4,944.67	6,346.81
23 73	13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	43,920.60 4,010.67 3,920.28 7,557.49 9,564.81 19,910.32 19,910.32 4,392.06 5,081.76 16,461.82 16,461.82 19,910.32 19,910.32 5,081.76	6,589.37
23 73	13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	45,069.00 4,103.15 4,019.71 7,747.10 9,805.68 20,403.23 20,403.23 4,506.90 5,213.40 16,870.71 16,870.71 20,403.23 20,403.23 5,213.40	6,824.53
23 73	13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	50,964.16 3,433.66 4,588.00 8,870.96 11,215.80 23,454.56 23,454.56 5,096.42 5,912.33 19,374.97 19,374.97 23,454.56 23,454.56 5,912.33	7,098.81
23 73	13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	56,814.42 3,580.87 5,154.05 9,991.67 12,621.43 26,501.41 26,501.41 5,681.44 6,606.77 21,874.75 21,874.75 26,501.41 26,501.41 6,606.77	7,380.02
23 73	13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	65,348.56 3,648.54 5,988.13 11,648.22 14,696.96 31,021.17 31,021.17 6,534.86 7,623.14 25,579.77 25,579.77 31,021.17 31,021.17 7,623.14	7,658.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	73,888.18	7,933.96
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,717.17	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,822.48	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	13,305.17	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	16,773.04	
			<i>For Manual Roll Filter, Add</i>	35,541.49	
			<i>For Automatic Roll Filter, Add</i>	35,541.49	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	7,388.82	
			<i>For Electric Heating Coil, Add</i>	8,640.05	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	29,285.34	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	29,285.34	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	35,541.49	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	35,541.49	
			<i>For 2 Coils, Independent Circuits, Add</i>	8,640.05	
23 73	13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	82,975.12	8,602.09
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,885.00	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	7,683.23	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	11,463.41	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	18,900.92	
			<i>For Manual Roll Filter, Add</i>	29,504.34	
			<i>For Automatic Roll Filter, Add</i>	36,573.28	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	8,297.51	
			<i>For Electric Heating Coil, Add</i>	9,711.30	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	29,504.34	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	29,504.34	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	15,366.45	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	36,573.28	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	36,573.28	
			<i>For 2 Coils, Independent Circuits, Add</i>	9,711.30	
23 73	13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	89,488.41	9,353.73
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,758.38	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,284.38	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	12,360.12	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	20,378.72	
			<i>For Manual Roll Filter, Add</i>	31,808.60	
			<i>For Automatic Roll Filter, Add</i>	39,428.52	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	8,948.84	
			<i>For Electric Heating Coil, Add</i>	10,472.83	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	31,808.60	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	31,808.60	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	16,568.76	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	39,428.52	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	39,428.52	
			<i>For 2 Coils, Independent Circuits, Add</i>	10,472.83	
23 73	13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	106,809.29	10,105.01
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,929.86	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	9,959.31	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,866.80	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	24,537.46	
			<i>For Manual Roll Filter, Add</i>	38,393.99	
			<i>For Automatic Roll Filter, Add</i>	47,631.68	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	10,680.93	
			<i>For Electric Heating Coil, Add</i>	12,528.47	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	38,393.99	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	38,393.99	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	19,918.62	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	47,631.68	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	47,631.68	
			<i>For 2 Coils, Independent Circuits, Add</i>	12,528.47	
23 73	13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	120,762.01	10,940.52
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,106.07	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	11,295.85	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	16,865.73	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	27,849.43	
			<i>For Manual Roll Filter, Add</i>	43,622.67	
			<i>For Automatic Roll Filter, Add</i>	54,138.16	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	12,076.20	
			<i>For Electric Heating Coil, Add</i>	14,179.30	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	43,622.67	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	43,622.67	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	22,591.69	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	54,138.16	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	54,138.16	
			<i>For 2 Coils, Independent Circuits, Add</i>	14,179.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	130,894.61	11,776.03
For Economizer, Panel, Controls And Damper(s), Add	4,289.54	
For Flat Filter Box And Throwaway Filters, Add	12,247.95	
For Medium Capacity Filter Box And Throwaway Filters, Add	18,287.77	
For Combination Filter Mixing Box And Throwaway Filters, Add	30,199.11	
For Manual Roll Filter, Add	47,308.76	
For Automatic Roll Filter, Add	58,715.20	
For Hot Water Heating Coil, Aluminum Fins, Add	13,089.46	
For Electric Heating Coil, Add	15,370.75	
For Chilled Water Cooling Coil, Aluminum Fins, Add	47,308.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	47,308.76	
For Steam Heating Coil, Aluminum Fins, Add	24,495.90	
For Chilled Water Cooling Coil, Copper Fins, Add	58,715.20	
For Direct Expansion Cooling Coil, Copper Fins, Add	58,715.20	
For 2 Coils, Independent Circuits, Add	15,370.75	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	146,273.99	13,779.69
For Economizer, Panel, Controls And Damper(s), Add	4,288.26	
For Flat Filter Box And Throwaway Filters, Add	13,644.09	
For Medium Capacity Filter Box And Throwaway Filters, Add	20,367.81	
For Combination Filter Mixing Box And Throwaway Filters, Add	33,618.58	
For Manual Roll Filter, Add	52,609.77	
For Automatic Roll Filter, Add	65,270.56	
For Hot Water Heating Coil, Aluminum Fins, Add	14,627.40	
For Electric Heating Coil, Add	17,159.56	
For Chilled Water Cooling Coil, Aluminum Fins, Add	52,609.77	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,609.77	
For Steam Heating Coil, Aluminum Fins, Add	27,288.19	
For Chilled Water Cooling Coil, Copper Fins, Add	65,270.56	
For Direct Expansion Cooling Coil, Copper Fins, Add	65,270.56	
For 2 Coils, Independent Circuits, Add	17,159.56	
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	147,009.53	14,281.14
For Economizer, Panel, Controls And Damper(s), Add	4,380.20	
For Flat Filter Box And Throwaway Filters, Add	13,680.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	20,419.30	
For Combination Filter Mixing Box And Throwaway Filters, Add	33,692.14	
For Manual Roll Filter, Add	52,683.32	
For Automatic Roll Filter, Add	65,344.11	
For Hot Water Heating Coil, Aluminum Fins, Add	14,700.95	
For Electric Heating Coil, Add	17,233.11	
For Chilled Water Cooling Coil, Aluminum Fins, Add	52,683.32	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,683.32	
For Steam Heating Coil, Aluminum Fins, Add	27,361.74	
For Chilled Water Cooling Coil, Copper Fins, Add	65,344.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	65,344.11	
For 2 Coils, Independent Circuits, Add	17,233.11	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	153,762.84	14,781.75
For Economizer, Panel, Controls And Damper(s), Add	4,472.15	
For Flat Filter Box And Throwaway Filters, Add	14,319.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	21,373.45	
For Combination Filter Mixing Box And Throwaway Filters, Add	35,270.14	
For Manual Roll Filter, Add	55,163.99	
For Automatic Roll Filter, Add	68,426.56	
For Hot Water Heating Coil, Aluminum Fins, Add	15,376.28	
For Electric Heating Coil, Add	18,028.80	
For Chilled Water Cooling Coil, Aluminum Fins, Add	55,163.99	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,163.99	
For Steam Heating Coil, Aluminum Fins, Add	28,638.85	
For Chilled Water Cooling Coil, Copper Fins, Add	68,426.56	
For Direct Expansion Cooling Coil, Copper Fins, Add	68,426.56	
For 2 Coils, Independent Circuits, Add	18,028.80	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	160,866.94	15,867.93
For Economizer, Panel, Controls And Damper(s), Add	4,661.67	
For Flat Filter Box And Throwaway Filters, Add	14,954.03	
For Medium Capacity Filter Box And Throwaway Filters, Add	22,317.78	
For Combination Filter Mixing Box And Throwaway Filters, Add	36,818.74	
For Manual Roll Filter, Add	57,550.78	
For Automatic Roll Filter, Add	71,372.14	
For Hot Water Heating Coil, Aluminum Fins, Add	16,086.69	
For Electric Heating Coil, Add	18,850.97	
For Chilled Water Cooling Coil, Aluminum Fins, Add	57,550.78	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	57,550.78	
For Steam Heating Coil, Aluminum Fins, Add	29,908.06	
For Chilled Water Cooling Coil, Copper Fins, Add	71,372.14	
For Direct Expansion Cooling Coil, Copper Fins, Add	71,372.14	
For 2 Coils, Independent Circuits, Add	18,850.97	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	173,379.93	16,703.08
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,799.50	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	16,150.19	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	24,106.51	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	39,781.59	
			<i>For Manual Roll Filter, Add</i>	62,225.18	
			<i>For Automatic Roll Filter, Add</i>	77,187.58	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	17,337.99	
			<i>For Electric Heating Coil, Add</i>	20,330.47	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	62,225.18	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	62,225.18	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	32,300.39	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	77,187.58	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	77,187.58	
			<i>For 2 Coils, Independent Circuits, Add</i>	20,330.47	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	186,396.51	17,621.75
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,420.59	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	17,379.36	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	25,943.00	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	42,818.24	
			<i>For Manual Roll Filter, Add</i>	66,996.83	
			<i>For Automatic Roll Filter, Add</i>	83,115.90	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	18,639.65	
			<i>For Electric Heating Coil, Add</i>	21,863.46	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	66,996.83	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	66,996.83	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	34,758.71	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	83,115.90	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	83,115.90	
			<i>For 2 Coils, Independent Circuits, Add</i>	21,863.46	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	200,796.59	18,707.46
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,571.07	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	18,744.12	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	27,982.63	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	46,192.54	
			<i>For Manual Roll Filter, Add</i>	72,305.42	
			<i>For Automatic Roll Filter, Add</i>	89,714.00	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	20,079.66	
			<i>For Electric Heating Coil, Add</i>	23,561.38	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	72,305.42	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	72,305.42	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	37,488.25	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	89,714.00	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	89,714.00	
			<i>For 2 Coils, Independent Circuits, Add</i>	23,561.38	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	215,428.28	19,208.55
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,639.21	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	20,173.22	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	30,122.87	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	49,748.25	
			<i>For Manual Roll Filter, Add</i>	77,953.68	
			<i>For Automatic Roll Filter, Add</i>	96,757.30	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	21,542.83	
			<i>For Electric Heating Coil, Add</i>	25,303.55	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	77,953.68	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	77,953.68	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	40,346.45	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	96,757.30	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	96,757.30	
			<i>For 2 Coils, Independent Circuits, Add</i>	25,303.55	
23 73 13 00-0088			Return/Supply Air Fan <small>(23 73 13)</small>		
			Note: Includes vibration mounts.		
23 73 13 00-0089	EA		300 CFM Return Air Fan	3,537.16	668.01
23 73 13 00-0090	EA		500 CFM Return Air Fan	4,588.48	801.63
23 73 13 00-0091	EA		750 CFM Return Air Fan	4,790.74	835.04
23 73 13 00-0092	EA		1,000 CFM Return Air Fan	5,468.09	885.14
23 73 13 00-0093	EA		1,250 CFM Return Air Fan	5,634.61	926.90
23 73 13 00-0094	EA		1,500 CFM Return Air Fan	5,765.36	968.66
23 73 13 00-0095	EA		1,750 CFM Return Air Fan	6,050.84	1,018.77
23 73 13 00-0096	EA		2,000 CFM Return Air Fan	6,728.16	1,068.87
23 73 13 00-0097	EA		2,250 CFM Return Air Fan	7,049.15	1,118.99
23 73 13 00-0098	EA		2,500 CFM Return Air Fan	7,227.65	1,169.10
23 73 13 00-0099	EA		3,000 CFM Return Air Fan	7,655.64	1,294.37
23 73 13 00-0100	EA		3,500 CFM Return Air Fan	7,858.20	1,361.18
23 73 13 00-0101	EA		4,000 CFM Return Air Fan	8,048.54	1,419.65
23 73 13 00-0102	EA		4,500 CFM Return Air Fan	8,286.71	1,486.57
23 73 13 00-0103	EA		5,000 CFM Return Air Fan	8,500.81	1,561.74
23 73 13 00-0104	EA		5,500 CFM Return Air Fan	8,905.59	1,745.47
23 73 13 00-0105	EA		6,000 CFM Return Air Fan	10,118.97	2,071.18
23 73 13 00-0106	EA		6,500 CFM Return Air Fan	10,381.17	2,104.59
23 73 13 00-0107	EA		7,000 CFM Return Air Fan	10,499.46	2,112.94
23 73 13 00-0108	EA		8,000 CFM Return Air Fan	11,046.69	2,146.35
23 73 13 00-0109	EA		9,000 CFM Return Air Fan	11,292.29	2,171.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	11,878.86	2,255.27
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	12,648.89	2,296.55
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	14,275.82	2,361.81
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	15,561.22	2,488.64
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	18,494.70	2,596.97
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	19,380.46	2,687.52
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	20,259.59	2,764.36
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	21,477.28	3,039.97
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	22,961.65	3,206.75
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	25,897.01	3,340.26
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	30,507.09	3,674.32
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	37,527.75	4,175.41
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	45,652.52	4,326.10
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	47,784.67	4,451.01
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	48,884.74	4,567.93
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	51,265.91	4,768.26
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	53,846.50	5,003.05
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	57,910.79	5,248.47
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	60,481.36	5,526.69
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	62,455.20	5,841.43
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	67,146.96	6,108.79
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	72,231.47	6,400.98
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	77,749.86	6,723.47
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	85,062.54	7,081.63

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)
 Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135 EA Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	3,059.18
23 73 13 00-0136 EA Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	4,149.84
23 73 13 00-0137 EA Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	5,162.35
23 73 13 00-0138 EA Removal And Reinstallation Of >22,000 CFM Air Handling Unit	9,419.03

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002 EA 2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,924.63	1,905.80
For Unit Without Heat, Deduct	-423.29	
For Unit Without Factory Installed Economizer, Deduct	-1,103.56	
For Unit Without Roof Curb, Deduct	-763.30	
23 74 16 13-0003 EA 3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,690.28	1,992.43
For Unit Without Heat, Deduct	-467.34	
For Unit Without Factory Installed Economizer, Deduct	-1,103.56	
For Unit Without Roof Curb, Deduct	-763.30	
23 74 16 13-0004 EA 4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,966.95	2,079.06
For Unit Without Heat, Deduct	-536.95	
For Unit Without Factory Installed Economizer, Deduct	-1,103.56	
For Unit Without Roof Curb, Deduct	-763.30	
23 74 16 13-0005 EA 5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,499.96	2,209.00
For Unit Without Heat, Deduct	-622.27	
For Unit Without Factory Installed Economizer, Deduct	-1,103.56	
For Unit Without Roof Curb, Deduct	-763.30	
23 74 16 13-0006 EA 6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,286.86	2,338.95
For Unit Without Heat, Deduct	-670.27	
For Unit Without Factory Installed Economizer, Deduct	-1,103.56	
For Unit Without Roof Curb, Deduct	-763.30	
23 74 16 13-0007 EA 7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,955.04	2,512.20
For Unit Without Heat, Deduct	-765.23	
For Unit Without Factory Installed Economizer, Deduct	-1,126.35	
For Unit Without Roof Curb, Deduct	-915.98	
23 74 16 13-0008 EA 8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,309.62	2,642.14
For Unit Without Heat, Deduct	-891.62	
For Unit Without Factory Installed Economizer, Deduct	-1,126.35	
For Unit Without Roof Curb, Deduct	-915.98	
23 74 16 13-0009 EA 10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,088.51	2,815.39
For Unit Without Heat, Deduct	-942.12	
For Unit Without Factory Installed Economizer, Deduct	-1,151.88	
For Unit Without Roof Curb, Deduct	-915.98	
23 74 16 13-0010 EA 12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,494.75	3,042.36
For Unit Without Heat, Deduct	-1,127.59	
For Unit Without Factory Installed Economizer, Deduct	-1,244.02	
For Unit Without Roof Curb, Deduct	-915.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0011	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	20,078.00	3,270.19
			<i>For Unit Without Heat, Deduct</i>	-1,221.91	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-915.98	
23 74 16 13-0012	EA		17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	22,929.20	3,497.44
			<i>For Unit Without Heat, Deduct</i>	-1,379.63	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-915.98	
23 74 16 13-0013	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	25,845.75	3,724.98
			<i>For Unit Without Heat, Deduct</i>	-1,540.62	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-915.98	
23 74 16 13-0014	EA		22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,764.48	4,103.84
			<i>For Unit Without Heat, Deduct</i>	-1,711.82	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-915.98	
23 74 16 13-0015	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,694.30	4,482.98
			<i>For Unit Without Heat, Deduct</i>	-1,833.58	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-915.98	
23 74 16 13-0016	EA		27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,979.98	4,905.43
			<i>For Unit Without Heat, Deduct</i>	-1,976.02	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,378.52	
23 74 16 13-0017	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	36,008.70	5,327.60
			<i>For Unit Without Heat, Deduct</i>	-2,155.61	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,378.52	
23 74 16 13-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,755.56	6,215.53
			<i>For Unit Without Heat, Deduct</i>	-2,502.15	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,378.52	
23 74 16 13-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	47,925.54	7,103.46
			<i>For Unit Without Heat, Deduct</i>	-2,869.84	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,082.84	
23 74 16 13-0020	EA		45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	52,449.69	8,013.05
			<i>For Unit Without Heat, Deduct</i>	-3,156.69	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,082.84	
23 74 16 13-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	60,460.86	8,922.64
			<i>For Unit Without Heat, Deduct</i>	-3,617.89	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,082.84	
23 74 16 13-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	67,320.39	9,788.92
			<i>For Unit Without Heat, Deduct</i>	-4,018.61	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,585.35	
23 74 16 13-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	72,799.97	10,655.19
			<i>For Unit Without Heat, Deduct</i>	-4,350.35	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,585.35	
23 74 16 13-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	78,034.46	11,521.47
			<i>For Unit Without Heat, Deduct</i>	-4,669.82	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,692.99	
23 74 16 13-0025	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	83,919.49	12,387.74
			<i>For Unit Without Heat, Deduct</i>	-5,021.82	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,692.99	
23 74 16 13-0026	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	90,899.94	13,340.65
			<i>For Unit Without Heat, Deduct</i>	-5,434.37	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,351.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,997.52	
23 74 16 13-0027			Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>		
			Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	5,796.23	1,732.55
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,103.56	
			<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	6,765.23	1,992.43
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,103.56	
			<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	8,515.45	2,295.63
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,103.56	
			<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	9,656.88	2,468.88
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,103.56	
			<i>For Unit Without Roof Curb, Deduct</i>	-763.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0032 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	10,920.66 -1,103.56 -763.30	2,663.80
23 74 16 13-0033 EA 7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	12,760.70 -1,126.35 -915.98	2,793.74
23 74 16 13-0034 EA 8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	15,879.18 -1,126.35 -915.98	2,317.28
23 74 16 13-0035 EA 10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	16,342.89 -1,151.88 -915.98	3,118.59
23 74 16 13-0036 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	20,386.09 -1,244.02 -915.98	3,378.47
23 74 16 13-0037 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	22,173.65 -2,351.59 -915.98	3,638.35
23 74 16 13-0038 EA 17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	25,746.62 -2,351.59 -915.98	3,898.25
23 74 16 13-0039 EA 20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	32,571.17 -2,351.59 -915.98	4,158.13
23 74 16 13-0040 EA 22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	39,732.18 -2,351.59 -915.98	4,591.26
23 74 16 13-0041 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	46,893.20 -2,351.59 -915.98	4,966.65
23 74 16 13-0042 EA 27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	48,336.97 -2,351.59 -1,378.52	5,457.54
23 74 16 13-0043 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	50,480.16 -2,351.59 -1,378.52	5,890.68
23 74 16 13-0044 EA 35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	56,230.62 -2,351.59 -1,378.52	6,886.89
23 74 16 13-0045 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	62,509.50 -2,351.59 -2,082.84	7,883.11
23 74 16 13-0046 EA 45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	67,687.75 -2,351.59 -2,082.84	8,879.32
23 74 16 13-0047 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	72,304.55 -2,351.59 -2,082.84	9,875.55
23 74 16 13-0048 EA 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	79,524.93 -2,351.59 -2,585.35	10,871.76
23 74 16 13-0049 EA 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	86,443.97 -2,351.59 -2,585.35	11,867.98
23 74 16 13-0050 EA 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	93,262.61 -2,351.59 -2,692.99	12,366.08
23 74 16 13-0051 EA 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	100,154.13 -2,351.59 -2,692.99	12,842.54
23 74 16 13-0052 EA 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	110,050.91 -2,351.59 -2,997.52	13,340.65
23 74 16 13-0053 EA 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	104,830.55 -2,351.59 -2,997.52	13,860.41
23 74 16 13-0054 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	151,231.31 -2,351.59 -2,997.52	16,285.98
23 74 16 13-0055 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	170,431.82 -2,351.59 -2,997.52	19,837.71

23 74 16 13-0056 AAON Rooftop Units (23 74 16 13)
 Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.

23 74 16 13-0057 AAON RQ Rooftop Units (23 74 16 13-0056)
 Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0058	EA		2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	14,662.59 1,564.12 1,696.97 1,336.02 1,529.03 7,795.53 1,819.79	1,732.55
23 74 16 13-0059	EA		3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	15,986.68 1,676.92 1,819.79 1,431.27 1,639.32 7,795.53 1,819.79	1,992.43
23 74 16 13-0060	EA		4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	16,614.03 1,676.92 1,819.79 1,431.27 1,639.32 7,795.53 1,819.79	2,295.63
23 74 16 13-0061	EA		5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	17,043.06 1,676.92 1,819.79 1,431.27 1,639.32 7,795.53 1,819.79	2,468.88
23 74 16 13-0062	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	18,643.97 1,676.92 1,819.79 1,431.27 1,639.32 7,795.53 1,819.79	3,010.37
23 74 16 13-0063			AAON RNA Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.		
23 74 16 13-0064	EA		6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	22,556.77 1,631.80 2,506.60 1,671.90 1,544.07 4,163.46 1,418.74	2,663.86
23 74 16 13-0065	EA		7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	24,081.08 1,631.80 2,506.60 1,671.90 1,544.07 4,163.46 1,418.74	2,793.79
23 74 16 13-0066	EA		8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	27,648.47 1,631.80 2,506.60 1,671.90 1,544.07 4,163.46 1,418.74	3,010.37
23 74 16 13-0067	EA		10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	27,925.71 1,631.80 2,506.60 1,671.90 1,544.07 4,163.46 1,418.74	3,118.59
23 74 16 13-0068			AAON RNB Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.		
23 74 16 13-0069	EA		9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	33,126.91 2,403.83 1,879.95 1,491.43 3,970.45 1,426.26	3,118.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0070 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	33,379.87	3,031.96
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,403.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,879.95	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	3,970.45	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,426.26	
23 74 16 13-0071 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	36,393.60	3,378.47
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,403.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,879.95	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	3,970.45	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,426.26	
23 74 16 13-0072 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	37,321.64	3,638.35
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	2,403.83	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	1,879.95	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	3,970.45	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	1,426.26	
23 74 16 13-0073 AAON RNC Rooftop Units <small>(23 74 16 13-0056)</small>		
<small>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.</small>		
23 74 16 13-0074 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	48,079.96	3,638.35
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	3,549.35	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,506.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	7,281.67	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.21	
23 74 16 13-0075 EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	51,940.73	3,898.25
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	3,549.35	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,506.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	7,281.67	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.21	
23 74 16 13-0076 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	55,036.99	4,158.13
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	3,549.35	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,506.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	7,281.67	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.21	
23 74 16 13-0077 EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	59,543.34	5,024.40
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	3,549.35	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,506.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	7,281.67	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.21	
23 74 16 13-0078 EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)	67,528.87	5,890.68
<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	3,549.35	
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	2,506.60	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	1,491.43	
<i>For Factory Installed Exhaust Fan, Add</i>	7,281.67	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	649.21	
23 74 16 13-0079 AAON RND Rooftop Units <small>(23 74 16 13-0056)</small>		
<small>Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.</small>		
23 74 16 13-0080 EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	90,442.20	5,024.40
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,133.25	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,393.94	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,762.54	
23 74 16 13-0081 EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	103,054.91	5,890.68
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,133.25	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,393.94	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,762.54	
23 74 16 13-0082 EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	121,425.36	7,883.11
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,133.25	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,393.94	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,762.54	
23 74 16 13-0083 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	142,405.18	9,875.55
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,133.25	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,393.94	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,762.54	
23 74 16 13-0084 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)	156,429.19	11,867.98
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,133.25	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,393.94	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,762.54	
23 74 16 13-0085 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)	164,614.23	12,842.60
<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,133.25	
<i>For Factory Installed Non-Fused Disconnect, Add</i>	3,393.94	
<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	4,762.54	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 16 13-0086			AAON RNE Rooftop Units <small>(23 74 16 13-0056)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0087	EA		55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)	152,002.74	10,871.76
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	
23 74 16 13-0088	EA		65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)	167,443.08	12,366.14
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	
23 74 16 13-0089	EA		75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)	178,039.48	13,340.65
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	
23 74 16 13-0090	EA		95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)	215,501.48	18,061.85
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	
23 74 16 13-0091	EA		105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)	233,439.60	20,617.37
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	
23 74 16 13-0092	EA		120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)	272,191.40	22,696.42
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	
23 74 16 13-0093	EA		130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	278,869.67	24,082.46
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	
23 74 16 13-0094	EA		140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	292,304.12	26,941.19
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	3,539.32	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	5,083.38	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	6,767.82	

23 74 16 13-0095 **Packaged Rooftop Units (Trane, Carrier Or Equal)** (23 74 16 13)
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0096 **Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal)** (23 74 16 13-0095)

23 74 16 13-0097 **Standard Efficiency Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal)** (23 74 16 13-0096)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.

23 74 16 13-0098	EA		3 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC036)	11,563.40	1,992.43
			<i>For Factory Installed Economizer, Add</i>	1,138.98	
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			<i>Note: Includes CO2 wall mounted sensor.</i>		
23 74 16 13-0099	EA		4 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC048)	12,882.64	2,295.63
			<i>For Factory Installed Economizer, Add</i>	1,233.90	
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			<i>Note: Includes CO2 wall mounted sensor.</i>		
23 74 16 13-0100	EA		5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC060)	14,055.21	2,468.88
			<i>For Factory Installed Economizer, Add</i>	1,233.90	
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			<i>Note: Includes CO2 wall mounted sensor.</i>		
23 74 16 13-0101	EA		6 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC072)	15,505.33	2,663.86
			<i>For Factory Installed Economizer, Add</i>	1,233.90	
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			<i>Note: Includes CO2 wall mounted sensor.</i>		



Heating, Ventilating, and Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Packaged Outdoor HVAC Equipment	23 74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0102 EA 7.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC092).....	18,108.40	2,793.79
<i>For Factory Installed Economizer, Add</i>	1,233.90	
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	1,772.95	
<i>Note: Includes CO2 wall mounted sensor.</i>		
23 74 16 13-0103 EA 8.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC102).....	19,661.43	3,010.37
<i>For Factory Installed Economizer, Add</i>	1,233.90	
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	1,772.95	
<i>Note: Includes CO2 wall mounted sensor.</i>		
23 74 16 13-0104 EA 10 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YSC120).....	25,905.05	3,118.59
<i>For Factory Installed Economizer, Add</i>	1,233.90	
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	1,772.95	
<i>Note: Includes CO2 wall mounted sensor.</i>		
23 74 16 13-0105 EA 12.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD150).....	29,721.65	3,378.47
<i>For Economizer, Add</i>	2,189.28	
<i>For Roof Curb, Add</i>	855.36	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
23 74 16 13-0106 EA 15 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD180).....	32,465.71	3,638.35
<i>For Economizer, Add</i>	2,189.28	
<i>For Roof Curb, Add</i>	855.36	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
23 74 16 13-0107 EA 17.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD210).....	37,444.07	3,898.25
<i>For Economizer, Add</i>	2,189.28	
<i>For Roof Curb, Add</i>	855.36	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
23 74 16 13-0108 EA 20 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD240).....	40,894.31	4,158.13
<i>For Economizer, Add</i>	2,189.28	
<i>For Roof Curb, Add</i>	855.36	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
23 74 16 13-0109 EA 25 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YSD300).....	47,210.82	5,024.40
<i>For Economizer, Add</i>	2,189.28	
<i>For Roof Curb, Add</i>	855.36	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
23 74 16 13-0110 EA 27.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD330).....	51,501.42	5,457.54
<i>For Economizer And Powered Exhaust, Add</i>	4,885.85	
<i>For Roof Curb, Add</i>	1,494.04	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0111 EA 30 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD360).....	54,303.74	5,890.68
<i>For Economizer And Powered Exhaust, Add</i>	4,885.85	
<i>For Roof Curb, Add</i>	1,494.04	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0112 EA 35 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD420).....	60,987.13	6,886.89
<i>For Economizer And Powered Exhaust, Add</i>	4,885.85	
<i>For Roof Curb, Add</i>	1,494.04	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0113 EA 40 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD480).....	66,512.57	7,883.11
<i>For Economizer And Powered Exhaust, Add</i>	4,885.85	
<i>For Roof Curb, Add</i>	1,703.58	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0114 EA 50 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YCD600).....	77,584.30	9,875.55
<i>For Economizer And Powered Exhaust, Add</i>	4,885.85	
<i>For Roof Curb, Add</i>	1,703.58	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0115	EA		55 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554).....	112,218.27	10,871.76
			<i>For Economizer And Powered Exhaust, Add</i>	13,161.99	
			<i>For Roof Curb, Add</i>	2,693.03	
			<i>For Factory Installed BACnet, Add</i>	1,346.67	
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0116	EA		60 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604).....	120,849.32	11,867.98
			<i>For Economizer And Powered Exhaust, Add</i>	14,906.07	
			<i>For Roof Curb, Add</i>	2,997.56	
			<i>For Factory Installed BACnet, Add</i>	1,346.67	
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0117	EA		70 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704).....	135,615.27	12,842.60
			<i>For Economizer And Powered Exhaust, Add</i>	15,480.81	
			<i>For Roof Curb, Add</i>	2,997.56	
			<i>For Factory Installed BACnet, Add</i>	1,346.67	
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0118	EA		75 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF754).....	146,824.47	13,340.65
			<i>For Economizer And Powered Exhaust, Add</i>	16,159.95	
			<i>For Roof Curb, Add</i>	2,997.56	
			<i>For Factory Installed BACnet, Add</i>	1,346.67	
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0119	EA		90 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKC904).....	177,039.25	16,285.98
			Note: Includes economizer, powered exhaust and roof curb.		
			<i>For Factory Installed BACnet, Add</i>	1,346.67	
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0120	EA		105 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKD114).....	193,072.83	20,617.37
			Note: Includes economizer, powered exhaust and roof curb.		
			<i>For Factory Installed BACnet, Add</i>	1,346.67	
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0121 High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) <small>(23 74 16 13-0096)</small>					
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.					
23 74 16 13-0122	EA		3 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC036).....	12,337.91	1,992.43
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			Note: Includes CO2 wall mounted sensor.		
			<i>For Factory Installed Economizer, Add</i>	1,103.56	
23 74 16 13-0123	EA		4 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC048).....	13,983.66	2,295.63
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			Note: Includes CO2 wall mounted sensor.		
			<i>For Factory Installed Economizer, Add</i>	1,103.56	
23 74 16 13-0124	EA		5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC060).....	15,300.50	2,468.88
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			Note: Includes CO2 wall mounted sensor.		
			<i>For Factory Installed Economizer, Add</i>	1,103.56	
23 74 16 13-0125	EA		6 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC072).....	16,720.24	2,663.86
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			Note: Includes CO2 wall mounted sensor.		
			<i>For Factory Installed Economizer, Add</i>	1,103.56	
23 74 16 13-0126	EA		7.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC092).....	24,017.81	2,793.79
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			Note: Includes CO2 wall mounted sensor.		
			<i>For Factory Installed Economizer, Add</i>	1,126.37	
23 74 16 13-0127	EA		8.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC102).....	25,760.66	3,010.37
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			Note: Includes CO2 wall mounted sensor.		
			<i>For Factory Installed Economizer, Add</i>	1,126.37	
23 74 16 13-0128	EA		10 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YHC120).....	28,050.13	3,118.59
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed BACnet, Add</i>	975.20	
			<i>For Demand Control Ventilation, Add</i>	1,772.95	
			Note: Includes CO2 wall mounted sensor.		
			<i>For Factory Installed Economizer, Add</i>	1,151.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0129 EA 12.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD150).....	32,347.00	3,378.47
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
<i>For Factory Installed Economizer, Add</i>	1,244.02	
23 74 16 13-0130 EA 15 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD180).....	34,690.52	3,638.35
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
<i>For Factory Installed Economizer, Add</i>	2,351.59	
23 74 16 13-0131 EA 17.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD210).....	40,291.52	3,898.25
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
<i>For Factory Installed Economizer, Add</i>	2,351.59	
23 74 16 13-0132 EA 20 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD240).....	44,364.41	4,158.13
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
<i>For Factory Installed Economizer, Add</i>	2,351.59	
23 74 16 13-0133 EA 25 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YHD300).....	59,500.41	5,024.40
<i>For Roof Curb, Add</i>	916.00	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
<i>For Factory Installed Economizer, Add</i>	2,351.59	
23 74 16 13-0134 EA 30 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHFL304).....	75,179.45	5,890.68
<i>For Factory Installed BACnet, Add</i>	1,346.67	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
<i>For Economizer And Powered Exhaust, Add</i>	7,344.86	
<i>For Roof Curb, Add</i>	1,378.56	
23 74 16 13-0135 EA 40 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHFL404).....	100,161.75	7,883.11
<i>For Factory Installed BACnet, Add</i>	1,346.67	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
<i>For Economizer And Powered Exhaust, Add</i>	8,268.12	
<i>For Roof Curb, Add</i>	2,082.86	
23 74 16 13-0136 EA 50 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHFL504).....	115,172.54	9,875.55
<i>For Factory Installed BACnet, Add</i>	1,346.67	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
<i>For Economizer And Powered Exhaust, Add</i>	12,120.14	
<i>For Roof Curb, Add</i>	2,082.86	
23 74 16 13-0137 EA 55 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHFL554).....	127,822.29	10,871.76
<i>For Economizer And Powered Exhaust, Add</i>	13,161.99	
<i>For Factory Installed BACnet, Add</i>	1,346.67	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
<i>For Roof Curb, Add</i>	2,585.37	
23 74 16 13-0138 EA 60 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHFL604).....	135,766.16	11,867.98
<i>For Economizer And Powered Exhaust, Add</i>	14,906.07	
<i>For Factory Installed BACnet, Add</i>	1,346.67	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
<i>For Roof Curb, Add</i>	2,585.37	
23 74 16 13-0139 EA 70 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHFL704).....	152,077.32	12,842.60
<i>For Economizer And Powered Exhaust, Add</i>	15,480.81	
<i>For Roof Curb, Add</i>	2,693.03	
<i>For Factory Installed BACnet, Add</i>	1,346.67	
<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
23 74 16 13-0140 Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) ^(23 74 16 13-0095)		
<i>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.</i>		
23 74 16 13-0141 EA 3 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC036E).....	9,165.78	1,793.20
<i>For Roof Curb, Add</i>	763.34	
<i>For Factory Installed Economizer, Add</i>	1,103.56	
<i>For Factory Installed BACnet, Add</i>	2,199.72	
<i>For Demand Control Ventilation, Add</i>	2,439.20	
23 74 16 13-0142 EA 4 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC048F).....	10,249.76	2,066.12
<i>For Roof Curb, Add</i>	763.34	
<i>For Factory Installed Economizer, Add</i>	1,103.56	
<i>For Factory Installed BACnet, Add</i>	2,626.50	
<i>For Demand Control Ventilation, Add</i>	2,439.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0143	EA		5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC060E)	11,195.28	2,222.05
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed Economizer, Add</i>	1,103.56	
			<i>For Factory Installed BACnet, Add</i>	2,626.50	
			<i>For Demand Control Ventilation, Add</i>	2,439.20	
23 74 16 13-0144	EA		6 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC072F)	12,519.86	2,397.39
			<i>For Roof Curb, Add</i>	763.34	
			<i>For Factory Installed Economizer, Add</i>	1,103.56	
			<i>For Factory Installed BACnet, Add</i>	2,626.50	
			<i>For Demand Control Ventilation, Add</i>	2,439.20	
23 74 16 13-0145	EA		7.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC090F)	14,587.12	2,514.39
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	1,126.37	
			<i>For Factory Installed BACnet, Add</i>	2,820.15	
			<i>For Demand Control Ventilation, Add</i>	2,494.53	
23 74 16 13-0146	EA		8.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC102F)	15,854.66	2,709.25
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	1,126.37	
			<i>For Factory Installed BACnet, Add</i>	2,820.15	
			<i>For Demand Control Ventilation, Add</i>	2,494.53	
23 74 16 13-0147	EA		10 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZC120F)	17,375.93	2,806.73
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	1,151.88	
			<i>For Factory Installed BACnet, Add</i>	2,820.15	
			<i>For Demand Control Ventilation, Add</i>	2,494.53	
23 74 16 13-0148	EA		12.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*150F)	19,435.69	3,040.63
			Note: * = Downflow or Horizontal		
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	1,244.02	
			<i>For Factory Installed BACnet, Add</i>	3,760.20	
			<i>For Demand Control Ventilation, Add</i>	3,049.74	
23 74 16 13-0149	EA		15 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*180F)	21,906.21	3,274.52
			Note: * = Downflow or Horizontal		
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	2,351.59	
			<i>For Factory Installed BACnet, Add</i>	3,760.20	
			<i>For Demand Control Ventilation, Add</i>	3,049.74	
23 74 16 13-0150	EA		17.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ*210F)	25,936.72	3,508.42
			Note: * = Downflow or Horizontal		
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	2,351.59	
			<i>For Factory Installed BACnet, Add</i>	3,760.20	
			<i>For Demand Control Ventilation, Add</i>	3,049.74	
23 74 16 13-0151	EA		20 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*240)	28,691.27	3,742.31
			Note: * = Downflow or Horizontal		
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	2,351.59	
			<i>For Factory Installed BACnet, Add</i>	5,248.60	
			<i>For Demand Control Ventilation, Add</i>	3,049.74	
23 74 16 13-0152	EA		25 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH*300)	33,165.43	4,521.96
			Note: * = Downflow or Horizontal		
			<i>For Roof Curb, Add</i>	916.00	
			<i>For Factory Installed Economizer, Add</i>	2,351.59	
			<i>For Factory Installed BACnet, Add</i>	5,248.60	
			<i>For Demand Control Ventilation, Add</i>	3,445.77	
23 74 16 13-0153	EA		55 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*55)	111,397.03	9,784.64
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
			<i>For Factory Installed Economizer, Add</i>	2,351.59	
			<i>For Roof Curb, Add</i>	2,585.37	
			<i>For Demand Control Ventilation, Add</i>	4,861.13	
			<i>For Factory Installed BACnet, Add</i>	13,787.39	
23 74 16 13-0154	EA		60 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*60)	121,533.49	10,681.18
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
			<i>For Factory Installed Economizer, Add</i>	2,351.59	
			<i>For Roof Curb, Add</i>	2,585.37	
			<i>For Demand Control Ventilation, Add</i>	4,861.13	
			<i>For Factory Installed BACnet, Add</i>	13,787.39	
23 74 16 13-0155	EA		70 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*70)	134,339.54	11,558.32
			<i>For Roof Curb, Add</i>	2,693.03	
			<i>For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add</i>	2,071.80	
			<i>For Factory Installed Economizer, Add</i>	2,351.59	
			<i>For Demand Control Ventilation, Add</i>	7,994.33	
			<i>For Factory Installed BACnet, Add</i>	13,787.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0156 Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) ⁽²³ <small>^{74 16 13-0095}</small> See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0157 High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) <small>^(23 74 16 13-0156)</small> Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.		
23 74 16 13-0158 EA 3 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC036).....	8,034.53	1,793.20
For Roof Curb, Add	763.34	
For Factory Installed Electric Heat, Add	1,017.49	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	1,772.95	
Note: Includes CO2 wall mounted sensor.		
For Factory Installed Economizer, Add	1,103.56	
23 74 16 13-0159 EA 4 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC048).....	9,143.88	2,066.12
For Roof Curb, Add	763.34	
For Factory Installed Electric Heat, Add	1,017.49	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	1,772.95	
Note: Includes CO2 wall mounted sensor.		
For Factory Installed Economizer, Add	1,103.56	
23 74 16 13-0160 EA 5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC060).....	9,993.82	2,222.05
For Roof Curb, Add	763.34	
For Factory Installed Electric Heat, Add	1,017.49	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	1,772.95	
Note: Includes CO2 wall mounted sensor.		
For Factory Installed Economizer, Add	1,103.56	
23 74 16 13-0161 EA 6 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC072).....	10,824.12	2,397.39
For Roof Curb, Add	763.34	
For Factory Installed Electric Heat, Add	1,017.49	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	1,772.95	
Note: Includes CO2 wall mounted sensor.		
For Factory Installed Economizer, Add	1,103.56	
23 74 16 13-0162 EA 7.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC092).....	14,339.29	2,514.39
For Roof Curb, Add	916.00	
For Factory Installed Electric Heat, Add	1,235.79	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	1,772.95	
Note: Includes CO2 wall mounted sensor.		
For Factory Installed Economizer, Add	1,126.37	
23 74 16 13-0163 EA 8.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC102).....	15,370.27	2,709.25
For Roof Curb, Add	916.00	
For Factory Installed Electric Heat, Add	1,235.79	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	1,772.95	
Note: Includes CO2 wall mounted sensor.		
For Factory Installed Economizer, Add	1,126.37	
23 74 16 13-0164 EA 10 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent THC120).....	16,681.90	2,806.73
For Roof Curb, Add	916.00	
For Factory Installed Electric Heat, Add	1,235.79	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	1,772.95	
Note: Includes CO2 wall mounted sensor.		
For Factory Installed Economizer, Add	1,151.88	
23 74 16 13-0165 EA 12.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD150).....	20,479.85	3,040.63
For Roof Curb, Add	916.00	
For Factory Installed Electric Heat, Add	1,427.52	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	2,187.31	
Note: Includes ventilation module and CO2 wall mounted sensor kit.		
For Factory Installed Economizer, Add	1,244.02	
23 74 16 13-0166 EA 15 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD180).....	21,734.16	3,274.52
For Roof Curb, Add	916.00	
For Factory Installed Electric Heat, Add	1,427.52	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	2,187.31	
Note: Includes ventilation module and CO2 wall mounted sensor kit.		
For Factory Installed Economizer, Add	2,351.59	
23 74 16 13-0167 EA 17.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD210).....	25,459.79	3,508.42
For Roof Curb, Add	916.00	
For Factory Installed Electric Heat, Add	1,647.72	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	2,187.31	
Note: Includes ventilation module and CO2 wall mounted sensor kit.		
For Factory Installed Economizer, Add	2,351.59	
23 74 16 13-0168 EA 20 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD240).....	27,618.73	3,742.31
For Roof Curb, Add	916.00	
For Factory Installed Electric Heat, Add	1,647.72	
For Factory Installed BACnet, Add	975.20	
For Demand Control Ventilation, Add	2,187.31	
Note: Includes ventilation module and CO2 wall mounted sensor kit.		
For Factory Installed Economizer, Add	2,351.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0169	EA		25 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager THD300) <i>For Roof Curb, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i> <i>For Factory Installed Economizer, Add</i>	30,489.76 916.00 1,647.72 975.20 2,187.31 2,351.59	4,521.96
23 74 16 13-0170			Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) ^(23 74 16 13-0095) See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0171			Standard Efficiency Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) ^(23 74 16 13-0170) <i>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.</i>		
23 74 16 13-0172	EA		3 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC036)..... <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes CO2 wall mounted sensor.</i> <i>For Factory Installed Economizer, Add</i>	8,723.18 763.34 775.70 1,017.49 975.20 1,772.95 1,103.56	1,793.20
23 74 16 13-0173	EA		4 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC048)..... <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes CO2 wall mounted sensor.</i> <i>For Factory Installed Economizer, Add</i>	9,666.41 763.34 846.68 1,017.49 975.20 1,772.95 1,103.56	2,066.12
23 74 16 13-0174	EA		5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC060)..... <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes CO2 wall mounted sensor.</i> <i>For Factory Installed Economizer, Add</i>	10,613.39 763.34 937.21 1,017.49 975.20 1,772.95 1,103.56	2,222.05
23 74 16 13-0175	EA		6 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC072)..... <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes CO2 wall mounted sensor.</i> <i>For Factory Installed Economizer, Add</i>	11,586.35 763.34 1,027.75 1,017.49 975.20 1,772.95 1,103.56	2,397.39
23 74 16 13-0176	EA		7.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC090)..... <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes CO2 wall mounted sensor.</i> <i>For Factory Installed Economizer, Add</i>	13,026.87 916.00 1,185.11 1,235.79 975.20 1,772.95 1,126.37	2,514.39
23 74 16 13-0177	EA		8.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC102)..... <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes CO2 wall mounted sensor.</i> <i>For Factory Installed Economizer, Add</i>	15,477.34 916.00 1,453.46 1,235.79 975.20 1,772.95 1,126.37	2,709.25
23 74 16 13-0178	EA		10 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WSC120)..... <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes CO2 wall mounted sensor.</i> <i>For Factory Installed Economizer, Add</i>	17,797.86 916.00 1,721.80 1,235.79 975.20 1,772.95 1,151.88	2,806.73
23 74 16 13-0179	EA		12.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD150) <i>For Roof Curb, Add</i> <i>For High Efficiency, Add</i> <i>For Factory Installed Electric Heat, Add</i> <i>For Factory Installed BACnet, Add</i> <i>For Demand Control Ventilation, Add</i> <i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i> <i>For Factory Installed Economizer, Add</i>	22,177.61 916.00 2,220.12 1,427.52 975.20 2,187.31 1,244.02	3,040.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0180 EA 15 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD180).....	24,203.47	3,274.52
<i>For Roof Curb, Add</i>	916.00	
<i>For High Efficiency, Add</i>	2,430.09	
<i>For Factory Installed Electric Heat, Add</i>	1,427.52	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
<i>For Factory Installed Economizer, Add</i>	2,351.59	
23 74 16 13-0181 EA 20 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WCD240).....	31,862.10	3,742.31
<i>For Roof Curb, Add</i>	916.00	
<i>For High Efficiency, Add</i>	3,291.86	
<i>For Factory Installed Electric Heat, Add</i>	1,647.72	
<i>For Factory Installed BACnet, Add</i>	975.20	
<i>For Demand Control Ventilation, Add</i>	2,187.31	
<i>Note: Includes ventilation module and CO2 wall mounted sensor kit.</i>		
<i>For Factory Installed Economizer, Add</i>	2,351.59	
23 74 16 13-0182 Trane Curb Adapters <small>(23 74 16 13)</small>		
<i>Note: All adapter selections assume the existing unit rests on a factory standard curb. The new unit reference is based on current Trane units, Precedent and Voyager II models only. The existing unit reference is based on Trane, Carrier, York or Lennox units only. Non-standard L-shape and/or duct shroud configurations were not considered. Trane Intellipak or Voyager III footprints are not considered. Some units have larger than normal sizes or multiple footprints possible, which were not considered. Step-sized replacements (installing new unit that is either larger or smaller capacity than existing) are not considered.</i>		
23 74 16 13-0183 EA 3 To 5 Ton, Trane Curb Adapter.....	1,589.58	
23 74 16 13-0184 EA 6 To 7-1/2 Ton, Trane Curb Adapter.....	2,077.18	
23 74 16 13-0185 EA 8-1/2 To 10 Ton, Trane Curb Adapter.....	2,174.70	
23 74 16 13-0186 EA 12-1/2 Ton, Standard Efficiency, Trane Curb Adapter.....	2,379.49	
23 74 16 13-0187 EA 12-1/2 Ton, High Efficiency, Trane Curb Adapter.....	2,428.25	
23 74 16 13-0188 EA 15 Ton, Trane Curb Adapter.....	2,662.30	
23 74 16 13-0189 EA 17-1/2 Ton, Trane Curb Adapter.....	2,681.80	
23 74 16 13-0190 EA 20 Ton, Trane Curb Adapter.....	2,993.86	
23 74 16 13-0191 EA 25 Ton, Trane Curb Adapter.....	3,413.20	
23 74 16 13-0192 Condenser Coil Guards <small>(23 74 16 13)</small>		
23 74 16 13-0193 EA Condenser Coil Guard (Trane BAYGARD058A).....	1,116.81	95.00
<i>Note: Coil Guard for TTA/TWA061, TTA/TWA073, TTA/TWA076 and CTA/TTA/TWA090 Condenser Coils.</i>		
23 74 16 13-0194 EA Condenser Coil Guard (Trane BAYGARD059A).....	1,417.97	110.84
<i>Note: Coil Guard for TTA086, TTA101 and CTA/TTA120 Condenser Coils.</i>		
23 74 16 13-0195 EA Condenser Coil Guard (Trane BAYGARD060A).....	1,515.34	126.68
<i>Note: Coil Guard for TWA101, TWA120, TTA126 and TTA150 Condenser Coils.</i>		
23 74 16 13-0196 EA Condenser Coil Guard (Trane BAYGARD061A).....	2,016.97	142.51
<i>Note: Coil Guard for TTA/TWA156, CTA/TTA/TWA180, TTA/TWA201 and TTA/TWA240 Condenser Coils.</i>		
23 74 16 13-0197 EA Condenser Coil Guard (Trane BAYGARD062A).....	2,239.26	158.34
<i>Note: Coil Guard for TTA300 and TTA251 Split-System Air Conditioners.</i>		
23 74 16 13-0198 Heat Pump, Packaged Rooftop Heat Pump Units <small>(23 74 16 13)</small>		
<i>See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.</i>		
23 74 16 13-0199 Packaged Rooftop Heat Pump Units <small>(23 74 16 13-0198)</small>		
<i>Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.</i>		
23 74 16 13-0200 EA 2 Ton Packaged Rooftop Heat Pump.....	6,928.68	1,559.30
<i>For Economizer With Outside Air Control, Add</i>	2,057.95	
<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	242.48	
<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0201 EA 2.5 Ton Packaged Rooftop Heat Pump.....	7,297.78	1,676.30
<i>For Economizer With Outside Air Control, Add</i>	2,180.68	
<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	253.14	
<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0202 EA 3 Ton Packaged Rooftop Heat Pump.....	7,720.17	1,793.20
<i>For Economizer With Outside Air Control, Add</i>	2,314.60	
<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	266.46	
<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0203 EA 3.5 Ton Packaged Rooftop Heat Pump.....	8,284.92	1,929.60
<i>For Economizer With Outside Air Control, Add</i>	2,257.47	
<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	285.60	
<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0204 EA 4 Ton Packaged Rooftop Heat Pump.....	8,849.91	2,066.12
<i>For Economizer With Outside Air Control, Add</i>	2,413.56	
<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	304.76	
<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0205 EA 5 Ton Packaged Rooftop Heat Pump.....	9,485.91	2,222.05
<i>For Economizer With Outside Air Control, Add</i>	2,590.29	
<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	260.93	
<i>For Unit Without Roof Curb, Deduct</i>	-763.30	
23 74 16 13-0206 EA 6 Ton Packaged Rooftop Heat Pump.....	10,664.87	2,397.39
<i>For Economizer With Outside Air Control, Add</i>	2,867.89	
<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	224.05	
<i>For Unit Without Roof Curb, Deduct</i>	-763.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16	13-0207	EA	7.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	13,673.43 2,914.76 309.63 -915.98	2,514.39
23 74 16	13-0208	EA	8.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	15,286.62 3,090.35 350.23 -915.98	2,709.25
23 74 16	13-0209	EA	10 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	16,428.41 3,139.77 253.72 -915.98	2,806.73
23 74 16	13-0210	EA	12.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	19,042.69 3,525.94 299.77 -915.98	3,040.63
23 74 16	13-0211	EA	15 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	21,656.98 3,912.11 345.82 -915.98	3,274.52
23 74 16	13-0212	EA	17.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	24,243.97 4,295.55 391.32 -915.98	3,508.42
23 74 16	13-0213	EA	20 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	26,830.95 4,679.00 436.82 -915.98	3,742.31
23 74 16 13-0214 Heating Only Packaged Rooftop Units <small>(23 74 16 13-0198)</small>					
Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment, 26 28 16 16-0001 for disconnects.					
23 74 16	13-0215	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,882.04 440.16 -763.30	1,559.30
23 74 16	13-0216	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	8,081.73 517.90 -763.30	1,793.20
23 74 16	13-0217	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	11,021.72 716.43 -763.30	2,066.12
23 74 16	13-0218	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	12,423.09 810.36 -763.30	2,222.05
23 74 16	13-0219	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	14,588.56 954.15 -915.98	2,514.39
23 74 16	13-0220	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	16,420.33 1,077.18 -915.98	2,709.25
23 74 16	13-0221	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	19,391.31 1,282.55 -915.98	2,806.73
23 74 16	13-0222	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	25,149.86 1,673.17 -915.98	3,274.52
23 74 16	13-0223	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	33,131.94 2,225.68 -915.98	3,508.42
23 74 16	13-0224	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	38,639.75 2,604.99 -915.98	3,742.31
23 74 16	13-0225	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	50,168.54 3,401.61 -915.98	4,132.14
23 74 16	13-0226	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	62,714.87 4,259.06 -1,378.52	5,258.30
23 74 16	13-0227	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	77,090.51 5,254.96 -1,378.52	5,301.60
23 74 16	13-0228	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	93,873.84 6,405.88 -1,378.52	6,198.26
23 74 16	13-0229	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	121,749.69 8,309.37 -2,082.84	7,991.46

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0001		Make-Up Air Units <small>(23 74 23 13)</small> Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0936 for crane lifting equipment.		
23 74 23 13-0002		Gas-Fired Electric Spark Make-Up Air Units <small>(23 74 23 13-0001)</small> Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0937 for crane lifting equipment.		
23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,924.76 2,117.55 964.61	519.76
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,248.23 2,777.05 1,251.29	589.07
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,269.38 3,934.30 1,749.02	693.02
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	14,383.91 3,942.67 1,760.74	739.22
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	19,669.84 5,485.14 2,417.15	831.63
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	29,840.15 8,432.28 3,678.04	1,039.53
23 74 23 13-0009		Electric Make-Up Air Units <small>(23 74 23 13-0001)</small> Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0937 for crane lifting equipment.		
23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	16,402.84 4,660.97 2,024.37	519.76
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	23,479.69 6,746.49 2,905.22	589.07
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	29,097.92 8,382.87 3,602.59	693.02
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	37,654.63 10,880.58 4,665.25	831.63
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	60,936.19 17,761.09 7,565.05	1,039.53
23 74 23 13-0015		Direct Gas-Fired Make-Up Air Heaters <small>(23 74 23 13)</small> Note: Direct gas fired heaters supply heated air into a building by passing fresh air directly over a gas flame in the air stream. Includes motorized intake air damper, intake hood, intake plenum, and factory pre-wired packaged control system. Excludes crane and associated personnel.		
23 74 23 13-0016	EA	2,000 CFM, 188 MBH Input, 1 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 12" blower.	20,894.82	750.77
23 74 23 13-0017	EA	3,000 CFM, 282 MBH Input, 2 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 12" blower.	25,755.93	750.77
23 74 23 13-0018	EA	4,000 CFM, 376 MBH Input, 2 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 15" blower.	27,454.28	947.13
23 74 23 13-0019	EA	5,000 CFM, 470 MBH Input, 3 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 15" blower.	29,336.00	947.13
23 74 23 13-0020	EA	7,500 CFM, 705 MBH Input, 5 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 15" blowers.	33,515.26	1,155.03
23 74 23 13-0021	EA	10,000 CFM, 939 MBH Input, 5 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 18" blowers.	36,076.92	1,328.29
23 74 23 13-0022	EA	12,000 CFM, 1,127 MBH Input, 7.5 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 18" blowers.	39,677.28	1,328.29
23 74 23 13-0023	EA	18,000 CFM, 1,690 MBH Input, 10 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	41,977.79	1,513.10
23 74 23 13-0024	EA	20,000 CFM, 1,878 MBH Input, 15 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	46,305.75	1,513.10
23 74 23 13-0025	EA	26,000 CFM, 2,442 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	46,911.66	1,513.10
23 74 23 13-0026	EA	28,000 CFM, 2,630 MBH Input, 15 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 27" blowers.	49,058.87	1,697.91
23 74 23 13-0027	EA	35,000 CFM, 3,287 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 27" blowers.	60,474.64	1,697.91
23 74 23 13-0028	EA	40,000 CFM, 3,757 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	66,500.96	1,894.25
23 74 23 13-0029	EA	45,000 CFM, 4,226 MBH Input, 25 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	74,341.46	1,894.25
23 74 23 13-0030	EA	50,000 CFM, 4,696 MBH Input, 30 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	82,181.96	1,894.25
23 74 23 13-0031	EA	55,000 CFM, 5,165 MBH Input, 40 HP Direct Gas-Fired Rooftop Heater..... Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	90,022.46	1,894.25

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74	23	13-0032	EA 65,000 CFM, 6,104 MBH Input, 50 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	105,703.46	1,894.25
23 74	23	13-0033	EA 70,000 CFM, 6,574 MBH Input, 40 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	124,901.83	2,079.06
23 74	23	13-0034	EA 90,000 CFM, 8,452 MBH Input, 50 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	159,400.03	2,079.06
23 74	23	13-0035	EA 100,000 CFM, 9,391 MBH Input, 60 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	176,649.13	2,079.06
23 74	23	13-0036	EA 110,000 CFM, 10,33 0MBH Input, 75 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	193,898.23	2,079.06
23 74	23	13-0037	EA 120,000 CFM, 11,270 MBH Input, 100 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	211,147.33	2,079.06

23 76 Evaporative Air-Cooling Equipment (23 70)

23 76 13 Direct Evaporative Air Coolers (23 76)

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)

Note: Includes motor, belt and pads.

23 76	13	00-0002	EA 3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,561.11	380.02
23 76	13	00-0003	EA 4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,843.55	443.35
23 76	13	00-0004	EA 4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,381.04	506.68
23 76	13	00-0005	EA 5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,593.29	570.03
23 76	13	00-0006	EA 6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,976.72	633.36
23 76	13	00-0007	EA 7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,206.09	696.69

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76	13	00-0009	EA 7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,894.60	345.00
23 76	13	00-0010	EA 8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	2,987.20	356.17
23 76	13	00-0011	EA 9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,555.21	494.65
23 76	13	00-0012	EA 11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	7,622.63	583.89
23 76	13	00-0013	EA 13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,243.21	854.81
23 76	13	00-0014	EA 16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,445.83	911.79
23 76	13	00-0015	EA 15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,670.72	1,025.76
23 76	13	00-0016	EA 19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,282.52	1,282.21
23 76	13	00-0017	EA 17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,310.28	1,676.10
23 76	13	00-0018	EA 22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,481.37	1,709.61
23 76	13	00-0019	EA 24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,088.95	1,899.61
23 76	13	00-0020	EA 30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	16,206.40	2,968.11
23 76	13	00-0021	EA 35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	18,176.21	3,097.13
23 76	13	00-0022	EA 40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	20,169.48	3,237.89

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)

23 81 13 Packaged Terminal Air-Conditioners (23 81)

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)

23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

23 81	13	11-0003	EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,083.07	237.51
			For >35 To 70, Deduct	-48.24	
			For >70 To 100, Deduct	-80.40	
			For >100, Deduct	-112.56	
23 81	13	11-0004	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,161.93	263.53
			For >35 To 70, Deduct	-49.06	
			For >70 To 100, Deduct	-81.77	
			For >100, Deduct	-114.48	
23 81	13	11-0005	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,288.45	280.86
			For >35 To 70, Deduct	-51.78	
			For >70 To 100, Deduct	-86.30	
			For >100, Deduct	-120.82	
23 81	13	11-0006	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,472.91	301.89
			For >35 To 70, Deduct	-56.08	
			For >70 To 100, Deduct	-93.47	
			For >100, Deduct	-130.86	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners <small>(23 81 13 11-0001)</small>			
23 81 13 11-0008	EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,186.44	233.84
	For >35 To 70, Deduct	-51.59	
	For >70 To 100, Deduct	-85.98	
	For >100, Deduct	-120.37	
23 81 13 11-0009	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,307.35	263.53
	For >35 To 70, Deduct	-53.43	
	For >70 To 100, Deduct	-89.04	
	For >100, Deduct	-124.66	
23 81 13 11-0010	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,393.83	280.86
	For >35 To 70, Deduct	-54.94	
	For >70 To 100, Deduct	-91.57	
	For >100, Deduct	-128.20	
23 81 13 11-0011	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,612.01	301.89
	For >35 To 70, Deduct	-60.25	
	For >70 To 100, Deduct	-100.42	
	For >100, Deduct	-140.59	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve <small>(23 81 13 11)</small>			
Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.			
23 81 13 11-0013	EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	100.31	
23 81 13 11-0014	EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	112.81	
23 81 13 11-0015	EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	125.31	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units <small>(23 81 13 11)</small>			
Note: Includes storage and cleaning.			
23 81 13 11-0017	EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	253.34	

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units <small>(23 81 13)</small>			
23 81 13 13-0001 Single Package Vertical Wall Cooling Unit <small>(23 81 13 13)</small>			
Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0937 for crane lifting equipment.			
23 81 13 13-0002	EA 1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,090.76	288.33
23 81 13 13-0003	EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,013.80	302.06
23 81 13 13-0004	EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,471.32	315.79
23 81 13 13-0005	EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,040.04	343.25
23 81 13 13-0006	EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,097.82	398.17
23 81 13 13-0007	EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,206.29	494.28
23 81 13 13-0008	EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	17,943.26	549.20
23 81 13 13-0009	EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	19,759.90	617.85
23 81 13 13-0010	EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	22,237.92	741.42
23 81 13 13-0011	EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	28,743.53	919.91
23 81 13 13-0012	EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	34,301.16	1,235.70
23 81 13 13-0013	EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	48,070.06	1,510.30
23 81 13 13-0014	EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	55,385.36	1,798.63
23 81 13 13-0015	EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	66,182.34	2,018.31

23 81 16 Room Air-Conditioners <small>(23 81)</small>			
Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.			

23 81 16 00-0001 Window Unit, Room Air-Conditioners <small>(23 81 16)</small>			
23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>			
23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>			
23 81 16 00-0004	EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	525.59	133.01
	For >10 To 50, Deduct	-12.98	
	For >50 To 75, Deduct	-18.17	
	For >75 To 100, Deduct	-25.96	
	For >100, Deduct	-31.15	
23 81 16 00-0005	EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	551.67	133.01
	For >10 To 50, Deduct	-14.28	
	For >50 To 75, Deduct	-20.00	
	For >75 To 100, Deduct	-28.57	
	For >100, Deduct	-34.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	616.89	133.01
			<i>For >10 To 50, Deduct</i>	-17.54	
			<i>For >50 To 75, Deduct</i>	-24.56	
			<i>For >75 To 100, Deduct</i>	-35.09	
			<i>For >100, Deduct</i>	-42.11	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	708.20	133.01
			<i>For >10 To 50, Deduct</i>	-22.11	
			<i>For >50 To 75, Deduct</i>	-30.95	
			<i>For >75 To 100, Deduct</i>	-44.22	
			<i>For >100, Deduct</i>	-53.06	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	825.60	133.01
			<i>For >10 To 50, Deduct</i>	-27.98	
			<i>For >50 To 75, Deduct</i>	-39.17	
			<i>For >75 To 100, Deduct</i>	-55.96	
			<i>For >100, Deduct</i>	-67.15	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	956.04	133.01
			<i>For >10 To 50, Deduct</i>	-34.50	
			<i>For >50 To 75, Deduct</i>	-48.30	
			<i>For >75 To 100, Deduct</i>	-69.00	
			<i>For >100, Deduct</i>	-82.80	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	903.86	133.01
			<i>For >10 To 50, Deduct</i>	-31.89	
			<i>For >50 To 75, Deduct</i>	-44.65	
			<i>For >75 To 100, Deduct</i>	-63.79	
			<i>For >100, Deduct</i>	-76.54	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	969.08	133.01
			<i>For >10 To 50, Deduct</i>	-35.15	
			<i>For >50 To 75, Deduct</i>	-49.21	
			<i>For >75 To 100, Deduct</i>	-70.31	
			<i>For >100, Deduct</i>	-84.37	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,021.26	133.01
			<i>For >10 To 50, Deduct</i>	-37.76	
			<i>For >50 To 75, Deduct</i>	-52.87	
			<i>For >75 To 100, Deduct</i>	-75.53	
			<i>For >100, Deduct</i>	-90.63	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,073.43	133.01
			<i>For >10 To 50, Deduct</i>	-40.37	
			<i>For >50 To 75, Deduct</i>	-56.52	
			<i>For >75 To 100, Deduct</i>	-80.74	
			<i>For >100, Deduct</i>	-96.89	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,177.79	133.01
			<i>For >10 To 50, Deduct</i>	-45.59	
			<i>For >50 To 75, Deduct</i>	-63.82	
			<i>For >75 To 100, Deduct</i>	-91.18	
			<i>For >100, Deduct</i>	-109.41	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,190.83	133.01
			<i>For >10 To 50, Deduct</i>	-46.24	
			<i>For >50 To 75, Deduct</i>	-64.74	
			<i>For >75 To 100, Deduct</i>	-92.48	
			<i>For >100, Deduct</i>	-110.98	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,942.41	133.01
			<i>For >10 To 50, Deduct</i>	-83.82	
			<i>For >50 To 75, Deduct</i>	-117.35	
			<i>For >75 To 100, Deduct</i>	-167.64	
			<i>For >100, Deduct</i>	-201.17	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,059.26	133.01
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,258.72	133.01
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,349.38	133.01
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,385.64	133.01
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,712.02	133.01
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,527.96	133.01
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,799.94	133.01
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,162.58	133.01
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,021.26	133.01
			<i>For >10 To 50, Deduct</i>	-37.76	
			<i>For >50 To 75, Deduct</i>	-52.87	
			<i>For >75 To 100, Deduct</i>	-75.53	
			<i>For >100, Deduct</i>	-90.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0029 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,164.74	133.01
<i>For >10 To 50, Deduct</i>	-44.94	
<i>For >50 To 75, Deduct</i>	-62.91	
<i>For >75 To 100, Deduct</i>	-89.87	
<i>For >100, Deduct</i>	-107.85	
23 81 16 00-0030 EA 18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,243.01	133.01
<i>For >10 To 50, Deduct</i>	-48.85	
<i>For >50 To 75, Deduct</i>	-68.39	
<i>For >75 To 100, Deduct</i>	-97.70	
<i>For >100, Deduct</i>	-117.24	
23 81 16 00-0031 EA 25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,529.97	133.01
<i>For >10 To 50, Deduct</i>	-63.20	
<i>For >50 To 75, Deduct</i>	-88.48	
<i>For >75 To 100, Deduct</i>	-126.40	
<i>For >100, Deduct</i>	-151.68	
23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0033 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,476.30	133.01
23 81 16 00-0034 Accessories <small>(23 81 16 00-0001)</small>		
23 81 16 00-0035 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	612.28	68.05
23 81 16 00-0036 Removal And Reinstallation Of Room Air-Conditioners <small>(23 81 16)</small>		
Note: Includes storage and cleaning.		
23 81 16 00-0037 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	158.34	
23 81 16 00-0038 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	337.34	
23 81 16 00-0039 Through-The-Wall, Room Air-Conditioners <small>(23 81 16)</small>		
Note: Base unit excludes wall sleeve.		
23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0039)</small>		
23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0040)</small>		
23 81 16 00-0042 EA 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,548.10	95.00
<i>For >10 To 50, Deduct</i>	-67.90	
<i>For >50 To 75, Deduct</i>	-95.07	
<i>For >75 To 100, Deduct</i>	-135.81	
<i>For >100, Deduct</i>	-162.97	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 16 00-0043 EA 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,675.02	95.00
<i>For >10 To 50, Deduct</i>	-74.25	
<i>For >50 To 75, Deduct</i>	-103.95	
<i>For >75 To 100, Deduct</i>	-148.50	
<i>For >100, Deduct</i>	-178.20	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 16 00-0044 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,910.74	95.00
<i>For >10 To 50, Deduct</i>	-86.04	
<i>For >50 To 75, Deduct</i>	-120.45	
<i>For >75 To 100, Deduct</i>	-172.07	
<i>For >100, Deduct</i>	-206.49	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 16 00-0045 EA 10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,675.02	95.00
<i>For >10 To 50, Deduct</i>	-74.25	
<i>For >50 To 75, Deduct</i>	-103.95	
<i>For >75 To 100, Deduct</i>	-148.50	
<i>For >100, Deduct</i>	-178.20	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 16 00-0046 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,910.74	95.00
<i>For >10 To 50, Deduct</i>	-86.04	
<i>For >50 To 75, Deduct</i>	-120.45	
<i>For >75 To 100, Deduct</i>	-172.07	
<i>For >100, Deduct</i>	-206.49	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0039)</small>		
23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0047)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0049	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,965.13	95.00
			<i>For >10 To 50, Deduct</i>	-88.76	
			<i>For >50 To 75, Deduct</i>	-124.26	
			<i>For >75 To 100, Deduct</i>	-177.51	
			<i>For >100, Deduct</i>	-213.01	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 16 00-0050	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	2,110.19	95.00
			<i>For >10 To 50, Deduct</i>	-96.01	
			<i>For >50 To 75, Deduct</i>	-134.41	
			<i>For >75 To 100, Deduct</i>	-192.02	
			<i>For >100, Deduct</i>	-230.42	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 23			Computer-Room Air-Conditioners ^(23 81)		
			Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 12			Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units ^(23 81)		
23 81 23 12-0001			Floor Mounted Air Cooled Direct Expansion Type ^(23 81 23 12)		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	40,994.18	2,703.68
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,616.77	
23 81 23 12-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	45,246.32	2,957.16
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,098.26	
23 81 23 12-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	62,670.76	3,379.61
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,205.51	
23 81 23 12-0005	EA		8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	68,604.35	3,590.83
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,907.94	
23 81 23 12-0006	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	74,537.95	3,802.06
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	8,610.37	
23 81 23 12-0007	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	83,493.69	4,562.47
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	9,576.17	
23 81 23 12-0008	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	94,346.11	5,069.41
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	10,850.76	
23 81 23 12-0009	EA		22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	98,711.86	5,236.61
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	11,360.44	
23 81 23 12-0010	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	107,486.98	5,407.37
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	12,420.87	
23 81 23 12-0011	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	116,247.65	6,083.29
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	13,399.96	
23 81 23 12-0012			Floor Mounted Chilled Water Type ^(23 81 23 12)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	24,505.61	1,852.57
			<i>For Liebert Unit, Add</i>	2,754.44	
23 81 23 12-0014	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,340.78	2,052.08
			<i>For Liebert Unit, Add</i>	2,950.59	
23 81 23 12-0015	EA		12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	32,641.84	3,125.63
			<i>For Liebert Unit, Add</i>	3,559.29	
23 81 23 12-0016	EA		16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,116.39	3,166.80
			<i>For Liebert Unit, Add</i>	3,736.81	
23 81 23 12-0017	EA		20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,429.71	3,293.47
			<i>For Liebert Unit, Add</i>	3,877.69	
23 81 23 12-0018	EA		22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,285.90	3,610.15
			<i>For Liebert Unit, Add</i>	3,934.04	
23 81 23 12-0019	EA		31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	38,500.86	3,926.83
			<i>For Liebert Unit, Add</i>	4,159.46	
23 81 23 12-0020			Floor Mounted Water Source ^(23 81 23 12)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA		3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,025.87	1,689.80
			<i>For Liebert Unit, Add</i>	2,062.56	
23 81 23 12-0022	EA		5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,929.74	1,774.30
			<i>For Liebert Unit, Add</i>	2,284.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0023 EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	27,084.41 3,038.32	1,858.78
23 81 23 12-0024 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	29,191.95 3,268.37	2,027.76
23 81 23 12-0025 EA 9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	30,715.02 3,442.90	2,112.51
23 81 23 12-0026 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	32,238.11 3,617.42	2,196.74
23 81 23 12-0027 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	33,512.97 3,744.35	2,365.73
23 81 23 12-0028 EA 16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	34,994.03 3,903.01	2,534.71
23 81 23 12-0029 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	36,050.62 4,005.25	2,703.68
23 81 23 12-0030 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	41,183.92 4,548.22	3,210.63
23 81 23 12-0031 Floor Mounted Glycol System Type <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0032 EA 3 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	49,714.10 17,770.45 8,700.00	1,852.57
23 81 23 12-0033 EA 5 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	53,495.46 19,133.83 8,700.00	2,052.08
23 81 23 12-0034 EA 6 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	69,986.49 24,955.09 8,700.00	2,299.09
23 81 23 12-0035 EA 8 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	80,974.19 28,850.19 8,700.00	2,546.10
23 81 23 12-0036 EA 9 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	85,550.68 30,476.66 8,700.00	2,669.61
23 81 23 12-0037 EA 10 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	91,364.32 32,536.14 8,700.00	2,793.12
23 81 23 12-0038 EA 12 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	97,564.22 34,730.80 8,700.00	2,917.26
23 81 23 12-0039 EA 15 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	104,763.10 37,275.11 8,700.00	3,027.46
23 81 23 12-0040 EA 16 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	111,570.41 39,686.17 21,500.00 7,630.00	3,166.80
23 81 23 12-0041 EA 20 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	122,395.21 43,499.55 21,500.00 7,630.00	3,293.47
23 81 23 12-0042 EA 22 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	126,865.53 45,124.97 21,500.00 7,630.00	3,610.15
23 81 23 12-0043 EA 30 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i> Note: Installation is externally mounted.	154,694.80 54,926.96 21,500.00 7,630.00	3,926.83
23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit <small>(23 81 23 12)</small> Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0045 EA Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	2,533.43	
23 81 23 12-0046 EA Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,111.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units (23 81 23)

23 81 23 13-0001	EA	Ceiling Mounted Packaged Computer Room Air Conditioner (23 81 23 13) Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	16,252.84 1,881.09	803.10
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	17,973.37 2,065.92	964.48
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	20,532.15 2,340.32	1,207.06
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	25,224.21 2,889.13	1,408.21
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	34,188.70 3,986.74	1,530.58

23 81 26 Split-System Air-Conditioners (23 81)

23 81 26 13 Small-Capacity Split-System Air-Conditioners (23 81 26)

23 81 26 13-0001	EA	Split System A/C Unit (23 81 26 13) See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		
23 81 26 13-0002	EA	Ductless Split System Air Conditioners (23 81 26 13-0001) Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 13-0003	EA	Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,287.82	418.02
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,480.67	456.02
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,084.04	506.68
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,427.06	557.35
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,198.99	608.03
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,029.28	633.36
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,609.07	675.16
23 81 26 13-0011	EA	Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	992.52	202.68
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,050.22	215.34
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,108.82	228.01
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,249.11	240.68
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,335.54	253.34
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,675.95	304.01
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,959.23	329.34
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,625.02	354.69
23 81 26 13-0020	EA	Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,552.10	608.03
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,766.77	725.83
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,216.84	760.03
23 81 26 13-0024	EA	Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,447.62	506.68
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,011.49	557.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0027 EA 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,544.11	658.69
23 81 26 13-0028 EA 32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,407.68	725.83
23 81 26 13-0029 EA 39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,037.29	760.03
23 81 26 13-0030 Ductless Split System Accessories <small>(23 81 26 13-0002)</small>		
23 81 26 13-0031 LF 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.53	1.82
23 81 26 13-0032 LF 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	18.69	2.00
23 81 26 13-0033 LF 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.27	2.20
23 81 26 13-0034 EA 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.37	3.40
23 81 26 13-0035 EA 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.85	3.74
23 81 26 13-0036 EA 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.68	4.12
23 81 26 13-0037 EA 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.52	6.81
23 81 26 13-0038 EA 4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.14	7.48
23 81 26 13-0039 EA 6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	111.81	8.24
23 81 26 13-0040 EA 3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.67	7.26
23 81 26 13-0041 EA 4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	94.61	7.99
23 81 26 13-0042 EA 6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	146.33	8.79
23 81 26 13-0043 EA 3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.52	6.81
23 81 26 13-0044 EA 4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.14	7.48
23 81 26 13-0045 EA 6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	111.81	8.24
23 81 26 13-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	78.96	11.35
23 81 26 13-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.27	12.48
23 81 26 13-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	137.84	13.73
23 81 26 13-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.42	2.27
23 81 26 13-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.78	6.81
23 81 26 13-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	79.01	7.48
23 81 26 13-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.08	6.81
23 81 26 13-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	60.23	7.48
23 81 26 13-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.85	8.24
23 81 26 13-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	212.95	9.08
23 81 26 13-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	241.53	9.99
23 81 26 13-0057 EA 14" Condensing Unit Mounting Blocks With End Caps	135.98	34.03
23 81 26 13-0058 EA 17" Condensing Unit Mounting Blocks With End Caps	149.90	36.30
23 81 26 13-0059 EA 36" Condensing Unit Mounting Blocks With End Caps	203.74	38.57
23 81 26 13-0060 EA End Cap, Set of 4	23.45	
23 81 26 13-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	288.55	68.07
23 81 26 13-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	306.31	72.61
23 81 26 13-0063 LF 5/8" ID Condensate Drain Line	3.16	0.18
23 81 26 13-0064 LF 3/4" ID Condensate Drain Line	3.27	0.18
23 81 26 13-0065 Cased A/C Evaporator Coils <small>(23 81 26 13-0001)</small>		
23 81 26 13-0066 Vertical Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small>		
23 81 26 13-0067 EA 1-1/2 Ton Vertical Cased A/C Evaporator Coil	830.65	123.73
23 81 26 13-0068 EA 2 Ton Vertical Cased A/C Evaporator Coil	865.53	133.00
23 81 26 13-0069 EA 2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,033.39	142.29
23 81 26 13-0070 EA 3 Ton Vertical Cased A/C Evaporator Coil	1,180.27	151.56
23 81 26 13-0071 EA 3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,369.94	157.74
23 81 26 13-0072 EA 4 Ton Vertical Cased A/C Evaporator Coil	1,531.61	163.94
23 81 26 13-0073 EA 4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,645.01	176.30
23 81 26 13-0074 EA 5 Ton Vertical Cased A/C Evaporator Coil	1,654.25	185.59
23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small>		
23 81 26 13-0076 EA 2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,023.47	126.82
23 81 26 13-0077 EA 2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,179.94	133.93
23 81 26 13-0078 EA 3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,354.11	142.29
23 81 26 13-0079 EA 3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,402.93	147.42
23 81 26 13-0080 EA 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,468.74	154.65
23 81 26 13-0081 EA 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,484.98	162.69
23 81 26 13-0082 EA 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,500.90	170.74
23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small>		
23 81 26 13-0084 EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	890.50	126.82
23 81 26 13-0085 EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,071.83	142.29
23 81 26 13-0086 EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,240.11	154.65
23 81 26 13-0087 EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,498.57	170.74
23 81 26 16 Large-Capacity Split-System Air-Conditioners <small>(23 81 26)</small>		
23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) <small>(23 81 26 16)</small>		
23 81 26 16-0002 Outdoor Units <small>(23 81 26 16-0001)</small>		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0003	EA		6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	17,243.70	665.03
23 81 26 16-0004	EA		8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	18,705.28	791.70
23 81 26 16-0005	EA		10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	21,066.67	950.04
23 81 26 16-0006	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	25,911.33	981.70
23 81 26 16-0007	EA		12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	34,432.33	1,013.38
23 81 26 16-0008	EA		14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	35,703.90	1,045.05
23 81 26 16-0009	EA		16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	36,975.49	1,076.71
23 81 26 16-0010	EA		18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	39,146.86	1,140.05
23 81 26 16-0011	EA		20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	41,318.26	1,203.38
23 81 26 16-0012	EA		22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	46,226.24	1,266.72
23 81 26 16-0013	EA		24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	51,134.24	1,330.06
23 81 26 16-0014			Indoor Units <small>(23 81 26 16-0001)</small>		
23 81 26 16-0015	EA		6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,805.81	205.84
23 81 26 16-0016	EA		8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,899.43	221.68
23 81 26 16-0017	EA		12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,982.74	237.51
23 81 26 16-0018	EA		15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	2,081.52	253.34
23 81 26 16-0019	EA		18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	2,259.15	300.84
23 81 26 16-0020	EA		24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	2,527.29	364.19
23 81 26 16-0021	EA		30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	2,738.31	395.85
23 81 26 16-0022	EA		6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,605.99	226.43
23 81 26 16-0023	EA		8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,697.62	243.84
23 81 26 16-0024	EA		12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,846.06	261.26
23 81 26 16-0025	EA		15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	3,087.42	278.68
23 81 26 16-0026	EA		18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	3,264.22	330.93
23 81 26 16-0027	EA		24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,589.44	400.60
23 81 26 16-0028	EA		27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	3,774.02	418.02
23 81 26 16-0029	EA		30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	3,979.25	435.43
23 81 26 16-0030	EA		36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	4,412.28	478.98
23 81 26 16-0031	EA		48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	4,890.17	526.87
23 81 26 16-0032	EA		54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	5,295.01	579.57
23 81 26 16-0033	EA		72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	6,696.63	637.52
23 81 26 16-0034	EA		96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	7,598.65	701.26
23 81 26 16-0035	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,962.75	261.26
23 81 26 16-0036	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	3,124.60	278.68
23 81 26 16-0037	EA		18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	3,304.50	330.93
23 81 26 16-0038	EA		24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,709.23	400.60
23 81 26 16-0039	EA		30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	3,996.80	435.43
23 81 26 16-0040	EA		36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	4,882.15	478.99
23 81 26 16-0041	EA		6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,662.79	226.43
23 81 26 16-0042	EA		8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,800.89	243.84
23 81 26 16-0043	EA		12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	3,011.29	261.26
23 81 26 16-0044	EA		15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	3,170.04	278.68
23 81 26 16-0045	EA		8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,470.43	243.84
23 81 26 16-0046	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,598.21	261.26
23 81 26 16-0047	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,731.15	278.68
23 81 26 16-0048			Controllers For Outdoor Units <small>(23 81 26 16-0001)</small>		
23 81 26 16-0049	EA		8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	9,312.73	190.01
23 81 26 16-0050	EA		10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	10,770.18	221.68
23 81 26 16-0051	EA		13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	11,902.33	253.34
23 81 26 16-0052	EA		16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	14,123.99	285.01
23 81 26 16-0053	EA		4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	5,194.73	126.68
23 81 26 16-0054	EA		8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	8,001.22	190.01
23 81 26 16-0055	EA		16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	12,229.02	285.01
23 81 26 16-0056			Energy Recovery Units <small>(23 81 26 16-0001)</small>		
23 81 26 16-0057	EA		36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU).....	6,596.77	190.01
23 81 26 16-0058	EA		39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU).....	12,462.41	190.01
23 81 26 16-0059	EA		112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	12,644.50	221.68
23 81 26 16-0060	EA		Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	2,640.22	158.34
23 81 26 16-0061	EA		Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	3,360.26	164.68
23 81 26 16-0062	EA		Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	4,002.88	171.01
23 81 26 16-0063	EA		Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	7,283.50	190.01



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0064		Piping Specialties <small>(23 81 26 16-0001)</small>		
	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	919.09	
	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2).....	247.64	46.99
	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2).....	247.64	46.99
	EA	Branch Joint (Mitsubishi CMY-Y202S-G2).....	274.48	49.47
	EA	Branch Joint (Mitsubishi CMY-Y302S-G2).....	343.64	55.64
	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	449.89	80.37
	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	765.55	160.74
	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	137.67	19.78
	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	155.60	27.20
23 81 26 16-0074		Split System Air Conditioners (Daikin VRV) <small>(23 81 26 16)</small>		
23 81 26 16-0075		Heat Pump Outdoor Units <small>(23 81 26 16-0074)</small>		
	EA	6 Ton Heat Pump Outdoor Unit (Daikin).....	25,563.92	665.03
	EA	8 Ton Heat Pump Outdoor Unit (Daikin).....	28,580.77	791.70
	EA	10 Ton Heat Pump Outdoor Unit (Daikin).....	31,873.54	950.04
	EA	12 Ton Heat Pump Outdoor Unit (Daikin).....	39,802.25	981.70
	EA	14 Ton Heat Pump Outdoor Unit (Daikin).....	53,321.31	1,045.05
	EA	16 Ton Heat Pump Outdoor Unit (Daikin).....	56,360.74	1,076.71
	EA	18 Ton Heat Pump Outdoor Unit (Daikin).....	59,250.91	1,140.05
	EA	20 Ton Heat Pump Outdoor Unit (Daikin).....	62,353.68	1,203.38
	EA	22 Ton Heat Pump Outdoor Unit (Daikin).....	80,762.02	1,266.72
	EA	24 Ton Heat Pump Outdoor Unit (Daikin).....	83,864.79	1,330.06
	EA	26 Ton Heat Pump Outdoor Unit (Daikin).....	86,967.55	1,393.39
	EA	28 Ton Heat Pump Outdoor Unit (Daikin).....	89,857.73	1,456.73
	EA	30 Ton Heat Pump Outdoor Unit (Daikin).....	92,960.50	1,520.06
23 81 26 16-0089		Heat Recovery Heat Pump Outdoor Units <small>(23 81 26 16-0074)</small>		
	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	32,739.34	864.54
	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	35,713.88	1,029.21
	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	39,246.04	1,235.06
	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	49,319.52	1,276.22
	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	66,703.00	1,358.55
	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	71,887.20	1,399.72
	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	74,602.80	1,482.06
	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	77,318.42	1,564.40
	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	101,823.23	1,646.73
	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	104,538.85	1,729.07
	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	109,805.37	1,811.41
	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin).....	112,520.98	1,893.74
23 81 26 16-0102		Indoor Units <small>(23 81 26 16-0074)</small>		
	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	2,930.11	221.68
	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	3,061.10	228.01
	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	3,463.14	237.51
	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin).....	3,882.61	300.84
	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin).....	4,261.96	364.19
	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,290.01	243.84
	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,434.31	250.81
	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,657.76	139.34
	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	4,947.51	330.93
	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	5,862.96	400.60
	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	6,704.72	435.43
	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	7,164.83	478.98
	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin).....	7,411.03	526.87
	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	4,799.40	243.84
	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	4,913.61	250.81
	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	5,225.30	261.26
	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin).....	5,575.21	330.93
23 81 26 16-0120		Branch Selector Boxes <small>(23 81 26 16-0074)</small>		
	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin).....	14,600.16	285.01
	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin).....	21,592.64	380.02
	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin).....	2,880.48	126.68
	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin).....	3,883.54	190.01
	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin).....	4,821.58	285.01
23 81 26 16-0126		Controllers <small>(23 81 26 16-0074)</small>		
	EA	Up To 16 Units, Navigation Controller (Daikin).....	905.11	25.33
	EA	Individual Zone Controller (Daikin).....	656.44	25.33
	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin).....	1,264.09	25.33
	EA	Up To 64 Units, Multizone Controller (Daikin).....	1,767.45	25.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0131	EA		I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	16,476.65	304.01
23 81 26 16-0132	EA		I-Touch Manager D3net Plus Adapter (Daikin)	3,060.97	25.33
23 81 26 16-0133	EA		24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin)	674.09	44.70
23 81 26 16-0134			Energy Recovery Units <small>(23 81 26 16-0074)</small>		
23 81 26 16-0135	EA		300 CFM Energy Recovery Unit (Daikin)	5,047.54	158.34
23 81 26 16-0136	EA		470 CFM Energy Recovery Unit (Daikin)	6,548.24	164.68
23 81 26 16-0137	EA		600 CFM Energy Recovery Unit (Daikin)	7,836.39	171.01
23 81 26 16-0138	EA		1,200 CFM Energy Recovery Unit (Daikin)	14,622.73	190.01
23 81 43			Air-Source Unitary Heat Pumps <small>(23 81)</small>		
23 81 43 00-0001			Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>		
<p>Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0937 for crane lifting equipment.</p>					
23 81 43 00-0002	EA		1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,267.53	205.95
			<i>For Unit Economizer, Add</i>	301.53	
			<i>For >35 To 70, Deduct</i>	-56.08	
			<i>For >70 To 100, Deduct</i>	-93.47	
			<i>For >100, Deduct</i>	-130.86	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	267.78	
23 81 43 00-0003	EA		1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,502.70	219.68
			<i>For Unit Economizer, Add</i>	333.35	
			<i>For >35 To 70, Deduct</i>	-62.31	
			<i>For >70 To 100, Deduct</i>	-103.85	
			<i>For >100, Deduct</i>	-145.39	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	293.34	
23 81 43 00-0004	EA		1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,247.44	219.68
			<i>For Unit Economizer, Add</i>	577.62	
			<i>For >35 To 70, Deduct</i>	-114.65	
			<i>For >70 To 100, Deduct</i>	-191.09	
			<i>For >100, Deduct</i>	-267.53	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	450.37	
23 81 43 00-0005	EA		2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,648.77	219.68
			<i>For Unit Economizer, Add</i>	632.70	
			<i>For >35 To 70, Deduct</i>	-125.87	
			<i>For >70 To 100, Deduct</i>	-209.78	
			<i>For >100, Deduct</i>	-293.70	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	239.14	
23 81 43 00-0006	EA		2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,257.81	233.41
			<i>For Unit Economizer, Add</i>	716.87	
			<i>For >35 To 70, Deduct</i>	-143.32	
			<i>For >70 To 100, Deduct</i>	-238.86	
			<i>For >100, Deduct</i>	-334.41	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	263.46	
23 81 43 00-0007	EA		3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,507.06	247.14
			<i>For Unit Economizer, Add</i>	751.77	
			<i>For >35 To 70, Deduct</i>	-150.80	
			<i>For >70 To 100, Deduct</i>	-251.33	
			<i>For >100, Deduct</i>	-351.86	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	773.58	
23 81 43 00-0008	EA		3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,199.18	247.14
			<i>For Unit Economizer, Add</i>	847.56	
			<i>For >35 To 70, Deduct</i>	-170.74	
			<i>For >70 To 100, Deduct</i>	-284.56	
			<i>For >100, Deduct</i>	-398.38	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	866.85	
23 81 43 00-0009	EA		4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,836.03	260.87
			<i>For Unit Economizer, Add</i>	936.17	
			<i>For >35 To 70, Deduct</i>	-189.43	
			<i>For >70 To 100, Deduct</i>	-315.71	
			<i>For >100, Deduct</i>	-442.00	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	951.29	
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,873.86	302.06
			<i>For Unit Economizer, Add</i>	1,078.18	
			<i>For >35 To 70, Deduct</i>	-218.09	
			<i>For >70 To 100, Deduct</i>	-363.49	
			<i>For >100, Deduct</i>	-508.88	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,096.10	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,394.81	356.98
			<i>For Unit Economizer, Add</i>	1,986.17	
			<i>For >35 To 70, Deduct</i>	-410.01	
			<i>For >70 To 100, Deduct</i>	-683.36	
			<i>For >100, Deduct</i>	-956.70	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,958.65	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	18,533.46	453.09
			<i>For Unit Economizer, Add</i>	2,557.89	
			<i>For >35 To 70, Deduct</i>	-528.41	
			<i>For >70 To 100, Deduct</i>	-880.68	
			<i>For >100, Deduct</i>	-1,232.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	406.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0013 EA 12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	22,617.55 3,125.82 -648.05 -1,080.08 -1,512.11 470.02	508.01
23 81 43 00-0014 EA 15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	27,892.25 3,859.33 -802.58 -1,337.63 -1,872.69 552.42	576.66
23 81 43 00-0015 EA 20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	37,127.47 5,148.42 -1,076.75 -1,794.59 -2,512.42 667.84	617.85
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	44,714.76 6,206.24 -1,301.08 -2,168.46 -3,035.85 770.08	672.77
23 81 43 00-0017 Single Package Vertical Wall Heat Pumps <small>(23 81 43)</small> Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0937 for crane lifting equipment.		
23 81 43 00-0018 EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,480.91	274.60
23 81 43 00-0019 EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,214.81	302.06
23 81 43 00-0020 EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,435.37	315.79
23 81 43 00-0021 EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,228.12	343.25
23 81 43 00-0022 EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,782.24	398.17
23 81 43 00-0023 EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,317.91	453.09
23 81 43 00-0024 EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,038.03	508.01
23 81 43 00-0025 EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,168.28	562.93
23 81 43 00-0026 EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,471.17	672.77
23 81 43 00-0027 Heat Pump, Room Air-Conditioners <small>(23 81 43)</small> Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0028)</small>		
23 81 43 00-0030 EA 10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,530.70	133.01
<i>For >10 To 50, Deduct</i>	-113.23	
<i>For >50 To 75, Deduct</i>	-158.53	
<i>For >75 To 100, Deduct</i>	-226.47	
<i>For >100, Deduct</i>	-271.76	
23 81 43 00-0031 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,857.07	133.01
<i>For >10 To 50, Deduct</i>	-129.55	
<i>For >50 To 75, Deduct</i>	-181.37	
<i>For >75 To 100, Deduct</i>	-259.11	
<i>For >100, Deduct</i>	-310.93	
23 81 43 00-0032 EA 17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	3,346.64	133.01
<i>For >10 To 50, Deduct</i>	-154.03	
<i>For >50 To 75, Deduct</i>	-215.64	
<i>For >75 To 100, Deduct</i>	-308.06	
<i>For >100, Deduct</i>	-369.68	
23 81 43 00-0033 EA 24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	3,890.60	133.01
<i>For >10 To 50, Deduct</i>	-181.23	
<i>For >50 To 75, Deduct</i>	-253.72	
<i>For >75 To 100, Deduct</i>	-362.46	
<i>For >100, Deduct</i>	-434.95	
23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0027)</small> Note: Base unit excludes wall sleeve.		
23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0034)</small>		
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	2,545.36	95.00
<i>For >10 To 50, Deduct</i>	-117.77	
<i>For >50 To 75, Deduct</i>	-164.87	
<i>For >75 To 100, Deduct</i>	-235.54	
<i>For >100, Deduct</i>	-282.64	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0037	EA		11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	2,545.36	95.00
			<i>For >10 To 50, Deduct</i>	-117.77	
			<i>For >50 To 75, Deduct</i>	-164.87	
			<i>For >75 To 100, Deduct</i>	-235.54	
			<i>For >100, Deduct</i>	-282.64	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.82	
23 81 46 Water-Source Unitary Heat Pumps (23 81)					
23 81 46 00-0001			Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)		
			Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002	EA		7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,481.62	247.45
23 81 46 00-0003	EA		9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,591.34	247.45
23 81 46 00-0004	EA		12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,150.41	272.19
23 81 46 00-0005	EA		19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,373.00	296.94
23 81 46 00-0006	EA		24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,690.69	321.68
23 81 46 00-0007	EA		30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,520.40	346.42
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,643.02	371.17
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,155.76	395.92
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,570.96	420.66
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,681.42	445.40
23 81 49 Split System Heat Pumps (23 81)					
23 81 49 00-0001			Air Cooled, Outdoor Section (23 81 49)		
			Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0002	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,322.65	407.78
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	784.28	
			<i>For Winterstart Control, Add</i>	209.98	
			<i>For 15 SEER, Add</i>	666.86	
			<i>For 16 SEER, Add</i>	1,074.39	
			<i>For 18 SEER, Add</i>	1,630.11	
23 81 49 00-0003	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,463.50	453.09
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	813.72	
			<i>For Winterstart Control, Add</i>	219.73	
			<i>For 15 SEER, Add</i>	679.86	
			<i>For 16 SEER, Add</i>	1,095.33	
			<i>For 18 SEER, Add</i>	1,661.88	
23 81 49 00-0004	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,882.08	525.86
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	893.66	
			<i>For Winterstart Control, Add</i>	243.06	
			<i>For 15 SEER, Add</i>	735.43	
			<i>For 16 SEER, Add</i>	1,184.86	
			<i>For 18 SEER, Add</i>	1,797.73	
23 81 49 00-0005	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,334.75	604.12
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	759.17	
			<i>For Winterstart Control, Add</i>	268.31	
			<i>For 15 SEER, Add</i>	795.49	
			<i>For 16 SEER, Add</i>	1,281.62	
			<i>For 18 SEER, Add</i>	1,944.52	
23 81 49 00-0006	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,504.33	627.46
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	784.09	
			<i>For Winterstart Control, Add</i>	277.20	
			<i>For 15 SEER, Add</i>	819.69	
			<i>For 16 SEER, Add</i>	1,320.61	
			<i>For 18 SEER, Add</i>	2,003.68	
23 81 49 00-0007	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,111.41	720.82
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	867.24	
			<i>For Winterstart Control, Add</i>	306.24	
			<i>For 15 SEER, Add</i>	914.70	
			<i>For 16 SEER, Add</i>	1,473.68	
			<i>For 18 SEER, Add</i>	2,235.93	
23 81 49 00-0008	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,953.85	792.91
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	574.24	
			<i>For Winterstart Control, Add</i>	171.48	
			<i>For 15 SEER, Add</i>	1,047.80	
			<i>For 16 SEER, Add</i>	1,688.13	
			<i>For 18 SEER, Add</i>	2,561.30	
23 81 49 00-0009	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	7,695.65	886.70
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	638.13	
			<i>For Winterstart Control, Add</i>	190.96	
23 81 49 00-0010	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	10,623.68	1,064.05
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	461.23	
			<i>For Winterstart Control, Add</i>	243.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0011 EA 15 Ton, 10.9 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	13,951.61 522.89 298.74	1,241.39
23 81 49 00-0012 EA 20 Ton, 10.3 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	24,949.01 555.53 420.46	1,330.06
23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49) Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014 EA 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,336.27 120.01	135.54
23 81 49 00-0015 EA 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,476.86 130.80	168.86
23 81 49 00-0016 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	1,547.68 134.34	203.94
23 81 49 00-0017 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	2,078.63 183.96	238.77
23 81 49 00-0018 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	2,139.65 187.01	269.18
23 81 49 00-0019 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	2,375.41 206.65	309.08
23 81 49 00-0020 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	5,037.71 453.10	506.68
23 81 49 00-0021 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat..... For Additional 5 KW Electric Heat, Add	7,391.27 682.13	570.03
23 81 49 00-0022 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat..... For Additional 5 KW Electric Heat, Add	10,335.35 970.20	633.36
23 81 49 00-0023 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat..... For Additional 5 KW Electric Heat, Add	11,755.04 1,099.49	760.03
23 81 49 00-0024 Ductless Split System Heat Pumps (23 81 49) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)		
23 81 49 00-0026 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,467.37	418.02
23 81 49 00-0027 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,726.65	456.02
23 81 49 00-0028 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,313.86	506.68
23 81 49 00-0029 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,808.60	557.35
23 81 49 00-0030 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,342.03	608.03
23 81 49 00-0031 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,165.74	633.36
23 81 49 00-0032 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,757.20	675.16
23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,032.02	202.68
23 81 49 00-0035 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,090.62	215.34
23 81 49 00-0036 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,150.12	228.01
23 81 49 00-0037 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,303.87	240.68
23 81 49 00-0038 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,389.40	253.34
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes outdoor unit and refrigerant charge.	3,008.11	304.01
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes outdoor unit and refrigerant charge.	3,556.22	329.34
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes outdoor unit and refrigerant charge.	5,708.58	354.69
23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0043 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,695.74	608.03
23 81 49 00-0044 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,914.90	725.83

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0045 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,306.61	760.03
23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0047 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,806.72	506.68
23 81 49 00-0048 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,314.02	557.35
23 81 49 00-0049 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,687.75	658.69
23 81 49 00-0050 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,555.81	725.83
23 81 49 00-0051 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,127.07	760.03
23 82 Convection Heating and Cooling Units (23 80)		
23 82 16 Air Coils (23 82)		
23 82 16 11 Hydronic Air Coils (23 82 16)		
23 82 16 11-0001 Chilled Water Cooling Coils (23 82 16 11) Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0003 EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,951.78	61.86
23 82 16 11-0004 EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,246.04	84.14
23 82 16 11-0005 EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,363.00	132.39
23 82 16 11-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,260.06	189.29
23 82 16 11-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,572.25	232.60
23 82 16 11-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,229.09	282.09
23 82 16 11-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,665.92	326.63
23 82 16 11-0010 EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,202.69	577.05
23 82 16 11-0011 EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,485.42	219.36
23 82 16 11-0012 EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,743.65	373.52
23 82 16 11-0013 EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,422.18	463.96
23 82 16 11-0014 EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,032.52	560.34
23 82 16 11-0015 EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,673.25	652.52
23 82 16 11-0016 SF >20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	386.88	32.89
23 82 16 11-0017 4 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0018 EA 12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,419.88	128.67
23 82 16 11-0019 EA 12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,900.80	185.59
23 82 16 11-0020 EA 24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,303.22	309.31
23 82 16 11-0021 EA 24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,465.92	459.02
23 82 16 11-0022 EA 30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,466.98	562.94
23 82 16 11-0023 EA 30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,870.06	687.90
23 82 16 11-0024 EA 30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,865.70	825.23
23 82 16 11-0025 EA 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,606.16	960.59
23 82 16 11-0026 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,089.96	414.60
23 82 16 11-0027 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,742.73	623.56
23 82 16 11-0028 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,572.59	773.27
23 82 16 11-0029 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,548.72	931.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0030 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,456.83	1,089.13
23 82 16 11-0031 6 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0032 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,424.63	163.31
23 82 16 11-0033 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,016.66	242.50
23 82 16 11-0034 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,437.35	413.23
23 82 16 11-0035 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,363.24	618.62
23 82 16 11-0036 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,690.54	773.27
23 82 16 11-0037 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,984.35	951.43
23 82 16 11-0038 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,771.84	1,124.65
23 82 16 11-0039 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,079.75	1,310.60
23 82 16 11-0040 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,607.68	566.53
23 82 16 11-0041 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,693.92	849.73
23 82 16 11-0042 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,874.10	1,064.02
23 82 16 11-0043 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,015.18	1,278.19
23 82 16 11-0044 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,163.11	1,487.03
23 82 16 11-0045 8 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0046 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,284.59	196.72
23 82 16 11-0047 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,216.06	301.89
23 82 16 11-0048 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,742.39	538.19
23 82 16 11-0049 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,226.06	825.23
23 82 16 11-0050 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,260.07	1,031.85
23 82 16 11-0051 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,221.99	1,237.23
23 82 16 11-0052 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,370.78	1,374.57
23 82 16 11-0053 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,829.54	1,594.42
23 82 16 11-0054 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,664.90	690.38
23 82 16 11-0055 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,069.65	1,037.91
23 82 16 11-0056 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,436.85	1,292.91
23 82 16 11-0057 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,734.37	1,546.55
23 82 16 11-0058 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,101.62	1,819.47
23 82 16 11-0059 Hot Water Heating Coils (23 82 16 11) Note: Flanged construction.		
23 82 16 11-0060 1 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0061 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,529.16	167.03
For 10 Fins Per Inch, Add	23.90	
For 12 Fins Per Inch, Add	59.74	
For 230 PSIG Heavy Duty, Add	339.27	
23 82 16 11-0062 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,273.09	214.04
For 10 Fins Per Inch, Add	36.93	
For 12 Fins Per Inch, Add	92.32	
For 230 PSIG Heavy Duty, Add	497.28	
23 82 16 11-0063 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,761.47	294.46
For 10 Fins Per Inch, Add	43.45	
For 12 Fins Per Inch, Add	108.62	
For 230 PSIG Heavy Duty, Add	611.21	
23 82 16 11-0064 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,268.67	413.23
For 10 Fins Per Inch, Add	48.88	
For 12 Fins Per Inch, Add	122.19	
For 230 PSIG Heavy Duty, Add	736.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0065	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,705.17	494.89
			<i>For 10 Fins Per Inch, Add</i>	54.31	
			<i>For 12 Fins Per Inch, Add</i>	135.77	
			<i>For 230 PSIG Heavy Duty, Add</i>	840.01	
23 82 16 11-0066	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,332.77	618.62
			<i>For 10 Fins Per Inch, Add</i>	61.91	
			<i>For 12 Fins Per Inch, Add</i>	154.78	
			<i>For 230 PSIG Heavy Duty, Add</i>	990.28	
23 82 16 11-0067	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,850.39	686.66
			<i>For 10 Fins Per Inch, Add</i>	69.51	
			<i>For 12 Fins Per Inch, Add</i>	173.78	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,107.55	
23 82 16 11-0068	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,008.24	798.39
			<i>For 10 Fins Per Inch, Add</i>	88.11	
			<i>For 12 Fins Per Inch, Add</i>	220.28	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,361.91	
23 82 16 11-0069	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,594.09	345.93
			<i>For 10 Fins Per Inch, Add</i>	38.04	
			<i>For 12 Fins Per Inch, Add</i>	95.11	
			<i>For 230 PSIG Heavy Duty, Add</i>	588.02	
23 82 16 11-0070	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,891.10	519.02
			<i>For 10 Fins Per Inch, Add</i>	57.06	
			<i>For 12 Fins Per Inch, Add</i>	142.66	
			<i>For 230 PSIG Heavy Duty, Add</i>	882.01	
23 82 16 11-0071	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	5,849.86	785.02
			<i>For 10 Fins Per Inch, Add</i>	85.60	
			<i>For 12 Fins Per Inch, Add</i>	213.99	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,326.98	
23 82 16 11-0072	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,812.47	909.74
			<i>For 10 Fins Per Inch, Add</i>	99.86	
			<i>For 12 Fins Per Inch, Add</i>	249.65	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,544.44	
23 82 16 11-0073	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	310.20	45.78
			<i>For 10 Fins Per Inch, Add</i>	4.37	
			<i>For 12 Fins Per Inch, Add</i>	10.93	
			<i>For 230 PSIG Heavy Duty, Add</i>	71.20	
23 82 16 11-0074			2 Row Hot Water Heating Coils <small>(23 82 16 11-0059)</small>		
23 82 16 11-0075	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,476.10	206.62
			<i>For 10 Fins Per Inch, Add</i>	41.27	
			<i>For 12 Fins Per Inch, Add</i>	103.18	
			<i>For 230 PSIG Heavy Duty, Add</i>	536.46	
23 82 16 11-0076	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,667.88	274.66
			<i>For 10 Fins Per Inch, Add</i>	42.36	
			<i>For 12 Fins Per Inch, Add</i>	105.90	
			<i>For 230 PSIG Heavy Duty, Add</i>	588.56	
23 82 16 11-0077	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,594.51	413.23
			<i>For 10 Fins Per Inch, Add</i>	55.39	
			<i>For 12 Fins Per Inch, Add</i>	138.48	
			<i>For 230 PSIG Heavy Duty, Add</i>	801.38	
23 82 16 11-0078	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,328.17	588.92
			<i>For 10 Fins Per Inch, Add</i>	63.00	
			<i>For 12 Fins Per Inch, Add</i>	157.49	
			<i>For 230 PSIG Heavy Duty, Add</i>	983.47	
23 82 16 11-0079	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,985.57	727.50
			<i>For 10 Fins Per Inch, Add</i>	70.60	
			<i>For 12 Fins Per Inch, Add</i>	176.50	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,142.67	
23 82 16 11-0080	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,297.47	883.38
			<i>For 10 Fins Per Inch, Add</i>	70.60	
			<i>For 12 Fins Per Inch, Add</i>	176.50	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,236.24	
23 82 16 11-0081	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,972.22	1,031.85
			<i>For 10 Fins Per Inch, Add</i>	78.20	
			<i>For 12 Fins Per Inch, Add</i>	195.51	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,400.65	
23 82 16 11-0082	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,354.06	1,198.88
			<i>For 10 Fins Per Inch, Add</i>	99.13	
			<i>For 12 Fins Per Inch, Add</i>	247.82	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,710.59	
23 82 16 11-0083	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,174.34	517.29
			<i>For 10 Fins Per Inch, Add</i>	42.80	
			<i>For 12 Fins Per Inch, Add</i>	106.99	
			<i>For 230 PSIG Heavy Duty, Add</i>	738.32	
23 82 16 11-0084	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,764.09	777.10
			<i>For 10 Fins Per Inch, Add</i>	64.20	
			<i>For 12 Fins Per Inch, Add</i>	160.49	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,108.25	
23 82 16 11-0085	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,157.92	1,171.66
			<i>For 10 Fins Per Inch, Add</i>	96.29	
			<i>For 12 Fins Per Inch, Add</i>	240.73	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,665.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0086 EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	8,354.41	1,368.63
<i>For 10 Fins Per Inch, Add</i>	112.34	
<i>For 12 Fins Per Inch, Add</i>	280.86	
<i>For 230 PSIG Heavy Duty, Add</i>	1,944.61	
23 82 16 11-0087 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)		
Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0088 EA 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,013.05	157.13
23 82 16 11-0089 EA 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,577.85	155.90
23 82 16 11-0090 EA 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,163.82	167.03
23 82 16 11-0091 EA 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,676.66	181.87
23 82 16 11-0092 EA 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,693.46	190.54
23 82 16 11-0093 EA 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,472.19	200.43
23 82 16 11-0094 EA 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,631.60	225.18
23 82 16 11-0095 EA 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,121.16	252.40
23 82 16 11-0096 EA 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,762.76	301.89
23 82 16 11-0097 EA 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,282.48	316.73
23 82 16 11-0098 EA 22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	8,054.62	335.29
23 82 16 11-0099 EA 27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	10,257.40	459.02
23 82 16 11-0100 EA 34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	12,887.81	562.94
23 82 16 11-0101 EA 40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	15,016.95	588.92
23 82 16 11-0102 EA 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	17,639.86	686.66
23 82 16 12 Steam Air Coils (23 82 16)		
23 82 16 12-0001 Steam Heating Coils (23 82 16 12)		
Note: Flanged construction.		
23 82 16 12-0002 EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	2,384.57	116.30
<i>For 2 Row Coil, Add</i>	761.62	
<i>For 4 Row Coil, Add</i>	2,007.10	
23 82 16 12-0003 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	2,628.48	160.84
<i>For 2 Row Coil, Add</i>	852.82	
<i>For 4 Row Coil, Add</i>	2,240.97	
23 82 16 12-0004 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	3,420.90	288.27
<i>For 2 Row Coil, Add</i>	1,141.36	
<i>For 4 Row Coil, Add</i>	2,984.17	
23 82 16 12-0005 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,285.49	413.23
<i>For 2 Row Coil, Add</i>	1,450.61	
<i>For 4 Row Coil, Add</i>	3,783.06	
23 82 16 12-0006 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,758.07	494.89
<i>For 2 Row Coil, Add</i>	1,625.38	
<i>For 4 Row Coil, Add</i>	4,232.06	
23 82 16 12-0007 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	5,313.13	618.62
<i>For 2 Row Coil, Add</i>	1,841.39	
<i>For 4 Row Coil, Add</i>	4,782.51	
23 82 16 12-0008 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	5,835.12	686.66
<i>For 2 Row Coil, Add</i>	2,025.48	
<i>For 4 Row Coil, Add</i>	5,259.22	
23 82 16 12-0009 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	7,256.40	801.36
<i>For 2 Row Coil, Add</i>	2,497.45	
<i>For 4 Row Coil, Add</i>	6,494.26	
23 82 16 12-0010 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	3,132.98	345.93
<i>For 2 Row Coil, Add</i>	1,078.29	
<i>For 4 Row Coil, Add</i>	2,803.93	
23 82 16 12-0011 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,699.45	519.02
<i>For 2 Row Coil, Add</i>	1,617.42	
<i>For 4 Row Coil, Add</i>	4,205.87	
23 82 16 12-0012 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	7,046.54	777.10
<i>For 2 Row Coil, Add</i>	2,424.82	
<i>For 4 Row Coil, Add</i>	6,305.59	
23 82 16 12-0013 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	8,227.09	909.74
<i>For 2 Row Coil, Add</i>	2,832.02	
<i>For 4 Row Coil, Add</i>	7,364.04	
23 82 16 13 Refrigerant Air Coils (23 82 16)		
23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)		
Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0003 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,873.03	92.79
<i>For 10 Fins Per Inch, Add</i>	33.74	
<i>For 12 Fins Per Inch, Add</i>	84.35	
23 82 16 13-0004 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,629.07	127.44
<i>For 10 Fins Per Inch, Add</i>	67.48	
<i>For 12 Fins Per Inch, Add</i>	168.70	
23 82 16 13-0005 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,992.38	200.43
<i>For 10 Fins Per Inch, Add</i>	91.87	
<i>For 12 Fins Per Inch, Add</i>	229.66	
23 82 16 13-0006 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,003.87	288.27
<i>For 10 Fins Per Inch, Add</i>	108.57	
<i>For 12 Fins Per Inch, Add</i>	271.42	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,970.54		352.62
		<i>For 10 Fins Per Inch, Add</i>	125.27		
		<i>For 12 Fins Per Inch, Add</i>	313.18		
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,784.93		426.84
		<i>For 10 Fins Per Inch, Add</i>	138.63		
		<i>For 12 Fins Per Inch, Add</i>	346.58		
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,923.61		494.89
		<i>For 10 Fins Per Inch, Add</i>	158.68		
		<i>For 12 Fins Per Inch, Add</i>	396.69		
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,210.64		577.05
		<i>For 10 Fins Per Inch, Add</i>	201.13		
		<i>For 12 Fins Per Inch, Add</i>	502.83		
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,305.03		219.36
		<i>For 10 Fins Per Inch, Add</i>	77.33		
		<i>For 12 Fins Per Inch, Add</i>	193.32		
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,520.90		373.52
		<i>For 10 Fins Per Inch, Add</i>	95.48		
		<i>For 12 Fins Per Inch, Add</i>	238.69		
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,768.99		560.34
		<i>For 10 Fins Per Inch, Add</i>	112.97		
		<i>For 12 Fins Per Inch, Add</i>	282.42		
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,389.20		652.52
		<i>For 10 Fins Per Inch, Add</i>	121.68		
		<i>For 12 Fins Per Inch, Add</i>	304.21		
23 82 16 13-0015 4 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>					
23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,122.29		128.67
		<i>For 10 Fins Per Inch, Add</i>	57.29		
		<i>For 12 Fins Per Inch, Add</i>	143.23		
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,461.51		185.59
		<i>For 10 Fins Per Inch, Add</i>	81.84		
		<i>For 12 Fins Per Inch, Add</i>	204.61		
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,047.03		309.31
		<i>For 10 Fins Per Inch, Add</i>	108.57		
		<i>For 12 Fins Per Inch, Add</i>	271.42		
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,347.05		459.02
		<i>For 10 Fins Per Inch, Add</i>	128.61		
		<i>For 12 Fins Per Inch, Add</i>	321.53		
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,473.99		562.94
		<i>For 10 Fins Per Inch, Add</i>	146.98		
		<i>For 12 Fins Per Inch, Add</i>	367.46		
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,060.15		687.90
		<i>For 10 Fins Per Inch, Add</i>	173.71		
		<i>For 12 Fins Per Inch, Add</i>	434.27		
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,170.23		825.23
		<i>For 10 Fins Per Inch, Add</i>	190.41		
		<i>For 12 Fins Per Inch, Add</i>	476.03		
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,826.37		960.59
		<i>For 10 Fins Per Inch, Add</i>	178.10		
		<i>For 12 Fins Per Inch, Add</i>	445.26		
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,925.25		414.60
		<i>For 10 Fins Per Inch, Add</i>	121.92		
		<i>For 12 Fins Per Inch, Add</i>	304.80		
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,774.07		623.56
		<i>For 10 Fins Per Inch, Add</i>	150.54		
		<i>For 12 Fins Per Inch, Add</i>	376.34		
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,161.81		1,096.80
		<i>For 10 Fins Per Inch, Add</i>	219.36		
		<i>For 12 Fins Per Inch, Add</i>	548.41		
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,057.18		1,278.19
		<i>For 10 Fins Per Inch, Add</i>	250.02		
		<i>For 12 Fins Per Inch, Add</i>	625.05		
23 82 16 13-0028 6 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>					
23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,000.21		162.08
		<i>For 10 Fins Per Inch, Add</i>	73.49		
		<i>For 12 Fins Per Inch, Add</i>	183.73		
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,577.37		242.50
		<i>For 10 Fins Per Inch, Add</i>	81.84		
		<i>For 12 Fins Per Inch, Add</i>	204.61		
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,587.29		413.23
		<i>For 10 Fins Per Inch, Add</i>	115.25		
		<i>For 12 Fins Per Inch, Add</i>	288.12		
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,335.92		618.62
		<i>For 10 Fins Per Inch, Add</i>	141.97		
		<i>For 12 Fins Per Inch, Add</i>	354.93		
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,983.63		773.27
		<i>For 10 Fins Per Inch, Add</i>	188.74		
		<i>For 12 Fins Per Inch, Add</i>	471.85		
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,426.20		951.43
		<i>For 10 Fins Per Inch, Add</i>	210.46		
		<i>For 12 Fins Per Inch, Add</i>	526.14		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0035 EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,442.55	1,124.65
For 10 Fins Per Inch, Add	243.86	
For 12 Fins Per Inch, Add	609.65	
23 82 16 13-0036 EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,581.55	1,310.60
For 10 Fins Per Inch, Add	219.21	
For 12 Fins Per Inch, Add	548.02	
23 82 16 13-0037 EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,635.72	566.53
For 10 Fins Per Inch, Add	150.05	
For 12 Fins Per Inch, Add	375.14	
23 82 16 13-0038 EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,963.25	849.73
For 10 Fins Per Inch, Add	185.28	
For 12 Fins Per Inch, Add	463.19	
23 82 16 13-0039 EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,496.10	1,267.67
For 10 Fins Per Inch, Add	219.22	
For 12 Fins Per Inch, Add	548.04	
23 82 16 13-0040 EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,780.90	1,487.03
For 10 Fins Per Inch, Add	236.14	
For 12 Fins Per Inch, Add	590.34	
23 82 16 13-0041 8 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0042 EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,986.04	195.49
For 10 Fins Per Inch, Add	91.87	
For 12 Fins Per Inch, Add	229.66	
23 82 16 13-0043 EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,948.42	301.89
For 10 Fins Per Inch, Add	106.90	
For 12 Fins Per Inch, Add	267.24	
23 82 16 13-0044 EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,800.89	538.19
For 10 Fins Per Inch, Add	154.50	
For 12 Fins Per Inch, Add	386.25	
23 82 16 13-0045 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,587.80	825.23
For 10 Fins Per Inch, Add	198.76	
For 12 Fins Per Inch, Add	496.91	
23 82 16 13-0046 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,879.29	1,031.85
For 10 Fins Per Inch, Add	236.34	
For 12 Fins Per Inch, Add	590.86	
23 82 16 13-0047 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,087.24	1,237.23
For 10 Fins Per Inch, Add	272.26	
For 12 Fins Per Inch, Add	680.64	
23 82 16 13-0048 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,533.55	1,374.57
For 10 Fins Per Inch, Add	315.68	
For 12 Fins Per Inch, Add	789.21	
23 82 16 13-0049 EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,519.06	1,594.42
For 10 Fins Per Inch, Add	246.61	
For 12 Fins Per Inch, Add	616.52	
23 82 16 13-0050 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,821.45	690.38
For 10 Fins Per Inch, Add	168.81	
For 12 Fins Per Inch, Add	422.03	
23 82 16 13-0051 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,497.66	1,037.91
For 10 Fins Per Inch, Add	208.44	
For 12 Fins Per Inch, Add	521.09	
23 82 16 13-0052 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,455.22	1,562.13
For 10 Fins Per Inch, Add	246.62	
For 12 Fins Per Inch, Add	616.54	
23 82 16 13-0053 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,921.65	1,819.47
For 10 Fins Per Inch, Add	265.65	
For 12 Fins Per Inch, Add	664.14	
23 82 16 14 Electric-Resistance Air Coils <small>(23 82 16)</small>		
23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater <small>(23 82 16 14)</small>		
23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element <small>(23 82 16 14-0001)</small>		
23 82 16 14-0003 EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	627.25	97.54
23 82 16 14-0004 EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	643.50	105.14
23 82 16 14-0005 EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	662.69	115.27
23 82 16 14-0006 EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	669.15	119.07
23 82 16 14-0007 EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	685.72	126.68
23 82 16 14-0008 EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	704.79	136.80
23 82 16 14-0009 EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	812.62	153.27
23 82 16 14-0010 EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	828.07	160.87
23 82 16 14-0011 EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	840.72	165.94
23 82 16 14-0012 EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	859.25	176.08
23 82 16 14-0013 EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	941.72	186.21
23 82 16 14-0014 EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	977.77	203.94
23 82 16 14-0015 EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,013.61	221.68
23 82 16 14-0016 EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,051.57	239.41
23 82 16 14-0017 EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,459.68	334.41
23 82 16 14-0018 EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,652.39	355.95
23 82 16 14-0019 EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,912.17	407.88
23 82 16 14-0020 EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,446.65	452.21
23 82 16 14-0021 EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,612.95	491.49
23 82 16 14-0022 EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,958.61	539.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0023	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,879.73	576.36
23 82 16 14-0024	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,363.58	619.43
23 82 16 14-0025	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	6,528.42	668.83
23 82 16 14-0026	EA		150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	7,357.75	727.10
23 82 16 14-0027			Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)		
23 82 16 14-0028	EA		1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,003.23	139.34
23 82 16 14-0029	EA		2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,034.12	152.01
23 82 16 14-0030	EA		3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,046.01	152.01
23 82 16 14-0031	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,130.80	167.21
23 82 16 14-0032	EA		5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,180.70	167.21
23 82 16 14-0033	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,207.26	167.21
23 82 16 14-0034	EA		8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,268.21	186.21
23 82 16 14-0035	EA		9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,323.76	209.01
23 82 16 14-0036	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,350.32	209.01
23 82 16 14-0037	EA		15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,520.51	239.41
23 82 16 14-0038	EA		20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,944.99	239.41
23 82 16 14-0039	EA		25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,066.01	259.68
23 82 16 14-0040	EA		30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,430.54	278.68
23 82 16 14-0041	EA		40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,887.34	278.68
23 82 16 14-0042	EA		45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,150.96	291.34
23 82 16 14-0043	EA		50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,309.34	291.34
23 82 19			Fan Coil Units (23 82)		
23 82 19 00-0001			Ceiling Suspended Horizontal Fan Coil Units (23 82 19)		
			Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.		
23 82 19 00-0002			Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)		
23 82 19 00-0003	EA		200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,113.22	200.43
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.96	
23 82 19 00-0004	EA		300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,404.57	233.84
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.34	
23 82 19 00-0005	EA		400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,851.72	263.53
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.32	
23 82 19 00-0006	EA		600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,277.56	301.89
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-65.18	
23 82 19 00-0007	EA		800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,696.03	316.73
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.59	
23 82 19 00-0008	EA		1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,737.93	335.29
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-115.16	
23 82 19 00-0009	EA		1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,572.01	363.75
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-119.58	
23 82 19 00-0010			Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)		
23 82 19 00-0011	EA		200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,066.49	200.43
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.96	
23 82 19 00-0012	EA		300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,454.34	233.84
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.34	
23 82 19 00-0013	EA		400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,260.81	263.53
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.32	
23 82 19 00-0014	EA		600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,613.78	301.89
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-65.18	
23 82 19 00-0015	EA		800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,920.67	317.97
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.59	
23 82 19 00-0016	EA		1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,536.76	335.29
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-115.16	
23 82 19 00-0017	EA		1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	7,663.00	363.75
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-119.58	
23 82 19 00-0018	EA		1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	8,169.19	377.36
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-121.60	
23 82 19 00-0019	EA		1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	9,114.87	392.82
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.92	
23 82 19 00-0020	EA		1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	9,802.47	408.29
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.24	
23 82 19 00-0021			Floor Mounted Vertical Fan Coil Units (23 82 19)		
			Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0021)</small>		
23 82 19 00-0023 EA 200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,038.70	199.20
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-265.89	
<i>For Thru-Wall Sleeve, Add</i>	134.82	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.96	
23 82 19 00-0024 EA 300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,330.05	233.84
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-302.82	
<i>For Thru-Wall Sleeve, Add</i>	148.38	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.34	
23 82 19 00-0025 EA 400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,762.28	263.53
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-361.69	
<i>For Thru-Wall Sleeve, Add</i>	160.30	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.32	
23 82 19 00-0026 EA 600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,174.70	301.89
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-415.85	
<i>For Thru-Wall Sleeve, Add</i>	175.71	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-65.18	
23 82 19 00-0027 EA 800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,578.28	317.97
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-473.29	
<i>For Thru-Wall Sleeve, Add</i>	181.90	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.59	
23 82 19 00-0028 EA 1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,581.42	335.29
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-620.34	
<i>For Thru-Wall Sleeve, Add</i>	188.75	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-115.16	
23 82 19 00-0029 EA 1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,385.70	363.75
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-735.08	
<i>For Thru-Wall Sleeve, Add</i>	200.56	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-119.58	
23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0021)</small>		
23 82 19 00-0031 EA 200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,950.41	199.20
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-402.65	
<i>For Thru-Wall Sleeve, Add</i>	134.82	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.96	
23 82 19 00-0032 EA 300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,324.34	233.84
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-451.96	
<i>For Thru-Wall Sleeve, Add</i>	148.38	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.34	
23 82 19 00-0033 EA 400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,098.30	263.53
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-562.10	
<i>For Thru-Wall Sleeve, Add</i>	160.30	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-61.32	
23 82 19 00-0034 EA 600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,685.61	301.89
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-642.49	
<i>For Thru-Wall Sleeve, Add</i>	175.71	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-65.18	
23 82 19 00-0035 EA 800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,226.82	317.97
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-720.58	
<i>For Thru-Wall Sleeve, Add</i>	181.90	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-112.59	
23 82 19 00-0036 EA 1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	6,281.63	335.29
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-875.37	
<i>For Thru-Wall Sleeve, Add</i>	188.75	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-115.16	
23 82 19 00-0037 EA 1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	7,361.16	363.75
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,031.40	
<i>For Thru-Wall Sleeve, Add</i>	200.56	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-119.58	
23 82 19 00-0038 EA 1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	8,063.67	377.36
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,134.08	
<i>For Thru-Wall Sleeve, Add</i>	205.94	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-121.60	
23 82 19 00-0039 EA 1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	8,903.83	392.82
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,257.01	
<i>For Thru-Wall Sleeve, Add</i>	212.13	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.92	
23 82 19 00-0040 EA 1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	9,494.80	392.82
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,342.56	
<i>For Thru-Wall Sleeve, Add</i>	218.31	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.24	
23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0042 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical		526.04

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 82 29 Radiators (23 82)

23 82 29 00-0001 Demolish Cast Iron Radiators (23 82 29)

23 82 29 00-0002	EA	Demolish Cast Iron Radiator.....	37.10	
23 82 29 00-0003	EA	Cap Radiator.....	58.20	

23 82 29 00-0004 Cast Iron Radiator (23 82 29)

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing.....	69.56	
		<i>For Wall Support Bracket, Add</i>	29.64	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing.....	100.88	
		<i>For Wall Support Bracket, Add</i>	31.24	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing.....	118.15	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing.....	150.24	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille.....	95.09	

23 82 29 00-0010 Radiator Covers (23 82 29)

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	134.18	6.88
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	84.00	6.88

23 82 29 00-0013 Radiator Shields (23 82 29)

23 82 29 00-0014	SF	Stainless Steel Radiator Shield.....	62.25	6.88
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	50.89	6.88

23 82 29 00-0016 Removal And Reinstallation Of Radiator (23 82 29)

Note: Includes storage and cleaning.

23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator.....	92.79	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator.....	61.86	

23 82 33 Convectors (23 82)

23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33)

Note: Complete with 6-1/4" deep cabinet enclosure.

23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	605.88	136.09
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	67.86	
		<i>For Snap-On Inlet Grille, Add</i>	51.24	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	139.88	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	713.43	148.47
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	73.49	
		<i>For Snap-On Inlet Grille, Add</i>	54.99	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	170.97	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	821.04	175.69
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	85.79	
		<i>For Snap-On Inlet Grille, Add</i>	63.19	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	194.28	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	982.90	204.15
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	98.78	
		<i>For Snap-On Inlet Grille, Add</i>	71.85	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	235.77	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,172.16	244.97
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	117.33	
		<i>For Snap-On Inlet Grille, Add</i>	84.22	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	280.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0008 EA 20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,318.48	269.47
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	128.45	
For Snap-On Inlet Grille, Add	91.63	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	318.61	
23 82 33 00-0009 EA 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,532.48	326.63
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	154.42	
For Snap-On Inlet Grille, Add	108.95	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	363.21	
23 82 33 00-0010 EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,672.67	347.04
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	163.70	
For Snap-On Inlet Grille, Add	115.14	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	401.45	
23 82 33 00-0011 EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,825.50	387.87
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	182.24	
For Snap-On Inlet Grille, Add	127.50	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	433.31	
23 82 33 00-0012 EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,014.86	428.70
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	200.82	
For Snap-On Inlet Grille, Add	139.88	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	477.91	
23 82 33 00-0013 EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,167.71	469.53
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	219.36	
For Snap-On Inlet Grille, Add	152.24	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	509.78	
23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0015 EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	712.58	179.03
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	86.55	
For Snap-On Inlet Grille, Add	63.70	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	155.43	
23 82 33 00-0016 EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	836.62	207.97
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	99.54	
For Snap-On Inlet Grille, Add	72.36	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	183.69	
23 82 33 00-0017 EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,011.97	244.23
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	115.81	
For Snap-On Inlet Grille, Add	83.21	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	226.08	
23 82 33 00-0018 EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,185.80	272.32
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	128.42	
For Snap-On Inlet Grille, Add	91.61	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	272.21	
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,383.81	306.21
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	143.68	
For Snap-On Inlet Grille, Add	101.78	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	323.71	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0020	EA		26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,548.28	331.70
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	155.18	
			<i>For Snap-On Inlet Grille, Add</i>	109.46	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	367.85	
23 82 33 00-0021	EA		26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,765.69	377.97
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	176.26	
			<i>For Snap-On Inlet Grille, Add</i>	123.51	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	419.35	
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,926.04	401.11
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	186.53	
			<i>For Snap-On Inlet Grille, Add</i>	130.35	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	463.49	
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,084.68	437.36
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	202.59	
			<i>For Snap-On Inlet Grille, Add</i>	141.06	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	500.28	
23 82 33 00-0024	EA		26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,285.93	472.87
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	218.83	
			<i>For Snap-On Inlet Grille, Add</i>	151.88	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	551.78	
23 82 33 00-0025	EA		26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,439.72	505.41
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	233.43	
			<i>For Snap-On Inlet Grille, Add</i>	161.62	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	588.56	
23 82 33 00-0026			32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027	EA		32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	818.23	217.75
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	104.93	
			<i>For Snap-On Inlet Grille, Add</i>	75.95	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	170.97	
23 82 33 00-0028	EA		32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	976.40	263.53
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	125.73	
			<i>For Snap-On Inlet Grille, Add</i>	89.82	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	202.05	
23 82 33 00-0029	EA		32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,177.04	308.07
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	145.96	
			<i>For Snap-On Inlet Grille, Add</i>	103.30	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	248.68	
23 82 33 00-0030	EA		32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,362.74	334.79
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	158.17	
			<i>For Snap-On Inlet Grille, Add</i>	111.45	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	299.43	
23 82 33 00-0031	EA		32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,565.00	361.77
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	170.29	
			<i>For Snap-On Inlet Grille, Add</i>	119.53	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	356.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0032 EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,743.57	387.87
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	182.24	
For Snap-On Inlet Grille, Add	127.50	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	404.63	
23 82 33 00-0033 EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,955.17	420.54
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	197.17	
For Snap-On Inlet Grille, Add	137.44	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	461.28	
23 82 33 00-0034 EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,134.99	447.51
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	209.49	
For Snap-On Inlet Grille, Add	145.66	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	509.84	
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,295.14	477.70
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	222.86	
For Snap-On Inlet Grille, Add	154.57	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	550.30	
23 82 33 00-0036 EA 32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,501.46	506.28
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	236.20	
For Snap-On Inlet Grille, Add	163.46	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	606.95	
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,653.56	530.78
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	247.14	
For Snap-On Inlet Grille, Add	170.76	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	647.41	
23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)		
23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	642.14	135.93
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	708.08	135.93
23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	738.51	135.93
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	839.95	135.93
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	928.71	135.93
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,068.19	135.93
23 82 36 Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001 Electric Baseboard Heating (23 82 36)		
Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	157.80	75.51
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	160.85	75.51
23 82 36 00-0005 Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	188.23	75.51
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	195.84	75.51
23 82 36 00-0008 Finned Tube Baseboard Units (23 82 36)		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	388.86	48.25
For 90 Degree Corner, Add	56.69	
For Valve Enclosure, Add	56.69	
For Filler Piece, Add	49.69	
For End Cap, Add	38.35	
For Copper Tube With Aluminum Fins, Add	8.55	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 36 00-0011	EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	514.32	72.99
	<i>For 90 Degree Corner, Add</i>	66.24	
	<i>For Valve Enclosure, Add</i>	66.24	
	<i>For Filler Piece, Add</i>	59.24	
	<i>For End Cap, Add</i>	44.55	
	<i>For Copper Tube With Aluminum Fins, Add</i>	12.82	
23 82 36 00-0012	EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	620.15	96.50
	<i>For 90 Degree Corner, Add</i>	71.86	
	<i>For Valve Enclosure, Add</i>	71.86	
	<i>For Filler Piece, Add</i>	64.86	
	<i>For End Cap, Add</i>	48.21	
	<i>For Copper Tube With Aluminum Fins, Add</i>	17.10	
23 82 36 00-0013	EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	772.52	135.10
	<i>For 90 Degree Corner, Add</i>	87.20	
	<i>For Valve Enclosure, Add</i>	87.20	
	<i>For Filler Piece, Add</i>	80.20	
	<i>For End Cap, Add</i>	58.18	
	<i>For Copper Tube With Aluminum Fins, Add</i>	21.26	
23 82 36 00-0014	EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	924.07	162.32
	<i>For 90 Degree Corner, Add</i>	102.79	
	<i>For Valve Enclosure, Add</i>	102.79	
	<i>For Filler Piece, Add</i>	95.79	
	<i>For End Cap, Add</i>	68.31	
	<i>For Copper Tube With Aluminum Fins, Add</i>	25.31	
23 82 36 00-0015	EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,047.05	173.21
	<i>For 90 Degree Corner, Add</i>	108.98	
	<i>For Valve Enclosure, Add</i>	108.98	
	<i>For Filler Piece, Add</i>	101.98	
	<i>For End Cap, Add</i>	72.34	
	<i>For Copper Tube With Aluminum Fins, Add</i>	30.37	
23 82 36 00-0016	EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,154.24	191.40
	<i>For 90 Degree Corner, Add</i>	119.37	
	<i>For Valve Enclosure, Add</i>	119.37	
	<i>For Filler Piece, Add</i>	112.37	
	<i>For End Cap, Add</i>	79.09	
	<i>For Copper Tube With Aluminum Fins, Add</i>	33.41	
23 82 36 00-0017	EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,318.02	216.51
	<i>For 90 Degree Corner, Add</i>	133.72	
	<i>For Valve Enclosure, Add</i>	133.72	
	<i>For Filler Piece, Add</i>	126.72	
	<i>For End Cap, Add</i>	88.42	
	<i>For Copper Tube With Aluminum Fins, Add</i>	38.47	
23 82 36 00-0018	EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,453.57	238.17
	<i>For 90 Degree Corner, Add</i>	146.11	
	<i>For Valve Enclosure, Add</i>	146.11	
	<i>For Filler Piece, Add</i>	139.11	
	<i>For End Cap, Add</i>	96.47	
	<i>For Copper Tube With Aluminum Fins, Add</i>	42.52	
23 82 36 00-0019	1" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		
23 82 36 00-0020	EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	455.48	48.25
	<i>For 90 Degree Corner, Add</i>	56.69	
	<i>For Valve Enclosure, Add</i>	56.69	
	<i>For Filler Piece, Add</i>	49.69	
	<i>For End Cap, Add</i>	38.35	
	<i>For Copper Tube With Aluminum Fins, Add</i>	12.21	
23 82 36 00-0021	EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	614.24	72.99
	<i>For 90 Degree Corner, Add</i>	66.24	
	<i>For Valve Enclosure, Add</i>	66.24	
	<i>For Filler Piece, Add</i>	59.24	
	<i>For End Cap, Add</i>	44.55	
	<i>For Copper Tube With Aluminum Fins, Add</i>	18.32	
23 82 36 00-0022	EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	753.38	96.50
	<i>For 90 Degree Corner, Add</i>	71.86	
	<i>For Valve Enclosure, Add</i>	71.86	
	<i>For Filler Piece, Add</i>	64.86	
	<i>For End Cap, Add</i>	48.21	
	<i>For Copper Tube With Aluminum Fins, Add</i>	24.42	
23 82 36 00-0023	EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	938.33	135.10
	<i>For 90 Degree Corner, Add</i>	87.23	
	<i>For Valve Enclosure, Add</i>	87.23	
	<i>For Filler Piece, Add</i>	80.23	
	<i>For End Cap, Add</i>	58.20	
	<i>For Copper Tube With Aluminum Fins, Add</i>	30.37	
23 82 36 00-0024	EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,121.08	162.32
	<i>For 90 Degree Corner, Add</i>	102.75	
	<i>For Valve Enclosure, Add</i>	102.75	
	<i>For Filler Piece, Add</i>	95.75	
	<i>For End Cap, Add</i>	68.29	
	<i>For Copper Tube With Aluminum Fins, Add</i>	36.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0025 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element.....	1,283.70	173.21
<i>For 90 Degree Corner, Add</i>	108.98	
<i>For Valve Enclosure, Add</i>	108.98	
<i>For Filler Piece, Add</i>	101.98	
<i>For End Cap, Add</i>	72.34	
<i>For Copper Tube With Aluminum Fins, Add</i>	43.38	
23 82 36 00-0026 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element.....	1,414.17	191.40
<i>For 90 Degree Corner, Add</i>	119.30	
<i>For Valve Enclosure, Add</i>	119.30	
<i>For Filler Piece, Add</i>	112.30	
<i>For End Cap, Add</i>	79.04	
<i>For Copper Tube With Aluminum Fins, Add</i>	47.72	
23 82 36 00-0027 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element.....	1,617.78	216.51
<i>For 90 Degree Corner, Add</i>	133.72	
<i>For Valve Enclosure, Add</i>	133.72	
<i>For Filler Piece, Add</i>	126.72	
<i>For End Cap, Add</i>	88.42	
<i>For Copper Tube With Aluminum Fins, Add</i>	54.95	
23 82 36 00-0028 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element.....	1,784.13	238.17
<i>For 90 Degree Corner, Add</i>	145.96	
<i>For Valve Enclosure, Add</i>	145.96	
<i>For Filler Piece, Add</i>	138.96	
<i>For End Cap, Add</i>	96.37	
<i>For Copper Tube With Aluminum Fins, Add</i>	60.74	
23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	522.09	48.25
<i>For 90 Degree Corner, Add</i>	56.69	
<i>For Valve Enclosure, Add</i>	56.69	
<i>For Filler Piece, Add</i>	49.69	
<i>For End Cap, Add</i>	38.35	
<i>For Copper Tube With Aluminum Fins, Add</i>	15.88	
23 82 36 00-0031 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	714.16	72.99
<i>For 90 Degree Corner, Add</i>	66.24	
<i>For Valve Enclosure, Add</i>	66.24	
<i>For Filler Piece, Add</i>	59.24	
<i>For End Cap, Add</i>	44.55	
<i>For Copper Tube With Aluminum Fins, Add</i>	23.81	
23 82 36 00-0032 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	886.60	96.50
<i>For 90 Degree Corner, Add</i>	71.86	
<i>For Valve Enclosure, Add</i>	71.86	
<i>For Filler Piece, Add</i>	64.86	
<i>For End Cap, Add</i>	48.21	
<i>For Copper Tube With Aluminum Fins, Add</i>	31.75	
23 82 36 00-0033 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,103.98	135.10
<i>For 90 Degree Corner, Add</i>	87.23	
<i>For Valve Enclosure, Add</i>	87.23	
<i>For Filler Piece, Add</i>	80.23	
<i>For End Cap, Add</i>	58.20	
<i>For Copper Tube With Aluminum Fins, Add</i>	39.48	
23 82 36 00-0034 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,318.28	162.32
<i>For 90 Degree Corner, Add</i>	102.75	
<i>For Valve Enclosure, Add</i>	102.75	
<i>For Filler Piece, Add</i>	95.75	
<i>For End Cap, Add</i>	68.29	
<i>For Copper Tube With Aluminum Fins, Add</i>	47.00	
23 82 36 00-0035 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,520.34	173.21
<i>For 90 Degree Corner, Add</i>	108.98	
<i>For Valve Enclosure, Add</i>	108.98	
<i>For Filler Piece, Add</i>	101.98	
<i>For End Cap, Add</i>	72.34	
<i>For Copper Tube With Aluminum Fins, Add</i>	56.40	
23 82 36 00-0036 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,674.48	191.40
<i>For 90 Degree Corner, Add</i>	119.30	
<i>For Valve Enclosure, Add</i>	119.30	
<i>For Filler Piece, Add</i>	112.30	
<i>For End Cap, Add</i>	79.04	
<i>For Copper Tube With Aluminum Fins, Add</i>	62.04	
23 82 36 00-0037 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,917.53	216.51
<i>For 90 Degree Corner, Add</i>	133.72	
<i>For Valve Enclosure, Add</i>	133.72	
<i>For Filler Piece, Add</i>	126.72	
<i>For End Cap, Add</i>	88.42	
<i>For Copper Tube With Aluminum Fins, Add</i>	71.44	
23 82 36 00-0038 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	2,115.43	238.17
<i>For 90 Degree Corner, Add</i>	145.96	
<i>For Valve Enclosure, Add</i>	145.96	
<i>For Filler Piece, Add</i>	138.96	
<i>For End Cap, Add</i>	96.37	
<i>For Copper Tube With Aluminum Fins, Add</i>	78.96	

23 82 39 Unit Heaters (23 82)

23 82 39 13 Cabinet Unit Heaters (23 82 39)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0001 Electric Cabinet Unit Heaters ^(23 82 39 13) Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length ^(23 82 39 13-0001)		
23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,115.21	171.62
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,139.54	171.62
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,163.87	171.62
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,188.18	171.62
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,212.51	171.62
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,236.84	171.62
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,262.13	171.62
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add	229.30	113.96
23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length ^(23 82 39 13-0001)		
23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,315.21	205.95
23 82 39 13-0013 EA 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,363.87	205.95
23 82 39 13-0014 EA 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,412.50	205.95
23 82 39 13-0015 EA 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,461.16	205.95
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,509.80	205.95
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,558.46	205.95
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,607.10	205.95
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add	274.60	137.30
23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length ^(23 82 39 13-0001)		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,165.70	274.60
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,214.33	274.60
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,262.99	274.60
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,311.63	274.60
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,360.29	274.60
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,408.93	274.60
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add	343.25	171.62
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length ^(23 82 39 13-0001)		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,918.89	343.25
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,991.86	343.25
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,064.82	343.25
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,137.79	343.25
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,210.78	343.25
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,283.75	343.25
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,356.71	343.25
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add	458.58	229.30
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length ^(23 82 39 13-0001)		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,769.36	411.90
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,866.66	411.90
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,963.95	411.90
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,061.25	411.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	6,158.54	411.90
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	6,255.84	411.90
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	6,353.14	411.90
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add	549.20	274.60
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters <small>(23 82 39 13)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	340.24	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	587.71	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	701.51	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	948.96	
23 82 39 16 Propeller Unit Heaters <small>(23 82 39)</small>		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water <small>(23 82 39 16)</small> Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt <small>(23 82 39 16-0001)</small>		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,025.66	123.73
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,027.78	123.73
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,149.79	123.73
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,400.50	185.59
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,462.92	185.59
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,555.87	185.59
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,862.59	247.45
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,049.87	247.45
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,169.05	247.45
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,265.52	247.45
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,550.99	309.31
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,583.64	309.31
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,614.85	309.31
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,776.81	371.17
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,020.84	371.17
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,444.10	433.03
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,327.99	433.03
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,596.31	494.89
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,504.33	494.89
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal	278.20	30.93
Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt <small>(23 82 39 16-0001)</small>		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,484.22	123.73
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	1,551.60	185.59
23 82 39 16-0026 EA 80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,674.33	185.59
23 82 39 16-0027 EA 101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,054.14	247.45
23 82 39 16-0028 EA 124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,174.72	247.45
23 82 39 16-0029 EA 152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,558.31	371.17
23 82 39 16-0030 EA 173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,742.76	371.17
23 82 39 16-0031 EA 210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,897.42	371.17
23 82 39 16-0032 EA 249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,232.69	433.03
23 82 39 16-0033 EA 283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,415.73	433.03
23 82 39 16-0034 EA 333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,786.01	433.03
23 82 39 16-0035 EA 386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,371.02	556.75
23 82 39 16-0036 EA 496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,602.52	556.75
23 82 39 16-0037 EA 585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,979.92	556.75
23 82 39 16-0038 EA 705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	6,810.19	618.62
23 82 39 16-0039 EA Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	383.19	30.93
Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters <small>(23 82 39 16)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041 EA Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	742.34	
23 82 39 16-0042 EA Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	989.78	
23 82 39 19 Wall and Ceiling Unit Heaters <small>(23 82 39)</small>		
23 82 39 19-0001 Electric Unit Heaters <small>(23 82 39 19)</small> Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002 EA 3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	923.92	137.30
23 82 39 19-0003 EA 5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	923.92	137.30
23 82 39 19-0004 EA 7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,237.01	171.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0005	EA		10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,420.45	205.95
23 82 39 19-0006	EA		15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,067.91	274.60
23 82 39 19-0007	EA		20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,001.85	343.25
23 82 39 19-0008	EA		30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,132.01	411.90
23 82 39 19-0009	EA		50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,017.69	480.55
23 82 39 19-0010	EA		3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,135.01	137.30
23 82 39 19-0011	EA		5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,093.80	137.30
23 82 39 19-0012	EA		7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,297.34	171.62
23 82 39 19-0013	EA		10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,498.93	205.95
23 82 39 19-0014	EA		15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,224.88	274.60

23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "r" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA		1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	426.90	85.82
23 82 39 19-0017	EA		1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	498.66	96.11
23 82 39 19-0018	EA		3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	769.41	96.11
23 82 39 19-0019	EA		1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	482.50	85.82
23 82 39 19-0020	EA		1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	586.42	96.11
23 82 39 19-0021	EA		3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	872.48	96.11
23 82 39 19-0022	EA		1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	634.66	113.28
23 82 39 19-0023	EA		3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,165.42	120.14
23 82 39 19-0024	EA		4,800/3,600 Watt Recessed Electric Ceiling Heater	1,308.50	120.14
23 82 39 19-0025	EA		4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,516.49	127.00
23 82 39 19-0026	EA		5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,642.12	127.00
23 82 39 19-0027	EA		1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	708.97	113.28
23 82 39 19-0028	EA		3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,282.49	120.14
23 82 39 19-0029	EA		4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,425.57	120.14
23 82 39 19-0030	EA		Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	676.34	85.82

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA		Removal And Reinstallation Of Up To 15KW Electric Unit Heater	445.43	
23 82 39 19-0033	EA		Removal And Reinstallation Of >15 KW Electric Unit Heater	915.65	

23 83 Radiant Heating Units (23 83)

23 83 13 Radiant-Heating Electric Cables (23 83)

23 83 13 13 Radiant-Heating Electric Cables (23 83 13)

23 83 13 13-0001 Self Regulating Heating Cable (23 83 13 13)

23 83 13 13-0002	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	9.12	0.85
			Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0003	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	9.73	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0004	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	10.16	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0005	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	9.12	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0006	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	10.76	0.85
			Note: Tinned copper braid, at 50 degrees F		
23 83 13 13-0007	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	11.37	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0008	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.35	0.85
			Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0009	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.64	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0010	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.92	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0011	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.35	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0012	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.64	0.85
			Note: Tinned copper braid, at 50 degrees F		
23 83 13 13-0013	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	11.92	0.85
			Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0014	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments	14.16	0.85
			Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0015	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments	14.72	0.85
			Note: Tinned copper braid, at 50 degrees F.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0016 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	15.00	0.85
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0017 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.16	0.85
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0018 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	14.72	0.85
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0019 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments.....	15.00	0.85
Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0020 EA Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	326.01	67.50
23 83 13 13-0021 EA Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	326.01	67.50
23 83 13 13-0022 EA End Seal Kit For Self Regulating Low Temperature Heating Cable.....	215.54	12.27
23 83 13 13-0023 EA Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	584.37	30.68
23 83 13 13-0024 EA Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	643.79	30.68

23 83 33 Electric Radiant Heaters (23 83)

23 83 33 00-0001 Residential Wall Heaters (23 83 33)

23 83 33 00-0002 EA 750 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	523.00	137.30
23 83 33 00-0003 EA 1,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	523.00	137.30
23 83 33 00-0004 EA 1,250 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	585.10	137.30
23 83 33 00-0005 EA 1,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	585.10	137.30
23 83 33 00-0006 EA 2,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	597.52	137.30
23 83 33 00-0007 EA 2,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	597.52	137.30
23 83 33 00-0008 EA 3,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	647.20	137.30
23 83 33 00-0009 EA 4,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	672.04	137.30

23 83 33 00-0010 Commercial Wall Heaters (23 83 33)

23 83 33 00-0011 EA 750 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	622.36	137.30
23 83 33 00-0012 EA 1,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	622.36	137.30
23 83 33 00-0013 EA 1,250 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	622.36	137.30
23 83 33 00-0014 EA 1,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	672.04	137.30
23 83 33 00-0015 EA 2,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	709.30	137.30
23 83 33 00-0016 EA 2,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	709.30	137.30
23 83 33 00-0017 EA 3,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	895.60	137.30
23 83 33 00-0018 EA 4,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	895.60	137.30

23 84 Humidity Control Equipment (23 80)

23 84 13 Humidifiers (23 84)

23 84 13 16 Wetted-Element Humidifiers (23 84 13)

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,051.56	509.74
23 84 13 16-0003 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	16,546.35	510.98

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,112.18	326.63
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	650.15	
23 84 13 23-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,112.18	326.63
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	650.15	
23 84 13 23-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,031.67	326.63
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	926.00	
23 84 13 23-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,155.40	408.29
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	967.24	
23 84 13 23-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,543.56	326.63
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,379.56	
23 84 13 23-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,667.29	408.29
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	1,420.81	
23 84 13 23-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,029.61	408.29
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	2,129.50	
23 84 13 23-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,184.26	510.98
For Electrically Controlled Unit, Add	700.00	
For Each Additional Manifold, Add	2,181.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 84 Humidity Control Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)

23 84 13 29-0001		Residential Humidifiers (23 84 13 29)		
		Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type.....	610.89	61.86

23 84 16 Mechanical Dehumidification Units (23 84)**23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)**

23 84 16 16-0001		Mechanical Dehumidification Units (23 84 16 16)		
		Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	2,335.74	68.65
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"6" Duct Connection, Refrigerant Dehumidifier	2,937.73	80.08
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"6" Duct Connection, Refrigerant Dehumidifier	3,935.45	91.54

23 84 16 33 Portable Dehumidifiers (23 84 16)

23 84 16 33-0001		Self Contained Free Standing Unit (23 84 16 33)		
		Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	545.10	148.51
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	652.37	148.51
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier.....	716.74	148.51

END OF SECTION 23



Heating, Ventilating, and Air-Conditioning (HVAC)		23	23
Decentralized Unitary HVAC Equipment		23 80	
Humidity Control Equipment		23 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical

Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

See CSI section 26 01 20 00-0000 for test.

26 01 10 91-0001		Retrofit Distribution Enclosures ^(26 01 10 91)		
		Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	482.60	
		Note: 2mm thick, aluminum frame, hinged cover.		
		For Up To 20, Add	101.80	
		For >20 To 50, Add	81.44	
		For >50 To 100, Add	40.72	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	628.55	
		Note: 2mm thick, aluminum frame, hinged cover.		
		For Up To 20, Add	138.28	
		For >20 To 50, Add	110.63	
		For >50 To 100, Add	55.31	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	949.62	
		Note: 4mm thick, aluminum frame, hinged cover.		
		For Up To 20, Add	218.55	
		For >20 To 50, Add	174.84	
		For >50 To 100, Add	87.42	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	481.01	
		Note: 2mm thick, aluminum frame, twist cover.		
		For Up To 20, Add	101.40	
		For >20 To 50, Add	81.12	
		For >50 To 100, Add	40.56	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	616.66	
		Note: 2mm thick, aluminum frame, twist cover.		
		For Up To 20, Add	135.31	
		For >20 To 50, Add	108.25	
		For >50 To 100, Add	54.12	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	923.23	
		Note: 4mm thick, aluminum frame, twist cover.		
		For Up To 20, Add	211.95	
		For >20 To 50, Add	169.56	
		For >50 To 100, Add	84.78	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFRR)	377.52	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		For Up To 20, Add	75.53	
		For >20 To 50, Add	60.42	
		For >50 To 100, Add	30.21	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFRR)	535.14	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		For Up To 20, Add	114.93	
		For >20 To 50, Add	91.94	
		For >50 To 100, Add	45.97	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFRR)	765.01	
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
		For Up To 20, Add	172.40	
		For >20 To 50, Add	137.92	
		For >50 To 100, Add	68.96	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	696.80	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	155.35	
		For >20 To 50, Add	124.28	
		For >50 To 100, Add	62.14	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	960.51	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	221.27	
		For >20 To 50, Add	177.02	
		For >50 To 100, Add	88.51	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,765.96	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	422.64	
		For >20 To 50, Add	338.11	
		For >50 To 100, Add	169.05	

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA		3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	801.62	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	181.55	
			For >20 To 50, Add	145.24	
			For >50 To 100, Add	72.62	
26 01 10 91-0015	EA		4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,183.45	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	277.01	
			For >20 To 50, Add	221.61	
			For >50 To 100, Add	110.80	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001			Lock Out/Tag Out Devices <small>(26 01 20 91)</small>		
			Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002	EA		Lock Out/Tag Out Local Disconnect	44.19	
			Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01 20 91-0003	EA		Lock Out/Tag Out Breaker Or Motor Starter	44.19	
			Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01 20 91-0004	EA		Lock Out Padlock Device.....	12.27	
			Note: Includes the installation and removal of pad lock when required		
26 01 20 91-0005	EA		Lock Out Tags	5.09	
			Note: Includes filling out tag information, installation and removal of identifying tags.		
26 01 20 91-0006			Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01 20 91-0007	EA		Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device.....	25.51	
26 01 20 91-0008	EA		Lighting, Existing Circuit Tracing Per Circuit.....	25.51	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment (26 01)

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration (26 01)

26 01 30 91-0001			Emergency Generator Permits <small>(26 01 30 91)</small>		
26 01 30 91-0002			Air Pollution Control Board <small>(26 01 30 91-0001)</small>		
26 01 30 91-0003	EA		APCD Permit To Construct And Operate Emergency Generator.....	4,905.32	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001			Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
			Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.		
26 01 50 51-0002			Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003	EA		300 Watt, T3, Tungsten Halogen Lamp	50.18	
26 01 50 51-0004	EA		500 Watt, T3, Tungsten Halogen Lamp	64.33	
26 01 50 51-0005	EA		1,000 Watt, T3, Tungsten Halogen Lamp	95.54	
26 01 50 51-0006	EA		60 Watt, PAR38, Halogen Lamp	25.51	
26 01 50 51-0007	EA		75 Watt, PAR38, Halogen Lamp	25.51	
26 01 50 51-0008	EA		90 Watt, PAR38, Halogen Lamp	24.24	
26 01 50 51-0009	EA		100 Watt, PAR38, Halogen Lamp	24.24	
26 01 50 51-0010	EA		60 Watt, PAR38, Halogen IR Reflective Lamp.....	37.48	
26 01 50 51-0011	EA		67 Watt, PAR38, Halogen IR Reflective Lamp.....	41.21	
26 01 50 51-0012	EA		70 Watt, PAR38, Halogen IR Reflective Lamp.....	40.25	
26 01 50 51-0013	EA		90 Watt, PAR38, Halogen IR Reflective Lamp.....	43.10	
26 01 50 51-0014	EA		100 Watt, PAR38, Halogen IR Reflective Lamp.....	43.70	
26 01 50 51-0015	EA		12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10).....	22.03	
26 01 50 51-0016	EA		12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20).....	22.03	
26 01 50 51-0017	EA		12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25).....	24.03	
26 01 50 51-0018	EA		12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36).....	24.03	
26 01 50 51-0019			Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0020	EA		100 Watt, Frosted, Interior Incandescent Lamp	6.93	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-2.03	
26 01 50 51-0021	EA		150 Watt, Frosted, Interior Incandescent Lamp	8.53	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-2.03	
26 01 50 51-0022	EA		200 Watt, Frosted, Interior Incandescent Lamp	10.32	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0023 EA 300 Watt, PS25, Interior Incandescent Lamp	12.58	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.03	
26 01 50 51-0024 EA 60 Watt, G25, Clear, Interior Incandescent Lamp	9.54	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.03	
26 01 50 51-0025 EA 75 Watt, R20, Interior Incandescent Lamp	14.94	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.44	
26 01 50 51-0026 EA 75 Watt, PAR38, Exterior Incandescent Lamp	18.11	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.44	
26 01 50 51-0027 EA 100 Watt, PAR38, Exterior Incandescent Lamp	16.84	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.44	
26 01 50 51-0028 EA 150 Watt, PAR38, Exterior Incandescent Lamp	28.83	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.44	
26 01 50 51-0029 EA 250 Watt, PAR38, Exterior Incandescent Lamp	59.11	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.84	
26 01 50 51-0030 EA 300 Watt, PAR56, Exterior Incandescent Lamp	67.91	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.84	
 26 01 50 51-0031 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0032 EA Convert Exit Light Lamps To Red LED Lamps	115.06	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033 EA Fluorescent Lamp For Exit Light	32.57	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-8.13	
26 01 50 51-0034 EA Lamp Replacement For Emergency Lights On Exit Sign	41.02	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.07	
 26 01 50 51-0035 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0036 EA 18", 15 Watt, T8 Fluorescent Lamp	12.92	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0037 EA 2', 17 Watt, T8 Fluorescent Lamp	15.57	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0038 EA 3', 25 Watt, T8 Fluorescent Lamp	17.89	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0039 EA 4', 32 Watt, T8 Fluorescent Lamp	17.86	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0040 EA 4', 30 Watt, T8 Fluorescent Lamp	22.46	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0041 EA 4', 28 Watt, T8 Fluorescent Lamp	19.67	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0042 EA 4', 25 Watt, T8 Fluorescent Lamp	19.56	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0043 EA 4', 44 Watt, T8HO Fluorescent Lamp	31.55	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0044 EA 8', 59 Watt, T8 Fluorescent Lamp	24.02	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0045 EA 18", 15 Watt, T12 Fluorescent Lamp	19.60	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0046 EA 2', 20 Watt, T12 Fluorescent Lamp	14.81	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0047 EA 3', 30 Watt, T12 Fluorescent Lamp	16.63	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0048 EA 4', 34 Watt, T12 Fluorescent Lamp	16.71	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0049 EA 4', 40 Watt, T12 Fluorescent Lamp	16.37	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0050 EA 8', 60 Watt, T12 Fluorescent Lamp	24.63	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0051 EA 8', 75 Watt, T12 Fluorescent Lamp	20.78	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0052 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp	35.83	
26 01 50 51-0053 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	19.83	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0054 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	16.29	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0055 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	15.75	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0056 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	17.44	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0057 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	28.90	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.07	
26 01 50 51-0058 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	27.85	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.07	
26 01 50 51-0059 EA 6", 4 Watt, T5 Fluorescent Lamp	14.35	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0060 EA 9", 6 Watt, T5 Fluorescent Lamp	14.11	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0061 EA 12", 8 Watt, T5 Fluorescent Lamp	14.57	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0062 EA 21", 13 Watt, T5 Fluorescent Lamp	15.25	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0063 EA 24", 14 Watt, T5 Fluorescent Lamp	17.59	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0064 EA 34", 21 Watt, T5 Fluorescent Lamp	19.13	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0065 EA 46", 28 Watt, T5 Fluorescent Lamp	18.52	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0066 EA 46", 54 Watt, T5HO Fluorescent Lamp	20.28	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0067 EA 46", 54 Watt T5 Fluorescent Lamp	17.35	
26 01 50 51-0068 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp	11.38	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.03	
26 01 50 51-0069 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp	12.60	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.03	
26 01 50 51-0070 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp	26.02	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.03	
26 01 50 51-0071 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	33.90	
26 01 50 51-0072 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	33.90	
26 01 50 51-0073 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	64.14	
26 01 50 51-0074 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	23.18	
26 01 50 51-0075 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.88	
26 01 50 51-0076 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.23	
26 01 50 51-0077 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.74	
26 01 50 51-0078 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	44.94	
26 01 50 51-0079 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	49.04	
26 01 50 51-0080 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	93.60	
26 01 50 51-0081 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	112.17	
26 01 50 51-0082 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	115.94	
26 01 50 51-0083 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	41.86	
26 01 50 51-0084 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.68	
26 01 50 51-0085 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	50.48	
26 01 50 51-0086 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0087 EA 50 Watt, Pulse Start Metal Halide Lamp	49.94	
26 01 50 51-0088 EA 70 Watt, Pulse Start Metal Halide Lamp	47.77	
26 01 50 51-0089 EA 100 Watt, Pulse Start Metal Halide Lamp	54.63	
26 01 50 51-0090 EA 150 Watt, Pulse Start Metal Halide Lamp	53.07	
26 01 50 51-0091 EA 175 Watt, Pulse Start Metal Halide Lamp	52.62	
26 01 50 51-0092 EA 250 Watt, Pulse Start Metal Halide Lamp	52.93	
26 01 50 51-0093 EA 400 Watt, Pulse Start Metal Halide Lamp	63.87	
26 01 50 51-0094 EA 1,000 Watt, Pulse Start Metal Halide Lamp	74.35	
26 01 50 51-0095 EA 1,500 Watt, Pulse Start Metal Halide Lamp	73.92	
26 01 50 51-0096 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0097 EA 35 Watt, High Pressure Sodium Lamp	41.10	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.13	
26 01 50 51-0098 EA 50 Watt, High Pressure Sodium Lamp	41.10	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.13	
26 01 50 51-0099 EA 70 Watt, High Pressure Sodium Lamp	42.03	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.13	
26 01 50 51-0100 EA 100 Watt, High Pressure Sodium Lamp	43.81	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.13	
26 01 50 51-0101 EA 150 Watt, High Pressure Sodium Lamp	42.03	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.13	
26 01 50 51-0102 EA 250 Watt, High Pressure Sodium Lamp	42.03	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.13	
26 01 50 51-0103 EA 400 Watt, High Pressure Sodium Lamp	39.38	
<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.13	
26 01 50 51-0104 EA 1,000 Watt, High Pressure Sodium Lamp	92.04	
26 01 50 51-0105 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0106 EA 35 Watt, Low Pressure Sodium Lamp	105.51	
26 01 50 51-0107 EA 55 Watt, Low Pressure Sodium Lamp	117.81	
26 01 50 51-0108 EA 70 Watt, Low Pressure Sodium Lamp	120.58	
26 01 50 51-0109 EA 90 Watt, Low Pressure Sodium Lamp	123.36	
26 01 50 51-0110 EA 135 Watt, Low Pressure Sodium Lamp	134.44	
26 01 50 51-0111 EA 180 Watt, Low Pressure Sodium Lamp	184.31	
26 01 50 51-0112 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0113 LED Lamps, Candelabra Base, CA10 (26 01 50 51-0112)		
26 01 50 51-0114 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	16.38	
26 01 50 51-0115 LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0112)		
26 01 50 51-0116 EA 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	21.75	
26 01 50 51-0117 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	21.75	
26 01 50 51-0118 EA 14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	36.16	
26 01 50 51-0119 EA 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	25.39	
26 01 50 51-0120 EA 18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	45.17	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0121		LED Lamps, Medium Base, BR30 Or BR40 <small>(26 01 50 51-0112)</small>		
26 01 50 51-0122	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	29.42	
26 01 50 51-0123	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	26.37	
26 01 50 51-0124	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	34.46	
26 01 50 51-0125	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	29.08	
26 01 50 51-0126	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	38.07	
26 01 50 51-0127	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	29.08	
26 01 50 51-0128		LED Lamps, Medium Base, PAR <small>(26 01 50 51-0112)</small>		
26 01 50 51-0129	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	32.30	
26 01 50 51-0130	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	43.49	
26 01 50 51-0131	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	43.49	
26 01 50 51-0132	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	41.69	
26 01 50 51-0133	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	39.89	
26 01 50 51-0134	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	39.89	
26 01 50 51-0135	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	76.28	
26 01 50 51-0136	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	43.49	
26 01 50 51-0137	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	41.69	
26 01 50 51-0138	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	43.49	
26 01 50 51-0139	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	43.49	
26 01 50 51-0140		LED Lamps, GU Base, MR16 <small>(26 01 50 51-0112)</small>		
26 01 50 51-0141	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	22.77	
26 01 50 51-0142	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	29.42	
26 01 50 51-0143	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	32.30	
26 01 50 51-0144		LED Lamps, PL Series <small>(26 01 50 51-0112)</small>		
26 01 50 51-0145	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	16.12	
26 01 50 51-0146	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR).....	21.52	
26 01 50 51-0147	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....	18.52	
26 01 50 51-0148	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....	20.40	
26 01 50 51-0149	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....	20.40	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR).....	23.77	
26 01 50 51-0151	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR).....	20.40	
26 01 50 51-0152	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR).....	20.40	
26 01 50 51-0153	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR).....	20.40	
26 01 50 51-0154	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR).....	20.40	
26 01 50 51-0155	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....	22.65	
26 01 50 51-0156	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....	22.65	
26 01 50 51-0157	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....	22.65	
26 01 50 51-0158	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....	22.65	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR).....	21.52	
26 01 50 51-0160	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR).....	21.52	
26 01 50 51-0161	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR).....	21.52	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR).....	22.27	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR).....	22.27	
26 01 50 51-0164	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	22.44	
26 01 50 51-0165	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	22.44	
26 01 50 51-0166	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	22.44	
26 01 50 51-0167	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	22.44	
26 01 50 51-0168	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	23.02	
26 01 50 51-0169	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	23.02	
26 01 50 51-0170	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	23.02	
26 01 50 51-0171	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	23.02	
26 01 50 51-0172	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	23.02	
26 01 50 51-0173	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	23.02	
26 01 50 51-0174	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	23.02	
26 01 50 51-0175	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	23.02	
26 01 50 51-0176	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	28.88	
26 01 50 51-0177	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	28.88	
26 01 50 51-0178	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	28.88	
26 01 50 51-0179	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	27.53	
26 01 50 51-0180	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	27.53	
26 01 50 51-0181	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	27.53	
26 01 50 51-0182	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	26.39	
26 01 50 51-0183		HID LED Lamps, Medium Base E26 <small>(26 01 50 51-0112)</small>		
26 01 50 51-0184	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	53.40	
26 01 50 51-0185	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	53.40	
26 01 50 51-0186	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	67.26	
26 01 50 51-0187	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	67.26	
26 01 50 51-0188	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	48.13	
26 01 50 51-0189	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	48.13	
26 01 50 51-0190	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	48.13	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0191	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	48.13	
26 01 50 51-0192	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	49.63	
26 01 50 51-0193	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	49.63	
26 01 50 51-0194	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	49.63	
26 01 50 51-0195	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	49.63	
26 01 50 51-0196	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	55.63	
26 01 50 51-0197	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	55.63	
26 01 50 51-0198	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	55.63	
26 01 50 51-0199	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	55.63	
26 01 50 51-0200	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	63.13	
26 01 50 51-0201	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	63.13	
26 01 50 51-0202	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	63.13	
26 01 50 51-0203	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	63.13	
26 01 50 51-0204	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	79.62	
26 01 50 51-0205	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	79.62	
26 01 50 51-0206	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	79.62	
26 01 50 51-0207	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	79.62	
26 01 50 51-0208	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	93.87	
26 01 50 51-0209	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	93.87	
26 01 50 51-0210	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	93.87	
26 01 50 51-0211	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	93.87	
26 01 50 51-0212	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	103.62	
26 01 50 51-0213	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	103.62	
26 01 50 51-0214	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	103.62	
26 01 50 51-0215	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	103.62	
26 01 50 51-0216	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	138.86	
26 01 50 51-0217	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	138.86	
26 01 50 51-0218	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	138.86	
26 01 50 51-0219	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	138.86	
26 01 50 51-0220	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	143.36	
26 01 50 51-0221	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	143.36	
26 01 50 51-0222	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	143.36	
26 01 50 51-0223	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	143.36	
26 01 50 51-0224	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	169.60	
26 01 50 51-0225	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	169.60	
26 01 50 51-0226	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	169.60	
26 01 50 51-0227	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	169.60	
26 01 50 51-0228	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	201.09	
26 01 50 51-0229	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	201.09	
26 01 50 51-0230	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	201.09	
26 01 50 51-0231	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	201.09	
26 01 50 51-0232	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6)	65.74	
26 01 50 51-0233	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6)	70.99	
26 01 50 51-0234	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5)	70.99	
26 01 50 51-0235	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5)	65.74	
26 01 50 51-0236	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5)	82.23	
26 01 50 51-0237	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5)	75.49	
26 01 50 51-0238	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5)	90.48	
26 01 50 51-0239	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5)	89.60	
26 01 50 51-0240	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5)	91.61	
26 01 50 51-0241	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5)	91.61	
26 01 50 51-0242	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7)	56.01	
26 01 50 51-0243	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7)	56.01	
26 01 50 51-0244	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7)	62.95	
26 01 50 51-0245	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7)	62.95	
26 01 50 51-0246	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT40KMED-G7)	67.56	
26 01 50 51-0247	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT50KMED-G7)	67.56	
26 01 50 51-0248	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT40KMED-G7)	74.49	
26 01 50 51-0249	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT50KMED-G7)	74.49	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	74.85	
26 01 50 51-0251	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	81.00	
26 01 50 51-0252	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	100.42	
26 01 50 51-0253	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	110.46	
26 01 50 51-0254	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	44.26	
26 01 50 51-0255	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	49.65	
26 01 50 51-0256	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	52.35	
26 01 50 51-0257	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	57.38	
26 01 50 51-0258	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	68.71	
26 01 50 51-0259	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	80.25	
26 01 50 51-0260	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	109.09	
26 01 50 51-0261	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	114.86	
26 01 50 51-0262	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	124.09	
26 01 50 51-0263	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	129.85	
26 01 50 51-0264	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	186.38	
26 01 50 51-0265	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-10D-20W-E26-50K)	64.16	

26 01 50 51-0266 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0112)

26 01 50 51-0267	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	178.75	
26 01 50 51-0268	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	178.75	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0269	EA			120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39).....	178.75	
26 01 50 51-0270	EA			27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39).....	53.40	
26 01 50 51-0271	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R).....	53.40	
26 01 50 51-0272	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39).....	53.40	
26 01 50 51-0273	EA			45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39).....	67.26	
26 01 50 51-0274	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R).....	67.26	
26 01 50 51-0275	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39).....	67.26	
26 01 50 51-0276	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39).....	123.50	
26 01 50 51-0277	EA			80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039).....	138.86	
26 01 50 51-0278	EA			80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039).....	138.86	
26 01 50 51-0279	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039).....	138.86	
26 01 50 51-0280	EA			80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039).....	138.86	
26 01 50 51-0281	EA			100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039).....	143.36	
26 01 50 51-0282	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039).....	143.36	
26 01 50 51-0283	EA			100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039).....	143.36	
26 01 50 51-0284	EA			100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039).....	143.36	
26 01 50 51-0285	EA			120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039).....	169.60	
26 01 50 51-0286	EA			120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039).....	169.60	
26 01 50 51-0287	EA			120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039).....	169.60	
26 01 50 51-0288	EA			120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039).....	169.60	
26 01 50 51-0289	EA			150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039).....	201.09	
26 01 50 51-0290	EA			150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039).....	201.09	
26 01 50 51-0291	EA			150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039).....	201.09	
26 01 50 51-0292	EA			150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039).....	201.09	
26 01 50 51-0293	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5).....	70.99	
26 01 50 51-0294	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5).....	70.99	
26 01 50 51-0295	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5).....	82.23	
26 01 50 51-0296	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5).....	81.20	
26 01 50 51-0297	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5).....	90.48	
26 01 50 51-0298	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5).....	89.60	
26 01 50 51-0299	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5).....	91.61	
26 01 50 51-0300	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5).....	89.00	
26 01 50 51-0301	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5).....	190.95	
26 01 50 51-0302	EA			20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7).....	70.96	
26 01 50 51-0303	EA			20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7).....	70.96	
26 01 50 51-0304	EA			30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7).....	80.29	
26 01 50 51-0305	EA			30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7).....	80.29	
26 01 50 51-0306	EA			40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7).....	85.90	
26 01 50 51-0307	EA			40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7).....	85.90	
26 01 50 51-0308	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7).....	55.92	
26 01 50 51-0309	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7).....	55.92	
26 01 50 51-0310	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7).....	62.95	
26 01 50 51-0311	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7).....	62.95	
26 01 50 51-0312	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7).....	67.56	
26 01 50 51-0313	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7).....	67.56	
26 01 50 51-0314	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7).....	74.49	
26 01 50 51-0315	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7).....	74.49	
26 01 50 51-0316	EA			65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	132.88	
26 01 50 51-0317	EA			80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	153.43	
26 01 50 51-0318	EA			100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	182.67	
26 01 50 51-0319	EA			120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	354.87	
26 01 50 51-0320	EA			150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	335.20	
26 01 50 51-0321	EA			200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	354.87	
26 01 50 51-0322	EA			250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	356.40	
26 01 50 51-0323	EA			24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	55.58	
26 01 50 51-0324	EA			24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	55.58	
26 01 50 51-0325	EA			24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	55.58	
26 01 50 51-0326	EA			100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	162.03	
26 01 50 51-0327	EA			115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	410.36	
26 01 50 51-0328	EA			40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	168.07	
26 01 50 51-0329	EA			100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	197.77	
26 01 50 51-0330	EA			45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K).....	87.91	
26 01 50 51-0331	EA			40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	286.09	
26 01 50 51-0332				LED Lamps, 2G11 Base (26 01 50 51-0112)		
26 01 50 51-0333	EA			19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR).....	48.15	
26 01 50 51-0334				LED Lamps, GX23 Or G23 Base (26 01 50 51-0112)		
26 01 50 51-0335	EA			5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	23.69	
26 01 50 51-0336				LED Lamps, G24 Base (26 01 50 51-0112)		
26 01 50 51-0337	EA			5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R).....	30.78	
26 01 50 51-0338				LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0112)		

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0339 EA 2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	42.23	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0340 EA 2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	54.97	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0341 EA 3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	45.50	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.46	
26 01 50 51-0342 EA 4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	49.83	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0343 EA 4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	54.61	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0344 EA 4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	34.29	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0345 EA 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN).....	33.06	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0346 EA 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	30.10	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.25	
26 01 50 51-0347 EA 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	30.62	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.46	
26 01 50 51-0348 EA 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	30.61	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0349 EA 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	31.74	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.66	
26 01 50 51-0350 Filament LED Lamps (26 01 50 51-0112)		
26 01 50 51-0351 EA 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827).....	17.88	
26 01 50 51-0352 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R).....	17.88	
26 01 50 51-0353 EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	17.13	
26 01 50 51-0354 EA 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	17.13	
26 01 50 51-0355 EA 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827).....	18.33	
26 01 50 51-0356 EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A).....	18.33	
26 01 50 51-0357 EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827).....	15.63	
26 01 50 51-0358 EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	15.63	
26 01 50 51-0359 EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	16.08	
26 01 50 51-0360 EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A).....	19.38	
26 01 50 51-0361 EA 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	22.97	
26 01 50 51-0362 Other Lamps (26 01 50 51-0112)		
26 01 50 51-0363 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1).....	17.01	
26 01 50 51-0364 EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	17.01	
26 01 50 51-0365 EA 11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	17.01	
26 01 50 51-0366 EA 12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	17.76	
26 01 50 51-0367 EA 13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	17.76	
26 01 50 51-0368 EA 8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	17.76	
26 01 50 51-0369 LED Lamps, Light Engines, Round, LER Series (26 01 50 51-0112)		
26 01 50 51-0370 EA 5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	55.42	
26 01 50 51-0371 EA 9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	31.81	
26 01 50 51-0372 Remove Hazardous Lamps From Fixture For Recycling (26 01 50 51)		
Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0381 for recycling hazardous lamps.		
26 01 50 51-0373 EA Removal Of 2' Length Linear Fluorescent Lamps.....	4.31	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.42	
26 01 50 51-0374 EA Removal Of 3' Length Linear Fluorescent Lamps.....	4.93	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.63	
26 01 50 51-0375 EA Removal Of 4' Length Linear Fluorescent Lamps.....	5.54	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.83	
26 01 50 51-0376 EA Removal Of 6' Length Linear Fluorescent Lamps.....	6.16	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.03	
26 01 50 51-0377 EA Removal Of 8' Length Linear Fluorescent Lamps.....	6.77	
<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.23	
26 01 50 51-0378 EA Removal Of Compact Fluorescent Lamps.....	3.69	
<i>For >25 To 40, Deduct</i>	-0.37	
<i>For >40, Deduct</i>	-0.74	
26 01 50 51-0379 EA Removal Of U-Shaped Or Circular Fluorescent Lamps.....	5.86	
<i>For >25 To 40, Deduct</i>	-0.59	
<i>For >40, Deduct</i>	-1.17	
26 01 50 51-0380 EA Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps.....	10.47	
<i>For >25 To 40, Deduct</i>	-1.05	
<i>For >40, Deduct</i>	-2.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0381 Recycle Hazardous Lamps <small>(26 01 50 51)</small>		
<small>Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.</small>		
26 01 50 51-0382 EA Recycle 2' Length Linear Fluorescent Lamps	1.73	
26 01 50 51-0383 EA Recycle 3' Length Linear Fluorescent Lamps	2.22	
26 01 50 51-0384 EA Recycle 4' Length Linear Fluorescent Lamps	2.71	
26 01 50 51-0385 EA Recycle 6' Length Linear Fluorescent Lamps	3.83	
26 01 50 51-0386 EA Recycle 8' Length Linear Fluorescent Lamps	4.80	
26 01 50 51-0387 EA Recycle Compact Fluorescent Lamps	4.42	
26 01 50 51-0388 EA Recycle U-Shaped Or Circular Fluorescent Lamps	4.42	
26 01 50 51-0389 EA Recycle High Intensity Discharge (HID) Lamps	6.99	
 26 01 50 52 Ballasts Replacement <small>(26 01 50)</small>		
26 01 50 52-0001 Lighting Ballasts <small>(26 01 50 52)</small>		
<small>Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.</small>		
26 01 50 52-0002 Fluorescent Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0003 T5 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0004 T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
<small>Note: Includes 120/277 Volt and normal ballast factor.</small>		
26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0006 EA 1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	133.08	24.64
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	7.39	
<small>For High Ballast Factor, Add</small>		
	7.61	
26 01 50 52-0007 EA 2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	139.24	30.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	9.24	
<small>For High Ballast Factor, Add</small>		
	7.61	
 26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0009 EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	133.08	24.64
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	7.39	
<small>For High Ballast Factor, Add</small>		
	7.61	
26 01 50 52-0010 EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	139.24	30.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	9.24	
<small>For High Ballast Factor, Add</small>		
	7.61	
 26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0012 EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	133.08	24.64
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	7.39	
<small>For High Ballast Factor, Add</small>		
	7.61	
26 01 50 52-0013 EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	139.24	30.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	9.24	
<small>For High Ballast Factor, Add</small>		
	7.61	
 26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0015 EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	133.08	24.64
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	7.39	
26 01 50 52-0016 EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	139.24	30.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	9.24	
 26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>		
26 01 50 52-0018 EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	132.92	24.64
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	7.39	
26 01 50 52-0019 EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	139.08	30.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	9.24	
26 01 50 52-0020 EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	190.78	36.96
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	11.09	
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	196.95	43.13
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	12.94	
 26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
<small>Note: Includes 120/277 Volt and normal ballast factor.</small>		
26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	111.45	24.64
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	7.39	
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	117.61	30.80
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	9.24	
 26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	146.02	24.64
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	7.39	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.18 9.24	30.80
26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.02 7.39	24.64
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.18 9.24	30.80
26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.45 7.39	24.64
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.61 9.24	30.80
26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.45 9.24	30.80
26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041 EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	473.52 7.39	24.64
26 01 50 52-0042 EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	466.61 9.24	30.80
26 01 50 52-0043 T8 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0044 T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small> Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0046 EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	57.75 7.39 18.52	24.64
26 01 50 52-0047 EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	102.31 7.39 12.18	24.64
26 01 50 52-0048 EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	63.91 9.24 18.52	30.80
26 01 50 52-0049 EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	108.47 9.24 12.18	30.80
26 01 50 52-0050 EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	77.90 11.09 18.03	36.96
26 01 50 52-0051 EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	121.48 11.09 10.36	36.96
26 01 50 52-0052 EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	89.15 12.94 45.66	43.13
26 01 50 52-0053 EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	132.99 12.94 26.65	43.13
26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0055 EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	57.75 7.39 18.52	24.64
26 01 50 52-0056 EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	102.31 7.39 12.18	24.64
26 01 50 52-0057 EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	63.91 9.24 18.52	30.80
26 01 50 52-0058 EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	108.47 9.24 12.18	30.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0059 EA 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	77.90	36.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
For High Ballast Factor, Add	18.03	
26 01 50 52-0060 EA 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	121.48	36.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
For High Ballast Factor, Add	10.36	
26 01 50 52-0061 EA 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	89.15	43.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
For High Ballast Factor, Add	45.66	
26 01 50 52-0062 EA 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	132.99	43.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
For High Ballast Factor, Add	26.65	
26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0064 EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	57.75	24.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
For High Ballast Factor, Add	18.52	
26 01 50 52-0065 EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	102.31	24.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
For High Ballast Factor, Add	12.18	
26 01 50 52-0066 EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	63.91	30.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
For High Ballast Factor, Add	18.52	
26 01 50 52-0067 EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	108.47	30.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
For High Ballast Factor, Add	12.18	
26 01 50 52-0068 EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	77.90	36.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
For High Ballast Factor, Add	18.03	
26 01 50 52-0069 EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	121.48	36.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
For High Ballast Factor, Add	10.36	
26 01 50 52-0070 EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	89.15	43.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
For High Ballast Factor, Add	45.66	
26 01 50 52-0071 EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	132.99	43.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
For High Ballast Factor, Add	26.65	
26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0073 EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	57.75	24.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
For High Ballast Factor, Add	18.52	
26 01 50 52-0074 EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	102.31	24.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
For High Ballast Factor, Add	12.18	
26 01 50 52-0075 EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	63.91	30.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
For High Ballast Factor, Add	18.52	
26 01 50 52-0076 EA 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	108.47	30.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
For High Ballast Factor, Add	12.18	
26 01 50 52-0077 EA 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	77.90	36.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
For High Ballast Factor, Add	18.03	
26 01 50 52-0078 EA 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	121.48	36.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
For High Ballast Factor, Add	10.36	
26 01 50 52-0079 EA 4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	89.15	43.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
For High Ballast Factor, Add	45.66	
26 01 50 52-0080 EA 4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	132.99	43.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
For High Ballast Factor, Add	26.65	
26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0082 EA 1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	92.87	24.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
For High Ballast Factor, Add	7.92	
26 01 50 52-0083 EA 1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	102.31	24.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
For High Ballast Factor, Add	12.18	
26 01 50 52-0084 EA 2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	99.03	30.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
For High Ballast Factor, Add	7.92	
26 01 50 52-0085 EA 2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	108.47	30.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
For High Ballast Factor, Add	12.18	
26 01 50 52-0086 EA 3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	123.77	36.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
For High Ballast Factor, Add	4.87	

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0087 EA 3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.48 11.09	36.96
26 01 50 52-0088 EA 4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	129.94 12.94 4.87	43.13
26 01 50 52-0089 EA 4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.99 12.94	43.13
26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0091 EA 1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	111.45 7.39 16.97	24.64
26 01 50 52-0092 EA 2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	117.61 9.24 16.97	30.80
26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0095 EA 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.36 7.39	24.64
26 01 50 52-0096 EA 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.66 7.39	24.64
26 01 50 52-0097 EA 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.52 9.24	30.80
26 01 50 52-0098 EA 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.82 9.24	30.80
26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0100 EA 1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.36 7.39	24.64
26 01 50 52-0101 EA 1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.66 7.39	24.64
26 01 50 52-0102 EA 2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.52 9.24	30.80
26 01 50 52-0103 EA 2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.82 9.24	30.80
26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0105 EA 1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.36 7.39	24.64
26 01 50 52-0106 EA 1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.66 7.39	24.64
26 01 50 52-0107 EA 2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.52 9.24	30.80
26 01 50 52-0108 EA 2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.82 9.24	30.80
26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0110 EA 1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.36 7.39	24.64
26 01 50 52-0111 EA 1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.66 7.39	24.64
26 01 50 52-0112 EA 2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.52 9.24	30.80
26 01 50 52-0113 EA 2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.82 9.24	30.80
26 01 50 52-0114 Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
26 01 50 52-0115 Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114) Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116 17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0117 EA 1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.48 7.39	24.64
26 01 50 52-0118 EA 2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64 9.24	30.80
26 01 50 52-0119 EA 3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.12 11.09	36.96
26 01 50 52-0120 EA 4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.10 12.94	43.13
26 01 50 52-0121 EA 5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.34 14.79	49.29
26 01 50 52-0122 EA 6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.49 16.63	55.44

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0160	EA	1	Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.48 7.39	24.64
26 01 50 52-0161	EA	2	Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64 9.24	30.80
26 01 50 52-0162	EA	3	Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.75 11.09	36.96
26 01 50 52-0163	EA	4	Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.10 12.94	43.13
26 01 50 52-0164	EA	5	Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.81 14.79	49.29
26 01 50 52-0165	EA	6	Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.96 16.63	55.44
26 01 50 52-0166			28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0151)</small>		
26 01 50 52-0167	EA	1	Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.48 7.39	24.64
26 01 50 52-0168	EA	2	Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64 9.24	30.80
26 01 50 52-0169	EA	3	Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.75 11.09	36.96
26 01 50 52-0170	EA	4	Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.10 12.94	43.13
26 01 50 52-0171	EA	5	Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.81 14.79	49.29
26 01 50 52-0172	EA	6	Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.96 16.63	55.44
26 01 50 52-0173			32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0151)</small>		
26 01 50 52-0174	EA	1	Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.48 7.39	24.64
26 01 50 52-0175	EA	2	Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64 9.24	30.80
26 01 50 52-0176	EA	3	Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.75 11.09	36.96
26 01 50 52-0177	EA	4	Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.10 12.94	43.13
26 01 50 52-0178	EA	5	Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.81 14.79	49.29
26 01 50 52-0179	EA	6	Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.96 16.63	55.44
26 01 50 52-0180			40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0151)</small>		
26 01 50 52-0181	EA	1	Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.48 7.39	24.64
26 01 50 52-0182	EA	2	Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64 9.24	30.80
26 01 50 52-0183	EA	3	Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.75 11.09	36.96
26 01 50 52-0184	EA	4	Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.10 12.94	43.13
26 01 50 52-0185	EA	5	Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.81 14.79	49.29
26 01 50 52-0186	EA	6	Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.96 16.63	55.44
26 01 50 52-0187			Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0114)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188			17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0189	EA	1	Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.04 7.39	24.64
26 01 50 52-0190	EA	2	Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.20 9.24	30.80
26 01 50 52-0191	EA	3	Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.92 11.09	36.96
26 01 50 52-0192	EA	4	Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.09 12.94	43.13
26 01 50 52-0193			25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0194	EA	1	Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.04 7.39	24.64
26 01 50 52-0195	EA	2	Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.20 9.24	30.80
26 01 50 52-0196	EA	3	Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.92 11.09	36.96
26 01 50 52-0197	EA	4	Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.09 12.94	43.13



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0198		28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.04 7.39	24.64
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.20 9.24	30.80
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.92 11.09	36.96
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.09 12.94	43.13
26 01 50 52-0203		32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0187)</small>		
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.04 7.39	24.64
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.20 9.24	30.80
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.92 11.09	36.96
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.09 12.94	43.13
26 01 50 52-0208		T10 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0209		T10 Fluorescent Electronic Ballasts <small>(26 01 50 52-0208)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		40 Watt, T10 Fluorescent Electronic Ballasts <small>(26 01 50 52-0209)</small>		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.21 7.39	24.64
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.37 9.24	30.80
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.39 11.09	36.96
26 01 50 52-0214		T12 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0215		T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		25 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.75 7.39	24.64
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.21 7.39	24.64
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.91 9.24	30.80
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.37 9.24	30.80
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.90 11.09	36.96
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.15 12.94	43.13
26 01 50 52-0223		30 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.21 7.39	24.64
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.37 9.24	30.80
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.39 11.09	36.96
26 01 50 52-0227		34 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.21 7.39	24.64
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.37 9.24	30.80
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.39 11.09	36.96
26 01 50 52-0231		40 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.21 7.39	24.64
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.37 9.24	30.80
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.39 11.09	36.96

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0235			96 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	103.38	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39		
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	117.61	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 01 50 52-0238			High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0214)		
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0239			48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	135.82	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39		
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	141.98	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 01 50 52-0242			60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	135.82	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39		
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	141.98	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 01 50 52-0245			72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	135.82	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39		
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	141.98	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 01 50 52-0248			96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	135.82	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39		
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	141.98	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 01 50 52-0251			Emergency Fluorescent Ballasts (26 01 50 52-0002)		
		Note: 120/277 Volt.			
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	212.00	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29		
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60).....	352.17	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75		
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50).....	439.01	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75		
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A).....	323.14	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75		
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33).....	1,537.04	36.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.21		
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	445.69	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29		
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG).....	750.49	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75		
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG).....	410.41	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75		
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413).....	562.07	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29		
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463).....	434.60	24.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29		
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426).....	491.31	30.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53		
		<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0263 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500).....	532.16	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0264 EA 600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600).....	446.96	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0265 EA 600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700).....	454.16	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0266 EA 500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900).....	395.10	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0267 EA 300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C).....	410.41	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0268 EA 450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	401.46	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0269 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST).....	738.61	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0270 EA 1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST).....	924.93	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0271 EA 1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	1,735.40	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0272 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	1,203.88	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0273 EA 1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	609.61	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.53	
<i>For Factory Installation In New Fixtures, Deduct</i>	-51.75	
26 01 50 52-0274 EA 1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	792.14	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0275 EA 250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	4,455.10	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0276 LED Emergency Ballasts (26 01 50 52-0001)		
26 01 50 52-0277 EA Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	144.47	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0278 EA Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	215.07	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0279 EA Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	257.41	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0280 EA Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	287.64	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0281 EA Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	295.28	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0282 EA Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	383.77	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0283 EA Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	454.76	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<i>For Factory Installation In New Fixtures, Deduct</i>	-49.29	
26 01 50 52-0284 Compact Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0285 Compact Fluorescent Electronic Ballasts (26 01 50 52-0284)		
Note: Includes 120/277 Volt and normal ballast factor.		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0287 EA 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	125.77	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0288 EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	131.93	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0290 EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	125.77	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0291 EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	131.93	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0293 EA 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	156.38	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0294 EA 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	162.54	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0296 EA 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	122.11	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0297 EA 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	156.38	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0298 EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	231.11	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0299 EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	162.54	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0300 EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	273.09	36.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 01 50 52-0301 42 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0302 EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	156.38	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0303 EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	162.54	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0304 55 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0305 EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	156.38	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0306 EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	162.54	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0307 Dimming, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0284)</small>		
26 01 50 52-0308 Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0307)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0310 EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	234.66	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0311 EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	240.82	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0312 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0313 EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	234.66	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0314 EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	240.82	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0315 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0316 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	234.66	24.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 01 50 52-0317 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	257.72	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 01 50 52-0318 40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0319 EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast.....	257.72	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0320				42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0321	EA			1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast 234.66		24.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.39		
26 01 50 52-0322	EA			2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast 257.72		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.24		
26 01 50 52-0323				55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0324	EA			1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast 376.29		24.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.39		
26 01 50 52-0325	EA			2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast 422.20		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 9.24		
26 01 50 52-0326				High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0327				Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0326)</small>		
26 01 50 52-0328				Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0329				Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0330	EA			1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 167.46		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0331	EA			1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 171.48		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0332	EA			1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 171.48		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0333	EA			1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 160.03		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0334	EA			1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 160.03		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0335	EA			1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 236.74		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0336	EA			1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 236.74		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0337	EA			1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 304.31		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0338	EA			1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 338.77		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0339				High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340	EA			1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 151.57		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0341	EA			1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 160.56		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0342	EA			1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 156.68		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0343	EA			1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 183.70		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0344	EA			1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 179.84		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0345	EA			1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 204.91		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0346	EA			1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 204.91		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0347	EA			1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 246.61		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0348	EA			1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 246.61		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0349	EA			1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast 392.94		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0350	EA			1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast 392.94		30.80
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		
26 01 50 52-0351				Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352	EA			Single Mounting Bracket For Core And Coil Type 18.46		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.70		
26 01 50 52-0353	EA			Double Mounting Bracket For Core And Coil Type 30.82		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.54		
26 01 50 52-0354				F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0355				Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356	EA			1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast 211.74		30.80
				<i>For Pulse Start Ballast, Add</i> 16.86		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.94		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0357 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	222.89	30.80
<i>For Pulse Start Ballast, Add</i>	17.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0358 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	203.29	30.80
<i>For Pulse Start Ballast, Add</i>	16.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0359 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	235.50	30.80
<i>For Pulse Start Ballast, Add</i>	19.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0360 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	325.75	30.80
<i>For Pulse Start Ballast, Add</i>	28.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	254.00	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0363 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	271.39	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	420.66	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	646.29	30.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.89	
26 01 50 52-0369 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	720.40	30.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.89	
26 01 50 52-0370 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	694.76	30.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.89	
26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	517.20	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0374 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	586.59	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0375 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	773.75	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0376 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	769.72	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0377 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,077.34	33.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.68	
26 01 50 52-0378 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,077.34	33.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.68	
26 01 50 52-0379 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	742.18	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0380 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	872.62	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0381 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	962.31	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0383 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	916.34	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0384 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,176.97	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0385 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	1,176.97	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0386 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0387 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	580.79	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0389 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	627.11	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	
26 01 50 52-0390 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	622.55	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0391 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	653.58	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0392 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,036.87	33.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>13.68</i>	
26 01 50 52-0393 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,273.83	33.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>13.68</i>	
26 01 50 52-0394 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	967.70	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0395 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	881.30	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	748.86	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0398 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	807.28	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0399 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,203.93	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0400 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,036.34	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0326)</small>		
26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	233.95	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0404 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	233.95	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0405 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	263.23	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0406 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	673.55	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0407 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	673.55	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0408 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	673.55	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0409 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	673.55	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0410 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	673.55	30.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0411 Owner Supplied Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	24.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.39</i>	
26 01 50 52-0413 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	30.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>9.24</i>	
26 01 50 52-0414 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	35.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.72</i>	
26 01 50 52-0415 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	38.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.46</i>	
26 01 50 52-0416 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	43.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.94</i>	
26 01 50 52-0417 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	45.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>13.68</i>	
26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001 Lens and Accessory Replacement <small>(26 01 50 53)</small>		
26 01 50 53-0002 EA Removal And Replacement Of Parabolic Aluminum Louver.....	85.08	
26 01 50 53-0003 EA Removal And Replacement Of Visor For Fixtures.....	189.36	
26 01 50 53-0004 EA Removal And Replacement Of Globe On Pole.....	212.70	
26 01 50 53-0005 EA Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	90.19	
26 01 50 53-0006 EA Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	31.07	
26 01 50 53-0007 EA Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	32.12	
26 01 50 53-0008 EA Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	36.66	
26 01 50 53-0009 EA Removal And Replacement Of Slide-On Lampholder.....	13.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.68</i>	
26 01 50 53-0010 EA Removal And Replacement Of Screw Mount Lampholder.....	14.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.68</i>	
26 01 50 53-0011 EA Removal And Replacement Of Medium Bi-Pin Lampholder.....	15.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.68</i>	
26 01 50 53-0012 EA Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	17.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.68</i>	

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 53-0013	EA		Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	18.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 01 50 53-0014	EA		Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	15.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 01 50 53-0015	EA		Removal And Replacement Of Exterior Light Globes	60.83	

26 01 50 81 Luminaire Replacement (26 01 50)

26 01 50 81-0001			Retrofit Lighting Fixtures (26 01 50 81)		
26 01 50 81-0002			LED Lighting Retrofits For Existing Fixtures (26 01 50 81-0001)		
26 01 50 81-0003			LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) (26 01 50 81-0002)		
			Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0004	EA		7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	97.61	
26 01 50 81-0005	EA		7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	97.61	
26 01 50 81-0006	EA		7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	97.61	
26 01 50 81-0007	EA		4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	82.69	
26 01 50 81-0008	EA		4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	82.69	
26 01 50 81-0009	EA		4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	82.69	
26 01 50 81-0010	EA		6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	88.97	
26 01 50 81-0011	EA		6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	88.97	
26 01 50 81-0012	EA		6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	88.97	

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0014	EA		2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	268.91	
26 01 50 81-0015	EA		3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	278.34	
26 01 50 81-0016	EA		4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	287.77	
26 01 50 81-0017	EA		5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	299.64	
26 01 50 81-0018	EA		6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	327.14	
26 01 50 81-0019	EA		7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	339.03	
26 01 50 81-0020	EA		8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	364.95	
26 01 50 81-0021	EA		9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	374.38	
26 01 50 81-0022	EA		10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	386.27	
26 01 50 81-0023	EA		11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	403.55	
26 01 50 81-0024	EA		12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	422.50	
26 01 50 81-0025	EA		13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	440.57	
26 01 50 81-0026	EA		14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	449.99	
26 01 50 81-0027	EA		16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	465.71	
26 01 50 81-0028	EA		17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	485.11	
26 01 50 81-0029	EA		18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	504.75	
26 01 50 81-0030	EA		19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	534.60	
26 01 50 81-0031	EA		20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	547.96	
26 01 50 81-0032	EA		21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	571.62	
26 01 50 81-0033	EA		22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	602.26	
26 01 50 81-0034	EA		23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	617.97	
26 01 50 81-0035	EA		24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	656.21	
26 01 50 81-0036	EA		25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	690.78	
26 01 50 81-0037	EA		26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	715.23	
26 01 50 81-0038	EA		27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	749.01	
26 01 50 81-0039	EA		28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	815.10	
26 01 50 81-0040	EA		29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	822.96	
26 01 50 81-0041	EA		31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	843.92	

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0043	EA		20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35).....	119.50	
			Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0044	EA		20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40).....	119.50	
			Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0045	EA		20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50).....	119.50	
			Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0046	EA		30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35).....	123.43	
			Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0047	EA		2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40)	123.43	
			Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0048	EA		2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50)	123.43	
			Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0049	EA		2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35)	131.29	
			Note: Fits 2' x 4' Troffer/Strip		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0050 EA 2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40).....	131.29	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0051 EA 2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50).....	131.29	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0052 EA 3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35).....	123.43	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0053 EA 3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40).....	123.43	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0054 EA 3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50).....	123.43	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0055 EA 3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35).....	131.29	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0056 EA 3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40).....	131.29	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0057 EA 3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50).....	131.29	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0058 EA 3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35).....	147.00	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0059 EA 3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40).....	147.00	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0060 EA 3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50).....	147.00	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0061 EA 1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35).....	119.50	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0062 EA 1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40).....	119.50	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0063 EA 1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50).....	119.50	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 81-0064 EA 2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35).....	119.50	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0065 EA 2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40).....	119.50	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0066 EA 2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50).....	119.50	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0067 EA 3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35).....	123.43	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0068 EA 3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40).....	123.43	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0069 EA 3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50).....	123.43	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0070 EA 3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35).....	128.15	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0071 EA 3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40).....	128.15	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0072 EA 3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50).....	128.15	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 81-0073 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) <small>(26 01 50 81-0002)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074 EA 34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	248.40	
26 01 50 81-0075 EA 34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	248.40	
26 01 50 81-0076 EA 26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	225.62	
26 01 50 81-0077 EA 26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	225.62	
26 01 50 81-0078 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV).....	119.65	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0079 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV).....	119.65	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0080 EA 31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV).....	134.58	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0081 EA 31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV).....	134.58	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0082 EA 25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV).....	145.57	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0083 EA 25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV).....	145.57	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0084 EA 31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV).....	149.50	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0085 EA 31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV).....	149.50	
Note: Factory installed sensor and ZigBee dongle		
26 01 50 81-0086 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120).....	96.87	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0087 EA 2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120).....	96.87	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0088 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880).....	106.29	
Note: No sensor, ZigBee ready driver		
26 01 50 81-0089 EA 2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880).....	106.29	
Note: No sensor, ZigBee ready driver		

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0090	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L).....	99.22	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0091	EA		2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L).....	99.22	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0092	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L).....	108.65	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0093	EA		2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L).....	108.65	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0094	EA		6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450).....	98.44	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0095	EA		6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450).....	98.44	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0096	EA		8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000).....	105.51	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0097	EA		8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000).....	105.51	
			Note: No sensor, ZigBee ready driver		
26 01 50 81-0098			LED Lighting Retrofit Accessories (LG) <small>(26 01 50 81-0002)</small>		
			See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0099	EA		Dongle (LG LGE-DONGLE).....	25.09	
26 01 50 81-0100	EA		1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B).....	137.20	13.98
26 01 50 81-0101	EA		2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B).....	142.79	16.78
26 01 50 81-0102	EA		1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B).....	176.21	13.98
26 01 50 81-0103	EA		2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B).....	181.80	16.78
26 01 50 81-0104	EA		Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR).....	90.63	11.19
26 01 50 81-0105	EA		Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP).....	30.41	11.19
26 01 50 81-0106	EA		Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE).....	32.69	11.19
26 01 50 81-0107	EA		Wireless Interface Module (LG PIHN-W005A).....	85.26	16.78
			Note: includes dongle		
26 01 50 81-0108			Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 81-0001)</small>		
			Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.		
26 01 50 81-0109			Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 81-0108)</small>		
			Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	109.45	
			For Specular Ballast Cover, Add	13.30	
26 01 50 81-0111	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	116.01	
			For Specular Ballast Cover, Add	14.61	
26 01 50 81-0112	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	157.46	
			For Specular Ballast Cover, Add	22.90	
26 01 50 81-0113	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	181.05	
			For Specular Ballast Cover, Add	27.62	
26 01 50 81-0114			Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 81-0108)</small>		
			Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	115.54	
			For Specular Reflector, Add	14.52	
26 01 50 81-0116	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	122.83	
			For Specular Reflector, Add	15.97	
26 01 50 81-0117	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	165.99	
			For Specular Reflector, Add	24.61	
26 01 50 81-0118	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	213.01	
			For Specular Reflector, Add	34.01	
26 01 50 81-0119			Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 81-0108)</small>		
			Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120	EA		Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	143.66	
			For Specular Reflector, Add	17.69	
26 01 50 81-0121	EA		Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	150.22	
			For Specular Reflector, Add	19.00	
26 01 50 81-0122	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	153.42	
			For Specular Reflector, Add	19.64	
26 01 50 81-0123	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	171.85	
			For Specular Reflector, Add	23.32	
26 01 50 81-0124	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	209.74	
			For Specular Reflector, Add	30.90	
26 01 50 81-0125	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	157.54	
			For Specular Reflector, Add	20.46	
26 01 50 81-0126	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	173.14	
			For Specular Reflector, Add	23.58	
26 01 50 81-0127	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	186.01	
			For Specular Reflector, Add	26.16	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0128		Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 81-0001)</small>		
26 01 50 81-0129		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	164.45	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	164.45	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	164.45	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	178.28	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	164.45	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	164.45	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	164.45	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	178.28	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.48	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.48	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	165.48	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.30	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.48	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.48	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	165.48	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.30	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 81-0128)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	224.47	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	233.87	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	352.49	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	360.99	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	352.49	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	360.99	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	403.45	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	416.19	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	445.92	
26 01 50 81-0157		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 81-0128)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	326.50	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	338.35	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0160 EA 3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	341.90	
26 01 50 81-0161 EA 3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	353.75	
26 01 50 81-0162 EA 2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST).....	246.54	
26 01 50 81-0163 EA 4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST).....	252.17	
26 01 50 81-0164 EA 3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST).....	261.17	
26 01 50 81-0165 EA 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST).....	266.80	
26 01 50 81-0166 EA 6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST).....	329.82	
26 01 50 81-0167 EA 8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST).....	392.84	
26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) ^(26 01 50 81-0128) Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0169 EA 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	302.68	
26 01 50 81-0170 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	220.51	
26 01 50 81-0171 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	310.67	
26 01 50 81-0172 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	228.43	
26 01 50 81-0173 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	325.04	
26 01 50 81-0174 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	249.51	
26 01 50 81-0175 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	355.73	
26 01 50 81-0176 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	273.37	
26 01 50 81-0177 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	363.20	
26 01 50 81-0178 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	280.92	
26 01 50 81-0179 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	377.39	
26 01 50 81-0180 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	301.89	
26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) ^(26 01 50 81-0128) Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0182 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	651.14	
26 01 50 81-0183 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	723.56	
26 01 50 81-0184 Retrofit Existing HID Fixtures ^(26 01 50 81-0001)		
26 01 50 81-0185 EA Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P).....	1,475.11	
26 01 50 81-0186 LED Lighting Retrofits For Existing Fluorescent Fixtures ^(26 01 50 81-0001) Note: Excludes recycling or disposal of lamps and ballasts.		
26 01 50 81-0187 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) ^(26 01 50 81-0186)		
26 01 50 81-0188 EA 2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT).....	115.95	
For >25 To 50, Deduct	-5.80	
For >50 To 100, Deduct	-10.08	
For >100, Deduct	-17.12	
26 01 50 81-0189 EA 2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT).....	168.00	
For >25 To 50, Deduct	-8.40	
For >50 To 100, Deduct	-13.98	
For >100, Deduct	-22.32	
26 01 50 81-0190 EA 3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	126.09	
For >25 To 50, Deduct	-6.30	
For >50 To 100, Deduct	-10.91	
For >100, Deduct	-18.44	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
26 01 50 81-0191 EA 3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT).....	115.93	
<i>For >25 To 50, Deduct</i>	-5.80	
<i>For >50 To 100, Deduct</i>	-10.15	
<i>For >100, Deduct</i>	-17.42	
26 01 50 81-0192 EA 4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	151.59	
<i>For >25 To 50, Deduct</i>	-7.58	
<i>For >50 To 100, Deduct</i>	-12.90	
<i>For >100, Deduct</i>	-21.30	
26 01 50 81-0193 EA 4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	196.70	
<i>For >25 To 50, Deduct</i>	-9.84	
<i>For >50 To 100, Deduct</i>	-16.29	
<i>For >100, Deduct</i>	-25.81	
26 01 50 81-0194 EA 4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	125.27	
<i>For >25 To 50, Deduct</i>	-6.26	
<i>For >50 To 100, Deduct</i>	-10.93	
<i>For >100, Deduct</i>	-18.66	
26 01 50 81-0195 EA 4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	125.27	
<i>For >25 To 50, Deduct</i>	-6.26	
<i>For >50 To 100, Deduct</i>	-10.93	
<i>For >100, Deduct</i>	-18.66	
26 01 50 81-0196 EA 4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	160.61	
<i>For >25 To 50, Deduct</i>	-8.03	
<i>For >50 To 100, Deduct</i>	-13.58	
<i>For >100, Deduct</i>	-22.20	
26 01 50 81-0197 EA 4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	136.55	
<i>For >25 To 50, Deduct</i>	-6.83	
<i>For >50 To 100, Deduct</i>	-11.78	
<i>For >100, Deduct</i>	-19.79	
26 01 50 81-0198 EA 4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	136.55	
<i>For >25 To 50, Deduct</i>	-6.83	
<i>For >50 To 100, Deduct</i>	-11.78	
<i>For >100, Deduct</i>	-19.79	
26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) <small>(26 01 50 81-0186)</small>		
26 01 50 81-0200 EA 1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	274.55	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	179.91	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	116.95	
<i>For >25 To 50, Deduct</i>	-13.73	
<i>For >50 To 100, Deduct</i>	-22.13	
<i>For >100, Deduct</i>	-33.59	
26 01 50 81-0201 EA 1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	295.89	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	179.91	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	116.95	
<i>For >25 To 50, Deduct</i>	-14.79	
<i>For >50 To 100, Deduct</i>	-23.73	
<i>For >100, Deduct</i>	-35.73	
26 01 50 81-0202 EA 2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	311.84	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	179.91	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	116.95	
<i>For >25 To 50, Deduct</i>	-15.59	
<i>For >50 To 100, Deduct</i>	-24.92	
<i>For >100, Deduct</i>	-37.32	
26 01 50 81-0203 EA 2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	336.76	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	179.91	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	116.95	
<i>For >25 To 50, Deduct</i>	-16.84	
<i>For >50 To 100, Deduct</i>	-26.79	
<i>For >100, Deduct</i>	-39.81	
26 01 50 81-0204 EA 2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	361.31	
<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	179.91	
<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	116.95	
<i>For >25 To 50, Deduct</i>	-18.07	
<i>For >50 To 100, Deduct</i>	-28.94	
<i>For >100, Deduct</i>	-43.50	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0205	EA		2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	390.25	
			<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	179.91	
			<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	116.95	
			<i>For >25 To 50, Deduct</i>	-19.51	
			<i>For >50 To 100, Deduct</i>	-31.11	
			<i>For >100, Deduct</i>	-46.39	
26 01 50 81-0206			LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) <small>(26 01 50 81-0186)</small>		
			Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0207	EA		2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	106.64	
			Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-5.33	
			<i>For >50 To 100, Deduct</i>	-9.38	
			<i>For >100, Deduct</i>	-16.19	
26 01 50 81-0208	EA		2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	106.64	
			Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-5.33	
			<i>For >50 To 100, Deduct</i>	-9.38	
			<i>For >100, Deduct</i>	-16.19	
26 01 50 81-0209	EA		4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	140.32	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.02	
			<i>For >50 To 100, Deduct</i>	-12.06	
			<i>For >100, Deduct</i>	-20.17	
26 01 50 81-0210	EA		4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	140.32	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.02	
			<i>For >50 To 100, Deduct</i>	-12.06	
			<i>For >100, Deduct</i>	-20.17	
26 01 50 81-0211	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	140.43	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.02	
			<i>For >50 To 100, Deduct</i>	-12.07	
			<i>For >100, Deduct</i>	-20.18	
26 01 50 81-0212	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	153.09	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.65	
			<i>For >50 To 100, Deduct</i>	-13.02	
			<i>For >100, Deduct</i>	-21.45	
26 01 50 81-0213	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	140.43	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.02	
			<i>For >50 To 100, Deduct</i>	-12.07	
			<i>For >100, Deduct</i>	-20.18	
26 01 50 81-0214	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F).....	153.09	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.65	
			<i>For >50 To 100, Deduct</i>	-13.02	
			<i>For >100, Deduct</i>	-21.45	
26 01 50 81-0215	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40).....	140.43	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.02	
			<i>For >50 To 100, Deduct</i>	-12.07	
			<i>For >100, Deduct</i>	-20.18	
26 01 50 81-0216	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F).....	153.09	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.65	
			<i>For >50 To 100, Deduct</i>	-13.02	
			<i>For >100, Deduct</i>	-21.45	
26 01 50 81-0217	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50).....	140.43	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For >25 To 50, Deduct</i>	-7.02	
			<i>For >50 To 100, Deduct</i>	-12.07	
			<i>For >100, Deduct</i>	-20.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0218	EA			4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F) 153.09 Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-7.65	
				<i>For >50 To 100, Deduct</i>	-13.02	
				<i>For >100, Deduct</i>	-21.45	
26 01 50 81-0219	EA			4' Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50) 152.98 Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-7.65	
				<i>For >50 To 100, Deduct</i>	-13.01	
				<i>For >100, Deduct</i>	-21.44	
26 01 50 81-0220	EA			4' Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) 180.07 Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-9.00	
				<i>For >50 To 100, Deduct</i>	-15.04	
				<i>For >100, Deduct</i>	-24.14	
26 01 50 81-0221	EA			4' Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) 195.90 Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-9.80	
				<i>For >50 To 100, Deduct</i>	-16.23	
				<i>For >100, Deduct</i>	-25.73	
26 01 50 81-0222	EA			4' Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) 180.07 Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-9.00	
				<i>For >50 To 100, Deduct</i>	-15.04	
				<i>For >100, Deduct</i>	-24.14	
26 01 50 81-0223	EA			4' Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F) 195.90 Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-9.80	
				<i>For >50 To 100, Deduct</i>	-16.23	
				<i>For >100, Deduct</i>	-25.73	
26 01 50 81-0224	EA			20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800) 194.28 Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
				<i>For >25 To 50, Deduct</i>	-9.71	
				<i>For >50 To 100, Deduct</i>	-14.88	
				<i>For >100, Deduct</i>	-20.66	
26 01 50 81-0225	EA			20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W) 178.26 Note: 90-minute emergency battery with power output of 20 Watts		
				<i>For >25 To 50, Deduct</i>	-8.91	
				<i>For >50 To 100, Deduct</i>	-13.68	
				<i>For >100, Deduct</i>	-19.05	
26 01 50 81-0226	EA			8' Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50) 182.47 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-9.12	
				<i>For >50 To 100, Deduct</i>	-15.68	
				<i>For >100, Deduct</i>	-26.23	
26 01 50 81-0227	EA			8' Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F) 190.38 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-9.52	
				<i>For >50 To 100, Deduct</i>	-16.27	
				<i>For >100, Deduct</i>	-27.02	
26 01 50 81-0228	EA			8' Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40) 268.12 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-13.41	
				<i>For >50 To 100, Deduct</i>	-22.10	
				<i>For >100, Deduct</i>	-34.79	
26 01 50 81-0229	EA			8' Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F) 299.78 Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-14.99	
				<i>For >50 To 100, Deduct</i>	-24.48	
				<i>For >100, Deduct</i>	-37.96	
26 01 50 81-0230	EA			8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50) 268.12 Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
				<i>For >25 To 50, Deduct</i>	-13.41	
				<i>For >50 To 100, Deduct</i>	-22.10	
				<i>For >100, Deduct</i>	-34.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0231 EA 8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	299.78	
Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
For >25 To 50, Deduct	-14.99	
For >50 To 100, Deduct	-24.48	
For >100, Deduct	-37.96	

26 05 Common Work Results for Electrical ⁽²⁶⁾

26 05 13 Medium-Voltage Cables ^(26 05)

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables ^(26 05 13)

26 05 13 16-0001 Wire And Cable ^(26 05 13 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable ^(26 05 13 16-0001)

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct ^(26 05 13 16-0002)

26 05 13 16-0004 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,546.35	966.48
26 05 13 16-0005 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,166.21	1,055.30
26 05 13 16-0006 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,948.41	1,192.32
26 05 13 16-0007 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,393.50	1,468.99
26 05 13 16-0008 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,275.32	1,654.21
26 05 13 16-0009 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,860.54	1,836.14
26 05 13 16-0010 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,972.12	2,063.09
26 05 13 16-0011 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,783.17	2,295.27
26 05 13 16-0012 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,758.91	2,740.50
26 05 13 16-0013 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,263.42	3,221.40
26 05 13 16-0014 MLF 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	25,365.48	3,796.77
26 05 13 16-0015 MLF 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	33,473.61	4,371.85

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial ^(26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0017 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,425.54	
26 05 13 16-0018 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,823.25	
26 05 13 16-0019 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,262.82	
26 05 13 16-0020 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,243.35	
26 05 13 16-0021 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,661.99	
26 05 13 16-0022 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,018.87	
26 05 13 16-0023 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,563.09	
26 05 13 16-0024 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,025.93	
26 05 13 16-0025 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,009.15	
26 05 13 16-0026 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,420.09	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) ^(26 05 13 16-0002)

26 05 13 16-0028 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,729.34	605.50
26 05 13 16-0029 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,242.79	649.22
26 05 13 16-0030 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,135.76	820.99
26 05 13 16-0031 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,353.27	996.66
26 05 13 16-0032 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,229.67	1,169.99
26 05 13 16-0033 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,803.85	1,338.00
26 05 13 16-0034 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,914.37	1,552.46
26 05 13 16-0035 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,203.25	1,953.09
26 05 13 16-0036 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,434.12	2,471.27
26 05 13 16-0037 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,410.11	3,104.92

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor ^(26 05 13 16-0002)

26 05 13 16-0039 MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,640.22	1,926.06
26 05 13 16-0040 MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,698.27	1,953.75
26 05 13 16-0041 MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,756.33	1,981.42
26 05 13 16-0042 MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,148.10	2,025.22
26 05 13 16-0043 MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,016.51	2,102.47
26 05 13 16-0044 MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,808.78	2,203.42
26 05 13 16-0045 MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	25,719.39	2,754.27
26 05 13 16-0046 MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	29,897.99	3,672.41

26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct ^(26 05 13 16-0002)

26 05 13 16-0048 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,749.80	966.48
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0049 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,441.25	1,055.30
26 05 13 16-0050 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,302.57	1,192.32
26 05 13 16-0051 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,092.75	1,330.59
26 05 13 16-0052 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,883.31	1,468.99
26 05 13 16-0053 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,840.48	1,654.21
26 05 13 16-0054 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,629.15	1,836.14
26 05 13 16-0055 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,838.70	2,063.09
26 05 13 16-0056 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,871.29	2,295.27
26 05 13 16-0057 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,002.26	2,740.50
26 05 13 16-0058 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,921.22	3,221.40
26 05 13 16-0059 MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	28,223.34	3,796.77
26 05 13 16-0060 MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	37,531.52	4,371.85

26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0062 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,629.00	
26 05 13 16-0063 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,098.30	
26 05 13 16-0064 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,616.99	
26 05 13 16-0065 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,175.60	
26 05 13 16-0066 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,733.15	
26 05 13 16-0067 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,227.15	
26 05 13 16-0068 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,787.48	
26 05 13 16-0069 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,429.67	
26 05 13 16-0070 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,114.05	
26 05 13 16-0071 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,252.50	
26 05 13 16-0072 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,077.89	

26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)

26 05 13 16-0074 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,932.79	605.50
26 05 13 16-0075 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,517.83	649.22
26 05 13 16-0076 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,489.92	820.99
26 05 13 16-0077 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,164.88	908.17
26 05 13 16-0078 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,843.08	996.66
26 05 13 16-0079 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,794.83	1,169.99
26 05 13 16-0080 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,572.46	1,338.00
26 05 13 16-0081 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,780.95	1,552.46
26 05 13 16-0082 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,291.37	1,953.09
26 05 13 16-0083 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,677.47	2,471.27
26 05 13 16-0084 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,067.91	3,104.92

26 05 13 16-0085 15 KV Cable (26 05 13 16-0001)

26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)

26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0086)

26 05 13 16-0088 MLF #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,580.27	1,926.06
26 05 13 16-0089 MLF #2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,142.77	1,926.06
26 05 13 16-0090 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,357.33	1,926.06
26 05 13 16-0091 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,056.29	1,926.06
26 05 13 16-0092 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,719.70	1,926.06
26 05 13 16-0093 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,044.18	2,010.48
26 05 13 16-0094 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,304.80	2,010.48
26 05 13 16-0095 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,956.61	2,102.47
26 05 13 16-0096 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,608.04	2,151.77
26 05 13 16-0097 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,929.82	2,423.76

26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0086)

Note: Excludes excavation.

26 05 13 16-0099 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,285.47	
26 05 13 16-0100 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,984.43	
26 05 13 16-0101 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,647.84	
26 05 13 16-0102 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,998.96	
26 05 13 16-0103 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,259.58	
26 05 13 16-0104 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,025.54	
26 05 13 16-0105 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,680.05	
26 05 13 16-0106 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,726.41	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 16-0107	Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) ^(26 05 13 16-0086)		
26 05 13 16-0108	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,826.48	864.97
26 05 13 16-0109	MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,873.27	996.66
26 05 13 16-0110	MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,994.44	1,169.99
26 05 13 16-0111	MLF 3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,551.90	1,338.00
26 05 13 16-0112	MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,378.82	1,552.46
26 05 13 16-0113	MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,473.58	1,807.27
26 05 13 16-0114	MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,790.41	2,105.93
26 05 13 16-0115	MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	18,331.13	2,446.23
26 05 13 16-0116	Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable ^(26 05 13 16-0085)		
26 05 13 16-0117	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct ^(26 05 13 16-0116)		
26 05 13 16-0118	MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,077.99	1,926.06
26 05 13 16-0119	MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,741.74	1,926.06
26 05 13 16-0120	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,994.92	1,926.06
26 05 13 16-0121	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,819.69	1,926.06
26 05 13 16-0122	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,602.52	1,926.06
26 05 13 16-0123	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,127.44	2,010.48
26 05 13 16-0124	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,434.98	2,010.48
26 05 13 16-0125	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,342.68	2,102.47
26 05 13 16-0126	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	16,269.19	2,151.77
26 05 13 16-0127	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	20,066.49	2,423.76
26 05 13 16-0128	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial ^(26 05 13 16-0116)		
	Note: Excludes excavation.		
26 05 13 16-0129	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,923.07	
26 05 13 16-0130	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,747.83	
26 05 13 16-0131	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,530.66	
26 05 13 16-0132	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,082.22	
26 05 13 16-0133	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,389.75	
26 05 13 16-0134	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,407.57	
26 05 13 16-0135	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,332.58	
26 05 13 16-0136	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	17,863.08	
26 05 13 16-0137	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) ^(26 05 13 16-0116)		
26 05 13 16-0138	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,464.08	864.97
26 05 13 16-0139	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,636.67	996.66
26 05 13 16-0140	MLF 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,877.26	1,169.99
26 05 13 16-0141	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,635.16	1,338.00
26 05 13 16-0142	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,508.99	1,552.46
26 05 13 16-0143	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,859.65	1,807.27
26 05 13 16-0144	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,451.56	2,105.93
26 05 13 16-0145	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	20,467.80	2,446.23
26 05 13 16-0146	15 KV Non-Shielded Single Copper Conductor ^(26 05 13 16-0085)		
26 05 13 16-0147	MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,588.06	1,932.81
26 05 13 16-0148	MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,264.53	1,979.02
26 05 13 16-0149	MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,590.43	2,025.22
26 05 13 16-0150	MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,462.41	2,160.17
26 05 13 16-0151	Shielded, Armored Copper, 15 KV, 3 Conductor Cable ^(26 05 13 16-0085)		
	Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152	Galvanized Steel Interlocked Armor Cable ^(26 05 13 16-0151)		
26 05 13 16-0153	LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	52.21	14.74
26 05 13 16-0154	LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	61.78	15.69
26 05 13 16-0155	Aluminum Interlocked Armor Cable ^(26 05 13 16-0151)		
26 05 13 16-0156	LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	52.21	14.74
26 05 13 16-0157	LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	61.78	15.69
26 05 13 16-0158	Type URD, 15 KV Primary Concentric UD Cable ^(26 05 13 16-0085)		
	Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	3,757.17	966.48
26 05 13 16-0160	MLF #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	4,451.21	1,055.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0161 MLF #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,315.40	1,192.32
26 05 13 16-0162 MLF 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,891.27	1,464.99
26 05 13 16-0163 MLF 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,848.55	1,649.26
26 05 13 16-0164 MLF 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,656.97	1,836.14
26 05 13 16-0165 MLF 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,850.82	2,055.38
26 05 13 16-0166 15 KV, URD Copper Cable, Direct Burial <small>(26 05 13 16-0085)</small>		
26 05 13 16-0167 MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	17,043.86	
26 05 13 16-0168 Wire Connections <small>(26 05 13 16-0001)</small>		
26 05 13 16-0169 Medium Voltage Up To 5 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0170 Shielded One Conductor Cable Splice <small>(26 05 13 16-0169)</small>		
26 05 13 16-0171 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	378.59	122.44
26 05 13 16-0172 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	508.67	122.44
26 05 13 16-0173 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	508.67	122.44
26 05 13 16-0174 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	545.11	146.93
26 05 13 16-0175 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	545.11	146.93
26 05 13 16-0176 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	545.11	146.93
26 05 13 16-0177 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	593.70	171.42
26 05 13 16-0178 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	593.70	171.42
26 05 13 16-0179 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	593.70	171.42
26 05 13 16-0180 Cable Termination Without Stress Cone <small>(26 05 13 16-0169)</small>		
26 05 13 16-0181 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	567.63	146.93
26 05 13 16-0182 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	655.00	171.42
26 05 13 16-0183 Cable Termination With Stress Cone <small>(26 05 13 16-0169)</small>		
26 05 13 16-0184 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,700.92	293.86
26 05 13 16-0185 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,337.71	404.07
26 05 13 16-0186 Connect To Pothead, Pothead Included <small>(26 05 13 16-0169)</small>		
26 05 13 16-0187 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	1,779.48	293.86
26 05 13 16-0188 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	2,280.25	336.73
26 05 13 16-0189 Two Conductor Pothead <small>(26 05 13 16-0169)</small>		
Note: Includes 5 KV pothead.		
26 05 13 16-0190 EA #6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,289.57	404.07
26 05 13 16-0191 EA 250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,730.27	514.27
26 05 13 16-0192 EA 400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,654.94	583.08
26 05 13 16-0193 EA 750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	4,338.11	680.30
26 05 13 16-0194 EA 1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	7,995.97	1,020.33
26 05 13 16-0195 Three Conductor Pothead <small>(26 05 13 16-0169)</small>		
Note: Includes 5 KV pothead.		
26 05 13 16-0196 EA #6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	5,312.55	587.74
26 05 13 16-0197 EA 250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	5,814.03	685.69
26 05 13 16-0198 Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
Note: For bare wire.		
26 05 13 16-0199 EA #6 AWG Crimp Compression Connection For Bare Copper Wire	81.10	
26 05 13 16-0200 EA #4 AWG Crimp Compression Connection For Bare Copper Wire	89.68	
26 05 13 16-0201 EA #3 AWG Crimp Compression Connection For Bare Copper Wire	104.55	
26 05 13 16-0202 EA #2 AWG Crimp Compression Connection For Bare Copper Wire	118.33	
26 05 13 16-0203 EA #1 AWG Crimp Compression Connection For Bare Copper Wire	133.65	
26 05 13 16-0204 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire	148.35	
26 05 13 16-0205 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire	162.80	
26 05 13 16-0206 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire	178.32	
26 05 13 16-0207 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire	193.19	
26 05 13 16-0208 EA 250 MCM Crimp Compression Connection For Bare Copper Wire	208.53	
26 05 13 16-0209 EA 300 MCM Crimp Compression Connection For Bare Copper Wire	224.47	
26 05 13 16-0210 EA 350 MCM Crimp Compression Connection For Bare Copper Wire	238.98	
26 05 13 16-0211 EA 400 MCM Crimp Compression Connection For Bare Copper Wire	270.50	
26 05 13 16-0212 EA 500 MCM Crimp Compression Connection For Bare Copper Wire	303.48	
26 05 13 16-0213 Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
Note: For bare wire.		
26 05 13 16-0214 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire	83.90	
26 05 13 16-0215 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire	91.23	
26 05 13 16-0216 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire	123.44	
26 05 13 16-0217 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire	146.65	

26 Electrical
26 05 Common Work Results for Electrical
26 05 13 Medium-Voltage Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0218	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	160.62	
26 05 13 16-0219	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	174.52	
26 05 13 16-0220	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	191.92	
26 05 13 16-0221	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	207.58	
26 05 13 16-0222	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	222.58	
26 05 13 16-0223	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	238.21	
26 05 13 16-0224	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	253.40	
26 05 13 16-0225	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	291.16	
26 05 13 16-0226	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	329.25	
26 05 13 16-0227			15 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0228			Single Conductor Pothead On Racks <small>(26 05 13 16-0227)</small> Note: Includes pothead.		
26 05 13 16-0229	EA		#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,566.15	514.27
26 05 13 16-0230	EA		250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	1,998.90	636.71
26 05 13 16-0231			Two Conductor Pothead On Rack <small>(26 05 13 16-0227)</small> Note: Includes pothead.		
26 05 13 16-0232	EA		#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks.....	2,305.89	783.64
26 05 13 16-0233	EA		250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks.....	2,773.72	930.58
26 05 13 16-0234			Three Conductor Pothead On Rack <small>(26 05 13 16-0227)</small> Note: Includes pothead.		
26 05 13 16-0235	EA		#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	2,943.33	1,016.30
26 05 13 16-0236	EA		250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	3,666.49	1,273.43
26 05 13 16-0237			Stress Relief Cone On Rack <small>(26 05 13 16-0227)</small>		
26 05 13 16-0238	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack	1,471.23	514.27
26 05 13 16-0239	EA		250 To 500 MCM Stress Relief Cone, On Rack	1,892.18	636.71
26 05 13 16-0240			Grounded, Shielded Cable Splice <small>(26 05 13 16-0227)</small>		
26 05 13 16-0241	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	1,012.73	379.58
26 05 13 16-0242	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	1,297.41	489.78
26 05 13 16-0243	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	6,280.33	1,346.89
26 05 13 16-0244	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	8,076.23	1,469.34
26 05 13 16-0245			Cable Termination <small>(26 05 13 16-0227)</small>		
26 05 13 16-0246	EA		#2 To 3/0 AWG Cable Termination 15 KV	673.56	214.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.57	
26 05 13 16-0247	EA		4/0 To 250 MCM Cable Termination 15 KV	850.76	275.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.30	
26 05 13 16-0248	EA		350 To 500 MCM Cable Termination 15 KV	1,054.94	336.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.04	
26 05 13 16-0249	EA		#2 To 3/0 AWG Cable Elbow Termination 15 KV	429.70	122.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.47	
26 05 13 16-0250			Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 16-0227)</small>		
26 05 13 16-0251	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	865.09	159.18
26 05 13 16-0252	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	985.60	175.93
26 05 13 16-0253	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,171.25	192.53
26 05 13 16-0254	EA		400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,507.62	221.82
26 05 13 16-0255			Stress Cones, 5-15 KV, 6 Skirted <small>(26 05 13 16-0227)</small>		
26 05 13 16-0256	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,730.20	318.90
26 05 13 16-0257	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	1,971.45	351.85
26 05 13 16-0258	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	2,328.23	377.91
26 05 13 16-0259	EA		400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	3,015.23	443.65
26 05 13 16-0260			35 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0261			35 KV One Conductor Splice <small>(26 05 13 16-0260)</small>		
26 05 13 16-0262	EA		#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	2,530.93	
26 05 13 16-0263			Cable Termination <small>(26 05 13 16-0260)</small>		
26 05 13 16-0264	EA		#2 To 3/0 AWG Cable Termination, 35 KV	589.73	147.05
26 05 13 16-0265	EA		3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	805.39	221.87
26 05 13 16-0266	EA		350 To 500 MCM Cable Termination 35 KV	934.98	237.30
26 05 13 16-0267	EA		#2 To 3/0 AWG Cable Elbow Termination 35 KV	467.92	122.44



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0268	70 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0269	Cable Splice <small>(26 05 13 16-0268)</small>		
26 05 13 16-0270	EA 350 MCM, 70 KV, Cable Splicing.....	13,520.50	
26 05 13 16-0271	EA #2 To 4/0, 70 KV, Cable Splicing.....	2,626.95	

26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)

26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)

26 05 19 13-0001	Under Carpet Power System <small>(26 05 19 13)</small>		
	Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002	LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.45	0.56
26 05 19 13-0003	LF Steel, Top Shield	14.98	0.56
26 05 19 13-0004	EA 3-Conductor, Splice	36.24	9.51
26 05 19 13-0005	EA Splice Top Shield For 3 Conductor	10.37	4.48
26 05 19 13-0006	EA 3-Conductor, Tap.....	45.23	11.19
26 05 19 13-0007	EA Insulating Patch, Splice Tap And End.....	70.99	9.51
26 05 19 13-0008	EA 3-Conductor, Transition Block Assembly.....	46.35	5.59
26 05 19 13-0009	EA Single, Direct Connected, Receptacle With Box.....	139.75	17.90
26 05 19 13-0010	EA Dual, Direct Connected, Receptacle With Box.....	232.99	27.98
26 05 19 13-0011	EA Floor Mounted Box With Cover.....	232.50	22.37
26 05 19 13-0012	LF 5-Conductor, #12 Cable With Attached Bottom Shield	10.28	0.56
26 05 19 13-0013	LF Steel, Top Shield For 5-Conductor Cable.....	10.20	0.56
26 05 19 13-0014	EA 5-Conductor, Splice	36.74	9.51
26 05 19 13-0015	EA 5-Conductor, Transition Block Assembly	61.43	5.59
26 05 19 13-0016	EA Box, Wall, Flush With Cover	103.66	22.37
26 05 19 13-0017	EA Telephone, Transition Fitting Wall Box.....	68.10	18.46
26 05 19 13-0018	EA RJ-45, Telephone Fitting With Duplex Jack And Cover	89.81	21.26
26 05 19 13-0019	EA Miniature Telephone With Duplex RJ-45	38.69	8.39
26 05 19 13-0020	LF 4-Pair, Level 5, Under Carpet Telephone Wire	2.23	0.56
26 05 19 13-0021	EA BNC, Coax Plug, Connector	30.60	11.19
26 05 19 13-0022	EA TNC, Coax Plug, Connector	30.60	11.19
26 05 19 13-0023	CLF Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	161.10	55.94

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)

26 05 19 16-0001	Cable Installation Methods <small>(26 05 19 16)</small>		
26 05 19 16-0002	Pull Cord <small>(26 05 19 16-0001)</small>		
	Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF Pull String Installed To Remain In Place, In Existing Conduit.....	0.39	
26 05 19 16-0004	LF Pull String Installed To Remain In Place, In New Conduits	0.20	
26 05 19 16-0005	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.67	
26 05 19 16-0006	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.42	
26 05 19 16-0007	Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>		
	Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF Bore 1" To 4" Conduit Into Dirt Or Sand	3.39	
26 05 19 16-0009	LF Bore 5" To 8" Conduit Into Dirt Or Sand	4.32	
26 05 19 16-0010	EA Boring Minimum Set-Up Charge.....	474.60	
	Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011	Wire and Cable <small>(26 05 19 16)</small>		
	Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0012	Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013	Multi-Conductor Cords <small>(26 05 19 16-0012)</small>		
	Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014	Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0013)</small>		
	Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0015	300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0016	#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0017	LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.11	0.49
26 05 19 16-0018	LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.15	0.49
26 05 19 16-0019	LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.25	0.49

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 19 16-0020		#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0021	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.30	0.49
26 05 19 16-0022	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.37	0.49
26 05 19 16-0023	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.46	0.49
26 05 19 16-0024		#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0025	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.42	0.49
26 05 19 16-0026	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.52	0.49
26 05 19 16-0027	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.72	0.49
26 05 19 16-0028		#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0029	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.59	0.49
26 05 19 16-0030	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.71	0.49
26 05 19 16-0031	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.89	0.49
26 05 19 16-0032		#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0033	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.00	0.61
26 05 19 16-0034	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.08	0.61
26 05 19 16-0035	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.21	0.61
26 05 19 16-0036		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0037		#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0038	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.15	0.49
26 05 19 16-0039	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.22	0.49
26 05 19 16-0040	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.32	0.49
26 05 19 16-0041	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.16	0.66
26 05 19 16-0042	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.34	0.68
26 05 19 16-0043	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.47	0.70
26 05 19 16-0044	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.69	0.71
26 05 19 16-0045	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.06	0.75
26 05 19 16-0046	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.44	0.77
26 05 19 16-0047	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.42	0.79
26 05 19 16-0048	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.50	0.81
26 05 19 16-0049	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.62	0.82
26 05 19 16-0050	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.10	0.84
26 05 19 16-0051	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.33	0.86
26 05 19 16-0052	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.62	0.92
26 05 19 16-0053		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0054	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.36	0.49
26 05 19 16-0055	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.43	0.49
26 05 19 16-0056	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.55	0.49
26 05 19 16-0057	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.25	0.66
26 05 19 16-0058	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.45	0.68
26 05 19 16-0059	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.65	0.70
26 05 19 16-0060	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.91	0.71
26 05 19 16-0061	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.02	0.73
26 05 19 16-0062	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.32	0.75
26 05 19 16-0063	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.82	0.77
26 05 19 16-0064	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.08	0.79
26 05 19 16-0065	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.57	0.81
26 05 19 16-0066	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.22	0.82
26 05 19 16-0067	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.82	0.84
26 05 19 16-0068	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.95	0.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0069 LF 26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.60	0.88
26 05 19 16-0070 LF 30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.81	0.92
26 05 19 16-0071 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0072 LF 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.54	0.49
26 05 19 16-0073 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.61	0.49
26 05 19 16-0074 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.79	0.49
26 05 19 16-0075 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.81	0.66
26 05 19 16-0076 LF 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.31	0.68
26 05 19 16-0077 LF 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.49	0.70
26 05 19 16-0078 LF 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.89	0.71
26 05 19 16-0079 LF 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.16	0.73
26 05 19 16-0080 LF 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.61	0.75
26 05 19 16-0081 LF 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.05	0.77
26 05 19 16-0082 LF 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.54	0.79
26 05 19 16-0083 LF 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.59	0.81
26 05 19 16-0084 LF 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.36	0.84
26 05 19 16-0085 LF 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.61	0.86
26 05 19 16-0086 LF 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.14	0.92
26 05 19 16-0087 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0088 LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.72	0.49
26 05 19 16-0089 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.86	0.49
26 05 19 16-0090 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.00	0.49
26 05 19 16-0091 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.17	0.66
26 05 19 16-0092 LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.63	0.68
26 05 19 16-0093 LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.10	0.70
26 05 19 16-0094 LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.62	0.71
26 05 19 16-0095 LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.98	0.73
26 05 19 16-0096 LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.60	0.75
26 05 19 16-0097 LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.33	0.77
26 05 19 16-0098 LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.01	0.79
26 05 19 16-0099 LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.69	0.81
26 05 19 16-0100 LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.02	0.82
26 05 19 16-0101 LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.19	0.84
26 05 19 16-0102 LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.39	0.86
26 05 19 16-0103 LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.59	0.88
26 05 19 16-0104 LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.99	0.90
26 05 19 16-0105 LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.42	0.92
26 05 19 16-0106 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0107 LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.96	0.61
26 05 19 16-0108 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.08	0.61
26 05 19 16-0109 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.20	0.61
26 05 19 16-0110 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.79	0.66
26 05 19 16-0111 LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.37	0.68
26 05 19 16-0112 LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.08	0.70
26 05 19 16-0113 LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.47	0.75
26 05 19 16-0114 LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.37	0.77
26 05 19 16-0115 LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.30	0.81
26 05 19 16-0116 LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.37	0.84
26 05 19 16-0117 #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		

26 Electrical

26 05 Common Work Results for Electrical

26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0118	LF		3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.73	0.73
26 05 19 16-0119	LF		4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.03	0.85
26 05 19 16-0120	LF		5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.34	0.85
26 05 19 16-0121			#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0122	LF		3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.18	0.85
26 05 19 16-0123	LF		4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.23	0.98
26 05 19 16-0124	LF		5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.48	1.22
26 05 19 16-0125			#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0126	LF		3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.16	1.22
26 05 19 16-0127	LF		4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.92	1.34
26 05 19 16-0128	LF		5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.69	1.46
26 05 19 16-0129			#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0130	LF		3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.65	2.45
26 05 19 16-0131	LF		4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.06	3.06
26 05 19 16-0132	LF		5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.68	4.04
26 05 19 16-0133			300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0134			#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0135	LF		2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.46	0.49
26 05 19 16-0136	LF		3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.57	0.49
26 05 19 16-0137	LF		4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.79	0.49
26 05 19 16-0138			#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0139	LF		2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.53	0.49
26 05 19 16-0140	LF		3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.71	0.49
26 05 19 16-0141	LF		4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.79	0.49
26 05 19 16-0142			#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0133)</small>		
26 05 19 16-0143	LF		2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.98	0.49
26 05 19 16-0144	LF		3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.72	0.49
26 05 19 16-0145	LF		4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.42	0.61
26 05 19 16-0146			600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0147			#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0148	LF		2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.93	0.49
26 05 19 16-0149	LF		3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.24	0.49
26 05 19 16-0150	LF		4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.56	0.49
26 05 19 16-0151			#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0152	LF		2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.04	0.49
26 05 19 16-0153	LF		3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.35	0.49
26 05 19 16-0154	LF		4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.86	0.49
26 05 19 16-0155	LF		5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.09	0.61
26 05 19 16-0156			#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0157 LF 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.43	0.49
26 05 19 16-0158 LF 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.84	0.49
26 05 19 16-0159 LF 5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.16	0.61
26 05 19 16-0160 #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0161 LF 3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.82	0.49
26 05 19 16-0162 LF 4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.18	0.49
26 05 19 16-0163 LF 5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.53	0.61
26 05 19 16-0164 #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0165 LF 3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.20	0.61
26 05 19 16-0166 LF 4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.53	0.61
26 05 19 16-0167 LF 5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.86	0.61
26 05 19 16-0168 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0013)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0168)</small>		
26 05 19 16-0170 #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0171 LF 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.54	0.49
26 05 19 16-0172 LF 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.67	0.49
26 05 19 16-0173 LF 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.38	0.61
26 05 19 16-0174 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0175 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.92	0.49
26 05 19 16-0176 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.16	0.49
26 05 19 16-0177 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.98	0.61
26 05 19 16-0178 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0179 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.31	0.49
26 05 19 16-0180 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.61	0.49
26 05 19 16-0181 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.23	0.61
26 05 19 16-0182 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0183 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.86	0.61
26 05 19 16-0184 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.23	0.61
26 05 19 16-0185 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.45	0.61
26 05 19 16-0186 Multi-Conductor Type W Cord <small>(26 05 19 16-0013)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0186)</small>		
26 05 19 16-0188 #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0189 LF 3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.04	0.73
26 05 19 16-0190 LF 4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.32	0.85
26 05 19 16-0191 LF 5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.05	0.85
26 05 19 16-0192 #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0193 LF 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.35	0.85
26 05 19 16-0194 LF 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.17	0.98
26 05 19 16-0195 LF 5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.40	1.22
26 05 19 16-0196 #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0197 LF 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.71	0.85
26 05 19 16-0198 LF 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.74	0.98
26 05 19 16-0199 LF 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.61	1.22

26 Electrical

26 05 Common Work Results for Electrical

26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0200 Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0012)

26 05 19 16-0201 Cord Grips (26 05 19 16-0200)

26 05 19 16-0202 EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	77.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.26	
26 05 19 16-0203 EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	78.29	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.26	

26 05 19 16-0204 Cable Reels (26 05 19 16-0200)

Note: Includes handling, mounting, electrical connections and installing cord.

26 05 19 16-0205 EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	680.64	61.22
26 05 19 16-0206 EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,879.97	61.22
26 05 19 16-0207 EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,405.88	61.22

26 05 19 16-0208 Extension Cords For Cable Reel (26 05 19 16-0200)

26 05 19 16-0209 EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	206.50	
26 05 19 16-0210 EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	293.96	

26 05 19 16-0211 Plugs And Connector Bodies (26 05 19 16-0200)

Note: Up to 277 volt

26 05 19 16-0212 NEMA Twist-Lock Plugs (26 05 19 16-0211)

26 05 19 16-0213 EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	81.61	
26 05 19 16-0214 EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	83.18	
26 05 19 16-0215 EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	76.58	
26 05 19 16-0216 EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	81.41	
26 05 19 16-0217 EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	104.09	
26 05 19 16-0218 EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	110.24	
26 05 19 16-0219 EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	116.25	
26 05 19 16-0220 EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	105.01	
26 05 19 16-0221 EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	119.78	
26 05 19 16-0222 EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	122.65	
26 05 19 16-0223 EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	126.31	

26 05 19 16-0224 NEMA Twist-Lock Connector Bodies (26 05 19 16-0211)

26 05 19 16-0225 EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	86.05	
26 05 19 16-0226 EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	91.61	
26 05 19 16-0227 EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	79.91	
26 05 19 16-0228 EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	105.01	
26 05 19 16-0229 EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	121.22	
26 05 19 16-0230 EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	129.06	
26 05 19 16-0231 EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	155.46	
26 05 19 16-0232 EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	148.80	
26 05 19 16-0233 EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	181.87	
26 05 19 16-0234 EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	190.62	
26 05 19 16-0235 EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	181.08	

26 05 19 16-0236 Watertight Pin And Sleeve Plug (26 05 19 16-0211)

26 05 19 16-0237 EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	269.24	36.73
26 05 19 16-0238 EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	272.08	36.73
26 05 19 16-0239 EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	294.12	36.73
26 05 19 16-0240 EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	294.83	40.40
26 05 19 16-0241 EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	290.55	40.40
26 05 19 16-0242 EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	291.82	40.40
26 05 19 16-0243 EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	410.03	45.18
26 05 19 16-0244 EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	399.38	45.18
26 05 19 16-0245 EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	445.13	45.18
26 05 19 16-0246 EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	437.65	49.59
26 05 19 16-0247 EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	419.15	49.59
26 05 19 16-0248 EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	431.88	49.59
26 05 19 16-0249 EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	556.96	58.77
26 05 19 16-0250 EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	567.10	58.77
26 05 19 16-0251 EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	543.05	58.77
26 05 19 16-0252 EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	618.35	65.38
26 05 19 16-0253 EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	602.56	65.38
26 05 19 16-0254 EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	609.39	65.38
26 05 19 16-0255 EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	763.88	73.47
26 05 19 16-0256 EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	803.06	73.47
26 05 19 16-0257 EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	783.51	80.82
26 05 19 16-0258 EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	770.14	80.82
26 05 19 16-0259 EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	777.36	80.82

26 05 19 16-0260 Watertight Pin And Sleeve Connector (26 05 19 16-0211)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0261 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	285.56	36.73
26 05 19 16-0262 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	287.53	36.73
26 05 19 16-0263 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	338.30	36.73
26 05 19 16-0264 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	335.97	40.40
26 05 19 16-0265 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	330.82	40.40
26 05 19 16-0266 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	335.48	40.40
26 05 19 16-0267 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	419.79	45.18
26 05 19 16-0268 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	419.68	45.18
26 05 19 16-0269 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	437.19	45.18
26 05 19 16-0270 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	432.90	49.59
26 05 19 16-0271 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	436.50	49.59
26 05 19 16-0272 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	432.70	49.59
26 05 19 16-0273 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	657.03	58.77
26 05 19 16-0274 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	635.58	58.77
26 05 19 16-0275 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	622.80	58.77
26 05 19 16-0276 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	677.91	65.38
26 05 19 16-0277 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	696.55	65.38
26 05 19 16-0278 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	697.92	65.38
26 05 19 16-0279 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	873.65	73.47
26 05 19 16-0280 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	898.25	73.47
26 05 19 16-0281 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	970.73	80.82
26 05 19 16-0282 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	936.94	80.82
26 05 19 16-0283 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	948.46	80.82
26 05 19 16-0284 Accessories <small>(26 05 19 16-0200)</small>		
26 05 19 16-0285 EA 1/2" Straight Steel Cord Connector	62.76	12.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 19 16-0286 EA 1/2" Straight Nylon Cord Connector	37.50	9.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 19 16-0287 EA 1/2" 90 Degree Steel Cord Connector	71.74	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 05 19 16-0288 EA 1/2" 90 Degree Nylon Cord Connector	45.05	12.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 19 16-0289 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh	70.79	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 05 19 16-0290 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	123.10	18.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 19 16-0291 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh	44.32	12.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 19 16-0292 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	75.22	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 05 19 16-0293 EA 3/4" Straight Steel Cord Connector	65.45	12.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 19 16-0294 EA 3/4" Straight Nylon Cord Connector	38.85	9.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 19 16-0295 EA 3/4" 90 Degree Steel Cord Connector	80.15	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 05 19 16-0296 EA 3/4" 90 Degree Nylon Cord Connector	49.26	12.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 19 16-0297 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh	79.74	18.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 19 16-0298 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	94.88	21.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 19 16-0299 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh	53.27	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 05 19 16-0300 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	64.36	18.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 19 16-0301 EA 1" Straight Steel Cord Connector	82.73	12.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 19 16-0302 EA 1" Straight Nylon Cord Connector	47.49	9.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 19 16-0303 EA 1" 90 Degree Steel Cord Connector	91.57	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 05 19 16-0304 EA 1" 90 Degree Nylon Cord Connector	54.97	12.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 05 19 16-0305 EA 1" Straight Steel Cord Connector With Strain Relief Mesh	97.89	18.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 19 16-0306 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh	106.86	21.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 05 19 16-0307 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh	62.48	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 05 19 16-0308 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	72.15	18.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 19 16-0309 600 Volt Wire <small>(26 05 19 16-0011)</small>		
26 05 19 16-0310 Single Solid Conductor, Copper <small>(26 05 19 16-0309)</small>		
26 05 19 16-0311 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	666.60	271.54
26 05 19 16-0312 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	832.26	319.43
26 05 19 16-0313 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,026.24	390.59
26 05 19 16-0314 MLF #14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	852.62	271.54

26 Electrical
26 05 Common Work Results for Electrical
26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0315 MLF #12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,028.57	319.43
26 05 19 16-0316 MLF #10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,230.86	390.59
26 05 19 16-0317 Power Cable, Stranded Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0318 Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0317)		
26 05 19 16-0319 MLF #16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	697.24	223.77
26 05 19 16-0320 MLF #14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	823.68	268.52
26 05 19 16-0321 MLF #12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,011.65	313.28
26 05 19 16-0322 MLF #10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,241.12	358.04
26 05 19 16-0323 MLF #8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,650.35	447.55
26 05 19 16-0324 MLF #6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,221.39	537.05
26 05 19 16-0325 MLF #4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,033.40	671.31
26 05 19 16-0326 MLF #3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,584.97	760.83
26 05 19 16-0327 MLF #2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,237.77	850.34
26 05 19 16-0328 MLF #1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,240.91	939.84
26 05 19 16-0329 MLF 1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,281.48	1,074.11
26 05 19 16-0330 MLF 2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	7,515.24	1,208.37
26 05 19 16-0331 MLF 3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,982.98	1,342.63
26 05 19 16-0332 MLF 4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	10,748.81	1,476.90
26 05 19 16-0333 MLF 250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	11,396.72	1,611.15
26 05 19 16-0334 MLF 300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	13,493.78	1,745.42
26 05 19 16-0335 MLF 350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	14,396.92	1,879.69
26 05 19 16-0336 MLF 400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	16,093.24	2,013.94
26 05 19 16-0337 MLF 500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	18,613.09	2,148.21
26 05 19 16-0338 MLF 600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	21,418.10	2,327.22
26 05 19 16-0339 MLF 750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	32,444.07	2,595.76
26 05 19 16-0340 MLF 1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	45,688.34	3,043.29
26 05 19 16-0341 Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0317)		
26 05 19 16-0342 MLF 2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,647.38	536.94
26 05 19 16-0343 MLF 3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,023.53	626.67
26 05 19 16-0344 MLF 4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,511.67	760.83
26 05 19 16-0345 MLF 6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,983.24	827.62
26 05 19 16-0346 MLF 7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,248.16	872.60
26 05 19 16-0347 MLF 9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,776.29	962.00
26 05 19 16-0348 MLF 10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,659.04	1,002.72
26 05 19 16-0349 MLF 12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,569.75	1,096.48
26 05 19 16-0350 MLF 14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,042.75	1,163.84
26 05 19 16-0351 MLF 24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,349.50	1,477.01
26 05 19 16-0352 MLF 37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,120.33	2,192.97
26 05 19 16-0353 MLF 2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,023.58	626.67
26 05 19 16-0354 MLF 3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,587.53	760.83
26 05 19 16-0355 MLF 4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,151.52	895.08
26 05 19 16-0356 MLF 2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,705.17	805.25
26 05 19 16-0357 MLF 3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,497.51	983.70
26 05 19 16-0358 MLF 4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,517.51	1,253.35
26 05 19 16-0359 MLF 6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,105.54	1,611.72
26 05 19 16-0360 MLF 9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,261.37	2,058.81
26 05 19 16-0361 MLF 2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,356.65	917.47
26 05 19 16-0362 MLF 3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,279.74	1,074.11
26 05 19 16-0363 MLF 4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,538.50	1,365.01
26 05 19 16-0364 MLF 2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,330.99	1,029.35
26 05 19 16-0365 MLF 3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,825.02	1,275.50
26 05 19 16-0366 MLF 4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,447.81	1,573.12
26 05 19 16-0367 MLF 2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,832.30	1,248.87
26 05 19 16-0368 MLF 3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,636.47	1,428.45
26 05 19 16-0369 MLF 4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,876.73	1,782.57
26 05 19 16-0370 MLF 2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,028.84	1,521.21
26 05 19 16-0371 MLF 3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	10,591.56	1,701.11
26 05 19 16-0372 MLF 4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,046.02	2,237.72
26 05 19 16-0373 MLF 3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,043.53	2,147.88
26 05 19 16-0374 MLF 4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	18,275.50	2,684.14
26 05 19 16-0375 MLF 3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,607.75	2,327.68
26 05 19 16-0376 MLF 3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	20,193.26	2,684.14
26 05 19 16-0377 MLF 3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	24,707.83	3,131.47
26 05 19 16-0378 MLF 4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	32,570.98	4,026.22
26 05 19 16-0379 MLF 3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	30,128.28	3,583.37
26 05 19 16-0380 MLF 3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	32,171.86	4,026.22
26 05 19 16-0381 MLF 3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	40,281.65	4,475.43
26 05 19 16-0382 MLF 3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	52,024.52	4,918.73
26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper (26 05 19 16-0309) Note: Direct bury.		
26 05 19 16-0384 MLF #14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,000.46	
26 05 19 16-0385 MLF #12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,177.75	
26 05 19 16-0386 MLF #10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,480.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0387	MLF	#8	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,950.23	
26 05 19 16-0388	MLF	#6	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,739.53	
26 05 19 16-0389	MLF	#4	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,612.65	
26 05 19 16-0390	MLF	#2	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,234.51	
26 05 19 16-0391	MLF	#1	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,522.64	
26 05 19 16-0392	MLF	1/0	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,008.02	
26 05 19 16-0393	MLF	2/0	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,711.75	
26 05 19 16-0394	MLF	3/0	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,717.61	
26 05 19 16-0395	MLF	4/0	AWG	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,240.45	
26 05 19 16-0396	MLF	250	MCM	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,337.23	
26 05 19 16-0397	MLF	300	MCM	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,181.04	
26 05 19 16-0398	MLF	350	MCM	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,215.57	
26 05 19 16-0399	MLF	400	MCM	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,597.33	
26 05 19 16-0400	MLF	500	MCM	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,600.88	
26 05 19 16-0401	MLF	600	MCM	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	30,250.67	
26 05 19 16-0402	MLF	750	MCM	Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	48,183.87	
26 05 19 16-0403	MLF	#14	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	817.51	
26 05 19 16-0404	MLF	#12	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	978.89	
26 05 19 16-0405	MLF	#10	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,169.61	
26 05 19 16-0406	MLF	#8	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,435.86	
26 05 19 16-0407	MLF	#6	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,841.26	
26 05 19 16-0408	MLF	#4	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,442.39	
26 05 19 16-0409	MLF	#2	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,307.36	
26 05 19 16-0410	MLF	#1	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,903.75	
26 05 19 16-0411	MLF	1/0	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,420.33	
26 05 19 16-0412	MLF	2/0	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,981.68	
26 05 19 16-0413	MLF	3/0	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,780.27	
26 05 19 16-0414	MLF	4/0	AWG	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,741.75	
26 05 19 16-0415	MLF	250	MCM	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,637.94	
26 05 19 16-0416	MLF	300	MCM	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,582.18	
26 05 19 16-0417	MLF	350	MCM	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,605.43	
26 05 19 16-0418	MLF	400	MCM	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,663.03	
26 05 19 16-0419	MLF	500	MCM	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,391.10	
26 05 19 16-0420	MLF	750	MCM	XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,580.13	
26 05 19 16-0421	MLF	#14	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	683.13	
26 05 19 16-0422	MLF	#12	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	848.29	
26 05 19 16-0423	MLF	#10	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,049.07	
26 05 19 16-0424	MLF	#8	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,469.77	
26 05 19 16-0425	MLF	#6	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,995.92	
26 05 19 16-0426	MLF	#4	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,633.78	
26 05 19 16-0427	MLF	#2	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,757.89	
26 05 19 16-0428	MLF	#1	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,472.78	
26 05 19 16-0429	MLF	1/0	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,203.12	
26 05 19 16-0430	MLF	2/0	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,902.56	
26 05 19 16-0431	MLF	3/0	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,996.08	
26 05 19 16-0432	MLF	4/0	AWG	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,330.75	
26 05 19 16-0433	MLF	250	MCM	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,774.00	
26 05 19 16-0434	MLF	300	MCM	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,277.38	
26 05 19 16-0435	MLF	350	MCM	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,892.69	
26 05 19 16-0436	MLF	400	MCM	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,451.54	
26 05 19 16-0437	MLF	500	MCM	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,146.85	
26 05 19 16-0438	MLF	600	MCM	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,602.38	
26 05 19 16-0439	MLF	750	MCM	Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	32,490.53	
26 05 19 16-0440	MLF	#2	AWG	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,522.13	
26 05 19 16-0441	MLF	1/0	AWG	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,904.74	
26 05 19 16-0442	MLF	2/0	AWG	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,778.98	
26 05 19 16-0443	MLF	3/0	AWG	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,966.78	
26 05 19 16-0444	MLF	4/0	AWG	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,074.52	
26 05 19 16-0445	MLF	250	MCM	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,937.77	
26 05 19 16-0446	MLF	350	MCM	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,048.66	
26 05 19 16-0447	MLF	400	MCM	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,529.47	
26 05 19 16-0448	MLF	500	MCM	Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,109.12	
26 05 19 16-0449				600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0309)		
26 05 19 16-0450				ACTHH, Solid (26 05 19 16-0449)		
26 05 19 16-0451	MLF	1	Conductor	, #8 AWG, Type ACT, Solid, Armored Cable.....	2,733.76	734.67

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0452	MLF	1	Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	3,158.06	832.62
26 05 19 16-0453	MLF	1	Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	3,638.47	881.60
26 05 19 16-0454	MLF	2	Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,884.87	1,224.45
26 05 19 16-0455	MLF	2	Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	4,141.66	1,371.14
26 05 19 16-0456	MLF	2	Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	5,319.22	1,519.18
26 05 19 16-0457	MLF	2	Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	7,063.96	1,665.86
26 05 19 16-0458	MLF	3	Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,735.80	1,371.14
26 05 19 16-0459	MLF	3	Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	4,932.50	1,519.18
26 05 19 16-0460	MLF	3	Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	6,386.78	1,714.96
26 05 19 16-0461	MLF	3	Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	8,424.42	1,860.92
26 05 19 16-0462	MLF	4	Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	5,687.46	1,519.18
26 05 19 16-0463	MLF	4	Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	6,214.72	1,714.96
26 05 19 16-0464	MLF	4	Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	8,002.83	1,910.26
26 05 19 16-0465	MLF	4	Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	10,527.74	2,057.93
26 05 19 16-0466			ACTHH, Stranded <small>(26 05 19 16-0449)</small>		
26 05 19 16-0467	MLF	2	Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	7,310.01	1,764.31
26 05 19 16-0468	MLF	2	Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	8,967.17	2,007.24
26 05 19 16-0469	MLF	3	Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	8,670.06	1,959.12
26 05 19 16-0470	MLF	3	Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	10,967.79	2,202.29
26 05 19 16-0471	MLF	3	Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	14,005.16	2,448.90
26 05 19 16-0472	MLF	3	Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	16,148.01	2,691.09
26 05 19 16-0473	MLF	3	Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	18,558.88	2,936.35
26 05 19 16-0474	MLF	4	Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	11,258.47	2,350.20
26 05 19 16-0475	MLF	4	Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	13,724.73	2,594.11
26 05 19 16-0476	MLF	4	Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	17,842.02	2,840.96
26 05 19 16-0477	MLF	4	Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	19,564.27	3,084.26
26 05 19 16-0478	MLF	4	Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	23,337.37	3,327.31
26 05 19 16-0479			HCFC, Solid <small>(26 05 19 16-0449)</small>		
26 05 19 16-0480	MLF	2	Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	4,402.29	1,224.45
26 05 19 16-0481	MLF	2	Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	4,807.00	1,375.79
26 05 19 16-0482	MLF	2	Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	5,382.79	1,511.70
26 05 19 16-0483	MLF	3	Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	5,377.20	1,375.79
26 05 19 16-0484	MLF	3	Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	5,755.90	1,511.70
26 05 19 16-0485	MLF	3	Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	7,622.47	1,724.63
26 05 19 16-0486	MLF	4	Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	6,673.75	1,511.70
26 05 19 16-0487	MLF	4	Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	7,264.53	1,724.63
26 05 19 16-0488	MLF	4	Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	10,097.19	1,913.20
26 05 19 16-0489			MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0490	MLF	2	Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,859.62	1,224.45
26 05 19 16-0491	MLF	2	Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,307.92	1,375.79
26 05 19 16-0492	MLF	2	Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,231.36	1,511.70
26 05 19 16-0493	MLF	2	Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,808.67	1,615.41
26 05 19 16-0494	MLF	2	Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	8,588.92	1,712.51
26 05 19 16-0495	MLF	3	Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,472.19	1,375.79
26 05 19 16-0496	MLF	3	Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,061.02	1,511.70
26 05 19 16-0497	MLF	3	Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,504.65	1,724.63
26 05 19 16-0498	MLF	3	Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	8,595.68	1,860.92
26 05 19 16-0499	MLF	3	Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	10,115.85	2,007.24
26 05 19 16-0500	MLF	3	Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	12,641.80	2,155.77
26 05 19 16-0501	MLF	3	Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	17,743.94	2,301.59
26 05 19 16-0502	MLF	4	Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,216.46	1,511.70
26 05 19 16-0503	MLF	4	Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,978.71	1,724.63
26 05 19 16-0504	MLF	4	Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	9,297.85	1,913.20
26 05 19 16-0505	MLF	4	Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	12,797.41	2,107.52
26 05 19 16-0506	MLF	4	Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	15,763.91	2,254.94
26 05 19 16-0507	MLF	4	Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	21,023.10	2,400.90
26 05 19 16-0508	MLF	4	Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	27,374.48	2,545.63
26 05 19 16-0509			MC, Solid Or Stranded, Aluminum Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0510	MLF	2	Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	3,824.27	1,224.45
26 05 19 16-0511	MLF	2	Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,216.27	1,375.79
26 05 19 16-0512	MLF	2	Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	5,150.30	1,511.70
26 05 19 16-0513	MLF	3	Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,619.81	1,375.79
26 05 19 16-0514	MLF	3	Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,979.58	1,511.70
26 05 19 16-0515	MLF	3	Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	6,440.25	1,724.63
26 05 19 16-0516	MLF	4	Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	5,918.28	1,511.70
26 05 19 16-0517	MLF	4	Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	6,487.37	1,724.63
26 05 19 16-0518	MLF	4	Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	9,297.85	1,913.20
26 05 19 16-0519			FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0449)</small>		
			Note: Color coded red.		
26 05 19 16-0520	MLF	#18/2	With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,027.14	930.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0521 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,566.77	1,077.52
26 05 19 16-0522 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	5,695.74	1,224.45
26 05 19 16-0523 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	6,543.30	1,371.38
26 05 19 16-0524 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,577.98	1,077.52
26 05 19 16-0525 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,426.57	1,224.45
26 05 19 16-0526 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	6,866.51	1,371.38
26 05 19 16-0527 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	7,824.19	1,518.31
26 05 19 16-0528 FPLP Solid THHN Red Armored Cable (26 05 19 16-0449)		
Note: Color coded red.		
26 05 19 16-0529 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,076.85	1,224.45
26 05 19 16-0530 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	6,350.59	1,371.38
26 05 19 16-0531 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	8,545.04	1,518.31
26 05 19 16-0532 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	9,937.06	1,665.25
26 05 19 16-0533 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	6,458.67	1,371.38
26 05 19 16-0534 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	7,952.66	1,518.31
26 05 19 16-0535 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0449)		
Note: Color coded red.		
26 05 19 16-0536 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,394.19	930.58
26 05 19 16-0537 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	7,078.58	1,371.38
26 05 19 16-0538 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,425.26	1,077.52
26 05 19 16-0539 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	6,423.73	1,224.45
26 05 19 16-0540 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	8,990.60	1,518.31
26 05 19 16-0541 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,351.44	1,273.43
26 05 19 16-0542 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	7,879.16	1,469.34
26 05 19 16-0543 Armored Cable Connectors (26 05 19 16-0449)		
26 05 19 16-0544 EA 3/4" Armored Cable Connector.....	7.48	2.69
For Work In Restricted Working Space, Add		
For Elevated Installation >10' To 15', Add	2.02	
For Elevated Installation >15' To 20', Add	0.67	
For Elevated Installation >20' To 25', Add	1.34	
For Elevated Installation >25' To 30', Add	1.68	
For Elevated Installation >30' To 35', Add	2.35	
For Elevated Installation >35' To 40', Add	2.69	
For Elevated Installation >40', Add	3.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 19 16-0545 EA 1" Armored Cable Connector.....	9.97	3.58
For Work In Restricted Working Space, Add		
For Elevated Installation >10' To 15', Add	2.69	
For Elevated Installation >15' To 20', Add	0.90	
For Elevated Installation >20' To 25', Add	1.79	
For Elevated Installation >25' To 30', Add	2.24	
For Elevated Installation >30' To 35', Add	3.13	
For Elevated Installation >35' To 40', Add	3.58	
For Elevated Installation >40', Add	4.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.92	
26 05 19 16-0546 EA 1-1/4" Armored Cable Connector.....	12.54	4.48
For Work In Restricted Working Space, Add		
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	1.12	
For Elevated Installation >20' To 25', Add	2.24	
For Elevated Installation >25' To 30', Add	2.80	
For Elevated Installation >30' To 35', Add	3.92	
For Elevated Installation >35' To 40', Add	4.48	
For Elevated Installation >40', Add	5.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.15	
26 05 19 16-0547 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0309)		
26 05 19 16-0548 MLF #12 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	945.80	271.65
26 05 19 16-0549 MLF #10 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,195.58	319.43
26 05 19 16-0550 MLF #8 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,724.77	434.46
26 05 19 16-0551 MLF #6 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,417.50	520.05
26 05 19 16-0552 MLF #4 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,283.47	606.31
26 05 19 16-0553 MLF #2 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,780.35	781.07
26 05 19 16-0554 MLF #1 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,765.85	869.02
26 05 19 16-0555 MLF 1/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,713.61	979.11
26 05 19 16-0556 MLF 2/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,675.16	1,086.19
26 05 19 16-0557 MLF 3/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,247.85	1,219.67
26 05 19 16-0558 MLF 4/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,132.93	1,345.54
26 05 19 16-0559 MLF 250 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,186.41	1,479.14
26 05 19 16-0560 MLF 300 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,333.15	1,616.76
26 05 19 16-0561 MLF 350 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	17,653.49	1,737.92
26 05 19 16-0562 MLF 400 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	19,886.29	1,931.04
26 05 19 16-0563 MLF 500 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	23,881.70	2,128.07

26 Electrical

26 05 Common Work Results for Electrical

26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0564	MLF		#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	918.39	179.36
			<i>For EPR Insulation, Add</i>	37.06	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	86.48	
26 05 19 16-0565	MLF		#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,035.07	198.60
			<i>For EPR Insulation, Add</i>	37.78	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	88.15	
26 05 19 16-0566	MLF		#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,262.81	248.28
			<i>For EPR Insulation, Add</i>	55.16	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	128.71	
26 05 19 16-0567	MLF		#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,723.41	394.96
			<i>For EPR Insulation, Add</i>	90.68	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	211.59	
26 05 19 16-0568	MLF		#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,358.51	473.95
			<i>For EPR Insulation, Add</i>	152.38	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	355.56	
26 05 19 16-0569	MLF		#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,215.18	550.25
			<i>For EPR Insulation, Add</i>	230.53	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	537.91	
26 05 19 16-0570	MLF		#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,668.33	629.80
			<i>For EPR Insulation, Add</i>	264.94	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	618.19	
26 05 19 16-0571	MLF		#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,621.96	709.35
			<i>For EPR Insulation, Add</i>	374.42	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	873.64	
26 05 19 16-0572	MLF		#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,722.27	790.03
			<i>For EPR Insulation, Add</i>	505.90	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,180.43	
26 05 19 16-0573	MLF		1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,897.49	891.28
			<i>For EPR Insulation, Add</i>	631.84	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,474.28	
26 05 19 16-0574	MLF		2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,315.80	988.40
			<i>For EPR Insulation, Add</i>	794.23	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,853.21	
26 05 19 16-0575	MLF		3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,973.18	1,103.42
			<i>For EPR Insulation, Add</i>	992.49	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,315.81	
26 05 19 16-0576	MLF		4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,248.36	1,226.83
			<i>For EPR Insulation, Add</i>	1,133.42	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,644.64	
26 05 19 16-0577	MLF		250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,979.84	1,345.54
			<i>For EPR Insulation, Add</i>	1,192.79	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,783.18	
26 05 19 16-0578	MLF		300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,131.22	1,479.14
			<i>For EPR Insulation, Add</i>	1,465.15	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,418.68	
26 05 19 16-0579	MLF		350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,761.52	1,568.08
			<i>For EPR Insulation, Add</i>	1,659.35	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,871.81	
26 05 19 16-0580	MLF		400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	17,656.40	1,752.58
			<i>For EPR Insulation, Add</i>	1,893.23	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,417.54	
26 05 19 16-0581	MLF		500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	20,170.50	1,949.17
			<i>For EPR Insulation, Add</i>	2,220.00	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	5,179.99	
26 05 19 16-0582	MLF		600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	23,610.46	2,027.94
			<i>For EPR Insulation, Add</i>	2,668.86	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	6,227.34	
26 05 19 16-0583	MLF		750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	38,262.87	2,106.59
			<i>For EPR Insulation, Add</i>	4,766.02	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	11,120.72	
26 05 19 16-0584	MLF		1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	48,161.88	2,250.92
			<i>For EPR Insulation, Add</i>	6,183.74	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	14,428.74	
26 05 19 16-0585	MLF		#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,561.69	402.57
26 05 19 16-0586	MLF		#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,942.83	447.55
26 05 19 16-0587	MLF		#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,434.02	537.50
26 05 19 16-0588	MLF		#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,883.87	626.34
26 05 19 16-0589	MLF		#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,249.58	670.65
26 05 19 16-0590	MLF		#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	528.21	223.77
26 05 19 16-0591	MLF		#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	658.70	246.15
26 05 19 16-0592	MLF		#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	677.24	179.47
26 05 19 16-0593	MLF		#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	839.87	213.93
26 05 19 16-0594	MLF		#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,036.43	269.08
26 05 19 16-0595	MLF		#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,447.73	354.68
26 05 19 16-0596	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,959.49	428.29
26 05 19 16-0597	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,577.62	506.17
26 05 19 16-0598	MLF		#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,076.40	572.97
26 05 19 16-0599	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,669.52	641.67
26 05 19 16-0600	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,361.02	724.13
26 05 19 16-0601	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,072.57	792.94
26 05 19 16-0602	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,749.35	876.29
26 05 19 16-0603	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,801.46	926.86
26 05 19 16-0604	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,088.57	1,042.78
26 05 19 16-0605	MLF		250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,479.06	1,109.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0606 MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,926.84	1,256.37
26 05 19 16-0607 MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,481.23	1,390.40
26 05 19 16-0608 MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,981.84	1,428.45
26 05 19 16-0609 MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,564.76	1,511.25
26 05 19 16-0610 MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,490.50	1,778.43
26 05 19 16-0611 MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	31,231.05	2,106.59
26 05 19 16-0612 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	37,395.64	2,543.39
26 05 19 16-0613 MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,800.54	537.50
26 05 19 16-0614 MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,111.56	626.34
26 05 19 16-0615 MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,605.89	716.63
26 05 19 16-0616 MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,690.27	805.25
26 05 19 16-0617 MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,315.52	895.08
26 05 19 16-0618 MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,784.59	983.70

26 05 19 16-0619 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0309)

26 05 19 16-0620 MLF #6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,297.67	339.89
26 05 19 16-0621 MLF #4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,540.21	395.22
26 05 19 16-0622 MLF #2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,017.76	507.33
26 05 19 16-0623 MLF #1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,513.87	566.53
26 05 19 16-0624 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,912.94	638.27
26 05 19 16-0625 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,317.78	704.47
26 05 19 16-0626 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,921.35	795.03
26 05 19 16-0627 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,341.61	877.13
26 05 19 16-0628 MLF 250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,033.89	964.25
26 05 19 16-0629 MLF 300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,244.91	1,048.61
26 05 19 16-0630 MLF 350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,515.70	1,132.94
26 05 19 16-0631 MLF 400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,456.71	1,260.14
26 05 19 16-0632 MLF 500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,218.18	1,387.29
26 05 19 16-0633 MLF 600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,058.29	1,616.04
26 05 19 16-0634 MLF 700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,376.60	1,771.63
26 05 19 16-0635 MLF 750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,611.52	1,837.31
26 05 19 16-0636 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	16,020.84	2,228.77
26 05 19 16-0637 MLF #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,564.93	397.31
26 05 19 16-0638 MLF #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,759.40	447.55
26 05 19 16-0639 MLF #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,165.98	550.59
26 05 19 16-0640 MLF #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,759.09	674.89
26 05 19 16-0641 MLF #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,555.84	794.51
26 05 19 16-0642 MLF 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,122.20	895.43
26 05 19 16-0643 MLF 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,712.33	994.55
26 05 19 16-0644 MLF 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,477.79	1,085.07
26 05 19 16-0645 MLF 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,959.59	1,154.77
26 05 19 16-0646 MLF 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,840.01	1,235.56
26 05 19 16-0647 MLF 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,491.69	1,324.17
26 05 19 16-0648 MLF 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,842.95	1,430.46
26 05 19 16-0649 MLF 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,057.63	1,559.91
26 05 19 16-0650 MLF 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,267.56	1,790.18
26 05 19 16-0651 MLF 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,315.81	1,883.93
26 05 19 16-0652 MLF 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,900.10	1,986.20
26 05 19 16-0653 MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,313.19	2,110.84
26 05 19 16-0654 MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	22,336.98	2,958.26
26 05 19 16-0655 MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,817.59	447.55
26 05 19 16-0656 MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,274.43	550.48
26 05 19 16-0657 MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,847.42	675.79
26 05 19 16-0658 MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,631.95	790.03
26 05 19 16-0659 MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,104.75	891.28
26 05 19 16-0660 MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,667.05	988.40
26 05 19 16-0661 MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,467.73	1,085.07
26 05 19 16-0662 MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,001.31	1,154.77
26 05 19 16-0663 MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,880.07	1,234.78
26 05 19 16-0664 MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,505.18	1,325.85
26 05 19 16-0665 MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,971.16	1,432.36
26 05 19 16-0666 MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,959.92	1,556.34
26 05 19 16-0667 MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,462.72	1,790.18
26 05 19 16-0668 MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,281.58	1,878.90
26 05 19 16-0669 MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,827.67	1,986.20
26 05 19 16-0670 MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,362.87	2,104.46

26 05 19 16-0671 600 Volt, Single Stranded Copper, Low Smoke Zero Halogen (26 05 19 16-0309)

26 05 19 16-0672 MLF #14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	685.22	179.47
26 05 19 16-0673 MLF #12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	873.15	213.93
26 05 19 16-0674 MLF #10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,181.15	269.08
26 05 19 16-0675 MLF #8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,771.58	354.68
26 05 19 16-0676 MLF #6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	2,533.64	428.29
26 05 19 16-0677 MLF #4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,293.19	506.17
26 05 19 16-0678 MLF #3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,956.56	572.97
26 05 19 16-0679 MLF #2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,795.27	641.67
26 05 19 16-0680 MLF #1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,498.91	724.13
26 05 19 16-0681 MLF 1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,291.28	792.94
26 05 19 16-0682 MLF 2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	7,247.11	876.29

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0683	MLF		3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	8,740.59	926.86
26 05 19 16-0684	MLF		4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	10,600.34	1,042.78
26 05 19 16-0685	MLF		250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	12,045.63	1,109.35
26 05 19 16-0686	MLF		300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	14,161.32	1,256.37
26 05 19 16-0687	MLF		350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	16,412.10	1,390.40
26 05 19 16-0688	MLF		400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	17,945.54	1,428.45
26 05 19 16-0689	MLF		500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	21,591.07	1,511.25
26 05 19 16-0690	MLF		600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	25,819.50	1,778.43
26 05 19 16-0691	MLF		750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	33,564.06	2,106.59
26 05 19 16-0692	MLF		1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	43,641.89	2,543.39
26 05 19 16-0693			Non-Metallic Sheathed Cable <small>(26 05 19 16-0693)</small>		
26 05 19 16-0694			Indoor Installation <small>(26 05 19 16-0693)</small> Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0695	MLF		#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,087.39	850.23
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	318.83	
26 05 19 16-0696	MLF		#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,892.21	1,029.35
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	366.02	
26 05 19 16-0697	MLF		#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,923.01	1,138.99
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	427.13	
26 05 19 16-0698	MLF		#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,954.05	966.69
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	344.05	
26 05 19 16-0699	MLF		#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,822.54	1,073.88
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	402.72	
26 05 19 16-0700	MLF		#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,851.29	1,199.42
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	449.78	
26 05 19 16-0701	MLF		#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,977.02	1,074.44
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	402.93	
26 05 19 16-0702	MLF		#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,131.89	1,253.35
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	470.00	
26 05 19 16-0703	MLF		#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,728.05	1,432.14
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	537.05	
26 05 19 16-0704	MLF		#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,793.96	1,286.69
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	458.17	
26 05 19 16-0705	MLF		#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,554.25	1,555.21
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	553.84	
26 05 19 16-0706	MLF		#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,953.68	1,465.71
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	520.27	
26 05 19 16-0707	MLF		#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	17,390.95	1,767.80
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	629.36	
26 05 19 16-0708	MLF		#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	41,314.93	1,946.82
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	692.29	
26 05 19 16-0709	MLF		#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	48,275.62	2,114.64
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	755.23	
26 05 19 16-0710			Direct Burial Cable <small>(26 05 19 16-0693)</small> Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0711	MLF		#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,506.82	
26 05 19 16-0712	MLF		#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,258.35	
26 05 19 16-0713	MLF		#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,173.63	
26 05 19 16-0714	MLF		#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,033.29	
26 05 19 16-0715	MLF		#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,433.25	
26 05 19 16-0716	MLF		#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,874.67	
26 05 19 16-0717	MLF		#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,218.48	
26 05 19 16-0718	MLF		#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	6,655.09	
26 05 19 16-0719	MLF		#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	6,553.28	
26 05 19 16-0720	MLF		#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	8,574.77	
26 05 19 16-0721			SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0693)</small>		
26 05 19 16-0722	MLF		12-12-12 Cable SEU Copper	3,257.42	1,077.88
26 05 19 16-0723	MLF		10-10-10 Cable SEU Copper	4,067.17	1,224.45
26 05 19 16-0724	MLF		8-8-8 Cable SEU Copper	5,035.99	1,371.14
26 05 19 16-0725	MLF		6-6-8 Cable SEU Copper	6,051.89	1,469.95
26 05 19 16-0726	MLF		6-6-6 Cable SEU Copper	6,500.23	1,519.18
26 05 19 16-0727	MLF		4-4-6 Cable SEU Copper	7,894.46	1,665.86
26 05 19 16-0728	MLF		4-4-4 Cable SEU Copper	8,493.75	1,714.96
26 05 19 16-0729	MLF		3-3-5 Cable SEU Copper	9,868.38	1,860.92
26 05 19 16-0730	MLF		3-3-3 Cable SEU Copper	10,479.22	1,959.12
26 05 19 16-0731	MLF		2-2-4 Cable SEU Copper	11,189.24	2,057.93
26 05 19 16-0732	MLF		2-2-2 Cable SEU Copper	11,956.05	2,155.77
26 05 19 16-0733	MLF		1-1-1 Cable SEU Copper	14,606.00	2,448.90
26 05 19 16-0734	MLF		1/0-1/0-1/0 Cable SEU Copper	17,356.82	2,745.46
26 05 19 16-0735	MLF		2/0-2/0-2/0 Cable SEU Copper	20,868.93	3,092.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0736 MLF 3/0-3/0-3/0 Cable SEU Copper	25,065.95	3,439.48
26 05 19 16-0737 MLF 4/0-4/0-4/0 Cable SEU Copper	28,011.77	3,838.40
26 05 19 16-0738 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0693)		
26 05 19 16-0739 MLF 8-8-8 Cable SEU Aluminum.....	4,672.38	1,375.79
26 05 19 16-0740 MLF 6-6-6 Cable SEU Aluminum.....	5,364.31	1,511.70
26 05 19 16-0741 MLF 4-4-6 Cable SEU Aluminum.....	6,053.19	1,654.72
26 05 19 16-0742 MLF 4-4-4 Cable SEU Aluminum.....	6,343.78	1,724.63
26 05 19 16-0743 MLF 2-2-4 Cable SEU Aluminum.....	7,605.35	2,040.79
26 05 19 16-0744 MLF 2-2-2 Cable SEU Aluminum.....	8,085.50	2,148.17
26 05 19 16-0745 MLF 1-1-1 Cable SEU Aluminum.....	9,801.61	2,448.90
26 05 19 16-0746 MLF 1/0-1/0-2 Cable SEU Aluminum.....	10,385.37	2,577.83
26 05 19 16-0747 MLF 1/0-1/0-1/0 Cable SEU Aluminum.....	12,903.04	2,720.97
26 05 19 16-0748 MLF 2/0-2/0-1 Cable SEU Aluminum.....	11,722.39	2,915.41
26 05 19 16-0749 MLF 2/0-2/0-2/0 Cable SEU Aluminum.....	12,396.25	3,061.12
26 05 19 16-0750 MLF 3/0-3/0-1/0 Cable SEU Aluminum.....	13,591.96	3,205.36
26 05 19 16-0751 MLF 3/0-3/0-3/0 Cable SEU Aluminum.....	14,560.19	3,401.27
26 05 19 16-0752 MLF 4/0-4/0-2/0 Cable SEU Aluminum.....	15,313.53	3,677.02
26 05 19 16-0753 MLF 4/0-4/0-4/0 Cable SEU Aluminum.....	16,212.03	3,826.40
26 05 19 16-0754 SER Cable Copper, 4 Conductor (26 05 19 16-0693)		
26 05 19 16-0755 MLF 6-6-6-6 Cable SER Copper.....	10,362.21	1,764.31
26 05 19 16-0756 MLF 4-4-4-6 Cable SER Copper.....	11,362.39	1,910.26
26 05 19 16-0757 MLF 3-3-3-5 Cable SER Copper.....	14,077.63	2,155.77
26 05 19 16-0758 MLF 2-2-2-4 Cable SER Copper.....	16,114.64	2,350.20
26 05 19 16-0759 MLF 1-1-1-3 Cable SER Copper.....	18,781.50	2,691.09
26 05 19 16-0760 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	22,872.18	3,084.26
26 05 19 16-0761 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	28,648.86	3,327.31
26 05 19 16-0762 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	33,089.14	3,721.71
26 05 19 16-0763 SER Cable Aluminum, 4 Conductor (26 05 19 16-0693)		
26 05 19 16-0764 MLF 8-8-8-8 Cable SER Aluminum.....	5,282.81	1,646.76
26 05 19 16-0765 MLF 6-6-6-6 Cable SER Aluminum.....	5,747.00	1,764.31
26 05 19 16-0766 MLF 4-4-4-6 Cable SER Aluminum.....	6,407.01	1,910.26
26 05 19 16-0767 MLF 2-2-2-4 Cable SER Aluminum.....	8,048.28	2,350.20
26 05 19 16-0768 MLF 1-1-1-3 Cable SER Aluminum.....	9,633.99	2,691.09
26 05 19 16-0769 MLF 1/0-1/0-1/0-2 Cable SER Aluminum.....	10,901.45	3,084.26
26 05 19 16-0770 MLF 2/0-2/0-2/0-1 Cable SER Aluminum.....	12,147.73	3,327.31
26 05 19 16-0771 MLF 3/0-3/0-3/0-1/0 Cable SER Aluminum.....	13,803.33	3,721.71
26 05 19 16-0772 MLF 4/0-4/0-4/0-2/0 Cable SER Aluminum.....	15,643.12	4,147.08
26 05 19 16-0773 Control Tray Cable, Low Voltage (26 05 19 16-0011)		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0774 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,103.31	542.76
For Work In Restricted Working Space, Add	271.38	
26 05 19 16-0775 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,267.38	607.14
For Work In Restricted Working Space, Add	303.57	
26 05 19 16-0776 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,319.43	607.09
For Work In Restricted Working Space, Add	303.57	
26 05 19 16-0777 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,652.35	761.47
For Work In Restricted Working Space, Add	380.74	
26 05 19 16-0778 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,071.70	927.93
For Work In Restricted Working Space, Add	463.96	
26 05 19 16-0779 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,353.57	1,020.40
For Work In Restricted Working Space, Add	510.20	
26 05 19 16-0780 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,784.01	1,159.43
For Work In Restricted Working Space, Add	579.72	
26 05 19 16-0781 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,506.87	1,417.14
For Work In Restricted Working Space, Add	708.58	
26 05 19 16-0782 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,986.64	1,546.04
For Work In Restricted Working Space, Add	773.02	
26 05 19 16-0783 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,653.86	1,594.37
For Work In Restricted Working Space, Add	797.19	
26 05 19 16-0784 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,718.38	1,991.79
For Work In Restricted Working Space, Add	995.90	
26 05 19 16-0785 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	6,841.38	2,327.79
For Work In Restricted Working Space, Add	1,163.90	
26 05 19 16-0786 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,200.54	571.74
For Work In Restricted Working Space, Add	285.65	
26 05 19 16-0787 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,384.52	639.09
For Work In Restricted Working Space, Add	319.55	
26 05 19 16-0788 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,610.68	735.76
For Work In Restricted Working Space, Add	367.88	
26 05 19 16-0789 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,814.95	801.55
For Work In Restricted Working Space, Add	400.78	
26 05 19 16-0790 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,284.39	976.76
For Work In Restricted Working Space, Add	488.38	

26 Electrical

26 05 Common Work Results for Electrical

26 05 19 Low-Voltage Electrical Power Conductors and Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0791 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,606.31 537.05	1,074.11
26 05 19 16-0792 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,098.61 610.23	1,220.45
26 05 19 16-0793 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,917.29 745.83	1,491.66
26 05 19 16-0794 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,474.49 813.64	1,627.27
26 05 19 16-0795 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,292.86 839.15	1,678.29
26 05 19 16-0796 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,492.59 1,048.26	2,096.51
26 05 19 16-0797 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,786.00 1,225.15	2,450.30
26 05 19 16-0798 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,296.28 298.40	596.80
26 05 19 16-0799 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,538.75 335.66	671.31
26 05 19 16-0800 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,799.28 383.66	767.31
26 05 19 16-0801 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,016.02 413.19	826.39
26 05 19 16-0802 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,664.17 506.51	1,013.02
26 05 19 16-0803 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,059.77 559.54	1,118.86
26 05 19 16-0804 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,725.17 624.32	1,248.65
26 05 19 16-0805 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,449.55 745.83	1,491.44
26 05 19 16-0806 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,335.11 866.33	1,733.11
26 05 19 16-0807 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,618.71 1,013.35	2,026.25
26 05 19 16-0808 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,671.83 1,132.17	2,264.35
26 05 19 16-0809 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,223.35 1,323.16	2,646.33
26 05 19 16-0810 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,496.88 319.55	639.09
26 05 19 16-0811 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,775.47 353.45	707.12
26 05 19 16-0812 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,148.53 406.82	813.64
26 05 19 16-0813 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,419.14 433.00	866.00
26 05 19 16-0814 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,163.83 516.24	1,032.48
26 05 19 16-0815 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,891.09 610.23	1,220.45
26 05 19 16-0816 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,707.69 688.43	1,376.87
26 05 19 16-0817 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,589.68 789.80	1,579.61
26 05 19 16-0818 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,591.54 895.20	1,790.40
26 05 19 16-0819 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,396.11 1,046.25	2,092.49
26 05 19 16-0820 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,727.99 1,222.80	2,445.60
26 05 19 16-0821 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,742.68 1,429.23	2,858.46
26 05 19 16-0822 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,763.49 335.66	671.31
26 05 19 16-0823 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,178.42 367.88	736.21
26 05 19 16-0824 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,640.51 419.57	839.14
26 05 19 16-0825 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,054.81 455.15	910.30
26 05 19 16-0826 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,116.14 571.29	1,142.58
26 05 19 16-0827 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,863.70 639.43	1,278.85
26 05 19 16-0828 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,667.83 745.83	1,491.66
26 05 19 16-0829 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,687.12 852.91	1,705.81
26 05 19 16-0830 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,912.12 966.70	1,933.39
26 05 19 16-0831 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,147.29 1,129.82	2,259.65
26 05 19 16-0832 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,749.17 1,320.48	2,640.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0833 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	14,217.78 1,543.69	3,087.38
26 05 19 16-0834 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0835 ACSR Cable (26 05 19 16-0834)		
26 05 19 16-0836 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,087.01	561.51
26 05 19 16-0837 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,266.06	583.05
26 05 19 16-0838 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,536.86	605.50
26 05 19 16-0839 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,715.87	627.42
26 05 19 16-0840 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,207.73	648.70
26 05 19 16-0841 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,811.76	735.36
26 05 19 16-0842 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,519.39	820.08
26 05 19 16-0843 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	5,333.12	905.97
26 05 19 16-0844 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	5,872.94	1,164.28
26 05 19 16-0845 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	6,639.78	1,335.54
26 05 19 16-0846 All Aluminum Conductors (26 05 19 16-0834)		
26 05 19 16-0847 MLF 795.0 ACSR Conductor Aluminum	42,533.83	11,017.09
26 05 19 16-0848 Single Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0849 Bare Stranded Conductor (26 05 19 16-0848)		
26 05 19 16-0850 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,387.94	475.75
26 05 19 16-0851 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,601.97	518.56
26 05 19 16-0852 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,817.41	561.90
26 05 19 16-0853 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,174.88	605.50
26 05 19 16-0854 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,590.34	649.22
26 05 19 16-0855 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,615.81	778.70
26 05 19 16-0856 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,136.48	864.97
26 05 19 16-0857 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,697.20	949.69
26 05 19 16-0858 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	6,207.80	1,126.40
26 05 19 16-0859 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,488.40	1,295.05
26 05 19 16-0860 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,085.89	1,467.74
26 05 19 16-0861 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,155.45	1,729.81
26 05 19 16-0862 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,420.32	1,820.89
26 05 19 16-0863 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	12,781.72	1,906.90
26 05 19 16-0864 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	14,048.91	1,985.14
26 05 19 16-0865 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	16,226.16	2,069.86
26 05 19 16-0866 Insulated Stranded Conductor (26 05 19 16-0848)		
26 05 19 16-0867 MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,476.57	475.75
26 05 19 16-0868 MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,716.34	518.56
26 05 19 16-0869 MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,043.17	561.90
26 05 19 16-0870 MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,217.61	605.50
26 05 19 16-0871 MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,655.54	649.22
26 05 19 16-0872 MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,521.65	778.70
26 05 19 16-0873 MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,127.08	864.97
26 05 19 16-0874 MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,828.29	949.69
26 05 19 16-0875 MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,805.21	1,126.40
26 05 19 16-0876 MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,927.23	1,295.05
26 05 19 16-0877 MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,129.67	1,467.74
26 05 19 16-0878 MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	9,887.59	1,729.81
26 05 19 16-0879 MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,129.32	1,820.89
26 05 19 16-0880 MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,149.25	1,906.90
26 05 19 16-0881 MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	13,524.51	1,985.14
26 05 19 16-0882 MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	15,110.78	2,069.86
26 05 19 16-0883 Bare Solid Conductor (26 05 19 16-0848)		
26 05 19 16-0884 MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,387.94	475.75
26 05 19 16-0885 MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,817.41	561.90
26 05 19 16-0886 MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,174.88	605.50
26 05 19 16-0887 MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,563.40	649.22
26 05 23 Control-Voltage Electrical Power Cables (26 05)		
26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)		
26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001) Note: For surface or conduit installation.		
26 05 23 00-0003 MLF #20/2 Conductor, Low Volt Thermostat Cable	481.09	142.66
26 05 23 00-0004 MLF #20/3 Conductor, Low Volt Thermostat Cable	548.31	150.27
26 05 23 00-0005 MLF #20/4 Conductor, Low Volt Thermostat Cable	593.97	158.88
26 05 23 00-0006 MLF #20/5 Conductor, Low Volt Thermostat Cable	709.81	165.59

26 Electrical**26 05 Common Work Results for Electrical****26 05 23 Control-Voltage Electrical Power Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 23 00-0007 MLF #20/6 Conductor, Low Volt Thermostat Cable	743.93	173.42
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable	818.04	180.64
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable	882.48	187.86
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable	957.47	195.36
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable	1,029.44	201.22
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable	521.56	142.66
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable	620.52	150.27
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable	708.53	158.88
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable	757.11	165.59
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable	838.93	173.42
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable	861.66	180.64
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable	949.05	187.86
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable	1,117.19	195.36
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable	1,226.44	201.22
26 05 26 Grounding and Bonding for Electrical Systems (26 05)		
26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)		
26 05 26 00-0002 Single Conductor (26 05 26 00-0001)		
26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	587.70	230.08
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	763.09	230.08
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	939.41	277.14
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	1,265.18	277.14
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	1,675.26	334.66
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	2,593.46	334.66
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	2,990.77	402.65
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	3,504.49	402.65
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	4,873.40	507.22
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	5,989.55	507.22
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	6,378.50	674.56
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	8,149.66	674.56
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	8,192.32	779.14
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	10,974.27	779.14
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	14,938.10	962.16
26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	1,056.98	313.75
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	1,137.79	313.75
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,447.68	313.75
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	1,654.37	543.83
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	2,216.59	543.83
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	3,104.42	543.83
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	3,738.90	951.71
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	4,548.40	951.71
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	5,310.65	951.71
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	6,300.43	951.71
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	7,408.95	1,244.54
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	8,925.34	1,244.54
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	10,372.44	1,244.54
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	12,197.69	1,934.78
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	15,857.70	1,934.78
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	587.70	230.08
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	763.09	230.08
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	939.41	277.14
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,265.18	277.14
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	1,675.26	334.66
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	2,593.46	334.66
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	3,504.49	402.65
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	6,378.50	533.37
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	788.03	277.14
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	877.43	277.14
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	1,016.82	334.66
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	1,305.44	334.66
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	1,542.43	402.65
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	1,767.30	402.65
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	2,027.69	507.22
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	2,354.41	507.22
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	2,793.79	674.56
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	3,159.03	674.56
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	3,841.34	779.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	4,415.72	779.14
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	5,177.57	962.16
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	788.03	277.14
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	877.43	277.14
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	1,016.82	334.66
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	1,305.44	334.66
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	1,500.22	533.37
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	1,767.30	533.37
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	1,923.13	507.22
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	2,143.88	507.22
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	2,793.79	674.56
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor	3,159.03	674.56
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor	3,841.34	779.14
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor	4,415.72	779.14
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor	5,177.57	962.16
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.94	0.84
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.24	0.93
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.86	1.06
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.88	1.09
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.07	1.14
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	141.79	30.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.37	
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	244.69	36.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	22.04	
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	313.24	36.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	22.04	
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	380.85	36.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	22.04	
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	329.42	39.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	27.55	
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	428.04	39.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	27.55	
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	513.72	39.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	27.55	
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	428.81	50.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	30.31	
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	515.67	61.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	36.73	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit.....	189.04	67.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	38.27	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	232.90	67.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	47.10	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit.....	341.42	104.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	55.66	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit.....	504.95	104.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	68.03	
26 05 26 00-0093 Ground Rods (26 05 26)		
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods	105.15	91.83
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods	109.72	91.83
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods	128.15	91.83
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods	123.79	91.83
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	129.50	91.83
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	152.54	91.83
26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	353.59	91.83
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	440.07	91.83
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	683.46	91.83
26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	287.19	
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	297.69	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	866.45	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	876.95	
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	565.19	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	688.42	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,514.61	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	428.50	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	518.43	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,354.95	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	246.36	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	338.91	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	403.57	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	200.41	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	312.49	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	467.73	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	645.28	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	448.20	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	482.18	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	863.83	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	1,090.95	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	480.19	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	655.11	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy duty.	647.40	
26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well	546.43	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	599.55	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well	602.17	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	660.63	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well	660.08	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	724.37	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well	881.09	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	968.77	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	198.54	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	276.89	
26 05 26 00-0144 Clay Tile Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0145 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	313.88	
26 05 26 00-0146 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	330.15	
26 05 26 00-0147 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	100.40	
26 05 26 00-0148 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0149 Bronze Ground Rod Clamp (26 05 26 00-0148)		
26 05 26 00-0150 EA 1/2" Bronze Ground Rod Clamp	24.83	13.84
26 05 26 00-0151 EA 5/8" Bronze Ground Rod Clamp	25.98	13.84
26 05 26 00-0152 EA 3/4" Bronze Ground Rod Clamp	27.62	13.84



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0153				Bronze Pipe Clamps (26 05 26 00-0148)		
26 05 26 00-0154	EA			1/2" To 1" Bronze Pipe Ground Clamps	32.78	23.02
26 05 26 00-0155	EA			1-1/4" To 2" Bronze Ground Clamps For Pipe	41.55	27.55
26 05 26 00-0156	EA			2-1/2" To 3" Bronze Ground Clamps For Pipe	60.93	32.21
26 05 26 00-0157	EA			2-1/2" To 4" Bronze Ground Clamps For Pipe	74.73	41.39
26 05 26 00-0158	EA			4" To 6" Bronze Ground Clamps For Pipe	114.04	59.76
26 05 26 00-0159				Grounding Fittings (26 05 26 00-0148)		
26 05 26 00-0160				Embedded Fittings (26 05 26 00-0159)		
26 05 26 00-0161	EA			Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	167.22	
26 05 26 00-0162	EA			Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	177.65	
26 05 26 00-0163	EA			Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	196.16	
26 05 26 00-0164	EA			#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	162.12	
26 05 26 00-0165	EA			1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	194.24	
26 05 26 00-0166	EA			4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	227.88	
26 05 26 00-0167	EA			350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	256.89	
26 05 26 00-0168				Ground Rod Receptacle (26 05 26 00-0159)		
26 05 26 00-0169	EA			1/2" Ground Rod Receptacle	361.01	127.34
26 05 26 00-0170	EA			5/8" Ground Rod Receptacle	377.40	130.93
26 05 26 00-0171	EA			3/4" Ground Rod Receptacle	394.16	134.49
26 05 26 00-0172				Ground Kits For Circuit Breaker Panels (26 05 26 00-0159)		
26 05 26 00-0173	EA			14-8 AWG Copper Ground Kit	80.87	30.61
26 05 26 00-0174	EA			12-8 AWG Aluminum Ground Kit	87.62	30.61
26 05 26 00-0175	EA			14-4 AWG Copper Ground Kit	89.64	30.61
26 05 26 00-0176	EA			12-4 AWG Aluminum Ground Kit	106.09	30.61
26 05 26 00-0177				Insulated Grounding Bars (26 05 26 00-0148)		
26 05 26 00-0178	EA			1/2" x 4" x 10" Insulated Ground Bar	337.98	30.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.10	
26 05 26 00-0179	EA			Insulated Ground Bar SK 9560 1/2" x 4" x 20"	354.93	30.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.10	
26 05 26 00-0180				Ground Conductor Bonding (26 05 26)		
26 05 26 00-0181				Ground Conductor Bonding (26 05 26 00-0180)		
26 05 26 00-0182				Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0181)		
26 05 26 00-0183	EA			Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	142.31	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0184	EA			#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	154.56	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0185	EA			1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	166.80	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0186	EA			250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel	240.27	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0187				Tee, Wye Or Cross Cadweld (26 05 26 00-0181)		
26 05 26 00-0188	EA			Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross	160.68	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0189	EA			#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross	185.16	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0190	EA			1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross	228.02	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0191	EA			250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross	276.99	
				Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0192				Grounding Equipment (26 05 26)		
26 05 26 00-0193				Special Grounding Equipment (26 05 26 00-0192)		
26 05 26 00-0194				Ground Reels And Ground Bus (26 05 26 00-0193)		
26 05 26 00-0195	EA			Ground Reel With 50' Of Galvanized Steel Cable	788.46	
26 05 26 00-0196				Copper Bars (26 05 26 00-0193)		
26 05 26 00-0197	LF			1/4" x 2" Copper Bar	45.59	
26 05 26 00-0198				Phenolic Insulators (26 05 26 00-0193)		
26 05 26 00-0199	EA			2" x 2" x 1" Long Phenolic Insulators	32.35	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0200			Grounding Studs <small>(26 05 26 00-0193)</small>		
26 05 26 00-0201	EA		Ball Grounding Stud.....	46.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.97	
26 05 26 00-0202			Equipment Ground Bar Kits <small>(26 05 26 00-0193)</small>		
26 05 26 00-0203	EA		Switch Rating 30 Ground Bar Kit.....	36.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.35	
26 05 26 00-0204	EA		Switch Rating 60 Ground Bar Kit.....	46.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.08	
26 05 26 00-0205	EA		Switch Rating 100 Ground Bar Kit.....	54.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.18	
26 05 26 00-0206	EA		Switch Rating 200 Ground Bar Kit.....	93.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.02	
26 05 26 00-0207			Panelboard Ground Bar Kits <small>(26 05 26 00-0193)</small>		
26 05 26 00-0208	EA		Panelboard Ground Bar Kit.....	135.83	9.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.18	
26 05 26 00-0209			Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0193)</small>		
26 05 26 00-0210	EA		3 Circuit, Ground Bar Kit.....	30.16	5.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 05 26 00-0211	EA		4 Circuit, Ground Bar Kit.....	29.62	5.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 05 26 00-0212	EA		7 Circuit, Ground Bar Kit.....	30.52	5.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 05 26 00-0213	EA		12 Circuit, Ground Bar Kit.....	34.61	6.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.25	
26 05 26 00-0214	EA		20 Circuit, Ground Bar Kit.....	39.42	6.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.98	
26 05 26 00-0215	EA		24 Circuit, Ground Bar Kit.....	43.49	7.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.71	
26 05 26 00-0216	EA		30 Circuit, Ground Bar Kit.....	48.62	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 05 26 00-0217	EA		54 Circuit, Ground Bar Kit.....	56.23	10.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.28	
26 05 26 00-0218	EA		24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	61.81	7.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.71	
26 05 26 00-0219	EA		30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	68.39	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 05 26 00-0220	EA		54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	76.19	10.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.28	
26 05 29			Hangers and Supports for Electrical Systems <small>(26 05)</small>		
26 05 29 00-0001			Metal Framing Channel And Fittings <small>(26 05 29)</small>		
			See CSI section 05 43 00 00-0001 for additional unistrut fittings.		
26 05 29 00-0002			Metal Framing Channel <small>(26 05 29 00-0001)</small>		
			Note: Excludes fasteners and accessories.		
26 05 29 00-0003			14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0004			14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	21.75	6.72
26 05 29 00-0006	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	24.49	6.72
26 05 29 00-0007	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	11.14	2.52
26 05 29 00-0008			14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	44.59	6.72
26 05 29 00-0010	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	49.90	6.72
26 05 29 00-0011	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	70.17	6.72
26 05 29 00-0012	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	80.79	6.72
26 05 29 00-0013	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	33.98	2.53
26 05 29 00-0014	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	39.29	2.53
26 05 29 00-0015			14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	67.52	6.72
26 05 29 00-0017	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	116.03	6.72
26 05 29 00-0018	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	56.91	2.53
26 05 29 00-0019			12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0020			12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 29 00-0021	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	23.23	6.72
	26 05 29 00-0022	EA		Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	22.73	6.72
	26 05 29 00-0023	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	22.40	6.72
	26 05 29 00-0024	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	27.46	6.72
	26 05 29 00-0025	EA		>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	26.45	6.72
	26 05 29 00-0026	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	25.80	6.72
	26 05 29 00-0027	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	12.62	2.52
	26 05 29 00-0028	LF		>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	12.12	2.52
	26 05 29 00-0029	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	11.79	2.52
26 05 29 00-0030				12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
	26 05 29 00-0031	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	51.66	6.72
	26 05 29 00-0032	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	60.82	6.72
	26 05 29 00-0033	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	84.31	6.72
	26 05 29 00-0034	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	102.63	6.72
	26 05 29 00-0035	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	41.05	2.52
	26 05 29 00-0036	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	50.21	2.52
26 05 29 00-0037				Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038				Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039				Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
	26 05 29 00-0040	LF		Steel Raceway Closure Strip, Unistrut Channel Fittings.....	6.30	0.61
	26 05 29 00-0041	EA		Steel End Cap, Unistrut Channel Fittings.....	5.07	1.54
26 05 29 00-0042				Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
	26 05 29 00-0043	EA		Stainless Steel End Cap For Unistrut Channel.....	16.78	1.54
26 05 29 00-0044				Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045				Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
	26 05 29 00-0046	EA		2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	6.34	
	26 05 29 00-0047	EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	6.30	
	26 05 29 00-0048	EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.61	
26 05 29 00-0049				Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
	26 05 29 00-0050	EA		2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	24.78	
	26 05 29 00-0051	EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	37.24	
	26 05 29 00-0052	EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	47.78	
26 05 29 00-0053				90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054				Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
	26 05 29 00-0055	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	6.15	
	26 05 29 00-0056	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	5.19	
	26 05 29 00-0057	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	8.77	
	26 05 29 00-0058	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	8.65	
26 05 29 00-0059				Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
	26 05 29 00-0060	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	13.86	
	26 05 29 00-0061	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	17.51	
	26 05 29 00-0062	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	14.74	
	26 05 29 00-0063	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	21.25	
	26 05 29 00-0064	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	19.36	
	26 05 29 00-0065	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	36.37	
	26 05 29 00-0066	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	20.39	
	26 05 29 00-0067	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	29.92	
26 05 29 00-0068				60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0069				Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)		
	26 05 29 00-0070	EA		2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting.....	12.43	
26 05 29 00-0071				U-Connector, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0072				Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		
	26 05 29 00-0073	EA		3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting.....	4.56	
	26 05 29 00-0074	EA		5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting.....	5.05	
26 05 29 00-0075				Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0076 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	29.70	
26 05 29 00-0077 Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0078 Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0079 EA 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting.....	12.75	
26 05 29 00-0080 Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)		
26 05 29 00-0081 EA 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	58.50	
26 05 29 00-0082 Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex screw and nut.		
26 05 29 00-0083 Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0084 EA 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.09	1.84
26 05 29 00-0085 EA 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.11	1.84
26 05 29 00-0086 EA 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	5.22	1.84
26 05 29 00-0087 EA 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.61	2.45
26 05 29 00-0088 EA 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.18	2.45
26 05 29 00-0089 EA 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.24	2.45
26 05 29 00-0090 EA 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.87	3.07
26 05 29 00-0091 EA 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.38	3.07
26 05 29 00-0092 EA 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.87	3.07
26 05 29 00-0093 EA 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.05	3.07
26 05 29 00-0094 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0095 EA 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.37	1.84
26 05 29 00-0096 EA 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.75	1.84
26 05 29 00-0097 EA 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.14	1.84
26 05 29 00-0098 EA 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.20	2.45
26 05 29 00-0099 EA 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.06	2.45
26 05 29 00-0100 EA 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.08	2.45
26 05 29 00-0101 EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	25.19	3.07
26 05 29 00-0102 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	28.63	3.07
26 05 29 00-0103 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	30.10	3.07
26 05 29 00-0104 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	35.55	3.07
26 05 29 00-0105 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0106 EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.21	1.84
26 05 29 00-0107 EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.18	1.84
26 05 29 00-0108 EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.74	1.84
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.47	2.45
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.23	2.45
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.57	2.45
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	27.80	3.07
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	29.54	3.07
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	41.98	3.07
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	49.59	3.07
26 05 29 00-0116 Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0117 Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0118 EA Set Screw Beam Clamp, Steel Unistrut Channel Fitting.....	37.18	11.19
26 05 29 00-0119 EA "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings.....	25.78	11.19
26 05 29 00-0120 EA "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting.....	36.03	11.19
26 05 29 00-0121 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	63.51	11.19
26 05 29 00-0123 Square Washers For Unistrut Channel (26 05 29 00-0037)		
26 05 29 00-0124 Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	4.50	
26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	6.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	8.51	
26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel	34.57	
26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel	43.05	
26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.		
26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	8.09	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	8.79	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	9.31	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	12.13	
26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	18.72	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.02	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	28.91	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	50.44	
26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037)		
Note: Includes hex bolt.		
26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	8.11	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	8.89	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	9.35	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	12.94	
26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0151 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.02	
26 05 29 00-0152 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.99	
26 05 29 00-0153 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	17.55	
26 05 29 00-0154 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	49.10	
26 05 29 00-0155 Mounting Assemblies (26 05 29)		
26 05 29 00-0156 Galvanized Steel Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0157 Galvanized Steel Back Plate (26 05 29 00-0156)		
26 05 29 00-0158 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	556.76	73.47
26 05 29 00-0159 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	136.17	24.49
26 05 29 00-0160 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	344.96	61.22
26 05 29 00-0161 Aluminum Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0162 Aluminum Back Plate (26 05 29 00-0161)		
26 05 29 00-0163 EA 3/16" x 2' x 2' Aluminum Back Plate.....	463.47	91.83
26 05 29 00-0164 EA 3/16" x 4' x 4' Aluminum Back Plate.....	1,336.82	91.83
26 05 29 00-0165 Supports (26 05 29)		
26 05 29 00-0166 One Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0167 EA 1/2", One Hole Steel Conduit Strap	4.46	
For Work In Restricted Working Space, Add		
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	1.08	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.82	
26 05 29 00-0168 EA 3/4", One Hole Steel Conduit Strap	4.51	
For Work In Restricted Working Space, Add		
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	1.08	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.83	
	-1.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0169	EA		1", One Hole Steel Conduit Strap	4.77	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0170	EA		1-1/4", One Hole Steel Conduit Strap	4.97	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.28	
26 05 29 00-0171	EA		1-1/2", One Hole Steel Conduit Strap	5.10	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.29	
26 05 29 00-0172	EA		2", One Hole Steel Conduit Strap	5.89	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.37	
26 05 29 00-0173	EA		2-1/2", One Hole Steel Conduit Strap	6.70	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.45	
26 05 29 00-0174	EA		3", One Hole Steel Conduit Strap	6.97	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.48	
26 05 29 00-0175	EA		3-1/2", One Hole Steel Conduit Strap	8.30	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.61	
26 05 29 00-0176	EA		4", One Hole Steel Conduit Strap	9.36	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.72	

26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165)

26 05 29 00-0178	EA		1/2", One Hole Iron Conduit Strap	4.59	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500, Deduct</i>	-1.24	
26 05 29 00-0179	EA		3/4", One Hole Iron Conduit Strap	4.72	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0180	EA		1", One Hole Iron Conduit Strap	4.94	
			<i>For Work In Restricted Working Space, Add</i>	1.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap	5.50	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.90	
For >500, Deduct	-1.33	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap	5.72	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.36	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap	7.12	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.50	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap	10.13	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.25	
For >500, Deduct	-1.80	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap	12.64	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.41	
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.44	
For >500, Deduct	-2.05	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap	16.31	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.51	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.71	
For >500, Deduct	-2.42	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap	31.01	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.87	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.89	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap	38.91	
For Work In Restricted Working Space, Add	1.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-1.07	
For >100 To 250, Deduct	-2.14	
For >250 To 500, Deduct	-3.41	
For >500, Deduct	-4.68	
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap	5.17	
For Work In Restricted Working Space, Add	1.32	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.40	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap	5.26	
For Work In Restricted Working Space, Add	1.32	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.41	
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap	5.30	
For Work In Restricted Working Space, Add	1.32	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.30	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0193	EA		1-1/4", Two Hole Steel Conduit Strap 5.36		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500, Deduct</i>	-1.42	
26 05 29 00-0194	EA		1-1/2", Two Hole Steel Conduit Strap 5.41		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.42	
26 05 29 00-0195	EA		2", Two Hole Steel Conduit Strap 5.52		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.43	
26 05 29 00-0196	EA		2-1/2", Two Hole Steel Conduit Strap 6.12		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.49	
26 05 29 00-0197	EA		3", Two Hole Steel Conduit Strap 6.25		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500, Deduct</i>	-1.51	
26 05 29 00-0198	EA		3-1/2", Two Hole Steel Conduit Strap 6.73		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.55	
26 05 29 00-0199	EA		4", Two Hole Steel Conduit Strap 7.05		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.08	
			<i>For >500, Deduct</i>	-1.59	
26 05 29 00-0200	EA		5", Two Hole Steel Conduit Strap 7.48		
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.30	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.63	

26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0165)

26 05 29 00-0202	EA		1/2" Conduit, Clamp Back Spacer 4.03		
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.02	
26 05 29 00-0203	EA		3/4" Conduit, Clamp Back Spacer 4.34		
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0204	EA		1" Conduit, Clamp Back Spacer 4.62		
			<i>For Work In Restricted Working Space, Add</i>	0.92	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.87	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer	5.73	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.19	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer	6.62	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.27	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer	7.56	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.95	
For >500, Deduct	-1.37	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer	11.36	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.75	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer	15.91	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.47	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.58	
For >500, Deduct	-2.20	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer	20.33	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.65	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer	41.06	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-1.10	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-3.46	
For >500, Deduct	-4.72	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer	76.06	
For Work In Restricted Working Space, Add	0.92	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.87	
For >50 To 100, Deduct	-1.98	
For >100 To 250, Deduct	-3.96	
For >250 To 500, Deduct	-6.09	
For >500, Deduct	-8.22	
26 05 29 00-0213 Conduit Clips <small>(26 05 29 00-0165)</small>		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip	5.09	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.29	
26 05 29 00-0215 EA 3/4" Conduit Clip	5.09	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.29	
26 05 29 00-0216 EA 1" Conduit Clip	4.99	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.28	
26 05 29 00-0217 EA 1-1/4" Conduit Clip	5.22	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.08	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0218			Bolt And Nut Conduit Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0219	EA		3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	6.31	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-1.09	
			<i>For >500, Deduct</i>	-1.61	
26 05 29 00-0220	EA		1" Bolt And Nut Conduit Clip (Minerallac 2B).....	6.54	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500, Deduct</i>	-1.63	
26 05 29 00-0221	EA		1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	6.97	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.74	
26 05 29 00-0222	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	7.10	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500, Deduct</i>	-1.75	
26 05 29 00-0223	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B).....	7.96	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.25	
			<i>For >500, Deduct</i>	-1.84	
26 05 29 00-0224	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	8.63	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.48	
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.97	
26 05 29 00-0225	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	9.39	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.48	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-2.04	
26 05 29 00-0226	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	17.20	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
			<i>For >50 To 100, Deduct</i>	-0.58	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.94	
26 05 29 00-0227			Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0165)</small>		
			Note: Bat wing.		
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod	3.67	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.84	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.96	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod	3.73	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.84	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.96	
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod	3.90	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.84	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.33	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.84	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.02	
26 05 29 00-0232			Beam Flange Clamps <small>(26 05 29 00-0165)</small>		
			Note: For threaded rod, nut not required.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0233 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.48	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.43	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0234 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.37	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500, Deduct</i>	-1.15	
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	6.03	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.83	
<i>For >500, Deduct</i>	-1.22	
26 05 29 00-0236 T-Bar Support Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	9.05	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-1.44	
<i>For >500, Deduct</i>	-2.13	
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	8.53	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.73	
<i>For >250 To 500, Deduct</i>	-1.40	
<i>For >500, Deduct</i>	-2.08	
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.33	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.64	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	28.28	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-2.43	
<i>For >500, Deduct</i>	-3.32	
26 05 29 00-0241 Switch And Outlet Box Type Supports <small>(26 05 29 00-0165)</small>		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	6.86	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.82	
<i>For >500, Deduct</i>	-1.18	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	5.77	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.74	
<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	6.71	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.81	
<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	4.22	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.91	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.42	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.64	
<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0247 Lighting Fixture Hanger <small>(26 05 29 00-0165)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	5.96	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.54	
<i>For >250 To 500, Deduct</i>	-1.06	
<i>For >500, Deduct</i>	-1.58	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	22.08	
<i>For >50 To 100, Deduct</i>	-0.67	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-2.27	
<i>For >500, Deduct</i>	-3.19	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	30.54	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100 To 250, Deduct</i>	-1.77	
<i>For >250 To 500, Deduct</i>	-2.90	
<i>For >500, Deduct</i>	-4.03	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0251			Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.08	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 29 00-0253	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.10	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 29 00-0254	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.21	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.26	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 29 00-0255	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.60	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 29 00-0256	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.17	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500, Deduct</i>	-1.70	
			<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 29 00-0257	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.23	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500, Deduct</i>	-1.70	
			<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 29 00-0258	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.86	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-2.11	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 29 00-0259	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.37	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-2.16	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 29 00-0260	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.86	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500, Deduct</i>	-2.21	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.04	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-2.23	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 29 00-0262			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.45	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500, Deduct</i>	-1.28	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.41	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.28	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 29 00-0265	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.35	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.27	
			<i>For Work In Restricted Working Space, Add</i>	1.10	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0266	EA			1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.05	
				<i>For >50 To 100, Deduct</i>	-0.30	
				<i>For >100 To 250, Deduct</i>	-0.60	
				<i>For >250 To 500, Deduct</i>	-1.14	
				<i>For >500, Deduct</i>	-1.69	
				<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 29 00-0267	EA			1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	8.05	
				<i>For >50 To 100, Deduct</i>	-0.32	
				<i>For >100 To 250, Deduct</i>	-0.65	
				<i>For >250 To 500, Deduct</i>	-1.22	
				<i>For >500, Deduct</i>	-1.79	
				<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 29 00-0268	EA			2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	8.11	
				<i>For >50 To 100, Deduct</i>	-0.33	
				<i>For >100 To 250, Deduct</i>	-0.65	
				<i>For >250 To 500, Deduct</i>	-1.22	
				<i>For >500, Deduct</i>	-1.79	
				<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 29 00-0269				"J" Type Conduit Hangers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270	EA			1/2", "J" Type Conduit Hanger (Unistrut J1205).....	26.35	
				<i>For >50 To 100, Deduct</i>	-0.87	
				<i>For >100 To 250, Deduct</i>	-1.75	
				<i>For >250 To 500, Deduct</i>	-3.05	
				<i>For >500, Deduct</i>	-4.35	
				<i>For Work In Restricted Working Space, Add</i>	2.57	
26 05 29 00-0271	EA			3/4", "J" Type Conduit Hanger (Unistrut J1207).....	26.66	
				<i>For >50 To 100, Deduct</i>	-0.88	
				<i>For >100 To 250, Deduct</i>	-1.76	
				<i>For >250 To 500, Deduct</i>	-3.07	
				<i>For >500, Deduct</i>	-4.38	
				<i>For Work In Restricted Working Space, Add</i>	2.57	
26 05 29 00-0272	EA			1", "J" Type Conduit Hanger (Unistrut J1210).....	28.16	
				<i>For >50 To 100, Deduct</i>	-0.95	
				<i>For >100 To 250, Deduct</i>	-1.90	
				<i>For >250 To 500, Deduct</i>	-3.34	
				<i>For >500, Deduct</i>	-4.77	
				<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 29 00-0273	EA			1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	28.50	
				<i>For >50 To 100, Deduct</i>	-0.96	
				<i>For >100 To 250, Deduct</i>	-1.91	
				<i>For >250 To 500, Deduct</i>	-3.36	
				<i>For >500, Deduct</i>	-4.81	
				<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 29 00-0274	EA			1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	29.95	
				<i>For >50 To 100, Deduct</i>	-1.02	
				<i>For >100 To 250, Deduct</i>	-2.05	
				<i>For >250 To 500, Deduct</i>	-3.62	
				<i>For >500, Deduct</i>	-5.20	
				<i>For Work In Restricted Working Space, Add</i>	3.31	
26 05 29 00-0275	EA			2", "J" Type Conduit Hanger (Unistrut J1220).....	31.21	
				<i>For >50 To 100, Deduct</i>	-1.06	
				<i>For >100 To 250, Deduct</i>	-2.11	
				<i>For >250 To 500, Deduct</i>	-3.72	
				<i>For >500, Deduct</i>	-5.33	
				<i>For Work In Restricted Working Space, Add</i>	3.31	
26 05 29 00-0276	EA			2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	50.47	
				<i>For >50 To 100, Deduct</i>	-1.57	
				<i>For >100 To 250, Deduct</i>	-3.14	
				<i>For >250 To 500, Deduct</i>	-5.32	
				<i>For >500, Deduct</i>	-7.50	
				<i>For Work In Restricted Working Space, Add</i>	3.67	
26 05 29 00-0277	EA			3", "J" Type Conduit Hanger (Unistrut J1230).....	53.60	
				<i>For >50 To 100, Deduct</i>	-1.68	
				<i>For >100 To 250, Deduct</i>	-3.35	
				<i>For >250 To 500, Deduct</i>	-5.70	
				<i>For >500, Deduct</i>	-8.05	
				<i>For Work In Restricted Working Space, Add</i>	4.04	
26 05 29 00-0278	EA			3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	57.70	
				<i>For >50 To 100, Deduct</i>	-1.81	
				<i>For >100 To 250, Deduct</i>	-3.62	
				<i>For >250 To 500, Deduct</i>	-6.17	
				<i>For >500, Deduct</i>	-8.71	
				<i>For Work In Restricted Working Space, Add</i>	4.41	
26 05 29 00-0279	EA			4", "J" Type Conduit Hanger (Unistrut J1240).....	77.27	
				<i>For >50 To 100, Deduct</i>	-2.30	
				<i>For >100 To 250, Deduct</i>	-4.60	
				<i>For >250 To 500, Deduct</i>	-7.63	
				<i>For >500, Deduct</i>	-10.67	
				<i>For Work In Restricted Working Space, Add</i>	4.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0280	EA		5", "J" Type Conduit Hanger (Unistrut J1250).....	84.92	
			<i>For >50 To 100, Deduct</i>	-2.52	
			<i>For >100 To 250, Deduct</i>	-5.04	
			<i>For >250 To 500, Deduct</i>	-8.36	
			<i>For >500, Deduct</i>	-11.68	
			<i>For Work In Restricted Working Space, Add</i>	4.78	
26 05 29 00-0281	EA		6", "J" Type Conduit Hanger (Unistrut J1260).....	120.17	
			<i>For >50 To 100, Deduct</i>	-3.46	
			<i>For >100 To 250, Deduct</i>	-6.93	
			<i>For >250 To 500, Deduct</i>	-11.31	
			<i>For >500, Deduct</i>	-15.69	
			<i>For Work In Restricted Working Space, Add</i>	5.51	
26 05 29 00-0282			Between Studs Box Brackets (26 05 29 00-0165)		
26 05 29 00-0283	EA		16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.43	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500, Deduct</i>	-1.68	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 29 00-0284	EA		24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.43	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.32	
			<i>For >500, Deduct</i>	-1.88	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 29 00-0285			Hangers And Brackets (26 05 29 00-0165)		
26 05 29 00-0286	EA		Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.20	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500, Deduct</i>	-0.81	
26 05 29 00-0287	EA		Angle Bracket Only With 1/4" Hole (Caddy AB).....	3.09	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500, Deduct</i>	-0.80	
26 05 29 00-0288	EA		Offset Bracket Only With 1/4" Hole (Caddy AO)	3.09	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500, Deduct</i>	-0.80	
26 05 29 00-0289	EA		Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	4.29	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0290	EA		Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	4.31	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0291	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	4.18	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.91	
26 05 29 00-0292	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	4.29	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0293	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	4.31	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0294			Clips And Accessories (26 05 29 00-0165)		
26 05 29 00-0295	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.19	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.53	
26 05 29 00-0296	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.24	
			<i>For >50 To 100, Deduct</i>	-0.09	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0297 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.42	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500, Deduct</i>	-0.55	
26 05 29 00-0298 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.79	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0299 Wire Ties <small>(26 05 29 00-0165)</small>		
Note: Per hundred (C).		
26 05 29 00-0300 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.30	
<i>For Up To 0.1, Add</i>	25.58	
<i>For >0.1 To 0.25, Add</i>	12.79	
<i>For >0.25 To 0.75, Add</i>	6.40	
<i>For >2.0, Deduct</i>	-2.56	
<i>For UV Black, Add</i>	0.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 29 00-0301 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.52	
<i>For Up To 0.1, Add</i>	25.58	
<i>For >0.1 To 0.25, Add</i>	12.79	
<i>For >0.25 To 0.75, Add</i>	6.40	
<i>For >2.0, Deduct</i>	-2.56	
<i>For UV Black, Add</i>	0.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 29 00-0302 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.68	
<i>For Up To 0.1, Add</i>	25.58	
<i>For >0.1 To 0.25, Add</i>	12.79	
<i>For >0.25 To 0.75, Add</i>	6.40	
<i>For >2.0, Deduct</i>	-2.56	
<i>For UV Black, Add</i>	0.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 29 00-0303 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.74	
<i>For Up To 0.1, Add</i>	25.58	
<i>For >0.1 To 0.25, Add</i>	12.79	
<i>For >0.25 To 0.75, Add</i>	6.40	
<i>For >2.0, Deduct</i>	-2.56	
<i>For UV Black, Add</i>	0.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 29 00-0304 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	32.91	
<i>For Up To 0.1, Add</i>	26.68	
<i>For >0.1 To 0.25, Add</i>	13.34	
<i>For >0.25 To 0.75, Add</i>	6.67	
<i>For >2.0, Deduct</i>	-2.67	
<i>For UV Black, Add</i>	0.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 29 00-0305 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.96	
<i>For Up To 0.1, Add</i>	27.90	
<i>For >0.1 To 0.25, Add</i>	13.95	
<i>For >0.25 To 0.75, Add</i>	6.98	
<i>For >2.0, Deduct</i>	-2.79	
<i>For UV Black, Add</i>	1.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.37	
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	37.44	
<i>For Up To 0.1, Add</i>	25.58	
<i>For >0.1 To 0.25, Add</i>	12.79	
<i>For >0.25 To 0.75, Add</i>	6.40	
<i>For >2.0, Deduct</i>	-2.56	
<i>For UV Black, Add</i>	1.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	38.63	
<i>For Up To 0.1, Add</i>	26.68	
<i>For >0.1 To 0.25, Add</i>	13.34	
<i>For >0.25 To 0.75, Add</i>	6.67	
<i>For >2.0, Deduct</i>	-2.67	
<i>For UV Black, Add</i>	1.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.00	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	39.91	
<i>For Up To 0.1, Add</i>	27.90	
<i>For >0.1 To 0.25, Add</i>	13.95	
<i>For >0.25 To 0.75, Add</i>	6.98	
<i>For >2.0, Deduct</i>	-2.79	
<i>For UV Black, Add</i>	1.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.37	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	57.79	
<i>For Up To 0.1, Add</i>	30.08	
<i>For >0.1 To 0.25, Add</i>	15.04	
<i>For >0.25 To 0.75, Add</i>	7.52	
<i>For >2.0, Deduct</i>	-3.01	
<i>For UV Black, Add</i>	4.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	

26 Electrical

26 05 Common Work Results for Electrical

26 05 29 Hangers and Supports for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0310	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	60.29	
			<i>For Up To 0.1, Add</i>	30.08	
			<i>For >0.1 To 0.25, Add</i>	15.04	
			<i>For >0.25 To 0.75, Add</i>	7.52	
			<i>For >2.0, Deduct</i>	-3.01	
			<i>For UV Black, Add</i>	4.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 29 00-0311	C		7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	41.66	
			<i>For Up To 0.1, Add</i>	27.90	
			<i>For >0.1 To 0.25, Add</i>	13.95	
			<i>For >0.25 To 0.75, Add</i>	6.98	
			<i>For >2.0, Deduct</i>	-2.79	
			<i>For UV Black, Add</i>	2.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.37	
26 05 29 00-0312	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	39.45	
			<i>For Up To 0.1, Add</i>	27.90	
			<i>For >0.1 To 0.25, Add</i>	13.95	
			<i>For >0.25 To 0.75, Add</i>	6.98	
			<i>For >2.0, Deduct</i>	-2.79	
			<i>For UV Black, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.37	
26 05 29 00-0313	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	58.47	
			<i>For Up To 0.1, Add</i>	30.08	
			<i>For >0.1 To 0.25, Add</i>	15.04	
			<i>For >0.25 To 0.75, Add</i>	7.52	
			<i>For >2.0, Deduct</i>	-3.01	
			<i>For UV Black, Add</i>	4.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 29 00-0314	C		14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	66.87	
			<i>For Up To 0.1, Add</i>	31.96	
			<i>For >0.1 To 0.25, Add</i>	15.98	
			<i>For >0.25 To 0.75, Add</i>	7.99	
			<i>For >2.0, Deduct</i>	-3.20	
			<i>For UV Black, Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.59	
26 05 29 00-0315	C		8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	65.36	
			<i>For Up To 0.1, Add</i>	27.90	
			<i>For >0.1 To 0.25, Add</i>	13.95	
			<i>For >0.25 To 0.75, Add</i>	6.98	
			<i>For >2.0, Deduct</i>	-2.79	
			<i>For UV Black, Add</i>	5.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.37	
26 05 29 00-0316	C		11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	71.55	
			<i>For Up To 0.1, Add</i>	30.08	
			<i>For >0.1 To 0.25, Add</i>	15.04	
			<i>For >0.25 To 0.75, Add</i>	7.52	
			<i>For >2.0, Deduct</i>	-3.01	
			<i>For UV Black, Add</i>	6.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.02	
26 05 29 00-0317	C		15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	86.51	
			<i>For Up To 0.1, Add</i>	31.96	
			<i>For >0.1 To 0.25, Add</i>	15.98	
			<i>For >0.25 To 0.75, Add</i>	7.99	
			<i>For >2.0, Deduct</i>	-3.20	
			<i>For UV Black, Add</i>	8.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.59	
26 05 29 00-0318	C		17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	123.46	
			<i>For Up To 0.1, Add</i>	34.09	
			<i>For >0.1 To 0.25, Add</i>	17.05	
			<i>For >0.25 To 0.75, Add</i>	8.52	
			<i>For >2.0, Deduct</i>	-3.41	
			<i>For UV Black, Add</i>	13.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.23	
26 05 29 00-0319	C		17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	119.65	
			<i>For Up To 0.1, Add</i>	34.09	
			<i>For >0.1 To 0.25, Add</i>	17.05	
			<i>For >0.25 To 0.75, Add</i>	8.52	
			<i>For >2.0, Deduct</i>	-3.41	
			<i>For UV Black, Add</i>	12.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.23	
26 05 29 00-0320	C		21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	145.62	
			<i>For Up To 0.1, Add</i>	35.68	
			<i>For >0.1 To 0.25, Add</i>	17.84	
			<i>For >0.25 To 0.75, Add</i>	8.92	
			<i>For >2.0, Deduct</i>	-3.57	
			<i>For UV Black, Add</i>	16.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.70	
26 05 29 00-0321	C		30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	168.46	
			<i>For Up To 0.1, Add</i>	37.42	
			<i>For >0.1 To 0.25, Add</i>	18.71	
			<i>For >0.25 To 0.75, Add</i>	9.36	
			<i>For >2.0, Deduct</i>	-3.74	
			<i>For UV Black, Add</i>	19.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	230.78	
For Up To 0.1, Add	40.38	
For >0.1 To 0.25, Add	20.19	
For >0.25 To 0.75, Add	10.10	
For >2.0, Deduct	-4.04	
For UV Black, Add	28.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.11	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	41.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.51	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw.....	81.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.02	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.18	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.15	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.15	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	4.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.15	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	107.01	
Note: Cut to length.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.15	
26 05 29 00-0330 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
26 05 29 00-0331 Toggle Bolts <small>(26 05 29 00-0330)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	9.57	
For >50 To 100, Deduct	-0.91	
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.18	
For >500, Deduct	-4.54	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.83	
For >50 To 100, Deduct	-0.93	
For >100 To 250, Deduct	-1.87	
For >250 To 500, Deduct	-3.26	
For >500, Deduct	-4.65	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	10.39	
For >50 To 100, Deduct	-0.96	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.80	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.66	
For >50 To 100, Deduct	-0.99	
For >100 To 250, Deduct	-1.98	
For >250 To 500, Deduct	-3.45	
For >500, Deduct	-4.92	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.90	
For >50 To 100, Deduct	-1.01	
For >100 To 250, Deduct	-2.02	
For >250 To 500, Deduct	-3.53	
For >500, Deduct	-5.03	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	12.44	
For >50 To 100, Deduct	-1.07	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-3.70	
For >500, Deduct	-5.27	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	12.96	
For >50 To 100, Deduct	-1.10	
For >100 To 250, Deduct	-2.19	
For >250 To 500, Deduct	-3.80	
For >500, Deduct	-5.41	
26 05 29 00-0339 Machine Screws <small>(26 05 29 00-0330)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.82	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.37	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.87	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.38	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.59	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.72	

26 Electrical

26 05 Common Work Results for Electrical

26 05 29 Hangers and Supports for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....3.77		
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.22	
			<i>For >500, Deduct</i>	-1.74	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....4.68		
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-2.10	
26 05 29 00-0345			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....4.70		
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.75	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.83	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....4.63		
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.82	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....6.66		
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.95	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-2.30	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....8.53		
			<i>For >50 To 100, Deduct</i>	-0.57	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.75	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....3.50		
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.44	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....3.56		
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500, Deduct</i>	-1.44	
26 05 29 00-0353	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....4.23		
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500, Deduct</i>	-1.64	
26 05 29 00-0354			Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....2.07		
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0356	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....2.14		
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0357	EA		6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....2.24		
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0358	EA		10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....2.85		
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0359	EA		10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....3.00		
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.44	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 3.04 <i>For >50 To 100, Deduct</i> -0.22 <i>For >100 To 250, Deduct</i> -0.44 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -1.06		
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 3.07 <i>For >50 To 100, Deduct</i> -0.22 <i>For >100 To 250, Deduct</i> -0.44 <i>For >250 To 500, Deduct</i> -0.75 <i>For >500, Deduct</i> -1.07		
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 3.29 <i>For >50 To 100, Deduct</i> -0.22 <i>For >100 To 250, Deduct</i> -0.45 <i>For >250 To 500, Deduct</i> -0.77 <i>For >500, Deduct</i> -1.09		
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor 3.37 <i>For >50 To 100, Deduct</i> -0.23 <i>For >100 To 250, Deduct</i> -0.45 <i>For >250 To 500, Deduct</i> -0.78 <i>For >500, Deduct</i> -1.10		
26 05 29 00-0364 Lead Screw Anchors (26 05 29 00-0330) Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw 4.74 <i>For >50 To 100, Deduct</i> -0.43 <i>For >100 To 250, Deduct</i> -0.86 <i>For >250 To 500, Deduct</i> -1.51 <i>For >500, Deduct</i> -2.15		
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw 5.65 <i>For >50 To 100, Deduct</i> -0.50 <i>For >100 To 250, Deduct</i> -1.01 <i>For >250 To 500, Deduct</i> -1.75 <i>For >500, Deduct</i> -2.50		
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw 7.67 <i>For >50 To 100, Deduct</i> -0.65 <i>For >100 To 250, Deduct</i> -1.30 <i>For >250 To 500, Deduct</i> -2.26 <i>For >500, Deduct</i> -3.22		
26 05 29 00-0368 Acoustical T-Bar Clips (26 05 29 00-0330) Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip 7.41 <i>For >50 To 100, Deduct</i> -0.58 <i>For >100 To 250, Deduct</i> -1.15 <i>For >250 To 500, Deduct</i> -1.99 <i>For >500, Deduct</i> -2.83		
26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip 7.77 <i>For >50 To 100, Deduct</i> -0.61 <i>For >100 To 250, Deduct</i> -1.21 <i>For >250 To 500, Deduct</i> -2.09 <i>For >500, Deduct</i> -2.97		
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip 8.44 <i>For >50 To 100, Deduct</i> -0.65 <i>For >100 To 250, Deduct</i> -1.29 <i>For >250 To 500, Deduct</i> -2.23 <i>For >500, Deduct</i> -3.16		
26 05 29 00-0372 Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0373 Threaded Rod And Rod Accessories (26 05 29 00-0372)		
26 05 29 00-0374 Carbon Steel Threaded Rod (26 05 29 00-0373) Note: Includes plain finish.		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 5.25 0.77 <i>For Galvanized, Add</i> 1.48 <i>For Zinc Coated, Add</i> 1.06		
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 7.53 0.82 <i>For Galvanized, Add</i> 2.36 <i>For Zinc Coated, Add</i> 1.68		
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 10.83 0.84 <i>For Galvanized, Add</i> 3.66 <i>For Zinc Coated, Add</i> 2.60		
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 18.34 0.87 <i>For Galvanized, Add</i> 6.64 <i>For Zinc Coated, Add</i> 4.73		
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 20.04 0.91 <i>For Galvanized, Add</i> 7.30 <i>For Zinc Coated, Add</i> 5.20		
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod 27.65 1.02 <i>For Galvanized, Add</i> 10.24 <i>For Zinc Coated, Add</i> 7.30		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	34.57	1.14
For Galvanized, Add	12.92	
For Zinc Coated, Add	9.21	
26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut	9.99	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut	11.33	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut	14.23	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut	17.43	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut	25.80	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut	30.61	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	59.22	
26 05 29 00-0390 Flat Washers (26 05 29 00-0373)		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.85	0.31
For Galvanized, Add	0.04	
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.10	0.31
For Galvanized, Add	0.09	
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.46	0.31
For Galvanized, Add	0.17	
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.80	0.61
For Galvanized, Add	0.24	
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.04	0.61
For Galvanized, Add	0.28	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.42	0.61
For Galvanized, Add	0.35	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.71	0.61
For Galvanized, Add	0.39	
26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)		
Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket	11.60	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket	13.89	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket	24.25	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket	34.60	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket	36.85	
26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.82	0.31
For Galvanized, Add	0.03	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.05	0.31
For Galvanized, Add	0.07	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.46	0.31
For Galvanized, Add	0.17	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.74	0.61
For Galvanized, Add	0.22	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.59	0.61
For Galvanized, Add	0.42	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.30	0.61
For Galvanized, Add	0.57	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.44	0.61
For Galvanized, Add	1.08	
26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373)		
Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	28.43	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	35.11	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	46.98	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	58.10	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	142.72	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	95.14	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	191.03	
26 05 29 00-0420 Attachments (26 05 29 00-0372)		
26 05 29 00-0421 Welded Beam Attachments (26 05 29 00-0420)		
Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment	52.23	12.24
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment	55.68	12.85
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment	59.28	13.59
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment	75.25	14.45
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment	90.04	15.31
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment	125.72	17.51
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment	177.22	18.37



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0429		C-Clamp Style Beam Clamps <small>(26 05 29 00-0420)</small>		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	18.74	9.20
26 05 29 00-0431	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	22.23	9.82
26 05 29 00-0432	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	25.17	10.52
26 05 29 00-0433	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	32.14	11.32
26 05 29 00-0434	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	46.20	12.27
26 05 29 00-0435		Bottom Mount I-Beam Clamps <small>(26 05 29 00-0420)</small>		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	50.24	12.27
26 05 29 00-0437	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	73.35	13.39
26 05 29 00-0438	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	104.34	14.73
26 05 29 00-0439	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	124.76	16.36
26 05 29 00-0440	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	299.84	18.41
26 05 29 00-0441		Steel U-Bolts <small>(26 05 29 00-0420)</small>		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	15.25	7.36
26 05 29 00-0443	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	16.53	7.75
26 05 29 00-0444	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	17.77	8.19
26 05 29 00-0445	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	20.14	8.66
26 05 29 00-0446	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	20.83	9.20
26 05 29 00-0447	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	22.28	9.82
26 05 29 00-0448	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	31.71	10.52
26 05 29 00-0449	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	34.94	11.33
26 05 29 00-0450	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	42.06	12.27
26 05 29 00-0451		Stainless Steel Threaded Rod <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.18	0.61
		<i>For 316 Stainless Steel, Add</i>	1.19	
26 05 29 00-0453	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.39	0.67
		<i>For 316 Stainless Steel, Add</i>	2.04	
26 05 29 00-0454	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.27	0.77
		<i>For 316 Stainless Steel, Add</i>	2.73	
26 05 29 00-0455	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.59	0.79
		<i>For 316 Stainless Steel, Add</i>	4.05	
26 05 29 00-0456	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.96	0.82
		<i>For 316 Stainless Steel, Add</i>	4.99	
26 05 29 00-0457	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	21.09	0.83
		<i>For 316 Stainless Steel, Add</i>	7.87	
26 05 29 00-0458	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.66	0.84
		<i>For 316 Stainless Steel, Add</i>	11.33	
26 05 29 00-0459	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.93	0.87
		<i>For 316 Stainless Steel, Add</i>	15.87	
26 05 29 00-0460	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	52.64	1.02
		<i>For 316 Stainless Steel, Add</i>	20.49	
26 05 29 00-0461	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	111.80	1.23
		<i>For 316 Stainless Steel, Add</i>	44.25	
26 05 29 00-0462		Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463		Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0462)</small>		
26 05 29 00-0464		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.02	24.49
26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.84	26.70
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.63	29.39
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.36	32.70
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	107.95	36.73
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	129.47	40.40
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.60	44.08
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	156.01	47.76
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	164.66	51.43
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	178.03	55.10
26 05 29 00-0475		Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0463)</small>		
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.09	24.49
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.27	26.70
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	87.90	29.39
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.02	32.70
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.37	36.73
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	127.05	40.40
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	146.18	44.08
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	162.08	47.76
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	172.29	51.43

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0485 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	179.04	55.10
26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0483)		
26 05 29 00-0487 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.98	24.24
26 05 29 00-0488 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.07	26.45
26 05 29 00-0489 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	82.79	29.39
26 05 29 00-0490 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.33	32.33
26 05 29 00-0491 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	127.30	36.73
26 05 29 00-0492 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	139.56	40.40
26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)		
26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0495 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.42	0.73
26 05 29 00-0496 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.16	0.73
26 05 29 00-0497 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	13.49	0.73
26 05 29 00-0498 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.41	0.73
26 05 29 00-0499 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.62	0.73
26 05 29 00-0500 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.50	0.73
26 05 29 00-0501 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	43.30	0.73
26 05 29 00-0502 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	58.03	0.73
26 05 29 00-0503 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	102.74	0.73
26 05 29 00-0504 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	109.19	0.73
26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0506 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.62	1.46
26 05 29 00-0507 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.69	1.46
26 05 29 00-0508 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.13	1.46
26 05 29 00-0509 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	21.58	1.46
26 05 29 00-0510 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.19	1.46
26 05 29 00-0511 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.48	1.46
26 05 29 00-0512 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.66	1.46
26 05 29 00-0513 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.98	1.46
26 05 29 00-0514 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.02	1.46
26 05 29 00-0515 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	34.75	1.46
26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)		
26 05 29 00-0517 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)		
26 05 29 00-0518 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.06	1.46
26 05 29 00-0519 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	17.54	1.46
26 05 29 00-0520 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	22.09	1.46
26 05 29 00-0521 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	25.87	1.46
26 05 29 00-0522 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	34.68	1.46
26 05 29 00-0523 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	60.47	1.46
26 05 29 00-0524 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	85.35	1.46
26 05 29 00-0525 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	116.61	1.46
26 05 29 00-0526 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	204.21	1.46
26 05 29 00-0527 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	204.21	1.46
26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)		
26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)		
26 05 29 00-0530 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	10.40	0.99
26 05 29 00-0531 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	12.80	1.11
26 05 29 00-0532 Attachments (26 05 29 00-0462)		
26 05 29 00-0533 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)		
26 05 29 00-0534 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.77	7.36
26 05 29 00-0535 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.42	7.73
26 05 29 00-0536 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.50	8.23
26 05 29 00-0537 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.89	8.71
26 05 29 00-0538 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.38	9.20
26 05 29 00-0539 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	27.43	9.82
26 05 29 00-0540 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	39.90	10.56
26 05 29 00-0541 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	41.84	11.29
26 05 29 00-0542 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	44.58	12.27
26 05 29 00-0543 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	73.21	13.99
26 05 29 00-0544 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	90.84	16.20
26 05 29 00-0545 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0532)		
26 05 29 00-0546 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	68.73	24.24
26 05 29 00-0547 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	80.78	24.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0548 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	85.75	24.24
26 05 29 00-0549 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	94.70	25.71
26 05 29 00-0550 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	110.95	29.39
26 05 29 00-0551 Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	25.09	8.08
26 05 29 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	26.35	8.82
26 05 29 00-0554 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	28.72	9.55
26 05 29 00-0555 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	32.28	11.02
26 05 29 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	36.96	12.49
26 05 29 00-0557 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	41.20	13.22
26 05 29 00-0558 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	45.51	14.70
26 05 29 00-0559 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	54.32	16.16
26 05 29 00-0560 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	59.50	16.90
26 05 29 00-0561 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	62.42	18.37
26 05 29 00-0562 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	66.57	20.57
26 05 29 00-0563 Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)		
26 05 29 00-0564 LF A12, Polyvinyl Chloride (PVC) Coated Channel.....	26.67	3.67
26 05 29 00-0565 LF A12A, Polyvinyl Chloride (PVC) Coated Channel.....	47.41	5.15
26 05 29 00-0566 LF A12P, Polyvinyl Chloride (PVC) Coated Channel.....	28.51	3.67
26 05 29 00-0567 LF C14, Polyvinyl Chloride (PVC) Coated Channel.....	21.01	3.67
26 05 29 00-0568 LF C14P, Polyvinyl Chloride (PVC) Coated Channel.....	22.15	3.67
26 05 29 00-0569 Polymer Concrete Pads (26 05 29)		
Note: Excludes excavation and backfill.		
26 05 29 00-0570 Polymer Concrete, Box Pads (26 05 29 00-0569)		
26 05 29 00-0571 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,377.31	128.30
26 05 29 00-0572 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,423.62	128.30
26 05 29 00-0573 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,849.18	128.30
26 05 29 00-0574 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,919.73	128.30
26 05 29 00-0575 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,783.50	128.30
26 05 29 00-0576 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	2,116.71	128.30
26 05 29 00-0577 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	2,372.20	128.30
26 05 29 00-0578 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	2,269.26	160.37
26 05 29 00-0579 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	3,463.03	160.37
26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	4,662.71	160.37
26 05 29 00-0581 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0569)		
26 05 29 00-0582 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	658.83	67.46
26 05 29 00-0583 EA 48" x 48", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	785.34	67.46
26 05 29 00-0584 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,021.78	96.22
26 05 29 00-0585 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,068.80	96.22
26 05 29 00-0586 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,547.43	96.22
26 05 29 00-0587 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,613.95	96.22
26 05 29 00-0588 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,737.91	96.22
26 05 29 00-0589 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,737.91	96.22
26 05 29 00-0590 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,295.13	96.22
26 05 29 00-0591 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,739.47	96.22
26 05 29 00-0592 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0569)		
26 05 29 00-0593 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	390.90	67.46
26 05 29 00-0594 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	423.42	67.46
26 05 29 00-0595 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	453.04	67.46
26 05 29 00-0596 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	551.45	67.46
26 05 29 00-0597 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	507.53	67.46
26 05 29 00-0598 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	528.23	67.46
26 05 29 00-0599 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	581.87	67.46
26 05 29 00-0600 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	613.16	67.46
26 05 29 00-0601 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	717.68	67.46
26 05 29 00-0602 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	889.83	67.46
26 05 29 00-0603 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,316.84	96.22
26 05 29 00-0604 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,379.77	96.22
26 05 29 00-0605 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,399.62	96.22
26 05 29 00-0606 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,531.89	96.22
26 05 29 00-0607 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	3,301.11	96.22
26 05 29 00-0608 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	3,893.71	96.22

26 05 33 Raceway and Boxes for Electrical Systems (26 05)

26 05 33 13 Conduit for Electrical Systems (26 05 33)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0001	Conduit Assemblies With Wire ^(26 05 33 13) Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.	
26 05 33 13-0002	Electrical Metallic Tubing (EMT) Conduit Assemblies ^(26 05 33 13-0001) Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0599 for larger EMT conduit.	
26 05 33 13-0003	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....945.25	273.45
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 234.43	
	<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i> 1.69	
26 05 33 13-0004	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,029.23	296.95
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 254.56	
	<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i> 2.53	
26 05 33 13-0005	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,113.21	320.44
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 274.70	
	<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i> 3.37	
26 05 33 13-0006	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....995.74	285.20
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 244.49	
	<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i> 2.53	
26 05 33 13-0007	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,099.39	312.61
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 267.99	
	<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 3.79	
26 05 33 13-0008	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,203.02	340.02
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 291.48	
	<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i> 5.05	
26 05 33 13-0009	CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....1,108.85	308.69
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 264.63	
	<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i> 4.41	
26 05 33 13-0010	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,066.98	294.82
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 252.68	
	<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i> 1.69	
26 05 33 13-0011	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,150.97	318.32
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 272.82	
	<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i> 2.53	
26 05 33 13-0012	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,234.96	341.81
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 292.96	
26 05 33 13-0013	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,318.95	365.31
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 313.10	
	<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i> 4.21	
26 05 33 13-0014	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,117.48	306.57
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 262.75	
	<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i> 2.53	
26 05 33 13-0015	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....1,221.13	333.98
	Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	
	<i>For Work In Restricted Working Space, Add</i> 286.25	
	<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i> 3.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0016 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,324.77 309.74 5.05	361.39
26 05 33 13-0017 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,428.42 333.24 6.32	388.81
26 05 33 13-0018 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,375.37 313.10 6.61	365.31
26 05 33 13-0019 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,520.12 343.31 8.82	400.55
26 05 33 13-0020 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,374.07 303.03 7.29	353.56
26 05 33 13-0021 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,570.01 339.95 10.93	396.64
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,245.36 272.02 1.69	317.31
26 05 33 13-0023 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,329.33 292.16 2.53	340.80
26 05 33 13-0024 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,413.32 312.29	364.30
26 05 33 13-0025 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,497.31 332.44 4.21	387.79
26 05 33 13-0026 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,295.85 282.09 2.53	329.06
26 05 33 13-0027 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,399.50 305.58 3.79	356.46
26 05 33 13-0028 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,503.14 329.08 5.05	383.88
26 05 33 13-0029 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,606.78 352.58 6.32	411.29

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0030 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,553.73 332.44 6.61	387.79
26 05 33 13-0031 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,748.39 359.29 10.93	419.12
26 05 33 13-0032 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,944.33 396.21 14.57	462.20
26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0547 for larger copper conductor, 26 05 33 13-0060 for larger RGS conduit.		
26 05 33 13-0034 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,233.09 266.78 1.69	311.26
26 05 33 13-0035 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,317.09 286.92 2.53	334.76
26 05 33 13-0036 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,283.60 276.85 2.53	323.02
26 05 33 13-0037 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,387.23 300.35 3.79	350.43
26 05 33 13-0038 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,396.69 296.99 4.41	346.51
26 05 33 13-0039 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,360.75 284.51 1.69	331.96
26 05 33 13-0040 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,444.74 304.64 2.53	355.46
26 05 33 13-0041 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,528.72 324.78	378.96
26 05 33 13-0042 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,411.24 294.57 2.53	343.72
26 05 33 13-0043 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,514.89 318.07 3.79	371.13
26 05 33 13-0044 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,618.53 341.57 5.05	398.54
26 05 33 13-0045 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,669.12 344.92 6.61	402.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0046 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,813.89 375.13 8.82	437.70
26 05 33 13-0047 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,667.84 334.85 7.29	390.70
26 05 33 13-0048 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,863.78 371.78 10.93	433.79
26 05 33 13-0049 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,759.71 339.79 2.53	396.41
26 05 33 13-0050 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,843.70 359.93	419.90
26 05 33 13-0051 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,927.70 380.07 4.21	443.40
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,829.88 353.21 3.79	412.07
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,933.51 376.71 5.05	439.49
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	2,037.16 400.21 6.32	466.90
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,984.11 380.07 6.61	443.40
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,178.76 406.92 10.93	474.73
26 05 33 13-0057 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,374.71 443.84 14.57	517.81
26 05 33 13-0058 Conduit <small>(26 05 33 13)</small> Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059 Conduit Installed Above Grade <small>(26 05 33 13-0058)</small> See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <small>(26 05 33 13-0059)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0060)</small> Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.96	2.46
			For >250 To 500, Deduct	-0.14	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000, Deduct	-0.74	
			For Installation In Metal Stud Wall, Add	0.62	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	
			For Work In Restricted Working Space, Add	1.85	
			For Elevated Installation >10' To 15', Add	0.62	
			For Elevated Installation >15' To 20', Add	1.23	
			For Elevated Installation >20' To 25', Add	1.54	
			For Elevated Installation >25' To 30', Add	2.15	
			For Elevated Installation >30' To 35', Add	2.46	
			For Elevated Installation >35' To 40', Add	3.08	
			For Elevated Installation >40', Add	3.38	
26 05 33	13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.63	2.69
			For >250 To 500, Deduct	-0.17	
			For >500 To 1,000, Deduct	-0.62	
			For >1,000, Deduct	-0.88	
			For Installation In Metal Stud Wall, Add	0.72	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.79	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.07	
			For Work In Restricted Working Space, Add	2.15	
			For Elevated Installation >10' To 15', Add	0.72	
			For Elevated Installation >15' To 20', Add	1.43	
			For Elevated Installation >20' To 25', Add	1.79	
			For Elevated Installation >25' To 30', Add	2.51	
			For Elevated Installation >30' To 35', Add	2.86	
			For Elevated Installation >35' To 40', Add	3.58	
			For Elevated Installation >40', Add	3.94	
26 05 33	13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.00	3.13
			For >250 To 500, Deduct	-0.27	
			For >500 To 1,000, Deduct	-0.88	
			For >1,000, Deduct	-1.26	
			For Installation In Metal Stud Wall, Add	0.96	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.41	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.44	
			For Work In Restricted Working Space, Add	2.89	
			For Elevated Installation >10' To 15', Add	0.96	
			For Elevated Installation >15' To 20', Add	1.93	
			For Elevated Installation >20' To 25', Add	2.41	
			For Elevated Installation >25' To 30', Add	3.37	
			For Elevated Installation >30' To 35', Add	3.85	
			For Elevated Installation >35' To 40', Add	4.82	
			For Elevated Installation >40', Add	5.30	
26 05 33	13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.34	3.58
			For >250 To 500, Deduct	-0.36	
			For >500 To 1,000, Deduct	-1.05	
			For >1,000, Deduct	-1.48	
			For Installation In Metal Stud Wall, Add	1.02	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.55	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.53	
			For Work In Restricted Working Space, Add	3.05	
			For Elevated Installation >10' To 15', Add	1.02	
			For Elevated Installation >15' To 20', Add	2.04	
			For Elevated Installation >20' To 25', Add	2.55	
			For Elevated Installation >25' To 30', Add	3.56	
			For Elevated Installation >30' To 35', Add	4.07	
			For Elevated Installation >35' To 40', Add	5.09	
			For Elevated Installation >40', Add	5.60	
26 05 33	13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	19.96	4.03
			For >250 To 500, Deduct	-0.44	
			For >500 To 1,000, Deduct	-1.22	
			For >1,000, Deduct	-1.72	
			For Installation In Metal Stud Wall, Add	1.12	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.80	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.68	
			For Work In Restricted Working Space, Add	3.36	
			For Elevated Installation >10' To 15', Add	1.12	
			For Elevated Installation >15' To 20', Add	2.24	
			For Elevated Installation >20' To 25', Add	2.80	
			For Elevated Installation >25' To 30', Add	3.92	
			For Elevated Installation >30' To 35', Add	4.48	
			For Elevated Installation >35' To 40', Add	5.60	
			For Elevated Installation >40', Add	6.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	25.49	4.92
For >250 To 500, Deduct	-0.99	
For >500 To 1,000, Deduct	-1.57	
For >1,000, Deduct	-2.21	
For Installation In Metal Stud Wall, Add	1.38	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.44	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.06	
For Work In Restricted Working Space, Add	4.13	
For Elevated Installation >10' To 15', Add	1.38	
For Elevated Installation >15' To 20', Add	2.75	
For Elevated Installation >20' To 25', Add	3.44	
For Elevated Installation >25' To 30', Add	4.82	
For Elevated Installation >30' To 35', Add	5.50	
For Elevated Installation >35' To 40', Add	6.88	
For Elevated Installation >40', Add	7.57	
26 05 33 13-0068 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	38.11	6.72
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-2.39	
For >1,000, Deduct	-3.34	
For Installation In Metal Stud Wall, Add	1.87	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.67	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.80	
For Work In Restricted Working Space, Add	5.60	
For Elevated Installation >10' To 15', Add	1.87	
For Elevated Installation >15' To 20', Add	3.74	
For Elevated Installation >20' To 25', Add	4.67	
For Elevated Installation >25' To 30', Add	6.54	
For Elevated Installation >30' To 35', Add	7.47	
For Elevated Installation >35' To 40', Add	9.34	
For Elevated Installation >40', Add	10.27	
26 05 33 13-0069 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	49.90	8.95
For >250 To 500, Deduct	-1.24	
For >500 To 1,000, Deduct	-3.11	
For >1,000, Deduct	-4.36	
For Installation In Metal Stud Wall, Add	2.52	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.29	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.78	
For Work In Restricted Working Space, Add	7.55	
For Elevated Installation >10' To 15', Add	2.52	
For Elevated Installation >15' To 20', Add	5.03	
For Elevated Installation >20' To 25', Add	6.29	
For Elevated Installation >25' To 30', Add	8.81	
For Elevated Installation >30' To 35', Add	10.07	
For Elevated Installation >35' To 40', Add	12.59	
For Elevated Installation >40', Add	13.84	
26 05 33 13-0070 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	60.04	11.19
For >250 To 500, Deduct	-1.51	
For >500 To 1,000, Deduct	-3.76	
For >1,000, Deduct	-5.26	
For Installation In Metal Stud Wall, Add	2.99	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.47	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.48	
For Work In Restricted Working Space, Add	8.96	
For Elevated Installation >10' To 15', Add	2.99	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.47	
For Elevated Installation >25' To 30', Add	10.45	
For Elevated Installation >30' To 35', Add	11.95	
For Elevated Installation >35' To 40', Add	14.94	
For Elevated Installation >40', Add	16.43	
26 05 33 13-0071 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	71.32	13.43
For >250 To 500, Deduct	-1.84	
For >500 To 1,000, Deduct	-4.49	
For >1,000, Deduct	-6.27	
For Installation In Metal Stud Wall, Add	3.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.62	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.17	
For Work In Restricted Working Space, Add	10.34	
For Elevated Installation >10' To 15', Add	3.45	
For Elevated Installation >15' To 20', Add	6.89	
For Elevated Installation >20' To 25', Add	8.62	
For Elevated Installation >25' To 30', Add	12.06	
For Elevated Installation >30' To 35', Add	13.78	
For Elevated Installation >35' To 40', Add	17.23	
For Elevated Installation >40', Add	18.95	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	113.68	17.00
26 05 33	13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	153.72	21.48
26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0060)</small> See CSI section 26 05 33 13-2319 for conduit field bending.					
26 05 33	13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	33.28	11.07
26 05 33	13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	41.79	13.76
26 05 33	13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	53.28	16.89
26 05 33	13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	68.00	19.58
26 05 33	13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	78.89	22.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	93.04 18.53 6.18 12.35 15.44 21.61 24.70 30.88 33.96	24.72
26 05 33 13-0081 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	132.96 23.16 7.72 15.44 19.30 27.02 30.88 38.60 42.46	30.88
26 05 33 13-0082 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	188.19 31.55 10.52 21.03 26.29 36.81 42.07 52.59 57.84	42.07
26 05 33 13-0083 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	248.41 35.59 11.86 23.72 29.66 41.52 47.45 59.31 65.24	47.44
26 05 33 13-0084 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	303.94 46.31 15.44 30.87 38.59 54.03 61.75 77.19 84.90	61.76
26 05 33 13-0085 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	497.18 75.53 25.18 50.35 62.94 88.12 100.70 125.88 138.47	100.70
26 05 33 13-0086 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	747.43 113.45 37.82 75.63 94.54 132.35 151.26 189.08 207.98	151.27
26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0060)</small> See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0088 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	33.28 8.33 2.78 5.56 6.95 9.72 11.11 13.89 15.28	11.07
26 05 33 13-0089 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	41.79 10.36 3.45 6.91 8.64 12.09 13.82 17.27 19.00	13.76

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	53.28	16.89
			<i>For Work In Restricted Working Space, Add</i>	12.64	
			<i>For Elevated Installation >10' To 15', Add</i>	4.21	
			<i>For Elevated Installation >15' To 20', Add</i>	8.42	
			<i>For Elevated Installation >20' To 25', Add</i>	10.53	
			<i>For Elevated Installation >25' To 30', Add</i>	14.74	
			<i>For Elevated Installation >30' To 35', Add</i>	16.85	
			<i>For Elevated Installation >35' To 40', Add</i>	21.06	
			<i>For Elevated Installation >40', Add</i>	23.17	
26 05 33	13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	68.00	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Elevated Installation >10' To 15', Add</i>	4.89	
			<i>For Elevated Installation >15' To 20', Add</i>	9.78	
			<i>For Elevated Installation >20' To 25', Add</i>	12.23	
			<i>For Elevated Installation >25' To 30', Add</i>	17.12	
			<i>For Elevated Installation >30' To 35', Add</i>	19.56	
			<i>For Elevated Installation >35' To 40', Add</i>	24.46	
			<i>For Elevated Installation >40', Add</i>	26.90	
26 05 33	13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	78.89	22.48
			<i>For Work In Restricted Working Space, Add</i>	16.84	
			<i>For Elevated Installation >10' To 15', Add</i>	5.61	
			<i>For Elevated Installation >15' To 20', Add</i>	11.23	
			<i>For Elevated Installation >20' To 25', Add</i>	14.03	
			<i>For Elevated Installation >25' To 30', Add</i>	19.65	
			<i>For Elevated Installation >30' To 35', Add</i>	22.45	
			<i>For Elevated Installation >35' To 40', Add</i>	28.07	
			<i>For Elevated Installation >40', Add</i>	30.87	
26 05 33	13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	93.04	24.72
			<i>For Work In Restricted Working Space, Add</i>	18.53	
			<i>For Elevated Installation >10' To 15', Add</i>	6.18	
			<i>For Elevated Installation >15' To 20', Add</i>	12.35	
			<i>For Elevated Installation >20' To 25', Add</i>	15.44	
			<i>For Elevated Installation >25' To 30', Add</i>	21.61	
			<i>For Elevated Installation >30' To 35', Add</i>	24.70	
			<i>For Elevated Installation >35' To 40', Add</i>	30.88	
			<i>For Elevated Installation >40', Add</i>	33.96	
26 05 33	13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	130.70	30.88
			<i>For Work In Restricted Working Space, Add</i>	23.16	
			<i>For Elevated Installation >10' To 15', Add</i>	7.72	
			<i>For Elevated Installation >15' To 20', Add</i>	15.44	
			<i>For Elevated Installation >20' To 25', Add</i>	19.30	
			<i>For Elevated Installation >25' To 30', Add</i>	27.02	
			<i>For Elevated Installation >30' To 35', Add</i>	30.88	
			<i>For Elevated Installation >35' To 40', Add</i>	38.60	
			<i>For Elevated Installation >40', Add</i>	42.46	
26 05 33	13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	179.37	42.07
			<i>For Work In Restricted Working Space, Add</i>	31.55	
			<i>For Elevated Installation >10' To 15', Add</i>	10.52	
			<i>For Elevated Installation >15' To 20', Add</i>	21.03	
			<i>For Elevated Installation >20' To 25', Add</i>	26.29	
			<i>For Elevated Installation >25' To 30', Add</i>	36.81	
			<i>For Elevated Installation >30' To 35', Add</i>	42.07	
			<i>For Elevated Installation >35' To 40', Add</i>	52.59	
			<i>For Elevated Installation >40', Add</i>	57.84	
26 05 33	13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	236.01	47.44
			<i>For Work In Restricted Working Space, Add</i>	35.59	
			<i>For Elevated Installation >10' To 15', Add</i>	11.86	
			<i>For Elevated Installation >15' To 20', Add</i>	23.72	
			<i>For Elevated Installation >20' To 25', Add</i>	29.66	
			<i>For Elevated Installation >25' To 30', Add</i>	41.52	
			<i>For Elevated Installation >30' To 35', Add</i>	47.45	
			<i>For Elevated Installation >35' To 40', Add</i>	59.31	
			<i>For Elevated Installation >40', Add</i>	65.24	
26 05 33	13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	287.45	61.76
			<i>For Work In Restricted Working Space, Add</i>	46.31	
			<i>For Elevated Installation >10' To 15', Add</i>	15.44	
			<i>For Elevated Installation >15' To 20', Add</i>	30.87	
			<i>For Elevated Installation >20' To 25', Add</i>	38.59	
			<i>For Elevated Installation >25' To 30', Add</i>	54.03	
			<i>For Elevated Installation >30' To 35', Add</i>	61.75	
			<i>For Elevated Installation >35' To 40', Add</i>	77.19	
			<i>For Elevated Installation >40', Add</i>	84.90	
26 05 33	13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	497.18	100.70
			<i>For Work In Restricted Working Space, Add</i>	75.53	
			<i>For Elevated Installation >10' To 15', Add</i>	25.18	
			<i>For Elevated Installation >15' To 20', Add</i>	50.35	
			<i>For Elevated Installation >20' To 25', Add</i>	62.94	
			<i>For Elevated Installation >25' To 30', Add</i>	88.12	
			<i>For Elevated Installation >30' To 35', Add</i>	100.70	
			<i>For Elevated Installation >35' To 40', Add</i>	125.88	
			<i>For Elevated Installation >40', Add</i>	138.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0099 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	747.43	151.27
For Work In Restricted Working Space, Add	113.45	
For Elevated Installation >10' To 15', Add	37.82	
For Elevated Installation >15' To 20', Add	75.63	
For Elevated Installation >20' To 25', Add	94.54	
For Elevated Installation >25' To 30', Add	132.35	
For Elevated Installation >30' To 35', Add	151.26	
For Elevated Installation >35' To 40', Add	189.08	
For Elevated Installation >40', Add	207.98	
26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0101 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	81.85	27.63
For Work In Restricted Working Space, Add	16.58	
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
26 05 33 13-0102 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	94.34	32.00
For Work In Restricted Working Space, Add	19.20	
For Elevated Installation >10' To 15', Add	6.40	
For Elevated Installation >15' To 20', Add	12.80	
For Elevated Installation >20' To 25', Add	16.00	
For Elevated Installation >25' To 30', Add	22.40	
For Elevated Installation >30' To 35', Add	25.60	
For Elevated Installation >35' To 40', Add	32.00	
For Elevated Installation >40', Add	35.20	
26 05 33 13-0103 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	109.06	36.37
For Work In Restricted Working Space, Add	21.82	
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	
26 05 33 13-0104 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	122.82	40.00
For Work In Restricted Working Space, Add	24.00	
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0106 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	88.74	27.63
For Work In Restricted Working Space, Add	16.58	
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
26 05 33 13-0107 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	103.20	32.00
For Work In Restricted Working Space, Add	19.20	
For Elevated Installation >10' To 15', Add	6.40	
For Elevated Installation >15' To 20', Add	12.80	
For Elevated Installation >20' To 25', Add	16.00	
For Elevated Installation >25' To 30', Add	22.40	
For Elevated Installation >30' To 35', Add	25.60	
For Elevated Installation >35' To 40', Add	32.00	
For Elevated Installation >40', Add	35.20	
26 05 33 13-0108 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	113.10	36.37
For Work In Restricted Working Space, Add	21.82	
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	127.33 24.00 8.00 16.00 20.00 28.00 32.00 40.00 44.00	40.00
26 05 33	13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	169.05 30.11 10.04 20.07 25.09 35.13 40.14 50.18 55.20	50.18
26 05 33	13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	227.58 41.02 13.67 27.35 34.18 47.86 54.69 68.37 75.20	68.36
26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0060)</small>					
See CSI section 26 05 33 13-2319 for conduit field bending.					
26 05 33	13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	89.07 16.58 5.53 11.05 13.82 19.34 22.11 27.64 30.40	27.63
26 05 33	13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	102.32 19.20 6.40 12.80 16.00 22.40 25.60 32.00 35.20	32.00
26 05 33	13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	117.46 21.82 7.27 14.54 18.18 25.45 29.09 36.36 40.00	36.37
26 05 33	13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	137.09 24.00 8.00 16.00 20.00 28.00 32.00 40.00 44.00	40.00
26 05 33	13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	178.15 30.11 10.04 20.07 25.09 35.13 40.14 50.18 55.20	50.18
26 05 33	13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	234.91 41.02 13.67 27.35 34.18 47.86 54.69 68.37 75.20	68.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0119 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	292.96	77.09
For Work In Restricted Working Space, Add	46.25	
For Elevated Installation >10' To 15', Add	15.42	
For Elevated Installation >15' To 20', Add	30.84	
For Elevated Installation >20' To 25', Add	38.55	
For Elevated Installation >25' To 30', Add	53.96	
For Elevated Installation >30' To 35', Add	61.67	
For Elevated Installation >35' To 40', Add	77.09	
For Elevated Installation >40', Add	84.80	
26 05 33 13-0120 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	355.80	100.36
For Work In Restricted Working Space, Add	60.22	
For Elevated Installation >10' To 15', Add	20.07	
For Elevated Installation >15' To 20', Add	40.15	
For Elevated Installation >20' To 25', Add	50.18	
For Elevated Installation >25' To 30', Add	70.26	
For Elevated Installation >30' To 35', Add	80.29	
For Elevated Installation >35' To 40', Add	100.37	
For Elevated Installation >40', Add	110.40	
26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0122 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	100.06	27.63
For Work In Restricted Working Space, Add	16.58	
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
26 05 33 13-0123 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	113.11	32.00
For Work In Restricted Working Space, Add	19.20	
For Elevated Installation >10' To 15', Add	6.40	
For Elevated Installation >15' To 20', Add	12.80	
For Elevated Installation >20' To 25', Add	16.00	
For Elevated Installation >25' To 30', Add	22.40	
For Elevated Installation >30' To 35', Add	25.60	
For Elevated Installation >35' To 40', Add	32.00	
For Elevated Installation >40', Add	35.20	
26 05 33 13-0124 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	125.54	36.37
For Work In Restricted Working Space, Add	21.82	
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	
26 05 33 13-0125 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	149.00	40.00
For Work In Restricted Working Space, Add	24.00	
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
26 05 33 13-0126 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	194.39	50.18
For Work In Restricted Working Space, Add	30.11	
For Elevated Installation >10' To 15', Add	10.04	
For Elevated Installation >15' To 20', Add	20.07	
For Elevated Installation >20' To 25', Add	25.09	
For Elevated Installation >25' To 30', Add	35.13	
For Elevated Installation >30' To 35', Add	40.14	
For Elevated Installation >35' To 40', Add	50.18	
For Elevated Installation >40', Add	55.20	
26 05 33 13-0127 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	260.37	68.36
For Work In Restricted Working Space, Add	41.02	
For Elevated Installation >10' To 15', Add	13.67	
For Elevated Installation >15' To 20', Add	27.35	
For Elevated Installation >20' To 25', Add	34.18	
For Elevated Installation >25' To 30', Add	47.86	
For Elevated Installation >30' To 35', Add	54.69	
For Elevated Installation >35' To 40', Add	68.37	
For Elevated Installation >40', Add	75.20	
26 05 33 13-0128 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	317.71	77.09
For Work In Restricted Working Space, Add	46.25	
For Elevated Installation >10' To 15', Add	15.42	
For Elevated Installation >15' To 20', Add	30.84	
For Elevated Installation >20' To 25', Add	38.55	
For Elevated Installation >25' To 30', Add	53.96	
For Elevated Installation >30' To 35', Add	61.67	
For Elevated Installation >35' To 40', Add	77.09	
For Elevated Installation >40', Add	84.80	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0129	EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	375.53 60.22 20.07 40.15 50.18 70.26 80.29 100.37 110.40	100.36
26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0060)			
See CSI section 26 05 33 13-2319 for conduit field bending.			
26 05 33 13-0131	EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	99.39 16.58 5.53 11.05 13.82 19.34 22.11 27.64 30.40	27.63
26 05 33 13-0132	EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	121.12 19.20 6.40 12.80 16.00 22.40 25.60 32.00 35.20	32.00
26 05 33 13-0133	EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	134.22 21.82 7.27 14.54 18.18 25.45 29.09 36.36 40.00	36.37
26 05 33 13-0134	EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	160.34 24.00 8.00 16.00 20.00 28.00 32.00 40.00 44.00	40.00
26 05 33 13-0135	EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	209.96 30.11 10.04 20.07 25.09 35.13 40.14 50.18 55.20	50.18
26 05 33 13-0136	EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	280.47 41.02 13.67 27.35 34.18 47.86 54.69 68.37 75.20	68.36
26 05 33 13-0137	EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	342.17 46.25 15.42 30.84 38.55 53.96 61.67 77.09 84.80	77.09
26 05 33 13-0138	EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	411.74 60.22 20.07 40.15 50.18 70.26 80.29 100.37 110.40	100.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0139 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	598.29	163.64
<i>For Work In Restricted Working Space, Add</i>	98.18	
<i>For Elevated Installation >10' To 15', Add</i>	32.73	
<i>For Elevated Installation >15' To 20', Add</i>	65.45	
<i>For Elevated Installation >20' To 25', Add</i>	81.82	
<i>For Elevated Installation >25' To 30', Add</i>	114.54	
<i>For Elevated Installation >30' To 35', Add</i>	130.90	
<i>For Elevated Installation >35' To 40', Add</i>	163.63	
<i>For Elevated Installation >40', Add</i>	179.99	
26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
<small>See CSI section 26 05 33 13-2319 for conduit field bending.</small>		
26 05 33 13-0141 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	105.26	27.63
<i>For Work In Restricted Working Space, Add</i>	16.58	
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
26 05 33 13-0142 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	125.07	32.00
<i>For Work In Restricted Working Space, Add</i>	19.20	
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
26 05 33 13-0143 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	149.43	36.37
<i>For Work In Restricted Working Space, Add</i>	21.82	
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
26 05 33 13-0144 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	169.20	40.00
<i>For Work In Restricted Working Space, Add</i>	24.00	
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
26 05 33 13-0145 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	228.44	50.18
<i>For Work In Restricted Working Space, Add</i>	30.11	
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
26 05 33 13-0146 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	297.66	68.36
<i>For Work In Restricted Working Space, Add</i>	41.02	
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.18	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.69	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.20	
26 05 33 13-0147 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	373.77	77.09
<i>For Work In Restricted Working Space, Add</i>	46.25	
<i>For Elevated Installation >10' To 15', Add</i>	15.42	
<i>For Elevated Installation >15' To 20', Add</i>	30.84	
<i>For Elevated Installation >20' To 25', Add</i>	38.55	
<i>For Elevated Installation >25' To 30', Add</i>	53.96	
<i>For Elevated Installation >30' To 35', Add</i>	61.67	
<i>For Elevated Installation >35' To 40', Add</i>	77.09	
<i>For Elevated Installation >40', Add</i>	84.80	
26 05 33 13-0148 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	428.78	100.36
<i>For Work In Restricted Working Space, Add</i>	60.22	
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.15	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.26	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.37	
<i>For Elevated Installation >40', Add</i>	110.40	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0149	EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	737.28 98.18 32.73 65.45 81.82 114.54 130.90 163.63 179.99	163.64
26 05 33 13-0150	EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	942.08 147.49 49.16 98.32 122.91 172.07 196.65 245.81 270.39	245.82
26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0060)</small>			
See CSI section 26 05 33 13-2319 for conduit field bending.			
26 05 33 13-0152	EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	113.86 16.58 5.53 11.05 13.82 19.34 22.11 27.64 30.40	27.63
26 05 33 13-0153	EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	135.57 19.20 6.40 12.80 16.00 22.40 25.60 32.00 35.20	32.00
26 05 33 13-0154	EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	160.59 21.82 7.27 14.54 18.18 25.45 29.09 36.36 40.00	36.37
26 05 33 13-0155	EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	180.87 24.00 8.00 16.00 20.00 28.00 32.00 40.00 44.00	40.00
26 05 33 13-0156	EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	242.57 30.11 10.04 20.07 25.09 35.13 40.15 50.19 55.20	50.18
26 05 33 13-0157	EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	322.85 41.02 13.67 27.35 34.18 47.86 54.69 68.37 75.20	68.36
26 05 33 13-0158	EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	399.03 46.25 15.42 30.84 38.55 53.96 61.67 77.09 84.80	77.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0159 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	501.46	100.36
<i>For Work In Restricted Working Space, Add</i>	60.22	
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.15	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.26	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.37	
<i>For Elevated Installation >40', Add</i>	110.40	
26 05 33 13-0160 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	837.55	163.64
<i>For Work In Restricted Working Space, Add</i>	98.18	
<i>For Elevated Installation >10' To 15', Add</i>	32.73	
<i>For Elevated Installation >15' To 20', Add</i>	65.45	
<i>For Elevated Installation >20' To 25', Add</i>	81.82	
<i>For Elevated Installation >25' To 30', Add</i>	114.54	
<i>For Elevated Installation >30' To 35', Add</i>	130.90	
<i>For Elevated Installation >35' To 40', Add</i>	163.63	
<i>For Elevated Installation >40', Add</i>	179.99	
26 05 33 13-0161 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,028.90	245.82
<i>For Work In Restricted Working Space, Add</i>	147.49	
<i>For Elevated Installation >10' To 15', Add</i>	49.16	
<i>For Elevated Installation >15' To 20', Add</i>	98.32	
<i>For Elevated Installation >20' To 25', Add</i>	122.91	
<i>For Elevated Installation >25' To 30', Add</i>	172.07	
<i>For Elevated Installation >30' To 35', Add</i>	196.65	
<i>For Elevated Installation >35' To 40', Add</i>	245.81	
<i>For Elevated Installation >40', Add</i>	270.39	
26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0163 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	121.02	27.63
<i>For Work In Restricted Working Space, Add</i>	16.58	
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
26 05 33 13-0164 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	143.66	32.00
<i>For Work In Restricted Working Space, Add</i>	19.20	
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
26 05 33 13-0165 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	167.65	36.37
<i>For Work In Restricted Working Space, Add</i>	21.82	
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
26 05 33 13-0166 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	202.68	40.00
<i>For Work In Restricted Working Space, Add</i>	24.00	
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
26 05 33 13-0167 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	268.63	50.18
<i>For Work In Restricted Working Space, Add</i>	30.11	
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.15	
<i>For Elevated Installation >35' To 40', Add</i>	50.19	
<i>For Elevated Installation >40', Add</i>	55.20	
26 05 33 13-0168 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	348.23	68.36
<i>For Work In Restricted Working Space, Add</i>	41.02	
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.18	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.69	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.20	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0169	EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	430.79	77.09
	<i>For Work In Restricted Working Space, Add</i>	46.25	
	<i>For Elevated Installation >10' To 15', Add</i>	15.42	
	<i>For Elevated Installation >15' To 20', Add</i>	30.84	
	<i>For Elevated Installation >20' To 25', Add</i>	38.55	
	<i>For Elevated Installation >25' To 30', Add</i>	53.96	
	<i>For Elevated Installation >30' To 35', Add</i>	61.67	
	<i>For Elevated Installation >35' To 40', Add</i>	77.09	
	<i>For Elevated Installation >40', Add</i>	84.80	
26 05 33 13-0170	EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	540.04	100.36
	<i>For Work In Restricted Working Space, Add</i>	60.22	
	<i>For Elevated Installation >10' To 15', Add</i>	20.07	
	<i>For Elevated Installation >15' To 20', Add</i>	40.15	
	<i>For Elevated Installation >20' To 25', Add</i>	50.18	
	<i>For Elevated Installation >25' To 30', Add</i>	70.26	
	<i>For Elevated Installation >30' To 35', Add</i>	80.29	
	<i>For Elevated Installation >35' To 40', Add</i>	100.37	
	<i>For Elevated Installation >40', Add</i>	110.40	
26 05 33 13-0171	EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	868.95	163.64
	<i>For Work In Restricted Working Space, Add</i>	98.18	
	<i>For Elevated Installation >10' To 15', Add</i>	32.73	
	<i>For Elevated Installation >15' To 20', Add</i>	65.45	
	<i>For Elevated Installation >20' To 25', Add</i>	81.82	
	<i>For Elevated Installation >25' To 30', Add</i>	114.54	
	<i>For Elevated Installation >30' To 35', Add</i>	130.90	
	<i>For Elevated Installation >35' To 40', Add</i>	163.63	
	<i>For Elevated Installation >40', Add</i>	179.99	
26 05 33 13-0172	EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,046.47	245.82
	<i>For Work In Restricted Working Space, Add</i>	147.49	
	<i>For Elevated Installation >10' To 15', Add</i>	49.16	
	<i>For Elevated Installation >15' To 20', Add</i>	98.32	
	<i>For Elevated Installation >20' To 25', Add</i>	122.91	
	<i>For Elevated Installation >25' To 30', Add</i>	172.07	
	<i>For Elevated Installation >30' To 35', Add</i>	196.65	
	<i>For Elevated Installation >35' To 40', Add</i>	245.81	
	<i>For Elevated Installation >40', Add</i>	270.39	
26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0060)</small>			
26 05 33 13-0174	EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	14.65	7.14
	<i>For Work In Restricted Working Space, Add</i>	4.28	
	<i>For Elevated Installation >10' To 15', Add</i>	1.43	
	<i>For Elevated Installation >15' To 20', Add</i>	2.85	
	<i>For Elevated Installation >20' To 25', Add</i>	3.57	
	<i>For Elevated Installation >25' To 30', Add</i>	4.99	
	<i>For Elevated Installation >30' To 35', Add</i>	5.70	
	<i>For Elevated Installation >35' To 40', Add</i>	7.13	
	<i>For Elevated Installation >40', Add</i>	7.84	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.28	
26 05 33 13-0175	EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	15.73	7.61
	<i>For Work In Restricted Working Space, Add</i>	4.57	
	<i>For Elevated Installation >10' To 15', Add</i>	1.52	
	<i>For Elevated Installation >15' To 20', Add</i>	3.04	
	<i>For Elevated Installation >20' To 25', Add</i>	3.81	
	<i>For Elevated Installation >25' To 30', Add</i>	5.33	
	<i>For Elevated Installation >30' To 35', Add</i>	6.09	
	<i>For Elevated Installation >35' To 40', Add</i>	7.61	
	<i>For Elevated Installation >40', Add</i>	8.37	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.57	
26 05 33 13-0176	EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	17.89	8.56
	<i>For Work In Restricted Working Space, Add</i>	5.13	
	<i>For Elevated Installation >10' To 15', Add</i>	1.71	
	<i>For Elevated Installation >15' To 20', Add</i>	3.42	
	<i>For Elevated Installation >20' To 25', Add</i>	4.28	
	<i>For Elevated Installation >25' To 30', Add</i>	5.99	
	<i>For Elevated Installation >30' To 35', Add</i>	6.84	
	<i>For Elevated Installation >35' To 40', Add</i>	8.56	
	<i>For Elevated Installation >40', Add</i>	9.41	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.13	
26 05 33 13-0177	EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	20.14	9.51
	<i>For Work In Restricted Working Space, Add</i>	5.71	
	<i>For Elevated Installation >10' To 15', Add</i>	1.90	
	<i>For Elevated Installation >15' To 20', Add</i>	3.80	
	<i>For Elevated Installation >20' To 25', Add</i>	4.76	
	<i>For Elevated Installation >25' To 30', Add</i>	6.66	
	<i>For Elevated Installation >30' To 35', Add</i>	7.61	
	<i>For Elevated Installation >35' To 40', Add</i>	9.51	
	<i>For Elevated Installation >40', Add</i>	10.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0178 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	25.32	11.88
For Work In Restricted Working Space, Add	7.13	
For Elevated Installation >10' To 15', Add	2.38	
For Elevated Installation >15' To 20', Add	4.76	
For Elevated Installation >20' To 25', Add	5.95	
For Elevated Installation >25' To 30', Add	8.32	
For Elevated Installation >30' To 35', Add	9.51	
For Elevated Installation >35' To 40', Add	11.89	
For Elevated Installation >40', Add	13.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.13	
26 05 33 13-0179 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	31.38	14.26
For Work In Restricted Working Space, Add	8.56	
For Elevated Installation >10' To 15', Add	2.85	
For Elevated Installation >15' To 20', Add	5.71	
For Elevated Installation >20' To 25', Add	7.13	
For Elevated Installation >25' To 30', Add	9.99	
For Elevated Installation >30' To 35', Add	11.41	
For Elevated Installation >35' To 40', Add	14.27	
For Elevated Installation >40', Add	15.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.56	
26 05 33 13-0180 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	39.59	16.64
For Work In Restricted Working Space, Add	9.99	
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.66	
For Elevated Installation >20' To 25', Add	8.32	
For Elevated Installation >25' To 30', Add	11.65	
For Elevated Installation >30' To 35', Add	13.32	
For Elevated Installation >35' To 40', Add	16.65	
For Elevated Installation >40', Add	18.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.99	
26 05 33 13-0181 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	44.68	19.02
For Work In Restricted Working Space, Add	11.41	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	
26 05 33 13-0182 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	52.02	17.90
For Work In Restricted Working Space, Add	12.84	
For Elevated Installation >10' To 15', Add	4.28	
For Elevated Installation >15' To 20', Add	8.56	
For Elevated Installation >20' To 25', Add	10.70	
For Elevated Installation >25' To 30', Add	14.98	
For Elevated Installation >30' To 35', Add	17.12	
For Elevated Installation >35' To 40', Add	21.40	
For Elevated Installation >40', Add	23.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.84	
26 05 33 13-0183 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	57.71	23.78
For Work In Restricted Working Space, Add	14.27	
For Elevated Installation >10' To 15', Add	4.76	
For Elevated Installation >15' To 20', Add	9.51	
For Elevated Installation >20' To 25', Add	11.89	
For Elevated Installation >25' To 30', Add	16.64	
For Elevated Installation >30' To 35', Add	19.02	
For Elevated Installation >35' To 40', Add	23.78	
For Elevated Installation >40', Add	26.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.27	
26 05 33 13-0184 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	69.63	26.15
For Work In Restricted Working Space, Add	15.69	
For Elevated Installation >10' To 15', Add	5.23	
For Elevated Installation >15' To 20', Add	10.46	
For Elevated Installation >20' To 25', Add	13.08	
For Elevated Installation >25' To 30', Add	18.31	
For Elevated Installation >30' To 35', Add	20.92	
For Elevated Installation >35' To 40', Add	26.16	
For Elevated Installation >40', Add	28.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.69	
26 05 33 13-0185 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	100.94	28.53
For Work In Restricted Working Space, Add	17.12	
For Elevated Installation >10' To 15', Add	5.71	
For Elevated Installation >15' To 20', Add	11.41	
For Elevated Installation >20' To 25', Add	14.27	
For Elevated Installation >25' To 30', Add	19.97	
For Elevated Installation >30' To 35', Add	22.83	
For Elevated Installation >35' To 40', Add	28.54	
For Elevated Installation >40', Add	31.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.12	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0060)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	17.74		8.39
		<i>For Work In Restricted Working Space, Add</i>	5.03		
		<i>For Elevated Installation >10' To 15', Add</i>	1.68		
		<i>For Elevated Installation >15' To 20', Add</i>	3.36		
		<i>For Elevated Installation >20' To 25', Add</i>	4.20		
		<i>For Elevated Installation >25' To 30', Add</i>	5.87		
		<i>For Elevated Installation >30' To 35', Add</i>	6.71		
		<i>For Elevated Installation >35' To 40', Add</i>	8.39		
		<i>For Elevated Installation >40', Add</i>	9.23		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03		
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	19.31		8.95
		<i>For Work In Restricted Working Space, Add</i>	5.37		
		<i>For Elevated Installation >10' To 15', Add</i>	1.79		
		<i>For Elevated Installation >15' To 20', Add</i>	3.58		
		<i>For Elevated Installation >20' To 25', Add</i>	4.48		
		<i>For Elevated Installation >25' To 30', Add</i>	6.27		
		<i>For Elevated Installation >30' To 35', Add</i>	7.16		
		<i>For Elevated Installation >35' To 40', Add</i>	8.95		
		<i>For Elevated Installation >40', Add</i>	9.85		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37		
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	22.58		10.07
		<i>For Work In Restricted Working Space, Add</i>	6.04		
		<i>For Elevated Installation >10' To 15', Add</i>	2.01		
		<i>For Elevated Installation >15' To 20', Add</i>	4.03		
		<i>For Elevated Installation >20' To 25', Add</i>	5.04		
		<i>For Elevated Installation >25' To 30', Add</i>	7.05		
		<i>For Elevated Installation >30' To 35', Add</i>	8.06		
		<i>For Elevated Installation >35' To 40', Add</i>	10.07		
		<i>For Elevated Installation >40', Add</i>	11.08		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04		
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	25.39		11.19
		<i>For Work In Restricted Working Space, Add</i>	6.71		
		<i>For Elevated Installation >10' To 15', Add</i>	2.24		
		<i>For Elevated Installation >15' To 20', Add</i>	4.47		
		<i>For Elevated Installation >20' To 25', Add</i>	5.59		
		<i>For Elevated Installation >25' To 30', Add</i>	7.83		
		<i>For Elevated Installation >30' To 35', Add</i>	8.95		
		<i>For Elevated Installation >35' To 40', Add</i>	11.19		
		<i>For Elevated Installation >40', Add</i>	12.30		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71		
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	32.44		13.98
		<i>For Work In Restricted Working Space, Add</i>	8.39		
		<i>For Elevated Installation >10' To 15', Add</i>	2.80		
		<i>For Elevated Installation >15' To 20', Add</i>	5.60		
		<i>For Elevated Installation >20' To 25', Add</i>	7.00		
		<i>For Elevated Installation >25' To 30', Add</i>	9.79		
		<i>For Elevated Installation >30' To 35', Add</i>	11.19		
		<i>For Elevated Installation >35' To 40', Add</i>	13.99		
		<i>For Elevated Installation >40', Add</i>	15.39		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39		
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	38.37		16.78
		<i>For Work In Restricted Working Space, Add</i>	10.07		
		<i>For Elevated Installation >10' To 15', Add</i>	3.36		
		<i>For Elevated Installation >15' To 20', Add</i>	6.71		
		<i>For Elevated Installation >20' To 25', Add</i>	8.39		
		<i>For Elevated Installation >25' To 30', Add</i>	11.75		
		<i>For Elevated Installation >30' To 35', Add</i>	13.43		
		<i>For Elevated Installation >35' To 40', Add</i>	16.79		
		<i>For Elevated Installation >40', Add</i>	18.46		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07		
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	54.24		19.58
		<i>For Work In Restricted Working Space, Add</i>	11.75		
		<i>For Elevated Installation >10' To 15', Add</i>	3.92		
		<i>For Elevated Installation >15' To 20', Add</i>	7.83		
		<i>For Elevated Installation >20' To 25', Add</i>	9.79		
		<i>For Elevated Installation >25' To 30', Add</i>	13.71		
		<i>For Elevated Installation >30' To 35', Add</i>	15.66		
		<i>For Elevated Installation >35' To 40', Add</i>	19.58		
		<i>For Elevated Installation >40', Add</i>	21.54		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.75		
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	64.55		22.37
		<i>For Work In Restricted Working Space, Add</i>	13.43		
		<i>For Elevated Installation >10' To 15', Add</i>	4.48		
		<i>For Elevated Installation >15' To 20', Add</i>	8.95		
		<i>For Elevated Installation >20' To 25', Add</i>	11.19		
		<i>For Elevated Installation >25' To 30', Add</i>	15.67		
		<i>For Elevated Installation >30' To 35', Add</i>	17.90		
		<i>For Elevated Installation >35' To 40', Add</i>	22.38		
		<i>For Elevated Installation >40', Add</i>	24.62		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0195 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	96.56	25.17
<i>For Work In Restricted Working Space, Add</i>	15.11	
<i>For Elevated Installation >10' To 15', Add</i>	5.04	
<i>For Elevated Installation >15' To 20', Add</i>	10.07	
<i>For Elevated Installation >20' To 25', Add</i>	12.59	
<i>For Elevated Installation >25' To 30', Add</i>	17.62	
<i>For Elevated Installation >30' To 35', Add</i>	20.14	
<i>For Elevated Installation >35' To 40', Add</i>	25.18	
<i>For Elevated Installation >40', Add</i>	27.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.11	
26 05 33 13-0196 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing	130.89	27.98
<i>For Work In Restricted Working Space, Add</i>	16.78	
<i>For Elevated Installation >10' To 15', Add</i>	5.59	
<i>For Elevated Installation >15' To 20', Add</i>	11.19	
<i>For Elevated Installation >20' To 25', Add</i>	13.99	
<i>For Elevated Installation >25' To 30', Add</i>	19.58	
<i>For Elevated Installation >30' To 35', Add</i>	22.38	
<i>For Elevated Installation >35' To 40', Add</i>	27.97	
<i>For Elevated Installation >40', Add</i>	30.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33 13-0197 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing	175.22	30.77
<i>For Work In Restricted Working Space, Add</i>	18.46	
<i>For Elevated Installation >10' To 15', Add</i>	6.15	
<i>For Elevated Installation >15' To 20', Add</i>	12.31	
<i>For Elevated Installation >20' To 25', Add</i>	15.39	
<i>For Elevated Installation >25' To 30', Add</i>	21.54	
<i>For Elevated Installation >30' To 35', Add</i>	24.62	
<i>For Elevated Installation >35' To 40', Add</i>	30.77	
<i>For Elevated Installation >40', Add</i>	33.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 05 33 13-0198 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing	258.99	33.57
<i>For Work In Restricted Working Space, Add</i>	20.14	
<i>For Elevated Installation >10' To 15', Add</i>	6.71	
<i>For Elevated Installation >15' To 20', Add</i>	13.43	
<i>For Elevated Installation >20' To 25', Add</i>	16.78	
<i>For Elevated Installation >25' To 30', Add</i>	23.50	
<i>For Elevated Installation >30' To 35', Add</i>	26.85	
<i>For Elevated Installation >35' To 40', Add</i>	33.57	
<i>For Elevated Installation >40', Add</i>	36.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.14	
26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0060)</small>	18.88	8.39
26 05 33 13-0200 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.88	8.39
<i>For Work In Restricted Working Space, Add</i>	5.03	
<i>For Elevated Installation >10' To 15', Add</i>	1.68	
<i>For Elevated Installation >15' To 20', Add</i>	3.36	
<i>For Elevated Installation >20' To 25', Add</i>	4.20	
<i>For Elevated Installation >25' To 30', Add</i>	5.87	
<i>For Elevated Installation >30' To 35', Add</i>	6.71	
<i>For Elevated Installation >35' To 40', Add</i>	8.39	
<i>For Elevated Installation >40', Add</i>	9.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0201 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	21.02	8.95
<i>For Work In Restricted Working Space, Add</i>	5.37	
<i>For Elevated Installation >10' To 15', Add</i>	1.79	
<i>For Elevated Installation >15' To 20', Add</i>	3.58	
<i>For Elevated Installation >20' To 25', Add</i>	4.48	
<i>For Elevated Installation >25' To 30', Add</i>	6.27	
<i>For Elevated Installation >30' To 35', Add</i>	7.16	
<i>For Elevated Installation >35' To 40', Add</i>	8.95	
<i>For Elevated Installation >40', Add</i>	9.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
26 05 33 13-0202 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	24.74	10.07
<i>For Work In Restricted Working Space, Add</i>	6.04	
<i>For Elevated Installation >10' To 15', Add</i>	2.01	
<i>For Elevated Installation >15' To 20', Add</i>	4.03	
<i>For Elevated Installation >20' To 25', Add</i>	5.04	
<i>For Elevated Installation >25' To 30', Add</i>	7.05	
<i>For Elevated Installation >30' To 35', Add</i>	8.06	
<i>For Elevated Installation >35' To 40', Add</i>	10.07	
<i>For Elevated Installation >40', Add</i>	11.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33 13-0203 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	29.03	11.19
<i>For Work In Restricted Working Space, Add</i>	6.71	
<i>For Elevated Installation >10' To 15', Add</i>	2.24	
<i>For Elevated Installation >15' To 20', Add</i>	4.47	
<i>For Elevated Installation >20' To 25', Add</i>	5.59	
<i>For Elevated Installation >25' To 30', Add</i>	7.83	
<i>For Elevated Installation >30' To 35', Add</i>	8.95	
<i>For Elevated Installation >35' To 40', Add</i>	11.19	
<i>For Elevated Installation >40', Add</i>	12.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	36.24	13.98
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.60	
			<i>For Elevated Installation >20' To 25', Add</i>	7.00	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33	13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	45.10	16.78
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Elevated Installation >10' To 15', Add</i>	3.36	
			<i>For Elevated Installation >15' To 20', Add</i>	6.71	
			<i>For Elevated Installation >20' To 25', Add</i>	8.39	
			<i>For Elevated Installation >25' To 30', Add</i>	11.75	
			<i>For Elevated Installation >30' To 35', Add</i>	13.43	
			<i>For Elevated Installation >35' To 40', Add</i>	16.79	
			<i>For Elevated Installation >40', Add</i>	18.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 33	13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	63.37	19.58
			<i>For Work In Restricted Working Space, Add</i>	11.75	
			<i>For Elevated Installation >10' To 15', Add</i>	3.92	
			<i>For Elevated Installation >15' To 20', Add</i>	7.83	
			<i>For Elevated Installation >20' To 25', Add</i>	9.79	
			<i>For Elevated Installation >25' To 30', Add</i>	13.71	
			<i>For Elevated Installation >30' To 35', Add</i>	15.66	
			<i>For Elevated Installation >35' To 40', Add</i>	19.58	
			<i>For Elevated Installation >40', Add</i>	21.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.75	
26 05 33	13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	75.25	22.37
			<i>For Work In Restricted Working Space, Add</i>	13.43	
			<i>For Elevated Installation >10' To 15', Add</i>	4.48	
			<i>For Elevated Installation >15' To 20', Add</i>	8.95	
			<i>For Elevated Installation >20' To 25', Add</i>	11.19	
			<i>For Elevated Installation >25' To 30', Add</i>	15.67	
			<i>For Elevated Installation >30' To 35', Add</i>	17.90	
			<i>For Elevated Installation >35' To 40', Add</i>	22.38	
			<i>For Elevated Installation >40', Add</i>	24.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33	13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	98.55	25.17
			<i>For Work In Restricted Working Space, Add</i>	15.11	
			<i>For Elevated Installation >10' To 15', Add</i>	5.04	
			<i>For Elevated Installation >15' To 20', Add</i>	10.07	
			<i>For Elevated Installation >20' To 25', Add</i>	12.59	
			<i>For Elevated Installation >25' To 30', Add</i>	17.62	
			<i>For Elevated Installation >30' To 35', Add</i>	20.14	
			<i>For Elevated Installation >35' To 40', Add</i>	25.18	
			<i>For Elevated Installation >40', Add</i>	27.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.11	
26 05 33	13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	139.80	27.98
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	184.93	30.77
			<i>For Work In Restricted Working Space, Add</i>	18.46	
			<i>For Elevated Installation >10' To 15', Add</i>	6.15	
			<i>For Elevated Installation >15' To 20', Add</i>	12.31	
			<i>For Elevated Installation >20' To 25', Add</i>	15.39	
			<i>For Elevated Installation >25' To 30', Add</i>	21.54	
			<i>For Elevated Installation >30' To 35', Add</i>	24.62	
			<i>For Elevated Installation >35' To 40', Add</i>	30.77	
			<i>For Elevated Installation >40', Add</i>	33.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 05 33	13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	262.42	33.57
			<i>For Work In Restricted Working Space, Add</i>	20.14	
			<i>For Elevated Installation >10' To 15', Add</i>	6.71	
			<i>For Elevated Installation >15' To 20', Add</i>	13.43	
			<i>For Elevated Installation >20' To 25', Add</i>	16.78	
			<i>For Elevated Installation >25' To 30', Add</i>	23.50	
			<i>For Elevated Installation >30' To 35', Add</i>	26.85	
			<i>For Elevated Installation >35' To 40', Add</i>	33.57	
			<i>For Elevated Installation >40', Add</i>	36.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.14	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	28.61	10.07
For Work In Restricted Working Space, Add	6.04	
For Elevated Installation >10' To 15', Add	2.01	
For Elevated Installation >15' To 20', Add	4.03	
For Elevated Installation >20' To 25', Add	5.04	
For Elevated Installation >25' To 30', Add	7.05	
For Elevated Installation >30' To 35', Add	8.06	
For Elevated Installation >35' To 40', Add	10.07	
For Elevated Installation >40', Add	11.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 33 13-0214 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	32.04	11.19
For Work In Restricted Working Space, Add	6.71	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.47	
For Elevated Installation >20' To 25', Add	5.59	
For Elevated Installation >25' To 30', Add	7.83	
For Elevated Installation >30' To 35', Add	8.95	
For Elevated Installation >35' To 40', Add	11.19	
For Elevated Installation >40', Add	12.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.71	
26 05 33 13-0215 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	36.67	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-0216 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	43.58	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0217 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	52.68	17.35
For Work In Restricted Working Space, Add	10.40	
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-0218 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	66.41	20.70
For Work In Restricted Working Space, Add	12.42	
For Elevated Installation >10' To 15', Add	4.14	
For Elevated Installation >15' To 20', Add	8.28	
For Elevated Installation >20' To 25', Add	10.35	
For Elevated Installation >25' To 30', Add	14.49	
For Elevated Installation >30' To 35', Add	16.56	
For Elevated Installation >35' To 40', Add	20.70	
For Elevated Installation >40', Add	22.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.42	
26 05 33 13-0219 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	88.97	24.05
For Work In Restricted Working Space, Add	14.43	
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.62	
For Elevated Installation >20' To 25', Add	12.03	
For Elevated Installation >25' To 30', Add	16.84	
For Elevated Installation >30' To 35', Add	19.24	
For Elevated Installation >35' To 40', Add	24.06	
For Elevated Installation >40', Add	26.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.43	
26 05 33 13-0220 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	98.09	27.98
For Work In Restricted Working Space, Add	16.78	
For Elevated Installation >10' To 15', Add	5.59	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.58	
For Elevated Installation >30' To 35', Add	22.38	
For Elevated Installation >35' To 40', Add	27.97	
For Elevated Installation >40', Add	30.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.78	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	110.93	31.33
			<i>For Work In Restricted Working Space, Add</i>	18.80	
			<i>For Elevated Installation >10' To 15', Add</i>	6.27	
			<i>For Elevated Installation >15' To 20', Add</i>	12.53	
			<i>For Elevated Installation >20' To 25', Add</i>	15.67	
			<i>For Elevated Installation >25' To 30', Add</i>	21.93	
			<i>For Elevated Installation >30' To 35', Add</i>	25.06	
			<i>For Elevated Installation >35' To 40', Add</i>	31.33	
			<i>For Elevated Installation >40', Add</i>	34.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.80	
26 05 33	13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	143.26	34.68
			<i>For Work In Restricted Working Space, Add</i>	20.81	
			<i>For Elevated Installation >10' To 15', Add</i>	6.94	
			<i>For Elevated Installation >15' To 20', Add</i>	13.87	
			<i>For Elevated Installation >20' To 25', Add</i>	17.34	
			<i>For Elevated Installation >25' To 30', Add</i>	24.28	
			<i>For Elevated Installation >30' To 35', Add</i>	27.75	
			<i>For Elevated Installation >35' To 40', Add</i>	34.69	
			<i>For Elevated Installation >40', Add</i>	38.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.81	
26 05 33	13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	203.28	38.04
			<i>For Work In Restricted Working Space, Add</i>	22.83	
			<i>For Elevated Installation >10' To 15', Add</i>	7.61	
			<i>For Elevated Installation >15' To 20', Add</i>	15.22	
			<i>For Elevated Installation >20' To 25', Add</i>	19.02	
			<i>For Elevated Installation >25' To 30', Add</i>	26.63	
			<i>For Elevated Installation >30' To 35', Add</i>	30.44	
			<i>For Elevated Installation >35' To 40', Add</i>	38.05	
			<i>For Elevated Installation >40', Add</i>	41.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.83	
26 05 33	13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	279.98	41.96
			<i>For Work In Restricted Working Space, Add</i>	25.18	
			<i>For Elevated Installation >10' To 15', Add</i>	8.39	
			<i>For Elevated Installation >15' To 20', Add</i>	16.78	
			<i>For Elevated Installation >20' To 25', Add</i>	20.98	
			<i>For Elevated Installation >25' To 30', Add</i>	29.37	
			<i>For Elevated Installation >30' To 35', Add</i>	33.57	
			<i>For Elevated Installation >35' To 40', Add</i>	41.96	
			<i>For Elevated Installation >40', Add</i>	46.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.18	
26 05 33	13-0225		Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0060)</small>		
26 05 33	13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	17.29	5.15
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Elevated Installation >10' To 15', Add</i>	1.28	
			<i>For Elevated Installation >15' To 20', Add</i>	2.55	
			<i>For Elevated Installation >20' To 25', Add</i>	3.19	
			<i>For Elevated Installation >25' To 30', Add</i>	4.47	
			<i>For Elevated Installation >30' To 35', Add</i>	5.11	
			<i>For Elevated Installation >35' To 40', Add</i>	6.39	
			<i>For Elevated Installation >40', Add</i>	7.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	21.05	5.93
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Elevated Installation >10' To 15', Add</i>	1.48	
			<i>For Elevated Installation >15' To 20', Add</i>	2.96	
			<i>For Elevated Installation >20' To 25', Add</i>	3.70	
			<i>For Elevated Installation >25' To 30', Add</i>	5.17	
			<i>For Elevated Installation >30' To 35', Add</i>	5.91	
			<i>For Elevated Installation >35' To 40', Add</i>	7.39	
			<i>For Elevated Installation >40', Add</i>	8.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	27.82	7.16
			<i>For Work In Restricted Working Space, Add</i>	5.35	
			<i>For Elevated Installation >10' To 15', Add</i>	1.78	
			<i>For Elevated Installation >15' To 20', Add</i>	3.57	
			<i>For Elevated Installation >20' To 25', Add</i>	4.46	
			<i>For Elevated Installation >25' To 30', Add</i>	6.24	
			<i>For Elevated Installation >30' To 35', Add</i>	7.13	
			<i>For Elevated Installation >35' To 40', Add</i>	8.92	
			<i>For Elevated Installation >40', Add</i>	9.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.35	
26 05 33	13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	41.76	8.84
			<i>For Work In Restricted Working Space, Add</i>	6.65	
			<i>For Elevated Installation >10' To 15', Add</i>	2.22	
			<i>For Elevated Installation >15' To 20', Add</i>	4.43	
			<i>For Elevated Installation >20' To 25', Add</i>	5.54	
			<i>For Elevated Installation >25' To 30', Add</i>	7.76	
			<i>For Elevated Installation >30' To 35', Add</i>	8.86	
			<i>For Elevated Installation >35' To 40', Add</i>	11.08	
			<i>For Elevated Installation >40', Add</i>	12.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0230 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	56.60	11.86
For Work In Restricted Working Space, Add	8.90	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.94	
For Elevated Installation >20' To 25', Add	7.42	
For Elevated Installation >25' To 30', Add	10.39	
For Elevated Installation >30' To 35', Add	11.87	
For Elevated Installation >35' To 40', Add	14.84	
For Elevated Installation >40', Add	16.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.90	
26 05 33 13-0231 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	97.22	17.79
For Work In Restricted Working Space, Add	13.34	
For Elevated Installation >10' To 15', Add	4.45	
For Elevated Installation >15' To 20', Add	8.89	
For Elevated Installation >20' To 25', Add	11.11	
For Elevated Installation >25' To 30', Add	15.56	
For Elevated Installation >30' To 35', Add	17.78	
For Elevated Installation >35' To 40', Add	22.23	
For Elevated Installation >40', Add	24.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.34	
26 05 33 13-0232 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	179.83	19.69
For Work In Restricted Working Space, Add	14.77	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.85	
For Elevated Installation >20' To 25', Add	12.31	
For Elevated Installation >25' To 30', Add	17.23	
For Elevated Installation >30' To 35', Add	19.69	
For Elevated Installation >35' To 40', Add	24.62	
For Elevated Installation >40', Add	27.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.77	
26 05 33 13-0233 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	214.21	23.83
For Work In Restricted Working Space, Add	17.89	
For Elevated Installation >10' To 15', Add	5.96	
For Elevated Installation >15' To 20', Add	11.92	
For Elevated Installation >20' To 25', Add	14.91	
For Elevated Installation >25' To 30', Add	20.87	
For Elevated Installation >30' To 35', Add	23.85	
For Elevated Installation >35' To 40', Add	29.81	
For Elevated Installation >40', Add	32.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.89	
26 05 33 13-0234 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	290.53	29.87
For Work In Restricted Working Space, Add	22.39	
For Elevated Installation >10' To 15', Add	7.46	
For Elevated Installation >15' To 20', Add	14.93	
For Elevated Installation >20' To 25', Add	18.66	
For Elevated Installation >25' To 30', Add	26.12	
For Elevated Installation >30' To 35', Add	29.86	
For Elevated Installation >35' To 40', Add	37.32	
For Elevated Installation >40', Add	41.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.39	
26 05 33 13-0235 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	340.05	35.81
For Work In Restricted Working Space, Add	26.85	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.90	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.33	
For Elevated Installation >30' To 35', Add	35.80	
For Elevated Installation >35' To 40', Add	44.76	
For Elevated Installation >40', Add	49.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.85	
26 05 33 13-0236 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	605.88	39.83
For Work In Restricted Working Space, Add	29.84	
For Elevated Installation >10' To 15', Add	9.95	
For Elevated Installation >15' To 20', Add	19.89	
For Elevated Installation >20' To 25', Add	24.87	
For Elevated Installation >25' To 30', Add	34.81	
For Elevated Installation >30' To 35', Add	39.79	
For Elevated Installation >35' To 40', Add	49.74	
For Elevated Installation >40', Add	54.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.84	
26 05 33 13-0237 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	724.88	44.76
For Work In Restricted Working Space, Add	33.56	
For Elevated Installation >10' To 15', Add	11.19	
For Elevated Installation >15' To 20', Add	22.37	
For Elevated Installation >20' To 25', Add	27.97	
For Elevated Installation >25' To 30', Add	39.15	
For Elevated Installation >30' To 35', Add	44.74	
For Elevated Installation >35' To 40', Add	55.93	
For Elevated Installation >40', Add	61.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.56	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0060)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0239	EA 1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	16.36	7.28
	<i>For Work In Restricted Working Space, Add</i>	4.36	
	<i>For Elevated Installation >10' To 15', Add</i>	1.45	
	<i>For Elevated Installation >15' To 20', Add</i>	2.91	
	<i>For Elevated Installation >20' To 25', Add</i>	3.64	
	<i>For Elevated Installation >25' To 30', Add</i>	5.09	
	<i>For Elevated Installation >30' To 35', Add</i>	5.82	
	<i>For Elevated Installation >35' To 40', Add</i>	7.27	
	<i>For Elevated Installation >40', Add</i>	8.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-0240	EA 3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	18.83	8.39
	<i>For Work In Restricted Working Space, Add</i>	5.03	
	<i>For Elevated Installation >10' To 15', Add</i>	1.68	
	<i>For Elevated Installation >15' To 20', Add</i>	3.36	
	<i>For Elevated Installation >20' To 25', Add</i>	4.20	
	<i>For Elevated Installation >25' To 30', Add</i>	5.87	
	<i>For Elevated Installation >30' To 35', Add</i>	6.71	
	<i>For Elevated Installation >35' To 40', Add</i>	8.39	
	<i>For Elevated Installation >40', Add</i>	9.23	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0241	EA 1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	24.12	10.63
	<i>For Work In Restricted Working Space, Add</i>	6.38	
	<i>For Elevated Installation >10' To 15', Add</i>	2.13	
	<i>For Elevated Installation >15' To 20', Add</i>	4.25	
	<i>For Elevated Installation >20' To 25', Add</i>	5.32	
	<i>For Elevated Installation >25' To 30', Add</i>	7.44	
	<i>For Elevated Installation >30' To 35', Add</i>	8.50	
	<i>For Elevated Installation >35' To 40', Add</i>	10.63	
	<i>For Elevated Installation >40', Add</i>	11.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-0242	EA 1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	28.25	12.31
	<i>For Work In Restricted Working Space, Add</i>	7.38	
	<i>For Elevated Installation >10' To 15', Add</i>	2.46	
	<i>For Elevated Installation >15' To 20', Add</i>	4.92	
	<i>For Elevated Installation >20' To 25', Add</i>	6.15	
	<i>For Elevated Installation >25' To 30', Add</i>	8.61	
	<i>For Elevated Installation >30' To 35', Add</i>	9.84	
	<i>For Elevated Installation >35' To 40', Add</i>	12.31	
	<i>For Elevated Installation >40', Add</i>	13.54	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-0243	EA 1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	32.29	13.98
	<i>For Work In Restricted Working Space, Add</i>	8.39	
	<i>For Elevated Installation >10' To 15', Add</i>	2.80	
	<i>For Elevated Installation >15' To 20', Add</i>	5.59	
	<i>For Elevated Installation >20' To 25', Add</i>	6.99	
	<i>For Elevated Installation >25' To 30', Add</i>	9.79	
	<i>For Elevated Installation >30' To 35', Add</i>	11.19	
	<i>For Elevated Installation >35' To 40', Add</i>	13.99	
	<i>For Elevated Installation >40', Add</i>	15.38	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-0244	EA 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.51	7.28
	<i>For Work In Restricted Working Space, Add</i>	4.36	
	<i>For Elevated Installation >10' To 15', Add</i>	1.45	
	<i>For Elevated Installation >15' To 20', Add</i>	2.91	
	<i>For Elevated Installation >20' To 25', Add</i>	3.64	
	<i>For Elevated Installation >25' To 30', Add</i>	5.09	
	<i>For Elevated Installation >30' To 35', Add</i>	5.82	
	<i>For Elevated Installation >35' To 40', Add</i>	7.27	
	<i>For Elevated Installation >40', Add</i>	8.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-0245	EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.06	8.39
	<i>For Work In Restricted Working Space, Add</i>	5.03	
	<i>For Elevated Installation >10' To 15', Add</i>	1.68	
	<i>For Elevated Installation >15' To 20', Add</i>	3.36	
	<i>For Elevated Installation >20' To 25', Add</i>	4.20	
	<i>For Elevated Installation >25' To 30', Add</i>	5.87	
	<i>For Elevated Installation >30' To 35', Add</i>	6.71	
	<i>For Elevated Installation >35' To 40', Add</i>	8.39	
	<i>For Elevated Installation >40', Add</i>	9.23	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0246	EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.37	10.63
	<i>For Work In Restricted Working Space, Add</i>	6.38	
	<i>For Elevated Installation >10' To 15', Add</i>	2.13	
	<i>For Elevated Installation >15' To 20', Add</i>	4.25	
	<i>For Elevated Installation >20' To 25', Add</i>	5.32	
	<i>For Elevated Installation >25' To 30', Add</i>	7.44	
	<i>For Elevated Installation >30' To 35', Add</i>	8.50	
	<i>For Elevated Installation >35' To 40', Add</i>	10.63	
	<i>For Elevated Installation >40', Add</i>	11.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247 EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.60	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-0248 EA 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.84	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.59	
For Elevated Installation >20' To 25', Add	6.99	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0249 EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	37.21	15.66
For Work In Restricted Working Space, Add	9.40	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.83	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.53	
For Elevated Installation >35' To 40', Add	15.67	
For Elevated Installation >40', Add	17.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-0250 EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.67	7.28
For Work In Restricted Working Space, Add	4.36	
For Elevated Installation >10' To 15', Add	1.45	
For Elevated Installation >15' To 20', Add	2.91	
For Elevated Installation >20' To 25', Add	3.64	
For Elevated Installation >25' To 30', Add	5.09	
For Elevated Installation >30' To 35', Add	5.82	
For Elevated Installation >35' To 40', Add	7.27	
For Elevated Installation >40', Add	8.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-0251 EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.27	8.39
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-0252 EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.73	10.63
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-0253 EA 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.91	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-0254 EA 1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.21	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.59	
For Elevated Installation >20' To 25', Add	6.99	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	38.13	15.66
			<i>For Work In Restricted Working Space, Add</i>	9.40	
			<i>For Elevated Installation >10' To 15', Add</i>	3.13	
			<i>For Elevated Installation >15' To 20', Add</i>	6.27	
			<i>For Elevated Installation >20' To 25', Add</i>	7.83	
			<i>For Elevated Installation >25' To 30', Add</i>	10.97	
			<i>For Elevated Installation >30' To 35', Add</i>	12.53	
			<i>For Elevated Installation >35' To 40', Add</i>	15.67	
			<i>For Elevated Installation >40', Add</i>	17.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33	13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	52.09	19.02
			<i>For Work In Restricted Working Space, Add</i>	11.41	
			<i>For Elevated Installation >10' To 15', Add</i>	3.80	
			<i>For Elevated Installation >15' To 20', Add</i>	7.61	
			<i>For Elevated Installation >20' To 25', Add</i>	9.51	
			<i>For Elevated Installation >25' To 30', Add</i>	13.31	
			<i>For Elevated Installation >30' To 35', Add</i>	15.22	
			<i>For Elevated Installation >35' To 40', Add</i>	19.02	
			<i>For Elevated Installation >40', Add</i>	20.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33	13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	69.85	26.29
			<i>For Work In Restricted Working Space, Add</i>	15.77	
			<i>For Elevated Installation >10' To 15', Add</i>	5.26	
			<i>For Elevated Installation >15' To 20', Add</i>	10.52	
			<i>For Elevated Installation >20' To 25', Add</i>	13.15	
			<i>For Elevated Installation >25' To 30', Add</i>	18.40	
			<i>For Elevated Installation >30' To 35', Add</i>	21.03	
			<i>For Elevated Installation >35' To 40', Add</i>	26.29	
			<i>For Elevated Installation >40', Add</i>	28.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33	13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.87	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Elevated Installation >10' To 15', Add</i>	1.45	
			<i>For Elevated Installation >15' To 20', Add</i>	2.91	
			<i>For Elevated Installation >20' To 25', Add</i>	3.64	
			<i>For Elevated Installation >25' To 30', Add</i>	5.09	
			<i>For Elevated Installation >30' To 35', Add</i>	5.82	
			<i>For Elevated Installation >35' To 40', Add</i>	7.27	
			<i>For Elevated Installation >40', Add</i>	8.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33	13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.37	8.39
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.68	
			<i>For Elevated Installation >15' To 20', Add</i>	3.36	
			<i>For Elevated Installation >20' To 25', Add</i>	4.20	
			<i>For Elevated Installation >25' To 30', Add</i>	5.87	
			<i>For Elevated Installation >30' To 35', Add</i>	6.71	
			<i>For Elevated Installation >35' To 40', Add</i>	8.39	
			<i>For Elevated Installation >40', Add</i>	9.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.19	10.63
			<i>For Work In Restricted Working Space, Add</i>	6.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.13	
			<i>For Elevated Installation >15' To 20', Add</i>	4.25	
			<i>For Elevated Installation >20' To 25', Add</i>	5.32	
			<i>For Elevated Installation >25' To 30', Add</i>	7.44	
			<i>For Elevated Installation >30' To 35', Add</i>	8.50	
			<i>For Elevated Installation >35' To 40', Add</i>	10.63	
			<i>For Elevated Installation >40', Add</i>	11.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33	13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.50	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.92	
			<i>For Elevated Installation >20' To 25', Add</i>	6.15	
			<i>For Elevated Installation >25' To 30', Add</i>	8.61	
			<i>For Elevated Installation >30' To 35', Add</i>	9.84	
			<i>For Elevated Installation >35' To 40', Add</i>	12.31	
			<i>For Elevated Installation >40', Add</i>	13.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33	13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	33.99	13.98
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.59	
			<i>For Elevated Installation >20' To 25', Add</i>	6.99	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263 EA 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple.....	39.08	15.66
For Work In Restricted Working Space, Add	9.40	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.83	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.53	
For Elevated Installation >35' To 40', Add	15.67	
For Elevated Installation >40', Add	17.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-0264 EA 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	54.65	19.02
For Work In Restricted Working Space, Add	11.41	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	
26 05 33 13-0265 EA 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	72.07	26.29
For Work In Restricted Working Space, Add	15.77	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.40	
For Elevated Installation >30' To 35', Add	21.03	
For Elevated Installation >35' To 40', Add	26.29	
For Elevated Installation >40', Add	28.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.77	
26 05 33 13-0266 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.07	7.28
For Work In Restricted Working Space, Add	4.36	
For Elevated Installation >10' To 15', Add	1.45	
For Elevated Installation >15' To 20', Add	2.91	
For Elevated Installation >20' To 25', Add	3.64	
For Elevated Installation >25' To 30', Add	5.09	
For Elevated Installation >30' To 35', Add	5.82	
For Elevated Installation >35' To 40', Add	7.27	
For Elevated Installation >40', Add	8.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-0267 EA 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.73	8.39
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-0268 EA 1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.48	10.63
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-0269 EA 1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.78	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-0270 EA 1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.53	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.59	
For Elevated Installation >20' To 25', Add	6.99	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	39.88	15.66
			<i>For Work In Restricted Working Space, Add</i>	9.40	
			<i>For Elevated Installation >10' To 15', Add</i>	3.13	
			<i>For Elevated Installation >15' To 20', Add</i>	6.27	
			<i>For Elevated Installation >20' To 25', Add</i>	7.83	
			<i>For Elevated Installation >25' To 30', Add</i>	10.97	
			<i>For Elevated Installation >30' To 35', Add</i>	12.53	
			<i>For Elevated Installation >35' To 40', Add</i>	15.67	
			<i>For Elevated Installation >40', Add</i>	17.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33	13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	55.43	19.02
			<i>For Work In Restricted Working Space, Add</i>	11.41	
			<i>For Elevated Installation >10' To 15', Add</i>	3.80	
			<i>For Elevated Installation >15' To 20', Add</i>	7.61	
			<i>For Elevated Installation >20' To 25', Add</i>	9.51	
			<i>For Elevated Installation >25' To 30', Add</i>	13.31	
			<i>For Elevated Installation >30' To 35', Add</i>	15.22	
			<i>For Elevated Installation >35' To 40', Add</i>	19.02	
			<i>For Elevated Installation >40', Add</i>	20.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33	13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	73.70	26.29
			<i>For Work In Restricted Working Space, Add</i>	15.77	
			<i>For Elevated Installation >10' To 15', Add</i>	5.26	
			<i>For Elevated Installation >15' To 20', Add</i>	10.52	
			<i>For Elevated Installation >20' To 25', Add</i>	13.15	
			<i>For Elevated Installation >25' To 30', Add</i>	18.40	
			<i>For Elevated Installation >30' To 35', Add</i>	21.03	
			<i>For Elevated Installation >35' To 40', Add</i>	26.29	
			<i>For Elevated Installation >40', Add</i>	28.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33	13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	85.00	29.65
			<i>For Work In Restricted Working Space, Add</i>	17.79	
			<i>For Elevated Installation >10' To 15', Add</i>	5.93	
			<i>For Elevated Installation >15' To 20', Add</i>	11.86	
			<i>For Elevated Installation >20' To 25', Add</i>	14.82	
			<i>For Elevated Installation >25' To 30', Add</i>	20.75	
			<i>For Elevated Installation >30' To 35', Add</i>	23.72	
			<i>For Elevated Installation >35' To 40', Add</i>	29.65	
			<i>For Elevated Installation >40', Add</i>	32.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33	13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	106.06	38.61
			<i>For Work In Restricted Working Space, Add</i>	23.16	
			<i>For Elevated Installation >10' To 15', Add</i>	7.72	
			<i>For Elevated Installation >15' To 20', Add</i>	15.44	
			<i>For Elevated Installation >20' To 25', Add</i>	19.30	
			<i>For Elevated Installation >25' To 30', Add</i>	27.02	
			<i>For Elevated Installation >30' To 35', Add</i>	30.88	
			<i>For Elevated Installation >35' To 40', Add</i>	38.60	
			<i>For Elevated Installation >40', Add</i>	42.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33	13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	17.37	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Elevated Installation >10' To 15', Add</i>	1.45	
			<i>For Elevated Installation >15' To 20', Add</i>	2.91	
			<i>For Elevated Installation >20' To 25', Add</i>	3.64	
			<i>For Elevated Installation >25' To 30', Add</i>	5.09	
			<i>For Elevated Installation >30' To 35', Add</i>	5.82	
			<i>For Elevated Installation >35' To 40', Add</i>	7.27	
			<i>For Elevated Installation >40', Add</i>	8.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33	13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	20.17	8.39
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.68	
			<i>For Elevated Installation >15' To 20', Add</i>	3.36	
			<i>For Elevated Installation >20' To 25', Add</i>	4.20	
			<i>For Elevated Installation >25' To 30', Add</i>	5.87	
			<i>For Elevated Installation >30' To 35', Add</i>	6.71	
			<i>For Elevated Installation >35' To 40', Add</i>	8.39	
			<i>For Elevated Installation >40', Add</i>	9.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	26.04	10.63
			<i>For Work In Restricted Working Space, Add</i>	6.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.13	
			<i>For Elevated Installation >15' To 20', Add</i>	4.25	
			<i>For Elevated Installation >20' To 25', Add</i>	5.32	
			<i>For Elevated Installation >25' To 30', Add</i>	7.44	
			<i>For Elevated Installation >30' To 35', Add</i>	8.50	
			<i>For Elevated Installation >35' To 40', Add</i>	10.63	
			<i>For Elevated Installation >40', Add</i>	11.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.60	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-0280 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.33	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.59	
For Elevated Installation >20' To 25', Add	6.99	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0281 EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.31	15.66
For Work In Restricted Working Space, Add	9.40	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.83	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.53	
For Elevated Installation >35' To 40', Add	15.67	
For Elevated Installation >40', Add	17.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-0282 EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	58.60	19.02
For Work In Restricted Working Space, Add	11.41	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	
26 05 33 13-0283 EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	77.14	26.29
For Work In Restricted Working Space, Add	15.77	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.40	
For Elevated Installation >30' To 35', Add	21.03	
For Elevated Installation >35' To 40', Add	26.29	
For Elevated Installation >40', Add	28.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.77	
26 05 33 13-0284 EA 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	88.41	29.65
For Work In Restricted Working Space, Add	17.79	
For Elevated Installation >10' To 15', Add	5.93	
For Elevated Installation >15' To 20', Add	11.86	
For Elevated Installation >20' To 25', Add	14.82	
For Elevated Installation >25' To 30', Add	20.75	
For Elevated Installation >30' To 35', Add	23.72	
For Elevated Installation >35' To 40', Add	29.65	
For Elevated Installation >40', Add	32.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.79	
26 05 33 13-0285 EA 4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	111.04	38.61
For Work In Restricted Working Space, Add	23.16	
For Elevated Installation >10' To 15', Add	7.72	
For Elevated Installation >15' To 20', Add	15.44	
For Elevated Installation >20' To 25', Add	19.30	
For Elevated Installation >25' To 30', Add	27.02	
For Elevated Installation >30' To 35', Add	30.88	
For Elevated Installation >35' To 40', Add	38.60	
For Elevated Installation >40', Add	42.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-0286 EA 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	171.98	53.15
For Work In Restricted Working Space, Add	31.88	
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.26	
For Elevated Installation >20' To 25', Add	26.57	
For Elevated Installation >25' To 30', Add	37.20	
For Elevated Installation >30' To 35', Add	42.51	
For Elevated Installation >35' To 40', Add	53.14	
For Elevated Installation >40', Add	58.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	218.24	68.14
			<i>For Work In Restricted Working Space, Add</i>	40.91	
			<i>For Elevated Installation >10' To 15', Add</i>	13.64	
			<i>For Elevated Installation >15' To 20', Add</i>	27.27	
			<i>For Elevated Installation >20' To 25', Add</i>	34.09	
			<i>For Elevated Installation >25' To 30', Add</i>	47.73	
			<i>For Elevated Installation >30' To 35', Add</i>	54.54	
			<i>For Elevated Installation >35' To 40', Add</i>	68.18	
			<i>For Elevated Installation >40', Add</i>	75.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.91	
26 05 33	13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	17.92	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Elevated Installation >10' To 15', Add</i>	1.45	
			<i>For Elevated Installation >15' To 20', Add</i>	2.91	
			<i>For Elevated Installation >20' To 25', Add</i>	3.64	
			<i>For Elevated Installation >25' To 30', Add</i>	5.09	
			<i>For Elevated Installation >30' To 35', Add</i>	5.82	
			<i>For Elevated Installation >35' To 40', Add</i>	7.27	
			<i>For Elevated Installation >40', Add</i>	8.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33	13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	20.73	8.39
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.68	
			<i>For Elevated Installation >15' To 20', Add</i>	3.36	
			<i>For Elevated Installation >20' To 25', Add</i>	4.20	
			<i>For Elevated Installation >25' To 30', Add</i>	5.87	
			<i>For Elevated Installation >30' To 35', Add</i>	6.71	
			<i>For Elevated Installation >35' To 40', Add</i>	8.39	
			<i>For Elevated Installation >40', Add</i>	9.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	26.49	10.63
			<i>For Work In Restricted Working Space, Add</i>	6.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.13	
			<i>For Elevated Installation >15' To 20', Add</i>	4.25	
			<i>For Elevated Installation >20' To 25', Add</i>	5.32	
			<i>For Elevated Installation >25' To 30', Add</i>	7.44	
			<i>For Elevated Installation >30' To 35', Add</i>	8.50	
			<i>For Elevated Installation >35' To 40', Add</i>	10.63	
			<i>For Elevated Installation >40', Add</i>	11.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33	13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	31.36	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.92	
			<i>For Elevated Installation >20' To 25', Add</i>	6.15	
			<i>For Elevated Installation >25' To 30', Add</i>	8.61	
			<i>For Elevated Installation >30' To 35', Add</i>	9.84	
			<i>For Elevated Installation >35' To 40', Add</i>	12.31	
			<i>For Elevated Installation >40', Add</i>	13.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33	13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	37.01	13.98
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.59	
			<i>For Elevated Installation >20' To 25', Add</i>	6.99	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33	13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	42.74	15.66
			<i>For Work In Restricted Working Space, Add</i>	9.40	
			<i>For Elevated Installation >10' To 15', Add</i>	3.13	
			<i>For Elevated Installation >15' To 20', Add</i>	6.27	
			<i>For Elevated Installation >20' To 25', Add</i>	7.83	
			<i>For Elevated Installation >25' To 30', Add</i>	10.97	
			<i>For Elevated Installation >30' To 35', Add</i>	12.53	
			<i>For Elevated Installation >35' To 40', Add</i>	15.67	
			<i>For Elevated Installation >40', Add</i>	17.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33	13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	61.37	19.02
			<i>For Work In Restricted Working Space, Add</i>	11.41	
			<i>For Elevated Installation >10' To 15', Add</i>	3.80	
			<i>For Elevated Installation >15' To 20', Add</i>	7.61	
			<i>For Elevated Installation >20' To 25', Add</i>	9.51	
			<i>For Elevated Installation >25' To 30', Add</i>	13.31	
			<i>For Elevated Installation >30' To 35', Add</i>	15.22	
			<i>For Elevated Installation >35' To 40', Add</i>	19.02	
			<i>For Elevated Installation >40', Add</i>	20.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	80.62	26.29
For Work In Restricted Working Space, Add	15.77	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.40	
For Elevated Installation >30' To 35', Add	21.03	
For Elevated Installation >35' To 40', Add	26.29	
For Elevated Installation >40', Add	28.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.77	
26 05 33 13-0296 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	92.57	29.65
For Work In Restricted Working Space, Add	17.79	
For Elevated Installation >10' To 15', Add	5.93	
For Elevated Installation >15' To 20', Add	11.86	
For Elevated Installation >20' To 25', Add	14.82	
For Elevated Installation >25' To 30', Add	20.75	
For Elevated Installation >30' To 35', Add	23.72	
For Elevated Installation >35' To 40', Add	29.65	
For Elevated Installation >40', Add	32.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.79	
26 05 33 13-0297 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	114.99	38.61
For Work In Restricted Working Space, Add	23.16	
For Elevated Installation >10' To 15', Add	7.72	
For Elevated Installation >15' To 20', Add	15.44	
For Elevated Installation >20' To 25', Add	19.30	
For Elevated Installation >25' To 30', Add	27.02	
For Elevated Installation >30' To 35', Add	30.88	
For Elevated Installation >35' To 40', Add	38.60	
For Elevated Installation >40', Add	42.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-0298 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	177.77	53.15
For Work In Restricted Working Space, Add	31.88	
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.26	
For Elevated Installation >20' To 25', Add	26.57	
For Elevated Installation >25' To 30', Add	37.20	
For Elevated Installation >30' To 35', Add	42.51	
For Elevated Installation >35' To 40', Add	53.14	
For Elevated Installation >40', Add	58.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-0299 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	226.72	68.14
For Work In Restricted Working Space, Add	40.91	
For Elevated Installation >10' To 15', Add	13.64	
For Elevated Installation >15' To 20', Add	27.27	
For Elevated Installation >20' To 25', Add	34.09	
For Elevated Installation >25' To 30', Add	47.73	
For Elevated Installation >30' To 35', Add	54.54	
For Elevated Installation >35' To 40', Add	68.18	
For Elevated Installation >40', Add	75.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.91	
26 05 33 13-0300 EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.92	7.28
For Work In Restricted Working Space, Add	4.36	
For Elevated Installation >10' To 15', Add	1.45	
For Elevated Installation >15' To 20', Add	2.91	
For Elevated Installation >20' To 25', Add	3.64	
For Elevated Installation >25' To 30', Add	5.09	
For Elevated Installation >30' To 35', Add	5.82	
For Elevated Installation >35' To 40', Add	7.27	
For Elevated Installation >40', Add	8.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-0301 EA 3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.29	8.39
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-0302 EA 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.51	10.63
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	35.66	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.92	
			<i>For Elevated Installation >20' To 25', Add</i>	6.15	
			<i>For Elevated Installation >25' To 30', Add</i>	8.61	
			<i>For Elevated Installation >30' To 35', Add</i>	9.84	
			<i>For Elevated Installation >35' To 40', Add</i>	12.31	
			<i>For Elevated Installation >40', Add</i>	13.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33	13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	41.80	13.98
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.59	
			<i>For Elevated Installation >20' To 25', Add</i>	6.99	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33	13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	47.79	15.66
			<i>For Work In Restricted Working Space, Add</i>	9.40	
			<i>For Elevated Installation >10' To 15', Add</i>	3.13	
			<i>For Elevated Installation >15' To 20', Add</i>	6.27	
			<i>For Elevated Installation >20' To 25', Add</i>	7.83	
			<i>For Elevated Installation >25' To 30', Add</i>	10.97	
			<i>For Elevated Installation >30' To 35', Add</i>	12.53	
			<i>For Elevated Installation >35' To 40', Add</i>	15.67	
			<i>For Elevated Installation >40', Add</i>	17.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33	13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	68.73	19.02
			<i>For Work In Restricted Working Space, Add</i>	11.41	
			<i>For Elevated Installation >10' To 15', Add</i>	3.80	
			<i>For Elevated Installation >15' To 20', Add</i>	7.61	
			<i>For Elevated Installation >20' To 25', Add</i>	9.51	
			<i>For Elevated Installation >25' To 30', Add</i>	13.31	
			<i>For Elevated Installation >30' To 35', Add</i>	15.22	
			<i>For Elevated Installation >35' To 40', Add</i>	19.02	
			<i>For Elevated Installation >40', Add</i>	20.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33	13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	89.07	26.29
			<i>For Work In Restricted Working Space, Add</i>	15.77	
			<i>For Elevated Installation >10' To 15', Add</i>	5.26	
			<i>For Elevated Installation >15' To 20', Add</i>	10.52	
			<i>For Elevated Installation >20' To 25', Add</i>	13.15	
			<i>For Elevated Installation >25' To 30', Add</i>	18.40	
			<i>For Elevated Installation >30' To 35', Add</i>	21.03	
			<i>For Elevated Installation >35' To 40', Add</i>	26.29	
			<i>For Elevated Installation >40', Add</i>	28.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33	13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	101.00	29.65
			<i>For Work In Restricted Working Space, Add</i>	17.79	
			<i>For Elevated Installation >10' To 15', Add</i>	5.93	
			<i>For Elevated Installation >15' To 20', Add</i>	11.86	
			<i>For Elevated Installation >20' To 25', Add</i>	14.82	
			<i>For Elevated Installation >25' To 30', Add</i>	20.75	
			<i>For Elevated Installation >30' To 35', Add</i>	23.72	
			<i>For Elevated Installation >35' To 40', Add</i>	29.65	
			<i>For Elevated Installation >40', Add</i>	32.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33	13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	124.30	38.61
			<i>For Work In Restricted Working Space, Add</i>	23.16	
			<i>For Elevated Installation >10' To 15', Add</i>	7.72	
			<i>For Elevated Installation >15' To 20', Add</i>	15.44	
			<i>For Elevated Installation >20' To 25', Add</i>	19.30	
			<i>For Elevated Installation >25' To 30', Add</i>	27.02	
			<i>For Elevated Installation >30' To 35', Add</i>	30.88	
			<i>For Elevated Installation >35' To 40', Add</i>	38.60	
			<i>For Elevated Installation >40', Add</i>	42.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33	13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	191.19	53.15
			<i>For Work In Restricted Working Space, Add</i>	31.88	
			<i>For Elevated Installation >10' To 15', Add</i>	10.63	
			<i>For Elevated Installation >15' To 20', Add</i>	21.26	
			<i>For Elevated Installation >20' To 25', Add</i>	26.57	
			<i>For Elevated Installation >25' To 30', Add</i>	37.20	
			<i>For Elevated Installation >30' To 35', Add</i>	42.51	
			<i>For Elevated Installation >35' To 40', Add</i>	53.14	
			<i>For Elevated Installation >40', Add</i>	58.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0311 EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	241.79	68.14
For Work In Restricted Working Space, Add	40.91	
For Elevated Installation >10' To 15', Add	13.64	
For Elevated Installation >15' To 20', Add	27.27	
For Elevated Installation >20' To 25', Add	34.09	
For Elevated Installation >25' To 30', Add	47.73	
For Elevated Installation >30' To 35', Add	54.54	
For Elevated Installation >35' To 40', Add	68.18	
For Elevated Installation >40', Add	75.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.91	
26 05 33 13-0312 EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.28	7.28
For Work In Restricted Working Space, Add	4.36	
For Elevated Installation >10' To 15', Add	1.45	
For Elevated Installation >15' To 20', Add	2.91	
For Elevated Installation >20' To 25', Add	3.64	
For Elevated Installation >25' To 30', Add	5.09	
For Elevated Installation >30' To 35', Add	5.82	
For Elevated Installation >35' To 40', Add	7.27	
For Elevated Installation >40', Add	8.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-0313 EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.60	8.39
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-0314 EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.91	10.63
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-0315 EA 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	38.51	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-0316 EA 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	44.61	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.59	
For Elevated Installation >20' To 25', Add	6.99	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0317 EA 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	51.05	15.66
For Work In Restricted Working Space, Add	9.40	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.83	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.53	
For Elevated Installation >35' To 40', Add	15.67	
For Elevated Installation >40', Add	17.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-0318 EA 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	73.67	19.02
For Work In Restricted Working Space, Add	11.41	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	95.70	26.29
			<i>For Work In Restricted Working Space, Add</i>	15.77	
			<i>For Elevated Installation >10' To 15', Add</i>	5.26	
			<i>For Elevated Installation >15' To 20', Add</i>	10.52	
			<i>For Elevated Installation >20' To 25', Add</i>	13.15	
			<i>For Elevated Installation >25' To 30', Add</i>	18.40	
			<i>For Elevated Installation >30' To 35', Add</i>	21.03	
			<i>For Elevated Installation >35' To 40', Add</i>	26.29	
			<i>For Elevated Installation >40', Add</i>	28.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33	13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	109.74	29.65
			<i>For Work In Restricted Working Space, Add</i>	17.79	
			<i>For Elevated Installation >10' To 15', Add</i>	5.93	
			<i>For Elevated Installation >15' To 20', Add</i>	11.86	
			<i>For Elevated Installation >20' To 25', Add</i>	14.82	
			<i>For Elevated Installation >25' To 30', Add</i>	20.75	
			<i>For Elevated Installation >30' To 35', Add</i>	23.72	
			<i>For Elevated Installation >35' To 40', Add</i>	29.65	
			<i>For Elevated Installation >40', Add</i>	32.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33	13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	135.37	38.61
			<i>For Work In Restricted Working Space, Add</i>	23.16	
			<i>For Elevated Installation >10' To 15', Add</i>	7.72	
			<i>For Elevated Installation >15' To 20', Add</i>	15.44	
			<i>For Elevated Installation >20' To 25', Add</i>	19.30	
			<i>For Elevated Installation >25' To 30', Add</i>	27.02	
			<i>For Elevated Installation >30' To 35', Add</i>	30.88	
			<i>For Elevated Installation >35' To 40', Add</i>	38.60	
			<i>For Elevated Installation >40', Add</i>	42.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33	13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	205.83	53.15
			<i>For Work In Restricted Working Space, Add</i>	31.88	
			<i>For Elevated Installation >10' To 15', Add</i>	10.63	
			<i>For Elevated Installation >15' To 20', Add</i>	21.26	
			<i>For Elevated Installation >20' To 25', Add</i>	26.57	
			<i>For Elevated Installation >25' To 30', Add</i>	37.20	
			<i>For Elevated Installation >30' To 35', Add</i>	42.51	
			<i>For Elevated Installation >35' To 40', Add</i>	53.14	
			<i>For Elevated Installation >40', Add</i>	58.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	
26 05 33	13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	268.12	68.14
			<i>For Work In Restricted Working Space, Add</i>	40.91	
			<i>For Elevated Installation >10' To 15', Add</i>	13.64	
			<i>For Elevated Installation >15' To 20', Add</i>	27.27	
			<i>For Elevated Installation >20' To 25', Add</i>	34.09	
			<i>For Elevated Installation >25' To 30', Add</i>	47.73	
			<i>For Elevated Installation >30' To 35', Add</i>	54.54	
			<i>For Elevated Installation >35' To 40', Add</i>	68.18	
			<i>For Elevated Installation >40', Add</i>	75.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.91	
26 05 33	13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	22.30	7.28
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Elevated Installation >10' To 15', Add</i>	1.45	
			<i>For Elevated Installation >15' To 20', Add</i>	2.91	
			<i>For Elevated Installation >20' To 25', Add</i>	3.64	
			<i>For Elevated Installation >25' To 30', Add</i>	5.09	
			<i>For Elevated Installation >30' To 35', Add</i>	5.82	
			<i>For Elevated Installation >35' To 40', Add</i>	7.27	
			<i>For Elevated Installation >40', Add</i>	8.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33	13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	25.57	8.39
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.68	
			<i>For Elevated Installation >15' To 20', Add</i>	3.36	
			<i>For Elevated Installation >20' To 25', Add</i>	4.20	
			<i>For Elevated Installation >25' To 30', Add</i>	5.87	
			<i>For Elevated Installation >30' To 35', Add</i>	6.71	
			<i>For Elevated Installation >35' To 40', Add</i>	8.39	
			<i>For Elevated Installation >40', Add</i>	9.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	33.35	10.63
			<i>For Work In Restricted Working Space, Add</i>	6.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.13	
			<i>For Elevated Installation >15' To 20', Add</i>	4.25	
			<i>For Elevated Installation >20' To 25', Add</i>	5.32	
			<i>For Elevated Installation >25' To 30', Add</i>	7.44	
			<i>For Elevated Installation >30' To 35', Add</i>	8.50	
			<i>For Elevated Installation >35' To 40', Add</i>	10.63	
			<i>For Elevated Installation >40', Add</i>	11.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	40.79	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-0328 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	46.02	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.59	
For Elevated Installation >20' To 25', Add	6.99	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0329 EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	53.78	15.66
For Work In Restricted Working Space, Add	9.40	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.83	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.53	
For Elevated Installation >35' To 40', Add	15.67	
For Elevated Installation >40', Add	17.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-0330 EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	79.48	19.02
For Work In Restricted Working Space, Add	11.41	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	
26 05 33 13-0331 EA 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	104.94	26.29
For Work In Restricted Working Space, Add	15.77	
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.40	
For Elevated Installation >30' To 35', Add	21.03	
For Elevated Installation >35' To 40', Add	26.29	
For Elevated Installation >40', Add	28.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.77	
26 05 33 13-0332 EA 3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	118.25	29.65
For Work In Restricted Working Space, Add	17.79	
For Elevated Installation >10' To 15', Add	5.93	
For Elevated Installation >15' To 20', Add	11.86	
For Elevated Installation >20' To 25', Add	14.82	
For Elevated Installation >25' To 30', Add	20.75	
For Elevated Installation >30' To 35', Add	23.72	
For Elevated Installation >35' To 40', Add	29.65	
For Elevated Installation >40', Add	32.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.79	
26 05 33 13-0333 EA 4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	146.46	38.61
For Work In Restricted Working Space, Add	23.16	
For Elevated Installation >10' To 15', Add	7.72	
For Elevated Installation >15' To 20', Add	15.44	
For Elevated Installation >20' To 25', Add	19.30	
For Elevated Installation >25' To 30', Add	27.02	
For Elevated Installation >30' To 35', Add	30.88	
For Elevated Installation >35' To 40', Add	38.60	
For Elevated Installation >40', Add	42.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-0334 EA 5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	226.87	53.15
For Work In Restricted Working Space, Add	31.88	
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.26	
For Elevated Installation >20' To 25', Add	26.57	
For Elevated Installation >25' To 30', Add	37.20	
For Elevated Installation >30' To 35', Add	42.51	
For Elevated Installation >35' To 40', Add	53.14	
For Elevated Installation >40', Add	58.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0335	EA		6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	282.76	68.14
			<i>For Work In Restricted Working Space, Add</i>	40.91	
			<i>For Elevated Installation >10' To 15', Add</i>	13.64	
			<i>For Elevated Installation >15' To 20', Add</i>	27.27	
			<i>For Elevated Installation >20' To 25', Add</i>	34.09	
			<i>For Elevated Installation >25' To 30', Add</i>	47.73	
			<i>For Elevated Installation >30' To 35', Add</i>	54.54	
			<i>For Elevated Installation >35' To 40', Add</i>	68.18	
			<i>For Elevated Installation >40', Add</i>	75.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.91	
26 05 33 13-0336			Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0060)		
26 05 33 13-0337	EA		1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	17.07	5.82
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Elevated Installation >10' To 15', Add</i>	1.47	
			<i>For Elevated Installation >15' To 20', Add</i>	2.93	
			<i>For Elevated Installation >20' To 25', Add</i>	3.67	
			<i>For Elevated Installation >25' To 30', Add</i>	5.13	
			<i>For Elevated Installation >30' To 35', Add</i>	5.86	
			<i>For Elevated Installation >35' To 40', Add</i>	7.33	
			<i>For Elevated Installation >40', Add</i>	8.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-0338	EA		3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	20.37	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.01	
			<i>For Elevated Installation >10' To 15', Add</i>	1.67	
			<i>For Elevated Installation >15' To 20', Add</i>	3.34	
			<i>For Elevated Installation >20' To 25', Add</i>	4.17	
			<i>For Elevated Installation >25' To 30', Add</i>	5.84	
			<i>For Elevated Installation >30' To 35', Add</i>	6.68	
			<i>For Elevated Installation >35' To 40', Add</i>	8.35	
			<i>For Elevated Installation >40', Add</i>	9.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33 13-0339	EA		1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	25.55	8.50
			<i>For Work In Restricted Working Space, Add</i>	6.40	
			<i>For Elevated Installation >10' To 15', Add</i>	2.13	
			<i>For Elevated Installation >15' To 20', Add</i>	4.27	
			<i>For Elevated Installation >20' To 25', Add</i>	5.34	
			<i>For Elevated Installation >25' To 30', Add</i>	7.47	
			<i>For Elevated Installation >30' To 35', Add</i>	8.54	
			<i>For Elevated Installation >35' To 40', Add</i>	10.67	
			<i>For Elevated Installation >40', Add</i>	11.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.40	
26 05 33 13-0340	EA		1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	32.37	10.18
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Elevated Installation >10' To 15', Add</i>	2.56	
			<i>For Elevated Installation >15' To 20', Add</i>	5.12	
			<i>For Elevated Installation >20' To 25', Add</i>	6.40	
			<i>For Elevated Installation >25' To 30', Add</i>	8.95	
			<i>For Elevated Installation >30' To 35', Add</i>	10.23	
			<i>For Elevated Installation >35' To 40', Add</i>	12.79	
			<i>For Elevated Installation >40', Add</i>	14.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0341	EA		1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	35.45	11.19
			<i>For Work In Restricted Working Space, Add</i>	8.40	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.60	
			<i>For Elevated Installation >20' To 25', Add</i>	7.00	
			<i>For Elevated Installation >25' To 30', Add</i>	9.80	
			<i>For Elevated Installation >30' To 35', Add</i>	11.20	
			<i>For Elevated Installation >35' To 40', Add</i>	14.00	
			<i>For Elevated Installation >40', Add</i>	15.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.40	
26 05 33 13-0342	EA		2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	46.32	13.76
			<i>For Work In Restricted Working Space, Add</i>	10.34	
			<i>For Elevated Installation >10' To 15', Add</i>	3.45	
			<i>For Elevated Installation >15' To 20', Add</i>	6.90	
			<i>For Elevated Installation >20' To 25', Add</i>	8.62	
			<i>For Elevated Installation >25' To 30', Add</i>	12.07	
			<i>For Elevated Installation >30' To 35', Add</i>	13.79	
			<i>For Elevated Installation >35' To 40', Add</i>	17.24	
			<i>For Elevated Installation >40', Add</i>	18.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33 13-0343	EA		2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated.....	75.67	22.37
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0344 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	122.00	30.88
For Work In Restricted Working Space, Add	23.16	
For Elevated Installation >10' To 15', Add	7.72	
For Elevated Installation >15' To 20', Add	15.44	
For Elevated Installation >20' To 25', Add	19.30	
For Elevated Installation >25' To 30', Add	27.02	
For Elevated Installation >30' To 35', Add	30.88	
For Elevated Installation >35' To 40', Add	38.60	
For Elevated Installation >40', Add	42.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-0345 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	151.18	36.48
For Work In Restricted Working Space, Add	27.20	
For Elevated Installation >10' To 15', Add	9.07	
For Elevated Installation >15' To 20', Add	18.14	
For Elevated Installation >20' To 25', Add	22.67	
For Elevated Installation >25' To 30', Add	31.74	
For Elevated Installation >30' To 35', Add	36.27	
For Elevated Installation >35' To 40', Add	45.34	
For Elevated Installation >40', Add	49.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.20	
26 05 33 13-0346 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	181.29	42.07
For Work In Restricted Working Space, Add	31.56	
For Elevated Installation >10' To 15', Add	10.52	
For Elevated Installation >15' To 20', Add	21.04	
For Elevated Installation >20' To 25', Add	26.30	
For Elevated Installation >25' To 30', Add	36.82	
For Elevated Installation >30' To 35', Add	42.08	
For Elevated Installation >35' To 40', Add	52.60	
For Elevated Installation >40', Add	57.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.56	
26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0060)</small>		
Note: Erickson fittings.		
26 05 33 13-0348 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	47.45	17.90
For Work In Restricted Working Space, Add	13.44	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.96	
For Elevated Installation >20' To 25', Add	11.20	
For Elevated Installation >25' To 30', Add	15.68	
For Elevated Installation >30' To 35', Add	17.92	
For Elevated Installation >35' To 40', Add	22.41	
For Elevated Installation >40', Add	24.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.44	
26 05 33 13-0349 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	53.40	20.03
For Work In Restricted Working Space, Add	15.00	
For Elevated Installation >10' To 15', Add	5.00	
For Elevated Installation >15' To 20', Add	10.00	
For Elevated Installation >20' To 25', Add	12.50	
For Elevated Installation >25' To 30', Add	17.50	
For Elevated Installation >30' To 35', Add	20.00	
For Elevated Installation >35' To 40', Add	25.01	
For Elevated Installation >40', Add	27.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.00	
26 05 33 13-0350 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	61.96	22.26
For Work In Restricted Working Space, Add	16.71	
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.14	
For Elevated Installation >20' To 25', Add	13.93	
For Elevated Installation >25' To 30', Add	19.50	
For Elevated Installation >30' To 35', Add	22.28	
For Elevated Installation >35' To 40', Add	27.85	
For Elevated Installation >40', Add	30.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.71	
26 05 33 13-0351 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	74.30	24.39
For Work In Restricted Working Space, Add	18.29	
For Elevated Installation >10' To 15', Add	6.10	
For Elevated Installation >15' To 20', Add	12.19	
For Elevated Installation >20' To 25', Add	15.24	
For Elevated Installation >25' To 30', Add	21.34	
For Elevated Installation >30' To 35', Add	24.38	
For Elevated Installation >35' To 40', Add	30.48	
For Elevated Installation >40', Add	33.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.29	
26 05 33 13-0352 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	82.68	26.63
For Work In Restricted Working Space, Add	20.01	
For Elevated Installation >10' To 15', Add	6.67	
For Elevated Installation >15' To 20', Add	13.34	
For Elevated Installation >20' To 25', Add	16.67	
For Elevated Installation >25' To 30', Add	23.34	
For Elevated Installation >30' To 35', Add	26.68	
For Elevated Installation >35' To 40', Add	33.35	
For Elevated Installation >40', Add	36.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.01	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	104.24	28.87
For Work In Restricted Working Space, Add	21.67	
For Elevated Installation >10' To 15', Add	7.22	
For Elevated Installation >15' To 20', Add	14.44	
For Elevated Installation >20' To 25', Add	18.06	
For Elevated Installation >25' To 30', Add	25.28	
For Elevated Installation >30' To 35', Add	28.89	
For Elevated Installation >35' To 40', Add	36.11	
For Elevated Installation >40', Add	39.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.67	
26 05 33 13-0354 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	163.69	35.81
For Work In Restricted Working Space, Add	26.85	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.90	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.33	
For Elevated Installation >30' To 35', Add	35.80	
For Elevated Installation >35' To 40', Add	44.76	
For Elevated Installation >40', Add	49.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.85	
26 05 33 13-0355 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	224.47	44.76
For Work In Restricted Working Space, Add	33.56	
For Elevated Installation >10' To 15', Add	11.19	
For Elevated Installation >15' To 20', Add	22.38	
For Elevated Installation >20' To 25', Add	27.97	
For Elevated Installation >25' To 30', Add	39.16	
For Elevated Installation >30' To 35', Add	44.75	
For Elevated Installation >35' To 40', Add	55.94	
For Elevated Installation >40', Add	61.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.56	
26 05 33 13-0356 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	321.84	53.70
For Work In Restricted Working Space, Add	40.29	
For Elevated Installation >10' To 15', Add	13.43	
For Elevated Installation >15' To 20', Add	26.86	
For Elevated Installation >20' To 25', Add	33.58	
For Elevated Installation >25' To 30', Add	47.01	
For Elevated Installation >30' To 35', Add	53.72	
For Elevated Installation >35' To 40', Add	67.16	
For Elevated Installation >40', Add	73.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.29	
26 05 33 13-0357 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	365.98	58.18
For Work In Restricted Working Space, Add	43.63	
For Elevated Installation >10' To 15', Add	14.54	
For Elevated Installation >15' To 20', Add	29.09	
For Elevated Installation >20' To 25', Add	36.36	
For Elevated Installation >25' To 30', Add	50.90	
For Elevated Installation >30' To 35', Add	58.18	
For Elevated Installation >35' To 40', Add	72.72	
For Elevated Installation >40', Add	79.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.63	
26 05 33 13-0358 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	631.61	71.61
For Work In Restricted Working Space, Add	53.70	
For Elevated Installation >10' To 15', Add	17.90	
For Elevated Installation >15' To 20', Add	35.80	
For Elevated Installation >20' To 25', Add	44.75	
For Elevated Installation >25' To 30', Add	62.65	
For Elevated Installation >30' To 35', Add	71.60	
For Elevated Installation >35' To 40', Add	89.50	
For Elevated Installation >40', Add	98.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.70	
26 05 33 13-0359 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	810.27	82.79
For Work In Restricted Working Space, Add	62.09	
For Elevated Installation >10' To 15', Add	20.70	
For Elevated Installation >15' To 20', Add	41.39	
For Elevated Installation >20' To 25', Add	51.74	
For Elevated Installation >25' To 30', Add	72.44	
For Elevated Installation >30' To 35', Add	82.79	
For Elevated Installation >35' To 40', Add	103.49	
For Elevated Installation >40', Add	113.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.09	
26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0060)</small>		
26 05 33 13-0361 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	28.83	8.95
For Work In Restricted Working Space, Add	6.71	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.47	
For Elevated Installation >20' To 25', Add	5.59	
For Elevated Installation >25' To 30', Add	7.83	
For Elevated Installation >30' To 35', Add	8.95	
For Elevated Installation >35' To 40', Add	11.19	
For Elevated Installation >40', Add	12.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	32.25	9.85
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
26 05 33 13-0363 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.08	11.19
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
26 05 33 13-0364 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	42.21	12.09
For Work In Restricted Working Space, Add	9.06	
For Elevated Installation >10' To 15', Add	3.02	
For Elevated Installation >15' To 20', Add	6.04	
For Elevated Installation >20' To 25', Add	7.55	
For Elevated Installation >25' To 30', Add	10.57	
For Elevated Installation >30' To 35', Add	12.08	
For Elevated Installation >35' To 40', Add	15.10	
For Elevated Installation >40', Add	16.61	
26 05 33 13-0365 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	50.31	13.43
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.75	
For Elevated Installation >30' To 35', Add	13.43	
For Elevated Installation >35' To 40', Add	16.79	
For Elevated Installation >40', Add	18.46	
26 05 33 13-0366 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	61.68	14.77
For Work In Restricted Working Space, Add	11.08	
For Elevated Installation >10' To 15', Add	3.69	
For Elevated Installation >15' To 20', Add	7.39	
For Elevated Installation >20' To 25', Add	9.23	
For Elevated Installation >25' To 30', Add	12.93	
For Elevated Installation >30' To 35', Add	14.77	
For Elevated Installation >35' To 40', Add	18.47	
For Elevated Installation >40', Add	20.31	
26 05 33 13-0367 EA 2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	84.44	17.90
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.95	
For Elevated Installation >20' To 25', Add	11.19	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.90	
For Elevated Installation >35' To 40', Add	22.38	
For Elevated Installation >40', Add	24.62	
26 05 33 13-0368 EA 3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	104.35	22.37
For Work In Restricted Working Space, Add	16.78	
For Elevated Installation >10' To 15', Add	5.59	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.58	
For Elevated Installation >30' To 35', Add	22.38	
For Elevated Installation >35' To 40', Add	27.97	
For Elevated Installation >40', Add	30.77	
26 05 33 13-0369 EA 3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	125.37	26.85
For Work In Restricted Working Space, Add	20.14	
For Elevated Installation >10' To 15', Add	6.71	
For Elevated Installation >15' To 20', Add	13.43	
For Elevated Installation >20' To 25', Add	16.78	
For Elevated Installation >25' To 30', Add	23.50	
For Elevated Installation >30' To 35', Add	26.85	
For Elevated Installation >35' To 40', Add	33.57	
For Elevated Installation >40', Add	36.92	
26 05 33 13-0370 EA 4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	141.88	29.09
For Work In Restricted Working Space, Add	21.82	
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0060)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33	13-0372	EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	24.80	10.07
		<i>For Work In Restricted Working Space, Add</i>	6.04	
		<i>For Elevated Installation >10' To 15', Add</i>	2.01	
		<i>For Elevated Installation >15' To 20', Add</i>	4.03	
		<i>For Elevated Installation >20' To 25', Add</i>	5.04	
		<i>For Elevated Installation >25' To 30', Add</i>	7.05	
		<i>For Elevated Installation >30' To 35', Add</i>	8.06	
		<i>For Elevated Installation >35' To 40', Add</i>	10.07	
		<i>For Elevated Installation >40', Add</i>	11.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33	13-0373	EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	27.63	11.19
		<i>For Work In Restricted Working Space, Add</i>	6.71	
		<i>For Elevated Installation >10' To 15', Add</i>	2.24	
		<i>For Elevated Installation >15' To 20', Add</i>	4.47	
		<i>For Elevated Installation >20' To 25', Add</i>	5.59	
		<i>For Elevated Installation >25' To 30', Add</i>	7.83	
		<i>For Elevated Installation >30' To 35', Add</i>	8.95	
		<i>For Elevated Installation >35' To 40', Add</i>	11.19	
		<i>For Elevated Installation >40', Add</i>	12.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	
26 05 33	13-0374	EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	34.15	13.98
		<i>For Work In Restricted Working Space, Add</i>	8.39	
		<i>For Elevated Installation >10' To 15', Add</i>	2.80	
		<i>For Elevated Installation >15' To 20', Add</i>	5.60	
		<i>For Elevated Installation >20' To 25', Add</i>	7.00	
		<i>For Elevated Installation >25' To 30', Add</i>	9.79	
		<i>For Elevated Installation >30' To 35', Add</i>	11.19	
		<i>For Elevated Installation >35' To 40', Add</i>	13.99	
		<i>For Elevated Installation >40', Add</i>	15.39	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33	13-0375	EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	41.95	16.78
		<i>For Work In Restricted Working Space, Add</i>	10.07	
		<i>For Elevated Installation >10' To 15', Add</i>	3.36	
		<i>For Elevated Installation >15' To 20', Add</i>	6.71	
		<i>For Elevated Installation >20' To 25', Add</i>	8.39	
		<i>For Elevated Installation >25' To 30', Add</i>	11.75	
		<i>For Elevated Installation >30' To 35', Add</i>	13.43	
		<i>For Elevated Installation >35' To 40', Add</i>	16.79	
		<i>For Elevated Installation >40', Add</i>	18.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 33	13-0376	EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	53.97	22.37
		<i>For Work In Restricted Working Space, Add</i>	13.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.48	
		<i>For Elevated Installation >15' To 20', Add</i>	8.95	
		<i>For Elevated Installation >20' To 25', Add</i>	11.19	
		<i>For Elevated Installation >25' To 30', Add</i>	15.67	
		<i>For Elevated Installation >30' To 35', Add</i>	17.90	
		<i>For Elevated Installation >35' To 40', Add</i>	22.38	
		<i>For Elevated Installation >40', Add</i>	24.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33	13-0377	EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	62.66	25.17
		<i>For Work In Restricted Working Space, Add</i>	15.11	
		<i>For Elevated Installation >10' To 15', Add</i>	5.04	
		<i>For Elevated Installation >15' To 20', Add</i>	10.07	
		<i>For Elevated Installation >20' To 25', Add</i>	12.59	
		<i>For Elevated Installation >25' To 30', Add</i>	17.62	
		<i>For Elevated Installation >30' To 35', Add</i>	20.14	
		<i>For Elevated Installation >35' To 40', Add</i>	25.18	
		<i>For Elevated Installation >40', Add</i>	27.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.11	
26 05 33	13-0378	EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	76.84	27.98
		<i>For Work In Restricted Working Space, Add</i>	16.78	
		<i>For Elevated Installation >10' To 15', Add</i>	5.59	
		<i>For Elevated Installation >15' To 20', Add</i>	11.19	
		<i>For Elevated Installation >20' To 25', Add</i>	13.99	
		<i>For Elevated Installation >25' To 30', Add</i>	19.58	
		<i>For Elevated Installation >30' To 35', Add</i>	22.38	
		<i>For Elevated Installation >35' To 40', Add</i>	27.97	
		<i>For Elevated Installation >40', Add</i>	30.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-0379	EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	103.25	35.24
		<i>For Work In Restricted Working Space, Add</i>	21.15	
		<i>For Elevated Installation >10' To 15', Add</i>	7.05	
		<i>For Elevated Installation >15' To 20', Add</i>	14.10	
		<i>For Elevated Installation >20' To 25', Add</i>	17.62	
		<i>For Elevated Installation >25' To 30', Add</i>	24.67	
		<i>For Elevated Installation >30' To 35', Add</i>	28.20	
		<i>For Elevated Installation >35' To 40', Add</i>	35.25	
		<i>For Elevated Installation >40', Add</i>	38.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	122.64	42.52
For Work In Restricted Working Space, Add	25.51	
For Elevated Installation >10' To 15', Add	8.50	
For Elevated Installation >15' To 20', Add	17.01	
For Elevated Installation >20' To 25', Add	21.26	
For Elevated Installation >25' To 30', Add	29.76	
For Elevated Installation >30' To 35', Add	34.01	
For Elevated Installation >35' To 40', Add	42.52	
For Elevated Installation >40', Add	46.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.51	
26 05 33 13-0381 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	150.29	50.35
For Work In Restricted Working Space, Add	30.21	
For Elevated Installation >10' To 15', Add	10.07	
For Elevated Installation >15' To 20', Add	20.14	
For Elevated Installation >20' To 25', Add	25.18	
For Elevated Installation >25' To 30', Add	35.25	
For Elevated Installation >30' To 35', Add	40.28	
For Elevated Installation >35' To 40', Add	50.35	
For Elevated Installation >40', Add	55.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.21	
26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement ^{(26 05}		
^{33 13-0060)}		
Note: Type AX		
26 05 33 13-0383 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	98.84	17.90
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.95	
For Elevated Installation >20' To 25', Add	11.19	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.90	
For Elevated Installation >35' To 40', Add	22.38	
For Elevated Installation >40', Add	24.62	
26 05 33 13-0384 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	112.09	20.14
For Work In Restricted Working Space, Add	15.11	
For Elevated Installation >10' To 15', Add	5.04	
For Elevated Installation >15' To 20', Add	10.07	
For Elevated Installation >20' To 25', Add	12.59	
For Elevated Installation >25' To 30', Add	17.62	
For Elevated Installation >30' To 35', Add	20.14	
For Elevated Installation >35' To 40', Add	25.18	
For Elevated Installation >40', Add	27.69	
26 05 33 13-0385 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	131.90	22.37
For Work In Restricted Working Space, Add	16.79	
For Elevated Installation >10' To 15', Add	5.60	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.58	
For Elevated Installation >30' To 35', Add	22.38	
For Elevated Installation >35' To 40', Add	27.98	
For Elevated Installation >40', Add	30.77	
26 05 33 13-0386 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	159.92	24.61
For Work In Restricted Working Space, Add	18.46	
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.39	
For Elevated Installation >25' To 30', Add	21.54	
For Elevated Installation >30' To 35', Add	24.62	
For Elevated Installation >35' To 40', Add	30.77	
For Elevated Installation >40', Add	33.85	
26 05 33 13-0387 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	198.61	26.85
For Work In Restricted Working Space, Add	20.14	
For Elevated Installation >10' To 15', Add	6.71	
For Elevated Installation >15' To 20', Add	13.43	
For Elevated Installation >20' To 25', Add	16.78	
For Elevated Installation >25' To 30', Add	23.50	
For Elevated Installation >30' To 35', Add	26.85	
For Elevated Installation >35' To 40', Add	33.57	
For Elevated Installation >40', Add	36.92	
26 05 33 13-0388 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	269.93	29.09
For Work In Restricted Working Space, Add	21.81	
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.08	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	39.99	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	408.32	35.81
26 05 33	13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	522.49	44.76
26 05 33	13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	756.08	53.70
26 05 33	13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	806.50	58.18
26 05 33	13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	1,225.25	71.61
26 05 33	13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	1,500.25	79.44
26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0060)</small>					
Note: Type AX-8					
26 05 33	13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	107.88	17.90
26 05 33	13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	120.10	20.14
26 05 33	13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	144.47	22.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	179.72	24.61
<i>For Work In Restricted Working Space, Add</i>	18.46	
<i>For Elevated Installation >10' To 15', Add</i>	6.15	
<i>For Elevated Installation >15' To 20', Add</i>	12.31	
<i>For Elevated Installation >20' To 25', Add</i>	15.39	
<i>For Elevated Installation >25' To 30', Add</i>	21.54	
<i>For Elevated Installation >30' To 35', Add</i>	24.62	
<i>For Elevated Installation >35' To 40', Add</i>	30.77	
<i>For Elevated Installation >40', Add</i>	33.85	
26 05 33 13-0400 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	237.95	26.85
<i>For Work In Restricted Working Space, Add</i>	20.14	
<i>For Elevated Installation >10' To 15', Add</i>	6.71	
<i>For Elevated Installation >15' To 20', Add</i>	13.43	
<i>For Elevated Installation >20' To 25', Add</i>	16.78	
<i>For Elevated Installation >25' To 30', Add</i>	23.50	
<i>For Elevated Installation >30' To 35', Add</i>	26.85	
<i>For Elevated Installation >35' To 40', Add</i>	33.57	
<i>For Elevated Installation >40', Add</i>	36.92	
26 05 33 13-0401 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	288.72	29.09
<i>For Work In Restricted Working Space, Add</i>	21.81	
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.08	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	39.99	
26 05 33 13-0402 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	530.17	35.81
<i>For Work In Restricted Working Space, Add</i>	26.85	
<i>For Elevated Installation >10' To 15', Add</i>	8.95	
<i>For Elevated Installation >15' To 20', Add</i>	17.90	
<i>For Elevated Installation >20' To 25', Add</i>	22.38	
<i>For Elevated Installation >25' To 30', Add</i>	31.33	
<i>For Elevated Installation >30' To 35', Add</i>	35.80	
<i>For Elevated Installation >35' To 40', Add</i>	44.76	
<i>For Elevated Installation >40', Add</i>	49.23	
26 05 33 13-0403 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	605.70	44.76
<i>For Work In Restricted Working Space, Add</i>	33.56	
<i>For Elevated Installation >10' To 15', Add</i>	11.19	
<i>For Elevated Installation >15' To 20', Add</i>	22.38	
<i>For Elevated Installation >20' To 25', Add</i>	27.97	
<i>For Elevated Installation >25' To 30', Add</i>	39.16	
<i>For Elevated Installation >30' To 35', Add</i>	44.75	
<i>For Elevated Installation >35' To 40', Add</i>	55.94	
<i>For Elevated Installation >40', Add</i>	61.53	
26 05 33 13-0404 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	920.51	53.70
<i>For Work In Restricted Working Space, Add</i>	40.28	
<i>For Elevated Installation >10' To 15', Add</i>	13.43	
<i>For Elevated Installation >15' To 20', Add</i>	26.86	
<i>For Elevated Installation >20' To 25', Add</i>	33.57	
<i>For Elevated Installation >25' To 30', Add</i>	47.00	
<i>For Elevated Installation >30' To 35', Add</i>	53.71	
<i>For Elevated Installation >35' To 40', Add</i>	67.14	
<i>For Elevated Installation >40', Add</i>	73.85	
26 05 33 13-0405 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	996.56	58.18
<i>For Work In Restricted Working Space, Add</i>	43.63	
<i>For Elevated Installation >10' To 15', Add</i>	14.54	
<i>For Elevated Installation >15' To 20', Add</i>	29.09	
<i>For Elevated Installation >20' To 25', Add</i>	36.36	
<i>For Elevated Installation >25' To 30', Add</i>	50.90	
<i>For Elevated Installation >30' To 35', Add</i>	58.18	
<i>For Elevated Installation >35' To 40', Add</i>	72.72	
<i>For Elevated Installation >40', Add</i>	79.99	
26 05 33 13-0406 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,385.45	71.61
<i>For Work In Restricted Working Space, Add</i>	53.71	
<i>For Elevated Installation >10' To 15', Add</i>	17.90	
<i>For Elevated Installation >15' To 20', Add</i>	35.80	
<i>For Elevated Installation >20' To 25', Add</i>	44.76	
<i>For Elevated Installation >25' To 30', Add</i>	62.66	
<i>For Elevated Installation >30' To 35', Add</i>	71.61	
<i>For Elevated Installation >35' To 40', Add</i>	89.51	
<i>For Elevated Installation >40', Add</i>	98.46	
26 05 33 13-0407 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,706.36	79.44
<i>For Work In Restricted Working Space, Add</i>	59.61	
<i>For Elevated Installation >10' To 15', Add</i>	19.87	
<i>For Elevated Installation >15' To 20', Add</i>	39.74	
<i>For Elevated Installation >20' To 25', Add</i>	49.68	
<i>For Elevated Installation >25' To 30', Add</i>	69.55	
<i>For Elevated Installation >30' To 35', Add</i>	79.48	
<i>For Elevated Installation >35' To 40', Add</i>	99.36	
<i>For Elevated Installation >40', Add</i>	109.29	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0060)
 Note: Type EX

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	121.12	17.90
			<i>For Work In Restricted Working Space, Add</i>	13.43	
			<i>For Elevated Installation >10' To 15', Add</i>	4.48	
			<i>For Elevated Installation >15' To 20', Add</i>	8.95	
			<i>For Elevated Installation >20' To 25', Add</i>	11.19	
			<i>For Elevated Installation >25' To 30', Add</i>	15.67	
			<i>For Elevated Installation >30' To 35', Add</i>	17.90	
			<i>For Elevated Installation >35' To 40', Add</i>	22.38	
			<i>For Elevated Installation >40', Add</i>	24.62	
26 05 33	13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	151.30	20.14
			<i>For Work In Restricted Working Space, Add</i>	15.11	
			<i>For Elevated Installation >10' To 15', Add</i>	5.04	
			<i>For Elevated Installation >15' To 20', Add</i>	10.07	
			<i>For Elevated Installation >20' To 25', Add</i>	12.59	
			<i>For Elevated Installation >25' To 30', Add</i>	17.62	
			<i>For Elevated Installation >30' To 35', Add</i>	20.14	
			<i>For Elevated Installation >35' To 40', Add</i>	25.18	
			<i>For Elevated Installation >40', Add</i>	27.69	
26 05 33	13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	186.62	22.37
			<i>For Work In Restricted Working Space, Add</i>	16.79	
			<i>For Elevated Installation >10' To 15', Add</i>	5.60	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.98	
			<i>For Elevated Installation >40', Add</i>	30.77	
26 05 33	13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	225.35	24.61
			<i>For Work In Restricted Working Space, Add</i>	18.46	
			<i>For Elevated Installation >10' To 15', Add</i>	6.15	
			<i>For Elevated Installation >15' To 20', Add</i>	12.31	
			<i>For Elevated Installation >20' To 25', Add</i>	15.39	
			<i>For Elevated Installation >25' To 30', Add</i>	21.54	
			<i>For Elevated Installation >30' To 35', Add</i>	24.62	
			<i>For Elevated Installation >35' To 40', Add</i>	30.77	
			<i>For Elevated Installation >40', Add</i>	33.85	
26 05 33	13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	299.74	26.85
			<i>For Work In Restricted Working Space, Add</i>	20.14	
			<i>For Elevated Installation >10' To 15', Add</i>	6.71	
			<i>For Elevated Installation >15' To 20', Add</i>	13.43	
			<i>For Elevated Installation >20' To 25', Add</i>	16.78	
			<i>For Elevated Installation >25' To 30', Add</i>	23.50	
			<i>For Elevated Installation >30' To 35', Add</i>	26.85	
			<i>For Elevated Installation >35' To 40', Add</i>	33.57	
			<i>For Elevated Installation >40', Add</i>	36.92	
26 05 33	13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	408.14	29.09
			<i>For Work In Restricted Working Space, Add</i>	21.81	
			<i>For Elevated Installation >10' To 15', Add</i>	7.27	
			<i>For Elevated Installation >15' To 20', Add</i>	14.54	
			<i>For Elevated Installation >20' To 25', Add</i>	18.18	
			<i>For Elevated Installation >25' To 30', Add</i>	25.45	
			<i>For Elevated Installation >30' To 35', Add</i>	29.08	
			<i>For Elevated Installation >35' To 40', Add</i>	36.36	
			<i>For Elevated Installation >40', Add</i>	39.99	
26 05 33	13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	628.48	35.81
			<i>For Work In Restricted Working Space, Add</i>	26.85	
			<i>For Elevated Installation >10' To 15', Add</i>	8.95	
			<i>For Elevated Installation >15' To 20', Add</i>	17.90	
			<i>For Elevated Installation >20' To 25', Add</i>	22.38	
			<i>For Elevated Installation >25' To 30', Add</i>	31.33	
			<i>For Elevated Installation >30' To 35', Add</i>	35.80	
			<i>For Elevated Installation >35' To 40', Add</i>	44.76	
			<i>For Elevated Installation >40', Add</i>	49.23	
26 05 33	13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	845.07	44.76
			<i>For Work In Restricted Working Space, Add</i>	33.56	
			<i>For Elevated Installation >10' To 15', Add</i>	11.19	
			<i>For Elevated Installation >15' To 20', Add</i>	22.38	
			<i>For Elevated Installation >20' To 25', Add</i>	27.97	
			<i>For Elevated Installation >25' To 30', Add</i>	39.16	
			<i>For Elevated Installation >30' To 35', Add</i>	44.75	
			<i>For Elevated Installation >35' To 40', Add</i>	55.94	
			<i>For Elevated Installation >40', Add</i>	61.53	
26 05 33	13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,260.98	53.70
			<i>For Work In Restricted Working Space, Add</i>	40.28	
			<i>For Elevated Installation >10' To 15', Add</i>	13.43	
			<i>For Elevated Installation >15' To 20', Add</i>	26.86	
			<i>For Elevated Installation >20' To 25', Add</i>	33.57	
			<i>For Elevated Installation >25' To 30', Add</i>	47.00	
			<i>For Elevated Installation >30' To 35', Add</i>	53.71	
			<i>For Elevated Installation >35' To 40', Add</i>	67.14	
			<i>For Elevated Installation >40', Add</i>	73.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,306.67	58.18
<i>For Work In Restricted Working Space, Add</i>	43.63	
<i>For Elevated Installation >10' To 15', Add</i>	14.54	
<i>For Elevated Installation >15' To 20', Add</i>	29.09	
<i>For Elevated Installation >20' To 25', Add</i>	36.36	
<i>For Elevated Installation >25' To 30', Add</i>	50.90	
<i>For Elevated Installation >30' To 35', Add</i>	58.18	
<i>For Elevated Installation >35' To 40', Add</i>	72.72	
<i>For Elevated Installation >40', Add</i>	79.99	
26 05 33 13-0419 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,957.10	71.61
<i>For Work In Restricted Working Space, Add</i>	53.71	
<i>For Elevated Installation >10' To 15', Add</i>	17.90	
<i>For Elevated Installation >15' To 20', Add</i>	35.80	
<i>For Elevated Installation >20' To 25', Add</i>	44.76	
<i>For Elevated Installation >25' To 30', Add</i>	62.66	
<i>For Elevated Installation >30' To 35', Add</i>	71.61	
<i>For Elevated Installation >35' To 40', Add</i>	89.51	
<i>For Elevated Installation >40', Add</i>	98.46	
26 05 33 13-0420 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,420.74	79.44
<i>For Work In Restricted Working Space, Add</i>	59.61	
<i>For Elevated Installation >10' To 15', Add</i>	19.87	
<i>For Elevated Installation >15' To 20', Add</i>	39.74	
<i>For Elevated Installation >20' To 25', Add</i>	49.68	
<i>For Elevated Installation >25' To 30', Add</i>	69.55	
<i>For Elevated Installation >30' To 35', Add</i>	79.48	
<i>For Elevated Installation >35' To 40', Add</i>	99.36	
<i>For Elevated Installation >40', Add</i>	109.29	
26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings		
(26 05 33 13-0060) Note: Type DX		
26 05 33 13-0422 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	202.72	17.90
<i>For Work In Restricted Working Space, Add</i>	13.43	
<i>For Elevated Installation >10' To 15', Add</i>	4.48	
<i>For Elevated Installation >15' To 20', Add</i>	8.95	
<i>For Elevated Installation >20' To 25', Add</i>	11.19	
<i>For Elevated Installation >25' To 30', Add</i>	15.67	
<i>For Elevated Installation >30' To 35', Add</i>	17.90	
<i>For Elevated Installation >35' To 40', Add</i>	22.38	
<i>For Elevated Installation >40', Add</i>	24.62	
26 05 33 13-0423 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	240.79	20.14
<i>For Work In Restricted Working Space, Add</i>	15.11	
<i>For Elevated Installation >10' To 15', Add</i>	5.04	
<i>For Elevated Installation >15' To 20', Add</i>	10.07	
<i>For Elevated Installation >20' To 25', Add</i>	12.59	
<i>For Elevated Installation >25' To 30', Add</i>	17.62	
<i>For Elevated Installation >30' To 35', Add</i>	20.14	
<i>For Elevated Installation >35' To 40', Add</i>	25.18	
<i>For Elevated Installation >40', Add</i>	27.69	
26 05 33 13-0424 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	289.89	22.37
<i>For Work In Restricted Working Space, Add</i>	16.79	
<i>For Elevated Installation >10' To 15', Add</i>	5.60	
<i>For Elevated Installation >15' To 20', Add</i>	11.19	
<i>For Elevated Installation >20' To 25', Add</i>	13.99	
<i>For Elevated Installation >25' To 30', Add</i>	19.58	
<i>For Elevated Installation >30' To 35', Add</i>	22.38	
<i>For Elevated Installation >35' To 40', Add</i>	27.98	
<i>For Elevated Installation >40', Add</i>	30.77	
26 05 33 13-0425 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	339.78	24.61
<i>For Work In Restricted Working Space, Add</i>	18.46	
<i>For Elevated Installation >10' To 15', Add</i>	6.15	
<i>For Elevated Installation >15' To 20', Add</i>	12.31	
<i>For Elevated Installation >20' To 25', Add</i>	15.39	
<i>For Elevated Installation >25' To 30', Add</i>	21.54	
<i>For Elevated Installation >30' To 35', Add</i>	24.62	
<i>For Elevated Installation >35' To 40', Add</i>	30.77	
<i>For Elevated Installation >40', Add</i>	33.85	
26 05 33 13-0426 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	375.52	26.85
<i>For Work In Restricted Working Space, Add</i>	20.14	
<i>For Elevated Installation >10' To 15', Add</i>	6.71	
<i>For Elevated Installation >15' To 20', Add</i>	13.43	
<i>For Elevated Installation >20' To 25', Add</i>	16.78	
<i>For Elevated Installation >25' To 30', Add</i>	23.50	
<i>For Elevated Installation >30' To 35', Add</i>	26.85	
<i>For Elevated Installation >35' To 40', Add</i>	33.57	
<i>For Elevated Installation >40', Add</i>	36.92	
26 05 33 13-0427 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	461.65	29.09
<i>For Work In Restricted Working Space, Add</i>	21.81	
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.08	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	39.99	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	608.61	35.81
			<i>For Work In Restricted Working Space, Add</i>	26.85	
			<i>For Elevated Installation >10' To 15', Add</i>	8.95	
			<i>For Elevated Installation >15' To 20', Add</i>	17.90	
			<i>For Elevated Installation >20' To 25', Add</i>	22.38	
			<i>For Elevated Installation >25' To 30', Add</i>	31.33	
			<i>For Elevated Installation >30' To 35', Add</i>	35.80	
			<i>For Elevated Installation >35' To 40', Add</i>	44.76	
			<i>For Elevated Installation >40', Add</i>	49.23	
26 05 33	13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	771.44	44.76
			<i>For Work In Restricted Working Space, Add</i>	33.56	
			<i>For Elevated Installation >10' To 15', Add</i>	11.19	
			<i>For Elevated Installation >15' To 20', Add</i>	22.38	
			<i>For Elevated Installation >20' To 25', Add</i>	27.97	
			<i>For Elevated Installation >25' To 30', Add</i>	39.16	
			<i>For Elevated Installation >30' To 35', Add</i>	44.75	
			<i>For Elevated Installation >35' To 40', Add</i>	55.94	
			<i>For Elevated Installation >40', Add</i>	61.53	
26 05 33	13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	870.04	53.70
			<i>For Work In Restricted Working Space, Add</i>	40.28	
			<i>For Elevated Installation >10' To 15', Add</i>	13.43	
			<i>For Elevated Installation >15' To 20', Add</i>	26.86	
			<i>For Elevated Installation >20' To 25', Add</i>	33.57	
			<i>For Elevated Installation >25' To 30', Add</i>	47.00	
			<i>For Elevated Installation >30' To 35', Add</i>	53.71	
			<i>For Elevated Installation >35' To 40', Add</i>	67.14	
			<i>For Elevated Installation >40', Add</i>	73.85	
26 05 33	13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,050.87	58.18
			<i>For Work In Restricted Working Space, Add</i>	43.63	
			<i>For Elevated Installation >10' To 15', Add</i>	14.54	
			<i>For Elevated Installation >15' To 20', Add</i>	29.09	
			<i>For Elevated Installation >20' To 25', Add</i>	36.36	
			<i>For Elevated Installation >25' To 30', Add</i>	50.90	
			<i>For Elevated Installation >30' To 35', Add</i>	58.18	
			<i>For Elevated Installation >35' To 40', Add</i>	72.72	
			<i>For Elevated Installation >40', Add</i>	79.99	
26 05 33	13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,780.71	71.61
			<i>For Work In Restricted Working Space, Add</i>	53.71	
			<i>For Elevated Installation >10' To 15', Add</i>	17.90	
			<i>For Elevated Installation >15' To 20', Add</i>	35.80	
			<i>For Elevated Installation >20' To 25', Add</i>	44.76	
			<i>For Elevated Installation >25' To 30', Add</i>	62.66	
			<i>For Elevated Installation >30' To 35', Add</i>	71.61	
			<i>For Elevated Installation >35' To 40', Add</i>	89.51	
			<i>For Elevated Installation >40', Add</i>	98.46	
26 05 33	13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,810.83	79.44
			<i>For Work In Restricted Working Space, Add</i>	59.61	
			<i>For Elevated Installation >10' To 15', Add</i>	19.87	
			<i>For Elevated Installation >15' To 20', Add</i>	39.74	
			<i>For Elevated Installation >20' To 25', Add</i>	49.68	
			<i>For Elevated Installation >25' To 30', Add</i>	69.55	
			<i>For Elevated Installation >30' To 35', Add</i>	79.48	
			<i>For Elevated Installation >35' To 40', Add</i>	99.36	
			<i>For Elevated Installation >40', Add</i>	109.29	
26 05 33	13-0434		Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0060)</small>		
26 05 33	13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	54.95	8.95
			<i>For Work In Restricted Working Space, Add</i>	6.71	
			<i>For Elevated Installation >10' To 15', Add</i>	2.24	
			<i>For Elevated Installation >15' To 20', Add</i>	4.48	
			<i>For Elevated Installation >20' To 25', Add</i>	5.60	
			<i>For Elevated Installation >25' To 30', Add</i>	7.83	
			<i>For Elevated Installation >30' To 35', Add</i>	8.95	
			<i>For Elevated Installation >35' To 40', Add</i>	11.19	
			<i>For Elevated Installation >40', Add</i>	12.31	
26 05 33	13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	63.84	11.19
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.60	
			<i>For Elevated Installation >20' To 25', Add</i>	7.00	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.39	
26 05 33	13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	78.48	13.43
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Elevated Installation >10' To 15', Add</i>	3.36	
			<i>For Elevated Installation >15' To 20', Add</i>	6.71	
			<i>For Elevated Installation >20' To 25', Add</i>	8.39	
			<i>For Elevated Installation >25' To 30', Add</i>	11.75	
			<i>For Elevated Installation >30' To 35', Add</i>	13.43	
			<i>For Elevated Installation >35' To 40', Add</i>	16.79	
			<i>For Elevated Installation >40', Add</i>	18.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper	109.65	17.90
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.95	
For Elevated Installation >20' To 25', Add	11.19	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.90	
For Elevated Installation >35' To 40', Add	22.38	
For Elevated Installation >40', Add	24.62	
26 05 33 13-0439 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	165.95	26.85
For Work In Restricted Working Space, Add	20.14	
For Elevated Installation >10' To 15', Add	6.71	
For Elevated Installation >15' To 20', Add	13.43	
For Elevated Installation >20' To 25', Add	16.78	
For Elevated Installation >25' To 30', Add	23.50	
For Elevated Installation >30' To 35', Add	26.85	
For Elevated Installation >35' To 40', Add	33.57	
For Elevated Installation >40', Add	36.92	
26 05 33 13-0440 EA 5" To 6" Conduit, 14" Bonding Jumper	277.27	35.81
For Work In Restricted Working Space, Add	26.85	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.90	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.33	
For Elevated Installation >30' To 35', Add	35.80	
For Elevated Installation >35' To 40', Add	44.76	
For Elevated Installation >40', Add	49.23	
26 05 33 13-0441 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper	60.52	8.95
For Work In Restricted Working Space, Add	6.71	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.48	
For Elevated Installation >20' To 25', Add	5.60	
For Elevated Installation >25' To 30', Add	7.83	
For Elevated Installation >30' To 35', Add	8.95	
For Elevated Installation >35' To 40', Add	11.19	
For Elevated Installation >40', Add	12.31	
26 05 33 13-0442 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper	70.89	11.19
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
26 05 33 13-0443 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper	84.93	13.43
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.75	
For Elevated Installation >30' To 35', Add	13.43	
For Elevated Installation >35' To 40', Add	16.79	
For Elevated Installation >40', Add	18.46	
26 05 33 13-0444 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper	118.22	17.90
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.95	
For Elevated Installation >20' To 25', Add	11.19	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.90	
For Elevated Installation >35' To 40', Add	22.38	
For Elevated Installation >40', Add	24.62	
26 05 33 13-0445 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	177.32	26.85
For Work In Restricted Working Space, Add	20.14	
For Elevated Installation >10' To 15', Add	6.71	
For Elevated Installation >15' To 20', Add	13.43	
For Elevated Installation >20' To 25', Add	16.78	
For Elevated Installation >25' To 30', Add	23.50	
For Elevated Installation >30' To 35', Add	26.85	
For Elevated Installation >35' To 40', Add	33.57	
For Elevated Installation >40', Add	36.92	
26 05 33 13-0446 EA 5" To 6" Conduit, 24" Bonding Jumper	313.94	35.81
For Work In Restricted Working Space, Add	26.85	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.90	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.33	
For Elevated Installation >30' To 35', Add	35.80	
For Elevated Installation >35' To 40', Add	44.76	
For Elevated Installation >40', Add	49.23	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0060)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	100.76	27.98
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	119.77	33.57
			<i>For Work In Restricted Working Space, Add</i>	20.14	
			<i>For Elevated Installation >10' To 15', Add</i>	6.71	
			<i>For Elevated Installation >15' To 20', Add</i>	13.43	
			<i>For Elevated Installation >20' To 25', Add</i>	16.78	
			<i>For Elevated Installation >25' To 30', Add</i>	23.50	
			<i>For Elevated Installation >30' To 35', Add</i>	26.85	
			<i>For Elevated Installation >35' To 40', Add</i>	33.57	
			<i>For Elevated Installation >40', Add</i>	36.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.14	
26 05 33	13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	145.98	39.16
			<i>For Work In Restricted Working Space, Add</i>	23.50	
			<i>For Elevated Installation >10' To 15', Add</i>	7.83	
			<i>For Elevated Installation >15' To 20', Add</i>	15.66	
			<i>For Elevated Installation >20' To 25', Add</i>	19.58	
			<i>For Elevated Installation >25' To 30', Add</i>	27.41	
			<i>For Elevated Installation >30' To 35', Add</i>	31.33	
			<i>For Elevated Installation >35' To 40', Add</i>	39.16	
			<i>For Elevated Installation >40', Add</i>	43.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.50	
26 05 33	13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	171.67	44.76
			<i>For Work In Restricted Working Space, Add</i>	26.85	
			<i>For Elevated Installation >10' To 15', Add</i>	8.95	
			<i>For Elevated Installation >15' To 20', Add</i>	17.90	
			<i>For Elevated Installation >20' To 25', Add</i>	22.38	
			<i>For Elevated Installation >25' To 30', Add</i>	31.33	
			<i>For Elevated Installation >30' To 35', Add</i>	35.80	
			<i>For Elevated Installation >35' To 40', Add</i>	44.76	
			<i>For Elevated Installation >40', Add</i>	49.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.85	
26 05 33	13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	224.39	50.35
			<i>For Work In Restricted Working Space, Add</i>	30.21	
			<i>For Elevated Installation >10' To 15', Add</i>	10.07	
			<i>For Elevated Installation >15' To 20', Add</i>	20.14	
			<i>For Elevated Installation >20' To 25', Add</i>	25.18	
			<i>For Elevated Installation >25' To 30', Add</i>	35.25	
			<i>For Elevated Installation >30' To 35', Add</i>	40.28	
			<i>For Elevated Installation >35' To 40', Add</i>	50.35	
			<i>For Elevated Installation >40', Add</i>	55.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.21	
26 05 33	13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	272.14	55.94
			<i>For Work In Restricted Working Space, Add</i>	33.56	
			<i>For Elevated Installation >10' To 15', Add</i>	11.19	
			<i>For Elevated Installation >15' To 20', Add</i>	22.38	
			<i>For Elevated Installation >20' To 25', Add</i>	27.97	
			<i>For Elevated Installation >25' To 30', Add</i>	39.16	
			<i>For Elevated Installation >30' To 35', Add</i>	44.75	
			<i>For Elevated Installation >35' To 40', Add</i>	55.94	
			<i>For Elevated Installation >40', Add</i>	61.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.56	
26 05 33	13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal.....	383.27	67.13
			<i>For Work In Restricted Working Space, Add</i>	40.28	
			<i>For Elevated Installation >10' To 15', Add</i>	13.43	
			<i>For Elevated Installation >15' To 20', Add</i>	26.85	
			<i>For Elevated Installation >20' To 25', Add</i>	33.57	
			<i>For Elevated Installation >25' To 30', Add</i>	46.99	
			<i>For Elevated Installation >30' To 35', Add</i>	53.71	
			<i>For Elevated Installation >35' To 40', Add</i>	67.14	
			<i>For Elevated Installation >40', Add</i>	73.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.28	
26 05 33	13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	460.80	78.32
			<i>For Work In Restricted Working Space, Add</i>	46.99	
			<i>For Elevated Installation >10' To 15', Add</i>	15.66	
			<i>For Elevated Installation >15' To 20', Add</i>	31.33	
			<i>For Elevated Installation >20' To 25', Add</i>	39.16	
			<i>For Elevated Installation >25' To 30', Add</i>	54.82	
			<i>For Elevated Installation >30' To 35', Add</i>	62.66	
			<i>For Elevated Installation >35' To 40', Add</i>	78.32	
			<i>For Elevated Installation >40', Add</i>	86.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,056.23	89.51
For Work In Restricted Working Space, Add	53.71	
For Elevated Installation >10' To 15', Add	17.90	
For Elevated Installation >15' To 20', Add	35.80	
For Elevated Installation >20' To 25', Add	44.76	
For Elevated Installation >25' To 30', Add	62.66	
For Elevated Installation >30' To 35', Add	71.61	
For Elevated Installation >35' To 40', Add	89.51	
For Elevated Installation >40', Add	98.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.71	
26 05 33 13-0457 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,216.64	100.70
For Work In Restricted Working Space, Add	60.42	
For Elevated Installation >10' To 15', Add	20.14	
For Elevated Installation >15' To 20', Add	40.28	
For Elevated Installation >20' To 25', Add	50.35	
For Elevated Installation >25' To 30', Add	70.49	
For Elevated Installation >30' To 35', Add	80.56	
For Elevated Installation >35' To 40', Add	100.70	
For Elevated Installation >40', Add	110.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.42	
26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0060)		
26 05 33 13-0459 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	14.82	6.72
For Work In Restricted Working Space, Add	4.03	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.72	
For Elevated Installation >40', Add	7.39	
26 05 33 13-0460 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	20.75	9.51
For Work In Restricted Working Space, Add	5.71	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.76	
For Elevated Installation >25' To 30', Add	6.66	
For Elevated Installation >30' To 35', Add	7.61	
For Elevated Installation >35' To 40', Add	9.51	
For Elevated Installation >40', Add	10.46	
26 05 33 13-0461 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	27.26	12.31
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
26 05 33 13-0462 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	31.32	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
26 05 33 13-0463 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	37.75	16.78
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.75	
For Elevated Installation >30' To 35', Add	13.43	
For Elevated Installation >35' To 40', Add	16.79	
For Elevated Installation >40', Add	18.46	
26 05 33 13-0464 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	44.27	19.02
For Work In Restricted Working Space, Add	11.41	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
26 05 33 13-0465 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	56.51	21.26
For Work In Restricted Working Space, Add	12.76	
For Elevated Installation >10' To 15', Add	4.25	
For Elevated Installation >15' To 20', Add	8.50	
For Elevated Installation >20' To 25', Add	10.63	
For Elevated Installation >25' To 30', Add	14.88	
For Elevated Installation >30' To 35', Add	17.01	
For Elevated Installation >35' To 40', Add	21.26	
For Elevated Installation >40', Add	23.39	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	66.30	24.05
			<i>For Work In Restricted Working Space, Add</i>	14.43	
			<i>For Elevated Installation >10' To 15', Add</i>	4.81	
			<i>For Elevated Installation >15' To 20', Add</i>	9.62	
			<i>For Elevated Installation >20' To 25', Add</i>	12.03	
			<i>For Elevated Installation >25' To 30', Add</i>	16.84	
			<i>For Elevated Installation >30' To 35', Add</i>	19.24	
			<i>For Elevated Installation >35' To 40', Add</i>	24.06	
			<i>For Elevated Installation >40', Add</i>	26.46	
26 05 33	13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	77.17	26.29
			<i>For Work In Restricted Working Space, Add</i>	15.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.26	
			<i>For Elevated Installation >15' To 20', Add</i>	10.52	
			<i>For Elevated Installation >20' To 25', Add</i>	13.15	
			<i>For Elevated Installation >25' To 30', Add</i>	18.41	
			<i>For Elevated Installation >30' To 35', Add</i>	21.04	
			<i>For Elevated Installation >35' To 40', Add</i>	26.30	
			<i>For Elevated Installation >40', Add</i>	28.92	
26 05 33	13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	81.54	27.98
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0060)					
26 05 33	13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.46	1.11
26 05 33	13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.76	1.68
26 05 33	13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.92	2.80
26 05 33	13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.47	3.91
26 05 33	13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	13.75	4.48
26 05 33	13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	16.19	5.04
26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0060)					
26 05 33	13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	212.53	13.58
			<i>For Work In Restricted Working Space, Add</i>	10.19	
			<i>For Elevated Installation >10' To 15', Add</i>	3.40	
			<i>For Elevated Installation >15' To 20', Add</i>	6.79	
			<i>For Elevated Installation >20' To 25', Add</i>	8.49	
			<i>For Elevated Installation >25' To 30', Add</i>	11.88	
			<i>For Elevated Installation >30' To 35', Add</i>	13.58	
			<i>For Elevated Installation >35' To 40', Add</i>	16.98	
			<i>For Elevated Installation >40', Add</i>	18.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.19	
26 05 33	13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	215.80	14.88
			<i>For Work In Restricted Working Space, Add</i>	11.17	
			<i>For Elevated Installation >10' To 15', Add</i>	3.72	
			<i>For Elevated Installation >15' To 20', Add</i>	7.44	
			<i>For Elevated Installation >20' To 25', Add</i>	9.31	
			<i>For Elevated Installation >25' To 30', Add</i>	13.03	
			<i>For Elevated Installation >30' To 35', Add</i>	14.89	
			<i>For Elevated Installation >35' To 40', Add</i>	18.61	
			<i>For Elevated Installation >40', Add</i>	20.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 05 33	13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	259.31	16.33
			<i>For Work In Restricted Working Space, Add</i>	12.23	
			<i>For Elevated Installation >10' To 15', Add</i>	4.08	
			<i>For Elevated Installation >15' To 20', Add</i>	8.15	
			<i>For Elevated Installation >20' To 25', Add</i>	10.19	
			<i>For Elevated Installation >25' To 30', Add</i>	14.27	
			<i>For Elevated Installation >30' To 35', Add</i>	16.30	
			<i>For Elevated Installation >35' To 40', Add</i>	20.38	
			<i>For Elevated Installation >40', Add</i>	22.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33	13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	284.67	17.90
			<i>For Work In Restricted Working Space, Add</i>	13.44	
			<i>For Elevated Installation >10' To 15', Add</i>	4.48	
			<i>For Elevated Installation >15' To 20', Add</i>	8.96	
			<i>For Elevated Installation >20' To 25', Add</i>	11.20	
			<i>For Elevated Installation >25' To 30', Add</i>	15.68	
			<i>For Elevated Installation >30' To 35', Add</i>	17.92	
			<i>For Elevated Installation >35' To 40', Add</i>	22.40	
			<i>For Elevated Installation >40', Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	324.88	20.14
For Work In Restricted Working Space, Add	15.11	
For Elevated Installation >10' To 15', Add	5.04	
For Elevated Installation >15' To 20', Add	10.07	
For Elevated Installation >20' To 25', Add	12.59	
For Elevated Installation >25' To 30', Add	17.62	
For Elevated Installation >30' To 35', Add	20.14	
For Elevated Installation >35' To 40', Add	25.18	
For Elevated Installation >40', Add	27.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.11	
26 05 33 13-0482 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	482.42	22.37
For Work In Restricted Working Space, Add	16.79	
For Elevated Installation >10' To 15', Add	5.60	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.59	
For Elevated Installation >30' To 35', Add	22.39	
For Elevated Installation >35' To 40', Add	27.99	
For Elevated Installation >40', Add	30.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.79	
26 05 33 13-0483 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	554.38	29.87
For Work In Restricted Working Space, Add	22.39	
For Elevated Installation >10' To 15', Add	7.46	
For Elevated Installation >15' To 20', Add	14.93	
For Elevated Installation >20' To 25', Add	18.66	
For Elevated Installation >25' To 30', Add	26.12	
For Elevated Installation >30' To 35', Add	29.85	
For Elevated Installation >35' To 40', Add	37.32	
For Elevated Installation >40', Add	41.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.39	
26 05 33 13-0484 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	615.07	32.78
For Work In Restricted Working Space, Add	24.60	
For Elevated Installation >10' To 15', Add	8.20	
For Elevated Installation >15' To 20', Add	16.40	
For Elevated Installation >20' To 25', Add	20.50	
For Elevated Installation >25' To 30', Add	28.70	
For Elevated Installation >30' To 35', Add	32.80	
For Elevated Installation >35' To 40', Add	41.01	
For Elevated Installation >40', Add	45.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.60	
26 05 33 13-0485 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	715.88	35.81
For Work In Restricted Working Space, Add	26.86	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.91	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.34	
For Elevated Installation >30' To 35', Add	35.81	
For Elevated Installation >35' To 40', Add	44.77	
For Elevated Installation >40', Add	49.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.86	
26 05 33 13-0486 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	807.00	40.28
For Work In Restricted Working Space, Add	30.21	
For Elevated Installation >10' To 15', Add	10.07	
For Elevated Installation >15' To 20', Add	20.14	
For Elevated Installation >20' To 25', Add	25.18	
For Elevated Installation >25' To 30', Add	35.25	
For Elevated Installation >30' To 35', Add	40.28	
For Elevated Installation >35' To 40', Add	50.35	
For Elevated Installation >40', Add	55.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.21	
26 05 33 13-0487 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,084.72	44.76
For Work In Restricted Working Space, Add	33.56	
For Elevated Installation >10' To 15', Add	11.19	
For Elevated Installation >15' To 20', Add	22.38	
For Elevated Installation >20' To 25', Add	27.97	
For Elevated Installation >25' To 30', Add	39.16	
For Elevated Installation >30' To 35', Add	44.75	
For Elevated Installation >35' To 40', Add	55.94	
For Elevated Installation >40', Add	61.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.56	
26 05 33 13-0488 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,350.24	49.68
For Work In Restricted Working Space, Add	37.26	
For Elevated Installation >10' To 15', Add	12.42	
For Elevated Installation >15' To 20', Add	24.84	
For Elevated Installation >20' To 25', Add	31.05	
For Elevated Installation >25' To 30', Add	43.47	
For Elevated Installation >30' To 35', Add	49.68	
For Elevated Installation >35' To 40', Add	62.10	
For Elevated Installation >40', Add	68.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.26	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0060)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	18.30	8.67
		<i>For Work In Restricted Working Space, Add</i>	5.21	
		<i>For Elevated Installation >10' To 15', Add</i>	1.74	
		<i>For Elevated Installation >15' To 20', Add</i>	3.47	
		<i>For Elevated Installation >20' To 25', Add</i>	4.34	
		<i>For Elevated Installation >25' To 30', Add</i>	6.07	
		<i>For Elevated Installation >30' To 35', Add</i>	6.94	
		<i>For Elevated Installation >35' To 40', Add</i>	8.68	
		<i>For Elevated Installation >40', Add</i>	9.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.21	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	20.20	9.23
		<i>For Work In Restricted Working Space, Add</i>	5.54	
		<i>For Elevated Installation >10' To 15', Add</i>	1.85	
		<i>For Elevated Installation >15' To 20', Add</i>	3.69	
		<i>For Elevated Installation >20' To 25', Add</i>	4.62	
		<i>For Elevated Installation >25' To 30', Add</i>	6.46	
		<i>For Elevated Installation >30' To 35', Add</i>	7.38	
		<i>For Elevated Installation >35' To 40', Add</i>	9.23	
		<i>For Elevated Installation >40', Add</i>	10.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	20.76	9.51
		<i>For Work In Restricted Working Space, Add</i>	5.71	
		<i>For Elevated Installation >10' To 15', Add</i>	1.90	
		<i>For Elevated Installation >15' To 20', Add</i>	3.80	
		<i>For Elevated Installation >20' To 25', Add</i>	4.76	
		<i>For Elevated Installation >25' To 30', Add</i>	6.66	
		<i>For Elevated Installation >30' To 35', Add</i>	7.61	
		<i>For Elevated Installation >35' To 40', Add</i>	9.51	
		<i>For Elevated Installation >40', Add</i>	10.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.71	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	24.09	9.79
		<i>For Work In Restricted Working Space, Add</i>	5.87	
		<i>For Elevated Installation >10' To 15', Add</i>	1.96	
		<i>For Elevated Installation >15' To 20', Add</i>	3.92	
		<i>For Elevated Installation >20' To 25', Add</i>	4.90	
		<i>For Elevated Installation >25' To 30', Add</i>	6.85	
		<i>For Elevated Installation >30' To 35', Add</i>	7.83	
		<i>For Elevated Installation >35' To 40', Add</i>	9.79	
		<i>For Elevated Installation >40', Add</i>	10.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	24.65	10.07
		<i>For Work In Restricted Working Space, Add</i>	6.04	
		<i>For Elevated Installation >10' To 15', Add</i>	2.01	
		<i>For Elevated Installation >15' To 20', Add</i>	4.03	
		<i>For Elevated Installation >20' To 25', Add</i>	5.04	
		<i>For Elevated Installation >25' To 30', Add</i>	7.05	
		<i>For Elevated Installation >30' To 35', Add</i>	8.06	
		<i>For Elevated Installation >35' To 40', Add</i>	10.07	
		<i>For Elevated Installation >40', Add</i>	11.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	25.77	10.63
		<i>For Work In Restricted Working Space, Add</i>	6.38	
		<i>For Elevated Installation >10' To 15', Add</i>	2.13	
		<i>For Elevated Installation >15' To 20', Add</i>	4.25	
		<i>For Elevated Installation >20' To 25', Add</i>	5.32	
		<i>For Elevated Installation >25' To 30', Add</i>	7.44	
		<i>For Elevated Installation >30' To 35', Add</i>	8.50	
		<i>For Elevated Installation >35' To 40', Add</i>	10.63	
		<i>For Elevated Installation >40', Add</i>	11.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	27.83	11.19
		<i>For Work In Restricted Working Space, Add</i>	6.71	
		<i>For Elevated Installation >10' To 15', Add</i>	2.24	
		<i>For Elevated Installation >15' To 20', Add</i>	4.47	
		<i>For Elevated Installation >20' To 25', Add</i>	5.59	
		<i>For Elevated Installation >25' To 30', Add</i>	7.83	
		<i>For Elevated Installation >30' To 35', Add</i>	8.95	
		<i>For Elevated Installation >35' To 40', Add</i>	11.19	
		<i>For Elevated Installation >40', Add</i>	12.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	28.40	11.47
		<i>For Work In Restricted Working Space, Add</i>	6.88	
		<i>For Elevated Installation >10' To 15', Add</i>	2.29	
		<i>For Elevated Installation >15' To 20', Add</i>	4.59	
		<i>For Elevated Installation >20' To 25', Add</i>	5.74	
		<i>For Elevated Installation >25' To 30', Add</i>	8.03	
		<i>For Elevated Installation >30' To 35', Add</i>	9.18	
		<i>For Elevated Installation >35' To 40', Add</i>	11.47	
		<i>For Elevated Installation >40', Add</i>	12.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0498 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	29.51	12.03
For Work In Restricted Working Space, Add	7.22	
For Elevated Installation >10' To 15', Add	2.41	
For Elevated Installation >15' To 20', Add	4.81	
For Elevated Installation >20' To 25', Add	6.01	
For Elevated Installation >25' To 30', Add	8.42	
For Elevated Installation >30' To 35', Add	9.62	
For Elevated Installation >35' To 40', Add	12.03	
For Elevated Installation >40', Add	13.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 33 13-0499 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	30.63	12.59
For Work In Restricted Working Space, Add	7.55	
For Elevated Installation >10' To 15', Add	2.52	
For Elevated Installation >15' To 20', Add	5.03	
For Elevated Installation >20' To 25', Add	6.29	
For Elevated Installation >25' To 30', Add	8.81	
For Elevated Installation >30' To 35', Add	10.07	
For Elevated Installation >35' To 40', Add	12.59	
For Elevated Installation >40', Add	13.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-0500 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	37.16	12.59
For Work In Restricted Working Space, Add	7.55	
For Elevated Installation >10' To 15', Add	2.52	
For Elevated Installation >15' To 20', Add	5.03	
For Elevated Installation >20' To 25', Add	6.29	
For Elevated Installation >25' To 30', Add	8.81	
For Elevated Installation >30' To 35', Add	10.07	
For Elevated Installation >35' To 40', Add	12.59	
For Elevated Installation >40', Add	13.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-0501 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	37.73	12.87
For Work In Restricted Working Space, Add	7.72	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.15	
For Elevated Installation >20' To 25', Add	6.44	
For Elevated Installation >25' To 30', Add	9.01	
For Elevated Installation >30' To 35', Add	10.30	
For Elevated Installation >35' To 40', Add	12.87	
For Elevated Installation >40', Add	14.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.72	
26 05 33 13-0502 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	38.84	13.43
For Work In Restricted Working Space, Add	8.06	
For Elevated Installation >10' To 15', Add	2.69	
For Elevated Installation >15' To 20', Add	5.37	
For Elevated Installation >20' To 25', Add	6.71	
For Elevated Installation >25' To 30', Add	9.40	
For Elevated Installation >30' To 35', Add	10.74	
For Elevated Installation >35' To 40', Add	13.43	
For Elevated Installation >40', Add	14.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 33 13-0503 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	39.97	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0504 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	42.76	15.39
For Work In Restricted Working Space, Add	9.23	
For Elevated Installation >10' To 15', Add	3.08	
For Elevated Installation >15' To 20', Add	6.15	
For Elevated Installation >20' To 25', Add	7.69	
For Elevated Installation >25' To 30', Add	10.77	
For Elevated Installation >30' To 35', Add	12.31	
For Elevated Installation >35' To 40', Add	15.39	
For Elevated Installation >40', Add	16.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.23	
26 05 33 13-0505 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	54.14	18.18
For Work In Restricted Working Space, Add	10.91	
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.55	
For Elevated Installation >35' To 40', Add	18.19	
For Elevated Installation >40', Add	20.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0060)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.33	1.11
			<i>For Work In Restricted Working Space, Add</i>	0.67	
			<i>For Elevated Installation >10' To 15', Add</i>	0.22	
			<i>For Elevated Installation >15' To 20', Add</i>	0.45	
			<i>For Elevated Installation >20' To 25', Add</i>	0.56	
			<i>For Elevated Installation >25' To 30', Add</i>	0.78	
			<i>For Elevated Installation >30' To 35', Add</i>	0.90	
			<i>For Elevated Installation >35' To 40', Add</i>	1.12	
			<i>For Elevated Installation >40', Add</i>	1.23	
26 05 33	13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.47	1.68
			<i>For Work In Restricted Working Space, Add</i>	1.01	
			<i>For Elevated Installation >10' To 15', Add</i>	0.34	
			<i>For Elevated Installation >15' To 20', Add</i>	0.67	
			<i>For Elevated Installation >20' To 25', Add</i>	0.84	
			<i>For Elevated Installation >25' To 30', Add</i>	1.17	
			<i>For Elevated Installation >30' To 35', Add</i>	1.34	
			<i>For Elevated Installation >35' To 40', Add</i>	1.68	
			<i>For Elevated Installation >40', Add</i>	1.84	
26 05 33	13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	5.79	2.80
			<i>For Work In Restricted Working Space, Add</i>	1.68	
			<i>For Elevated Installation >10' To 15', Add</i>	0.56	
			<i>For Elevated Installation >15' To 20', Add</i>	1.12	
			<i>For Elevated Installation >20' To 25', Add</i>	1.40	
			<i>For Elevated Installation >25' To 30', Add</i>	1.96	
			<i>For Elevated Installation >30' To 35', Add</i>	2.24	
			<i>For Elevated Installation >35' To 40', Add</i>	2.80	
			<i>For Elevated Installation >40', Add</i>	3.07	
26 05 33	13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	8.16	3.91
			<i>For Work In Restricted Working Space, Add</i>	2.35	
			<i>For Elevated Installation >10' To 15', Add</i>	0.78	
			<i>For Elevated Installation >15' To 20', Add</i>	1.57	
			<i>For Elevated Installation >20' To 25', Add</i>	1.96	
			<i>For Elevated Installation >25' To 30', Add</i>	2.74	
			<i>For Elevated Installation >30' To 35', Add</i>	3.13	
			<i>For Elevated Installation >35' To 40', Add</i>	3.92	
			<i>For Elevated Installation >40', Add</i>	4.31	
26 05 33	13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	9.38	4.48
			<i>For Work In Restricted Working Space, Add</i>	2.69	
			<i>For Elevated Installation >10' To 15', Add</i>	0.90	
			<i>For Elevated Installation >15' To 20', Add</i>	1.79	
			<i>For Elevated Installation >20' To 25', Add</i>	2.24	
			<i>For Elevated Installation >25' To 30', Add</i>	3.13	
			<i>For Elevated Installation >30' To 35', Add</i>	3.58	
			<i>For Elevated Installation >35' To 40', Add</i>	4.48	
			<i>For Elevated Installation >40', Add</i>	4.92	
26 05 33	13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	10.60	5.04
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Elevated Installation >10' To 15', Add</i>	1.01	
			<i>For Elevated Installation >15' To 20', Add</i>	2.01	
			<i>For Elevated Installation >20' To 25', Add</i>	2.52	
			<i>For Elevated Installation >25' To 30', Add</i>	3.52	
			<i>For Elevated Installation >30' To 35', Add</i>	4.03	
			<i>For Elevated Installation >35' To 40', Add</i>	5.04	
			<i>For Elevated Installation >40', Add</i>	5.54	
26 05 33	13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	14.85	6.72
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.34	
			<i>For Elevated Installation >15' To 20', Add</i>	2.69	
			<i>For Elevated Installation >20' To 25', Add</i>	3.36	
			<i>For Elevated Installation >25' To 30', Add</i>	4.70	
			<i>For Elevated Installation >30' To 35', Add</i>	5.37	
			<i>For Elevated Installation >35' To 40', Add</i>	6.72	
			<i>For Elevated Installation >40', Add</i>	7.39	
26 05 33	13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	18.35	8.39
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.68	
			<i>For Elevated Installation >15' To 20', Add</i>	3.36	
			<i>For Elevated Installation >20' To 25', Add</i>	4.20	
			<i>For Elevated Installation >25' To 30', Add</i>	5.87	
			<i>For Elevated Installation >30' To 35', Add</i>	6.71	
			<i>For Elevated Installation >35' To 40', Add</i>	8.39	
			<i>For Elevated Installation >40', Add</i>	9.23	
26 05 33	13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	21.63	9.51
			<i>For Work In Restricted Working Space, Add</i>	5.71	
			<i>For Elevated Installation >10' To 15', Add</i>	1.90	
			<i>For Elevated Installation >15' To 20', Add</i>	3.80	
			<i>For Elevated Installation >20' To 25', Add</i>	4.76	
			<i>For Elevated Installation >25' To 30', Add</i>	6.66	
			<i>For Elevated Installation >30' To 35', Add</i>	7.61	
			<i>For Elevated Installation >35' To 40', Add</i>	9.51	
			<i>For Elevated Installation >40', Add</i>	10.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0516 EA 4" Rigid Galvanized Steel (RGS) Locknuts.....	24.26	10.63
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts (26 05 33 13-0060)		
26 05 33 13-0518 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.54	1.11
For Work In Restricted Working Space, Add	0.67	
For Elevated Installation >10' To 15', Add	0.22	
For Elevated Installation >15' To 20', Add	0.45	
For Elevated Installation >20' To 25', Add	0.56	
For Elevated Installation >25' To 30', Add	0.78	
For Elevated Installation >30' To 35', Add	0.90	
For Elevated Installation >35' To 40', Add	1.12	
For Elevated Installation >40', Add	1.23	
26 05 33 13-0519 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	4.91	1.68
For Work In Restricted Working Space, Add	1.01	
For Elevated Installation >10' To 15', Add	0.34	
For Elevated Installation >15' To 20', Add	0.67	
For Elevated Installation >20' To 25', Add	0.84	
For Elevated Installation >25' To 30', Add	1.17	
For Elevated Installation >30' To 35', Add	1.34	
For Elevated Installation >35' To 40', Add	1.68	
For Elevated Installation >40', Add	1.84	
26 05 33 13-0520 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	7.82	2.80
For Work In Restricted Working Space, Add	1.68	
For Elevated Installation >10' To 15', Add	0.56	
For Elevated Installation >15' To 20', Add	1.12	
For Elevated Installation >20' To 25', Add	1.40	
For Elevated Installation >25' To 30', Add	1.96	
For Elevated Installation >30' To 35', Add	2.24	
For Elevated Installation >35' To 40', Add	2.80	
For Elevated Installation >40', Add	3.07	
26 05 33 13-0521 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	10.94	3.91
For Work In Restricted Working Space, Add	2.35	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.57	
For Elevated Installation >20' To 25', Add	1.96	
For Elevated Installation >25' To 30', Add	2.74	
For Elevated Installation >30' To 35', Add	3.13	
For Elevated Installation >35' To 40', Add	3.92	
For Elevated Installation >40', Add	4.31	
26 05 33 13-0522 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	12.35	4.48
For Work In Restricted Working Space, Add	2.69	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.79	
For Elevated Installation >20' To 25', Add	2.24	
For Elevated Installation >25' To 30', Add	3.13	
For Elevated Installation >30' To 35', Add	3.58	
For Elevated Installation >35' To 40', Add	4.48	
For Elevated Installation >40', Add	4.92	
26 05 33 13-0523 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	14.50	5.04
For Work In Restricted Working Space, Add	3.02	
For Elevated Installation >10' To 15', Add	1.01	
For Elevated Installation >15' To 20', Add	2.01	
For Elevated Installation >20' To 25', Add	2.52	
For Elevated Installation >25' To 30', Add	3.52	
For Elevated Installation >30' To 35', Add	4.03	
For Elevated Installation >35' To 40', Add	5.04	
For Elevated Installation >40', Add	5.54	
26 05 33 13-0524 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	21.67	6.72
For Work In Restricted Working Space, Add	4.03	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.72	
For Elevated Installation >40', Add	7.39	
26 05 33 13-0525 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	27.24	8.39
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0526	EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	36.01 5.71 1.90 3.80 4.76 6.66 7.61 9.51 10.46	9.51
26 05 33 13-0527	EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	43.17 6.38 2.13 4.25 5.32 7.44 8.50 10.63 11.69	10.63
26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0060)</small>			
26 05 33 13-0529	EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	9.97 2.02 0.67 1.34 1.68 2.35 2.69 3.36 3.70	3.35
26 05 33 13-0530	EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	12.48 2.69 0.90 1.79 2.24 3.13 3.58 4.48 4.92	4.48
26 05 33 13-0531	EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	15.94 3.36 1.12 2.24 2.80 3.92 4.48 5.60 6.15	5.59
26 05 33 13-0532	EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	23.20 5.37 1.79 3.58 4.48 6.27 7.16 8.95 9.85	8.95
26 05 33 13-0533	EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	26.14 6.04 2.01 4.03 5.04 7.05 8.06 10.07 11.08	10.07
26 05 33 13-0534	EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	29.73 6.71 2.24 4.47 5.59 7.83 8.95 11.19 12.30	11.19
26 05 33 13-0535	EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	41.07 8.06 2.69 5.37 6.71 9.40 10.74 13.43 14.77	13.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0536 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	49.86	16.78
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.75	
For Elevated Installation >30' To 35', Add	13.43	
For Elevated Installation >35' To 40', Add	16.79	
For Elevated Installation >40', Add	18.46	
26 05 33 13-0537 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	61.59	22.37
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.95	
For Elevated Installation >20' To 25', Add	11.19	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.90	
For Elevated Installation >35' To 40', Add	22.38	
For Elevated Installation >40', Add	24.62	
26 05 33 13-0538 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	74.97	27.98
For Work In Restricted Working Space, Add	16.78	
For Elevated Installation >10' To 15', Add	5.59	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.58	
For Elevated Installation >30' To 35', Add	22.38	
For Elevated Installation >35' To 40', Add	27.97	
For Elevated Installation >40', Add	30.77	
26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0060)</small>		
26 05 33 13-0540 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	23.66	10.07
For Work In Restricted Working Space, Add	6.04	
For Elevated Installation >10' To 15', Add	2.01	
For Elevated Installation >15' To 20', Add	4.03	
For Elevated Installation >20' To 25', Add	5.04	
For Elevated Installation >25' To 30', Add	7.05	
For Elevated Installation >30' To 35', Add	8.06	
For Elevated Installation >35' To 40', Add	10.07	
For Elevated Installation >40', Add	11.08	
26 05 33 13-0541 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	28.03	11.19
For Work In Restricted Working Space, Add	6.71	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.47	
For Elevated Installation >20' To 25', Add	5.59	
For Elevated Installation >25' To 30', Add	7.83	
For Elevated Installation >30' To 35', Add	8.95	
For Elevated Installation >35' To 40', Add	11.19	
For Elevated Installation >40', Add	12.30	
26 05 33 13-0542 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	36.82	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
26 05 33 13-0543 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	50.21	16.78
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.75	
For Elevated Installation >30' To 35', Add	13.43	
For Elevated Installation >35' To 40', Add	16.79	
For Elevated Installation >40', Add	18.46	
26 05 33 13-0544 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	67.81	22.37
For Work In Restricted Working Space, Add	13.43	
For Elevated Installation >10' To 15', Add	4.48	
For Elevated Installation >15' To 20', Add	8.95	
For Elevated Installation >20' To 25', Add	11.19	
For Elevated Installation >25' To 30', Add	15.67	
For Elevated Installation >30' To 35', Add	17.90	
For Elevated Installation >35' To 40', Add	22.38	
For Elevated Installation >40', Add	24.62	
26 05 33 13-0545 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	100.16	27.98
For Work In Restricted Working Space, Add	16.78	
For Elevated Installation >10' To 15', Add	5.59	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.58	
For Elevated Installation >30' To 35', Add	22.38	
For Elevated Installation >35' To 40', Add	27.97	
For Elevated Installation >40', Add	30.77	

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26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0546	EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	169.13	33.57
	<i>For Work In Restricted Working Space, Add</i>	20.14	
	<i>For Elevated Installation >10' To 15', Add</i>	6.71	
	<i>For Elevated Installation >15' To 20', Add</i>	13.43	
	<i>For Elevated Installation >20' To 25', Add</i>	16.78	
	<i>For Elevated Installation >25' To 30', Add</i>	23.50	
	<i>For Elevated Installation >30' To 35', Add</i>	26.85	
	<i>For Elevated Installation >35' To 40', Add</i>	33.57	
	<i>For Elevated Installation >40', Add</i>	36.92	
26 05 33 13-0547	EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	213.55	39.16
	<i>For Work In Restricted Working Space, Add</i>	23.50	
	<i>For Elevated Installation >10' To 15', Add</i>	7.83	
	<i>For Elevated Installation >15' To 20', Add</i>	15.66	
	<i>For Elevated Installation >20' To 25', Add</i>	19.58	
	<i>For Elevated Installation >25' To 30', Add</i>	27.41	
	<i>For Elevated Installation >30' To 35', Add</i>	31.33	
	<i>For Elevated Installation >35' To 40', Add</i>	39.16	
	<i>For Elevated Installation >40', Add</i>	43.08	
26 05 33 13-0548	EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	271.82	47.55
	<i>For Work In Restricted Working Space, Add</i>	28.53	
	<i>For Elevated Installation >10' To 15', Add</i>	9.51	
	<i>For Elevated Installation >15' To 20', Add</i>	19.02	
	<i>For Elevated Installation >20' To 25', Add</i>	23.78	
	<i>For Elevated Installation >25' To 30', Add</i>	33.29	
	<i>For Elevated Installation >30' To 35', Add</i>	38.04	
	<i>For Elevated Installation >35' To 40', Add</i>	47.55	
	<i>For Elevated Installation >40', Add</i>	52.31	
26 05 33 13-0549	EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	328.23	55.94
	<i>For Work In Restricted Working Space, Add</i>	33.56	
	<i>For Elevated Installation >10' To 15', Add</i>	11.19	
	<i>For Elevated Installation >15' To 20', Add</i>	22.38	
	<i>For Elevated Installation >20' To 25', Add</i>	27.97	
	<i>For Elevated Installation >25' To 30', Add</i>	39.16	
	<i>For Elevated Installation >30' To 35', Add</i>	44.75	
	<i>For Elevated Installation >35' To 40', Add</i>	55.94	
	<i>For Elevated Installation >40', Add</i>	61.53	
26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0060)</small>			
26 05 33 13-0551	EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling	33.65	13.98
	<i>For Work In Restricted Working Space, Add</i>	8.39	
	<i>For Elevated Installation >10' To 15', Add</i>	2.80	
	<i>For Elevated Installation >15' To 20', Add</i>	5.60	
	<i>For Elevated Installation >20' To 25', Add</i>	7.00	
	<i>For Elevated Installation >25' To 30', Add</i>	9.79	
	<i>For Elevated Installation >30' To 35', Add</i>	11.19	
	<i>For Elevated Installation >35' To 40', Add</i>	13.99	
	<i>For Elevated Installation >40', Add</i>	15.39	
26 05 33 13-0552	EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling	42.67	16.78
	<i>For Work In Restricted Working Space, Add</i>	10.07	
	<i>For Elevated Installation >10' To 15', Add</i>	3.36	
	<i>For Elevated Installation >15' To 20', Add</i>	6.71	
	<i>For Elevated Installation >20' To 25', Add</i>	8.39	
	<i>For Elevated Installation >25' To 30', Add</i>	11.75	
	<i>For Elevated Installation >30' To 35', Add</i>	13.43	
	<i>For Elevated Installation >35' To 40', Add</i>	16.79	
	<i>For Elevated Installation >40', Add</i>	18.46	
26 05 33 13-0553	EA 1" Rigid Galvanized Steel (RGS) Compression Coupling	60.63	22.37
	<i>For Work In Restricted Working Space, Add</i>	13.43	
	<i>For Elevated Installation >10' To 15', Add</i>	4.48	
	<i>For Elevated Installation >15' To 20', Add</i>	8.95	
	<i>For Elevated Installation >20' To 25', Add</i>	11.19	
	<i>For Elevated Installation >25' To 30', Add</i>	15.67	
	<i>For Elevated Installation >30' To 35', Add</i>	17.90	
	<i>For Elevated Installation >35' To 40', Add</i>	22.38	
	<i>For Elevated Installation >40', Add</i>	24.62	
26 05 33 13-0554	EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	79.43	27.98
	<i>For Work In Restricted Working Space, Add</i>	16.78	
	<i>For Elevated Installation >10' To 15', Add</i>	5.59	
	<i>For Elevated Installation >15' To 20', Add</i>	11.19	
	<i>For Elevated Installation >20' To 25', Add</i>	13.99	
	<i>For Elevated Installation >25' To 30', Add</i>	19.58	
	<i>For Elevated Installation >30' To 35', Add</i>	22.38	
	<i>For Elevated Installation >35' To 40', Add</i>	27.97	
	<i>For Elevated Installation >40', Add</i>	30.77	
26 05 33 13-0555	EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	97.71	33.57
	<i>For Work In Restricted Working Space, Add</i>	20.14	
	<i>For Elevated Installation >10' To 15', Add</i>	6.71	
	<i>For Elevated Installation >15' To 20', Add</i>	13.43	
	<i>For Elevated Installation >20' To 25', Add</i>	16.78	
	<i>For Elevated Installation >25' To 30', Add</i>	23.50	
	<i>For Elevated Installation >30' To 35', Add</i>	26.85	
	<i>For Elevated Installation >35' To 40', Add</i>	33.57	
	<i>For Elevated Installation >40', Add</i>	36.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0556 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling	145.19	39.16
<i>For Work In Restricted Working Space, Add</i>	23.50	
<i>For Elevated Installation >10' To 15', Add</i>	7.83	
<i>For Elevated Installation >15' To 20', Add</i>	15.66	
<i>For Elevated Installation >20' To 25', Add</i>	19.58	
<i>For Elevated Installation >25' To 30', Add</i>	27.41	
<i>For Elevated Installation >30' To 35', Add</i>	31.33	
<i>For Elevated Installation >35' To 40', Add</i>	39.16	
<i>For Elevated Installation >40', Add</i>	43.08	
26 05 33 13-0557 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	230.37	44.76
<i>For Work In Restricted Working Space, Add</i>	26.85	
<i>For Elevated Installation >10' To 15', Add</i>	8.95	
<i>For Elevated Installation >15' To 20', Add</i>	17.90	
<i>For Elevated Installation >20' To 25', Add</i>	22.38	
<i>For Elevated Installation >25' To 30', Add</i>	31.33	
<i>For Elevated Installation >30' To 35', Add</i>	35.80	
<i>For Elevated Installation >35' To 40', Add</i>	44.76	
<i>For Elevated Installation >40', Add</i>	49.23	
26 05 33 13-0558 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling	263.82	38.61
<i>For Work In Restricted Working Space, Add</i>	23.16	
<i>For Elevated Installation >10' To 15', Add</i>	7.72	
<i>For Elevated Installation >15' To 20', Add</i>	15.44	
<i>For Elevated Installation >20' To 25', Add</i>	19.30	
<i>For Elevated Installation >25' To 30', Add</i>	27.02	
<i>For Elevated Installation >30' To 35', Add</i>	30.88	
<i>For Elevated Installation >35' To 40', Add</i>	38.60	
<i>For Elevated Installation >40', Add</i>	42.46	
26 05 33 13-0559 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	363.15	58.74
<i>For Work In Restricted Working Space, Add</i>	35.24	
<i>For Elevated Installation >10' To 15', Add</i>	11.75	
<i>For Elevated Installation >15' To 20', Add</i>	23.50	
<i>For Elevated Installation >20' To 25', Add</i>	29.37	
<i>For Elevated Installation >25' To 30', Add</i>	41.12	
<i>For Elevated Installation >30' To 35', Add</i>	46.99	
<i>For Elevated Installation >35' To 40', Add</i>	58.74	
<i>For Elevated Installation >40', Add</i>	64.61	
26 05 33 13-0560 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling	448.62	67.13
<i>For Work In Restricted Working Space, Add</i>	40.28	
<i>For Elevated Installation >10' To 15', Add</i>	13.43	
<i>For Elevated Installation >15' To 20', Add</i>	26.85	
<i>For Elevated Installation >20' To 25', Add</i>	33.57	
<i>For Elevated Installation >25' To 30', Add</i>	46.99	
<i>For Elevated Installation >30' To 35', Add</i>	53.71	
<i>For Elevated Installation >35' To 40', Add</i>	67.14	
<i>For Elevated Installation >40', Add</i>	73.85	
26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal <small>(26 05 33 13-0060)</small>		
26 05 33 13-0562 EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal	5.87	2.80
<i>For Work In Restricted Working Space, Add</i>	1.68	
<i>For Elevated Installation >10' To 15', Add</i>	0.56	
<i>For Elevated Installation >15' To 20', Add</i>	1.12	
<i>For Elevated Installation >20' To 25', Add</i>	1.40	
<i>For Elevated Installation >25' To 30', Add</i>	1.96	
<i>For Elevated Installation >30' To 35', Add</i>	2.24	
<i>For Elevated Installation >35' To 40', Add</i>	2.80	
<i>For Elevated Installation >40', Add</i>	3.07	
26 05 33 13-0563 EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.08	3.35
<i>For Work In Restricted Working Space, Add</i>	2.02	
<i>For Elevated Installation >10' To 15', Add</i>	0.67	
<i>For Elevated Installation >15' To 20', Add</i>	1.34	
<i>For Elevated Installation >20' To 25', Add</i>	1.68	
<i>For Elevated Installation >25' To 30', Add</i>	2.35	
<i>For Elevated Installation >30' To 35', Add</i>	2.69	
<i>For Elevated Installation >35' To 40', Add</i>	3.36	
<i>For Elevated Installation >40', Add</i>	3.70	
26 05 33 13-0564 EA 1" Zinc Plated Steel Snap-in Knock Out Seal	8.40	3.91
<i>For Work In Restricted Working Space, Add</i>	2.35	
<i>For Elevated Installation >10' To 15', Add</i>	0.78	
<i>For Elevated Installation >15' To 20', Add</i>	1.57	
<i>For Elevated Installation >20' To 25', Add</i>	1.96	
<i>For Elevated Installation >25' To 30', Add</i>	2.74	
<i>For Elevated Installation >30' To 35', Add</i>	3.13	
<i>For Elevated Installation >35' To 40', Add</i>	3.92	
<i>For Elevated Installation >40', Add</i>	4.31	
26 05 33 13-0565 EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	10.82	5.04
<i>For Work In Restricted Working Space, Add</i>	3.02	
<i>For Elevated Installation >10' To 15', Add</i>	1.01	
<i>For Elevated Installation >15' To 20', Add</i>	2.01	
<i>For Elevated Installation >20' To 25', Add</i>	2.52	
<i>For Elevated Installation >25' To 30', Add</i>	3.52	
<i>For Elevated Installation >30' To 35', Add</i>	4.03	
<i>For Elevated Installation >35' To 40', Add</i>	5.04	
<i>For Elevated Installation >40', Add</i>	5.54	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0566	EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	12.24	5.59
	<i>For Work In Restricted Working Space, Add</i>	3.36	
	<i>For Elevated Installation >10' To 15', Add</i>	1.12	
	<i>For Elevated Installation >15' To 20', Add</i>	2.24	
	<i>For Elevated Installation >20' To 25', Add</i>	2.80	
	<i>For Elevated Installation >25' To 30', Add</i>	3.92	
	<i>For Elevated Installation >30' To 35', Add</i>	4.48	
	<i>For Elevated Installation >35' To 40', Add</i>	5.60	
	<i>For Elevated Installation >40', Add</i>	6.15	
26 05 33 13-0567	EA 2" Zinc Plated Steel Snap-in Knock Out Seal	14.90	6.72
	<i>For Work In Restricted Working Space, Add</i>	4.03	
	<i>For Elevated Installation >10' To 15', Add</i>	1.34	
	<i>For Elevated Installation >15' To 20', Add</i>	2.69	
	<i>For Elevated Installation >20' To 25', Add</i>	3.36	
	<i>For Elevated Installation >25' To 30', Add</i>	4.70	
	<i>For Elevated Installation >30' To 35', Add</i>	5.37	
	<i>For Elevated Installation >35' To 40', Add</i>	6.72	
	<i>For Elevated Installation >40', Add</i>	7.39	
26 05 33 13-0568	Zinc Plated Steel 3-Piece Knock Out Seal <small>(26 05 33 13-0060)</small>	7.24	2.80
26 05 33 13-0569	EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	7.24	2.80
	<i>For Work In Restricted Working Space, Add</i>	1.68	
	<i>For Elevated Installation >10' To 15', Add</i>	0.56	
	<i>For Elevated Installation >15' To 20', Add</i>	1.12	
	<i>For Elevated Installation >20' To 25', Add</i>	1.40	
	<i>For Elevated Installation >25' To 30', Add</i>	1.96	
	<i>For Elevated Installation >30' To 35', Add</i>	2.24	
	<i>For Elevated Installation >35' To 40', Add</i>	2.80	
	<i>For Elevated Installation >40', Add</i>	3.07	
26 05 33 13-0570	EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal.....	8.64	3.35
	<i>For Work In Restricted Working Space, Add</i>	2.02	
	<i>For Elevated Installation >10' To 15', Add</i>	0.67	
	<i>For Elevated Installation >15' To 20', Add</i>	1.34	
	<i>For Elevated Installation >20' To 25', Add</i>	1.68	
	<i>For Elevated Installation >25' To 30', Add</i>	2.35	
	<i>For Elevated Installation >30' To 35', Add</i>	2.69	
	<i>For Elevated Installation >35' To 40', Add</i>	3.36	
	<i>For Elevated Installation >40', Add</i>	3.70	
26 05 33 13-0571	EA 1" Zinc Plated Steel 3-Piece Knock Out Seal	10.48	3.91
	<i>For Work In Restricted Working Space, Add</i>	2.35	
	<i>For Elevated Installation >10' To 15', Add</i>	0.78	
	<i>For Elevated Installation >15' To 20', Add</i>	1.57	
	<i>For Elevated Installation >20' To 25', Add</i>	1.96	
	<i>For Elevated Installation >25' To 30', Add</i>	2.74	
	<i>For Elevated Installation >30' To 35', Add</i>	3.13	
	<i>For Elevated Installation >35' To 40', Add</i>	3.92	
	<i>For Elevated Installation >40', Add</i>	4.31	
26 05 33 13-0572	EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	13.48	5.04
	<i>For Work In Restricted Working Space, Add</i>	3.02	
	<i>For Elevated Installation >10' To 15', Add</i>	1.01	
	<i>For Elevated Installation >15' To 20', Add</i>	2.01	
	<i>For Elevated Installation >20' To 25', Add</i>	2.52	
	<i>For Elevated Installation >25' To 30', Add</i>	3.52	
	<i>For Elevated Installation >30' To 35', Add</i>	4.03	
	<i>For Elevated Installation >35' To 40', Add</i>	5.04	
	<i>For Elevated Installation >40', Add</i>	5.54	
26 05 33 13-0573	EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	16.63	5.59
	<i>For Work In Restricted Working Space, Add</i>	3.36	
	<i>For Elevated Installation >10' To 15', Add</i>	1.12	
	<i>For Elevated Installation >15' To 20', Add</i>	2.24	
	<i>For Elevated Installation >20' To 25', Add</i>	2.80	
	<i>For Elevated Installation >25' To 30', Add</i>	3.92	
	<i>For Elevated Installation >30' To 35', Add</i>	4.48	
	<i>For Elevated Installation >35' To 40', Add</i>	5.60	
	<i>For Elevated Installation >40', Add</i>	6.15	
26 05 33 13-0574	EA 2" Zinc Plated Steel 3-Piece Knock Out Seal	20.13	6.72
	<i>For Work In Restricted Working Space, Add</i>	4.03	
	<i>For Elevated Installation >10' To 15', Add</i>	1.34	
	<i>For Elevated Installation >15' To 20', Add</i>	2.69	
	<i>For Elevated Installation >20' To 25', Add</i>	3.36	
	<i>For Elevated Installation >25' To 30', Add</i>	4.70	
	<i>For Elevated Installation >30' To 35', Add</i>	5.37	
	<i>For Elevated Installation >35' To 40', Add</i>	6.72	
	<i>For Elevated Installation >40', Add</i>	7.39	
26 05 33 13-0575	EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	24.66	8.39
	<i>For Work In Restricted Working Space, Add</i>	5.03	
	<i>For Elevated Installation >10' To 15', Add</i>	1.68	
	<i>For Elevated Installation >15' To 20', Add</i>	3.36	
	<i>For Elevated Installation >20' To 25', Add</i>	4.20	
	<i>For Elevated Installation >25' To 30', Add</i>	5.87	
	<i>For Elevated Installation >30' To 35', Add</i>	6.71	
	<i>For Elevated Installation >35' To 40', Add</i>	8.39	
	<i>For Elevated Installation >40', Add</i>	9.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0576 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal	28.86	9.51
For Work In Restricted Working Space, Add	5.71	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.76	
For Elevated Installation >25' To 30', Add	6.66	
For Elevated Installation >30' To 35', Add	7.61	
For Elevated Installation >35' To 40', Add	9.51	
For Elevated Installation >40', Add	10.46	
26 05 33 13-0577 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	35.12	10.63
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
26 05 33 13-0578 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal	41.28	11.74
For Work In Restricted Working Space, Add	7.05	
For Elevated Installation >10' To 15', Add	2.35	
For Elevated Installation >15' To 20', Add	4.70	
For Elevated Installation >20' To 25', Add	5.88	
For Elevated Installation >25' To 30', Add	8.23	
For Elevated Installation >30' To 35', Add	9.40	
For Elevated Installation >35' To 40', Add	11.75	
For Elevated Installation >40', Add	12.93	
26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0060)</small>		
26 05 33 13-0580 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	13.85	6.72
For Work In Restricted Working Space, Add	4.03	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.72	
For Elevated Installation >40', Add	7.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-0581 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	16.37	7.83
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.26	
For Elevated Installation >35' To 40', Add	7.83	
For Elevated Installation >40', Add	8.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0582 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	20.56	9.51
For Work In Restricted Working Space, Add	5.71	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.76	
For Elevated Installation >25' To 30', Add	6.66	
For Elevated Installation >30' To 35', Add	7.61	
For Elevated Installation >35' To 40', Add	9.51	
For Elevated Installation >40', Add	10.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.71	
26 05 33 13-0583 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	25.04	11.19
For Work In Restricted Working Space, Add	6.71	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.47	
For Elevated Installation >20' To 25', Add	5.59	
For Elevated Installation >25' To 30', Add	7.83	
For Elevated Installation >30' To 35', Add	8.95	
For Elevated Installation >35' To 40', Add	11.19	
For Elevated Installation >40', Add	12.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.71	
26 05 33 13-0584 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	31.42	13.98
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple.....	39.15	16.78
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Elevated Installation >10' To 15', Add</i>	3.36	
			<i>For Elevated Installation >15' To 20', Add</i>	6.71	
			<i>For Elevated Installation >20' To 25', Add</i>	8.39	
			<i>For Elevated Installation >25' To 30', Add</i>	11.75	
			<i>For Elevated Installation >30' To 35', Add</i>	13.43	
			<i>For Elevated Installation >35' To 40', Add</i>	16.79	
			<i>For Elevated Installation >40', Add</i>	18.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 33	13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	49.77	19.58
			<i>For Work In Restricted Working Space, Add</i>	11.75	
			<i>For Elevated Installation >10' To 15', Add</i>	3.92	
			<i>For Elevated Installation >15' To 20', Add</i>	7.83	
			<i>For Elevated Installation >20' To 25', Add</i>	9.79	
			<i>For Elevated Installation >25' To 30', Add</i>	13.71	
			<i>For Elevated Installation >30' To 35', Add</i>	15.66	
			<i>For Elevated Installation >35' To 40', Add</i>	19.58	
			<i>For Elevated Installation >40', Add</i>	21.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.75	
26 05 33	13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple.....	55.65	22.37
			<i>For Work In Restricted Working Space, Add</i>	13.43	
			<i>For Elevated Installation >10' To 15', Add</i>	4.48	
			<i>For Elevated Installation >15' To 20', Add</i>	8.95	
			<i>For Elevated Installation >20' To 25', Add</i>	11.19	
			<i>For Elevated Installation >25' To 30', Add</i>	15.67	
			<i>For Elevated Installation >30' To 35', Add</i>	17.90	
			<i>For Elevated Installation >35' To 40', Add</i>	22.38	
			<i>For Elevated Installation >40', Add</i>	24.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33	13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	69.60	25.17
			<i>For Work In Restricted Working Space, Add</i>	15.11	
			<i>For Elevated Installation >10' To 15', Add</i>	5.04	
			<i>For Elevated Installation >15' To 20', Add</i>	10.07	
			<i>For Elevated Installation >20' To 25', Add</i>	12.59	
			<i>For Elevated Installation >25' To 30', Add</i>	17.62	
			<i>For Elevated Installation >30' To 35', Add</i>	20.14	
			<i>For Elevated Installation >35' To 40', Add</i>	25.18	
			<i>For Elevated Installation >40', Add</i>	27.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.11	
26 05 33	13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple.....	96.28	27.98
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-0590		Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0060)		
26 05 33	13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	27.46	10.07
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Elevated Installation >10' To 15', Add</i>	2.01	
			<i>For Elevated Installation >15' To 20', Add</i>	4.03	
			<i>For Elevated Installation >20' To 25', Add</i>	5.04	
			<i>For Elevated Installation >25' To 30', Add</i>	7.05	
			<i>For Elevated Installation >30' To 35', Add</i>	8.06	
			<i>For Elevated Installation >35' To 40', Add</i>	10.07	
			<i>For Elevated Installation >40', Add</i>	11.08	
26 05 33	13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	31.90	11.74
			<i>For Work In Restricted Working Space, Add</i>	7.05	
			<i>For Elevated Installation >10' To 15', Add</i>	2.35	
			<i>For Elevated Installation >15' To 20', Add</i>	4.70	
			<i>For Elevated Installation >20' To 25', Add</i>	5.88	
			<i>For Elevated Installation >25' To 30', Add</i>	8.23	
			<i>For Elevated Installation >30' To 35', Add</i>	9.40	
			<i>For Elevated Installation >35' To 40', Add</i>	11.75	
			<i>For Elevated Installation >40', Add</i>	12.93	
26 05 33	13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	40.80	13.43
			<i>For Work In Restricted Working Space, Add</i>	8.06	
			<i>For Elevated Installation >10' To 15', Add</i>	2.69	
			<i>For Elevated Installation >15' To 20', Add</i>	5.37	
			<i>For Elevated Installation >20' To 25', Add</i>	6.71	
			<i>For Elevated Installation >25' To 30', Add</i>	9.40	
			<i>For Elevated Installation >30' To 35', Add</i>	10.74	
			<i>For Elevated Installation >35' To 40', Add</i>	13.43	
			<i>For Elevated Installation >40', Add</i>	14.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0594 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	52.35	16.78
<i>For Work In Restricted Working Space, Add</i>	10.07	
<i>For Elevated Installation >10' To 15', Add</i>	3.36	
<i>For Elevated Installation >15' To 20', Add</i>	6.71	
<i>For Elevated Installation >20' To 25', Add</i>	8.39	
<i>For Elevated Installation >25' To 30', Add</i>	11.75	
<i>For Elevated Installation >30' To 35', Add</i>	13.43	
<i>For Elevated Installation >35' To 40', Add</i>	16.79	
<i>For Elevated Installation >40', Add</i>	18.46	
26 05 33 13-0595 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	70.09	20.14
<i>For Work In Restricted Working Space, Add</i>	12.08	
<i>For Elevated Installation >10' To 15', Add</i>	4.03	
<i>For Elevated Installation >15' To 20', Add</i>	8.06	
<i>For Elevated Installation >20' To 25', Add</i>	10.07	
<i>For Elevated Installation >25' To 30', Add</i>	14.10	
<i>For Elevated Installation >30' To 35', Add</i>	16.11	
<i>For Elevated Installation >35' To 40', Add</i>	20.14	
<i>For Elevated Installation >40', Add</i>	22.15	
26 05 33 13-0596 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow	94.17	23.50
<i>For Work In Restricted Working Space, Add</i>	14.10	
<i>For Elevated Installation >10' To 15', Add</i>	4.70	
<i>For Elevated Installation >15' To 20', Add</i>	9.40	
<i>For Elevated Installation >20' To 25', Add</i>	11.75	
<i>For Elevated Installation >25' To 30', Add</i>	16.45	
<i>For Elevated Installation >30' To 35', Add</i>	18.80	
<i>For Elevated Installation >35' To 40', Add</i>	23.50	
<i>For Elevated Installation >40', Add</i>	25.84	
26 05 33 13-0597 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	131.59	26.85
<i>For Work In Restricted Working Space, Add</i>	16.11	
<i>For Elevated Installation >10' To 15', Add</i>	5.37	
<i>For Elevated Installation >15' To 20', Add</i>	10.74	
<i>For Elevated Installation >20' To 25', Add</i>	13.43	
<i>For Elevated Installation >25' To 30', Add</i>	18.80	
<i>For Elevated Installation >30' To 35', Add</i>	21.48	
<i>For Elevated Installation >35' To 40', Add</i>	26.85	
<i>For Elevated Installation >40', Add</i>	29.54	
26 05 33 13-0598 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow	232.14	33.57
<i>For Work In Restricted Working Space, Add</i>	20.14	
<i>For Elevated Installation >10' To 15', Add</i>	6.71	
<i>For Elevated Installation >15' To 20', Add</i>	13.43	
<i>For Elevated Installation >20' To 25', Add</i>	16.78	
<i>For Elevated Installation >25' To 30', Add</i>	23.50	
<i>For Elevated Installation >30' To 35', Add</i>	26.85	
<i>For Elevated Installation >35' To 40', Add</i>	33.57	
<i>For Elevated Installation >40', Add</i>	36.92	
 26 05 33 13-0599	Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0599)</small>	
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.	
 26 05 33 13-0600	Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0599)</small>	
	Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".	
26 05 33 13-0601 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	6.08	2.02
<i>For >250 To 500, Deduct</i>	-0.05	
<i>For >500 To 1,000, Deduct</i>	-0.33	
<i>For >1,000, Deduct</i>	-0.48	
<i>For Installation In Metal Stud Wall, Add</i>	0.50	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.26	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	1.51	
<i>For Elevated Installation >10' To 15', Add</i>	0.50	
<i>For Elevated Installation >15' To 20', Add</i>	1.01	
<i>For Elevated Installation >20' To 25', Add</i>	1.26	
<i>For Elevated Installation >25' To 30', Add</i>	1.76	
<i>For Elevated Installation >30' To 35', Add</i>	2.02	
<i>For Elevated Installation >35' To 40', Add</i>	2.52	
<i>For Elevated Installation >40', Add</i>	2.77	
<i>For Factory Applied Color Coating, Add</i>	0.31	
26 05 33 13-0602 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	7.22	2.24
<i>For >250 To 500, Deduct</i>	-0.08	
<i>For >500 To 1,000, Deduct</i>	-0.40	
<i>For >1,000, Deduct</i>	-0.58	
<i>For Installation In Metal Stud Wall, Add</i>	0.56	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.40	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	1.68	
<i>For Elevated Installation >10' To 15', Add</i>	0.56	
<i>For Elevated Installation >15' To 20', Add</i>	1.12	
<i>For Elevated Installation >20' To 25', Add</i>	1.40	
<i>For Elevated Installation >25' To 30', Add</i>	1.96	
<i>For Elevated Installation >30' To 35', Add</i>	2.24	
<i>For Elevated Installation >35' To 40', Add</i>	2.80	
<i>For Elevated Installation >40', Add</i>	3.07	
<i>For Factory Applied Color Coating, Add</i>	0.49	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit.....	8.86	2.46
			<i>For >250 To 500, Deduct</i>	-0.14	
			<i>For >500 To 1,000, Deduct</i>	-0.51	
			<i>For >1,000, Deduct</i>	-0.73	
			<i>For Installation In Metal Stud Wall, Add</i>	0.62	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.54	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.92	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >10' To 15', Add</i>	0.62	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
			<i>For Elevated Installation >20' To 25', Add</i>	1.54	
			<i>For Elevated Installation >25' To 30', Add</i>	2.15	
			<i>For Elevated Installation >30' To 35', Add</i>	2.46	
			<i>For Elevated Installation >35' To 40', Add</i>	3.08	
			<i>For Elevated Installation >40', Add</i>	3.38	
			<i>For Factory Applied Color Coating, Add</i>	0.81	
26 05 33	13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	11.22	2.77
			<i>For >250 To 500, Deduct</i>	-0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.67	
			<i>For >1,000, Deduct</i>	-0.95	
			<i>For Installation In Metal Stud Wall, Add</i>	0.69	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.74	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Elevated Installation >10' To 15', Add</i>	0.69	
			<i>For Elevated Installation >15' To 20', Add</i>	1.39	
			<i>For Elevated Installation >20' To 25', Add</i>	1.74	
			<i>For Elevated Installation >25' To 30', Add</i>	2.43	
			<i>For Elevated Installation >30' To 35', Add</i>	2.78	
			<i>For Elevated Installation >35' To 40', Add</i>	3.47	
			<i>For Elevated Installation >40', Add</i>	3.82	
			<i>For Factory Applied Color Coating, Add</i>	1.28	
26 05 33	13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	13.16	3.13
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.79	
			<i>For >1,000, Deduct</i>	-1.12	
			<i>For Installation In Metal Stud Wall, Add</i>	0.78	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.96	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.17	
			<i>For Work In Restricted Working Space, Add</i>	2.35	
			<i>For Elevated Installation >10' To 15', Add</i>	0.78	
			<i>For Elevated Installation >15' To 20', Add</i>	1.57	
			<i>For Elevated Installation >20' To 25', Add</i>	1.96	
			<i>For Elevated Installation >25' To 30', Add</i>	2.74	
			<i>For Elevated Installation >30' To 35', Add</i>	3.13	
			<i>For Elevated Installation >35' To 40', Add</i>	3.92	
			<i>For Elevated Installation >40', Add</i>	4.31	
			<i>For Factory Applied Color Coating, Add</i>	1.60	
26 05 33	13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit.....	15.27	3.58
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.92	
			<i>For >1,000, Deduct</i>	-1.30	
			<i>For Installation In Metal Stud Wall, Add</i>	0.90	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.24	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
			<i>For Elevated Installation >10' To 15', Add</i>	0.90	
			<i>For Elevated Installation >15' To 20', Add</i>	1.79	
			<i>For Elevated Installation >20' To 25', Add</i>	2.24	
			<i>For Elevated Installation >25' To 30', Add</i>	3.13	
			<i>For Elevated Installation >30' To 35', Add</i>	3.58	
			<i>For Elevated Installation >35' To 40', Add</i>	4.48	
			<i>For Elevated Installation >40', Add</i>	4.92	
			<i>For Factory Applied Color Coating, Add</i>	1.90	
26 05 33	13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit.....	19.99	4.26
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000, Deduct</i>	-1.73	
			<i>For Installation In Metal Stud Wall, Add</i>	1.06	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.66	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	3.19	
			<i>For Elevated Installation >10' To 15', Add</i>	1.06	
			<i>For Elevated Installation >15' To 20', Add</i>	2.13	
			<i>For Elevated Installation >20' To 25', Add</i>	2.66	
			<i>For Elevated Installation >25' To 30', Add</i>	3.72	
			<i>For Elevated Installation >30' To 35', Add</i>	4.25	
			<i>For Elevated Installation >35' To 40', Add</i>	5.32	
			<i>For Elevated Installation >40', Add</i>	5.85	
			<i>For Factory Applied Color Coating, Add</i>	2.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	24.03	4.92
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.10	
For Installation In Metal Stud Wall, Add	1.23	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.85	
For Work In Restricted Working Space, Add	3.69	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.46	
For Elevated Installation >20' To 25', Add	3.08	
For Elevated Installation >25' To 30', Add	4.31	
For Elevated Installation >30' To 35', Add	4.92	
For Elevated Installation >35' To 40', Add	6.16	
For Elevated Installation >40', Add	6.77	
For Factory Applied Color Coating, Add	3.52	
26 05 33 13-0609 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit	30.20	5.82
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.90	
For >1,000, Deduct	-2.66	
For Installation In Metal Stud Wall, Add	1.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.18	
For Work In Restricted Working Space, Add	4.36	
For Elevated Installation >10' To 15', Add	1.45	
For Elevated Installation >15' To 20', Add	2.91	
For Elevated Installation >20' To 25', Add	3.64	
For Elevated Installation >25' To 30', Add	5.09	
For Elevated Installation >30' To 35', Add	5.82	
For Elevated Installation >35' To 40', Add	7.27	
For Elevated Installation >40', Add	8.00	
For Factory Applied Color Coating, Add	4.70	
26 05 33 13-0610 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	39.67	8.82
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-2.42	
For >1,000, Deduct	-3.42	
For Installation In Metal Stud Wall, Add	2.20	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.30	
For Work In Restricted Working Space, Add	6.61	
For Elevated Installation >10' To 15', Add	2.20	
For Elevated Installation >15' To 20', Add	4.41	
For Elevated Installation >20' To 25', Add	5.51	
For Elevated Installation >25' To 30', Add	7.71	
For Elevated Installation >30' To 35', Add	8.81	
For Elevated Installation >35' To 40', Add	11.02	
For Elevated Installation >40', Add	12.12	
For Factory Applied Color Coating, Add	5.29	
26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0599)</small>		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0612 EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	14.63	4.92
For Work In Restricted Working Space, Add	3.69	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.46	
For Elevated Installation >20' To 25', Add	3.08	
For Elevated Installation >25' To 30', Add	4.31	
For Elevated Installation >30' To 35', Add	4.92	
For Elevated Installation >35' To 40', Add	6.16	
For Elevated Installation >40', Add	6.77	
26 05 33 13-0613 EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	15.49	5.37
For Work In Restricted Working Space, Add	4.03	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.72	
For Elevated Installation >40', Add	7.39	
26 05 33 13-0614 EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	18.91	6.26
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	20.81	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.68	
			<i>For Elevated Installation >15' To 20', Add</i>	3.36	
			<i>For Elevated Installation >20' To 25', Add</i>	4.20	
			<i>For Elevated Installation >25' To 30', Add</i>	5.87	
			<i>For Elevated Installation >30' To 35', Add</i>	6.71	
			<i>For Elevated Installation >35' To 40', Add</i>	8.39	
			<i>For Elevated Installation >40', Add</i>	9.23	
26 05 33	13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	24.68	8.06
			<i>For Work In Restricted Working Space, Add</i>	6.05	
			<i>For Elevated Installation >10' To 15', Add</i>	2.02	
			<i>For Elevated Installation >15' To 20', Add</i>	4.03	
			<i>For Elevated Installation >20' To 25', Add</i>	5.04	
			<i>For Elevated Installation >25' To 30', Add</i>	7.05	
			<i>For Elevated Installation >30' To 35', Add</i>	8.06	
			<i>For Elevated Installation >35' To 40', Add</i>	10.08	
			<i>For Elevated Installation >40', Add</i>	11.08	
26 05 33	13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	32.44	10.29
			<i>For Work In Restricted Working Space, Add</i>	7.72	
			<i>For Elevated Installation >10' To 15', Add</i>	2.57	
			<i>For Elevated Installation >15' To 20', Add</i>	5.15	
			<i>For Elevated Installation >20' To 25', Add</i>	6.44	
			<i>For Elevated Installation >25' To 30', Add</i>	9.01	
			<i>For Elevated Installation >30' To 35', Add</i>	10.30	
			<i>For Elevated Installation >35' To 40', Add</i>	12.87	
			<i>For Elevated Installation >40', Add</i>	14.16	
26 05 33	13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	43.89	11.63
			<i>For Work In Restricted Working Space, Add</i>	8.73	
			<i>For Elevated Installation >10' To 15', Add</i>	2.91	
			<i>For Elevated Installation >15' To 20', Add</i>	5.82	
			<i>For Elevated Installation >20' To 25', Add</i>	7.27	
			<i>For Elevated Installation >25' To 30', Add</i>	10.18	
			<i>For Elevated Installation >30' To 35', Add</i>	11.64	
			<i>For Elevated Installation >35' To 40', Add</i>	14.55	
			<i>For Elevated Installation >40', Add</i>	16.00	
26 05 33	13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	56.35	12.98
			<i>For Work In Restricted Working Space, Add</i>	9.74	
			<i>For Elevated Installation >10' To 15', Add</i>	3.25	
			<i>For Elevated Installation >15' To 20', Add</i>	6.49	
			<i>For Elevated Installation >20' To 25', Add</i>	8.11	
			<i>For Elevated Installation >25' To 30', Add</i>	11.36	
			<i>For Elevated Installation >30' To 35', Add</i>	12.98	
			<i>For Elevated Installation >35' To 40', Add</i>	16.23	
			<i>For Elevated Installation >40', Add</i>	17.85	
26 05 33	13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	64.08	14.32
			<i>For Work In Restricted Working Space, Add</i>	10.74	
			<i>For Elevated Installation >10' To 15', Add</i>	3.58	
			<i>For Elevated Installation >15' To 20', Add</i>	7.16	
			<i>For Elevated Installation >20' To 25', Add</i>	8.95	
			<i>For Elevated Installation >25' To 30', Add</i>	12.53	
			<i>For Elevated Installation >30' To 35', Add</i>	14.32	
			<i>For Elevated Installation >35' To 40', Add</i>	17.91	
			<i>For Elevated Installation >40', Add</i>	19.70	
26 05 33	13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	134.82	38.56
			<i>For Work In Restricted Working Space, Add</i>	28.92	
			<i>For Elevated Installation >10' To 15', Add</i>	9.64	
			<i>For Elevated Installation >15' To 20', Add</i>	19.28	
			<i>For Elevated Installation >20' To 25', Add</i>	24.10	
			<i>For Elevated Installation >25' To 30', Add</i>	33.74	
			<i>For Elevated Installation >30' To 35', Add</i>	38.56	
			<i>For Elevated Installation >35' To 40', Add</i>	48.20	
			<i>For Elevated Installation >40', Add</i>	53.02	
26 05 33	13-0622		Electrical Metallic Tubing (EMT) 45 Degree Elbows <small>(26 05 33 13-0599)</small>		
			See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33	13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	14.38	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.92	
			<i>For Elevated Installation >35' To 40', Add</i>	6.16	
			<i>For Elevated Installation >40', Add</i>	6.77	
26 05 33	13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	15.64	5.37
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.34	
			<i>For Elevated Installation >15' To 20', Add</i>	2.69	
			<i>For Elevated Installation >20' To 25', Add</i>	3.36	
			<i>For Elevated Installation >25' To 30', Add</i>	4.70	
			<i>For Elevated Installation >30' To 35', Add</i>	5.37	
			<i>For Elevated Installation >35' To 40', Add</i>	6.72	
			<i>For Elevated Installation >40', Add</i>	7.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625 EA 1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	19.24	6.26
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
26 05 33 13-0626 EA 1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	21.43	6.72
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	
26 05 33 13-0627 EA 1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	25.46	8.06
For Work In Restricted Working Space, Add	6.05	
For Elevated Installation >10' To 15', Add	2.02	
For Elevated Installation >15' To 20', Add	4.03	
For Elevated Installation >20' To 25', Add	5.04	
For Elevated Installation >25' To 30', Add	7.05	
For Elevated Installation >30' To 35', Add	8.06	
For Elevated Installation >35' To 40', Add	10.08	
For Elevated Installation >40', Add	11.08	
26 05 33 13-0628 EA 2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	32.19	10.29
For Work In Restricted Working Space, Add	7.72	
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.15	
For Elevated Installation >20' To 25', Add	6.44	
For Elevated Installation >25' To 30', Add	9.01	
For Elevated Installation >30' To 35', Add	10.30	
For Elevated Installation >35' To 40', Add	12.87	
For Elevated Installation >40', Add	14.16	
26 05 33 13-0629 EA 2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	46.15	11.63
For Work In Restricted Working Space, Add	8.73	
For Elevated Installation >10' To 15', Add	2.91	
For Elevated Installation >15' To 20', Add	5.82	
For Elevated Installation >20' To 25', Add	7.27	
For Elevated Installation >25' To 30', Add	10.18	
For Elevated Installation >30' To 35', Add	11.64	
For Elevated Installation >35' To 40', Add	14.55	
For Elevated Installation >40', Add	16.00	
26 05 33 13-0630 EA 3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	58.15	12.98
For Work In Restricted Working Space, Add	9.74	
For Elevated Installation >10' To 15', Add	3.25	
For Elevated Installation >15' To 20', Add	6.49	
For Elevated Installation >20' To 25', Add	8.11	
For Elevated Installation >25' To 30', Add	11.36	
For Elevated Installation >30' To 35', Add	12.98	
For Elevated Installation >35' To 40', Add	16.23	
For Elevated Installation >40', Add	17.85	
26 05 33 13-0631 EA 3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	68.97	14.32
For Work In Restricted Working Space, Add	10.74	
For Elevated Installation >10' To 15', Add	3.58	
For Elevated Installation >15' To 20', Add	7.16	
For Elevated Installation >20' To 25', Add	8.95	
For Elevated Installation >25' To 30', Add	12.53	
For Elevated Installation >30' To 35', Add	14.32	
For Elevated Installation >35' To 40', Add	17.91	
For Elevated Installation >40', Add	19.70	
26 05 33 13-0632 EA 4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	131.40	38.56
For Work In Restricted Working Space, Add	28.92	
For Elevated Installation >10' To 15', Add	9.64	
For Elevated Installation >15' To 20', Add	19.28	
For Elevated Installation >20' To 25', Add	24.10	
For Elevated Installation >25' To 30', Add	33.74	
For Elevated Installation >30' To 35', Add	38.56	
For Elevated Installation >35' To 40', Add	48.20	
For Elevated Installation >40', Add	53.02	
26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0599)</small>		
26 05 33 13-0634 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.86	2.69
For Work In Restricted Working Space, Add	1.68	
For Elevated Installation >10' To 15', Add	0.56	
For Elevated Installation >15' To 20', Add	1.12	
For Elevated Installation >20' To 25', Add	1.40	
For Elevated Installation >25' To 30', Add	1.96	
For Elevated Installation >30' To 35', Add	2.24	
For Elevated Installation >35' To 40', Add	2.80	
For Elevated Installation >40', Add	3.07	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.11	2.69
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Elevated Installation >10' To 15', Add</i>	0.67	
			<i>For Elevated Installation >15' To 20', Add</i>	1.34	
			<i>For Elevated Installation >20' To 25', Add</i>	1.68	
			<i>For Elevated Installation >25' To 30', Add</i>	2.35	
			<i>For Elevated Installation >30' To 35', Add</i>	2.69	
			<i>For Elevated Installation >35' To 40', Add</i>	3.36	
			<i>For Elevated Installation >40', Add</i>	3.70	
26 05 33	13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.43	3.13
			<i>For Work In Restricted Working Space, Add</i>	2.35	
			<i>For Elevated Installation >10' To 15', Add</i>	0.78	
			<i>For Elevated Installation >15' To 20', Add</i>	1.57	
			<i>For Elevated Installation >20' To 25', Add</i>	1.96	
			<i>For Elevated Installation >25' To 30', Add</i>	2.74	
			<i>For Elevated Installation >30' To 35', Add</i>	3.13	
			<i>For Elevated Installation >35' To 40', Add</i>	3.92	
			<i>For Elevated Installation >40', Add</i>	4.31	
26 05 33	13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.38	4.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Elevated Installation >10' To 15', Add</i>	1.01	
			<i>For Elevated Installation >15' To 20', Add</i>	2.01	
			<i>For Elevated Installation >20' To 25', Add</i>	2.52	
			<i>For Elevated Installation >25' To 30', Add</i>	3.52	
			<i>For Elevated Installation >30' To 35', Add</i>	4.03	
			<i>For Elevated Installation >35' To 40', Add</i>	5.04	
			<i>For Elevated Installation >40', Add</i>	5.54	
26 05 33	13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.04	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.92	
			<i>For Elevated Installation >35' To 40', Add</i>	6.16	
			<i>For Elevated Installation >40', Add</i>	6.77	
26 05 33	13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	19.08	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Elevated Installation >10' To 15', Add</i>	1.68	
			<i>For Elevated Installation >15' To 20', Add</i>	3.36	
			<i>For Elevated Installation >20' To 25', Add</i>	4.20	
			<i>For Elevated Installation >25' To 30', Add</i>	5.87	
			<i>For Elevated Installation >30' To 35', Add</i>	6.71	
			<i>For Elevated Installation >35' To 40', Add</i>	8.39	
			<i>For Elevated Installation >40', Add</i>	9.23	
26 05 33	13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	26.40	8.95
			<i>For Work In Restricted Working Space, Add</i>	6.71	
			<i>For Elevated Installation >10' To 15', Add</i>	2.24	
			<i>For Elevated Installation >15' To 20', Add</i>	4.47	
			<i>For Elevated Installation >20' To 25', Add</i>	5.59	
			<i>For Elevated Installation >25' To 30', Add</i>	7.83	
			<i>For Elevated Installation >30' To 35', Add</i>	8.95	
			<i>For Elevated Installation >35' To 40', Add</i>	11.19	
			<i>For Elevated Installation >40', Add</i>	12.30	
26 05 33	13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	34.23	10.29
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.60	
			<i>For Elevated Installation >20' To 25', Add</i>	7.00	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.39	
26 05 33	13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	38.52	11.19
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Elevated Installation >10' To 15', Add</i>	3.36	
			<i>For Elevated Installation >15' To 20', Add</i>	6.71	
			<i>For Elevated Installation >20' To 25', Add</i>	8.39	
			<i>For Elevated Installation >25' To 30', Add</i>	11.75	
			<i>For Elevated Installation >30' To 35', Add</i>	13.43	
			<i>For Elevated Installation >35' To 40', Add</i>	16.79	
			<i>For Elevated Installation >40', Add</i>	18.46	
26 05 33	13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	112.24	31.95
			<i>For Work In Restricted Working Space, Add</i>	31.03	
			<i>For Elevated Installation >10' To 15', Add</i>	10.34	
			<i>For Elevated Installation >15' To 20', Add</i>	20.68	
			<i>For Elevated Installation >20' To 25', Add</i>	25.86	
			<i>For Elevated Installation >25' To 30', Add</i>	36.20	
			<i>For Elevated Installation >30' To 35', Add</i>	41.37	
			<i>For Elevated Installation >35' To 40', Add</i>	51.71	
			<i>For Elevated Installation >40', Add</i>	56.88	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0599)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0645 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	7.38	2.69
For Work In Restricted Working Space, Add	2.02	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.34	
For Elevated Installation >20' To 25', Add	1.68	
For Elevated Installation >25' To 30', Add	2.35	
For Elevated Installation >30' To 35', Add	2.69	
For Elevated Installation >35' To 40', Add	3.36	
For Elevated Installation >40', Add	3.70	
26 05 33 13-0646 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	8.56	3.13
For Work In Restricted Working Space, Add	2.35	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.57	
For Elevated Installation >20' To 25', Add	1.96	
For Elevated Installation >25' To 30', Add	2.74	
For Elevated Installation >30' To 35', Add	3.13	
For Elevated Installation >35' To 40', Add	3.92	
For Elevated Installation >40', Add	4.31	
26 05 33 13-0647 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	12.20	4.48
For Work In Restricted Working Space, Add	3.36	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.80	
For Elevated Installation >25' To 30', Add	3.92	
For Elevated Installation >30' To 35', Add	4.48	
For Elevated Installation >35' To 40', Add	5.60	
For Elevated Installation >40', Add	6.15	
26 05 33 13-0648 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	15.54	5.37
For Work In Restricted Working Space, Add	4.03	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.72	
For Elevated Installation >40', Add	7.39	
26 05 33 13-0649 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	18.63	6.26
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.26	
For Elevated Installation >35' To 40', Add	7.83	
For Elevated Installation >40', Add	8.61	
26 05 33 13-0650 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	24.82	8.06
For Work In Restricted Working Space, Add	6.04	
For Elevated Installation >10' To 15', Add	2.01	
For Elevated Installation >15' To 20', Add	4.03	
For Elevated Installation >20' To 25', Add	5.04	
For Elevated Installation >25' To 30', Add	7.05	
For Elevated Installation >30' To 35', Add	8.06	
For Elevated Installation >35' To 40', Add	10.07	
For Elevated Installation >40', Add	11.08	
26 05 33 13-0651 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	39.07	10.74
For Work In Restricted Working Space, Add	8.06	
For Elevated Installation >10' To 15', Add	2.69	
For Elevated Installation >15' To 20', Add	5.37	
For Elevated Installation >20' To 25', Add	6.71	
For Elevated Installation >25' To 30', Add	9.40	
For Elevated Installation >30' To 35', Add	10.74	
For Elevated Installation >35' To 40', Add	13.43	
For Elevated Installation >40', Add	14.77	
26 05 33 13-0652 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	45.21	12.53
For Work In Restricted Working Space, Add	9.40	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.83	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.53	
For Elevated Installation >35' To 40', Add	15.67	
For Elevated Installation >40', Add	17.23	
26 05 33 13-0653 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	56.53	15.66
For Work In Restricted Working Space, Add	11.75	
For Elevated Installation >10' To 15', Add	3.92	
For Elevated Installation >15' To 20', Add	7.83	
For Elevated Installation >20' To 25', Add	9.79	
For Elevated Installation >25' To 30', Add	13.71	
For Elevated Installation >30' To 35', Add	15.66	
For Elevated Installation >35' To 40', Add	19.58	
For Elevated Installation >40', Add	21.54	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0654	EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	72.50	20.14
	<i>For Work In Restricted Working Space, Add</i>	15.11	
	<i>For Elevated Installation >10' To 15', Add</i>	5.04	
	<i>For Elevated Installation >15' To 20', Add</i>	10.07	
	<i>For Elevated Installation >20' To 25', Add</i>	12.59	
	<i>For Elevated Installation >25' To 30', Add</i>	17.62	
	<i>For Elevated Installation >30' To 35', Add</i>	20.14	
	<i>For Elevated Installation >35' To 40', Add</i>	25.18	
	<i>For Elevated Installation >40', Add</i>	27.69	
26 05 33 13-0655	Electrical Metallic Tubing (EMT) Raintight Compression Couplings <small>(26 05 33 13-0599)</small>		
26 05 33 13-0656	EA 1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	8.33	2.69
	<i>For Work In Restricted Working Space, Add</i>	2.02	
	<i>For Elevated Installation >10' To 15', Add</i>	0.67	
	<i>For Elevated Installation >15' To 20', Add</i>	1.34	
	<i>For Elevated Installation >20' To 25', Add</i>	1.68	
	<i>For Elevated Installation >25' To 30', Add</i>	2.35	
	<i>For Elevated Installation >30' To 35', Add</i>	2.69	
	<i>For Elevated Installation >35' To 40', Add</i>	3.36	
	<i>For Elevated Installation >40', Add</i>	3.70	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33 13-0657	EA 3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	9.60	3.13
	<i>For Work In Restricted Working Space, Add</i>	2.35	
	<i>For Elevated Installation >10' To 15', Add</i>	0.78	
	<i>For Elevated Installation >15' To 20', Add</i>	1.57	
	<i>For Elevated Installation >20' To 25', Add</i>	1.96	
	<i>For Elevated Installation >25' To 30', Add</i>	2.74	
	<i>For Elevated Installation >30' To 35', Add</i>	3.13	
	<i>For Elevated Installation >35' To 40', Add</i>	3.92	
	<i>For Elevated Installation >40', Add</i>	4.31	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.35	
26 05 33 13-0658	EA 1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	14.18	4.48
	<i>For Work In Restricted Working Space, Add</i>	3.36	
	<i>For Elevated Installation >10' To 15', Add</i>	1.12	
	<i>For Elevated Installation >15' To 20', Add</i>	2.24	
	<i>For Elevated Installation >20' To 25', Add</i>	2.80	
	<i>For Elevated Installation >25' To 30', Add</i>	3.92	
	<i>For Elevated Installation >30' To 35', Add</i>	4.48	
	<i>For Elevated Installation >35' To 40', Add</i>	5.60	
	<i>For Elevated Installation >40', Add</i>	6.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.36	
26 05 33 13-0659	EA 1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	17.94	5.37
	<i>For Work In Restricted Working Space, Add</i>	4.03	
	<i>For Elevated Installation >10' To 15', Add</i>	1.34	
	<i>For Elevated Installation >15' To 20', Add</i>	2.69	
	<i>For Elevated Installation >20' To 25', Add</i>	3.36	
	<i>For Elevated Installation >25' To 30', Add</i>	4.70	
	<i>For Elevated Installation >30' To 35', Add</i>	5.37	
	<i>For Elevated Installation >35' To 40', Add</i>	6.72	
	<i>For Elevated Installation >40', Add</i>	7.39	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33 13-0660	EA 1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	22.90	6.26
	<i>For Work In Restricted Working Space, Add</i>	4.70	
	<i>For Elevated Installation >10' To 15', Add</i>	1.57	
	<i>For Elevated Installation >15' To 20', Add</i>	3.13	
	<i>For Elevated Installation >20' To 25', Add</i>	3.92	
	<i>For Elevated Installation >25' To 30', Add</i>	5.48	
	<i>For Elevated Installation >30' To 35', Add</i>	6.26	
	<i>For Elevated Installation >35' To 40', Add</i>	7.83	
	<i>For Elevated Installation >40', Add</i>	8.61	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-0661	EA 2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	27.91	7.61
	<i>For Work In Restricted Working Space, Add</i>	5.71	
	<i>For Elevated Installation >10' To 15', Add</i>	1.90	
	<i>For Elevated Installation >15' To 20', Add</i>	3.80	
	<i>For Elevated Installation >20' To 25', Add</i>	4.76	
	<i>For Elevated Installation >25' To 30', Add</i>	6.66	
	<i>For Elevated Installation >30' To 35', Add</i>	7.61	
	<i>For Elevated Installation >35' To 40', Add</i>	9.51	
	<i>For Elevated Installation >40', Add</i>	10.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.71	
26 05 33 13-0662	EA 2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	37.57	10.29
	<i>For Work In Restricted Working Space, Add</i>	7.72	
	<i>For Elevated Installation >10' To 15', Add</i>	2.57	
	<i>For Elevated Installation >15' To 20', Add</i>	5.15	
	<i>For Elevated Installation >20' To 25', Add</i>	6.44	
	<i>For Elevated Installation >25' To 30', Add</i>	9.01	
	<i>For Elevated Installation >30' To 35', Add</i>	10.30	
	<i>For Elevated Installation >35' To 40', Add</i>	12.87	
	<i>For Elevated Installation >40', Add</i>	14.16	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0663 EA 3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	47.40	12.53
For Work In Restricted Working Space, Add	9.40	
For Elevated Installation >10' To 15', Add	3.13	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.83	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.53	
For Elevated Installation >35' To 40', Add	15.67	
For Elevated Installation >40', Add	17.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-0664 EA 3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	62.41	15.66
For Work In Restricted Working Space, Add	11.75	
For Elevated Installation >10' To 15', Add	3.92	
For Elevated Installation >15' To 20', Add	7.83	
For Elevated Installation >20' To 25', Add	9.79	
For Elevated Installation >25' To 30', Add	13.71	
For Elevated Installation >30' To 35', Add	15.66	
For Elevated Installation >35' To 40', Add	19.58	
For Elevated Installation >40', Add	21.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.75	
26 05 33 13-0665 EA 4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	76.34	20.14
For Work In Restricted Working Space, Add	15.11	
For Elevated Installation >10' To 15', Add	5.04	
For Elevated Installation >15' To 20', Add	10.07	
For Elevated Installation >20' To 25', Add	12.59	
For Elevated Installation >25' To 30', Add	17.62	
For Elevated Installation >30' To 35', Add	20.14	
For Elevated Installation >35' To 40', Add	25.18	
For Elevated Installation >40', Add	27.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.11	
26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0599)		
26 05 33 13-0667 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	7.59	3.02
For Work In Restricted Working Space, Add	2.25	
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.50	
For Elevated Installation >20' To 25', Add	1.88	
For Elevated Installation >25' To 30', Add	2.63	
For Elevated Installation >30' To 35', Add	3.00	
For Elevated Installation >35' To 40', Add	3.75	
For Elevated Installation >40', Add	4.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.25	
26 05 33 13-0668 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	8.31	3.24
For Work In Restricted Working Space, Add	2.45	
For Elevated Installation >10' To 15', Add	0.82	
For Elevated Installation >15' To 20', Add	1.63	
For Elevated Installation >20' To 25', Add	2.04	
For Elevated Installation >25' To 30', Add	2.86	
For Elevated Installation >30' To 35', Add	3.27	
For Elevated Installation >35' To 40', Add	4.09	
For Elevated Installation >40', Add	4.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.45	
26 05 33 13-0669 EA 1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	10.41	4.03
For Work In Restricted Working Space, Add	2.99	
For Elevated Installation >10' To 15', Add	1.00	
For Elevated Installation >15' To 20', Add	1.99	
For Elevated Installation >20' To 25', Add	2.49	
For Elevated Installation >25' To 30', Add	3.49	
For Elevated Installation >30' To 35', Add	3.98	
For Elevated Installation >35' To 40', Add	4.98	
For Elevated Installation >40', Add	5.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.99	
26 05 33 13-0670 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	13.31	5.15
For Work In Restricted Working Space, Add	3.83	
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.55	
For Elevated Installation >20' To 25', Add	3.19	
For Elevated Installation >25' To 30', Add	4.47	
For Elevated Installation >30' To 35', Add	5.10	
For Elevated Installation >35' To 40', Add	6.38	
For Elevated Installation >40', Add	7.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-0671 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	15.75	5.93
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.98	
For Elevated Installation >20' To 25', Add	3.72	
For Elevated Installation >25' To 30', Add	5.21	
For Elevated Installation >30' To 35', Add	5.95	
For Elevated Installation >35' To 40', Add	7.44	
For Elevated Installation >40', Add	8.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	19.35	7.16
			<i>For Work In Restricted Working Space, Add</i>	5.37	
			<i>For Elevated Installation >10' To 15', Add</i>	1.79	
			<i>For Elevated Installation >15' To 20', Add</i>	3.58	
			<i>For Elevated Installation >20' To 25', Add</i>	4.48	
			<i>For Elevated Installation >25' To 30', Add</i>	6.27	
			<i>For Elevated Installation >30' To 35', Add</i>	7.16	
			<i>For Elevated Installation >35' To 40', Add</i>	8.95	
			<i>For Elevated Installation >40', Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
26 05 33	13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	27.97	9.96
			<i>For Work In Restricted Working Space, Add</i>	7.45	
			<i>For Elevated Installation >10' To 15', Add</i>	2.48	
			<i>For Elevated Installation >15' To 20', Add</i>	4.97	
			<i>For Elevated Installation >20' To 25', Add</i>	6.21	
			<i>For Elevated Installation >25' To 30', Add</i>	8.69	
			<i>For Elevated Installation >30' To 35', Add</i>	9.93	
			<i>For Elevated Installation >35' To 40', Add</i>	12.42	
			<i>For Elevated Installation >40', Add</i>	13.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.45	
26 05 33	13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	37.10	13.20
			<i>For Work In Restricted Working Space, Add</i>	9.93	
			<i>For Elevated Installation >10' To 15', Add</i>	3.31	
			<i>For Elevated Installation >15' To 20', Add</i>	6.62	
			<i>For Elevated Installation >20' To 25', Add</i>	8.28	
			<i>For Elevated Installation >25' To 30', Add</i>	11.59	
			<i>For Elevated Installation >30' To 35', Add</i>	13.24	
			<i>For Elevated Installation >35' To 40', Add</i>	16.56	
			<i>For Elevated Installation >40', Add</i>	18.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33	13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	47.55	17.00
			<i>For Work In Restricted Working Space, Add</i>	12.79	
			<i>For Elevated Installation >10' To 15', Add</i>	4.26	
			<i>For Elevated Installation >15' To 20', Add</i>	8.53	
			<i>For Elevated Installation >20' To 25', Add</i>	10.66	
			<i>For Elevated Installation >25' To 30', Add</i>	14.92	
			<i>For Elevated Installation >30' To 35', Add</i>	17.05	
			<i>For Elevated Installation >35' To 40', Add</i>	21.32	
			<i>For Elevated Installation >40', Add</i>	23.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.79	
26 05 33	13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	61.42	22.37
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-0677		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw⁽²⁶⁾		
			<small>05 33 13-0599)</small>		
26 05 33	13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.80	2.24
			<i>For Work In Restricted Working Space, Add</i>	1.68	
			<i>For Elevated Installation >10' To 15', Add</i>	0.56	
			<i>For Elevated Installation >15' To 20', Add</i>	1.12	
			<i>For Elevated Installation >20' To 25', Add</i>	1.40	
			<i>For Elevated Installation >25' To 30', Add</i>	1.96	
			<i>For Elevated Installation >30' To 35', Add</i>	2.24	
			<i>For Elevated Installation >35' To 40', Add</i>	2.80	
			<i>For Elevated Installation >40', Add</i>	3.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.68	
26 05 33	13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.06	2.69
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Elevated Installation >10' To 15', Add</i>	0.67	
			<i>For Elevated Installation >15' To 20', Add</i>	1.34	
			<i>For Elevated Installation >20' To 25', Add</i>	1.68	
			<i>For Elevated Installation >25' To 30', Add</i>	2.35	
			<i>For Elevated Installation >30' To 35', Add</i>	2.69	
			<i>For Elevated Installation >35' To 40', Add</i>	3.36	
			<i>For Elevated Installation >40', Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33	13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	8.43	3.13
			<i>For Work In Restricted Working Space, Add</i>	2.35	
			<i>For Elevated Installation >10' To 15', Add</i>	0.78	
			<i>For Elevated Installation >15' To 20', Add</i>	1.57	
			<i>For Elevated Installation >20' To 25', Add</i>	1.96	
			<i>For Elevated Installation >25' To 30', Add</i>	2.74	
			<i>For Elevated Installation >30' To 35', Add</i>	3.13	
			<i>For Elevated Installation >35' To 40', Add</i>	3.92	
			<i>For Elevated Installation >40', Add</i>	4.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0681 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.29	4.48
For Work In Restricted Working Space, Add	3.36	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.80	
For Elevated Installation >25' To 30', Add	3.92	
For Elevated Installation >30' To 35', Add	4.48	
For Elevated Installation >35' To 40', Add	5.60	
For Elevated Installation >40', Add	6.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 33 13-0682 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.03	5.37
For Work In Restricted Working Space, Add	4.03	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.72	
For Elevated Installation >40', Add	7.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-0683 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	19.15	6.72
For Work In Restricted Working Space, Add	5.03	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-0684 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	28.97	8.95
For Work In Restricted Working Space, Add	6.71	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.47	
For Elevated Installation >20' To 25', Add	5.59	
For Elevated Installation >25' To 30', Add	7.83	
For Elevated Installation >30' To 35', Add	8.95	
For Elevated Installation >35' To 40', Add	11.19	
For Elevated Installation >40', Add	12.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.71	
26 05 33 13-0685 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	36.05	11.19
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-0686 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	42.64	13.43
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.75	
For Elevated Installation >30' To 35', Add	13.43	
For Elevated Installation >35' To 40', Add	16.79	
For Elevated Installation >40', Add	18.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 33 13-0687 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	49.66	15.66
For Work In Restricted Working Space, Add	11.75	
For Elevated Installation >10' To 15', Add	3.92	
For Elevated Installation >15' To 20', Add	7.83	
For Elevated Installation >20' To 25', Add	9.79	
For Elevated Installation >25' To 30', Add	13.71	
For Elevated Installation >30' To 35', Add	15.66	
For Elevated Installation >35' To 40', Add	19.58	
For Elevated Installation >40', Add	21.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.75	
26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw		
<small>(26 05 33 13-0599)</small>		
26 05 33 13-0689 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.85	3.02
For Work In Restricted Working Space, Add	2.25	
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.50	
For Elevated Installation >20' To 25', Add	1.88	
For Elevated Installation >25' To 30', Add	2.63	
For Elevated Installation >30' To 35', Add	3.00	
For Elevated Installation >35' To 40', Add	3.75	
For Elevated Installation >40', Add	4.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.25	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.73	3.24
			<i>For Work In Restricted Working Space, Add</i>	2.45	
			<i>For Elevated Installation >10' To 15', Add</i>	0.82	
			<i>For Elevated Installation >15' To 20', Add</i>	1.63	
			<i>For Elevated Installation >20' To 25', Add</i>	2.04	
			<i>For Elevated Installation >25' To 30', Add</i>	2.86	
			<i>For Elevated Installation >30' To 35', Add</i>	3.27	
			<i>For Elevated Installation >35' To 40', Add</i>	4.09	
			<i>For Elevated Installation >40', Add</i>	4.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 05 33	13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.96	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.99	
			<i>For Elevated Installation >10' To 15', Add</i>	1.00	
			<i>For Elevated Installation >15' To 20', Add</i>	1.99	
			<i>For Elevated Installation >20' To 25', Add</i>	2.49	
			<i>For Elevated Installation >25' To 30', Add</i>	3.49	
			<i>For Elevated Installation >30' To 35', Add</i>	3.98	
			<i>For Elevated Installation >35' To 40', Add</i>	4.98	
			<i>For Elevated Installation >40', Add</i>	5.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.99	
26 05 33	13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	14.43	5.15
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Elevated Installation >10' To 15', Add</i>	1.28	
			<i>For Elevated Installation >15' To 20', Add</i>	2.55	
			<i>For Elevated Installation >20' To 25', Add</i>	3.19	
			<i>For Elevated Installation >25' To 30', Add</i>	4.47	
			<i>For Elevated Installation >30' To 35', Add</i>	5.10	
			<i>For Elevated Installation >35' To 40', Add</i>	6.38	
			<i>For Elevated Installation >40', Add</i>	7.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	17.10	5.93
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Elevated Installation >10' To 15', Add</i>	1.49	
			<i>For Elevated Installation >15' To 20', Add</i>	2.98	
			<i>For Elevated Installation >20' To 25', Add</i>	3.72	
			<i>For Elevated Installation >25' To 30', Add</i>	5.21	
			<i>For Elevated Installation >30' To 35', Add</i>	5.95	
			<i>For Elevated Installation >35' To 40', Add</i>	7.44	
			<i>For Elevated Installation >40', Add</i>	8.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33	13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	20.95	7.16
			<i>For Work In Restricted Working Space, Add</i>	5.37	
			<i>For Elevated Installation >10' To 15', Add</i>	1.79	
			<i>For Elevated Installation >15' To 20', Add</i>	3.58	
			<i>For Elevated Installation >20' To 25', Add</i>	4.48	
			<i>For Elevated Installation >25' To 30', Add</i>	6.27	
			<i>For Elevated Installation >30' To 35', Add</i>	7.16	
			<i>For Elevated Installation >35' To 40', Add</i>	8.95	
			<i>For Elevated Installation >40', Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
26 05 33	13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	34.82	9.96
			<i>For Work In Restricted Working Space, Add</i>	7.45	
			<i>For Elevated Installation >10' To 15', Add</i>	2.48	
			<i>For Elevated Installation >15' To 20', Add</i>	4.97	
			<i>For Elevated Installation >20' To 25', Add</i>	6.21	
			<i>For Elevated Installation >25' To 30', Add</i>	8.69	
			<i>For Elevated Installation >30' To 35', Add</i>	9.93	
			<i>For Elevated Installation >35' To 40', Add</i>	12.42	
			<i>For Elevated Installation >40', Add</i>	13.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.45	
26 05 33	13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	45.06	13.20
			<i>For Work In Restricted Working Space, Add</i>	9.93	
			<i>For Elevated Installation >10' To 15', Add</i>	3.31	
			<i>For Elevated Installation >15' To 20', Add</i>	6.62	
			<i>For Elevated Installation >20' To 25', Add</i>	8.28	
			<i>For Elevated Installation >25' To 30', Add</i>	11.59	
			<i>For Elevated Installation >30' To 35', Add</i>	13.24	
			<i>For Elevated Installation >35' To 40', Add</i>	16.56	
			<i>For Elevated Installation >40', Add</i>	18.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33	13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	57.57	17.00
			<i>For Work In Restricted Working Space, Add</i>	12.79	
			<i>For Elevated Installation >10' To 15', Add</i>	4.26	
			<i>For Elevated Installation >15' To 20', Add</i>	8.53	
			<i>For Elevated Installation >20' To 25', Add</i>	10.66	
			<i>For Elevated Installation >25' To 30', Add</i>	14.92	
			<i>For Elevated Installation >30' To 35', Add</i>	17.05	
			<i>For Elevated Installation >35' To 40', Add</i>	21.32	
			<i>For Elevated Installation >40', Add</i>	23.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	72.38	22.37
<i>For Work In Restricted Working Space, Add</i>	16.78	
<i>For Elevated Installation >10' To 15', Add</i>	5.59	
<i>For Elevated Installation >15' To 20', Add</i>	11.19	
<i>For Elevated Installation >20' To 25', Add</i>	13.99	
<i>For Elevated Installation >25' To 30', Add</i>	19.58	
<i>For Elevated Installation >30' To 35', Add</i>	22.38	
<i>For Elevated Installation >35' To 40', Add</i>	27.97	
<i>For Elevated Installation >40', Add</i>	30.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33 13-0699 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0599)</small>		
26 05 33 13-0700 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.06	2.69
<i>For Work In Restricted Working Space, Add</i>	2.02	
<i>For Elevated Installation >10' To 15', Add</i>	0.67	
<i>For Elevated Installation >15' To 20', Add</i>	1.34	
<i>For Elevated Installation >20' To 25', Add</i>	1.68	
<i>For Elevated Installation >25' To 30', Add</i>	2.35	
<i>For Elevated Installation >30' To 35', Add</i>	2.69	
<i>For Elevated Installation >35' To 40', Add</i>	3.36	
<i>For Elevated Installation >40', Add</i>	3.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33 13-0701 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.35	3.13
<i>For Work In Restricted Working Space, Add</i>	2.35	
<i>For Elevated Installation >10' To 15', Add</i>	0.78	
<i>For Elevated Installation >15' To 20', Add</i>	1.57	
<i>For Elevated Installation >20' To 25', Add</i>	1.96	
<i>For Elevated Installation >25' To 30', Add</i>	2.74	
<i>For Elevated Installation >30' To 35', Add</i>	3.13	
<i>For Elevated Installation >35' To 40', Add</i>	3.92	
<i>For Elevated Installation >40', Add</i>	4.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.35	
26 05 33 13-0702 EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	11.93	4.48
<i>For Work In Restricted Working Space, Add</i>	3.36	
<i>For Elevated Installation >10' To 15', Add</i>	1.12	
<i>For Elevated Installation >15' To 20', Add</i>	2.24	
<i>For Elevated Installation >20' To 25', Add</i>	2.80	
<i>For Elevated Installation >25' To 30', Add</i>	3.92	
<i>For Elevated Installation >30' To 35', Add</i>	4.48	
<i>For Elevated Installation >35' To 40', Add</i>	5.60	
<i>For Elevated Installation >40', Add</i>	6.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.36	
26 05 33 13-0703 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	14.82	5.37
<i>For Work In Restricted Working Space, Add</i>	4.03	
<i>For Elevated Installation >10' To 15', Add</i>	1.34	
<i>For Elevated Installation >15' To 20', Add</i>	2.69	
<i>For Elevated Installation >20' To 25', Add</i>	3.36	
<i>For Elevated Installation >25' To 30', Add</i>	4.70	
<i>For Elevated Installation >30' To 35', Add</i>	5.37	
<i>For Elevated Installation >35' To 40', Add</i>	6.72	
<i>For Elevated Installation >40', Add</i>	7.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33 13-0704 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	17.62	6.26
<i>For Work In Restricted Working Space, Add</i>	4.70	
<i>For Elevated Installation >10' To 15', Add</i>	1.57	
<i>For Elevated Installation >15' To 20', Add</i>	3.13	
<i>For Elevated Installation >20' To 25', Add</i>	3.92	
<i>For Elevated Installation >25' To 30', Add</i>	5.48	
<i>For Elevated Installation >30' To 35', Add</i>	6.26	
<i>For Elevated Installation >35' To 40', Add</i>	7.83	
<i>For Elevated Installation >40', Add</i>	8.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-0705 EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	22.98	8.06
<i>For Work In Restricted Working Space, Add</i>	6.04	
<i>For Elevated Installation >10' To 15', Add</i>	2.01	
<i>For Elevated Installation >15' To 20', Add</i>	4.03	
<i>For Elevated Installation >20' To 25', Add</i>	5.04	
<i>For Elevated Installation >25' To 30', Add</i>	7.05	
<i>For Elevated Installation >30' To 35', Add</i>	8.06	
<i>For Elevated Installation >35' To 40', Add</i>	10.07	
<i>For Elevated Installation >40', Add</i>	11.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33 13-0706 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	35.39	10.74
<i>For Work In Restricted Working Space, Add</i>	8.06	
<i>For Elevated Installation >10' To 15', Add</i>	2.69	
<i>For Elevated Installation >15' To 20', Add</i>	5.37	
<i>For Elevated Installation >20' To 25', Add</i>	6.71	
<i>For Elevated Installation >25' To 30', Add</i>	9.40	
<i>For Elevated Installation >30' To 35', Add</i>	10.74	
<i>For Elevated Installation >35' To 40', Add</i>	13.43	
<i>For Elevated Installation >40', Add</i>	14.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.06	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33	13-0707	EA 3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	44.75	13.43
		<i>For Work In Restricted Working Space, Add</i>	10.07	
		<i>For Elevated Installation >10' To 15', Add</i>	3.36	
		<i>For Elevated Installation >15' To 20', Add</i>	6.71	
		<i>For Elevated Installation >20' To 25', Add</i>	8.39	
		<i>For Elevated Installation >25' To 30', Add</i>	11.75	
		<i>For Elevated Installation >30' To 35', Add</i>	13.43	
		<i>For Elevated Installation >35' To 40', Add</i>	16.79	
		<i>For Elevated Installation >40', Add</i>	18.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 33	13-0708	EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	56.38	15.66
		<i>For Work In Restricted Working Space, Add</i>	11.75	
		<i>For Elevated Installation >10' To 15', Add</i>	3.92	
		<i>For Elevated Installation >15' To 20', Add</i>	7.83	
		<i>For Elevated Installation >20' To 25', Add</i>	9.79	
		<i>For Elevated Installation >25' To 30', Add</i>	13.71	
		<i>For Elevated Installation >30' To 35', Add</i>	15.66	
		<i>For Elevated Installation >35' To 40', Add</i>	19.58	
		<i>For Elevated Installation >40', Add</i>	21.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.75	
26 05 33	13-0709	EA 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	63.44	17.90
		<i>For Work In Restricted Working Space, Add</i>	13.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.48	
		<i>For Elevated Installation >15' To 20', Add</i>	8.95	
		<i>For Elevated Installation >20' To 25', Add</i>	11.19	
		<i>For Elevated Installation >25' To 30', Add</i>	15.67	
		<i>For Elevated Installation >30' To 35', Add</i>	17.90	
		<i>For Elevated Installation >35' To 40', Add</i>	22.38	
		<i>For Elevated Installation >40', Add</i>	24.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors <small>(26 05 33 13-0599)</small>				
26 05 33	13-0711	EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.09	3.02
		<i>For Work In Restricted Working Space, Add</i>	2.25	
		<i>For Elevated Installation >10' To 15', Add</i>	0.75	
		<i>For Elevated Installation >15' To 20', Add</i>	1.50	
		<i>For Elevated Installation >20' To 25', Add</i>	1.88	
		<i>For Elevated Installation >25' To 30', Add</i>	2.63	
		<i>For Elevated Installation >30' To 35', Add</i>	3.00	
		<i>For Elevated Installation >35' To 40', Add</i>	3.75	
		<i>For Elevated Installation >40', Add</i>	4.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.25	
26 05 33	13-0712	EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.98	3.24
		<i>For Work In Restricted Working Space, Add</i>	2.45	
		<i>For Elevated Installation >10' To 15', Add</i>	0.82	
		<i>For Elevated Installation >15' To 20', Add</i>	1.63	
		<i>For Elevated Installation >20' To 25', Add</i>	2.04	
		<i>For Elevated Installation >25' To 30', Add</i>	2.86	
		<i>For Elevated Installation >30' To 35', Add</i>	3.27	
		<i>For Elevated Installation >35' To 40', Add</i>	4.09	
		<i>For Elevated Installation >40', Add</i>	4.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.45	
26 05 33	13-0713	EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	11.17	4.03
		<i>For Work In Restricted Working Space, Add</i>	2.99	
		<i>For Elevated Installation >10' To 15', Add</i>	1.00	
		<i>For Elevated Installation >15' To 20', Add</i>	1.99	
		<i>For Elevated Installation >20' To 25', Add</i>	2.49	
		<i>For Elevated Installation >25' To 30', Add</i>	3.49	
		<i>For Elevated Installation >30' To 35', Add</i>	3.98	
		<i>For Elevated Installation >35' To 40', Add</i>	4.98	
		<i>For Elevated Installation >40', Add</i>	5.48	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.99	
26 05 33	13-0714	EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	15.02	5.15
		<i>For Work In Restricted Working Space, Add</i>	3.83	
		<i>For Elevated Installation >10' To 15', Add</i>	1.28	
		<i>For Elevated Installation >15' To 20', Add</i>	2.55	
		<i>For Elevated Installation >20' To 25', Add</i>	3.19	
		<i>For Elevated Installation >25' To 30', Add</i>	4.47	
		<i>For Elevated Installation >30' To 35', Add</i>	5.10	
		<i>For Elevated Installation >35' To 40', Add</i>	6.38	
		<i>For Elevated Installation >40', Add</i>	7.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0715	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	18.08	5.93
		<i>For Work In Restricted Working Space, Add</i>	4.46	
		<i>For Elevated Installation >10' To 15', Add</i>	1.49	
		<i>For Elevated Installation >15' To 20', Add</i>	2.98	
		<i>For Elevated Installation >20' To 25', Add</i>	3.72	
		<i>For Elevated Installation >25' To 30', Add</i>	5.21	
		<i>For Elevated Installation >30' To 35', Add</i>	5.95	
		<i>For Elevated Installation >35' To 40', Add</i>	7.44	
		<i>For Elevated Installation >40', Add</i>	8.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	22.37	7.16
<i>For Work In Restricted Working Space, Add</i>	5.37	
<i>For Elevated Installation >10' To 15', Add</i>	1.79	
<i>For Elevated Installation >15' To 20', Add</i>	3.58	
<i>For Elevated Installation >20' To 25', Add</i>	4.48	
<i>For Elevated Installation >25' To 30', Add</i>	6.27	
<i>For Elevated Installation >30' To 35', Add</i>	7.16	
<i>For Elevated Installation >35' To 40', Add</i>	8.95	
<i>For Elevated Installation >40', Add</i>	9.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
26 05 33 13-0717 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	39.98	9.96
<i>For Work In Restricted Working Space, Add</i>	7.45	
<i>For Elevated Installation >10' To 15', Add</i>	2.48	
<i>For Elevated Installation >15' To 20', Add</i>	4.97	
<i>For Elevated Installation >20' To 25', Add</i>	6.21	
<i>For Elevated Installation >25' To 30', Add</i>	8.69	
<i>For Elevated Installation >30' To 35', Add</i>	9.93	
<i>For Elevated Installation >35' To 40', Add</i>	12.42	
<i>For Elevated Installation >40', Add</i>	13.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.45	
26 05 33 13-0718 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	53.72	13.20
<i>For Work In Restricted Working Space, Add</i>	9.93	
<i>For Elevated Installation >10' To 15', Add</i>	3.31	
<i>For Elevated Installation >15' To 20', Add</i>	6.62	
<i>For Elevated Installation >20' To 25', Add</i>	8.28	
<i>For Elevated Installation >25' To 30', Add</i>	11.59	
<i>For Elevated Installation >30' To 35', Add</i>	13.24	
<i>For Elevated Installation >35' To 40', Add</i>	16.56	
<i>For Elevated Installation >40', Add</i>	18.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33 13-0719 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	72.75	17.00
<i>For Work In Restricted Working Space, Add</i>	12.79	
<i>For Elevated Installation >10' To 15', Add</i>	4.26	
<i>For Elevated Installation >15' To 20', Add</i>	8.53	
<i>For Elevated Installation >20' To 25', Add</i>	10.66	
<i>For Elevated Installation >25' To 30', Add</i>	14.92	
<i>For Elevated Installation >30' To 35', Add</i>	17.05	
<i>For Elevated Installation >35' To 40', Add</i>	21.32	
<i>For Elevated Installation >40', Add</i>	23.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.79	
26 05 33 13-0720 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	91.17	22.37
<i>For Work In Restricted Working Space, Add</i>	16.78	
<i>For Elevated Installation >10' To 15', Add</i>	5.59	
<i>For Elevated Installation >15' To 20', Add</i>	11.19	
<i>For Elevated Installation >20' To 25', Add</i>	13.99	
<i>For Elevated Installation >25' To 30', Add</i>	19.58	
<i>For Elevated Installation >30' To 35', Add</i>	22.38	
<i>For Elevated Installation >35' To 40', Add</i>	27.97	
<i>For Elevated Installation >40', Add</i>	30.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling <small>(26 05 33 13-0599)</small>		
<i>Note: Excludes jumper.</i>		
26 05 33 13-0722 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	61.13	14.88
<i>For Work In Restricted Working Space, Add</i>	11.17	
<i>For Elevated Installation >10' To 15', Add</i>	3.72	
<i>For Elevated Installation >15' To 20', Add</i>	7.45	
<i>For Elevated Installation >20' To 25', Add</i>	9.31	
<i>For Elevated Installation >25' To 30', Add</i>	13.03	
<i>For Elevated Installation >30' To 35', Add</i>	14.90	
<i>For Elevated Installation >35' To 40', Add</i>	18.62	
<i>For Elevated Installation >40', Add</i>	20.48	
26 05 33 13-0723 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	73.64	18.02
<i>For Work In Restricted Working Space, Add</i>	13.54	
<i>For Elevated Installation >10' To 15', Add</i>	4.51	
<i>For Elevated Installation >15' To 20', Add</i>	9.03	
<i>For Elevated Installation >20' To 25', Add</i>	11.29	
<i>For Elevated Installation >25' To 30', Add</i>	15.80	
<i>For Elevated Installation >30' To 35', Add</i>	18.06	
<i>For Elevated Installation >35' To 40', Add</i>	22.57	
<i>For Elevated Installation >40', Add</i>	24.83	
26 05 33 13-0724 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling	90.45	22.61
<i>For Work In Restricted Working Space, Add</i>	16.93	
<i>For Elevated Installation >10' To 15', Add</i>	5.64	
<i>For Elevated Installation >15' To 20', Add</i>	11.28	
<i>For Elevated Installation >20' To 25', Add</i>	14.11	
<i>For Elevated Installation >25' To 30', Add</i>	19.75	
<i>For Elevated Installation >30' To 35', Add</i>	22.57	
<i>For Elevated Installation >35' To 40', Add</i>	28.21	
<i>For Elevated Installation >40', Add</i>	31.03	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	117.08	27.74
			<i>For Work In Restricted Working Space, Add</i>	20.82	
			<i>For Elevated Installation >10' To 15', Add</i>	6.94	
			<i>For Elevated Installation >15' To 20', Add</i>	13.88	
			<i>For Elevated Installation >20' To 25', Add</i>	17.35	
			<i>For Elevated Installation >25' To 30', Add</i>	24.29	
			<i>For Elevated Installation >30' To 35', Add</i>	27.76	
			<i>For Elevated Installation >35' To 40', Add</i>	34.71	
			<i>For Elevated Installation >40', Add</i>	38.18	
26 05 33	13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	145.64	32.56
			<i>For Work In Restricted Working Space, Add</i>	24.42	
			<i>For Elevated Installation >10' To 15', Add</i>	8.14	
			<i>For Elevated Installation >15' To 20', Add</i>	16.28	
			<i>For Elevated Installation >20' To 25', Add</i>	20.35	
			<i>For Elevated Installation >25' To 30', Add</i>	28.49	
			<i>For Elevated Installation >30' To 35', Add</i>	32.56	
			<i>For Elevated Installation >35' To 40', Add</i>	40.70	
			<i>For Elevated Installation >40', Add</i>	44.77	
26 05 33	13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	182.65	39.61
			<i>For Work In Restricted Working Space, Add</i>	29.73	
			<i>For Elevated Installation >10' To 15', Add</i>	9.91	
			<i>For Elevated Installation >15' To 20', Add</i>	19.82	
			<i>For Elevated Installation >20' To 25', Add</i>	24.78	
			<i>For Elevated Installation >25' To 30', Add</i>	34.69	
			<i>For Elevated Installation >30' To 35', Add</i>	39.64	
			<i>For Elevated Installation >35' To 40', Add</i>	49.56	
			<i>For Elevated Installation >40', Add</i>	54.51	
26 05 33	13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	350.90	50.91
			<i>For Work In Restricted Working Space, Add</i>	38.19	
			<i>For Elevated Installation >10' To 15', Add</i>	12.73	
			<i>For Elevated Installation >15' To 20', Add</i>	25.46	
			<i>For Elevated Installation >20' To 25', Add</i>	31.83	
			<i>For Elevated Installation >25' To 30', Add</i>	44.56	
			<i>For Elevated Installation >30' To 35', Add</i>	50.92	
			<i>For Elevated Installation >35' To 40', Add</i>	63.65	
			<i>For Elevated Installation >40', Add</i>	70.02	
26 05 33	13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	429.43	59.52
			<i>For Work In Restricted Working Space, Add</i>	44.66	
			<i>For Elevated Installation >10' To 15', Add</i>	14.89	
			<i>For Elevated Installation >15' To 20', Add</i>	29.77	
			<i>For Elevated Installation >20' To 25', Add</i>	37.21	
			<i>For Elevated Installation >25' To 30', Add</i>	52.10	
			<i>For Elevated Installation >30' To 35', Add</i>	59.54	
			<i>For Elevated Installation >35' To 40', Add</i>	74.43	
			<i>For Elevated Installation >40', Add</i>	81.87	
26 05 33	13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	528.15	64.89
			<i>For Work In Restricted Working Space, Add</i>	48.68	
			<i>For Elevated Installation >10' To 15', Add</i>	16.23	
			<i>For Elevated Installation >15' To 20', Add</i>	32.46	
			<i>For Elevated Installation >20' To 25', Add</i>	40.57	
			<i>For Elevated Installation >25' To 30', Add</i>	56.80	
			<i>For Elevated Installation >30' To 35', Add</i>	64.91	
			<i>For Elevated Installation >35' To 40', Add</i>	81.14	
			<i>For Elevated Installation >40', Add</i>	89.25	
26 05 33	13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	571.53	71.61
			<i>For Work In Restricted Working Space, Add</i>	53.72	
			<i>For Elevated Installation >10' To 15', Add</i>	17.91	
			<i>For Elevated Installation >15' To 20', Add</i>	35.82	
			<i>For Elevated Installation >20' To 25', Add</i>	44.77	
			<i>For Elevated Installation >25' To 30', Add</i>	62.68	
			<i>For Elevated Installation >30' To 35', Add</i>	71.63	
			<i>For Elevated Installation >35' To 40', Add</i>	89.54	
			<i>For Elevated Installation >40', Add</i>	98.49	
26 05 33	13-0732		Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters		
			<small>(26 05 33 13-0599)</small>		
26 05 33	13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.38	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.98	
			<i>For Elevated Installation >10' To 15', Add</i>	0.99	
			<i>For Elevated Installation >15' To 20', Add</i>	1.99	
			<i>For Elevated Installation >20' To 25', Add</i>	2.49	
			<i>For Elevated Installation >25' To 30', Add</i>	3.48	
			<i>For Elevated Installation >30' To 35', Add</i>	3.98	
			<i>For Elevated Installation >35' To 40', Add</i>	4.97	
			<i>For Elevated Installation >40', Add</i>	5.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.98	
26 05 33	13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.16	4.03
			<i>For Work In Restricted Working Space, Add</i>	2.98	
			<i>For Elevated Installation >10' To 15', Add</i>	0.99	
			<i>For Elevated Installation >15' To 20', Add</i>	1.99	
			<i>For Elevated Installation >20' To 25', Add</i>	2.49	
			<i>For Elevated Installation >25' To 30', Add</i>	3.48	
			<i>For Elevated Installation >30' To 35', Add</i>	3.98	
			<i>For Elevated Installation >35' To 40', Add</i>	4.97	
			<i>For Elevated Installation >40', Add</i>	5.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0735 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	13.59	4.37
For Work In Restricted Working Space, Add	3.31	
For Elevated Installation >10' To 15', Add	1.10	
For Elevated Installation >15' To 20', Add	2.21	
For Elevated Installation >20' To 25', Add	2.76	
For Elevated Installation >25' To 30', Add	3.86	
For Elevated Installation >30' To 35', Add	4.42	
For Elevated Installation >35' To 40', Add	5.52	
For Elevated Installation >40', Add	6.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.31	
26 05 33 13-0736 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	15.84	5.04
For Work In Restricted Working Space, Add	3.77	
For Elevated Installation >10' To 15', Add	1.26	
For Elevated Installation >15' To 20', Add	2.51	
For Elevated Installation >20' To 25', Add	3.14	
For Elevated Installation >25' To 30', Add	4.40	
For Elevated Installation >30' To 35', Add	5.03	
For Elevated Installation >35' To 40', Add	6.29	
For Elevated Installation >40', Add	6.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.77	
26 05 33 13-0737 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	22.62	6.04
For Work In Restricted Working Space, Add	4.56	
For Elevated Installation >10' To 15', Add	1.52	
For Elevated Installation >15' To 20', Add	3.04	
For Elevated Installation >20' To 25', Add	3.80	
For Elevated Installation >25' To 30', Add	5.32	
For Elevated Installation >30' To 35', Add	6.08	
For Elevated Installation >35' To 40', Add	7.60	
For Elevated Installation >40', Add	8.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.56	
26 05 33 13-0738 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	27.69	6.94
For Work In Restricted Working Space, Add	5.21	
For Elevated Installation >10' To 15', Add	1.74	
For Elevated Installation >15' To 20', Add	3.47	
For Elevated Installation >20' To 25', Add	4.34	
For Elevated Installation >25' To 30', Add	6.08	
For Elevated Installation >30' To 35', Add	6.95	
For Elevated Installation >35' To 40', Add	8.69	
For Elevated Installation >40', Add	9.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.21	
26 05 33 13-0739 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	36.09	8.72
For Work In Restricted Working Space, Add	6.51	
For Elevated Installation >10' To 15', Add	2.17	
For Elevated Installation >15' To 20', Add	4.34	
For Elevated Installation >20' To 25', Add	5.43	
For Elevated Installation >25' To 30', Add	7.60	
For Elevated Installation >30' To 35', Add	8.68	
For Elevated Installation >35' To 40', Add	10.85	
For Elevated Installation >40', Add	11.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.51	
26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows (26 05 33 13-0599)		
26 05 33 13-0741 EA 1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	23.88	10.07
For Work In Restricted Working Space, Add	6.04	
For Elevated Installation >15' To 20', Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 33 13-0742 EA 3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	27.85	11.74
For Work In Restricted Working Space, Add	7.05	
For Elevated Installation >15' To 20', Add	4.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.05	
26 05 33 13-0743 EA 1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	34.61	13.43
For Work In Restricted Working Space, Add	8.06	
For Elevated Installation >15' To 20', Add	5.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 33 13-0744 EA 1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws.....	44.25	16.78
For Work In Restricted Working Space, Add	10.07	
For Elevated Installation >15' To 20', Add	6.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 33 13-0745 Intermediate Metal Conduit (IMC) (26 05 33 13-0059)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit (26 05 33 13-0745)		
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	8.40	2.24
			<i>For >250 To 500, Deduct</i>	-0.13	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000, Deduct</i>	-0.26	
			<i>For Installation In Metal Stud Wall, Add</i>	0.58	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.46	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	1.75	
			<i>For Elevated Installation >10' To 15', Add</i>	0.58	
			<i>For Elevated Installation >15' To 20', Add</i>	1.16	
			<i>For Elevated Installation >20' To 25', Add</i>	1.46	
			<i>For Elevated Installation >25' To 30', Add</i>	2.04	
			<i>For Elevated Installation >30' To 35', Add</i>	2.33	
			<i>For Elevated Installation >35' To 40', Add</i>	2.91	
			<i>For Elevated Installation >40', Add</i>	3.20	
26 05 33	13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	10.02	2.46
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.23	
			<i>For >1,000, Deduct</i>	-0.31	
			<i>For Installation In Metal Stud Wall, Add</i>	0.69	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.74	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Elevated Installation >10' To 15', Add</i>	0.69	
			<i>For Elevated Installation >15' To 20', Add</i>	1.39	
			<i>For Elevated Installation >20' To 25', Add</i>	1.74	
			<i>For Elevated Installation >25' To 30', Add</i>	2.43	
			<i>For Elevated Installation >30' To 35', Add</i>	2.78	
			<i>For Elevated Installation >35' To 40', Add</i>	3.47	
			<i>For Elevated Installation >40', Add</i>	3.82	
26 05 33	13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	13.47	2.69
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000, Deduct</i>	-0.48	
			<i>For Installation In Metal Stud Wall, Add</i>	0.87	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.18	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Elevated Installation >10' To 15', Add</i>	0.87	
			<i>For Elevated Installation >15' To 20', Add</i>	1.74	
			<i>For Elevated Installation >20' To 25', Add</i>	2.18	
			<i>For Elevated Installation >25' To 30', Add</i>	3.05	
			<i>For Elevated Installation >30' To 35', Add</i>	3.49	
			<i>For Elevated Installation >35' To 40', Add</i>	4.36	
			<i>For Elevated Installation >40', Add</i>	4.80	
26 05 33	13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	15.65	5.37
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000, Deduct</i>	-0.60	
			<i>For Installation In Metal Stud Wall, Add</i>	0.96	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.41	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.44	
			<i>For Work In Restricted Working Space, Add</i>	2.89	
			<i>For Elevated Installation >10' To 15', Add</i>	0.96	
			<i>For Elevated Installation >15' To 20', Add</i>	1.93	
			<i>For Elevated Installation >20' To 25', Add</i>	2.41	
			<i>For Elevated Installation >25' To 30', Add</i>	3.37	
			<i>For Elevated Installation >30' To 35', Add</i>	3.85	
			<i>For Elevated Installation >35' To 40', Add</i>	4.82	
			<i>For Elevated Installation >40', Add</i>	5.30	
26 05 33	13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	17.62	3.58
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000, Deduct</i>	-0.71	
			<i>For Installation In Metal Stud Wall, Add</i>	1.05	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.63	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Elevated Installation >10' To 15', Add</i>	1.05	
			<i>For Elevated Installation >15' To 20', Add</i>	2.10	
			<i>For Elevated Installation >20' To 25', Add</i>	2.63	
			<i>For Elevated Installation >25' To 30', Add</i>	3.68	
			<i>For Elevated Installation >30' To 35', Add</i>	4.21	
			<i>For Elevated Installation >35' To 40', Add</i>	5.26	
			<i>For Elevated Installation >40', Add</i>	5.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752 LF 2" Intermediate Metal Conduit (IMC) Conduit	22.40	4.03
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.96	
For Installation In Metal Stud Wall, Add	1.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.19	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.91	
For Work In Restricted Working Space, Add	3.83	
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.55	
For Elevated Installation >20' To 25', Add	3.19	
For Elevated Installation >25' To 30', Add	4.47	
For Elevated Installation >30' To 35', Add	5.10	
For Elevated Installation >35' To 40', Add	6.38	
For Elevated Installation >40', Add	7.02	
26 05 33 13-0753 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit	38.24	5.37
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.14	
For Installation In Metal Stud Wall, Add	1.69	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.22	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.53	
For Work In Restricted Working Space, Add	5.07	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.38	
For Elevated Installation >20' To 25', Add	4.22	
For Elevated Installation >25' To 30', Add	5.91	
For Elevated Installation >30' To 35', Add	6.76	
For Elevated Installation >35' To 40', Add	8.45	
For Elevated Installation >40', Add	9.29	
26 05 33 13-0754 LF 3" Intermediate Metal Conduit (IMC) Conduit	48.66	6.72
For >250 To 500, Deduct	-1.31	
For >500 To 1,000, Deduct	-1.97	
For >1,000, Deduct	-2.63	
For Installation In Metal Stud Wall, Add	2.24	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.59	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.36	
For Work In Restricted Working Space, Add	6.71	
For Elevated Installation >10' To 15', Add	2.24	
For Elevated Installation >15' To 20', Add	4.47	
For Elevated Installation >20' To 25', Add	5.59	
For Elevated Installation >25' To 30', Add	7.83	
For Elevated Installation >30' To 35', Add	8.95	
For Elevated Installation >35' To 40', Add	11.19	
For Elevated Installation >40', Add	12.30	
26 05 33 13-0755 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	56.08	8.06
For >250 To 500, Deduct	-1.52	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.05	
For Installation In Metal Stud Wall, Add	2.56	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.41	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.84	
For Work In Restricted Working Space, Add	7.69	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.13	
For Elevated Installation >20' To 25', Add	6.41	
For Elevated Installation >25' To 30', Add	8.97	
For Elevated Installation >30' To 35', Add	10.25	
For Elevated Installation >35' To 40', Add	12.82	
For Elevated Installation >40', Add	14.10	
26 05 33 13-0756 LF 4" Intermediate Metal Conduit (IMC) Conduit	65.70	9.40
For >250 To 500, Deduct	-1.79	
For >500 To 1,000, Deduct	-2.69	
For >1,000, Deduct	-3.58	
For Installation In Metal Stud Wall, Add	2.99	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.47	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.48	
For Work In Restricted Working Space, Add	8.96	
For Elevated Installation >10' To 15', Add	2.99	
For Elevated Installation >15' To 20', Add	5.97	
For Elevated Installation >20' To 25', Add	7.47	
For Elevated Installation >25' To 30', Add	10.45	
For Elevated Installation >30' To 35', Add	11.95	
For Elevated Installation >35' To 40', Add	14.94	
For Elevated Installation >40', Add	16.43	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0745)
 See CSI section 26 05 33 13-2319 for conduit field bending.

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	40.06	11.07
			<i>For Work In Restricted Working Space, Add</i>	8.33	
			<i>For Elevated Installation >10' To 15', Add</i>	2.78	
			<i>For Elevated Installation >15' To 20', Add</i>	5.56	
			<i>For Elevated Installation >20' To 25', Add</i>	6.95	
			<i>For Elevated Installation >25' To 30', Add</i>	9.72	
			<i>For Elevated Installation >30' To 35', Add</i>	11.11	
			<i>For Elevated Installation >35' To 40', Add</i>	13.89	
			<i>For Elevated Installation >40', Add</i>	15.28	
26 05 33	13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	48.32	13.76
			<i>For Work In Restricted Working Space, Add</i>	10.36	
			<i>For Elevated Installation >10' To 15', Add</i>	3.45	
			<i>For Elevated Installation >15' To 20', Add</i>	6.91	
			<i>For Elevated Installation >20' To 25', Add</i>	8.64	
			<i>For Elevated Installation >25' To 30', Add</i>	12.09	
			<i>For Elevated Installation >30' To 35', Add</i>	13.82	
			<i>For Elevated Installation >35' To 40', Add</i>	17.27	
			<i>For Elevated Installation >40', Add</i>	19.00	
26 05 33	13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	61.71	16.89
			<i>For Work In Restricted Working Space, Add</i>	12.64	
			<i>For Elevated Installation >10' To 15', Add</i>	4.21	
			<i>For Elevated Installation >15' To 20', Add</i>	8.42	
			<i>For Elevated Installation >20' To 25', Add</i>	10.53	
			<i>For Elevated Installation >25' To 30', Add</i>	14.74	
			<i>For Elevated Installation >30' To 35', Add</i>	16.85	
			<i>For Elevated Installation >35' To 40', Add</i>	21.06	
			<i>For Elevated Installation >40', Add</i>	23.17	
26 05 33	13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	76.38	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Elevated Installation >10' To 15', Add</i>	4.89	
			<i>For Elevated Installation >15' To 20', Add</i>	9.78	
			<i>For Elevated Installation >20' To 25', Add</i>	12.23	
			<i>For Elevated Installation >25' To 30', Add</i>	17.12	
			<i>For Elevated Installation >30' To 35', Add</i>	19.56	
			<i>For Elevated Installation >35' To 40', Add</i>	24.46	
			<i>For Elevated Installation >40', Add</i>	26.90	
26 05 33	13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	90.87	22.48
			<i>For Work In Restricted Working Space, Add</i>	16.84	
			<i>For Elevated Installation >10' To 15', Add</i>	5.61	
			<i>For Elevated Installation >15' To 20', Add</i>	11.23	
			<i>For Elevated Installation >20' To 25', Add</i>	14.03	
			<i>For Elevated Installation >25' To 30', Add</i>	19.65	
			<i>For Elevated Installation >30' To 35', Add</i>	22.45	
			<i>For Elevated Installation >35' To 40', Add</i>	28.07	
			<i>For Elevated Installation >40', Add</i>	30.87	
26 05 33	13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	111.76	24.72
			<i>For Work In Restricted Working Space, Add</i>	18.53	
			<i>For Elevated Installation >10' To 15', Add</i>	6.18	
			<i>For Elevated Installation >15' To 20', Add</i>	12.35	
			<i>For Elevated Installation >20' To 25', Add</i>	15.44	
			<i>For Elevated Installation >25' To 30', Add</i>	21.61	
			<i>For Elevated Installation >30' To 35', Add</i>	24.70	
			<i>For Elevated Installation >35' To 40', Add</i>	30.88	
			<i>For Elevated Installation >40', Add</i>	33.96	
26 05 33	13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	162.11	30.88
			<i>For Work In Restricted Working Space, Add</i>	23.16	
			<i>For Elevated Installation >10' To 15', Add</i>	7.72	
			<i>For Elevated Installation >15' To 20', Add</i>	15.44	
			<i>For Elevated Installation >20' To 25', Add</i>	19.30	
			<i>For Elevated Installation >25' To 30', Add</i>	27.02	
			<i>For Elevated Installation >30' To 35', Add</i>	30.88	
			<i>For Elevated Installation >35' To 40', Add</i>	38.60	
			<i>For Elevated Installation >40', Add</i>	42.46	
26 05 33	13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	235.17	42.07
			<i>For Work In Restricted Working Space, Add</i>	31.55	
			<i>For Elevated Installation >10' To 15', Add</i>	10.52	
			<i>For Elevated Installation >15' To 20', Add</i>	21.03	
			<i>For Elevated Installation >20' To 25', Add</i>	26.29	
			<i>For Elevated Installation >25' To 30', Add</i>	36.81	
			<i>For Elevated Installation >30' To 35', Add</i>	42.07	
			<i>For Elevated Installation >35' To 40', Add</i>	52.59	
			<i>For Elevated Installation >40', Add</i>	57.84	
26 05 33	13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	348.11	47.44
			<i>For Work In Restricted Working Space, Add</i>	35.59	
			<i>For Elevated Installation >10' To 15', Add</i>	11.86	
			<i>For Elevated Installation >15' To 20', Add</i>	23.72	
			<i>For Elevated Installation >20' To 25', Add</i>	29.66	
			<i>For Elevated Installation >25' To 30', Add</i>	41.52	
			<i>For Elevated Installation >30' To 35', Add</i>	47.45	
			<i>For Elevated Installation >35' To 40', Add</i>	59.31	
			<i>For Elevated Installation >40', Add</i>	65.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	420.59	61.76
<i>For Work In Restricted Working Space, Add</i>	46.31	
<i>For Elevated Installation >10' To 15', Add</i>	15.44	
<i>For Elevated Installation >15' To 20', Add</i>	30.87	
<i>For Elevated Installation >20' To 25', Add</i>	38.59	
<i>For Elevated Installation >25' To 30', Add</i>	54.03	
<i>For Elevated Installation >30' To 35', Add</i>	61.75	
<i>For Elevated Installation >35' To 40', Add</i>	77.19	
<i>For Elevated Installation >40', Add</i>	84.90	
26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0745)</small>		
26 05 33 13-0769 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.39	5.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-0770 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.23	0.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0771 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	23.68	8.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-0772 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	28.97	10.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 05 33 13-0773 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	32.58	11.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-0774 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	42.27	13.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-0775 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	79.61	22.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33 13-0776 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	97.14	30.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.83	
26 05 33 13-0777 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	128.68	36.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.19	
26 05 33 13-0778 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	152.24	42.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.55	
26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0745)</small>		
Note: 3-Piece coupling.		
26 05 33 13-0780 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	51.39	17.90
<i>For Work In Restricted Working Space, Add</i>	13.44	
<i>For Elevated Installation >10' To 15', Add</i>	4.48	
<i>For Elevated Installation >15' To 20', Add</i>	8.96	
<i>For Elevated Installation >20' To 25', Add</i>	11.20	
<i>For Elevated Installation >25' To 30', Add</i>	15.68	
<i>For Elevated Installation >30' To 35', Add</i>	17.92	
<i>For Elevated Installation >35' To 40', Add</i>	22.41	
<i>For Elevated Installation >40', Add</i>	24.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.44	
26 05 33 13-0781 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	58.49	20.03
<i>For Work In Restricted Working Space, Add</i>	15.00	
<i>For Elevated Installation >10' To 15', Add</i>	5.00	
<i>For Elevated Installation >15' To 20', Add</i>	10.00	
<i>For Elevated Installation >20' To 25', Add</i>	12.50	
<i>For Elevated Installation >25' To 30', Add</i>	17.50	
<i>For Elevated Installation >30' To 35', Add</i>	20.00	
<i>For Elevated Installation >35' To 40', Add</i>	25.01	
<i>For Elevated Installation >40', Add</i>	27.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.00	
26 05 33 13-0782 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	72.06	22.26
<i>For Work In Restricted Working Space, Add</i>	16.71	
<i>For Elevated Installation >10' To 15', Add</i>	5.57	
<i>For Elevated Installation >15' To 20', Add</i>	11.14	
<i>For Elevated Installation >20' To 25', Add</i>	13.93	
<i>For Elevated Installation >25' To 30', Add</i>	19.50	
<i>For Elevated Installation >30' To 35', Add</i>	22.28	
<i>For Elevated Installation >35' To 40', Add</i>	27.85	
<i>For Elevated Installation >40', Add</i>	30.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.71	
26 05 33 13-0783 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	91.06	24.39
<i>For Work In Restricted Working Space, Add</i>	18.29	
<i>For Elevated Installation >10' To 15', Add</i>	6.10	
<i>For Elevated Installation >15' To 20', Add</i>	12.19	
<i>For Elevated Installation >20' To 25', Add</i>	15.24	
<i>For Elevated Installation >25' To 30', Add</i>	21.34	
<i>For Elevated Installation >30' To 35', Add</i>	24.38	
<i>For Elevated Installation >35' To 40', Add</i>	30.48	
<i>For Elevated Installation >40', Add</i>	33.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.29	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	104.46	26.63
			<i>For Work In Restricted Working Space, Add</i>	20.01	
			<i>For Elevated Installation >10' To 15', Add</i>	6.67	
			<i>For Elevated Installation >15' To 20', Add</i>	13.34	
			<i>For Elevated Installation >20' To 25', Add</i>	16.67	
			<i>For Elevated Installation >25' To 30', Add</i>	23.34	
			<i>For Elevated Installation >30' To 35', Add</i>	26.68	
			<i>For Elevated Installation >35' To 40', Add</i>	33.35	
			<i>For Elevated Installation >40', Add</i>	36.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.01	
26 05 33	13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	147.76	28.87
			<i>For Work In Restricted Working Space, Add</i>	21.67	
			<i>For Elevated Installation >10' To 15', Add</i>	7.22	
			<i>For Elevated Installation >15' To 20', Add</i>	14.44	
			<i>For Elevated Installation >20' To 25', Add</i>	18.06	
			<i>For Elevated Installation >25' To 30', Add</i>	25.28	
			<i>For Elevated Installation >30' To 35', Add</i>	28.89	
			<i>For Elevated Installation >35' To 40', Add</i>	36.11	
			<i>For Elevated Installation >40', Add</i>	39.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.67	
26 05 33	13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	251.10	35.81
			<i>For Work In Restricted Working Space, Add</i>	26.85	
			<i>For Elevated Installation >10' To 15', Add</i>	8.95	
			<i>For Elevated Installation >15' To 20', Add</i>	17.90	
			<i>For Elevated Installation >20' To 25', Add</i>	22.38	
			<i>For Elevated Installation >25' To 30', Add</i>	31.33	
			<i>For Elevated Installation >30' To 35', Add</i>	35.80	
			<i>For Elevated Installation >35' To 40', Add</i>	44.76	
			<i>For Elevated Installation >40', Add</i>	49.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.85	
26 05 33	13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	358.30	44.76
			<i>For Work In Restricted Working Space, Add</i>	33.56	
			<i>For Elevated Installation >10' To 15', Add</i>	11.19	
			<i>For Elevated Installation >15' To 20', Add</i>	22.38	
			<i>For Elevated Installation >20' To 25', Add</i>	27.97	
			<i>For Elevated Installation >25' To 30', Add</i>	39.16	
			<i>For Elevated Installation >30' To 35', Add</i>	44.75	
			<i>For Elevated Installation >35' To 40', Add</i>	55.94	
			<i>For Elevated Installation >40', Add</i>	61.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.56	
26 05 33	13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	530.20	53.70
			<i>For Work In Restricted Working Space, Add</i>	40.29	
			<i>For Elevated Installation >10' To 15', Add</i>	13.43	
			<i>For Elevated Installation >15' To 20', Add</i>	26.86	
			<i>For Elevated Installation >20' To 25', Add</i>	33.58	
			<i>For Elevated Installation >25' To 30', Add</i>	47.01	
			<i>For Elevated Installation >30' To 35', Add</i>	53.72	
			<i>For Elevated Installation >35' To 40', Add</i>	67.16	
			<i>For Elevated Installation >40', Add</i>	73.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.29	
26 05 33	13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	614.05	58.18
			<i>For Work In Restricted Working Space, Add</i>	43.63	
			<i>For Elevated Installation >10' To 15', Add</i>	14.54	
			<i>For Elevated Installation >15' To 20', Add</i>	29.09	
			<i>For Elevated Installation >20' To 25', Add</i>	36.36	
			<i>For Elevated Installation >25' To 30', Add</i>	50.90	
			<i>For Elevated Installation >30' To 35', Add</i>	58.18	
			<i>For Elevated Installation >35' To 40', Add</i>	72.72	
			<i>For Elevated Installation >40', Add</i>	79.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.63	
26 05 33	13-0790		Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0745)</small>		
26 05 33	13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	29.54	8.95
			<i>For Work In Restricted Working Space, Add</i>	6.71	
			<i>For Elevated Installation >10' To 15', Add</i>	2.24	
			<i>For Elevated Installation >15' To 20', Add</i>	4.47	
			<i>For Elevated Installation >20' To 25', Add</i>	5.59	
			<i>For Elevated Installation >25' To 30', Add</i>	7.83	
			<i>For Elevated Installation >30' To 35', Add</i>	8.95	
			<i>For Elevated Installation >35' To 40', Add</i>	11.19	
			<i>For Elevated Installation >40', Add</i>	12.30	
26 05 33	13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	33.09	9.85
			<i>For Work In Restricted Working Space, Add</i>	7.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.92	
			<i>For Elevated Installation >20' To 25', Add</i>	6.15	
			<i>For Elevated Installation >25' To 30', Add</i>	8.61	
			<i>For Elevated Installation >30' To 35', Add</i>	9.84	
			<i>For Elevated Installation >35' To 40', Add</i>	12.31	
			<i>For Elevated Installation >40', Add</i>	13.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	38.08 8.39 2.80 5.60 7.00 9.79 11.19 13.99 15.39	11.19
26 05 33 13-0794 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	43.53 9.06 3.02 6.04 7.55 10.57 12.08 15.10 16.61	12.09
26 05 33 13-0795 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	52.15 10.07 3.36 6.71 8.39 11.75 13.43 16.79 18.46	13.43
26 05 33 13-0796 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	64.40 11.08 3.69 7.39 9.23 12.93 14.77 18.47 20.31	14.77
26 05 33 13-0797 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	88.79 13.43 4.48 8.95 11.19 15.67 17.90 22.38 24.62	17.90
26 05 33 13-0798 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	109.67 16.78 5.59 11.19 13.99 19.58 22.38 27.97 30.77	22.37
26 05 33 13-0799 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	131.77 20.14 6.71 13.43 16.78 23.50 26.85 33.57 36.92	26.85
26 05 33 13-0800 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	149.47 21.82 7.27 14.54 18.18 25.45 29.09 36.36 40.00	29.09

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0745)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	25.37	8.95
			<i>For Work In Restricted Working Space, Add</i>	6.71	
			<i>For Elevated Installation >10' To 15', Add</i>	2.24	
			<i>For Elevated Installation >15' To 20', Add</i>	4.48	
			<i>For Elevated Installation >20' To 25', Add</i>	5.60	
			<i>For Elevated Installation >25' To 30', Add</i>	7.83	
			<i>For Elevated Installation >30' To 35', Add</i>	8.95	
			<i>For Elevated Installation >35' To 40', Add</i>	11.19	
			<i>For Elevated Installation >40', Add</i>	12.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	
26 05 33	13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	32.45	11.19
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.59	
			<i>For Elevated Installation >20' To 25', Add</i>	6.99	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33	13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	40.20	13.43
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Elevated Installation >10' To 15', Add</i>	3.36	
			<i>For Elevated Installation >15' To 20', Add</i>	6.71	
			<i>For Elevated Installation >20' To 25', Add</i>	8.39	
			<i>For Elevated Installation >25' To 30', Add</i>	11.75	
			<i>For Elevated Installation >30' To 35', Add</i>	13.43	
			<i>For Elevated Installation >35' To 40', Add</i>	16.79	
			<i>For Elevated Installation >40', Add</i>	18.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 33	13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	48.54	15.66
			<i>For Work In Restricted Working Space, Add</i>	11.75	
			<i>For Elevated Installation >10' To 15', Add</i>	3.92	
			<i>For Elevated Installation >15' To 20', Add</i>	7.83	
			<i>For Elevated Installation >20' To 25', Add</i>	9.79	
			<i>For Elevated Installation >25' To 30', Add</i>	13.71	
			<i>For Elevated Installation >30' To 35', Add</i>	15.67	
			<i>For Elevated Installation >35' To 40', Add</i>	19.59	
			<i>For Elevated Installation >40', Add</i>	21.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.75	
26 05 33	13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	56.83	17.90
			<i>For Work In Restricted Working Space, Add</i>	13.43	
			<i>For Elevated Installation >10' To 15', Add</i>	4.48	
			<i>For Elevated Installation >15' To 20', Add</i>	8.95	
			<i>For Elevated Installation >20' To 25', Add</i>	11.19	
			<i>For Elevated Installation >25' To 30', Add</i>	15.66	
			<i>For Elevated Installation >30' To 35', Add</i>	17.90	
			<i>For Elevated Installation >35' To 40', Add</i>	22.38	
			<i>For Elevated Installation >40', Add</i>	24.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 05 33	13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	67.79	20.14
			<i>For Work In Restricted Working Space, Add</i>	15.10	
			<i>For Elevated Installation >10' To 15', Add</i>	5.03	
			<i>For Elevated Installation >15' To 20', Add</i>	10.07	
			<i>For Elevated Installation >20' To 25', Add</i>	12.59	
			<i>For Elevated Installation >25' To 30', Add</i>	17.62	
			<i>For Elevated Installation >30' To 35', Add</i>	20.14	
			<i>For Elevated Installation >35' To 40', Add</i>	25.17	
			<i>For Elevated Installation >40', Add</i>	27.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.10	
26 05 33	13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	85.19	22.37
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	100.92	24.61
			<i>For Work In Restricted Working Space, Add</i>	18.46	
			<i>For Elevated Installation >10' To 15', Add</i>	6.15	
			<i>For Elevated Installation >15' To 20', Add</i>	12.31	
			<i>For Elevated Installation >20' To 25', Add</i>	15.38	
			<i>For Elevated Installation >25' To 30', Add</i>	21.54	
			<i>For Elevated Installation >30' To 35', Add</i>	24.61	
			<i>For Elevated Installation >35' To 40', Add</i>	30.77	
			<i>For Elevated Installation >40', Add</i>	33.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	123.78	29.09
<i>For Work In Restricted Working Space, Add</i>	21.82	
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.82	
26 05 33 13-0811 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	142.74	31.33
<i>For Work In Restricted Working Space, Add</i>	23.49	
<i>For Elevated Installation >10' To 15', Add</i>	7.83	
<i>For Elevated Installation >15' To 20', Add</i>	15.66	
<i>For Elevated Installation >20' To 25', Add</i>	19.58	
<i>For Elevated Installation >25' To 30', Add</i>	27.41	
<i>For Elevated Installation >30' To 35', Add</i>	31.32	
<i>For Elevated Installation >35' To 40', Add</i>	39.16	
<i>For Elevated Installation >40', Add</i>	43.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.49	
26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0745)</small>		
26 05 33 13-0813 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	174.03	17.90
<i>For Work In Restricted Working Space, Add</i>	13.43	
<i>For Elevated Installation >10' To 15', Add</i>	4.48	
<i>For Elevated Installation >15' To 20', Add</i>	8.95	
<i>For Elevated Installation >20' To 25', Add</i>	11.19	
<i>For Elevated Installation >25' To 30', Add</i>	15.67	
<i>For Elevated Installation >30' To 35', Add</i>	17.90	
<i>For Elevated Installation >35' To 40', Add</i>	22.38	
<i>For Elevated Installation >40', Add</i>	24.62	
26 05 33 13-0814 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	192.55	20.14
<i>For Work In Restricted Working Space, Add</i>	15.11	
<i>For Elevated Installation >10' To 15', Add</i>	5.04	
<i>For Elevated Installation >15' To 20', Add</i>	10.07	
<i>For Elevated Installation >20' To 25', Add</i>	12.59	
<i>For Elevated Installation >25' To 30', Add</i>	17.62	
<i>For Elevated Installation >30' To 35', Add</i>	20.14	
<i>For Elevated Installation >35' To 40', Add</i>	25.18	
<i>For Elevated Installation >40', Add</i>	27.69	
26 05 33 13-0815 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	213.98	22.37
<i>For Work In Restricted Working Space, Add</i>	16.79	
<i>For Elevated Installation >10' To 15', Add</i>	5.60	
<i>For Elevated Installation >15' To 20', Add</i>	11.19	
<i>For Elevated Installation >20' To 25', Add</i>	13.99	
<i>For Elevated Installation >25' To 30', Add</i>	19.58	
<i>For Elevated Installation >30' To 35', Add</i>	22.38	
<i>For Elevated Installation >35' To 40', Add</i>	27.98	
<i>For Elevated Installation >40', Add</i>	30.77	
26 05 33 13-0816 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	258.68	24.61
<i>For Work In Restricted Working Space, Add</i>	18.46	
<i>For Elevated Installation >10' To 15', Add</i>	6.15	
<i>For Elevated Installation >15' To 20', Add</i>	12.31	
<i>For Elevated Installation >20' To 25', Add</i>	15.39	
<i>For Elevated Installation >25' To 30', Add</i>	21.54	
<i>For Elevated Installation >30' To 35', Add</i>	24.62	
<i>For Elevated Installation >35' To 40', Add</i>	30.77	
<i>For Elevated Installation >40', Add</i>	33.85	
26 05 33 13-0817 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	317.19	26.85
<i>For Work In Restricted Working Space, Add</i>	20.14	
<i>For Elevated Installation >10' To 15', Add</i>	6.71	
<i>For Elevated Installation >15' To 20', Add</i>	13.43	
<i>For Elevated Installation >20' To 25', Add</i>	16.78	
<i>For Elevated Installation >25' To 30', Add</i>	23.50	
<i>For Elevated Installation >30' To 35', Add</i>	26.85	
<i>For Elevated Installation >35' To 40', Add</i>	33.57	
<i>For Elevated Installation >40', Add</i>	36.92	
26 05 33 13-0818 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	417.54	29.09
<i>For Work In Restricted Working Space, Add</i>	21.81	
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.08	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	39.99	
26 05 33 13-0819 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	631.15	35.81
<i>For Work In Restricted Working Space, Add</i>	26.85	
<i>For Elevated Installation >10' To 15', Add</i>	8.95	
<i>For Elevated Installation >15' To 20', Add</i>	17.90	
<i>For Elevated Installation >20' To 25', Add</i>	22.38	
<i>For Elevated Installation >25' To 30', Add</i>	31.33	
<i>For Elevated Installation >30' To 35', Add</i>	35.80	
<i>For Elevated Installation >35' To 40', Add</i>	44.76	
<i>For Elevated Installation >40', Add</i>	49.23	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	758.64	44.76
26 05 33	13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	1,058.24	53.70
26 05 33	13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	1,224.20	58.18
26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0745)</small>					
26 05 33	13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.68	27.98
26 05 33	13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.55	33.57
26 05 33	13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.40	39.16
26 05 33	13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.69	44.76
26 05 33	13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	237.97	50.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	289.73	55.94
For Work In Restricted Working Space, Add	33.56	
For Elevated Installation >10' To 15', Add	11.19	
For Elevated Installation >15' To 20', Add	22.38	
For Elevated Installation >20' To 25', Add	27.97	
For Elevated Installation >25' To 30', Add	39.16	
For Elevated Installation >30' To 35', Add	44.75	
For Elevated Installation >35' To 40', Add	55.94	
For Elevated Installation >40', Add	61.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.56	
26 05 33 13-0830 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	410.60	67.13
For Work In Restricted Working Space, Add	40.28	
For Elevated Installation >10' To 15', Add	13.43	
For Elevated Installation >15' To 20', Add	26.85	
For Elevated Installation >20' To 25', Add	33.57	
For Elevated Installation >25' To 30', Add	46.99	
For Elevated Installation >30' To 35', Add	53.71	
For Elevated Installation >35' To 40', Add	67.14	
For Elevated Installation >40', Add	73.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.28	
26 05 33 13-0831 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	494.18	78.32
For Work In Restricted Working Space, Add	46.99	
For Elevated Installation >10' To 15', Add	15.66	
For Elevated Installation >15' To 20', Add	31.33	
For Elevated Installation >20' To 25', Add	39.16	
For Elevated Installation >25' To 30', Add	54.82	
For Elevated Installation >30' To 35', Add	62.66	
For Elevated Installation >35' To 40', Add	78.32	
For Elevated Installation >40', Add	86.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.99	
26 05 33 13-0832 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	1,152.52	89.51
For Work In Restricted Working Space, Add	53.71	
For Elevated Installation >10' To 15', Add	17.90	
For Elevated Installation >15' To 20', Add	35.80	
For Elevated Installation >20' To 25', Add	44.76	
For Elevated Installation >25' To 30', Add	62.66	
For Elevated Installation >30' To 35', Add	71.61	
For Elevated Installation >35' To 40', Add	89.51	
For Elevated Installation >40', Add	98.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.71	
26 05 33 13-0833 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	1,328.08	100.70
For Work In Restricted Working Space, Add	60.42	
For Elevated Installation >10' To 15', Add	20.14	
For Elevated Installation >15' To 20', Add	40.28	
For Elevated Installation >20' To 25', Add	50.35	
For Elevated Installation >25' To 30', Add	70.49	
For Elevated Installation >30' To 35', Add	80.56	
For Elevated Installation >35' To 40', Add	100.70	
For Elevated Installation >40', Add	110.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.42	
26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0745)		
26 05 33 13-0835 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	15.12	5.37
For Work In Restricted Working Space, Add	4.03	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.68	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.71	
For Elevated Installation >40', Add	7.38	
26 05 33 13-0836 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	21.09	7.61
For Work In Restricted Working Space, Add	5.71	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.81	
For Elevated Installation >20' To 25', Add	4.76	
For Elevated Installation >25' To 30', Add	6.66	
For Elevated Installation >30' To 35', Add	7.61	
For Elevated Installation >35' To 40', Add	9.52	
For Elevated Installation >40', Add	10.47	
26 05 33 13-0837 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling.....	27.67	9.85
For Work In Restricted Working Space, Add	7.38	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.30	
For Elevated Installation >40', Add	13.53	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0838	EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	31.82	11.19
	<i>For Work In Restricted Working Space, Add</i>	8.39	
	<i>For Elevated Installation >10' To 15', Add</i>	2.80	
	<i>For Elevated Installation >15' To 20', Add</i>	5.60	
	<i>For Elevated Installation >20' To 25', Add</i>	7.00	
	<i>For Elevated Installation >25' To 30', Add</i>	9.79	
	<i>For Elevated Installation >30' To 35', Add</i>	11.19	
	<i>For Elevated Installation >35' To 40', Add</i>	13.99	
	<i>For Elevated Installation >40', Add</i>	15.39	
26 05 33 13-0839	EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	38.40	13.43
	<i>For Work In Restricted Working Space, Add</i>	10.07	
	<i>For Elevated Installation >10' To 15', Add</i>	3.36	
	<i>For Elevated Installation >15' To 20', Add</i>	6.71	
	<i>For Elevated Installation >20' To 25', Add</i>	8.39	
	<i>For Elevated Installation >25' To 30', Add</i>	11.74	
	<i>For Elevated Installation >30' To 35', Add</i>	13.42	
	<i>For Elevated Installation >35' To 40', Add</i>	16.78	
	<i>For Elevated Installation >40', Add</i>	18.45	
26 05 33 13-0840	EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling	44.43	15.22
	<i>For Work In Restricted Working Space, Add</i>	11.42	
	<i>For Elevated Installation >10' To 15', Add</i>	3.81	
	<i>For Elevated Installation >15' To 20', Add</i>	7.61	
	<i>For Elevated Installation >20' To 25', Add</i>	9.51	
	<i>For Elevated Installation >25' To 30', Add</i>	13.32	
	<i>For Elevated Installation >30' To 35', Add</i>	15.22	
	<i>For Elevated Installation >35' To 40', Add</i>	19.03	
	<i>For Elevated Installation >40', Add</i>	20.93	
26 05 33 13-0841	EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	56.65	17.00
	<i>For Work In Restricted Working Space, Add</i>	12.75	
	<i>For Elevated Installation >10' To 15', Add</i>	4.25	
	<i>For Elevated Installation >15' To 20', Add</i>	8.50	
	<i>For Elevated Installation >20' To 25', Add</i>	10.63	
	<i>For Elevated Installation >25' To 30', Add</i>	14.88	
	<i>For Elevated Installation >30' To 35', Add</i>	17.00	
	<i>For Elevated Installation >35' To 40', Add</i>	21.26	
	<i>For Elevated Installation >40', Add</i>	23.38	
26 05 33 13-0842	EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling	67.42	19.24
	<i>For Work In Restricted Working Space, Add</i>	14.43	
	<i>For Elevated Installation >10' To 15', Add</i>	4.81	
	<i>For Elevated Installation >15' To 20', Add</i>	9.62	
	<i>For Elevated Installation >20' To 25', Add</i>	12.03	
	<i>For Elevated Installation >25' To 30', Add</i>	16.84	
	<i>For Elevated Installation >30' To 35', Add</i>	19.24	
	<i>For Elevated Installation >35' To 40', Add</i>	24.06	
	<i>For Elevated Installation >40', Add</i>	26.46	
26 05 33 13-0843	EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	78.41	21.04
	<i>For Work In Restricted Working Space, Add</i>	15.78	
	<i>For Elevated Installation >10' To 15', Add</i>	5.26	
	<i>For Elevated Installation >15' To 20', Add</i>	10.52	
	<i>For Elevated Installation >20' To 25', Add</i>	13.15	
	<i>For Elevated Installation >25' To 30', Add</i>	18.41	
	<i>For Elevated Installation >30' To 35', Add</i>	21.04	
	<i>For Elevated Installation >35' To 40', Add</i>	26.30	
	<i>For Elevated Installation >40', Add</i>	28.93	
26 05 33 13-0844	EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling	81.94	22.37
	<i>For Work In Restricted Working Space, Add</i>	16.78	
	<i>For Elevated Installation >10' To 15', Add</i>	5.59	
	<i>For Elevated Installation >15' To 20', Add</i>	11.18	
	<i>For Elevated Installation >20' To 25', Add</i>	13.98	
	<i>For Elevated Installation >25' To 30', Add</i>	19.57	
	<i>For Elevated Installation >30' To 35', Add</i>	22.37	
	<i>For Elevated Installation >35' To 40', Add</i>	27.96	
	<i>For Elevated Installation >40', Add</i>	30.76	
26 05 33 13-0845	Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0745)</small>		
26 05 33 13-0846	EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.49	2.24
	<i>For Work In Restricted Working Space, Add</i>	1.68	
	<i>For Elevated Installation >10' To 15', Add</i>	0.56	
	<i>For Elevated Installation >15' To 20', Add</i>	1.12	
	<i>For Elevated Installation >20' To 25', Add</i>	1.40	
	<i>For Elevated Installation >25' To 30', Add</i>	1.96	
	<i>For Elevated Installation >30' To 35', Add</i>	2.24	
	<i>For Elevated Installation >35' To 40', Add</i>	2.80	
	<i>For Elevated Installation >40', Add</i>	3.07	
26 05 33 13-0847	EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.58	2.24
	<i>For Work In Restricted Working Space, Add</i>	1.68	
	<i>For Elevated Installation >10' To 15', Add</i>	0.56	
	<i>For Elevated Installation >15' To 20', Add</i>	1.12	
	<i>For Elevated Installation >20' To 25', Add</i>	1.40	
	<i>For Elevated Installation >25' To 30', Add</i>	1.96	
	<i>For Elevated Installation >30' To 35', Add</i>	2.24	
	<i>For Elevated Installation >35' To 40', Add</i>	2.80	
	<i>For Elevated Installation >40', Add</i>	3.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0059)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0849)</small> Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0850 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	13.51	3.13
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.82	
For >1,000, Deduct	-1.16	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.57	
For Elevated Installation >20' To 25', Add	1.96	
For Elevated Installation >25' To 30', Add	2.74	
For Elevated Installation >30' To 35', Add	3.13	
For Elevated Installation >35' To 40', Add	3.92	
For Elevated Installation >40', Add	4.31	
For Work In Restricted Working Space, Add	2.35	
26 05 33 13-0851 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	15.52	3.58
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.33	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.79	
For Elevated Installation >20' To 25', Add	2.24	
For Elevated Installation >25' To 30', Add	3.13	
For Elevated Installation >30' To 35', Add	3.58	
For Elevated Installation >35' To 40', Add	4.48	
For Elevated Installation >40', Add	4.92	
For Work In Restricted Working Space, Add	2.69	
26 05 33 13-0852 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	19.71	4.48
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.20	
For >1,000, Deduct	-1.69	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.80	
For Elevated Installation >25' To 30', Add	3.92	
For Elevated Installation >30' To 35', Add	4.48	
For Elevated Installation >35' To 40', Add	5.60	
For Elevated Installation >40', Add	6.15	
For Work In Restricted Working Space, Add	3.36	
26 05 33 13-0853 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	24.23	5.37
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.48	
For >1,000, Deduct	-2.09	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.69	
For Elevated Installation >20' To 25', Add	3.36	
For Elevated Installation >25' To 30', Add	4.70	
For Elevated Installation >30' To 35', Add	5.37	
For Elevated Installation >35' To 40', Add	6.72	
For Elevated Installation >40', Add	7.39	
For Work In Restricted Working Space, Add	4.03	
26 05 33 13-0854 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	29.90	6.72
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.82	
For >1,000, Deduct	-2.57	
For Elevated Installation >10' To 15', Add	1.68	
For Elevated Installation >15' To 20', Add	3.36	
For Elevated Installation >20' To 25', Add	4.20	
For Elevated Installation >25' To 30', Add	5.87	
For Elevated Installation >30' To 35', Add	6.71	
For Elevated Installation >35' To 40', Add	8.39	
For Elevated Installation >40', Add	9.23	
For Work In Restricted Working Space, Add	5.03	
26 05 33 13-0855 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	37.24	8.06
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.29	
For >1,000, Deduct	-3.22	
For Elevated Installation >10' To 15', Add	2.01	
For Elevated Installation >15' To 20', Add	4.03	
For Elevated Installation >20' To 25', Add	5.04	
For Elevated Installation >25' To 30', Add	7.05	
For Elevated Installation >30' To 35', Add	8.06	
For Elevated Installation >35' To 40', Add	10.07	
For Elevated Installation >40', Add	11.08	
For Work In Restricted Working Space, Add	6.04	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	49.43	9.40
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500 To 1,000, Deduct</i>	-3.12	
			<i>For >1,000, Deduct</i>	-4.36	
			<i>For Elevated Installation >10' To 15', Add</i>	2.35	
			<i>For Elevated Installation >15' To 20', Add</i>	4.70	
			<i>For Elevated Installation >20' To 25', Add</i>	5.88	
			<i>For Elevated Installation >25' To 30', Add</i>	8.23	
			<i>For Elevated Installation >30' To 35', Add</i>	9.40	
			<i>For Elevated Installation >35' To 40', Add</i>	11.75	
			<i>For Elevated Installation >40', Add</i>	12.93	
			<i>For Work In Restricted Working Space, Add</i>	7.05	
26 05 33	13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	61.79	11.63
			<i>For >250 To 500, Deduct</i>	-2.36	
			<i>For >500 To 1,000, Deduct</i>	-3.91	
			<i>For >1,000, Deduct</i>	-5.45	
			<i>For Elevated Installation >10' To 15', Add</i>	2.91	
			<i>For Elevated Installation >15' To 20', Add</i>	5.82	
			<i>For Elevated Installation >20' To 25', Add</i>	7.27	
			<i>For Elevated Installation >25' To 30', Add</i>	10.18	
			<i>For Elevated Installation >30' To 35', Add</i>	11.64	
			<i>For Elevated Installation >35' To 40', Add</i>	14.55	
			<i>For Elevated Installation >40', Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	8.73	
26 05 33	13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	75.81	14.32
			<i>For >250 To 500, Deduct</i>	-2.90	
			<i>For >500 To 1,000, Deduct</i>	-4.79	
			<i>For >1,000, Deduct</i>	-6.69	
			<i>For Elevated Installation >10' To 15', Add</i>	3.58	
			<i>For Elevated Installation >15' To 20', Add</i>	7.16	
			<i>For Elevated Installation >20' To 25', Add</i>	8.95	
			<i>For Elevated Installation >25' To 30', Add</i>	12.53	
			<i>For Elevated Installation >30' To 35', Add</i>	14.32	
			<i>For Elevated Installation >35' To 40', Add</i>	17.91	
			<i>For Elevated Installation >40', Add</i>	19.70	
			<i>For Work In Restricted Working Space, Add</i>	10.74	
26 05 33	13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	89.68	17.00
			<i>For >250 To 500, Deduct</i>	-3.42	
			<i>For >500 To 1,000, Deduct</i>	-5.66	
			<i>For >1,000, Deduct</i>	-7.91	
			<i>For Elevated Installation >10' To 15', Add</i>	4.25	
			<i>For Elevated Installation >15' To 20', Add</i>	8.50	
			<i>For Elevated Installation >20' To 25', Add</i>	10.63	
			<i>For Elevated Installation >25' To 30', Add</i>	14.88	
			<i>For Elevated Installation >30' To 35', Add</i>	17.01	
			<i>For Elevated Installation >35' To 40', Add</i>	21.26	
			<i>For Elevated Installation >40', Add</i>	23.39	
			<i>For Work In Restricted Working Space, Add</i>	12.76	
26 05 33	13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	133.92	20.14
			<i>For >250 To 500, Deduct</i>	-5.44	
			<i>For >500 To 1,000, Deduct</i>	-8.79	
			<i>For >1,000, Deduct</i>	-12.13	
			<i>For Elevated Installation >10' To 15', Add</i>	5.04	
			<i>For Elevated Installation >15' To 20', Add</i>	10.07	
			<i>For Elevated Installation >20' To 25', Add</i>	12.59	
			<i>For Elevated Installation >25' To 30', Add</i>	17.62	
			<i>For Elevated Installation >30' To 35', Add</i>	20.14	
			<i>For Elevated Installation >35' To 40', Add</i>	25.18	
			<i>For Elevated Installation >40', Add</i>	27.69	
			<i>For Work In Restricted Working Space, Add</i>	15.11	
26 05 33	13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	181.66	26.85
			<i>For >250 To 500, Deduct</i>	-7.40	
			<i>For >500 To 1,000, Deduct</i>	-11.95	
			<i>For >1,000, Deduct</i>	-16.49	
			<i>For Elevated Installation >10' To 15', Add</i>	6.71	
			<i>For Elevated Installation >15' To 20', Add</i>	13.43	
			<i>For Elevated Installation >20' To 25', Add</i>	16.78	
			<i>For Elevated Installation >25' To 30', Add</i>	23.50	
			<i>For Elevated Installation >30' To 35', Add</i>	26.85	
			<i>For Elevated Installation >35' To 40', Add</i>	33.57	
			<i>For Elevated Installation >40', Add</i>	36.92	
			<i>For Work In Restricted Working Space, Add</i>	20.14	
26 05 33	13-0862		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0848)</small>		
26 05 33	13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	19.42	6.72
			<i>For Elevated Installation >10' To 15', Add</i>	1.34	
			<i>For Elevated Installation >15' To 20', Add</i>	2.69	
			<i>For Elevated Installation >20' To 25', Add</i>	3.36	
			<i>For Elevated Installation >25' To 30', Add</i>	4.70	
			<i>For Elevated Installation >30' To 35', Add</i>	5.37	
			<i>For Elevated Installation >35' To 40', Add</i>	6.72	
			<i>For Elevated Installation >40', Add</i>	7.39	
			<i>For Work In Restricted Working Space, Add</i>	4.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	25.30	9.51
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.80	
For Elevated Installation >20' To 25', Add	4.76	
For Elevated Installation >25' To 30', Add	6.66	
For Elevated Installation >30' To 35', Add	7.61	
For Elevated Installation >35' To 40', Add	9.51	
For Elevated Installation >40', Add	10.46	
For Work In Restricted Working Space, Add	5.71	
26 05 33 13-0865 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	32.76	12.31
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.92	
For Elevated Installation >20' To 25', Add	6.15	
For Elevated Installation >25' To 30', Add	8.61	
For Elevated Installation >30' To 35', Add	9.84	
For Elevated Installation >35' To 40', Add	12.31	
For Elevated Installation >40', Add	13.54	
For Work In Restricted Working Space, Add	7.38	
26 05 33 13-0866 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	37.49	13.98
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
For Work In Restricted Working Space, Add	8.39	
26 05 33 13-0867 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	44.87	16.78
For Elevated Installation >10' To 15', Add	3.36	
For Elevated Installation >15' To 20', Add	6.71	
For Elevated Installation >20' To 25', Add	8.39	
For Elevated Installation >25' To 30', Add	11.75	
For Elevated Installation >30' To 35', Add	13.43	
For Elevated Installation >35' To 40', Add	16.79	
For Elevated Installation >40', Add	18.46	
For Work In Restricted Working Space, Add	10.07	
26 05 33 13-0868 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	54.58	19.02
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.61	
For Elevated Installation >20' To 25', Add	9.51	
For Elevated Installation >25' To 30', Add	13.31	
For Elevated Installation >30' To 35', Add	15.22	
For Elevated Installation >35' To 40', Add	19.02	
For Elevated Installation >40', Add	20.92	
For Work In Restricted Working Space, Add	11.41	
26 05 33 13-0869 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	83.47	19.02
For Elevated Installation >10' To 15', Add	4.25	
For Elevated Installation >15' To 20', Add	8.50	
For Elevated Installation >20' To 25', Add	10.63	
For Elevated Installation >25' To 30', Add	14.88	
For Elevated Installation >30' To 35', Add	17.01	
For Elevated Installation >35' To 40', Add	21.26	
For Elevated Installation >40', Add	23.39	
For Work In Restricted Working Space, Add	12.76	
26 05 33 13-0870 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	97.84	26.29
For Elevated Installation >10' To 15', Add	4.81	
For Elevated Installation >15' To 20', Add	9.62	
For Elevated Installation >20' To 25', Add	12.03	
For Elevated Installation >25' To 30', Add	16.84	
For Elevated Installation >30' To 35', Add	19.24	
For Elevated Installation >35' To 40', Add	24.06	
For Elevated Installation >40', Add	26.46	
For Work In Restricted Working Space, Add	14.43	
26 05 33 13-0871 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	116.39	26.29
For Elevated Installation >10' To 15', Add	5.26	
For Elevated Installation >15' To 20', Add	10.52	
For Elevated Installation >20' To 25', Add	13.15	
For Elevated Installation >25' To 30', Add	18.41	
For Elevated Installation >30' To 35', Add	21.04	
For Elevated Installation >35' To 40', Add	26.30	
For Elevated Installation >40', Add	28.92	
For Work In Restricted Working Space, Add	15.78	
26 05 33 13-0872 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	130.54	27.98
For Elevated Installation >10' To 15', Add	5.59	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.58	
For Elevated Installation >30' To 35', Add	22.38	
For Elevated Installation >35' To 40', Add	27.97	
For Elevated Installation >40', Add	30.77	
For Work In Restricted Working Space, Add	16.78	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33	13-0873	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	310.21	33.57
		<i>For Elevated Installation >10' To 15', Add</i>	6.71	
		<i>For Elevated Installation >15' To 20', Add</i>	13.43	
		<i>For Elevated Installation >20' To 25', Add</i>	16.78	
		<i>For Elevated Installation >25' To 30', Add</i>	23.50	
		<i>For Elevated Installation >30' To 35', Add</i>	26.85	
		<i>For Elevated Installation >35' To 40', Add</i>	33.57	
		<i>For Elevated Installation >40', Add</i>	36.92	
		<i>For Work In Restricted Working Space, Add</i>	20.14	
26 05 33	13-0874	EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	349.85	39.16
		<i>For Elevated Installation >10' To 15', Add</i>	7.83	
		<i>For Elevated Installation >15' To 20', Add</i>	15.66	
		<i>For Elevated Installation >20' To 25', Add</i>	19.58	
		<i>For Elevated Installation >25' To 30', Add</i>	27.41	
		<i>For Elevated Installation >30' To 35', Add</i>	31.33	
		<i>For Elevated Installation >35' To 40', Add</i>	39.16	
		<i>For Elevated Installation >40', Add</i>	43.08	
		<i>For Work In Restricted Working Space, Add</i>	23.50	
26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows				
<i>Note: 90, 45, or 30 degree.</i>				
26 05 33	13-0876	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	57.38	18.18
		<i>For Elevated Installation >10' To 15', Add</i>	3.64	
		<i>For Elevated Installation >15' To 20', Add</i>	7.27	
		<i>For Elevated Installation >20' To 25', Add</i>	9.09	
		<i>For Elevated Installation >25' To 30', Add</i>	12.73	
		<i>For Elevated Installation >30' To 35', Add</i>	14.55	
		<i>For Elevated Installation >35' To 40', Add</i>	18.19	
		<i>For Elevated Installation >40', Add</i>	20.00	
		<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33	13-0877	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	66.90	22.54
		<i>For Elevated Installation >10' To 15', Add</i>	4.51	
		<i>For Elevated Installation >15' To 20', Add</i>	9.02	
		<i>For Elevated Installation >20' To 25', Add</i>	11.27	
		<i>For Elevated Installation >25' To 30', Add</i>	15.78	
		<i>For Elevated Installation >30' To 35', Add</i>	18.04	
		<i>For Elevated Installation >35' To 40', Add</i>	22.55	
		<i>For Elevated Installation >40', Add</i>	24.80	
		<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33	13-0878	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	80.28	27.63
		<i>For Elevated Installation >10' To 15', Add</i>	5.53	
		<i>For Elevated Installation >15' To 20', Add</i>	11.05	
		<i>For Elevated Installation >20' To 25', Add</i>	13.82	
		<i>For Elevated Installation >25' To 30', Add</i>	19.34	
		<i>For Elevated Installation >30' To 35', Add</i>	22.11	
		<i>For Elevated Installation >35' To 40', Add</i>	27.64	
		<i>For Elevated Installation >40', Add</i>	30.40	
		<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33	13-0879	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	94.74	32.00
		<i>For Elevated Installation >10' To 15', Add</i>	6.40	
		<i>For Elevated Installation >15' To 20', Add</i>	12.80	
		<i>For Elevated Installation >20' To 25', Add</i>	16.00	
		<i>For Elevated Installation >25' To 30', Add</i>	22.40	
		<i>For Elevated Installation >30' To 35', Add</i>	25.60	
		<i>For Elevated Installation >35' To 40', Add</i>	32.00	
		<i>For Elevated Installation >40', Add</i>	35.20	
		<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33	13-0880	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	110.49	36.37
		<i>For Elevated Installation >10' To 15', Add</i>	7.27	
		<i>For Elevated Installation >15' To 20', Add</i>	14.54	
		<i>For Elevated Installation >20' To 25', Add</i>	18.18	
		<i>For Elevated Installation >25' To 30', Add</i>	25.45	
		<i>For Elevated Installation >30' To 35', Add</i>	29.09	
		<i>For Elevated Installation >35' To 40', Add</i>	36.36	
		<i>For Elevated Installation >40', Add</i>	40.00	
		<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33	13-0881	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	132.72	40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00	
		<i>For Elevated Installation >15' To 20', Add</i>	16.00	
		<i>For Elevated Installation >20' To 25', Add</i>	20.00	
		<i>For Elevated Installation >25' To 30', Add</i>	28.00	
		<i>For Elevated Installation >30' To 35', Add</i>	32.00	
		<i>For Elevated Installation >35' To 40', Add</i>	40.00	
		<i>For Elevated Installation >40', Add</i>	44.00	
		<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-0882	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	199.68	50.18
		<i>For Elevated Installation >10' To 15', Add</i>	10.04	
		<i>For Elevated Installation >15' To 20', Add</i>	20.07	
		<i>For Elevated Installation >20' To 25', Add</i>	25.09	
		<i>For Elevated Installation >25' To 30', Add</i>	35.13	
		<i>For Elevated Installation >30' To 35', Add</i>	40.14	
		<i>For Elevated Installation >35' To 40', Add</i>	50.18	
		<i>For Elevated Installation >40', Add</i>	55.20	
		<i>For Work In Restricted Working Space, Add</i>	30.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	295.43	68.36
For Elevated Installation >10' To 15', Add	13.67	
For Elevated Installation >15' To 20', Add	27.35	
For Elevated Installation >20' To 25', Add	34.18	
For Elevated Installation >25' To 30', Add	47.86	
For Elevated Installation >30' To 35', Add	54.69	
For Elevated Installation >35' To 40', Add	68.37	
For Elevated Installation >40', Add	75.20	
For Work In Restricted Working Space, Add	41.02	
26 05 33 13-0884 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	362.42	77.09
For Elevated Installation >10' To 15', Add	15.42	
For Elevated Installation >15' To 20', Add	30.84	
For Elevated Installation >20' To 25', Add	38.55	
For Elevated Installation >25' To 30', Add	53.96	
For Elevated Installation >30' To 35', Add	61.67	
For Elevated Installation >35' To 40', Add	77.09	
For Elevated Installation >40', Add	84.80	
For Work In Restricted Working Space, Add	46.25	
26 05 33 13-0885 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	420.86	100.36
For Elevated Installation >10' To 15', Add	20.07	
For Elevated Installation >15' To 20', Add	40.15	
For Elevated Installation >20' To 25', Add	50.18	
For Elevated Installation >25' To 30', Add	70.26	
For Elevated Installation >30' To 35', Add	80.29	
For Elevated Installation >35' To 40', Add	100.37	
For Elevated Installation >40', Add	110.40	
For Work In Restricted Working Space, Add	60.22	
26 05 33 13-0886 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	857.74	163.64
For Elevated Installation >10' To 15', Add	32.73	
For Elevated Installation >15' To 20', Add	65.45	
For Elevated Installation >20' To 25', Add	81.82	
For Elevated Installation >25' To 30', Add	114.54	
For Elevated Installation >30' To 35', Add	130.90	
For Elevated Installation >35' To 40', Add	163.63	
For Elevated Installation >40', Add	179.99	
For Work In Restricted Working Space, Add	98.18	
26 05 33 13-0887 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,344.30	245.82
For Elevated Installation >10' To 15', Add	49.16	
For Elevated Installation >15' To 20', Add	98.32	
For Elevated Installation >20' To 25', Add	122.91	
For Elevated Installation >25' To 30', Add	172.07	
For Elevated Installation >30' To 35', Add	196.65	
For Elevated Installation >35' To 40', Add	245.81	
For Elevated Installation >40', Add	270.39	
For Work In Restricted Working Space, Add	147.49	
26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-0889 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	129.79	27.63
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
For Work In Restricted Working Space, Add	16.58	
26 05 33 13-0890 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	146.43	32.00
For Elevated Installation >10' To 15', Add	6.40	
For Elevated Installation >15' To 20', Add	12.80	
For Elevated Installation >20' To 25', Add	16.00	
For Elevated Installation >25' To 30', Add	22.40	
For Elevated Installation >30' To 35', Add	25.60	
For Elevated Installation >35' To 40', Add	32.00	
For Elevated Installation >40', Add	35.20	
For Work In Restricted Working Space, Add	19.20	
26 05 33 13-0891 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	167.09	36.37
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	
For Work In Restricted Working Space, Add	21.82	
26 05 33 13-0892 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	198.02	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33	13-0893	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	273.59	50.18
		<i>For Elevated Installation >10' To 15', Add</i>	10.04	
		<i>For Elevated Installation >15' To 20', Add</i>	20.07	
		<i>For Elevated Installation >20' To 25', Add</i>	25.09	
		<i>For Elevated Installation >25' To 30', Add</i>	35.13	
		<i>For Elevated Installation >30' To 35', Add</i>	40.14	
		<i>For Elevated Installation >35' To 40', Add</i>	50.18	
		<i>For Elevated Installation >40', Add</i>	55.20	
		<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-0894	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33	13-0895	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	143.19	27.63
		<i>For Elevated Installation >10' To 15', Add</i>	5.53	
		<i>For Elevated Installation >15' To 20', Add</i>	11.05	
		<i>For Elevated Installation >20' To 25', Add</i>	13.82	
		<i>For Elevated Installation >25' To 30', Add</i>	19.34	
		<i>For Elevated Installation >30' To 35', Add</i>	22.11	
		<i>For Elevated Installation >35' To 40', Add</i>	27.64	
		<i>For Elevated Installation >40', Add</i>	30.40	
		<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33	13-0896	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	168.56	32.00
		<i>For Elevated Installation >10' To 15', Add</i>	6.40	
		<i>For Elevated Installation >15' To 20', Add</i>	12.80	
		<i>For Elevated Installation >20' To 25', Add</i>	16.00	
		<i>For Elevated Installation >25' To 30', Add</i>	22.40	
		<i>For Elevated Installation >30' To 35', Add</i>	25.60	
		<i>For Elevated Installation >35' To 40', Add</i>	32.00	
		<i>For Elevated Installation >40', Add</i>	35.20	
		<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33	13-0897	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	182.95	36.37
		<i>For Elevated Installation >10' To 15', Add</i>	7.27	
		<i>For Elevated Installation >15' To 20', Add</i>	14.54	
		<i>For Elevated Installation >20' To 25', Add</i>	18.18	
		<i>For Elevated Installation >25' To 30', Add</i>	25.45	
		<i>For Elevated Installation >30' To 35', Add</i>	29.09	
		<i>For Elevated Installation >35' To 40', Add</i>	36.36	
		<i>For Elevated Installation >40', Add</i>	40.00	
		<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33	13-0898	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	232.61	40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00	
		<i>For Elevated Installation >15' To 20', Add</i>	16.00	
		<i>For Elevated Installation >20' To 25', Add</i>	20.00	
		<i>For Elevated Installation >25' To 30', Add</i>	28.00	
		<i>For Elevated Installation >30' To 35', Add</i>	32.00	
		<i>For Elevated Installation >35' To 40', Add</i>	40.00	
		<i>For Elevated Installation >40', Add</i>	44.00	
		<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-0899	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	306.95	50.18
		<i>For Elevated Installation >10' To 15', Add</i>	10.04	
		<i>For Elevated Installation >15' To 20', Add</i>	20.07	
		<i>For Elevated Installation >20' To 25', Add</i>	25.09	
		<i>For Elevated Installation >25' To 30', Add</i>	35.13	
		<i>For Elevated Installation >30' To 35', Add</i>	40.14	
		<i>For Elevated Installation >35' To 40', Add</i>	50.18	
		<i>For Elevated Installation >40', Add</i>	55.20	
		<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-0900	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	394.36	68.36
		<i>For Elevated Installation >10' To 15', Add</i>	13.67	
		<i>For Elevated Installation >15' To 20', Add</i>	27.35	
		<i>For Elevated Installation >20' To 25', Add</i>	34.18	
		<i>For Elevated Installation >25' To 30', Add</i>	47.86	
		<i>For Elevated Installation >30' To 35', Add</i>	54.69	
		<i>For Elevated Installation >35' To 40', Add</i>	68.37	
		<i>For Elevated Installation >40', Add</i>	75.20	
		<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33	13-0901	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33	13-0902	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	159.20	27.63
		<i>For Elevated Installation >10' To 15', Add</i>	5.53	
		<i>For Elevated Installation >15' To 20', Add</i>	11.05	
		<i>For Elevated Installation >20' To 25', Add</i>	13.82	
		<i>For Elevated Installation >25' To 30', Add</i>	19.34	
		<i>For Elevated Installation >30' To 35', Add</i>	22.11	
		<i>For Elevated Installation >35' To 40', Add</i>	27.64	
		<i>For Elevated Installation >40', Add</i>	30.40	
		<i>For Work In Restricted Working Space, Add</i>	16.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0903 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	180.08	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33 13-0904 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	203.31	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33 13-0905 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	244.09	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33 13-0906 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	345.28	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33 13-0907 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	439.36	68.36
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.18	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.69	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.20	
<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33 13-0908 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	550.89	77.09
<i>For Elevated Installation >10' To 15', Add</i>	15.42	
<i>For Elevated Installation >15' To 20', Add</i>	30.84	
<i>For Elevated Installation >20' To 25', Add</i>	38.55	
<i>For Elevated Installation >25' To 30', Add</i>	53.96	
<i>For Elevated Installation >30' To 35', Add</i>	61.67	
<i>For Elevated Installation >35' To 40', Add</i>	77.09	
<i>For Elevated Installation >40', Add</i>	84.80	
<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33 13-0909 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	626.19	100.36
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.15	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.26	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.37	
<i>For Elevated Installation >40', Add</i>	110.40	
<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-0911 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	186.85	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33 13-0912 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	207.13	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	234.02	36.37
			<i>For Elevated Installation >10' To 15', Add</i>	7.27	
			<i>For Elevated Installation >15' To 20', Add</i>	14.54	
			<i>For Elevated Installation >20' To 25', Add</i>	18.18	
			<i>For Elevated Installation >25' To 30', Add</i>	25.45	
			<i>For Elevated Installation >30' To 35', Add</i>	29.09	
			<i>For Elevated Installation >35' To 40', Add</i>	36.36	
			<i>For Elevated Installation >40', Add</i>	40.00	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33	13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	288.31	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	413.89	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	515.61	68.36
			<i>For Elevated Installation >10' To 15', Add</i>	13.67	
			<i>For Elevated Installation >15' To 20', Add</i>	27.35	
			<i>For Elevated Installation >20' To 25', Add</i>	34.18	
			<i>For Elevated Installation >25' To 30', Add</i>	47.86	
			<i>For Elevated Installation >30' To 35', Add</i>	54.69	
			<i>For Elevated Installation >35' To 40', Add</i>	68.37	
			<i>For Elevated Installation >40', Add</i>	75.20	
			<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33	13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	597.44	77.09
			<i>For Elevated Installation >10' To 15', Add</i>	15.42	
			<i>For Elevated Installation >15' To 20', Add</i>	30.84	
			<i>For Elevated Installation >20' To 25', Add</i>	38.55	
			<i>For Elevated Installation >25' To 30', Add</i>	53.96	
			<i>For Elevated Installation >30' To 35', Add</i>	61.67	
			<i>For Elevated Installation >35' To 40', Add</i>	77.09	
			<i>For Elevated Installation >40', Add</i>	84.80	
			<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33	13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	711.65	100.36
			<i>For Elevated Installation >10' To 15', Add</i>	20.07	
			<i>For Elevated Installation >15' To 20', Add</i>	40.15	
			<i>For Elevated Installation >20' To 25', Add</i>	50.18	
			<i>For Elevated Installation >25' To 30', Add</i>	70.26	
			<i>For Elevated Installation >30' To 35', Add</i>	80.29	
			<i>For Elevated Installation >35' To 40', Add</i>	100.37	
			<i>For Elevated Installation >40', Add</i>	110.40	
			<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33	13-0919		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0948)</small>		
26 05 33	13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	208.37	27.63
			<i>For Elevated Installation >10' To 15', Add</i>	5.53	
			<i>For Elevated Installation >15' To 20', Add</i>	11.05	
			<i>For Elevated Installation >20' To 25', Add</i>	13.82	
			<i>For Elevated Installation >25' To 30', Add</i>	19.34	
			<i>For Elevated Installation >30' To 35', Add</i>	22.11	
			<i>For Elevated Installation >35' To 40', Add</i>	27.64	
			<i>For Elevated Installation >40', Add</i>	30.40	
			<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33	13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	232.31	32.00
			<i>For Elevated Installation >10' To 15', Add</i>	6.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.80	
			<i>For Elevated Installation >20' To 25', Add</i>	16.00	
			<i>For Elevated Installation >25' To 30', Add</i>	22.40	
			<i>For Elevated Installation >30' To 35', Add</i>	25.60	
			<i>For Elevated Installation >35' To 40', Add</i>	32.00	
			<i>For Elevated Installation >40', Add</i>	35.20	
			<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33	13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	264.25	36.37
			<i>For Elevated Installation >10' To 15', Add</i>	7.27	
			<i>For Elevated Installation >15' To 20', Add</i>	14.54	
			<i>For Elevated Installation >20' To 25', Add</i>	18.18	
			<i>For Elevated Installation >25' To 30', Add</i>	25.45	
			<i>For Elevated Installation >30' To 35', Add</i>	29.09	
			<i>For Elevated Installation >35' To 40', Add</i>	36.36	
			<i>For Elevated Installation >40', Add</i>	40.00	
			<i>For Work In Restricted Working Space, Add</i>	21.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0923 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	326.81	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33 13-0924 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	451.32	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33 13-0925 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	576.60	68.36
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.18	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.69	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.20	
<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33 13-0926 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	710.64	77.09
<i>For Elevated Installation >10' To 15', Add</i>	15.42	
<i>For Elevated Installation >15' To 20', Add</i>	30.84	
<i>For Elevated Installation >20' To 25', Add</i>	38.55	
<i>For Elevated Installation >25' To 30', Add</i>	53.96	
<i>For Elevated Installation >30' To 35', Add</i>	61.67	
<i>For Elevated Installation >35' To 40', Add</i>	77.09	
<i>For Elevated Installation >40', Add</i>	84.80	
<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33 13-0927 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	790.11	100.36
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.15	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.26	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.37	
<i>For Elevated Installation >40', Add</i>	110.40	
<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33 13-0928 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,315.75	163.64
<i>For Elevated Installation >10' To 15', Add</i>	32.73	
<i>For Elevated Installation >15' To 20', Add</i>	65.45	
<i>For Elevated Installation >20' To 25', Add</i>	81.82	
<i>For Elevated Installation >25' To 30', Add</i>	114.54	
<i>For Elevated Installation >30' To 35', Add</i>	130.90	
<i>For Elevated Installation >35' To 40', Add</i>	163.63	
<i>For Elevated Installation >40', Add</i>	179.99	
<i>For Work In Restricted Working Space, Add</i>	98.18	
26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>26 05 33 13-0949</small>		
26 05 33 13-0930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	236.51	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	262.73	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	297.38	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	369.51	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	513.69	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	654.30	68.36
			<i>For Elevated Installation >10' To 15', Add</i>	13.67	
			<i>For Elevated Installation >15' To 20', Add</i>	27.35	
			<i>For Elevated Installation >20' To 25', Add</i>	34.18	
			<i>For Elevated Installation >25' To 30', Add</i>	47.86	
			<i>For Elevated Installation >30' To 35', Add</i>	54.69	
			<i>For Elevated Installation >35' To 40', Add</i>	68.37	
			<i>For Elevated Installation >40', Add</i>	75.20	
			<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33	13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	767.35	77.09
			<i>For Elevated Installation >10' To 15', Add</i>	15.42	
			<i>For Elevated Installation >15' To 20', Add</i>	30.84	
			<i>For Elevated Installation >20' To 25', Add</i>	38.55	
			<i>For Elevated Installation >25' To 30', Add</i>	53.96	
			<i>For Elevated Installation >30' To 35', Add</i>	61.67	
			<i>For Elevated Installation >35' To 40', Add</i>	77.09	
			<i>For Elevated Installation >40', Add</i>	84.80	
			<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33	13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	891.39	100.36
			<i>For Elevated Installation >10' To 15', Add</i>	20.07	
			<i>For Elevated Installation >15' To 20', Add</i>	40.15	
			<i>For Elevated Installation >20' To 25', Add</i>	50.18	
			<i>For Elevated Installation >25' To 30', Add</i>	70.26	
			<i>For Elevated Installation >30' To 35', Add</i>	80.29	
			<i>For Elevated Installation >35' To 40', Add</i>	100.37	
			<i>For Elevated Installation >40', Add</i>	110.40	
			<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33	13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,386.73	163.64
			<i>For Elevated Installation >10' To 15', Add</i>	32.73	
			<i>For Elevated Installation >15' To 20', Add</i>	65.45	
			<i>For Elevated Installation >20' To 25', Add</i>	81.82	
			<i>For Elevated Installation >25' To 30', Add</i>	114.54	
			<i>For Elevated Installation >30' To 35', Add</i>	130.90	
			<i>For Elevated Installation >35' To 40', Add</i>	163.63	
			<i>For Elevated Installation >40', Add</i>	179.99	
			<i>For Work In Restricted Working Space, Add</i>	98.18	
26 05 33	13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,905.18	245.82
			<i>For Elevated Installation >10' To 15', Add</i>	49.16	
			<i>For Elevated Installation >15' To 20', Add</i>	98.32	
			<i>For Elevated Installation >20' To 25', Add</i>	122.91	
			<i>For Elevated Installation >25' To 30', Add</i>	172.07	
			<i>For Elevated Installation >30' To 35', Add</i>	196.65	
			<i>For Elevated Installation >35' To 40', Add</i>	245.81	
			<i>For Elevated Installation >40', Add</i>	270.39	
			<i>For Work In Restricted Working Space, Add</i>	147.49	
26 05 33	13-0940		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0848)</small>		
26 05 33	13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	275.69	27.63
			<i>For Elevated Installation >10' To 15', Add</i>	5.53	
			<i>For Elevated Installation >15' To 20', Add</i>	11.05	
			<i>For Elevated Installation >20' To 25', Add</i>	13.82	
			<i>For Elevated Installation >25' To 30', Add</i>	19.34	
			<i>For Elevated Installation >30' To 35', Add</i>	22.11	
			<i>For Elevated Installation >35' To 40', Add</i>	27.64	
			<i>For Elevated Installation >40', Add</i>	30.40	
			<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33	13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	289.85	32.00
			<i>For Elevated Installation >10' To 15', Add</i>	6.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.80	
			<i>For Elevated Installation >20' To 25', Add</i>	16.00	
			<i>For Elevated Installation >25' To 30', Add</i>	22.40	
			<i>For Elevated Installation >30' To 35', Add</i>	25.60	
			<i>For Elevated Installation >35' To 40', Add</i>	32.00	
			<i>For Elevated Installation >40', Add</i>	35.20	
			<i>For Work In Restricted Working Space, Add</i>	19.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0943 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	341.73	36.37
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	
For Work In Restricted Working Space, Add	21.82	
26 05 33 13-0944 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	428.94	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	
26 05 33 13-0945 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	597.80	50.18
For Elevated Installation >10' To 15', Add	10.04	
For Elevated Installation >15' To 20', Add	20.07	
For Elevated Installation >20' To 25', Add	25.09	
For Elevated Installation >25' To 30', Add	35.13	
For Elevated Installation >30' To 35', Add	40.15	
For Elevated Installation >35' To 40', Add	50.19	
For Elevated Installation >40', Add	55.20	
For Work In Restricted Working Space, Add	30.11	
26 05 33 13-0946 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	759.05	68.36
For Elevated Installation >10' To 15', Add	13.67	
For Elevated Installation >15' To 20', Add	27.35	
For Elevated Installation >20' To 25', Add	34.18	
For Elevated Installation >25' To 30', Add	47.86	
For Elevated Installation >30' To 35', Add	54.69	
For Elevated Installation >35' To 40', Add	68.37	
For Elevated Installation >40', Add	75.20	
For Work In Restricted Working Space, Add	41.02	
26 05 33 13-0947 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	925.04	77.09
For Elevated Installation >10' To 15', Add	15.42	
For Elevated Installation >15' To 20', Add	30.84	
For Elevated Installation >20' To 25', Add	38.55	
For Elevated Installation >25' To 30', Add	53.96	
For Elevated Installation >30' To 35', Add	61.67	
For Elevated Installation >35' To 40', Add	77.09	
For Elevated Installation >40', Add	84.80	
For Work In Restricted Working Space, Add	46.25	
26 05 33 13-0948 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,088.42	100.36
For Elevated Installation >10' To 15', Add	20.07	
For Elevated Installation >15' To 20', Add	40.15	
For Elevated Installation >20' To 25', Add	50.18	
For Elevated Installation >25' To 30', Add	70.26	
For Elevated Installation >30' To 35', Add	80.29	
For Elevated Installation >35' To 40', Add	100.37	
For Elevated Installation >40', Add	110.40	
For Work In Restricted Working Space, Add	60.22	
26 05 33 13-0949 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,618.26	163.64
For Elevated Installation >10' To 15', Add	32.73	
For Elevated Installation >15' To 20', Add	65.45	
For Elevated Installation >20' To 25', Add	81.82	
For Elevated Installation >25' To 30', Add	114.54	
For Elevated Installation >30' To 35', Add	130.90	
For Elevated Installation >35' To 40', Add	163.63	
For Elevated Installation >40', Add	179.99	
For Work In Restricted Working Space, Add	98.18	
26 05 33 13-0950 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,011.46	245.82
For Elevated Installation >10' To 15', Add	49.16	
For Elevated Installation >15' To 20', Add	98.32	
For Elevated Installation >20' To 25', Add	122.91	
For Elevated Installation >25' To 30', Add	172.07	
For Elevated Installation >30' To 35', Add	196.65	
For Elevated Installation >35' To 40', Add	245.81	
For Elevated Installation >40', Add	270.39	
For Work In Restricted Working Space, Add	147.49	
26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows		
<small>(26 05 33 13-0848)</small>		
26 05 33 13-0952 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	285.13	27.63
For Elevated Installation >10' To 15', Add	5.53	
For Elevated Installation >15' To 20', Add	11.05	
For Elevated Installation >20' To 25', Add	13.82	
For Elevated Installation >25' To 30', Add	19.34	
For Elevated Installation >30' To 35', Add	22.11	
For Elevated Installation >35' To 40', Add	27.64	
For Elevated Installation >40', Add	30.40	
For Work In Restricted Working Space, Add	16.58	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	335.73	32.00
			<i>For Elevated Installation >10' To 15', Add</i>	6.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.80	
			<i>For Elevated Installation >20' To 25', Add</i>	16.00	
			<i>For Elevated Installation >25' To 30', Add</i>	22.40	
			<i>For Elevated Installation >30' To 35', Add</i>	25.60	
			<i>For Elevated Installation >35' To 40', Add</i>	32.00	
			<i>For Elevated Installation >40', Add</i>	35.20	
			<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33	13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	380.08	36.37
			<i>For Elevated Installation >10' To 15', Add</i>	7.27	
			<i>For Elevated Installation >15' To 20', Add</i>	14.54	
			<i>For Elevated Installation >20' To 25', Add</i>	18.18	
			<i>For Elevated Installation >25' To 30', Add</i>	25.45	
			<i>For Elevated Installation >30' To 35', Add</i>	29.09	
			<i>For Elevated Installation >35' To 40', Add</i>	36.36	
			<i>For Elevated Installation >40', Add</i>	40.00	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33	13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	446.82	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	618.81	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.15	
			<i>For Elevated Installation >35' To 40', Add</i>	50.19	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	791.27	68.36
			<i>For Elevated Installation >10' To 15', Add</i>	13.67	
			<i>For Elevated Installation >15' To 20', Add</i>	27.35	
			<i>For Elevated Installation >20' To 25', Add</i>	34.18	
			<i>For Elevated Installation >25' To 30', Add</i>	47.86	
			<i>For Elevated Installation >30' To 35', Add</i>	54.69	
			<i>For Elevated Installation >35' To 40', Add</i>	68.37	
			<i>For Elevated Installation >40', Add</i>	75.20	
			<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33	13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,010.92	77.09
			<i>For Elevated Installation >10' To 15', Add</i>	15.42	
			<i>For Elevated Installation >15' To 20', Add</i>	30.84	
			<i>For Elevated Installation >20' To 25', Add</i>	38.55	
			<i>For Elevated Installation >25' To 30', Add</i>	53.96	
			<i>For Elevated Installation >30' To 35', Add</i>	61.67	
			<i>For Elevated Installation >35' To 40', Add</i>	77.09	
			<i>For Elevated Installation >40', Add</i>	84.80	
			<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33	13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,133.11	100.36
			<i>For Elevated Installation >10' To 15', Add</i>	20.07	
			<i>For Elevated Installation >15' To 20', Add</i>	40.15	
			<i>For Elevated Installation >20' To 25', Add</i>	50.18	
			<i>For Elevated Installation >25' To 30', Add</i>	70.26	
			<i>For Elevated Installation >30' To 35', Add</i>	80.29	
			<i>For Elevated Installation >35' To 40', Add</i>	100.37	
			<i>For Elevated Installation >40', Add</i>	110.40	
			<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33	13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,680.46	163.64
			<i>For Elevated Installation >10' To 15', Add</i>	32.73	
			<i>For Elevated Installation >15' To 20', Add</i>	65.45	
			<i>For Elevated Installation >20' To 25', Add</i>	81.82	
			<i>For Elevated Installation >25' To 30', Add</i>	114.54	
			<i>For Elevated Installation >30' To 35', Add</i>	130.90	
			<i>For Elevated Installation >35' To 40', Add</i>	163.63	
			<i>For Elevated Installation >40', Add</i>	179.99	
			<i>For Work In Restricted Working Space, Add</i>	98.18	
26 05 33	13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	2,065.46	245.82
			<i>For Elevated Installation >10' To 15', Add</i>	49.16	
			<i>For Elevated Installation >15' To 20', Add</i>	98.32	
			<i>For Elevated Installation >20' To 25', Add</i>	122.91	
			<i>For Elevated Installation >25' To 30', Add</i>	172.07	
			<i>For Elevated Installation >30' To 35', Add</i>	196.65	
			<i>For Elevated Installation >35' To 40', Add</i>	245.81	
			<i>For Elevated Installation >40', Add</i>	270.39	
			<i>For Work In Restricted Working Space, Add</i>	147.49	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings (26 05 33 13-0848)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	107.01	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33 13-0964 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	131.31	24.00
<i>For Elevated Installation >10' To 15', Add</i>	4.80	
<i>For Elevated Installation >15' To 20', Add</i>	9.60	
<i>For Elevated Installation >20' To 25', Add</i>	12.00	
<i>For Elevated Installation >25' To 30', Add</i>	16.80	
<i>For Elevated Installation >30' To 35', Add</i>	19.20	
<i>For Elevated Installation >35' To 40', Add</i>	24.00	
<i>For Elevated Installation >40', Add</i>	26.40	
<i>For Work In Restricted Working Space, Add</i>	14.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 05 33 13-0965 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	174.24	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58	
26 05 33 13-0966 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	283.67	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20	
26 05 33 13-0967 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	313.40	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.82	
26 05 33 13-0968 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	394.87	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	43.99	
<i>For Work In Restricted Working Space, Add</i>	24.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33 13-0969 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,064.93	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33 13-0970 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,272.63	68.36
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.19	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.70	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.21	
<i>For Work In Restricted Working Space, Add</i>	41.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.02	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0971	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,692.71	100.36
	<i>For Elevated Installation >10' To 15', Add</i>	20.07	
	<i>For Elevated Installation >15' To 20', Add</i>	40.14	
	<i>For Elevated Installation >20' To 25', Add</i>	50.18	
	<i>For Elevated Installation >25' To 30', Add</i>	70.25	
	<i>For Elevated Installation >30' To 35', Add</i>	80.29	
	<i>For Elevated Installation >35' To 40', Add</i>	100.36	
	<i>For Elevated Installation >40', Add</i>	110.40	
	<i>For Work In Restricted Working Space, Add</i>	60.22	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.22	
26 05 33 13-0972	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings <small>(26 05 33 13-0848)</small>		
26 05 33 13-0973	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	102.72	18.18
	<i>For Elevated Installation >10' To 15', Add</i>	3.64	
	<i>For Elevated Installation >15' To 20', Add</i>	7.27	
	<i>For Elevated Installation >20' To 25', Add</i>	9.09	
	<i>For Elevated Installation >25' To 30', Add</i>	12.73	
	<i>For Elevated Installation >30' To 35', Add</i>	14.55	
	<i>For Elevated Installation >35' To 40', Add</i>	18.19	
	<i>For Elevated Installation >40', Add</i>	20.00	
	<i>For Work In Restricted Working Space, Add</i>	10.91	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33 13-0974	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	126.45	24.00
	<i>For Elevated Installation >10' To 15', Add</i>	4.80	
	<i>For Elevated Installation >15' To 20', Add</i>	9.60	
	<i>For Elevated Installation >20' To 25', Add</i>	12.00	
	<i>For Elevated Installation >25' To 30', Add</i>	16.80	
	<i>For Elevated Installation >30' To 35', Add</i>	19.20	
	<i>For Elevated Installation >35' To 40', Add</i>	24.00	
	<i>For Elevated Installation >40', Add</i>	26.40	
	<i>For Work In Restricted Working Space, Add</i>	14.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 05 33 13-0975	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	174.24	27.63
	<i>For Elevated Installation >10' To 15', Add</i>	5.53	
	<i>For Elevated Installation >15' To 20', Add</i>	11.05	
	<i>For Elevated Installation >20' To 25', Add</i>	13.82	
	<i>For Elevated Installation >25' To 30', Add</i>	19.34	
	<i>For Elevated Installation >30' To 35', Add</i>	22.11	
	<i>For Elevated Installation >35' To 40', Add</i>	27.64	
	<i>For Elevated Installation >40', Add</i>	30.40	
	<i>For Work In Restricted Working Space, Add</i>	16.58	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58	
26 05 33 13-0976	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	281.17	32.00
	<i>For Elevated Installation >10' To 15', Add</i>	6.40	
	<i>For Elevated Installation >15' To 20', Add</i>	12.80	
	<i>For Elevated Installation >20' To 25', Add</i>	16.00	
	<i>For Elevated Installation >25' To 30', Add</i>	22.40	
	<i>For Elevated Installation >30' To 35', Add</i>	25.60	
	<i>For Elevated Installation >35' To 40', Add</i>	32.00	
	<i>For Elevated Installation >40', Add</i>	35.20	
	<i>For Work In Restricted Working Space, Add</i>	19.20	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20	
26 05 33 13-0977	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	303.33	36.37
	<i>For Elevated Installation >10' To 15', Add</i>	7.27	
	<i>For Elevated Installation >15' To 20', Add</i>	14.54	
	<i>For Elevated Installation >20' To 25', Add</i>	18.18	
	<i>For Elevated Installation >25' To 30', Add</i>	25.45	
	<i>For Elevated Installation >30' To 35', Add</i>	29.09	
	<i>For Elevated Installation >35' To 40', Add</i>	36.36	
	<i>For Elevated Installation >40', Add</i>	40.00	
	<i>For Work In Restricted Working Space, Add</i>	21.82	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.82	
26 05 33 13-0978	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	395.00	40.00
	<i>For Elevated Installation >10' To 15', Add</i>	8.00	
	<i>For Elevated Installation >15' To 20', Add</i>	16.00	
	<i>For Elevated Installation >20' To 25', Add</i>	20.00	
	<i>For Elevated Installation >25' To 30', Add</i>	28.00	
	<i>For Elevated Installation >30' To 35', Add</i>	32.00	
	<i>For Elevated Installation >35' To 40', Add</i>	40.00	
	<i>For Elevated Installation >40', Add</i>	43.99	
	<i>For Work In Restricted Working Space, Add</i>	24.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0979 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,021.97	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33 13-0980 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,241.28	68.36
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.19	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.70	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.21	
<i>For Work In Restricted Working Space, Add</i>	41.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.02	
26 05 33 13-0981 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,692.63	100.36
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.14	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.25	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.36	
<i>For Elevated Installation >40', Add</i>	110.40	
<i>For Work In Restricted Working Space, Add</i>	60.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.22	
26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings <small>(26 05 33 13-0948)</small>		
26 05 33 13-0983 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	93.21	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33 13-0984 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	112.02	24.00
<i>For Elevated Installation >10' To 15', Add</i>	4.80	
<i>For Elevated Installation >15' To 20', Add</i>	9.60	
<i>For Elevated Installation >20' To 25', Add</i>	12.00	
<i>For Elevated Installation >25' To 30', Add</i>	16.80	
<i>For Elevated Installation >30' To 35', Add</i>	19.20	
<i>For Elevated Installation >35' To 40', Add</i>	24.00	
<i>For Elevated Installation >40', Add</i>	26.40	
<i>For Work In Restricted Working Space, Add</i>	14.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 05 33 13-0985 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	132.05	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58	
26 05 33 13-0986 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	186.24	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20	
26 05 33 13-0987 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	217.35	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.82	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	332.87	40.00
26 05 33	13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	902.32	50.18
26 05 33	13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,017.81	68.36
26 05 33	13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,302.16	100.36
26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fittings <small>(26 05 33 13-0948)</small>					
26 05 33	13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.82	18.18
26 05 33	13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.72	24.00
26 05 33	13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.87	27.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0996 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	341.55	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20	
26 05 33 13-0997 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	387.89	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.82	
26 05 33 13-0998 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	509.04	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	43.99	
<i>For Work In Restricted Working Space, Add</i>	24.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33 13-0999 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,587.91	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33 13-1000 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,855.89	68.36
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.19	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.70	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.21	
<i>For Work In Restricted Working Space, Add</i>	41.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.02	
26 05 33 13-1001 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	2,284.85	100.36
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.14	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.25	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.36	
<i>For Elevated Installation >40', Add</i>	110.40	
<i>For Work In Restricted Working Space, Add</i>	60.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.22	
26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0848)</small>		
26 05 33 13-1003 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	173.70	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	251.66	24.00
		For Elevated Installation >10' To 15', Add	4.80	
		For Elevated Installation >15' To 20', Add	9.60	
		For Elevated Installation >20' To 25', Add	12.00	
		For Elevated Installation >25' To 30', Add	16.80	
		For Elevated Installation >30' To 35', Add	19.20	
		For Elevated Installation >35' To 40', Add	24.00	
		For Elevated Installation >40', Add	26.40	
		For Work In Restricted Working Space, Add	14.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.40	
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	298.90	27.63
		For Elevated Installation >10' To 15', Add	5.53	
		For Elevated Installation >15' To 20', Add	11.05	
		For Elevated Installation >20' To 25', Add	13.82	
		For Elevated Installation >25' To 30', Add	19.34	
		For Elevated Installation >30' To 35', Add	22.11	
		For Elevated Installation >35' To 40', Add	27.64	
		For Elevated Installation >40', Add	30.40	
		For Work In Restricted Working Space, Add	16.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.58	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	346.55	32.00
		For Elevated Installation >10' To 15', Add	6.40	
		For Elevated Installation >15' To 20', Add	12.80	
		For Elevated Installation >20' To 25', Add	16.00	
		For Elevated Installation >25' To 30', Add	22.40	
		For Elevated Installation >30' To 35', Add	25.60	
		For Elevated Installation >35' To 40', Add	32.00	
		For Elevated Installation >40', Add	35.20	
		For Work In Restricted Working Space, Add	19.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.20	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	401.60	36.37
		For Elevated Installation >10' To 15', Add	7.27	
		For Elevated Installation >15' To 20', Add	14.54	
		For Elevated Installation >20' To 25', Add	18.18	
		For Elevated Installation >25' To 30', Add	25.45	
		For Elevated Installation >30' To 35', Add	29.09	
		For Elevated Installation >35' To 40', Add	36.36	
		For Elevated Installation >40', Add	40.00	
		For Work In Restricted Working Space, Add	21.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.82	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	629.51	40.00
		For Elevated Installation >10' To 15', Add	8.00	
		For Elevated Installation >15' To 20', Add	16.00	
		For Elevated Installation >20' To 25', Add	20.00	
		For Elevated Installation >25' To 30', Add	28.00	
		For Elevated Installation >30' To 35', Add	32.00	
		For Elevated Installation >35' To 40', Add	40.00	
		For Elevated Installation >40', Add	43.99	
		For Work In Restricted Working Space, Add	24.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.00	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	1,769.68	50.18
		For Elevated Installation >10' To 15', Add	10.04	
		For Elevated Installation >15' To 20', Add	20.07	
		For Elevated Installation >20' To 25', Add	25.09	
		For Elevated Installation >25' To 30', Add	35.13	
		For Elevated Installation >30' To 35', Add	40.14	
		For Elevated Installation >35' To 40', Add	50.18	
		For Elevated Installation >40', Add	55.20	
		For Work In Restricted Working Space, Add	30.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.11	
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded		
		Sealtight Fitting.....	2,490.51	68.36
		For Elevated Installation >10' To 15', Add	13.67	
		For Elevated Installation >15' To 20', Add	27.35	
		For Elevated Installation >20' To 25', Add	34.19	
		For Elevated Installation >25' To 30', Add	47.86	
		For Elevated Installation >30' To 35', Add	54.70	
		For Elevated Installation >35' To 40', Add	68.37	
		For Elevated Installation >40', Add	75.21	
		For Work In Restricted Working Space, Add	41.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1011 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	2,606.11	100.36
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.14	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.25	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.36	
<i>For Elevated Installation >40', Add</i>	110.40	
<i>For Work In Restricted Working Space, Add</i>	60.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.22	
 26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fittings <small>(26 05 33 13-0848)</small>		
26 05 33 13-1013 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	138.21	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33 13-1014 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	174.58	24.00
<i>For Elevated Installation >10' To 15', Add</i>	4.80	
<i>For Elevated Installation >15' To 20', Add</i>	9.60	
<i>For Elevated Installation >20' To 25', Add</i>	12.00	
<i>For Elevated Installation >25' To 30', Add</i>	16.80	
<i>For Elevated Installation >30' To 35', Add</i>	19.20	
<i>For Elevated Installation >35' To 40', Add</i>	24.00	
<i>For Elevated Installation >40', Add</i>	26.40	
<i>For Work In Restricted Working Space, Add</i>	14.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.40	
26 05 33 13-1015 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	208.95	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.58	
26 05 33 13-1016 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	231.80	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.20	
26 05 33 13-1017 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	310.87	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.82	
26 05 33 13-1018 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	437.23	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	43.99	
<i>For Work In Restricted Working Space, Add</i>	24.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Seallight Fitting.....	1,437.36	50.18
		<i>For Elevated Installation >10' To 15', Add</i>	10.04	
		<i>For Elevated Installation >15' To 20', Add</i>	20.07	
		<i>For Elevated Installation >20' To 25', Add</i>	25.09	
		<i>For Elevated Installation >25' To 30', Add</i>	35.13	
		<i>For Elevated Installation >30' To 35', Add</i>	40.14	
		<i>For Elevated Installation >35' To 40', Add</i>	50.18	
		<i>For Elevated Installation >40', Add</i>	55.20	
		<i>For Work In Restricted Working Space, Add</i>	30.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Seallight Fitting.....	1,620.48	68.36
		<i>For Elevated Installation >10' To 15', Add</i>	13.67	
		<i>For Elevated Installation >15' To 20', Add</i>	27.35	
		<i>For Elevated Installation >20' To 25', Add</i>	34.19	
		<i>For Elevated Installation >25' To 30', Add</i>	47.86	
		<i>For Elevated Installation >30' To 35', Add</i>	54.70	
		<i>For Elevated Installation >35' To 40', Add</i>	68.37	
		<i>For Elevated Installation >40', Add</i>	75.21	
		<i>For Work In Restricted Working Space, Add</i>	41.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.02	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Seallight Fitting.....	1,929.40	100.36
		<i>For Elevated Installation >10' To 15', Add</i>	20.07	
		<i>For Elevated Installation >15' To 20', Add</i>	40.14	
		<i>For Elevated Installation >20' To 25', Add</i>	50.18	
		<i>For Elevated Installation >25' To 30', Add</i>	70.25	
		<i>For Elevated Installation >30' To 35', Add</i>	80.29	
		<i>For Elevated Installation >35' To 40', Add</i>	100.36	
		<i>For Elevated Installation >40', Add</i>	110.40	
		<i>For Work In Restricted Working Space, Add</i>	60.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.22	
26 05 33 13-1022		Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0848)</small>		
		Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	128.65	34.91
		<i>For Elevated Installation >10' To 15', Add</i>	6.98	
		<i>For Elevated Installation >15' To 20', Add</i>	13.96	
		<i>For Elevated Installation >20' To 25', Add</i>	17.46	
		<i>For Elevated Installation >25' To 30', Add</i>	24.44	
		<i>For Elevated Installation >30' To 35', Add</i>	27.93	
		<i>For Elevated Installation >35' To 40', Add</i>	34.91	
		<i>For Elevated Installation >40', Add</i>	38.40	
		<i>For Work In Restricted Working Space, Add</i>	20.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.95	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	145.22	40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00	
		<i>For Elevated Installation >15' To 20', Add</i>	16.00	
		<i>For Elevated Installation >20' To 25', Add</i>	20.00	
		<i>For Elevated Installation >25' To 30', Add</i>	28.00	
		<i>For Elevated Installation >30' To 35', Add</i>	32.00	
		<i>For Elevated Installation >35' To 40', Add</i>	40.00	
		<i>For Elevated Installation >40', Add</i>	43.99	
		<i>For Work In Restricted Working Space, Add</i>	24.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	178.92	45.81
		<i>For Elevated Installation >10' To 15', Add</i>	9.16	
		<i>For Elevated Installation >15' To 20', Add</i>	18.33	
		<i>For Elevated Installation >20' To 25', Add</i>	22.91	
		<i>For Elevated Installation >25' To 30', Add</i>	32.07	
		<i>For Elevated Installation >30' To 35', Add</i>	36.66	
		<i>For Elevated Installation >35' To 40', Add</i>	45.82	
		<i>For Elevated Installation >40', Add</i>	50.40	
		<i>For Work In Restricted Working Space, Add</i>	27.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	232.89	53.09
		<i>For Elevated Installation >10' To 15', Add</i>	10.62	
		<i>For Elevated Installation >15' To 20', Add</i>	21.24	
		<i>For Elevated Installation >20' To 25', Add</i>	26.55	
		<i>For Elevated Installation >25' To 30', Add</i>	37.16	
		<i>For Elevated Installation >30' To 35', Add</i>	42.47	
		<i>For Elevated Installation >35' To 40', Add</i>	53.09	
		<i>For Elevated Installation >40', Add</i>	58.40	
		<i>For Work In Restricted Working Space, Add</i>	31.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1027 EA 1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	271.08	58.18
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.27	
For Elevated Installation >20' To 25', Add	29.09	
For Elevated Installation >25' To 30', Add	40.73	
For Elevated Installation >30' To 35', Add	46.54	
For Elevated Installation >35' To 40', Add	58.18	
For Elevated Installation >40', Add	64.00	
For Work In Restricted Working Space, Add	34.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.91	
26 05 33 13-1028 EA 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	367.75	69.81
For Elevated Installation >10' To 15', Add	13.96	
For Elevated Installation >15' To 20', Add	27.93	
For Elevated Installation >20' To 25', Add	34.91	
For Elevated Installation >25' To 30', Add	48.87	
For Elevated Installation >30' To 35', Add	55.86	
For Elevated Installation >35' To 40', Add	69.82	
For Elevated Installation >40', Add	76.80	
For Work In Restricted Working Space, Add	41.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.89	
26 05 33 13-1029 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	614.99	98.18
For Elevated Installation >10' To 15', Add	19.64	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.73	
For Elevated Installation >30' To 35', Add	78.55	
For Elevated Installation >35' To 40', Add	98.19	
For Elevated Installation >40', Add	108.00	
For Work In Restricted Working Space, Add	58.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.91	
26 05 33 13-1030 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	788.41	130.90
For Elevated Installation >10' To 15', Add	26.18	
For Elevated Installation >15' To 20', Add	52.36	
For Elevated Installation >20' To 25', Add	65.46	
For Elevated Installation >25' To 30', Add	91.64	
For Elevated Installation >30' To 35', Add	104.73	
For Elevated Installation >35' To 40', Add	130.91	
For Elevated Installation >40', Add	144.00	
For Work In Restricted Working Space, Add	78.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.55	
26 05 33 13-1031 EA 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,092.35	163.64
For Elevated Installation >10' To 15', Add	32.73	
For Elevated Installation >15' To 20', Add	65.45	
For Elevated Installation >20' To 25', Add	81.82	
For Elevated Installation >25' To 30', Add	114.54	
For Elevated Installation >30' To 35', Add	130.90	
For Elevated Installation >35' To 40', Add	163.63	
For Elevated Installation >40', Add	179.99	
For Work In Restricted Working Space, Add	98.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.18	
26 05 33 13-1032 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,256.15	199.27
For Elevated Installation >10' To 15', Add	39.85	
For Elevated Installation >15' To 20', Add	79.71	
For Elevated Installation >20' To 25', Add	99.64	
For Elevated Installation >25' To 30', Add	139.49	
For Elevated Installation >30' To 35', Add	159.42	
For Elevated Installation >35' To 40', Add	199.27	
For Elevated Installation >40', Add	219.20	
For Work In Restricted Working Space, Add	119.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	119.56	
26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0848)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1034 EA 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	168.12	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.65	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.49	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	191.37	50.91
			<i>For Elevated Installation >10' To 15', Add</i>	10.18	
			<i>For Elevated Installation >15' To 20', Add</i>	20.36	
			<i>For Elevated Installation >20' To 25', Add</i>	25.45	
			<i>For Elevated Installation >25' To 30', Add</i>	35.63	
			<i>For Elevated Installation >30' To 35', Add</i>	40.72	
			<i>For Elevated Installation >35' To 40', Add</i>	50.91	
			<i>For Elevated Installation >40', Add</i>	56.00	
			<i>For Work In Restricted Working Space, Add</i>	30.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.54	
26 05 33	13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	232.63	56.00
			<i>For Elevated Installation >10' To 15', Add</i>	11.20	
			<i>For Elevated Installation >15' To 20', Add</i>	22.40	
			<i>For Elevated Installation >20' To 25', Add</i>	28.00	
			<i>For Elevated Installation >25' To 30', Add</i>	39.20	
			<i>For Elevated Installation >30' To 35', Add</i>	44.80	
			<i>For Elevated Installation >35' To 40', Add</i>	56.00	
			<i>For Elevated Installation >40', Add</i>	61.59	
			<i>For Work In Restricted Working Space, Add</i>	33.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.60	
26 05 33	13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	310.78	64.00
			<i>For Elevated Installation >10' To 15', Add</i>	12.80	
			<i>For Elevated Installation >15' To 20', Add</i>	25.60	
			<i>For Elevated Installation >20' To 25', Add</i>	32.00	
			<i>For Elevated Installation >25' To 30', Add</i>	44.80	
			<i>For Elevated Installation >30' To 35', Add</i>	51.20	
			<i>For Elevated Installation >35' To 40', Add</i>	64.00	
			<i>For Elevated Installation >40', Add</i>	70.39	
			<i>For Work In Restricted Working Space, Add</i>	38.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.40	
26 05 33	13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	366.22	69.81
			<i>For Elevated Installation >10' To 15', Add</i>	13.96	
			<i>For Elevated Installation >15' To 20', Add</i>	27.93	
			<i>For Elevated Installation >20' To 25', Add</i>	34.91	
			<i>For Elevated Installation >25' To 30', Add</i>	48.87	
			<i>For Elevated Installation >30' To 35', Add</i>	55.86	
			<i>For Elevated Installation >35' To 40', Add</i>	69.82	
			<i>For Elevated Installation >40', Add</i>	76.80	
			<i>For Work In Restricted Working Space, Add</i>	41.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.89	
26 05 33	13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	497.10	85.81
			<i>For Elevated Installation >10' To 15', Add</i>	17.16	
			<i>For Elevated Installation >15' To 20', Add</i>	34.33	
			<i>For Elevated Installation >20' To 25', Add</i>	42.91	
			<i>For Elevated Installation >25' To 30', Add</i>	60.07	
			<i>For Elevated Installation >30' To 35', Add</i>	68.66	
			<i>For Elevated Installation >35' To 40', Add</i>	85.82	
			<i>For Elevated Installation >40', Add</i>	94.40	
			<i>For Work In Restricted Working Space, Add</i>	51.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.49	
26 05 33	13-1040		Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0848)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33	13-1041	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	147.90	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33	13-1042	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	168.92	46.55
			<i>For Elevated Installation >10' To 15', Add</i>	9.31	
			<i>For Elevated Installation >15' To 20', Add</i>	18.62	
			<i>For Elevated Installation >20' To 25', Add</i>	23.27	
			<i>For Elevated Installation >25' To 30', Add</i>	32.58	
			<i>For Elevated Installation >30' To 35', Add</i>	37.24	
			<i>For Elevated Installation >35' To 40', Add</i>	46.55	
			<i>For Elevated Installation >40', Add</i>	51.20	
			<i>For Work In Restricted Working Space, Add</i>	27.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.93	
26 05 33	13-1043	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	203.41	50.91
			<i>For Elevated Installation >10' To 15', Add</i>	10.18	
			<i>For Elevated Installation >15' To 20', Add</i>	20.36	
			<i>For Elevated Installation >20' To 25', Add</i>	25.45	
			<i>For Elevated Installation >25' To 30', Add</i>	35.63	
			<i>For Elevated Installation >30' To 35', Add</i>	40.72	
			<i>For Elevated Installation >35' To 40', Add</i>	50.91	
			<i>For Elevated Installation >40', Add</i>	56.00	
			<i>For Work In Restricted Working Space, Add</i>	30.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1044 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	259.39	58.18
<i>For Elevated Installation >10' To 15', Add</i>	11.64	
<i>For Elevated Installation >15' To 20', Add</i>	23.27	
<i>For Elevated Installation >20' To 25', Add</i>	29.09	
<i>For Elevated Installation >25' To 30', Add</i>	40.73	
<i>For Elevated Installation >30' To 35', Add</i>	46.54	
<i>For Elevated Installation >35' To 40', Add</i>	58.18	
<i>For Elevated Installation >40', Add</i>	64.00	
<i>For Work In Restricted Working Space, Add</i>	34.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.91	
26 05 33 13-1045 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	306.62	64.00
<i>For Elevated Installation >10' To 15', Add</i>	12.80	
<i>For Elevated Installation >15' To 20', Add</i>	25.60	
<i>For Elevated Installation >20' To 25', Add</i>	32.00	
<i>For Elevated Installation >25' To 30', Add</i>	44.80	
<i>For Elevated Installation >30' To 35', Add</i>	51.20	
<i>For Elevated Installation >35' To 40', Add</i>	64.00	
<i>For Elevated Installation >40', Add</i>	70.40	
<i>For Work In Restricted Working Space, Add</i>	38.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.40	
26 05 33 13-1046 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	409.19	74.91
<i>For Elevated Installation >10' To 15', Add</i>	14.98	
<i>For Elevated Installation >15' To 20', Add</i>	29.96	
<i>For Elevated Installation >20' To 25', Add</i>	37.45	
<i>For Elevated Installation >25' To 30', Add</i>	52.43	
<i>For Elevated Installation >30' To 35', Add</i>	59.92	
<i>For Elevated Installation >35' To 40', Add</i>	74.91	
<i>For Elevated Installation >40', Add</i>	82.40	
<i>For Work In Restricted Working Space, Add</i>	44.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.94	
26 05 33 13-1047 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	656.32	109.09
<i>For Elevated Installation >10' To 15', Add</i>	21.82	
<i>For Elevated Installation >15' To 20', Add</i>	43.64	
<i>For Elevated Installation >20' To 25', Add</i>	54.55	
<i>For Elevated Installation >25' To 30', Add</i>	76.36	
<i>For Elevated Installation >30' To 35', Add</i>	87.27	
<i>For Elevated Installation >35' To 40', Add</i>	109.09	
<i>For Elevated Installation >40', Add</i>	120.00	
<i>For Work In Restricted Working Space, Add</i>	65.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.45	
26 05 33 13-1048 EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	868.29	141.81
<i>For Elevated Installation >10' To 15', Add</i>	28.36	
<i>For Elevated Installation >15' To 20', Add</i>	56.72	
<i>For Elevated Installation >20' To 25', Add</i>	70.91	
<i>For Elevated Installation >25' To 30', Add</i>	99.27	
<i>For Elevated Installation >30' To 35', Add</i>	113.45	
<i>For Elevated Installation >35' To 40', Add</i>	141.81	
<i>For Elevated Installation >40', Add</i>	155.99	
<i>For Work In Restricted Working Space, Add</i>	85.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.09	
26 05 33 13-1049 EA 3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,189.44	174.54
<i>For Elevated Installation >10' To 15', Add</i>	34.91	
<i>For Elevated Installation >15' To 20', Add</i>	69.82	
<i>For Elevated Installation >20' To 25', Add</i>	87.27	
<i>For Elevated Installation >25' To 30', Add</i>	122.18	
<i>For Elevated Installation >30' To 35', Add</i>	139.63	
<i>For Elevated Installation >35' To 40', Add</i>	174.54	
<i>For Elevated Installation >40', Add</i>	191.99	
<i>For Work In Restricted Working Space, Add</i>	104.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.72	
26 05 33 13-1050 EA 4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,332.05	210.18
<i>For Elevated Installation >10' To 15', Add</i>	42.04	
<i>For Elevated Installation >15' To 20', Add</i>	84.07	
<i>For Elevated Installation >20' To 25', Add</i>	105.09	
<i>For Elevated Installation >25' To 30', Add</i>	147.13	
<i>For Elevated Installation >30' To 35', Add</i>	168.15	
<i>For Elevated Installation >35' To 40', Add</i>	210.19	
<i>For Elevated Installation >40', Add</i>	231.20	
<i>For Work In Restricted Working Space, Add</i>	126.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.11	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined (26 05 33 13-0848)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1052	EA 1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	29.58	4.37
	For Elevated Installation >10' To 15', Add	0.87	
	For Elevated Installation >15' To 20', Add	1.74	
	For Elevated Installation >20' To 25', Add	2.18	
	For Elevated Installation >25' To 30', Add	3.05	
	For Elevated Installation >30' To 35', Add	3.49	
	For Elevated Installation >35' To 40', Add	4.36	
	For Elevated Installation >40', Add	4.80	
	For Work In Restricted Working Space, Add	2.62	
26 05 33 13-1053	EA 3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	33.23	5.09
	For Elevated Installation >10' To 15', Add	1.02	
	For Elevated Installation >15' To 20', Add	2.04	
	For Elevated Installation >20' To 25', Add	2.55	
	For Elevated Installation >25' To 30', Add	3.56	
	For Elevated Installation >30' To 35', Add	4.07	
	For Elevated Installation >35' To 40', Add	5.09	
	For Elevated Installation >40', Add	5.60	
	For Work In Restricted Working Space, Add	3.05	
26 05 33 13-1054	EA 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	43.32	6.54
	For Elevated Installation >10' To 15', Add	1.31	
	For Elevated Installation >15' To 20', Add	2.62	
	For Elevated Installation >20' To 25', Add	3.27	
	For Elevated Installation >25' To 30', Add	4.58	
	For Elevated Installation >30' To 35', Add	5.24	
	For Elevated Installation >35' To 40', Add	6.55	
	For Elevated Installation >40', Add	7.20	
	For Work In Restricted Working Space, Add	3.93	
26 05 33 13-1055	EA 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	55.64	8.00
	For Elevated Installation >10' To 15', Add	1.60	
	For Elevated Installation >15' To 20', Add	3.20	
	For Elevated Installation >20' To 25', Add	4.00	
	For Elevated Installation >25' To 30', Add	5.60	
	For Elevated Installation >30' To 35', Add	6.40	
	For Elevated Installation >35' To 40', Add	8.00	
	For Elevated Installation >40', Add	8.80	
	For Work In Restricted Working Space, Add	4.80	
26 05 33 13-1056	EA 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	62.38	9.46
	For Elevated Installation >10' To 15', Add	1.89	
	For Elevated Installation >15' To 20', Add	3.78	
	For Elevated Installation >20' To 25', Add	4.73	
	For Elevated Installation >25' To 30', Add	6.62	
	For Elevated Installation >30' To 35', Add	7.56	
	For Elevated Installation >35' To 40', Add	9.46	
	For Elevated Installation >40', Add	10.40	
	For Work In Restricted Working Space, Add	5.67	
26 05 33 13-1057	EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	77.08	10.91
	For Elevated Installation >10' To 15', Add	2.18	
	For Elevated Installation >15' To 20', Add	4.36	
	For Elevated Installation >20' To 25', Add	5.46	
	For Elevated Installation >25' To 30', Add	7.64	
	For Elevated Installation >30' To 35', Add	8.73	
	For Elevated Installation >35' To 40', Add	10.91	
	For Elevated Installation >40', Add	12.00	
	For Work In Restricted Working Space, Add	6.55	
26 05 33 13-1058	EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	99.44	12.37
	For Elevated Installation >10' To 15', Add	2.47	
	For Elevated Installation >15' To 20', Add	4.94	
	For Elevated Installation >20' To 25', Add	6.18	
	For Elevated Installation >25' To 30', Add	8.65	
	For Elevated Installation >30' To 35', Add	9.89	
	For Elevated Installation >35' To 40', Add	12.36	
	For Elevated Installation >40', Add	13.60	
	For Work In Restricted Working Space, Add	7.42	
26 05 33 13-1059	EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	109.63	17.46
	For Elevated Installation >10' To 15', Add	3.49	
	For Elevated Installation >15' To 20', Add	6.98	
	For Elevated Installation >20' To 25', Add	8.73	
	For Elevated Installation >25' To 30', Add	12.22	
	For Elevated Installation >30' To 35', Add	13.96	
	For Elevated Installation >35' To 40', Add	17.46	
	For Elevated Installation >40', Add	19.20	
	For Work In Restricted Working Space, Add	10.47	
26 05 33 13-1060	EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	132.96	19.63
	For Elevated Installation >10' To 15', Add	3.93	
	For Elevated Installation >15' To 20', Add	7.85	
	For Elevated Installation >20' To 25', Add	9.82	
	For Elevated Installation >25' To 30', Add	13.74	
	For Elevated Installation >30' To 35', Add	15.71	
	For Elevated Installation >35' To 40', Add	19.64	
	For Elevated Installation >40', Add	21.60	
	For Work In Restricted Working Space, Add	11.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1061 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	143.15	24.72
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.37	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>		
26 05 33 13-1063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	144.46	34.91
For Elevated Installation >10' To 15', Add	6.98	
For Elevated Installation >15' To 20', Add	13.96	
For Elevated Installation >20' To 25', Add	17.45	
For Elevated Installation >25' To 30', Add	24.43	
For Elevated Installation >30' To 35', Add	27.92	
For Elevated Installation >35' To 40', Add	34.91	
For Elevated Installation >40', Add	38.40	
For Work In Restricted Working Space, Add	20.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.94	
26 05 33 13-1064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	160.27	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.00	
26 05 33 13-1065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	187.00	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.49	
26 05 33 13-1066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	221.68	53.09
For Elevated Installation >10' To 15', Add	10.62	
For Elevated Installation >15' To 20', Add	21.24	
For Elevated Installation >20' To 25', Add	26.55	
For Elevated Installation >25' To 30', Add	37.16	
For Elevated Installation >30' To 35', Add	42.47	
For Elevated Installation >35' To 40', Add	53.09	
For Elevated Installation >40', Add	58.40	
For Work In Restricted Working Space, Add	31.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.85	
26 05 33 13-1067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	274.24	58.18
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.27	
For Elevated Installation >20' To 25', Add	29.09	
For Elevated Installation >25' To 30', Add	40.73	
For Elevated Installation >30' To 35', Add	46.54	
For Elevated Installation >35' To 40', Add	58.18	
For Elevated Installation >40', Add	64.00	
For Work In Restricted Working Space, Add	34.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.91	
26 05 33 13-1068 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	332.21	69.81
For Elevated Installation >10' To 15', Add	13.96	
For Elevated Installation >15' To 20', Add	27.93	
For Elevated Installation >20' To 25', Add	34.91	
For Elevated Installation >25' To 30', Add	48.87	
For Elevated Installation >30' To 35', Add	55.86	
For Elevated Installation >35' To 40', Add	69.82	
For Elevated Installation >40', Add	76.80	
For Work In Restricted Working Space, Add	41.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.89	
26 05 33 13-1069 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	480.46	98.18
For Elevated Installation >10' To 15', Add	19.64	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.73	
For Elevated Installation >30' To 35', Add	78.54	
For Elevated Installation >35' To 40', Add	98.18	
For Elevated Installation >40', Add	108.00	
For Work In Restricted Working Space, Add	58.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.91	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1070	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	617.13	130.90
	<i>For Elevated Installation >10' To 15', Add</i>	26.18	
	<i>For Elevated Installation >15' To 20', Add</i>	52.36	
	<i>For Elevated Installation >20' To 25', Add</i>	65.45	
	<i>For Elevated Installation >25' To 30', Add</i>	91.63	
	<i>For Elevated Installation >30' To 35', Add</i>	104.72	
	<i>For Elevated Installation >35' To 40', Add</i>	130.91	
	<i>For Elevated Installation >40', Add</i>	144.00	
	<i>For Work In Restricted Working Space, Add</i>	78.54	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.54	
26 05 33 13-1071	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,213.64	163.64
	<i>For Elevated Installation >10' To 15', Add</i>	32.73	
	<i>For Elevated Installation >15' To 20', Add</i>	65.45	
	<i>For Elevated Installation >20' To 25', Add</i>	81.82	
	<i>For Elevated Installation >25' To 30', Add</i>	114.54	
	<i>For Elevated Installation >30' To 35', Add</i>	130.90	
	<i>For Elevated Installation >35' To 40', Add</i>	163.63	
	<i>For Elevated Installation >40', Add</i>	179.99	
	<i>For Work In Restricted Working Space, Add</i>	98.18	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.18	
26 05 33 13-1072	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,768.70	199.27
	<i>For Elevated Installation >10' To 15', Add</i>	39.85	
	<i>For Elevated Installation >15' To 20', Add</i>	79.71	
	<i>For Elevated Installation >20' To 25', Add</i>	99.64	
	<i>For Elevated Installation >25' To 30', Add</i>	139.49	
	<i>For Elevated Installation >30' To 35', Add</i>	159.42	
	<i>For Elevated Installation >35' To 40', Add</i>	199.27	
	<i>For Elevated Installation >40', Add</i>	219.20	
	<i>For Work In Restricted Working Space, Add</i>	119.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.56	
26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>			
26 05 33 13-1074	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	241.61	34.91
	<i>For Elevated Installation >10' To 15', Add</i>	6.98	
	<i>For Elevated Installation >15' To 20', Add</i>	13.96	
	<i>For Elevated Installation >20' To 25', Add</i>	17.45	
	<i>For Elevated Installation >25' To 30', Add</i>	24.43	
	<i>For Elevated Installation >30' To 35', Add</i>	27.92	
	<i>For Elevated Installation >35' To 40', Add</i>	34.91	
	<i>For Elevated Installation >40', Add</i>	38.40	
	<i>For Work In Restricted Working Space, Add</i>	20.94	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.94	
26 05 33 13-1075	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	260.73	40.00
	<i>For Elevated Installation >10' To 15', Add</i>	8.00	
	<i>For Elevated Installation >15' To 20', Add</i>	16.00	
	<i>For Elevated Installation >20' To 25', Add</i>	20.00	
	<i>For Elevated Installation >25' To 30', Add</i>	28.00	
	<i>For Elevated Installation >30' To 35', Add</i>	32.00	
	<i>For Elevated Installation >35' To 40', Add</i>	40.00	
	<i>For Elevated Installation >40', Add</i>	44.00	
	<i>For Work In Restricted Working Space, Add</i>	24.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33 13-1076	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	297.77	45.81
	<i>For Elevated Installation >10' To 15', Add</i>	9.16	
	<i>For Elevated Installation >15' To 20', Add</i>	18.33	
	<i>For Elevated Installation >20' To 25', Add</i>	22.91	
	<i>For Elevated Installation >25' To 30', Add</i>	32.07	
	<i>For Elevated Installation >30' To 35', Add</i>	36.66	
	<i>For Elevated Installation >35' To 40', Add</i>	45.82	
	<i>For Elevated Installation >40', Add</i>	50.40	
	<i>For Work In Restricted Working Space, Add</i>	27.49	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-1077	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	333.71	53.09
	<i>For Elevated Installation >10' To 15', Add</i>	10.62	
	<i>For Elevated Installation >15' To 20', Add</i>	21.24	
	<i>For Elevated Installation >20' To 25', Add</i>	26.55	
	<i>For Elevated Installation >25' To 30', Add</i>	37.16	
	<i>For Elevated Installation >30' To 35', Add</i>	42.47	
	<i>For Elevated Installation >35' To 40', Add</i>	53.09	
	<i>For Elevated Installation >40', Add</i>	58.40	
	<i>For Work In Restricted Working Space, Add</i>	31.85	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1078 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	403.20	58.18
<i>For Elevated Installation >10' To 15', Add</i>	11.64	
<i>For Elevated Installation >15' To 20', Add</i>	23.27	
<i>For Elevated Installation >20' To 25', Add</i>	29.09	
<i>For Elevated Installation >25' To 30', Add</i>	40.73	
<i>For Elevated Installation >30' To 35', Add</i>	46.54	
<i>For Elevated Installation >35' To 40', Add</i>	58.18	
<i>For Elevated Installation >40', Add</i>	64.00	
<i>For Work In Restricted Working Space, Add</i>	34.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.91	
26 05 33 13-1079 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	454.89	69.81
<i>For Elevated Installation >10' To 15', Add</i>	13.96	
<i>For Elevated Installation >15' To 20', Add</i>	27.93	
<i>For Elevated Installation >20' To 25', Add</i>	34.91	
<i>For Elevated Installation >25' To 30', Add</i>	48.87	
<i>For Elevated Installation >30' To 35', Add</i>	55.86	
<i>For Elevated Installation >35' To 40', Add</i>	69.82	
<i>For Elevated Installation >40', Add</i>	76.80	
<i>For Work In Restricted Working Space, Add</i>	41.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.89	
26 05 33 13-1080 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	639.96	98.18
<i>For Elevated Installation >10' To 15', Add</i>	19.64	
<i>For Elevated Installation >15' To 20', Add</i>	39.27	
<i>For Elevated Installation >20' To 25', Add</i>	49.09	
<i>For Elevated Installation >25' To 30', Add</i>	68.73	
<i>For Elevated Installation >30' To 35', Add</i>	78.54	
<i>For Elevated Installation >35' To 40', Add</i>	98.18	
<i>For Elevated Installation >40', Add</i>	108.00	
<i>For Work In Restricted Working Space, Add</i>	58.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.91	
26 05 33 13-1081 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	890.29	130.90
<i>For Elevated Installation >10' To 15', Add</i>	26.18	
<i>For Elevated Installation >15' To 20', Add</i>	52.36	
<i>For Elevated Installation >20' To 25', Add</i>	65.45	
<i>For Elevated Installation >25' To 30', Add</i>	91.63	
<i>For Elevated Installation >30' To 35', Add</i>	104.72	
<i>For Elevated Installation >35' To 40', Add</i>	130.91	
<i>For Elevated Installation >40', Add</i>	144.00	
<i>For Work In Restricted Working Space, Add</i>	78.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.54	
26 05 33 13-1082 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,292.97	163.64
<i>For Elevated Installation >10' To 15', Add</i>	32.73	
<i>For Elevated Installation >15' To 20', Add</i>	65.45	
<i>For Elevated Installation >20' To 25', Add</i>	81.82	
<i>For Elevated Installation >25' To 30', Add</i>	114.54	
<i>For Elevated Installation >30' To 35', Add</i>	130.90	
<i>For Elevated Installation >35' To 40', Add</i>	163.63	
<i>For Elevated Installation >40', Add</i>	179.99	
<i>For Work In Restricted Working Space, Add</i>	98.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.18	
26 05 33 13-1083 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,872.50	199.27
<i>For Elevated Installation >10' To 15', Add</i>	39.85	
<i>For Elevated Installation >15' To 20', Add</i>	79.71	
<i>For Elevated Installation >20' To 25', Add</i>	99.64	
<i>For Elevated Installation >25' To 30', Add</i>	139.49	
<i>For Elevated Installation >30' To 35', Add</i>	159.42	
<i>For Elevated Installation >35' To 40', Add</i>	199.27	
<i>For Elevated Installation >40', Add</i>	219.20	
<i>For Work In Restricted Working Space, Add</i>	119.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.56	
26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>		
26 05 33 13-1085 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	194.84	34.91
<i>For Elevated Installation >10' To 15', Add</i>	6.98	
<i>For Elevated Installation >15' To 20', Add</i>	13.96	
<i>For Elevated Installation >20' To 25', Add</i>	17.45	
<i>For Elevated Installation >25' To 30', Add</i>	24.43	
<i>For Elevated Installation >30' To 35', Add</i>	27.92	
<i>For Elevated Installation >35' To 40', Add</i>	34.91	
<i>For Elevated Installation >40', Add</i>	38.40	
<i>For Work In Restricted Working Space, Add</i>	20.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.94	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	208.36	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33	13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	239.35	45.81
			<i>For Elevated Installation >10' To 15', Add</i>	9.16	
			<i>For Elevated Installation >15' To 20', Add</i>	18.33	
			<i>For Elevated Installation >20' To 25', Add</i>	22.91	
			<i>For Elevated Installation >25' To 30', Add</i>	32.07	
			<i>For Elevated Installation >30' To 35', Add</i>	36.66	
			<i>For Elevated Installation >35' To 40', Add</i>	45.82	
			<i>For Elevated Installation >40', Add</i>	50.40	
			<i>For Work In Restricted Working Space, Add</i>	27.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33	13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	267.45	53.09
			<i>For Elevated Installation >10' To 15', Add</i>	10.62	
			<i>For Elevated Installation >15' To 20', Add</i>	21.24	
			<i>For Elevated Installation >20' To 25', Add</i>	26.55	
			<i>For Elevated Installation >25' To 30', Add</i>	37.16	
			<i>For Elevated Installation >30' To 35', Add</i>	42.47	
			<i>For Elevated Installation >35' To 40', Add</i>	53.09	
			<i>For Elevated Installation >40', Add</i>	58.40	
			<i>For Work In Restricted Working Space, Add</i>	31.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85	
26 05 33	13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	364.63	58.18
			<i>For Elevated Installation >10' To 15', Add</i>	11.64	
			<i>For Elevated Installation >15' To 20', Add</i>	23.27	
			<i>For Elevated Installation >20' To 25', Add</i>	29.09	
			<i>For Elevated Installation >25' To 30', Add</i>	40.73	
			<i>For Elevated Installation >30' To 35', Add</i>	46.54	
			<i>For Elevated Installation >35' To 40', Add</i>	58.18	
			<i>For Elevated Installation >40', Add</i>	64.00	
			<i>For Work In Restricted Working Space, Add</i>	34.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.91	
26 05 33	13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	457.22	69.81
			<i>For Elevated Installation >10' To 15', Add</i>	13.96	
			<i>For Elevated Installation >15' To 20', Add</i>	27.93	
			<i>For Elevated Installation >20' To 25', Add</i>	34.91	
			<i>For Elevated Installation >25' To 30', Add</i>	48.87	
			<i>For Elevated Installation >30' To 35', Add</i>	55.86	
			<i>For Elevated Installation >35' To 40', Add</i>	69.82	
			<i>For Elevated Installation >40', Add</i>	76.80	
			<i>For Work In Restricted Working Space, Add</i>	41.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.89	
26 05 33	13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	707.79	98.18
			<i>For Elevated Installation >10' To 15', Add</i>	19.64	
			<i>For Elevated Installation >15' To 20', Add</i>	39.27	
			<i>For Elevated Installation >20' To 25', Add</i>	49.09	
			<i>For Elevated Installation >25' To 30', Add</i>	68.73	
			<i>For Elevated Installation >30' To 35', Add</i>	78.54	
			<i>For Elevated Installation >35' To 40', Add</i>	98.18	
			<i>For Elevated Installation >40', Add</i>	108.00	
			<i>For Work In Restricted Working Space, Add</i>	58.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.91	
26 05 33	13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	1,028.30	130.90
			<i>For Elevated Installation >10' To 15', Add</i>	26.18	
			<i>For Elevated Installation >15' To 20', Add</i>	52.36	
			<i>For Elevated Installation >20' To 25', Add</i>	65.45	
			<i>For Elevated Installation >25' To 30', Add</i>	91.63	
			<i>For Elevated Installation >30' To 35', Add</i>	104.72	
			<i>For Elevated Installation >35' To 40', Add</i>	130.91	
			<i>For Elevated Installation >40', Add</i>	144.00	
			<i>For Work In Restricted Working Space, Add</i>	78.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.54	
26 05 33	13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	1,292.97	163.64
			<i>For Elevated Installation >10' To 15', Add</i>	32.73	
			<i>For Elevated Installation >15' To 20', Add</i>	65.45	
			<i>For Elevated Installation >20' To 25', Add</i>	81.82	
			<i>For Elevated Installation >25' To 30', Add</i>	114.54	
			<i>For Elevated Installation >30' To 35', Add</i>	130.90	
			<i>For Elevated Installation >35' To 40', Add</i>	163.63	
			<i>For Elevated Installation >40', Add</i>	179.99	
			<i>For Work In Restricted Working Space, Add</i>	98.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.18	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1094		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0848)</small>		
26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	255.34	34.91
		<i>For Elevated Installation >10' To 15', Add</i>	6.98	
		<i>For Elevated Installation >15' To 20', Add</i>	13.96	
		<i>For Elevated Installation >20' To 25', Add</i>	17.45	
		<i>For Elevated Installation >25' To 30', Add</i>	24.43	
		<i>For Elevated Installation >30' To 35', Add</i>	27.92	
		<i>For Elevated Installation >35' To 40', Add</i>	34.91	
		<i>For Elevated Installation >40', Add</i>	38.40	
		<i>For Work In Restricted Working Space, Add</i>	20.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.94	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	283.63	40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00	
		<i>For Elevated Installation >15' To 20', Add</i>	16.00	
		<i>For Elevated Installation >20' To 25', Add</i>	20.00	
		<i>For Elevated Installation >25' To 30', Add</i>	28.00	
		<i>For Elevated Installation >30' To 35', Add</i>	32.00	
		<i>For Elevated Installation >35' To 40', Add</i>	40.00	
		<i>For Elevated Installation >40', Add</i>	44.00	
		<i>For Work In Restricted Working Space, Add</i>	24.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	350.75	45.81
		<i>For Elevated Installation >10' To 15', Add</i>	9.16	
		<i>For Elevated Installation >15' To 20', Add</i>	18.33	
		<i>For Elevated Installation >20' To 25', Add</i>	22.91	
		<i>For Elevated Installation >25' To 30', Add</i>	32.07	
		<i>For Elevated Installation >30' To 35', Add</i>	36.66	
		<i>For Elevated Installation >35' To 40', Add</i>	45.82	
		<i>For Elevated Installation >40', Add</i>	50.40	
		<i>For Work In Restricted Working Space, Add</i>	27.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	431.69	53.09
		<i>For Elevated Installation >10' To 15', Add</i>	10.62	
		<i>For Elevated Installation >15' To 20', Add</i>	21.24	
		<i>For Elevated Installation >20' To 25', Add</i>	26.55	
		<i>For Elevated Installation >25' To 30', Add</i>	37.16	
		<i>For Elevated Installation >30' To 35', Add</i>	42.47	
		<i>For Elevated Installation >35' To 40', Add</i>	53.09	
		<i>For Elevated Installation >40', Add</i>	58.40	
		<i>For Work In Restricted Working Space, Add</i>	31.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85	
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	596.67	58.18
		<i>For Elevated Installation >10' To 15', Add</i>	11.64	
		<i>For Elevated Installation >15' To 20', Add</i>	23.27	
		<i>For Elevated Installation >20' To 25', Add</i>	29.09	
		<i>For Elevated Installation >25' To 30', Add</i>	40.73	
		<i>For Elevated Installation >30' To 35', Add</i>	46.54	
		<i>For Elevated Installation >35' To 40', Add</i>	58.18	
		<i>For Elevated Installation >40', Add</i>	64.00	
		<i>For Work In Restricted Working Space, Add</i>	34.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.91	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	715.12	69.81
		<i>For Elevated Installation >10' To 15', Add</i>	13.96	
		<i>For Elevated Installation >15' To 20', Add</i>	27.93	
		<i>For Elevated Installation >20' To 25', Add</i>	34.91	
		<i>For Elevated Installation >25' To 30', Add</i>	48.87	
		<i>For Elevated Installation >30' To 35', Add</i>	55.86	
		<i>For Elevated Installation >35' To 40', Add</i>	69.82	
		<i>For Elevated Installation >40', Add</i>	76.80	
		<i>For Work In Restricted Working Space, Add</i>	41.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.89	
26 05 33 13-1101		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0848)</small>		
26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	50.71	13.98
		<i>For Elevated Installation >10' To 15', Add</i>	2.80	
		<i>For Elevated Installation >15' To 20', Add</i>	5.60	
		<i>For Elevated Installation >20' To 25', Add</i>	7.00	
		<i>For Elevated Installation >25' To 30', Add</i>	9.79	
		<i>For Elevated Installation >30' To 35', Add</i>	11.19	
		<i>For Elevated Installation >35' To 40', Add</i>	13.99	
		<i>For Elevated Installation >40', Add</i>	15.39	
		<i>For Work In Restricted Working Space, Add</i>	8.39	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	66.88	16.78
			<i>For Elevated Installation >10' To 15', Add</i>	3.36	
			<i>For Elevated Installation >15' To 20', Add</i>	6.71	
			<i>For Elevated Installation >20' To 25', Add</i>	8.39	
			<i>For Elevated Installation >25' To 30', Add</i>	11.75	
			<i>For Elevated Installation >30' To 35', Add</i>	13.43	
			<i>For Elevated Installation >35' To 40', Add</i>	16.79	
			<i>For Elevated Installation >40', Add</i>	18.46	
			<i>For Work In Restricted Working Space, Add</i>	10.07	
26 05 33	13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	85.20	22.37
			<i>For Elevated Installation >10' To 15', Add</i>	4.48	
			<i>For Elevated Installation >15' To 20', Add</i>	8.95	
			<i>For Elevated Installation >20' To 25', Add</i>	11.19	
			<i>For Elevated Installation >25' To 30', Add</i>	15.67	
			<i>For Elevated Installation >30' To 35', Add</i>	17.90	
			<i>For Elevated Installation >35' To 40', Add</i>	22.38	
			<i>For Elevated Installation >40', Add</i>	24.62	
			<i>For Work In Restricted Working Space, Add</i>	13.43	
26 05 33	13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	116.64	27.98
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Work In Restricted Working Space, Add</i>	16.78	
26 05 33	13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	152.40	33.57
			<i>For Elevated Installation >10' To 15', Add</i>	6.71	
			<i>For Elevated Installation >15' To 20', Add</i>	13.43	
			<i>For Elevated Installation >20' To 25', Add</i>	16.78	
			<i>For Elevated Installation >25' To 30', Add</i>	23.50	
			<i>For Elevated Installation >30' To 35', Add</i>	26.85	
			<i>For Elevated Installation >35' To 40', Add</i>	33.57	
			<i>For Elevated Installation >40', Add</i>	36.92	
			<i>For Work In Restricted Working Space, Add</i>	20.14	
26 05 33	13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	258.61	39.16
			<i>For Elevated Installation >10' To 15', Add</i>	7.83	
			<i>For Elevated Installation >15' To 20', Add</i>	15.66	
			<i>For Elevated Installation >20' To 25', Add</i>	19.58	
			<i>For Elevated Installation >25' To 30', Add</i>	27.41	
			<i>For Elevated Installation >30' To 35', Add</i>	31.33	
			<i>For Elevated Installation >35' To 40', Add</i>	39.16	
			<i>For Elevated Installation >40', Add</i>	43.08	
			<i>For Work In Restricted Working Space, Add</i>	23.50	
26 05 33	13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	373.37	44.76
			<i>For Elevated Installation >10' To 15', Add</i>	8.95	
			<i>For Elevated Installation >15' To 20', Add</i>	17.90	
			<i>For Elevated Installation >20' To 25', Add</i>	22.38	
			<i>For Elevated Installation >25' To 30', Add</i>	31.33	
			<i>For Elevated Installation >30' To 35', Add</i>	35.80	
			<i>For Elevated Installation >35' To 40', Add</i>	44.76	
			<i>For Elevated Installation >40', Add</i>	49.23	
			<i>For Work In Restricted Working Space, Add</i>	26.85	
26 05 33	13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	464.71	50.35
			<i>For Elevated Installation >10' To 15', Add</i>	10.07	
			<i>For Elevated Installation >15' To 20', Add</i>	20.14	
			<i>For Elevated Installation >20' To 25', Add</i>	25.18	
			<i>For Elevated Installation >25' To 30', Add</i>	35.25	
			<i>For Elevated Installation >30' To 35', Add</i>	40.28	
			<i>For Elevated Installation >35' To 40', Add</i>	50.35	
			<i>For Elevated Installation >40', Add</i>	55.39	
			<i>For Work In Restricted Working Space, Add</i>	30.21	
26 05 33	13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	644.56	58.74
			<i>For Elevated Installation >10' To 15', Add</i>	11.75	
			<i>For Elevated Installation >15' To 20', Add</i>	23.50	
			<i>For Elevated Installation >20' To 25', Add</i>	29.37	
			<i>For Elevated Installation >25' To 30', Add</i>	41.12	
			<i>For Elevated Installation >30' To 35', Add</i>	46.99	
			<i>For Elevated Installation >35' To 40', Add</i>	58.74	
			<i>For Elevated Installation >40', Add</i>	64.61	
			<i>For Work In Restricted Working Space, Add</i>	35.24	
26 05 33	13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	781.77	67.13
			<i>For Elevated Installation >10' To 15', Add</i>	13.43	
			<i>For Elevated Installation >15' To 20', Add</i>	26.85	
			<i>For Elevated Installation >20' To 25', Add</i>	33.57	
			<i>For Elevated Installation >25' To 30', Add</i>	46.99	
			<i>For Elevated Installation >30' To 35', Add</i>	53.71	
			<i>For Elevated Installation >35' To 40', Add</i>	67.14	
			<i>For Elevated Installation >40', Add</i>	73.85	
			<i>For Work In Restricted Working Space, Add</i>	40.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1112 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,250.99	106.29
For Elevated Installation >10' To 15', Add	21.26	
For Elevated Installation >15' To 20', Add	42.52	
For Elevated Installation >20' To 25', Add	53.15	
For Elevated Installation >25' To 30', Add	74.40	
For Elevated Installation >30' To 35', Add	85.03	
For Elevated Installation >35' To 40', Add	106.29	
For Elevated Installation >40', Add	116.92	
For Work In Restricted Working Space, Add	63.77	
26 05 33 13-1113 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,713.50	162.23
For Elevated Installation >10' To 15', Add	32.45	
For Elevated Installation >15' To 20', Add	64.89	
For Elevated Installation >20' To 25', Add	81.12	
For Elevated Installation >25' To 30', Add	113.56	
For Elevated Installation >30' To 35', Add	129.79	
For Elevated Installation >35' To 40', Add	162.24	
For Elevated Installation >40', Add	178.46	
For Work In Restricted Working Space, Add	97.34	
26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows (26 05 33 13-0848)		
26 05 33 13-1115 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	184.17	34.91
For Elevated Installation >10' To 15', Add	6.98	
For Elevated Installation >15' To 20', Add	13.96	
For Elevated Installation >20' To 25', Add	17.45	
For Elevated Installation >25' To 30', Add	24.43	
For Elevated Installation >30' To 35', Add	27.92	
For Elevated Installation >35' To 40', Add	34.91	
For Elevated Installation >40', Add	38.40	
For Work In Restricted Working Space, Add	20.94	
26 05 33 13-1116 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	217.19	38.55
For Elevated Installation >10' To 15', Add	7.71	
For Elevated Installation >15' To 20', Add	15.42	
For Elevated Installation >20' To 25', Add	19.27	
For Elevated Installation >25' To 30', Add	26.98	
For Elevated Installation >30' To 35', Add	30.84	
For Elevated Installation >35' To 40', Add	38.55	
For Elevated Installation >40', Add	42.40	
For Work In Restricted Working Space, Add	23.13	
26 05 33 13-1117 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	240.32	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
26 05 33 13-1118 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	342.78	53.09
For Elevated Installation >10' To 15', Add	10.62	
For Elevated Installation >15' To 20', Add	21.24	
For Elevated Installation >20' To 25', Add	26.55	
For Elevated Installation >25' To 30', Add	37.16	
For Elevated Installation >30' To 35', Add	42.47	
For Elevated Installation >35' To 40', Add	53.09	
For Elevated Installation >40', Add	58.40	
For Work In Restricted Working Space, Add	31.85	
26 05 33 13-1119 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	449.75	58.18
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.27	
For Elevated Installation >20' To 25', Add	29.09	
For Elevated Installation >25' To 30', Add	40.73	
For Elevated Installation >30' To 35', Add	46.54	
For Elevated Installation >35' To 40', Add	58.18	
For Elevated Installation >40', Add	64.00	
For Work In Restricted Working Space, Add	34.91	
26 05 33 13-1120 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	486.89	69.81
For Elevated Installation >10' To 15', Add	13.96	
For Elevated Installation >15' To 20', Add	27.93	
For Elevated Installation >20' To 25', Add	34.91	
For Elevated Installation >25' To 30', Add	48.87	
For Elevated Installation >30' To 35', Add	55.86	
For Elevated Installation >35' To 40', Add	69.82	
For Elevated Installation >40', Add	76.80	
For Work In Restricted Working Space, Add	41.89	
26 05 33 13-1121 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,136.21	96.72
For Elevated Installation >10' To 15', Add	19.35	
For Elevated Installation >15' To 20', Add	38.69	
For Elevated Installation >20' To 25', Add	48.36	
For Elevated Installation >25' To 30', Add	67.71	
For Elevated Installation >30' To 35', Add	77.38	
For Elevated Installation >35' To 40', Add	96.73	
For Elevated Installation >40', Add	106.40	
For Work In Restricted Working Space, Add	58.04	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,204.80	130.90
			<i>For Elevated Installation >10' To 15', Add</i>	26.18	
			<i>For Elevated Installation >15' To 20', Add</i>	52.36	
			<i>For Elevated Installation >20' To 25', Add</i>	65.46	
			<i>For Elevated Installation >25' To 30', Add</i>	91.64	
			<i>For Elevated Installation >30' To 35', Add</i>	104.73	
			<i>For Elevated Installation >35' To 40', Add</i>	130.91	
			<i>For Elevated Installation >40', Add</i>	144.00	
			<i>For Work In Restricted Working Space, Add</i>	78.55	
26 05 33	13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,960.67	163.64
			<i>For Elevated Installation >10' To 15', Add</i>	32.73	
			<i>For Elevated Installation >15' To 20', Add</i>	65.46	
			<i>For Elevated Installation >20' To 25', Add</i>	81.82	
			<i>For Elevated Installation >25' To 30', Add</i>	114.55	
			<i>For Elevated Installation >30' To 35', Add</i>	130.91	
			<i>For Elevated Installation >35' To 40', Add</i>	163.64	
			<i>For Elevated Installation >40', Add</i>	180.00	
			<i>For Work In Restricted Working Space, Add</i>	98.18	
26 05 33	13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	2,047.80	199.27
			<i>For Elevated Installation >10' To 15', Add</i>	39.86	
			<i>For Elevated Installation >15' To 20', Add</i>	79.71	
			<i>For Elevated Installation >20' To 25', Add</i>	99.64	
			<i>For Elevated Installation >25' To 30', Add</i>	139.50	
			<i>For Elevated Installation >30' To 35', Add</i>	159.43	
			<i>For Elevated Installation >35' To 40', Add</i>	199.29	
			<i>For Elevated Installation >40', Add</i>	219.21	
			<i>For Work In Restricted Working Space, Add</i>	119.57	
26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0848)</small>					
26 05 33	13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	265.56	34.91
			<i>For Elevated Installation >10' To 15', Add</i>	6.98	
			<i>For Elevated Installation >15' To 20', Add</i>	13.96	
			<i>For Elevated Installation >20' To 25', Add</i>	17.45	
			<i>For Elevated Installation >25' To 30', Add</i>	24.43	
			<i>For Elevated Installation >30' To 35', Add</i>	27.92	
			<i>For Elevated Installation >35' To 40', Add</i>	34.91	
			<i>For Elevated Installation >40', Add</i>	38.40	
			<i>For Work In Restricted Working Space, Add</i>	20.94	
26 05 33	13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	302.58	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	590.46	45.81
			<i>For Elevated Installation >10' To 15', Add</i>	9.16	
			<i>For Elevated Installation >15' To 20', Add</i>	18.33	
			<i>For Elevated Installation >20' To 25', Add</i>	22.91	
			<i>For Elevated Installation >25' To 30', Add</i>	32.07	
			<i>For Elevated Installation >30' To 35', Add</i>	36.66	
			<i>For Elevated Installation >35' To 40', Add</i>	45.82	
			<i>For Elevated Installation >40', Add</i>	50.40	
			<i>For Work In Restricted Working Space, Add</i>	27.49	
26 05 33	13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	620.40	53.09
			<i>For Elevated Installation >10' To 15', Add</i>	10.62	
			<i>For Elevated Installation >15' To 20', Add</i>	21.24	
			<i>For Elevated Installation >20' To 25', Add</i>	26.55	
			<i>For Elevated Installation >25' To 30', Add</i>	37.16	
			<i>For Elevated Installation >30' To 35', Add</i>	42.47	
			<i>For Elevated Installation >35' To 40', Add</i>	53.09	
			<i>For Elevated Installation >40', Add</i>	58.40	
			<i>For Work In Restricted Working Space, Add</i>	31.85	
26 05 33	13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	845.23	58.18
			<i>For Elevated Installation >10' To 15', Add</i>	11.64	
			<i>For Elevated Installation >15' To 20', Add</i>	23.27	
			<i>For Elevated Installation >20' To 25', Add</i>	29.09	
			<i>For Elevated Installation >25' To 30', Add</i>	40.73	
			<i>For Elevated Installation >30' To 35', Add</i>	46.54	
			<i>For Elevated Installation >35' To 40', Add</i>	58.18	
			<i>For Elevated Installation >40', Add</i>	64.00	
			<i>For Work In Restricted Working Space, Add</i>	34.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1131 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	903.08	69.81
<i>For Elevated Installation >10' To 15', Add</i>	13.96	
<i>For Elevated Installation >15' To 20', Add</i>	27.93	
<i>For Elevated Installation >20' To 25', Add</i>	34.91	
<i>For Elevated Installation >25' To 30', Add</i>	48.87	
<i>For Elevated Installation >30' To 35', Add</i>	55.86	
<i>For Elevated Installation >35' To 40', Add</i>	69.82	
<i>For Elevated Installation >40', Add</i>	76.80	
<i>For Work In Restricted Working Space, Add</i>	41.89	
26 05 33 13-1132 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,729.32	98.18
<i>For Elevated Installation >10' To 15', Add</i>	19.64	
<i>For Elevated Installation >15' To 20', Add</i>	39.27	
<i>For Elevated Installation >20' To 25', Add</i>	49.09	
<i>For Elevated Installation >25' To 30', Add</i>	68.73	
<i>For Elevated Installation >30' To 35', Add</i>	78.54	
<i>For Elevated Installation >35' To 40', Add</i>	98.18	
<i>For Elevated Installation >40', Add</i>	108.00	
<i>For Work In Restricted Working Space, Add</i>	58.91	
26 05 33 13-1133 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,825.07	130.90
<i>For Elevated Installation >10' To 15', Add</i>	26.18	
<i>For Elevated Installation >15' To 20', Add</i>	52.36	
<i>For Elevated Installation >20' To 25', Add</i>	65.45	
<i>For Elevated Installation >25' To 30', Add</i>	91.63	
<i>For Elevated Installation >30' To 35', Add</i>	104.72	
<i>For Elevated Installation >35' To 40', Add</i>	130.91	
<i>For Elevated Installation >40', Add</i>	144.00	
<i>For Work In Restricted Working Space, Add</i>	78.54	
26 05 33 13-1134 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,668.20	163.64
<i>For Elevated Installation >10' To 15', Add</i>	32.73	
<i>For Elevated Installation >15' To 20', Add</i>	65.45	
<i>For Elevated Installation >20' To 25', Add</i>	81.82	
<i>For Elevated Installation >25' To 30', Add</i>	114.54	
<i>For Elevated Installation >30' To 35', Add</i>	130.90	
<i>For Elevated Installation >35' To 40', Add</i>	163.63	
<i>For Elevated Installation >40', Add</i>	179.99	
<i>For Work In Restricted Working Space, Add</i>	98.18	
26 05 33 13-1135 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	3,024.04	199.27
<i>For Elevated Installation >10' To 15', Add</i>	39.85	
<i>For Elevated Installation >15' To 20', Add</i>	79.71	
<i>For Elevated Installation >20' To 25', Add</i>	99.64	
<i>For Elevated Installation >25' To 30', Add</i>	139.49	
<i>For Elevated Installation >30' To 35', Add</i>	159.42	
<i>For Elevated Installation >35' To 40', Add</i>	199.27	
<i>For Elevated Installation >40', Add</i>	219.20	
<i>For Work In Restricted Working Space, Add</i>	119.56	
26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0848)</small>		
26 05 33 13-1137 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	102.82	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33 13-1138 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	119.91	22.54
<i>For Elevated Installation >10' To 15', Add</i>	4.51	
<i>For Elevated Installation >15' To 20', Add</i>	9.02	
<i>For Elevated Installation >20' To 25', Add</i>	11.27	
<i>For Elevated Installation >25' To 30', Add</i>	15.78	
<i>For Elevated Installation >30' To 35', Add</i>	18.04	
<i>For Elevated Installation >35' To 40', Add</i>	22.55	
<i>For Elevated Installation >40', Add</i>	24.80	
<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33 13-1139 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	142.99	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1140	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	168.68	32.00
			<i>For Elevated Installation >10' To 15', Add</i>	6.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.80	
			<i>For Elevated Installation >20' To 25', Add</i>	16.00	
			<i>For Elevated Installation >25' To 30', Add</i>	22.40	
			<i>For Elevated Installation >30' To 35', Add</i>	25.60	
			<i>For Elevated Installation >35' To 40', Add</i>	32.00	
			<i>For Elevated Installation >40', Add</i>	35.20	
			<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33	13-1141		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0848)</small>		
26 05 33	13-1142	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	81.61	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.55	
			<i>For Elevated Installation >35' To 40', Add</i>	18.19	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33	13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	94.46	22.54
			<i>For Elevated Installation >10' To 15', Add</i>	4.51	
			<i>For Elevated Installation >15' To 20', Add</i>	9.02	
			<i>For Elevated Installation >20' To 25', Add</i>	11.27	
			<i>For Elevated Installation >25' To 30', Add</i>	15.78	
			<i>For Elevated Installation >30' To 35', Add</i>	18.04	
			<i>For Elevated Installation >35' To 40', Add</i>	22.55	
			<i>For Elevated Installation >40', Add</i>	24.80	
			<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33	13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	130.59	27.63
			<i>For Elevated Installation >10' To 15', Add</i>	5.53	
			<i>For Elevated Installation >15' To 20', Add</i>	11.05	
			<i>For Elevated Installation >20' To 25', Add</i>	13.82	
			<i>For Elevated Installation >25' To 30', Add</i>	19.34	
			<i>For Elevated Installation >30' To 35', Add</i>	22.11	
			<i>For Elevated Installation >35' To 40', Add</i>	27.64	
			<i>For Elevated Installation >40', Add</i>	30.40	
			<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33	13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	168.78	32.00
			<i>For Elevated Installation >10' To 15', Add</i>	6.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.80	
			<i>For Elevated Installation >20' To 25', Add</i>	16.00	
			<i>For Elevated Installation >25' To 30', Add</i>	22.40	
			<i>For Elevated Installation >30' To 35', Add</i>	25.60	
			<i>For Elevated Installation >35' To 40', Add</i>	32.00	
			<i>For Elevated Installation >40', Add</i>	35.20	
			<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33	13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	205.22	36.37
			<i>For Elevated Installation >10' To 15', Add</i>	7.27	
			<i>For Elevated Installation >15' To 20', Add</i>	14.54	
			<i>For Elevated Installation >20' To 25', Add</i>	18.18	
			<i>For Elevated Installation >25' To 30', Add</i>	25.45	
			<i>For Elevated Installation >30' To 35', Add</i>	29.09	
			<i>For Elevated Installation >35' To 40', Add</i>	36.36	
			<i>For Elevated Installation >40', Add</i>	40.00	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33	13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	293.04	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	399.72	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1149	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0848)</small>			
26 05 33 13-1150	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	102.86	18.18	
	For Elevated Installation >10' To 15', Add	3.64		
	For Elevated Installation >15' To 20', Add	7.27		
	For Elevated Installation >20' To 25', Add	9.09		
	For Elevated Installation >25' To 30', Add	12.73		
	For Elevated Installation >30' To 35', Add	14.55		
	For Elevated Installation >35' To 40', Add	18.19		
	For Elevated Installation >40', Add	20.00		
	For Work In Restricted Working Space, Add	10.91		
26 05 33 13-1151	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	122.84	22.54	
	For Elevated Installation >10' To 15', Add	4.51		
	For Elevated Installation >15' To 20', Add	9.02		
	For Elevated Installation >20' To 25', Add	11.27		
	For Elevated Installation >25' To 30', Add	15.78		
	For Elevated Installation >30' To 35', Add	18.04		
	For Elevated Installation >35' To 40', Add	22.55		
	For Elevated Installation >40', Add	24.80		
	For Work In Restricted Working Space, Add	13.53		
26 05 33 13-1152	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	143.02	27.63	
	For Elevated Installation >10' To 15', Add	5.53		
	For Elevated Installation >15' To 20', Add	11.05		
	For Elevated Installation >20' To 25', Add	13.82		
	For Elevated Installation >25' To 30', Add	19.34		
	For Elevated Installation >30' To 35', Add	22.11		
	For Elevated Installation >35' To 40', Add	27.64		
	For Elevated Installation >40', Add	30.40		
	For Work In Restricted Working Space, Add	16.58		
26 05 33 13-1153	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	168.73	32.00	
	For Elevated Installation >10' To 15', Add	6.40		
	For Elevated Installation >15' To 20', Add	12.80		
	For Elevated Installation >20' To 25', Add	16.00		
	For Elevated Installation >25' To 30', Add	22.40		
	For Elevated Installation >30' To 35', Add	25.60		
	For Elevated Installation >35' To 40', Add	32.00		
	For Elevated Installation >40', Add	35.20		
	For Work In Restricted Working Space, Add	19.20		
26 05 33 13-1154	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0848)</small>			
26 05 33 13-1155	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	81.69	18.18	
	For Elevated Installation >10' To 15', Add	3.64		
	For Elevated Installation >15' To 20', Add	7.27		
	For Elevated Installation >20' To 25', Add	9.09		
	For Elevated Installation >25' To 30', Add	12.73		
	For Elevated Installation >30' To 35', Add	14.55		
	For Elevated Installation >35' To 40', Add	18.19		
	For Elevated Installation >40', Add	20.00		
	For Work In Restricted Working Space, Add	10.91		
26 05 33 13-1156	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	94.46	22.54	
	For Elevated Installation >10' To 15', Add	4.51		
	For Elevated Installation >15' To 20', Add	9.02		
	For Elevated Installation >20' To 25', Add	11.27		
	For Elevated Installation >25' To 30', Add	15.78		
	For Elevated Installation >30' To 35', Add	18.04		
	For Elevated Installation >35' To 40', Add	22.55		
	For Elevated Installation >40', Add	24.80		
	For Work In Restricted Working Space, Add	13.53		
26 05 33 13-1157	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	121.81	27.63	
	For Elevated Installation >10' To 15', Add	5.53		
	For Elevated Installation >15' To 20', Add	11.05		
	For Elevated Installation >20' To 25', Add	13.82		
	For Elevated Installation >25' To 30', Add	19.34		
	For Elevated Installation >30' To 35', Add	22.11		
	For Elevated Installation >35' To 40', Add	27.64		
	For Elevated Installation >40', Add	30.40		
	For Work In Restricted Working Space, Add	16.58		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	151.72	32.00
			<i>For Elevated Installation >10' To 15', Add</i>	6.40	
			<i>For Elevated Installation >15' To 20', Add</i>	12.80	
			<i>For Elevated Installation >20' To 25', Add</i>	16.00	
			<i>For Elevated Installation >25' To 30', Add</i>	22.40	
			<i>For Elevated Installation >30' To 35', Add</i>	25.60	
			<i>For Elevated Installation >35' To 40', Add</i>	32.00	
			<i>For Elevated Installation >40', Add</i>	35.20	
			<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33	13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	177.45	36.37
			<i>For Elevated Installation >10' To 15', Add</i>	7.27	
			<i>For Elevated Installation >15' To 20', Add</i>	14.54	
			<i>For Elevated Installation >20' To 25', Add</i>	18.18	
			<i>For Elevated Installation >25' To 30', Add</i>	25.45	
			<i>For Elevated Installation >30' To 35', Add</i>	29.09	
			<i>For Elevated Installation >35' To 40', Add</i>	36.36	
			<i>For Elevated Installation >40', Add</i>	40.00	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33	13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	204.09	40.00
			<i>For Elevated Installation >10' To 15', Add</i>	8.00	
			<i>For Elevated Installation >15' To 20', Add</i>	16.00	
			<i>For Elevated Installation >20' To 25', Add</i>	20.00	
			<i>For Elevated Installation >25' To 30', Add</i>	28.00	
			<i>For Elevated Installation >30' To 35', Add</i>	32.00	
			<i>For Elevated Installation >35' To 40', Add</i>	40.00	
			<i>For Elevated Installation >40', Add</i>	44.00	
			<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33	13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	377.04	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	433.95	68.36
			<i>For Elevated Installation >10' To 15', Add</i>	13.67	
			<i>For Elevated Installation >15' To 20', Add</i>	27.35	
			<i>For Elevated Installation >20' To 25', Add</i>	34.18	
			<i>For Elevated Installation >25' To 30', Add</i>	47.86	
			<i>For Elevated Installation >30' To 35', Add</i>	54.69	
			<i>For Elevated Installation >35' To 40', Add</i>	68.37	
			<i>For Elevated Installation >40', Add</i>	75.20	
			<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33	13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	468.75	77.09
			<i>For Elevated Installation >10' To 15', Add</i>	15.42	
			<i>For Elevated Installation >15' To 20', Add</i>	30.84	
			<i>For Elevated Installation >20' To 25', Add</i>	38.55	
			<i>For Elevated Installation >25' To 30', Add</i>	53.96	
			<i>For Elevated Installation >30' To 35', Add</i>	61.67	
			<i>For Elevated Installation >35' To 40', Add</i>	77.09	
			<i>For Elevated Installation >40', Add</i>	84.80	
			<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33	13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	579.20	100.36
			<i>For Elevated Installation >10' To 15', Add</i>	20.07	
			<i>For Elevated Installation >15' To 20', Add</i>	40.15	
			<i>For Elevated Installation >20' To 25', Add</i>	50.18	
			<i>For Elevated Installation >25' To 30', Add</i>	70.26	
			<i>For Elevated Installation >30' To 35', Add</i>	80.29	
			<i>For Elevated Installation >35' To 40', Add</i>	100.37	
			<i>For Elevated Installation >40', Add</i>	110.40	
			<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33	13-1165		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0848)</small>		
26 05 33	13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	170.44	34.91
			<i>For Elevated Installation >10' To 15', Add</i>	6.98	
			<i>For Elevated Installation >15' To 20', Add</i>	13.96	
			<i>For Elevated Installation >20' To 25', Add</i>	17.45	
			<i>For Elevated Installation >25' To 30', Add</i>	24.43	
			<i>For Elevated Installation >30' To 35', Add</i>	27.92	
			<i>For Elevated Installation >35' To 40', Add</i>	34.91	
			<i>For Elevated Installation >40', Add</i>	38.40	
			<i>For Work In Restricted Working Space, Add</i>	20.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1167 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow 184.58	184.58	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
<i>For Work In Restricted Working Space, Add</i>	24.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00	
26 05 33 13-1168 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow 202.41	202.41	45.81
<i>For Elevated Installation >10' To 15', Add</i>	9.16	
<i>For Elevated Installation >15' To 20', Add</i>	18.33	
<i>For Elevated Installation >20' To 25', Add</i>	22.91	
<i>For Elevated Installation >25' To 30', Add</i>	32.07	
<i>For Elevated Installation >30' To 35', Add</i>	36.66	
<i>For Elevated Installation >35' To 40', Add</i>	45.82	
<i>For Elevated Installation >40', Add</i>	50.40	
<i>For Work In Restricted Working Space, Add</i>	27.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.49	
26 05 33 13-1169 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow 270.41	270.41	53.09
<i>For Elevated Installation >10' To 15', Add</i>	10.62	
<i>For Elevated Installation >15' To 20', Add</i>	21.24	
<i>For Elevated Installation >20' To 25', Add</i>	26.55	
<i>For Elevated Installation >25' To 30', Add</i>	37.16	
<i>For Elevated Installation >30' To 35', Add</i>	42.47	
<i>For Elevated Installation >35' To 40', Add</i>	53.09	
<i>For Elevated Installation >40', Add</i>	58.40	
<i>For Work In Restricted Working Space, Add</i>	31.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85	
26 05 33 13-1170 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow 342.48	342.48	58.18
<i>For Elevated Installation >10' To 15', Add</i>	11.64	
<i>For Elevated Installation >15' To 20', Add</i>	23.27	
<i>For Elevated Installation >20' To 25', Add</i>	29.09	
<i>For Elevated Installation >25' To 30', Add</i>	40.73	
<i>For Elevated Installation >30' To 35', Add</i>	46.54	
<i>For Elevated Installation >35' To 40', Add</i>	58.18	
<i>For Elevated Installation >40', Add</i>	64.00	
<i>For Work In Restricted Working Space, Add</i>	34.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.91	
26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover		
<small>(26 05 33 13-0848)</small>		
26 05 33 13-1172 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover 204.04	204.04	34.91
<i>For Elevated Installation >10' To 15', Add</i>	6.98	
<i>For Elevated Installation >15' To 20', Add</i>	13.96	
<i>For Elevated Installation >20' To 25', Add</i>	17.45	
<i>For Elevated Installation >25' To 30', Add</i>	24.43	
<i>For Elevated Installation >30' To 35', Add</i>	27.92	
<i>For Elevated Installation >35' To 40', Add</i>	34.91	
<i>For Elevated Installation >40', Add</i>	38.40	
<i>For Work In Restricted Working Space, Add</i>	20.94	
26 05 33 13-1173 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover 220.24	220.24	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33 13-1174 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover 257.28	257.28	45.81
<i>For Elevated Installation >10' To 15', Add</i>	9.16	
<i>For Elevated Installation >15' To 20', Add</i>	18.33	
<i>For Elevated Installation >20' To 25', Add</i>	22.91	
<i>For Elevated Installation >25' To 30', Add</i>	32.07	
<i>For Elevated Installation >30' To 35', Add</i>	36.66	
<i>For Elevated Installation >35' To 40', Add</i>	45.82	
<i>For Elevated Installation >40', Add</i>	50.40	
<i>For Work In Restricted Working Space, Add</i>	27.49	
26 05 33 13-1175 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover 365.66	365.66	53.09
<i>For Elevated Installation >10' To 15', Add</i>	10.62	
<i>For Elevated Installation >15' To 20', Add</i>	21.24	
<i>For Elevated Installation >20' To 25', Add</i>	26.55	
<i>For Elevated Installation >25' To 30', Add</i>	37.16	
<i>For Elevated Installation >30' To 35', Add</i>	42.47	
<i>For Elevated Installation >35' To 40', Add</i>	53.09	
<i>For Elevated Installation >40', Add</i>	58.40	
<i>For Work In Restricted Working Space, Add</i>	31.85	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	589.27		58.18
		<i>For Elevated Installation >10' To 15', Add</i>	11.64		
		<i>For Elevated Installation >15' To 20', Add</i>	23.27		
		<i>For Elevated Installation >20' To 25', Add</i>	29.09		
		<i>For Elevated Installation >25' To 30', Add</i>	40.73		
		<i>For Elevated Installation >30' To 35', Add</i>	46.54		
		<i>For Elevated Installation >35' To 40', Add</i>	58.18		
		<i>For Elevated Installation >40', Add</i>	64.00		
		<i>For Work In Restricted Working Space, Add</i>	34.91		
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	637.90		69.81
		<i>For Elevated Installation >10' To 15', Add</i>	13.96		
		<i>For Elevated Installation >15' To 20', Add</i>	27.93		
		<i>For Elevated Installation >20' To 25', Add</i>	34.91		
		<i>For Elevated Installation >25' To 30', Add</i>	48.87		
		<i>For Elevated Installation >30' To 35', Add</i>	55.86		
		<i>For Elevated Installation >35' To 40', Add</i>	69.82		
		<i>For Elevated Installation >40', Add</i>	76.80		
		<i>For Work In Restricted Working Space, Add</i>	41.89		
26 05 33 13-1178 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0848)</small>					
26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	223.10		34.91
		<i>For Elevated Installation >10' To 15', Add</i>	6.98		
		<i>For Elevated Installation >15' To 20', Add</i>	13.96		
		<i>For Elevated Installation >20' To 25', Add</i>	17.45		
		<i>For Elevated Installation >25' To 30', Add</i>	24.43		
		<i>For Elevated Installation >30' To 35', Add</i>	27.92		
		<i>For Elevated Installation >35' To 40', Add</i>	34.91		
		<i>For Elevated Installation >40', Add</i>	38.40		
		<i>For Work In Restricted Working Space, Add</i>	20.94		
26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	252.05		40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00		
		<i>For Elevated Installation >15' To 20', Add</i>	16.00		
		<i>For Elevated Installation >20' To 25', Add</i>	20.00		
		<i>For Elevated Installation >25' To 30', Add</i>	28.00		
		<i>For Elevated Installation >30' To 35', Add</i>	32.00		
		<i>For Elevated Installation >35' To 40', Add</i>	40.00		
		<i>For Elevated Installation >40', Add</i>	44.00		
		<i>For Work In Restricted Working Space, Add</i>	24.00		
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	275.43		45.81
		<i>For Elevated Installation >10' To 15', Add</i>	9.16		
		<i>For Elevated Installation >15' To 20', Add</i>	18.33		
		<i>For Elevated Installation >20' To 25', Add</i>	22.91		
		<i>For Elevated Installation >25' To 30', Add</i>	32.07		
		<i>For Elevated Installation >30' To 35', Add</i>	36.66		
		<i>For Elevated Installation >35' To 40', Add</i>	45.82		
		<i>For Elevated Installation >40', Add</i>	50.40		
		<i>For Work In Restricted Working Space, Add</i>	27.49		
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	384.09		53.09
		<i>For Elevated Installation >10' To 15', Add</i>	10.62		
		<i>For Elevated Installation >15' To 20', Add</i>	21.24		
		<i>For Elevated Installation >20' To 25', Add</i>	26.55		
		<i>For Elevated Installation >25' To 30', Add</i>	37.16		
		<i>For Elevated Installation >30' To 35', Add</i>	42.47		
		<i>For Elevated Installation >35' To 40', Add</i>	53.09		
		<i>For Elevated Installation >40', Add</i>	58.40		
		<i>For Work In Restricted Working Space, Add</i>	31.85		
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	633.25		58.18
		<i>For Elevated Installation >10' To 15', Add</i>	11.64		
		<i>For Elevated Installation >15' To 20', Add</i>	23.27		
		<i>For Elevated Installation >20' To 25', Add</i>	29.09		
		<i>For Elevated Installation >25' To 30', Add</i>	40.73		
		<i>For Elevated Installation >30' To 35', Add</i>	46.54		
		<i>For Elevated Installation >35' To 40', Add</i>	58.18		
		<i>For Elevated Installation >40', Add</i>	64.00		
		<i>For Work In Restricted Working Space, Add</i>	34.91		
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	678.27		69.81
		<i>For Elevated Installation >10' To 15', Add</i>	13.96		
		<i>For Elevated Installation >15' To 20', Add</i>	27.93		
		<i>For Elevated Installation >20' To 25', Add</i>	34.91		
		<i>For Elevated Installation >25' To 30', Add</i>	48.87		
		<i>For Elevated Installation >30' To 35', Add</i>	55.86		
		<i>For Elevated Installation >35' To 40', Add</i>	69.82		
		<i>For Elevated Installation >40', Add</i>	76.80		
		<i>For Work In Restricted Working Space, Add</i>	41.89		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0848)</small>		
26 05 33 13-1186 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	223.25	34.91
For Elevated Installation >10' To 15', Add	6.98	
For Elevated Installation >15' To 20', Add	13.96	
For Elevated Installation >20' To 25', Add	17.45	
For Elevated Installation >25' To 30', Add	24.43	
For Elevated Installation >30' To 35', Add	27.92	
For Elevated Installation >35' To 40', Add	34.91	
For Elevated Installation >40', Add	38.40	
For Work In Restricted Working Space, Add	20.94	
26 05 33 13-1187 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	246.42	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	
26 05 33 13-1188 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	292.94	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
26 05 33 13-1189 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	398.14	53.09
For Elevated Installation >10' To 15', Add	10.62	
For Elevated Installation >15' To 20', Add	21.24	
For Elevated Installation >20' To 25', Add	26.55	
For Elevated Installation >25' To 30', Add	37.16	
For Elevated Installation >30' To 35', Add	42.47	
For Elevated Installation >35' To 40', Add	53.09	
For Elevated Installation >40', Add	58.40	
For Work In Restricted Working Space, Add	31.85	
26 05 33 13-1190 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	654.21	58.18
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.27	
For Elevated Installation >20' To 25', Add	29.09	
For Elevated Installation >25' To 30', Add	40.73	
For Elevated Installation >30' To 35', Add	46.54	
For Elevated Installation >35' To 40', Add	58.18	
For Elevated Installation >40', Add	64.00	
For Work In Restricted Working Space, Add	34.91	
26 05 33 13-1191 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	704.10	69.81
For Elevated Installation >10' To 15', Add	13.96	
For Elevated Installation >15' To 20', Add	27.93	
For Elevated Installation >20' To 25', Add	34.91	
For Elevated Installation >25' To 30', Add	48.87	
For Elevated Installation >30' To 35', Add	55.86	
For Elevated Installation >35' To 40', Add	69.82	
For Elevated Installation >40', Add	76.80	
For Work In Restricted Working Space, Add	41.89	
26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0848)</small>		
26 05 33 13-1193 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	276.04	34.91
For Elevated Installation >10' To 15', Add	6.98	
For Elevated Installation >15' To 20', Add	13.96	
For Elevated Installation >20' To 25', Add	17.45	
For Elevated Installation >25' To 30', Add	24.43	
For Elevated Installation >30' To 35', Add	27.92	
For Elevated Installation >35' To 40', Add	34.91	
For Elevated Installation >40', Add	38.40	
For Work In Restricted Working Space, Add	20.94	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	305.10	40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00	
		<i>For Elevated Installation >15' To 20', Add</i>	16.00	
		<i>For Elevated Installation >20' To 25', Add</i>	20.00	
		<i>For Elevated Installation >25' To 30', Add</i>	28.00	
		<i>For Elevated Installation >30' To 35', Add</i>	32.00	
		<i>For Elevated Installation >35' To 40', Add</i>	40.00	
		<i>For Elevated Installation >40', Add</i>	44.00	
		<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	331.10	45.81
		<i>For Elevated Installation >10' To 15', Add</i>	9.16	
		<i>For Elevated Installation >15' To 20', Add</i>	18.33	
		<i>For Elevated Installation >20' To 25', Add</i>	22.91	
		<i>For Elevated Installation >25' To 30', Add</i>	32.07	
		<i>For Elevated Installation >30' To 35', Add</i>	36.66	
		<i>For Elevated Installation >35' To 40', Add</i>	45.82	
		<i>For Elevated Installation >40', Add</i>	50.40	
		<i>For Work In Restricted Working Space, Add</i>	27.49	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	824.76	53.09
		<i>For Elevated Installation >10' To 15', Add</i>	10.62	
		<i>For Elevated Installation >15' To 20', Add</i>	21.24	
		<i>For Elevated Installation >20' To 25', Add</i>	26.55	
		<i>For Elevated Installation >25' To 30', Add</i>	37.16	
		<i>For Elevated Installation >30' To 35', Add</i>	42.47	
		<i>For Elevated Installation >35' To 40', Add</i>	53.09	
		<i>For Elevated Installation >40', Add</i>	58.40	
		<i>For Work In Restricted Working Space, Add</i>	31.85	
26 05 33 13-1197		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes <small>(26 05 33 13-0848)</small>		
		Note: Excludes cover.		
26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	135.29	34.91
		<i>For Elevated Installation >10' To 15', Add</i>	6.98	
		<i>For Elevated Installation >15' To 20', Add</i>	13.96	
		<i>For Elevated Installation >20' To 25', Add</i>	17.45	
		<i>For Elevated Installation >25' To 30', Add</i>	24.43	
		<i>For Elevated Installation >30' To 35', Add</i>	27.92	
		<i>For Elevated Installation >35' To 40', Add</i>	34.91	
		<i>For Elevated Installation >40', Add</i>	38.40	
		<i>For Work In Restricted Working Space, Add</i>	20.94	
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	149.02	40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00	
		<i>For Elevated Installation >15' To 20', Add</i>	16.00	
		<i>For Elevated Installation >20' To 25', Add</i>	20.00	
		<i>For Elevated Installation >25' To 30', Add</i>	28.00	
		<i>For Elevated Installation >30' To 35', Add</i>	32.00	
		<i>For Elevated Installation >35' To 40', Add</i>	40.00	
		<i>For Elevated Installation >40', Add</i>	44.00	
		<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	166.58	45.81
		<i>For Elevated Installation >10' To 15', Add</i>	9.16	
		<i>For Elevated Installation >15' To 20', Add</i>	18.33	
		<i>For Elevated Installation >20' To 25', Add</i>	22.91	
		<i>For Elevated Installation >25' To 30', Add</i>	32.07	
		<i>For Elevated Installation >30' To 35', Add</i>	36.66	
		<i>For Elevated Installation >35' To 40', Add</i>	45.82	
		<i>For Elevated Installation >40', Add</i>	50.40	
		<i>For Work In Restricted Working Space, Add</i>	27.49	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	149.60	34.91
		<i>For Elevated Installation >10' To 15', Add</i>	6.98	
		<i>For Elevated Installation >15' To 20', Add</i>	13.96	
		<i>For Elevated Installation >20' To 25', Add</i>	17.45	
		<i>For Elevated Installation >25' To 30', Add</i>	24.43	
		<i>For Elevated Installation >30' To 35', Add</i>	27.92	
		<i>For Elevated Installation >35' To 40', Add</i>	34.91	
		<i>For Elevated Installation >40', Add</i>	38.40	
		<i>For Work In Restricted Working Space, Add</i>	20.94	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	161.54	40.00
		<i>For Elevated Installation >10' To 15', Add</i>	8.00	
		<i>For Elevated Installation >15' To 20', Add</i>	16.00	
		<i>For Elevated Installation >20' To 25', Add</i>	20.00	
		<i>For Elevated Installation >25' To 30', Add</i>	28.00	
		<i>For Elevated Installation >30' To 35', Add</i>	32.00	
		<i>For Elevated Installation >35' To 40', Add</i>	40.00	
		<i>For Elevated Installation >40', Add</i>	44.00	
		<i>For Work In Restricted Working Space, Add</i>	24.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1203 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	183.97	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0848)</small>		
Note: Excludes cover.		
26 05 33 13-1205 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	142.05	34.91
For Elevated Installation >10' To 15', Add	6.98	
For Elevated Installation >15' To 20', Add	13.96	
For Elevated Installation >20' To 25', Add	17.45	
For Elevated Installation >25' To 30', Add	24.43	
For Elevated Installation >30' To 35', Add	27.92	
For Elevated Installation >35' To 40', Add	34.91	
For Elevated Installation >40', Add	38.40	
For Work In Restricted Working Space, Add	20.94	
26 05 33 13-1206 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	156.63	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	
26 05 33 13-1207 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	171.84	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
26 05 33 13-1208 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	159.28	34.91
For Elevated Installation >10' To 15', Add	6.98	
For Elevated Installation >15' To 20', Add	13.96	
For Elevated Installation >20' To 25', Add	17.45	
For Elevated Installation >25' To 30', Add	24.43	
For Elevated Installation >30' To 35', Add	27.92	
For Elevated Installation >35' To 40', Add	34.91	
For Elevated Installation >40', Add	38.40	
For Work In Restricted Working Space, Add	20.94	
26 05 33 13-1209 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	174.03	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	
26 05 33 13-1210 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	196.83	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0848)</small>		
26 05 33 13-1212 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	49.23	4.37
For Elevated Installation >10' To 15', Add	0.87	
For Elevated Installation >15' To 20', Add	1.74	
For Elevated Installation >20' To 25', Add	2.18	
For Elevated Installation >25' To 30', Add	3.05	
For Elevated Installation >30' To 35', Add	3.49	
For Elevated Installation >35' To 40', Add	4.36	
For Elevated Installation >40', Add	4.80	
For Work In Restricted Working Space, Add	2.62	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	66.85	5.09
			<i>For Elevated Installation >10' To 15', Add</i>	1.02	
			<i>For Elevated Installation >15' To 20', Add</i>	2.04	
			<i>For Elevated Installation >20' To 25', Add</i>	2.55	
			<i>For Elevated Installation >25' To 30', Add</i>	3.56	
			<i>For Elevated Installation >30' To 35', Add</i>	4.07	
			<i>For Elevated Installation >35' To 40', Add</i>	5.09	
			<i>For Elevated Installation >40', Add</i>	5.60	
			<i>For Work In Restricted Working Space, Add</i>	3.05	
26 05 33	13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	63.14	5.09
			<i>For Elevated Installation >10' To 15', Add</i>	1.02	
			<i>For Elevated Installation >15' To 20', Add</i>	2.04	
			<i>For Elevated Installation >20' To 25', Add</i>	2.55	
			<i>For Elevated Installation >25' To 30', Add</i>	3.56	
			<i>For Elevated Installation >30' To 35', Add</i>	4.07	
			<i>For Elevated Installation >35' To 40', Add</i>	5.09	
			<i>For Elevated Installation >40', Add</i>	5.60	
			<i>For Work In Restricted Working Space, Add</i>	3.05	
26 05 33	13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	56.20	5.09
			<i>For Elevated Installation >10' To 15', Add</i>	1.02	
			<i>For Elevated Installation >15' To 20', Add</i>	2.04	
			<i>For Elevated Installation >20' To 25', Add</i>	2.55	
			<i>For Elevated Installation >25' To 30', Add</i>	3.56	
			<i>For Elevated Installation >30' To 35', Add</i>	4.07	
			<i>For Elevated Installation >35' To 40', Add</i>	5.09	
			<i>For Elevated Installation >40', Add</i>	5.60	
			<i>For Work In Restricted Working Space, Add</i>	3.05	
26 05 33	13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	271.69	7.28
			<i>For Elevated Installation >10' To 15', Add</i>	1.45	
			<i>For Elevated Installation >15' To 20', Add</i>	2.91	
			<i>For Elevated Installation >20' To 25', Add</i>	3.64	
			<i>For Elevated Installation >25' To 30', Add</i>	5.09	
			<i>For Elevated Installation >30' To 35', Add</i>	5.82	
			<i>For Elevated Installation >35' To 40', Add</i>	7.27	
			<i>For Elevated Installation >40', Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
26 05 33	13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover.....	241.61	7.28
			<i>For Elevated Installation >10' To 15', Add</i>	1.45	
			<i>For Elevated Installation >15' To 20', Add</i>	2.91	
			<i>For Elevated Installation >20' To 25', Add</i>	3.64	
			<i>For Elevated Installation >25' To 30', Add</i>	5.09	
			<i>For Elevated Installation >30' To 35', Add</i>	5.82	
			<i>For Elevated Installation >35' To 40', Add</i>	7.27	
			<i>For Elevated Installation >40', Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
26 05 33	13-1218		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0848)</small>		
			Note: Includes covers.		
26 05 33	13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	289.06	45.81
			<i>For Elevated Installation >10' To 15', Add</i>	9.16	
			<i>For Elevated Installation >15' To 20', Add</i>	18.33	
			<i>For Elevated Installation >20' To 25', Add</i>	22.91	
			<i>For Elevated Installation >25' To 30', Add</i>	32.07	
			<i>For Elevated Installation >30' To 35', Add</i>	36.66	
			<i>For Elevated Installation >35' To 40', Add</i>	45.82	
			<i>For Elevated Installation >40', Add</i>	50.40	
			<i>For Work In Restricted Working Space, Add</i>	27.49	
26 05 33	13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	324.90	53.09
			<i>For Elevated Installation >10' To 15', Add</i>	10.62	
			<i>For Elevated Installation >15' To 20', Add</i>	21.24	
			<i>For Elevated Installation >20' To 25', Add</i>	26.55	
			<i>For Elevated Installation >25' To 30', Add</i>	37.16	
			<i>For Elevated Installation >30' To 35', Add</i>	42.47	
			<i>For Elevated Installation >35' To 40', Add</i>	53.09	
			<i>For Elevated Installation >40', Add</i>	58.40	
			<i>For Work In Restricted Working Space, Add</i>	31.85	
26 05 33	13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	446.55	58.18
			<i>For Elevated Installation >10' To 15', Add</i>	11.64	
			<i>For Elevated Installation >15' To 20', Add</i>	23.27	
			<i>For Elevated Installation >20' To 25', Add</i>	29.09	
			<i>For Elevated Installation >25' To 30', Add</i>	40.73	
			<i>For Elevated Installation >30' To 35', Add</i>	46.54	
			<i>For Elevated Installation >35' To 40', Add</i>	58.18	
			<i>For Elevated Installation >40', Add</i>	64.00	
			<i>For Work In Restricted Working Space, Add</i>	34.91	
26 05 33	13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	532.18	69.81
			<i>For Elevated Installation >10' To 15', Add</i>	13.96	
			<i>For Elevated Installation >15' To 20', Add</i>	27.93	
			<i>For Elevated Installation >20' To 25', Add</i>	34.91	
			<i>For Elevated Installation >25' To 30', Add</i>	48.87	
			<i>For Elevated Installation >30' To 35', Add</i>	55.86	
			<i>For Elevated Installation >35' To 40', Add</i>	69.82	
			<i>For Elevated Installation >40', Add</i>	76.80	
			<i>For Work In Restricted Working Space, Add</i>	41.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1223 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	768.44	98.18
For Elevated Installation >10' To 15', Add	19.64	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.73	
For Elevated Installation >30' To 35', Add	78.54	
For Elevated Installation >35' To 40', Add	98.18	
For Elevated Installation >40', Add	108.00	
For Work In Restricted Working Space, Add	58.91	
26 05 33 13-1224 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	970.57	130.90
For Elevated Installation >10' To 15', Add	26.18	
For Elevated Installation >15' To 20', Add	52.36	
For Elevated Installation >20' To 25', Add	65.45	
For Elevated Installation >25' To 30', Add	91.63	
For Elevated Installation >30' To 35', Add	104.72	
For Elevated Installation >35' To 40', Add	130.91	
For Elevated Installation >40', Add	144.00	
For Work In Restricted Working Space, Add	78.54	
26 05 33 13-1225 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,418.83	163.64
For Elevated Installation >10' To 15', Add	32.73	
For Elevated Installation >15' To 20', Add	65.45	
For Elevated Installation >20' To 25', Add	81.82	
For Elevated Installation >25' To 30', Add	114.54	
For Elevated Installation >30' To 35', Add	130.90	
For Elevated Installation >35' To 40', Add	163.63	
For Elevated Installation >40', Add	179.99	
For Work In Restricted Working Space, Add	98.18	
26 05 33 13-1226 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,759.99	199.27
For Elevated Installation >10' To 15', Add	39.85	
For Elevated Installation >15' To 20', Add	79.71	
For Elevated Installation >20' To 25', Add	99.64	
For Elevated Installation >25' To 30', Add	139.49	
For Elevated Installation >30' To 35', Add	159.42	
For Elevated Installation >35' To 40', Add	199.27	
For Elevated Installation >40', Add	219.20	
For Work In Restricted Working Space, Add	119.56	
26 05 33 13-1227 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	289.06	45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
26 05 33 13-1228 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	324.90	53.09
For Elevated Installation >10' To 15', Add	10.62	
For Elevated Installation >15' To 20', Add	21.24	
For Elevated Installation >20' To 25', Add	26.55	
For Elevated Installation >25' To 30', Add	37.16	
For Elevated Installation >30' To 35', Add	42.47	
For Elevated Installation >35' To 40', Add	53.09	
For Elevated Installation >40', Add	58.40	
For Work In Restricted Working Space, Add	31.85	
26 05 33 13-1229 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	445.34	58.18
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.27	
For Elevated Installation >20' To 25', Add	29.09	
For Elevated Installation >25' To 30', Add	40.73	
For Elevated Installation >30' To 35', Add	46.54	
For Elevated Installation >35' To 40', Add	58.18	
For Elevated Installation >40', Add	64.00	
For Work In Restricted Working Space, Add	34.91	
26 05 33 13-1230 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	519.93	69.81
For Elevated Installation >10' To 15', Add	13.96	
For Elevated Installation >15' To 20', Add	27.93	
For Elevated Installation >20' To 25', Add	34.91	
For Elevated Installation >25' To 30', Add	48.87	
For Elevated Installation >30' To 35', Add	55.86	
For Elevated Installation >35' To 40', Add	69.82	
For Elevated Installation >40', Add	76.80	
For Work In Restricted Working Space, Add	41.89	
26 05 33 13-1231 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	779.72	98.18
For Elevated Installation >10' To 15', Add	19.64	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.73	
For Elevated Installation >30' To 35', Add	78.54	
For Elevated Installation >35' To 40', Add	98.18	
For Elevated Installation >40', Add	108.00	
For Work In Restricted Working Space, Add	58.91	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,021.17	1,021.17	130.90
			<i>For Elevated Installation >10' To 15', Add</i>	26.18	
			<i>For Elevated Installation >15' To 20', Add</i>	52.36	
			<i>For Elevated Installation >20' To 25', Add</i>	65.45	
			<i>For Elevated Installation >25' To 30', Add</i>	91.63	
			<i>For Elevated Installation >30' To 35', Add</i>	104.72	
			<i>For Elevated Installation >35' To 40', Add</i>	130.91	
			<i>For Elevated Installation >40', Add</i>	144.00	
			<i>For Work In Restricted Working Space, Add</i>	78.54	
26 05 33	13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,479.91	1,479.91	163.64
			<i>For Elevated Installation >10' To 15', Add</i>	32.73	
			<i>For Elevated Installation >15' To 20', Add</i>	65.45	
			<i>For Elevated Installation >20' To 25', Add</i>	81.82	
			<i>For Elevated Installation >25' To 30', Add</i>	114.54	
			<i>For Elevated Installation >30' To 35', Add</i>	130.90	
			<i>For Elevated Installation >35' To 40', Add</i>	163.63	
			<i>For Elevated Installation >40', Add</i>	179.99	
			<i>For Work In Restricted Working Space, Add</i>	98.18	
26 05 33	13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body 1,798.03	1,798.03	199.27
			<i>For Elevated Installation >10' To 15', Add</i>	39.85	
			<i>For Elevated Installation >15' To 20', Add</i>	79.71	
			<i>For Elevated Installation >20' To 25', Add</i>	99.64	
			<i>For Elevated Installation >25' To 30', Add</i>	139.49	
			<i>For Elevated Installation >30' To 35', Add</i>	159.42	
			<i>For Elevated Installation >35' To 40', Add</i>	199.27	
			<i>For Elevated Installation >40', Add</i>	219.20	
			<i>For Work In Restricted Working Space, Add</i>	119.56	
26 05 33	13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 289.06	289.06	45.81
			<i>For Elevated Installation >10' To 15', Add</i>	9.16	
			<i>For Elevated Installation >15' To 20', Add</i>	18.33	
			<i>For Elevated Installation >20' To 25', Add</i>	22.91	
			<i>For Elevated Installation >25' To 30', Add</i>	32.07	
			<i>For Elevated Installation >30' To 35', Add</i>	36.66	
			<i>For Elevated Installation >35' To 40', Add</i>	45.82	
			<i>For Elevated Installation >40', Add</i>	50.40	
			<i>For Work In Restricted Working Space, Add</i>	27.49	
26 05 33	13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 324.90	324.90	53.09
			<i>For Elevated Installation >10' To 15', Add</i>	10.62	
			<i>For Elevated Installation >15' To 20', Add</i>	21.24	
			<i>For Elevated Installation >20' To 25', Add</i>	26.55	
			<i>For Elevated Installation >25' To 30', Add</i>	37.16	
			<i>For Elevated Installation >30' To 35', Add</i>	42.47	
			<i>For Elevated Installation >35' To 40', Add</i>	53.09	
			<i>For Elevated Installation >40', Add</i>	58.40	
			<i>For Work In Restricted Working Space, Add</i>	31.85	
26 05 33	13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 445.34	445.34	58.18
			<i>For Elevated Installation >10' To 15', Add</i>	11.64	
			<i>For Elevated Installation >15' To 20', Add</i>	23.27	
			<i>For Elevated Installation >20' To 25', Add</i>	29.09	
			<i>For Elevated Installation >25' To 30', Add</i>	40.73	
			<i>For Elevated Installation >30' To 35', Add</i>	46.54	
			<i>For Elevated Installation >35' To 40', Add</i>	58.18	
			<i>For Elevated Installation >40', Add</i>	64.00	
			<i>For Work In Restricted Working Space, Add</i>	34.91	
26 05 33	13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 519.93	519.93	69.81
			<i>For Elevated Installation >10' To 15', Add</i>	13.96	
			<i>For Elevated Installation >15' To 20', Add</i>	27.93	
			<i>For Elevated Installation >20' To 25', Add</i>	34.91	
			<i>For Elevated Installation >25' To 30', Add</i>	48.87	
			<i>For Elevated Installation >30' To 35', Add</i>	55.86	
			<i>For Elevated Installation >35' To 40', Add</i>	69.82	
			<i>For Elevated Installation >40', Add</i>	76.80	
			<i>For Work In Restricted Working Space, Add</i>	41.89	
26 05 33	13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 779.72	779.72	98.18
			<i>For Elevated Installation >10' To 15', Add</i>	19.64	
			<i>For Elevated Installation >15' To 20', Add</i>	39.27	
			<i>For Elevated Installation >20' To 25', Add</i>	49.09	
			<i>For Elevated Installation >25' To 30', Add</i>	68.73	
			<i>For Elevated Installation >30' To 35', Add</i>	78.54	
			<i>For Elevated Installation >35' To 40', Add</i>	98.18	
			<i>For Elevated Installation >40', Add</i>	108.00	
			<i>For Work In Restricted Working Space, Add</i>	58.91	
26 05 33	13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,021.17	1,021.17	130.90
			<i>For Elevated Installation >10' To 15', Add</i>	26.18	
			<i>For Elevated Installation >15' To 20', Add</i>	52.36	
			<i>For Elevated Installation >20' To 25', Add</i>	65.45	
			<i>For Elevated Installation >25' To 30', Add</i>	91.63	
			<i>For Elevated Installation >30' To 35', Add</i>	104.72	
			<i>For Elevated Installation >35' To 40', Add</i>	130.91	
			<i>For Elevated Installation >40', Add</i>	144.00	
			<i>For Work In Restricted Working Space, Add</i>	78.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1241 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,479.91		163.64
For Elevated Installation >10' To 15', Add	32.73	
For Elevated Installation >15' To 20', Add	65.45	
For Elevated Installation >20' To 25', Add	81.82	
For Elevated Installation >25' To 30', Add	114.54	
For Elevated Installation >30' To 35', Add	130.90	
For Elevated Installation >35' To 40', Add	163.63	
For Elevated Installation >40', Add	179.99	
For Work In Restricted Working Space, Add	98.18	
26 05 33 13-1242 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body 1,798.03		199.27
For Elevated Installation >10' To 15', Add	39.85	
For Elevated Installation >15' To 20', Add	79.71	
For Elevated Installation >20' To 25', Add	99.64	
For Elevated Installation >25' To 30', Add	139.49	
For Elevated Installation >30' To 35', Add	159.42	
For Elevated Installation >35' To 40', Add	199.27	
For Elevated Installation >40', Add	219.20	
For Work In Restricted Working Space, Add	119.56	
26 05 33 13-1243 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 289.06		45.81
For Elevated Installation >10' To 15', Add	9.16	
For Elevated Installation >15' To 20', Add	18.33	
For Elevated Installation >20' To 25', Add	22.91	
For Elevated Installation >25' To 30', Add	32.07	
For Elevated Installation >30' To 35', Add	36.66	
For Elevated Installation >35' To 40', Add	45.82	
For Elevated Installation >40', Add	50.40	
For Work In Restricted Working Space, Add	27.49	
26 05 33 13-1244 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 324.90		53.09
For Elevated Installation >10' To 15', Add	10.62	
For Elevated Installation >15' To 20', Add	21.24	
For Elevated Installation >20' To 25', Add	26.55	
For Elevated Installation >25' To 30', Add	37.16	
For Elevated Installation >30' To 35', Add	42.47	
For Elevated Installation >35' To 40', Add	53.09	
For Elevated Installation >40', Add	58.40	
For Work In Restricted Working Space, Add	31.85	
26 05 33 13-1245 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 446.55		58.18
For Elevated Installation >10' To 15', Add	11.64	
For Elevated Installation >15' To 20', Add	23.27	
For Elevated Installation >20' To 25', Add	29.09	
For Elevated Installation >25' To 30', Add	40.73	
For Elevated Installation >30' To 35', Add	46.54	
For Elevated Installation >35' To 40', Add	58.18	
For Elevated Installation >40', Add	64.00	
For Work In Restricted Working Space, Add	34.91	
26 05 33 13-1246 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 526.53		69.81
For Elevated Installation >10' To 15', Add	13.96	
For Elevated Installation >15' To 20', Add	27.93	
For Elevated Installation >20' To 25', Add	34.91	
For Elevated Installation >25' To 30', Add	48.87	
For Elevated Installation >30' To 35', Add	55.86	
For Elevated Installation >35' To 40', Add	69.82	
For Elevated Installation >40', Add	76.80	
For Work In Restricted Working Space, Add	41.89	
26 05 33 13-1247 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 768.44		98.18
For Elevated Installation >10' To 15', Add	19.64	
For Elevated Installation >15' To 20', Add	39.27	
For Elevated Installation >20' To 25', Add	49.09	
For Elevated Installation >25' To 30', Add	68.73	
For Elevated Installation >30' To 35', Add	78.54	
For Elevated Installation >35' To 40', Add	98.18	
For Elevated Installation >40', Add	108.00	
For Work In Restricted Working Space, Add	58.91	
26 05 33 13-1248 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 970.57		130.90
For Elevated Installation >10' To 15', Add	26.18	
For Elevated Installation >15' To 20', Add	52.36	
For Elevated Installation >20' To 25', Add	65.45	
For Elevated Installation >25' To 30', Add	91.63	
For Elevated Installation >30' To 35', Add	104.72	
For Elevated Installation >35' To 40', Add	130.91	
For Elevated Installation >40', Add	144.00	
For Work In Restricted Working Space, Add	78.54	
26 05 33 13-1249 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body 1,418.83		163.64
For Elevated Installation >10' To 15', Add	32.73	
For Elevated Installation >15' To 20', Add	65.45	
For Elevated Installation >20' To 25', Add	81.82	
For Elevated Installation >25' To 30', Add	114.54	
For Elevated Installation >30' To 35', Add	130.90	
For Elevated Installation >35' To 40', Add	163.63	
For Elevated Installation >40', Add	179.99	
For Work In Restricted Working Space, Add	98.18	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1250	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,775.83	199.27
	<i>For Elevated Installation >10' To 15', Add</i>	39.85	
	<i>For Elevated Installation >15' To 20', Add</i>	79.71	
	<i>For Elevated Installation >20' To 25', Add</i>	99.64	
	<i>For Elevated Installation >25' To 30', Add</i>	139.49	
	<i>For Elevated Installation >30' To 35', Add</i>	159.42	
	<i>For Elevated Installation >35' To 40', Add</i>	199.27	
	<i>For Elevated Installation >40', Add</i>	219.20	
	<i>For Work In Restricted Working Space, Add</i>	119.56	
26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0848)			
26 05 33 13-1252	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	141.71	6.54
	<i>For Elevated Installation >10' To 15', Add</i>	1.31	
	<i>For Elevated Installation >15' To 20', Add</i>	2.62	
	<i>For Elevated Installation >20' To 25', Add</i>	3.27	
	<i>For Elevated Installation >25' To 30', Add</i>	4.58	
	<i>For Elevated Installation >30' To 35', Add</i>	5.24	
	<i>For Elevated Installation >35' To 40', Add</i>	6.55	
	<i>For Elevated Installation >40', Add</i>	7.20	
	<i>For Work In Restricted Working Space, Add</i>	3.93	
26 05 33 13-1253	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	143.16	7.28
	<i>For Elevated Installation >10' To 15', Add</i>	1.45	
	<i>For Elevated Installation >15' To 20', Add</i>	2.91	
	<i>For Elevated Installation >20' To 25', Add</i>	3.64	
	<i>For Elevated Installation >25' To 30', Add</i>	5.09	
	<i>For Elevated Installation >30' To 35', Add</i>	5.82	
	<i>For Elevated Installation >35' To 40', Add</i>	7.27	
	<i>For Elevated Installation >40', Add</i>	8.00	
	<i>For Work In Restricted Working Space, Add</i>	4.36	
26 05 33 13-1254	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	202.39	10.18
	<i>For Elevated Installation >10' To 15', Add</i>	2.04	
	<i>For Elevated Installation >15' To 20', Add</i>	4.07	
	<i>For Elevated Installation >20' To 25', Add</i>	5.09	
	<i>For Elevated Installation >25' To 30', Add</i>	7.13	
	<i>For Elevated Installation >30' To 35', Add</i>	8.15	
	<i>For Elevated Installation >35' To 40', Add</i>	10.19	
	<i>For Elevated Installation >40', Add</i>	11.20	
	<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33 13-1255	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	205.29	11.63
	<i>For Elevated Installation >10' To 15', Add</i>	2.33	
	<i>For Elevated Installation >15' To 20', Add</i>	4.65	
	<i>For Elevated Installation >20' To 25', Add</i>	5.82	
	<i>For Elevated Installation >25' To 30', Add</i>	8.14	
	<i>For Elevated Installation >30' To 35', Add</i>	9.31	
	<i>For Elevated Installation >35' To 40', Add</i>	11.64	
	<i>For Elevated Installation >40', Add</i>	12.80	
	<i>For Work In Restricted Working Space, Add</i>	6.98	
26 05 33 13-1256	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	357.92	13.82
	<i>For Elevated Installation >10' To 15', Add</i>	2.76	
	<i>For Elevated Installation >15' To 20', Add</i>	5.53	
	<i>For Elevated Installation >20' To 25', Add</i>	6.91	
	<i>For Elevated Installation >25' To 30', Add</i>	9.67	
	<i>For Elevated Installation >30' To 35', Add</i>	11.05	
	<i>For Elevated Installation >35' To 40', Add</i>	13.82	
	<i>For Elevated Installation >40', Add</i>	15.20	
	<i>For Work In Restricted Working Space, Add</i>	8.29	
26 05 33 13-1257	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	365.20	17.46
	<i>For Elevated Installation >10' To 15', Add</i>	3.49	
	<i>For Elevated Installation >15' To 20', Add</i>	6.98	
	<i>For Elevated Installation >20' To 25', Add</i>	8.73	
	<i>For Elevated Installation >25' To 30', Add</i>	12.22	
	<i>For Elevated Installation >30' To 35', Add</i>	13.96	
	<i>For Elevated Installation >35' To 40', Add</i>	17.46	
	<i>For Elevated Installation >40', Add</i>	19.20	
	<i>For Work In Restricted Working Space, Add</i>	10.47	
26 05 33 13-1258	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	549.22	19.63
	<i>For Elevated Installation >10' To 15', Add</i>	3.93	
	<i>For Elevated Installation >15' To 20', Add</i>	7.85	
	<i>For Elevated Installation >20' To 25', Add</i>	9.82	
	<i>For Elevated Installation >25' To 30', Add</i>	13.74	
	<i>For Elevated Installation >30' To 35', Add</i>	15.71	
	<i>For Elevated Installation >35' To 40', Add</i>	19.64	
	<i>For Elevated Installation >40', Add</i>	21.60	
	<i>For Work In Restricted Working Space, Add</i>	11.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1259 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	560.86	25.46
<i>For Elevated Installation >10' To 15', Add</i>	5.09	
<i>For Elevated Installation >15' To 20', Add</i>	10.18	
<i>For Elevated Installation >20' To 25', Add</i>	12.73	
<i>For Elevated Installation >25' To 30', Add</i>	17.82	
<i>For Elevated Installation >30' To 35', Add</i>	20.36	
<i>For Elevated Installation >35' To 40', Add</i>	25.46	
<i>For Elevated Installation >40', Add</i>	28.00	
<i>For Work In Restricted Working Space, Add</i>	15.27	
26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0848)</small>		
26 05 33 13-1261 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	244.90	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33 13-1262 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	289.48	22.54
<i>For Elevated Installation >10' To 15', Add</i>	4.51	
<i>For Elevated Installation >15' To 20', Add</i>	9.02	
<i>For Elevated Installation >20' To 25', Add</i>	11.27	
<i>For Elevated Installation >25' To 30', Add</i>	15.78	
<i>For Elevated Installation >30' To 35', Add</i>	18.04	
<i>For Elevated Installation >35' To 40', Add</i>	22.55	
<i>For Elevated Installation >40', Add</i>	24.80	
<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33 13-1263 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	342.77	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33 13-1264 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	422.02	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33 13-1265 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	563.36	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33 13-1266 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	778.74	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
<i>For Work In Restricted Working Space, Add</i>	24.00	
26 05 33 13-1267 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,111.31	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33 13-1268 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,382.58	68.36
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.18	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.69	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.20	
<i>For Work In Restricted Working Space, Add</i>	41.02	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1269	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,937.52	77.09
	<i>For Elevated Installation >10' To 15', Add</i>	15.42	
	<i>For Elevated Installation >15' To 20', Add</i>	30.84	
	<i>For Elevated Installation >20' To 25', Add</i>	38.55	
	<i>For Elevated Installation >25' To 30', Add</i>	53.96	
	<i>For Elevated Installation >30' To 35', Add</i>	61.67	
	<i>For Elevated Installation >35' To 40', Add</i>	77.09	
	<i>For Elevated Installation >40', Add</i>	84.80	
	<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33 13-1270	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,234.47	100.36
	<i>For Elevated Installation >10' To 15', Add</i>	20.07	
	<i>For Elevated Installation >15' To 20', Add</i>	40.15	
	<i>For Elevated Installation >20' To 25', Add</i>	50.18	
	<i>For Elevated Installation >25' To 30', Add</i>	70.26	
	<i>For Elevated Installation >30' To 35', Add</i>	80.29	
	<i>For Elevated Installation >35' To 40', Add</i>	100.37	
	<i>For Elevated Installation >40', Add</i>	110.40	
	<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0848)</small>			
26 05 33 13-1272	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	387.76	18.18
	<i>For Elevated Installation >10' To 15', Add</i>	3.64	
	<i>For Elevated Installation >15' To 20', Add</i>	7.27	
	<i>For Elevated Installation >20' To 25', Add</i>	9.09	
	<i>For Elevated Installation >25' To 30', Add</i>	12.73	
	<i>For Elevated Installation >30' To 35', Add</i>	14.55	
	<i>For Elevated Installation >35' To 40', Add</i>	18.19	
	<i>For Elevated Installation >40', Add</i>	20.00	
	<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33 13-1273	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	403.11	22.54
	<i>For Elevated Installation >10' To 15', Add</i>	4.51	
	<i>For Elevated Installation >15' To 20', Add</i>	9.02	
	<i>For Elevated Installation >20' To 25', Add</i>	11.27	
	<i>For Elevated Installation >25' To 30', Add</i>	15.78	
	<i>For Elevated Installation >30' To 35', Add</i>	18.04	
	<i>For Elevated Installation >35' To 40', Add</i>	22.55	
	<i>For Elevated Installation >40', Add</i>	24.80	
	<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33 13-1274	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	453.02	27.63
	<i>For Elevated Installation >10' To 15', Add</i>	5.53	
	<i>For Elevated Installation >15' To 20', Add</i>	11.05	
	<i>For Elevated Installation >20' To 25', Add</i>	13.82	
	<i>For Elevated Installation >25' To 30', Add</i>	19.34	
	<i>For Elevated Installation >30' To 35', Add</i>	22.11	
	<i>For Elevated Installation >35' To 40', Add</i>	27.64	
	<i>For Elevated Installation >40', Add</i>	30.40	
	<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33 13-1275	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	548.02	32.00
	<i>For Elevated Installation >10' To 15', Add</i>	6.40	
	<i>For Elevated Installation >15' To 20', Add</i>	12.80	
	<i>For Elevated Installation >20' To 25', Add</i>	16.00	
	<i>For Elevated Installation >25' To 30', Add</i>	22.40	
	<i>For Elevated Installation >30' To 35', Add</i>	25.60	
	<i>For Elevated Installation >35' To 40', Add</i>	32.00	
	<i>For Elevated Installation >40', Add</i>	35.20	
	<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33 13-1276	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	663.96	36.37
	<i>For Elevated Installation >10' To 15', Add</i>	7.27	
	<i>For Elevated Installation >15' To 20', Add</i>	14.54	
	<i>For Elevated Installation >20' To 25', Add</i>	18.18	
	<i>For Elevated Installation >25' To 30', Add</i>	25.45	
	<i>For Elevated Installation >30' To 35', Add</i>	29.09	
	<i>For Elevated Installation >35' To 40', Add</i>	36.36	
	<i>For Elevated Installation >40', Add</i>	40.00	
	<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33 13-1277	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	848.00	40.00
	<i>For Elevated Installation >10' To 15', Add</i>	8.00	
	<i>For Elevated Installation >15' To 20', Add</i>	16.00	
	<i>For Elevated Installation >20' To 25', Add</i>	20.00	
	<i>For Elevated Installation >25' To 30', Add</i>	28.00	
	<i>For Elevated Installation >30' To 35', Add</i>	32.00	
	<i>For Elevated Installation >35' To 40', Add</i>	40.00	
	<i>For Elevated Installation >40', Add</i>	44.00	
	<i>For Work In Restricted Working Space, Add</i>	24.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1278 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,250.83	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33 13-1279 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,569.01	68.36
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.35	
<i>For Elevated Installation >20' To 25', Add</i>	34.18	
<i>For Elevated Installation >25' To 30', Add</i>	47.86	
<i>For Elevated Installation >30' To 35', Add</i>	54.69	
<i>For Elevated Installation >35' To 40', Add</i>	68.37	
<i>For Elevated Installation >40', Add</i>	75.20	
<i>For Work In Restricted Working Space, Add</i>	41.02	
26 05 33 13-1280 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,997.71	77.09
<i>For Elevated Installation >10' To 15', Add</i>	15.42	
<i>For Elevated Installation >15' To 20', Add</i>	30.84	
<i>For Elevated Installation >20' To 25', Add</i>	38.55	
<i>For Elevated Installation >25' To 30', Add</i>	53.96	
<i>For Elevated Installation >30' To 35', Add</i>	61.67	
<i>For Elevated Installation >35' To 40', Add</i>	77.09	
<i>For Elevated Installation >40', Add</i>	84.80	
<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33 13-1281 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,501.03	100.36
<i>For Elevated Installation >10' To 15', Add</i>	20.07	
<i>For Elevated Installation >15' To 20', Add</i>	40.15	
<i>For Elevated Installation >20' To 25', Add</i>	50.18	
<i>For Elevated Installation >25' To 30', Add</i>	70.26	
<i>For Elevated Installation >30' To 35', Add</i>	80.29	
<i>For Elevated Installation >35' To 40', Add</i>	100.37	
<i>For Elevated Installation >40', Add</i>	110.40	
<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0848)		
26 05 33 13-1283 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	81.26	8.72
<i>For Elevated Installation >10' To 15', Add</i>	1.75	
<i>For Elevated Installation >15' To 20', Add</i>	3.49	
<i>For Elevated Installation >20' To 25', Add</i>	4.37	
<i>For Elevated Installation >25' To 30', Add</i>	6.11	
<i>For Elevated Installation >30' To 35', Add</i>	6.98	
<i>For Elevated Installation >35' To 40', Add</i>	8.73	
<i>For Elevated Installation >40', Add</i>	9.60	
<i>For Work In Restricted Working Space, Add</i>	5.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1284 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	88.31	10.91
<i>For Elevated Installation >10' To 15', Add</i>	2.18	
<i>For Elevated Installation >15' To 20', Add</i>	4.36	
<i>For Elevated Installation >20' To 25', Add</i>	5.46	
<i>For Elevated Installation >25' To 30', Add</i>	7.64	
<i>For Elevated Installation >30' To 35', Add</i>	8.73	
<i>For Elevated Installation >35' To 40', Add</i>	10.91	
<i>For Elevated Installation >40', Add</i>	12.00	
<i>For Work In Restricted Working Space, Add</i>	6.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.55	
26 05 33 13-1285 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	97.31	13.09
<i>For Elevated Installation >10' To 15', Add</i>	2.62	
<i>For Elevated Installation >15' To 20', Add</i>	5.24	
<i>For Elevated Installation >20' To 25', Add</i>	6.55	
<i>For Elevated Installation >25' To 30', Add</i>	9.16	
<i>For Elevated Installation >30' To 35', Add</i>	10.47	
<i>For Elevated Installation >35' To 40', Add</i>	13.09	
<i>For Elevated Installation >40', Add</i>	14.40	
<i>For Work In Restricted Working Space, Add</i>	7.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 33 13-1286 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	110.26	16.00
<i>For Elevated Installation >10' To 15', Add</i>	3.20	
<i>For Elevated Installation >15' To 20', Add</i>	6.40	
<i>For Elevated Installation >20' To 25', Add</i>	8.00	
<i>For Elevated Installation >25' To 30', Add</i>	11.20	
<i>For Elevated Installation >30' To 35', Add</i>	12.80	
<i>For Elevated Installation >35' To 40', Add</i>	16.00	
<i>For Elevated Installation >40', Add</i>	17.60	
<i>For Work In Restricted Working Space, Add</i>	9.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	147.84	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.55	
			<i>For Elevated Installation >35' To 40', Add</i>	18.19	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33	13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	180.38	20.37
			<i>For Elevated Installation >10' To 15', Add</i>	4.07	
			<i>For Elevated Installation >15' To 20', Add</i>	8.14	
			<i>For Elevated Installation >20' To 25', Add</i>	10.18	
			<i>For Elevated Installation >25' To 30', Add</i>	14.25	
			<i>For Elevated Installation >30' To 35', Add</i>	16.29	
			<i>For Elevated Installation >35' To 40', Add</i>	20.36	
			<i>For Elevated Installation >40', Add</i>	22.40	
			<i>For Work In Restricted Working Space, Add</i>	12.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 05 33	13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	257.69	25.46
			<i>For Elevated Installation >10' To 15', Add</i>	5.09	
			<i>For Elevated Installation >15' To 20', Add</i>	10.18	
			<i>For Elevated Installation >20' To 25', Add</i>	12.73	
			<i>For Elevated Installation >25' To 30', Add</i>	17.82	
			<i>For Elevated Installation >30' To 35', Add</i>	20.36	
			<i>For Elevated Installation >35' To 40', Add</i>	25.46	
			<i>For Elevated Installation >40', Add</i>	28.00	
			<i>For Work In Restricted Working Space, Add</i>	15.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.27	
26 05 33	13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	336.55	34.18
			<i>For Elevated Installation >10' To 15', Add</i>	6.84	
			<i>For Elevated Installation >15' To 20', Add</i>	13.67	
			<i>For Elevated Installation >20' To 25', Add</i>	17.09	
			<i>For Elevated Installation >25' To 30', Add</i>	23.93	
			<i>For Elevated Installation >30' To 35', Add</i>	27.35	
			<i>For Elevated Installation >35' To 40', Add</i>	34.19	
			<i>For Elevated Installation >40', Add</i>	37.60	
			<i>For Work In Restricted Working Space, Add</i>	20.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.51	
26 05 33	13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	428.99	38.55
			<i>For Elevated Installation >10' To 15', Add</i>	7.71	
			<i>For Elevated Installation >15' To 20', Add</i>	15.42	
			<i>For Elevated Installation >20' To 25', Add</i>	19.27	
			<i>For Elevated Installation >25' To 30', Add</i>	26.98	
			<i>For Elevated Installation >30' To 35', Add</i>	30.84	
			<i>For Elevated Installation >35' To 40', Add</i>	38.55	
			<i>For Elevated Installation >40', Add</i>	42.40	
			<i>For Work In Restricted Working Space, Add</i>	23.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.13	
26 05 33	13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	539.79	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33	13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	673.94	81.46
			<i>For Elevated Installation >10' To 15', Add</i>	16.29	
			<i>For Elevated Installation >15' To 20', Add</i>	32.58	
			<i>For Elevated Installation >20' To 25', Add</i>	40.73	
			<i>For Elevated Installation >25' To 30', Add</i>	57.02	
			<i>For Elevated Installation >30' To 35', Add</i>	65.16	
			<i>For Elevated Installation >35' To 40', Add</i>	81.45	
			<i>For Elevated Installation >40', Add</i>	89.60	
			<i>For Work In Restricted Working Space, Add</i>	48.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.87	
26 05 33	13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,016.44	122.90
			<i>For Elevated Installation >10' To 15', Add</i>	24.58	
			<i>For Elevated Installation >15' To 20', Add</i>	49.16	
			<i>For Elevated Installation >20' To 25', Add</i>	61.46	
			<i>For Elevated Installation >25' To 30', Add</i>	86.04	
			<i>For Elevated Installation >30' To 35', Add</i>	98.33	
			<i>For Elevated Installation >35' To 40', Add</i>	122.91	
			<i>For Elevated Installation >40', Add</i>	135.20	
			<i>For Work In Restricted Working Space, Add</i>	73.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.75	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0848)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1296 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	121.85	8.72
For Elevated Installation >10' To 15', Add	1.75	
For Elevated Installation >15' To 20', Add	3.49	
For Elevated Installation >20' To 25', Add	4.37	
For Elevated Installation >25' To 30', Add	6.11	
For Elevated Installation >30' To 35', Add	6.98	
For Elevated Installation >35' To 40', Add	8.73	
For Elevated Installation >40', Add	9.60	
For Work In Restricted Working Space, Add	5.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.24	
26 05 33 13-1297 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	129.19	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.46	
For Elevated Installation >25' To 30', Add	7.64	
For Elevated Installation >30' To 35', Add	8.73	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.55	
26 05 33 13-1298 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	139.08	13.09
For Elevated Installation >10' To 15', Add	2.62	
For Elevated Installation >15' To 20', Add	5.24	
For Elevated Installation >20' To 25', Add	6.55	
For Elevated Installation >25' To 30', Add	9.16	
For Elevated Installation >30' To 35', Add	10.47	
For Elevated Installation >35' To 40', Add	13.09	
For Elevated Installation >40', Add	14.40	
For Work In Restricted Working Space, Add	7.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.85	
26 05 33 13-1299 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	158.97	16.00
For Elevated Installation >10' To 15', Add	3.20	
For Elevated Installation >15' To 20', Add	6.40	
For Elevated Installation >20' To 25', Add	8.00	
For Elevated Installation >25' To 30', Add	11.20	
For Elevated Installation >30' To 35', Add	12.80	
For Elevated Installation >35' To 40', Add	16.00	
For Elevated Installation >40', Add	17.60	
For Work In Restricted Working Space, Add	9.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1300 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	170.84	18.18
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.55	
For Elevated Installation >35' To 40', Add	18.19	
For Elevated Installation >40', Add	20.00	
For Work In Restricted Working Space, Add	10.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	
26 05 33 13-1301 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	193.19	20.37
For Elevated Installation >10' To 15', Add	4.07	
For Elevated Installation >15' To 20', Add	8.14	
For Elevated Installation >20' To 25', Add	10.18	
For Elevated Installation >25' To 30', Add	14.25	
For Elevated Installation >30' To 35', Add	16.29	
For Elevated Installation >35' To 40', Add	20.36	
For Elevated Installation >40', Add	22.40	
For Work In Restricted Working Space, Add	12.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 05 33 13-1302 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	293.65	25.46
For Elevated Installation >10' To 15', Add	5.09	
For Elevated Installation >15' To 20', Add	10.18	
For Elevated Installation >20' To 25', Add	12.73	
For Elevated Installation >25' To 30', Add	17.82	
For Elevated Installation >30' To 35', Add	20.36	
For Elevated Installation >35' To 40', Add	25.46	
For Elevated Installation >40', Add	28.00	
For Work In Restricted Working Space, Add	15.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.27	
26 05 33 13-1303 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	352.06	34.18
For Elevated Installation >10' To 15', Add	6.84	
For Elevated Installation >15' To 20', Add	13.67	
For Elevated Installation >20' To 25', Add	17.09	
For Elevated Installation >25' To 30', Add	23.93	
For Elevated Installation >30' To 35', Add	27.35	
For Elevated Installation >35' To 40', Add	34.19	
For Elevated Installation >40', Add	37.60	
For Work In Restricted Working Space, Add	20.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.51	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	432.34	38.55
			<i>For Elevated Installation >10' To 15', Add</i>	7.71	
			<i>For Elevated Installation >15' To 20', Add</i>	15.42	
			<i>For Elevated Installation >20' To 25', Add</i>	19.27	
			<i>For Elevated Installation >25' To 30', Add</i>	26.98	
			<i>For Elevated Installation >30' To 35', Add</i>	30.84	
			<i>For Elevated Installation >35' To 40', Add</i>	38.55	
			<i>For Elevated Installation >40', Add</i>	42.40	
			<i>For Work In Restricted Working Space, Add</i>	23.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.13	
26 05 33	13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	561.41	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33	13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	873.84	81.46
			<i>For Elevated Installation >10' To 15', Add</i>	16.29	
			<i>For Elevated Installation >15' To 20', Add</i>	32.58	
			<i>For Elevated Installation >20' To 25', Add</i>	40.73	
			<i>For Elevated Installation >25' To 30', Add</i>	57.02	
			<i>For Elevated Installation >30' To 35', Add</i>	65.16	
			<i>For Elevated Installation >35' To 40', Add</i>	81.45	
			<i>For Elevated Installation >40', Add</i>	89.60	
			<i>For Work In Restricted Working Space, Add</i>	48.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.87	
26 05 33	13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,428.38	122.90
			<i>For Elevated Installation >10' To 15', Add</i>	24.58	
			<i>For Elevated Installation >15' To 20', Add</i>	49.16	
			<i>For Elevated Installation >20' To 25', Add</i>	61.46	
			<i>For Elevated Installation >25' To 30', Add</i>	86.04	
			<i>For Elevated Installation >30' To 35', Add</i>	98.33	
			<i>For Elevated Installation >35' To 40', Add</i>	122.91	
			<i>For Elevated Installation >40', Add</i>	135.20	
			<i>For Work In Restricted Working Space, Add</i>	73.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.75	
26 05 33	13-1308		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs <small>(26 05 33 13-0848)</small>		
26 05 33	13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	130.87	8.72
			<i>For Elevated Installation >10' To 15', Add</i>	1.75	
			<i>For Elevated Installation >15' To 20', Add</i>	3.49	
			<i>For Elevated Installation >20' To 25', Add</i>	4.37	
			<i>For Elevated Installation >25' To 30', Add</i>	6.11	
			<i>For Elevated Installation >30' To 35', Add</i>	6.98	
			<i>For Elevated Installation >35' To 40', Add</i>	8.73	
			<i>For Elevated Installation >40', Add</i>	9.60	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33	13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	137.75	10.91
			<i>For Elevated Installation >10' To 15', Add</i>	2.18	
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Elevated Installation >20' To 25', Add</i>	5.46	
			<i>For Elevated Installation >25' To 30', Add</i>	7.64	
			<i>For Elevated Installation >30' To 35', Add</i>	8.73	
			<i>For Elevated Installation >35' To 40', Add</i>	10.91	
			<i>For Elevated Installation >40', Add</i>	12.00	
			<i>For Work In Restricted Working Space, Add</i>	6.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.55	
26 05 33	13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	148.03	13.09
			<i>For Elevated Installation >10' To 15', Add</i>	2.62	
			<i>For Elevated Installation >15' To 20', Add</i>	5.24	
			<i>For Elevated Installation >20' To 25', Add</i>	6.55	
			<i>For Elevated Installation >25' To 30', Add</i>	9.16	
			<i>For Elevated Installation >30' To 35', Add</i>	10.47	
			<i>For Elevated Installation >35' To 40', Add</i>	13.09	
			<i>For Elevated Installation >40', Add</i>	14.40	
			<i>For Work In Restricted Working Space, Add</i>	7.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 33	13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	186.14	16.00
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.00	
			<i>For Elevated Installation >25' To 30', Add</i>	11.20	
			<i>For Elevated Installation >30' To 35', Add</i>	12.80	
			<i>For Elevated Installation >35' To 40', Add</i>	16.00	
			<i>For Elevated Installation >40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1313 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	203.64	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33 13-1314 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	215.82	20.37
<i>For Elevated Installation >10' To 15', Add</i>	4.07	
<i>For Elevated Installation >15' To 20', Add</i>	8.14	
<i>For Elevated Installation >20' To 25', Add</i>	10.18	
<i>For Elevated Installation >25' To 30', Add</i>	14.25	
<i>For Elevated Installation >30' To 35', Add</i>	16.29	
<i>For Elevated Installation >35' To 40', Add</i>	20.36	
<i>For Elevated Installation >40', Add</i>	22.40	
<i>For Work In Restricted Working Space, Add</i>	12.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0848)</small>		
26 05 33 13-1316 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	98.98	18.18
<i>For Elevated Installation >10' To 15', Add</i>	3.64	
<i>For Elevated Installation >15' To 20', Add</i>	7.27	
<i>For Elevated Installation >20' To 25', Add</i>	9.09	
<i>For Elevated Installation >25' To 30', Add</i>	12.73	
<i>For Elevated Installation >30' To 35', Add</i>	14.55	
<i>For Elevated Installation >35' To 40', Add</i>	18.19	
<i>For Elevated Installation >40', Add</i>	20.00	
<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33 13-1317 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	108.84	22.54
<i>For Elevated Installation >10' To 15', Add</i>	4.51	
<i>For Elevated Installation >15' To 20', Add</i>	9.02	
<i>For Elevated Installation >20' To 25', Add</i>	11.27	
<i>For Elevated Installation >25' To 30', Add</i>	15.78	
<i>For Elevated Installation >30' To 35', Add</i>	18.04	
<i>For Elevated Installation >35' To 40', Add</i>	22.55	
<i>For Elevated Installation >40', Add</i>	24.80	
<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33 13-1318 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	140.74	27.63
<i>For Elevated Installation >10' To 15', Add</i>	5.53	
<i>For Elevated Installation >15' To 20', Add</i>	11.05	
<i>For Elevated Installation >20' To 25', Add</i>	13.82	
<i>For Elevated Installation >25' To 30', Add</i>	19.34	
<i>For Elevated Installation >30' To 35', Add</i>	22.11	
<i>For Elevated Installation >35' To 40', Add</i>	27.64	
<i>For Elevated Installation >40', Add</i>	30.40	
<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33 13-1319 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	201.55	32.00
<i>For Elevated Installation >10' To 15', Add</i>	6.40	
<i>For Elevated Installation >15' To 20', Add</i>	12.80	
<i>For Elevated Installation >20' To 25', Add</i>	16.00	
<i>For Elevated Installation >25' To 30', Add</i>	22.40	
<i>For Elevated Installation >30' To 35', Add</i>	25.60	
<i>For Elevated Installation >35' To 40', Add</i>	32.00	
<i>For Elevated Installation >40', Add</i>	35.20	
<i>For Work In Restricted Working Space, Add</i>	19.20	
26 05 33 13-1320 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	238.63	36.37
<i>For Elevated Installation >10' To 15', Add</i>	7.27	
<i>For Elevated Installation >15' To 20', Add</i>	14.54	
<i>For Elevated Installation >20' To 25', Add</i>	18.18	
<i>For Elevated Installation >25' To 30', Add</i>	25.45	
<i>For Elevated Installation >30' To 35', Add</i>	29.09	
<i>For Elevated Installation >35' To 40', Add</i>	36.36	
<i>For Elevated Installation >40', Add</i>	40.00	
<i>For Work In Restricted Working Space, Add</i>	21.82	
26 05 33 13-1321 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	301.10	40.00
<i>For Elevated Installation >10' To 15', Add</i>	8.00	
<i>For Elevated Installation >15' To 20', Add</i>	16.00	
<i>For Elevated Installation >20' To 25', Add</i>	20.00	
<i>For Elevated Installation >25' To 30', Add</i>	28.00	
<i>For Elevated Installation >30' To 35', Add</i>	32.00	
<i>For Elevated Installation >35' To 40', Add</i>	40.00	
<i>For Elevated Installation >40', Add</i>	44.00	
<i>For Work In Restricted Working Space, Add</i>	24.00	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	399.69	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	513.03	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
26 05 33	13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	666.07	77.09
			<i>For Elevated Installation >10' To 15', Add</i>	15.42	
			<i>For Elevated Installation >15' To 20', Add</i>	30.84	
			<i>For Elevated Installation >20' To 25', Add</i>	38.55	
			<i>For Elevated Installation >25' To 30', Add</i>	53.96	
			<i>For Elevated Installation >30' To 35', Add</i>	61.67	
			<i>For Elevated Installation >35' To 40', Add</i>	77.09	
			<i>For Elevated Installation >40', Add</i>	84.80	
			<i>For Work In Restricted Working Space, Add</i>	46.25	
26 05 33	13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	858.01	100.36
			<i>For Elevated Installation >10' To 15', Add</i>	20.07	
			<i>For Elevated Installation >15' To 20', Add</i>	40.15	
			<i>For Elevated Installation >20' To 25', Add</i>	50.18	
			<i>For Elevated Installation >25' To 30', Add</i>	70.26	
			<i>For Elevated Installation >30' To 35', Add</i>	80.29	
			<i>For Elevated Installation >35' To 40', Add</i>	100.37	
			<i>For Elevated Installation >40', Add</i>	110.40	
			<i>For Work In Restricted Working Space, Add</i>	60.22	
26 05 33	13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,555.79	163.64
			<i>For Elevated Installation >10' To 15', Add</i>	32.73	
			<i>For Elevated Installation >15' To 20', Add</i>	65.45	
			<i>For Elevated Installation >20' To 25', Add</i>	81.82	
			<i>For Elevated Installation >25' To 30', Add</i>	114.54	
			<i>For Elevated Installation >30' To 35', Add</i>	130.90	
			<i>For Elevated Installation >35' To 40', Add</i>	163.63	
			<i>For Elevated Installation >40', Add</i>	179.99	
			<i>For Work In Restricted Working Space, Add</i>	98.18	
26 05 33	13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,954.79	245.82
			<i>For Elevated Installation >10' To 15', Add</i>	49.16	
			<i>For Elevated Installation >15' To 20', Add</i>	98.32	
			<i>For Elevated Installation >20' To 25', Add</i>	122.91	
			<i>For Elevated Installation >25' To 30', Add</i>	172.07	
			<i>For Elevated Installation >30' To 35', Add</i>	196.65	
			<i>For Elevated Installation >35' To 40', Add</i>	245.81	
			<i>For Elevated Installation >40', Add</i>	270.39	
			<i>For Work In Restricted Working Space, Add</i>	147.49	
26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions (26 05 33 13-0848)					
26 05 33	13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	101.09	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.55	
			<i>For Elevated Installation >35' To 40', Add</i>	18.19	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33	13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	116.90	22.54
			<i>For Elevated Installation >10' To 15', Add</i>	4.51	
			<i>For Elevated Installation >15' To 20', Add</i>	9.02	
			<i>For Elevated Installation >20' To 25', Add</i>	11.27	
			<i>For Elevated Installation >25' To 30', Add</i>	15.78	
			<i>For Elevated Installation >30' To 35', Add</i>	18.04	
			<i>For Elevated Installation >35' To 40', Add</i>	22.55	
			<i>For Elevated Installation >40', Add</i>	24.80	
			<i>For Work In Restricted Working Space, Add</i>	13.53	
26 05 33	13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	145.03	27.63
			<i>For Elevated Installation >10' To 15', Add</i>	5.53	
			<i>For Elevated Installation >15' To 20', Add</i>	11.05	
			<i>For Elevated Installation >20' To 25', Add</i>	13.82	
			<i>For Elevated Installation >25' To 30', Add</i>	19.34	
			<i>For Elevated Installation >30' To 35', Add</i>	22.11	
			<i>For Elevated Installation >35' To 40', Add</i>	27.64	
			<i>For Elevated Installation >40', Add</i>	30.40	
			<i>For Work In Restricted Working Space, Add</i>	16.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1332 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	209.43	32.00
For Elevated Installation >10' To 15', Add	6.40	
For Elevated Installation >15' To 20', Add	12.80	
For Elevated Installation >20' To 25', Add	16.00	
For Elevated Installation >25' To 30', Add	22.40	
For Elevated Installation >30' To 35', Add	25.60	
For Elevated Installation >35' To 40', Add	32.00	
For Elevated Installation >40', Add	35.20	
For Work In Restricted Working Space, Add	19.20	
26 05 33 13-1333 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	249.57	36.37
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	
For Work In Restricted Working Space, Add	21.82	
26 05 33 13-1334 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	324.73	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	
26 05 33 13-1335 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	450.25	50.18
For Elevated Installation >10' To 15', Add	10.04	
For Elevated Installation >15' To 20', Add	20.07	
For Elevated Installation >20' To 25', Add	25.09	
For Elevated Installation >25' To 30', Add	35.13	
For Elevated Installation >30' To 35', Add	40.14	
For Elevated Installation >35' To 40', Add	50.18	
For Elevated Installation >40', Add	55.20	
For Work In Restricted Working Space, Add	30.11	
26 05 33 13-1336 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	564.44	50.18
For Elevated Installation >10' To 15', Add	10.04	
For Elevated Installation >15' To 20', Add	20.07	
For Elevated Installation >20' To 25', Add	25.09	
For Elevated Installation >25' To 30', Add	35.13	
For Elevated Installation >30' To 35', Add	40.14	
For Elevated Installation >35' To 40', Add	50.18	
For Elevated Installation >40', Add	55.20	
For Work In Restricted Working Space, Add	30.11	
26 05 33 13-1337 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	759.01	77.09
For Elevated Installation >10' To 15', Add	15.42	
For Elevated Installation >15' To 20', Add	30.84	
For Elevated Installation >20' To 25', Add	38.55	
For Elevated Installation >25' To 30', Add	53.96	
For Elevated Installation >30' To 35', Add	61.67	
For Elevated Installation >35' To 40', Add	77.09	
For Elevated Installation >40', Add	84.80	
For Work In Restricted Working Space, Add	46.25	
26 05 33 13-1338 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	950.60	100.36
For Elevated Installation >10' To 15', Add	20.07	
For Elevated Installation >15' To 20', Add	40.15	
For Elevated Installation >20' To 25', Add	50.18	
For Elevated Installation >25' To 30', Add	70.26	
For Elevated Installation >30' To 35', Add	80.29	
For Elevated Installation >35' To 40', Add	100.37	
For Elevated Installation >40', Add	110.40	
For Work In Restricted Working Space, Add	60.22	
26 05 33 13-1339 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,725.53	163.64
For Elevated Installation >10' To 15', Add	32.73	
For Elevated Installation >15' To 20', Add	65.45	
For Elevated Installation >20' To 25', Add	81.82	
For Elevated Installation >25' To 30', Add	114.54	
For Elevated Installation >30' To 35', Add	130.90	
For Elevated Installation >35' To 40', Add	163.63	
For Elevated Installation >40', Add	179.99	
For Work In Restricted Working Space, Add	98.18	
26 05 33 13-1340 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,228.87	245.82
For Elevated Installation >10' To 15', Add	49.16	
For Elevated Installation >15' To 20', Add	98.32	
For Elevated Installation >20' To 25', Add	122.91	
For Elevated Installation >25' To 30', Add	172.07	
For Elevated Installation >30' To 35', Add	196.65	
For Elevated Installation >35' To 40', Add	245.81	
For Elevated Installation >40', Add	270.39	
For Work In Restricted Working Space, Add	147.49	
26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0848)</small>		

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1342	EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	53.99	5.82
	<i>For Elevated Installation >10' To 15', Add</i>	1.16	
	<i>For Elevated Installation >15' To 20', Add</i>	2.33	
	<i>For Elevated Installation >20' To 25', Add</i>	2.91	
	<i>For Elevated Installation >25' To 30', Add</i>	4.07	
	<i>For Elevated Installation >30' To 35', Add</i>	4.65	
	<i>For Elevated Installation >35' To 40', Add</i>	5.82	
	<i>For Elevated Installation >40', Add</i>	6.40	
	<i>For Work In Restricted Working Space, Add</i>	3.49	
26 05 33 13-1343	EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	59.44	7.28
	<i>For Elevated Installation >10' To 15', Add</i>	1.45	
	<i>For Elevated Installation >15' To 20', Add</i>	2.91	
	<i>For Elevated Installation >20' To 25', Add</i>	3.64	
	<i>For Elevated Installation >25' To 30', Add</i>	5.09	
	<i>For Elevated Installation >30' To 35', Add</i>	5.82	
	<i>For Elevated Installation >35' To 40', Add</i>	7.27	
	<i>For Elevated Installation >40', Add</i>	8.00	
	<i>For Work In Restricted Working Space, Add</i>	4.36	
26 05 33 13-1344	EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	67.35	7.28
	<i>For Elevated Installation >10' To 15', Add</i>	1.45	
	<i>For Elevated Installation >15' To 20', Add</i>	2.91	
	<i>For Elevated Installation >20' To 25', Add</i>	3.64	
	<i>For Elevated Installation >25' To 30', Add</i>	5.09	
	<i>For Elevated Installation >30' To 35', Add</i>	5.82	
	<i>For Elevated Installation >35' To 40', Add</i>	7.27	
	<i>For Elevated Installation >40', Add</i>	8.00	
	<i>For Work In Restricted Working Space, Add</i>	4.36	
26 05 33 13-1345	EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	83.00	8.00
	<i>For Elevated Installation >10' To 15', Add</i>	1.60	
	<i>For Elevated Installation >15' To 20', Add</i>	3.20	
	<i>For Elevated Installation >20' To 25', Add</i>	4.00	
	<i>For Elevated Installation >25' To 30', Add</i>	5.60	
	<i>For Elevated Installation >30' To 35', Add</i>	6.40	
	<i>For Elevated Installation >35' To 40', Add</i>	8.00	
	<i>For Elevated Installation >40', Add</i>	8.80	
	<i>For Work In Restricted Working Space, Add</i>	4.80	
26 05 33 13-1346	EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	87.56	8.00
	<i>For Elevated Installation >10' To 15', Add</i>	1.60	
	<i>For Elevated Installation >15' To 20', Add</i>	3.20	
	<i>For Elevated Installation >20' To 25', Add</i>	4.00	
	<i>For Elevated Installation >25' To 30', Add</i>	5.60	
	<i>For Elevated Installation >30' To 35', Add</i>	6.40	
	<i>For Elevated Installation >35' To 40', Add</i>	8.00	
	<i>For Elevated Installation >40', Add</i>	8.80	
	<i>For Work In Restricted Working Space, Add</i>	4.80	
26 05 33 13-1347	EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	75.85	9.46
	<i>For Elevated Installation >10' To 15', Add</i>	1.89	
	<i>For Elevated Installation >15' To 20', Add</i>	3.78	
	<i>For Elevated Installation >20' To 25', Add</i>	4.73	
	<i>For Elevated Installation >25' To 30', Add</i>	6.62	
	<i>For Elevated Installation >30' To 35', Add</i>	7.56	
	<i>For Elevated Installation >35' To 40', Add</i>	9.46	
	<i>For Elevated Installation >40', Add</i>	10.40	
	<i>For Work In Restricted Working Space, Add</i>	5.67	
26 05 33 13-1348	EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	86.03	9.46
	<i>For Elevated Installation >10' To 15', Add</i>	1.89	
	<i>For Elevated Installation >15' To 20', Add</i>	3.78	
	<i>For Elevated Installation >20' To 25', Add</i>	4.73	
	<i>For Elevated Installation >25' To 30', Add</i>	6.62	
	<i>For Elevated Installation >30' To 35', Add</i>	7.56	
	<i>For Elevated Installation >35' To 40', Add</i>	9.46	
	<i>For Elevated Installation >40', Add</i>	10.40	
	<i>For Work In Restricted Working Space, Add</i>	5.67	
26 05 33 13-1349	EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	131.86	9.46
	<i>For Elevated Installation >10' To 15', Add</i>	1.89	
	<i>For Elevated Installation >15' To 20', Add</i>	3.78	
	<i>For Elevated Installation >20' To 25', Add</i>	4.73	
	<i>For Elevated Installation >25' To 30', Add</i>	6.62	
	<i>For Elevated Installation >30' To 35', Add</i>	7.56	
	<i>For Elevated Installation >35' To 40', Add</i>	9.46	
	<i>For Elevated Installation >40', Add</i>	10.40	
	<i>For Work In Restricted Working Space, Add</i>	5.67	
26 05 33 13-1350	EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	146.68	10.91
	<i>For Elevated Installation >10' To 15', Add</i>	2.18	
	<i>For Elevated Installation >15' To 20', Add</i>	4.36	
	<i>For Elevated Installation >20' To 25', Add</i>	5.46	
	<i>For Elevated Installation >25' To 30', Add</i>	7.64	
	<i>For Elevated Installation >30' To 35', Add</i>	8.73	
	<i>For Elevated Installation >35' To 40', Add</i>	10.91	
	<i>For Elevated Installation >40', Add</i>	12.00	
	<i>For Work In Restricted Working Space, Add</i>	6.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1351 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	142.73	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.46	
For Elevated Installation >25' To 30', Add	7.64	
For Elevated Installation >30' To 35', Add	8.73	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.55	
26 05 33 13-1352 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	150.08	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.46	
For Elevated Installation >25' To 30', Add	7.64	
For Elevated Installation >30' To 35', Add	8.73	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.55	
26 05 33 13-1353 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	168.56	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.46	
For Elevated Installation >25' To 30', Add	7.64	
For Elevated Installation >30' To 35', Add	8.73	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.55	
26 05 33 13-1354 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	167.95	13.09
For Elevated Installation >10' To 15', Add	2.62	
For Elevated Installation >15' To 20', Add	5.24	
For Elevated Installation >20' To 25', Add	6.55	
For Elevated Installation >25' To 30', Add	9.16	
For Elevated Installation >30' To 35', Add	10.47	
For Elevated Installation >35' To 40', Add	13.09	
For Elevated Installation >40', Add	14.40	
For Work In Restricted Working Space, Add	7.85	
26 05 33 13-1355 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	214.53	18.18
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.55	
For Elevated Installation >35' To 40', Add	18.19	
For Elevated Installation >40', Add	20.00	
For Work In Restricted Working Space, Add	10.91	
26 05 33 13-1356 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	314.49	21.09
For Elevated Installation >10' To 15', Add	4.22	
For Elevated Installation >15' To 20', Add	8.44	
For Elevated Installation >20' To 25', Add	10.55	
For Elevated Installation >25' To 30', Add	14.76	
For Elevated Installation >30' To 35', Add	16.87	
For Elevated Installation >35' To 40', Add	21.09	
For Elevated Installation >40', Add	23.20	
For Work In Restricted Working Space, Add	12.65	
26 05 33 13-1357 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	420.99	29.09
For Elevated Installation >10' To 15', Add	5.82	
For Elevated Installation >15' To 20', Add	11.64	
For Elevated Installation >20' To 25', Add	14.55	
For Elevated Installation >25' To 30', Add	20.37	
For Elevated Installation >30' To 35', Add	23.28	
For Elevated Installation >35' To 40', Add	29.10	
For Elevated Installation >40', Add	32.00	
For Work In Restricted Working Space, Add	17.46	
26 05 33 13-1358 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	527.31	40.00
For Elevated Installation >10' To 15', Add	8.00	
For Elevated Installation >15' To 20', Add	16.00	
For Elevated Installation >20' To 25', Add	20.00	
For Elevated Installation >25' To 30', Add	28.00	
For Elevated Installation >30' To 35', Add	32.00	
For Elevated Installation >35' To 40', Add	40.00	
For Elevated Installation >40', Add	44.00	
For Work In Restricted Working Space, Add	24.00	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples (26 05 33 13-0848)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.22	8.72
			<i>For Elevated Installation >10' To 15', Add</i>	1.75	
			<i>For Elevated Installation >15' To 20', Add</i>	3.49	
			<i>For Elevated Installation >20' To 25', Add</i>	4.37	
			<i>For Elevated Installation >25' To 30', Add</i>	6.11	
			<i>For Elevated Installation >30' To 35', Add</i>	6.98	
			<i>For Elevated Installation >35' To 40', Add</i>	8.73	
			<i>For Elevated Installation >40', Add</i>	9.60	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33	13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.92	10.91
			<i>For Elevated Installation >10' To 15', Add</i>	2.18	
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Elevated Installation >20' To 25', Add</i>	5.46	
			<i>For Elevated Installation >25' To 30', Add</i>	7.64	
			<i>For Elevated Installation >30' To 35', Add</i>	8.73	
			<i>For Elevated Installation >35' To 40', Add</i>	10.91	
			<i>For Elevated Installation >40', Add</i>	12.00	
			<i>For Work In Restricted Working Space, Add</i>	6.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.55	
26 05 33	13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.72	13.82
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.53	
			<i>For Elevated Installation >20' To 25', Add</i>	6.91	
			<i>For Elevated Installation >25' To 30', Add</i>	9.67	
			<i>For Elevated Installation >30' To 35', Add</i>	11.05	
			<i>For Elevated Installation >35' To 40', Add</i>	13.82	
			<i>For Elevated Installation >40', Add</i>	15.20	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.29	
26 05 33	13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.48	16.00
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.00	
			<i>For Elevated Installation >25' To 30', Add</i>	11.20	
			<i>For Elevated Installation >30' To 35', Add</i>	12.80	
			<i>For Elevated Installation >35' To 40', Add</i>	16.00	
			<i>For Elevated Installation >40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33	13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.62	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.55	
			<i>For Elevated Installation >35' To 40', Add</i>	18.19	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33	13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.95	9.46
			<i>For Elevated Installation >10' To 15', Add</i>	1.89	
			<i>For Elevated Installation >15' To 20', Add</i>	3.78	
			<i>For Elevated Installation >20' To 25', Add</i>	4.73	
			<i>For Elevated Installation >25' To 30', Add</i>	6.62	
			<i>For Elevated Installation >30' To 35', Add</i>	7.56	
			<i>For Elevated Installation >35' To 40', Add</i>	9.46	
			<i>For Elevated Installation >40', Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	5.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67	
26 05 33	13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.34	10.91
			<i>For Elevated Installation >10' To 15', Add</i>	2.18	
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Elevated Installation >20' To 25', Add</i>	5.46	
			<i>For Elevated Installation >25' To 30', Add</i>	7.64	
			<i>For Elevated Installation >30' To 35', Add</i>	8.73	
			<i>For Elevated Installation >35' To 40', Add</i>	10.91	
			<i>For Elevated Installation >40', Add</i>	12.00	
			<i>For Work In Restricted Working Space, Add</i>	6.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.55	
26 05 33	13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.17	13.82
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.53	
			<i>For Elevated Installation >20' To 25', Add</i>	6.91	
			<i>For Elevated Installation >25' To 30', Add</i>	9.67	
			<i>For Elevated Installation >30' To 35', Add</i>	11.05	
			<i>For Elevated Installation >35' To 40', Add</i>	13.82	
			<i>For Elevated Installation >40', Add</i>	15.20	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1368 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.08	16.00
For Elevated Installation >10' To 15', Add	3.20	
For Elevated Installation >15' To 20', Add	6.40	
For Elevated Installation >20' To 25', Add	8.00	
For Elevated Installation >25' To 30', Add	11.20	
For Elevated Installation >30' To 35', Add	12.80	
For Elevated Installation >35' To 40', Add	16.00	
For Elevated Installation >40', Add	17.60	
For Work In Restricted Working Space, Add	9.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1369 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.42	18.18
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.55	
For Elevated Installation >35' To 40', Add	18.19	
For Elevated Installation >40', Add	20.00	
For Work In Restricted Working Space, Add	10.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	
26 05 33 13-1370 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.98	20.37
For Elevated Installation >10' To 15', Add	4.07	
For Elevated Installation >15' To 20', Add	8.14	
For Elevated Installation >20' To 25', Add	10.18	
For Elevated Installation >25' To 30', Add	14.25	
For Elevated Installation >30' To 35', Add	16.29	
For Elevated Installation >35' To 40', Add	20.36	
For Elevated Installation >40', Add	22.40	
For Work In Restricted Working Space, Add	12.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 05 33 13-1371 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.12	9.46
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.73	
For Elevated Installation >25' To 30', Add	6.62	
For Elevated Installation >30' To 35', Add	7.56	
For Elevated Installation >35' To 40', Add	9.46	
For Elevated Installation >40', Add	10.40	
For Work In Restricted Working Space, Add	5.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67	
26 05 33 13-1372 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.50	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.63	
For Elevated Installation >30' To 35', Add	8.72	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-1373 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.49	13.82
For Elevated Installation >10' To 15', Add	2.76	
For Elevated Installation >15' To 20', Add	5.53	
For Elevated Installation >20' To 25', Add	6.91	
For Elevated Installation >25' To 30', Add	9.67	
For Elevated Installation >30' To 35', Add	11.05	
For Elevated Installation >35' To 40', Add	13.82	
For Elevated Installation >40', Add	15.20	
For Work In Restricted Working Space, Add	8.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.29	
26 05 33 13-1374 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.42	16.00
For Elevated Installation >10' To 15', Add	3.20	
For Elevated Installation >15' To 20', Add	6.40	
For Elevated Installation >20' To 25', Add	8.00	
For Elevated Installation >25' To 30', Add	11.20	
For Elevated Installation >30' To 35', Add	12.80	
For Elevated Installation >35' To 40', Add	16.00	
For Elevated Installation >40', Add	17.60	
For Work In Restricted Working Space, Add	9.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1375 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.75	18.18
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.54	
For Elevated Installation >35' To 40', Add	18.18	
For Elevated Installation >40', Add	20.00	
For Work In Restricted Working Space, Add	10.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	69.86	20.37
			<i>For Elevated Installation >10' To 15', Add</i>	4.07	
			<i>For Elevated Installation >15' To 20', Add</i>	8.14	
			<i>For Elevated Installation >20' To 25', Add</i>	10.18	
			<i>For Elevated Installation >25' To 30', Add</i>	14.25	
			<i>For Elevated Installation >30' To 35', Add</i>	16.29	
			<i>For Elevated Installation >35' To 40', Add</i>	20.36	
			<i>For Elevated Installation >40', Add</i>	22.40	
			<i>For Work In Restricted Working Space, Add</i>	12.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 05 33	13-1377	EA	1 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.42	9.46
			<i>For Elevated Installation >10' To 15', Add</i>	1.89	
			<i>For Elevated Installation >15' To 20', Add</i>	3.78	
			<i>For Elevated Installation >20' To 25', Add</i>	4.73	
			<i>For Elevated Installation >25' To 30', Add</i>	6.62	
			<i>For Elevated Installation >30' To 35', Add</i>	7.56	
			<i>For Elevated Installation >35' To 40', Add</i>	9.46	
			<i>For Elevated Installation >40', Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	5.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67	
26 05 33	13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.81	10.91
			<i>For Elevated Installation >10' To 15', Add</i>	2.18	
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Elevated Installation >20' To 25', Add</i>	5.45	
			<i>For Elevated Installation >25' To 30', Add</i>	7.63	
			<i>For Elevated Installation >30' To 35', Add</i>	8.72	
			<i>For Elevated Installation >35' To 40', Add</i>	10.91	
			<i>For Elevated Installation >40', Add</i>	12.00	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33	13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.96	13.82
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.53	
			<i>For Elevated Installation >20' To 25', Add</i>	6.91	
			<i>For Elevated Installation >25' To 30', Add</i>	9.67	
			<i>For Elevated Installation >30' To 35', Add</i>	11.05	
			<i>For Elevated Installation >35' To 40', Add</i>	13.82	
			<i>For Elevated Installation >40', Add</i>	15.20	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.29	
26 05 33	13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.83	16.00
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.00	
			<i>For Elevated Installation >25' To 30', Add</i>	11.20	
			<i>For Elevated Installation >30' To 35', Add</i>	12.80	
			<i>For Elevated Installation >35' To 40', Add</i>	16.00	
			<i>For Elevated Installation >40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33	13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.30	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.54	
			<i>For Elevated Installation >35' To 40', Add</i>	18.18	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33	13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.57	20.37
			<i>For Elevated Installation >10' To 15', Add</i>	4.07	
			<i>For Elevated Installation >15' To 20', Add</i>	8.14	
			<i>For Elevated Installation >20' To 25', Add</i>	10.18	
			<i>For Elevated Installation >25' To 30', Add</i>	14.25	
			<i>For Elevated Installation >30' To 35', Add</i>	16.29	
			<i>For Elevated Installation >35' To 40', Add</i>	20.36	
			<i>For Elevated Installation >40', Add</i>	22.40	
			<i>For Work In Restricted Working Space, Add</i>	12.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 05 33	13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	100.01	24.72
			<i>For Elevated Installation >10' To 15', Add</i>	4.95	
			<i>For Elevated Installation >15' To 20', Add</i>	9.89	
			<i>For Elevated Installation >20' To 25', Add</i>	12.36	
			<i>For Elevated Installation >25' To 30', Add</i>	17.31	
			<i>For Elevated Installation >30' To 35', Add</i>	19.78	
			<i>For Elevated Installation >35' To 40', Add</i>	24.73	
			<i>For Elevated Installation >40', Add</i>	27.20	
			<i>For Work In Restricted Working Space, Add</i>	14.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1384 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	130.22	34.18
For Elevated Installation >10' To 15', Add	6.84	
For Elevated Installation >15' To 20', Add	13.67	
For Elevated Installation >20' To 25', Add	17.09	
For Elevated Installation >25' To 30', Add	23.93	
For Elevated Installation >30' To 35', Add	27.34	
For Elevated Installation >35' To 40', Add	34.18	
For Elevated Installation >40', Add	37.60	
For Work In Restricted Working Space, Add	20.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.51	
26 05 33 13-1385 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.59	9.46
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.73	
For Elevated Installation >25' To 30', Add	6.62	
For Elevated Installation >30' To 35', Add	7.56	
For Elevated Installation >35' To 40', Add	9.46	
For Elevated Installation >40', Add	10.40	
For Work In Restricted Working Space, Add	5.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67	
26 05 33 13-1386 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.12	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.63	
For Elevated Installation >30' To 35', Add	8.72	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-1387 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.30	13.82
For Elevated Installation >10' To 15', Add	2.76	
For Elevated Installation >15' To 20', Add	5.53	
For Elevated Installation >20' To 25', Add	6.91	
For Elevated Installation >25' To 30', Add	9.67	
For Elevated Installation >30' To 35', Add	11.05	
For Elevated Installation >35' To 40', Add	13.82	
For Elevated Installation >40', Add	15.20	
For Work In Restricted Working Space, Add	8.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.29	
26 05 33 13-1388 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.23	16.00
For Elevated Installation >10' To 15', Add	3.20	
For Elevated Installation >15' To 20', Add	6.40	
For Elevated Installation >20' To 25', Add	8.00	
For Elevated Installation >25' To 30', Add	11.20	
For Elevated Installation >30' To 35', Add	12.80	
For Elevated Installation >35' To 40', Add	16.00	
For Elevated Installation >40', Add	17.60	
For Work In Restricted Working Space, Add	9.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1389 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	66.85	18.18
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.54	
For Elevated Installation >35' To 40', Add	18.18	
For Elevated Installation >40', Add	20.00	
For Work In Restricted Working Space, Add	10.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	
26 05 33 13-1390 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	75.29	20.37
For Elevated Installation >10' To 15', Add	4.07	
For Elevated Installation >15' To 20', Add	8.14	
For Elevated Installation >20' To 25', Add	10.18	
For Elevated Installation >25' To 30', Add	14.25	
For Elevated Installation >30' To 35', Add	16.29	
For Elevated Installation >35' To 40', Add	20.36	
For Elevated Installation >40', Add	22.40	
For Work In Restricted Working Space, Add	12.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 05 33 13-1391 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	102.41	24.72
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.84	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	135.39	34.18
			<i>For Elevated Installation >10' To 15', Add</i>	6.84	
			<i>For Elevated Installation >15' To 20', Add</i>	13.67	
			<i>For Elevated Installation >20' To 25', Add</i>	17.09	
			<i>For Elevated Installation >25' To 30', Add</i>	23.93	
			<i>For Elevated Installation >30' To 35', Add</i>	27.34	
			<i>For Elevated Installation >35' To 40', Add</i>	34.18	
			<i>For Elevated Installation >40', Add</i>	37.60	
			<i>For Work In Restricted Working Space, Add</i>	20.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.51	
26 05 33	13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	160.68	38.55
			<i>For Elevated Installation >10' To 15', Add</i>	7.71	
			<i>For Elevated Installation >15' To 20', Add</i>	15.42	
			<i>For Elevated Installation >20' To 25', Add</i>	19.27	
			<i>For Elevated Installation >25' To 30', Add</i>	26.98	
			<i>For Elevated Installation >30' To 35', Add</i>	30.83	
			<i>For Elevated Installation >35' To 40', Add</i>	38.54	
			<i>For Elevated Installation >40', Add</i>	42.39	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 05 33	13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	189.80	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33	13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.91	9.46
			<i>For Elevated Installation >10' To 15', Add</i>	1.89	
			<i>For Elevated Installation >15' To 20', Add</i>	3.78	
			<i>For Elevated Installation >20' To 25', Add</i>	4.73	
			<i>For Elevated Installation >25' To 30', Add</i>	6.62	
			<i>For Elevated Installation >30' To 35', Add</i>	7.56	
			<i>For Elevated Installation >35' To 40', Add</i>	9.46	
			<i>For Elevated Installation >40', Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	5.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67	
26 05 33	13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.46	10.91
			<i>For Elevated Installation >10' To 15', Add</i>	2.18	
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Elevated Installation >20' To 25', Add</i>	5.45	
			<i>For Elevated Installation >25' To 30', Add</i>	7.63	
			<i>For Elevated Installation >30' To 35', Add</i>	8.72	
			<i>For Elevated Installation >35' To 40', Add</i>	10.91	
			<i>For Elevated Installation >40', Add</i>	12.00	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33	13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.67	13.82
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.53	
			<i>For Elevated Installation >20' To 25', Add</i>	6.91	
			<i>For Elevated Installation >25' To 30', Add</i>	9.67	
			<i>For Elevated Installation >30' To 35', Add</i>	11.05	
			<i>For Elevated Installation >35' To 40', Add</i>	13.82	
			<i>For Elevated Installation >40', Add</i>	15.20	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.29	
26 05 33	13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.89	16.00
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.00	
			<i>For Elevated Installation >25' To 30', Add</i>	11.20	
			<i>For Elevated Installation >30' To 35', Add</i>	12.80	
			<i>For Elevated Installation >35' To 40', Add</i>	16.00	
			<i>For Elevated Installation >40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33	13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.53	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.54	
			<i>For Elevated Installation >35' To 40', Add</i>	18.18	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1400 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	76.77	20.37
For Elevated Installation >10' To 15', Add	4.07	
For Elevated Installation >15' To 20', Add	8.14	
For Elevated Installation >20' To 25', Add	10.18	
For Elevated Installation >25' To 30', Add	14.25	
For Elevated Installation >30' To 35', Add	16.29	
For Elevated Installation >35' To 40', Add	20.36	
For Elevated Installation >40', Add	22.40	
For Work In Restricted Working Space, Add	12.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 05 33 13-1401 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	111.97	24.72
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.84	
26 05 33 13-1402 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	143.13	34.18
For Elevated Installation >10' To 15', Add	6.84	
For Elevated Installation >15' To 20', Add	13.67	
For Elevated Installation >20' To 25', Add	17.09	
For Elevated Installation >25' To 30', Add	23.93	
For Elevated Installation >30' To 35', Add	27.34	
For Elevated Installation >35' To 40', Add	34.18	
For Elevated Installation >40', Add	37.60	
For Work In Restricted Working Space, Add	20.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.51	
26 05 33 13-1403 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	162.33	38.55
For Elevated Installation >10' To 15', Add	7.71	
For Elevated Installation >15' To 20', Add	15.42	
For Elevated Installation >20' To 25', Add	19.27	
For Elevated Installation >25' To 30', Add	26.98	
For Elevated Installation >30' To 35', Add	30.83	
For Elevated Installation >35' To 40', Add	38.54	
For Elevated Installation >40', Add	42.39	
For Work In Restricted Working Space, Add	23.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.12	
26 05 33 13-1404 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	194.22	50.18
For Elevated Installation >10' To 15', Add	10.04	
For Elevated Installation >15' To 20', Add	20.07	
For Elevated Installation >20' To 25', Add	25.09	
For Elevated Installation >25' To 30', Add	35.13	
For Elevated Installation >30' To 35', Add	40.14	
For Elevated Installation >35' To 40', Add	50.18	
For Elevated Installation >40', Add	55.20	
For Work In Restricted Working Space, Add	30.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.11	
26 05 33 13-1405 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	284.16	69.09
For Elevated Installation >10' To 15', Add	13.82	
For Elevated Installation >15' To 20', Add	27.63	
For Elevated Installation >20' To 25', Add	34.54	
For Elevated Installation >25' To 30', Add	48.36	
For Elevated Installation >30' To 35', Add	55.27	
For Elevated Installation >35' To 40', Add	69.09	
For Elevated Installation >40', Add	75.99	
For Work In Restricted Working Space, Add	41.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.45	
26 05 33 13-1406 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.51	9.46
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.73	
For Elevated Installation >25' To 30', Add	6.62	
For Elevated Installation >30' To 35', Add	7.56	
For Elevated Installation >35' To 40', Add	9.46	
For Elevated Installation >40', Add	10.40	
For Work In Restricted Working Space, Add	5.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67	
26 05 33 13-1407 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.07	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.63	
For Elevated Installation >30' To 35', Add	8.72	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.32	13.82
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.53	
			<i>For Elevated Installation >20' To 25', Add</i>	6.91	
			<i>For Elevated Installation >25' To 30', Add</i>	9.67	
			<i>For Elevated Installation >30' To 35', Add</i>	11.05	
			<i>For Elevated Installation >35' To 40', Add</i>	13.82	
			<i>For Elevated Installation >40', Add</i>	15.20	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.29	
26 05 33	13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.10	16.00
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.00	
			<i>For Elevated Installation >25' To 30', Add</i>	11.20	
			<i>For Elevated Installation >30' To 35', Add</i>	12.80	
			<i>For Elevated Installation >35' To 40', Add</i>	16.00	
			<i>For Elevated Installation >40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33	13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	68.99	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.54	
			<i>For Elevated Installation >35' To 40', Add</i>	18.18	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33	13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	78.25	20.37
			<i>For Elevated Installation >10' To 15', Add</i>	4.07	
			<i>For Elevated Installation >15' To 20', Add</i>	8.14	
			<i>For Elevated Installation >20' To 25', Add</i>	10.18	
			<i>For Elevated Installation >25' To 30', Add</i>	14.25	
			<i>For Elevated Installation >30' To 35', Add</i>	16.29	
			<i>For Elevated Installation >35' To 40', Add</i>	20.36	
			<i>For Elevated Installation >40', Add</i>	22.40	
			<i>For Work In Restricted Working Space, Add</i>	12.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 05 33	13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	121.67	24.72
			<i>For Elevated Installation >10' To 15', Add</i>	4.95	
			<i>For Elevated Installation >15' To 20', Add</i>	9.89	
			<i>For Elevated Installation >20' To 25', Add</i>	12.36	
			<i>For Elevated Installation >25' To 30', Add</i>	17.31	
			<i>For Elevated Installation >30' To 35', Add</i>	19.78	
			<i>For Elevated Installation >35' To 40', Add</i>	24.73	
			<i>For Elevated Installation >40', Add</i>	27.20	
			<i>For Work In Restricted Working Space, Add</i>	14.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.84	
26 05 33	13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	153.41	34.18
			<i>For Elevated Installation >10' To 15', Add</i>	6.84	
			<i>For Elevated Installation >15' To 20', Add</i>	13.67	
			<i>For Elevated Installation >20' To 25', Add</i>	17.09	
			<i>For Elevated Installation >25' To 30', Add</i>	23.93	
			<i>For Elevated Installation >30' To 35', Add</i>	27.34	
			<i>For Elevated Installation >35' To 40', Add</i>	34.18	
			<i>For Elevated Installation >40', Add</i>	37.60	
			<i>For Work In Restricted Working Space, Add</i>	20.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.51	
26 05 33	13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	171.59	38.55
			<i>For Elevated Installation >10' To 15', Add</i>	7.71	
			<i>For Elevated Installation >15' To 20', Add</i>	15.42	
			<i>For Elevated Installation >20' To 25', Add</i>	19.27	
			<i>For Elevated Installation >25' To 30', Add</i>	26.98	
			<i>For Elevated Installation >30' To 35', Add</i>	30.83	
			<i>For Elevated Installation >35' To 40', Add</i>	38.54	
			<i>For Elevated Installation >40', Add</i>	42.39	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 05 33	13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	209.84	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1416 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	307.52	69.09
For Elevated Installation >10' To 15', Add	13.82	
For Elevated Installation >15' To 20', Add	27.63	
For Elevated Installation >20' To 25', Add	34.54	
For Elevated Installation >25' To 30', Add	48.36	
For Elevated Installation >30' To 35', Add	55.27	
For Elevated Installation >35' To 40', Add	69.09	
For Elevated Installation >40', Add	75.99	
For Work In Restricted Working Space, Add	41.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.45	
26 05 33 13-1417 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.46	9.46
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.73	
For Elevated Installation >25' To 30', Add	6.62	
For Elevated Installation >30' To 35', Add	7.56	
For Elevated Installation >35' To 40', Add	9.46	
For Elevated Installation >40', Add	10.40	
For Work In Restricted Working Space, Add	5.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67	
26 05 33 13-1418 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.99	10.91
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.36	
For Elevated Installation >20' To 25', Add	5.45	
For Elevated Installation >25' To 30', Add	7.63	
For Elevated Installation >30' To 35', Add	8.72	
For Elevated Installation >35' To 40', Add	10.91	
For Elevated Installation >40', Add	12.00	
For Work In Restricted Working Space, Add	6.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-1419 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.78	13.82
For Elevated Installation >10' To 15', Add	2.76	
For Elevated Installation >15' To 20', Add	5.53	
For Elevated Installation >20' To 25', Add	6.91	
For Elevated Installation >25' To 30', Add	9.67	
For Elevated Installation >30' To 35', Add	11.05	
For Elevated Installation >35' To 40', Add	13.82	
For Elevated Installation >40', Add	15.20	
For Work In Restricted Working Space, Add	8.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.29	
26 05 33 13-1420 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.42	16.00
For Elevated Installation >10' To 15', Add	3.20	
For Elevated Installation >15' To 20', Add	6.40	
For Elevated Installation >20' To 25', Add	8.00	
For Elevated Installation >25' To 30', Add	11.20	
For Elevated Installation >30' To 35', Add	12.80	
For Elevated Installation >35' To 40', Add	16.00	
For Elevated Installation >40', Add	17.60	
For Work In Restricted Working Space, Add	9.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-1421 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	71.95	18.18
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.54	
For Elevated Installation >35' To 40', Add	18.18	
For Elevated Installation >40', Add	20.00	
For Work In Restricted Working Space, Add	10.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	
26 05 33 13-1422 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	85.48	20.37
For Elevated Installation >10' To 15', Add	4.07	
For Elevated Installation >15' To 20', Add	8.14	
For Elevated Installation >20' To 25', Add	10.18	
For Elevated Installation >25' To 30', Add	14.25	
For Elevated Installation >30' To 35', Add	16.29	
For Elevated Installation >35' To 40', Add	20.36	
For Elevated Installation >40', Add	22.40	
For Work In Restricted Working Space, Add	12.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 05 33 13-1423 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	133.60	24.72
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.84	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	167.48	34.18
			<i>For Elevated Installation >10' To 15', Add</i>	6.84	
			<i>For Elevated Installation >15' To 20', Add</i>	13.67	
			<i>For Elevated Installation >20' To 25', Add</i>	17.09	
			<i>For Elevated Installation >25' To 30', Add</i>	23.93	
			<i>For Elevated Installation >30' To 35', Add</i>	27.34	
			<i>For Elevated Installation >35' To 40', Add</i>	34.18	
			<i>For Elevated Installation >40', Add</i>	37.60	
			<i>For Work In Restricted Working Space, Add</i>	20.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.51	
26 05 33	13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	194.79	38.55
			<i>For Elevated Installation >10' To 15', Add</i>	7.71	
			<i>For Elevated Installation >15' To 20', Add</i>	15.42	
			<i>For Elevated Installation >20' To 25', Add</i>	19.27	
			<i>For Elevated Installation >25' To 30', Add</i>	26.98	
			<i>For Elevated Installation >30' To 35', Add</i>	30.83	
			<i>For Elevated Installation >35' To 40', Add</i>	38.54	
			<i>For Elevated Installation >40', Add</i>	42.39	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 05 33	13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	233.30	50.18
			<i>For Elevated Installation >10' To 15', Add</i>	10.04	
			<i>For Elevated Installation >15' To 20', Add</i>	20.07	
			<i>For Elevated Installation >20' To 25', Add</i>	25.09	
			<i>For Elevated Installation >25' To 30', Add</i>	35.13	
			<i>For Elevated Installation >30' To 35', Add</i>	40.14	
			<i>For Elevated Installation >35' To 40', Add</i>	50.18	
			<i>For Elevated Installation >40', Add</i>	55.20	
			<i>For Work In Restricted Working Space, Add</i>	30.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33	13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	323.53	69.09
			<i>For Elevated Installation >10' To 15', Add</i>	13.82	
			<i>For Elevated Installation >15' To 20', Add</i>	27.63	
			<i>For Elevated Installation >20' To 25', Add</i>	34.54	
			<i>For Elevated Installation >25' To 30', Add</i>	48.36	
			<i>For Elevated Installation >30' To 35', Add</i>	55.27	
			<i>For Elevated Installation >35' To 40', Add</i>	69.09	
			<i>For Elevated Installation >40', Add</i>	75.99	
			<i>For Work In Restricted Working Space, Add</i>	41.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.45	
26 05 33	13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.45	9.46
			<i>For Elevated Installation >10' To 15', Add</i>	1.89	
			<i>For Elevated Installation >15' To 20', Add</i>	3.78	
			<i>For Elevated Installation >20' To 25', Add</i>	4.73	
			<i>For Elevated Installation >25' To 30', Add</i>	6.62	
			<i>For Elevated Installation >30' To 35', Add</i>	7.56	
			<i>For Elevated Installation >35' To 40', Add</i>	9.46	
			<i>For Elevated Installation >40', Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	5.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67	
26 05 33	13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.96	10.91
			<i>For Elevated Installation >10' To 15', Add</i>	2.18	
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Elevated Installation >20' To 25', Add</i>	5.45	
			<i>For Elevated Installation >25' To 30', Add</i>	7.63	
			<i>For Elevated Installation >30' To 35', Add</i>	8.72	
			<i>For Elevated Installation >35' To 40', Add</i>	10.91	
			<i>For Elevated Installation >40', Add</i>	12.00	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33	13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.21	13.82
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.53	
			<i>For Elevated Installation >20' To 25', Add</i>	6.91	
			<i>For Elevated Installation >25' To 30', Add</i>	9.67	
			<i>For Elevated Installation >30' To 35', Add</i>	11.05	
			<i>For Elevated Installation >35' To 40', Add</i>	13.82	
			<i>For Elevated Installation >40', Add</i>	15.20	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.29	
26 05 33	13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.78	16.00
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.00	
			<i>For Elevated Installation >25' To 30', Add</i>	11.20	
			<i>For Elevated Installation >30' To 35', Add</i>	12.80	
			<i>For Elevated Installation >35' To 40', Add</i>	16.00	
			<i>For Elevated Installation >40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1432 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	78.98	18.18
For Elevated Installation >10' To 15', Add	3.64	
For Elevated Installation >15' To 20', Add	7.27	
For Elevated Installation >20' To 25', Add	9.09	
For Elevated Installation >25' To 30', Add	12.73	
For Elevated Installation >30' To 35', Add	14.54	
For Elevated Installation >35' To 40', Add	18.18	
For Elevated Installation >40', Add	20.00	
For Work In Restricted Working Space, Add	10.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.91	
26 05 33 13-1433 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	96.10	20.37
For Elevated Installation >10' To 15', Add	4.07	
For Elevated Installation >15' To 20', Add	8.14	
For Elevated Installation >20' To 25', Add	10.18	
For Elevated Installation >25' To 30', Add	14.25	
For Elevated Installation >30' To 35', Add	16.29	
For Elevated Installation >35' To 40', Add	20.36	
For Elevated Installation >40', Add	22.40	
For Work In Restricted Working Space, Add	12.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 05 33 13-1434 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	146.22	24.72
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.89	
For Elevated Installation >20' To 25', Add	12.36	
For Elevated Installation >25' To 30', Add	17.31	
For Elevated Installation >30' To 35', Add	19.78	
For Elevated Installation >35' To 40', Add	24.73	
For Elevated Installation >40', Add	27.20	
For Work In Restricted Working Space, Add	14.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.84	
26 05 33 13-1435 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	185.51	34.18
For Elevated Installation >10' To 15', Add	6.84	
For Elevated Installation >15' To 20', Add	13.67	
For Elevated Installation >20' To 25', Add	17.09	
For Elevated Installation >25' To 30', Add	23.93	
For Elevated Installation >30' To 35', Add	27.34	
For Elevated Installation >35' To 40', Add	34.18	
For Elevated Installation >40', Add	37.60	
For Work In Restricted Working Space, Add	20.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.51	
26 05 33 13-1436 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	219.14	38.55
For Elevated Installation >10' To 15', Add	7.71	
For Elevated Installation >15' To 20', Add	15.42	
For Elevated Installation >20' To 25', Add	19.27	
For Elevated Installation >25' To 30', Add	26.98	
For Elevated Installation >30' To 35', Add	30.83	
For Elevated Installation >35' To 40', Add	38.54	
For Elevated Installation >40', Add	42.39	
For Work In Restricted Working Space, Add	23.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.12	
26 05 33 13-1437 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	274.35	50.18
For Elevated Installation >10' To 15', Add	10.04	
For Elevated Installation >15' To 20', Add	20.07	
For Elevated Installation >20' To 25', Add	25.09	
For Elevated Installation >25' To 30', Add	35.13	
For Elevated Installation >30' To 35', Add	40.14	
For Elevated Installation >35' To 40', Add	50.18	
For Elevated Installation >40', Add	55.20	
For Work In Restricted Working Space, Add	30.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.11	
26 05 33 13-1438 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	355.48	69.09
For Elevated Installation >10' To 15', Add	13.82	
For Elevated Installation >15' To 20', Add	27.63	
For Elevated Installation >20' To 25', Add	34.54	
For Elevated Installation >25' To 30', Add	48.36	
For Elevated Installation >30' To 35', Add	55.27	
For Elevated Installation >35' To 40', Add	69.09	
For Elevated Installation >40', Add	75.99	
For Work In Restricted Working Space, Add	41.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.45	
26 05 33 13-1439 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.47	9.46
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.73	
For Elevated Installation >25' To 30', Add	6.62	
For Elevated Installation >30' To 35', Add	7.56	
For Elevated Installation >35' To 40', Add	9.46	
For Elevated Installation >40', Add	10.40	
For Work In Restricted Working Space, Add	5.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.67	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.10	10.91
			<i>For Elevated Installation >10' To 15', Add</i>	2.18	
			<i>For Elevated Installation >15' To 20', Add</i>	4.36	
			<i>For Elevated Installation >20' To 25', Add</i>	5.45	
			<i>For Elevated Installation >25' To 30', Add</i>	7.63	
			<i>For Elevated Installation >30' To 35', Add</i>	8.72	
			<i>For Elevated Installation >35' To 40', Add</i>	10.91	
			<i>For Elevated Installation >40', Add</i>	12.00	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33	13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.85	13.82
			<i>For Elevated Installation >10' To 15', Add</i>	2.76	
			<i>For Elevated Installation >15' To 20', Add</i>	5.53	
			<i>For Elevated Installation >20' To 25', Add</i>	6.91	
			<i>For Elevated Installation >25' To 30', Add</i>	9.67	
			<i>For Elevated Installation >30' To 35', Add</i>	11.05	
			<i>For Elevated Installation >35' To 40', Add</i>	13.82	
			<i>For Elevated Installation >40', Add</i>	15.20	
			<i>For Work In Restricted Working Space, Add</i>	8.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.29	
26 05 33	13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.96	16.00
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.00	
			<i>For Elevated Installation >25' To 30', Add</i>	11.20	
			<i>For Elevated Installation >30' To 35', Add</i>	12.80	
			<i>For Elevated Installation >35' To 40', Add</i>	16.00	
			<i>For Elevated Installation >40', Add</i>	17.60	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.60	
26 05 33	13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	87.50	18.18
			<i>For Elevated Installation >10' To 15', Add</i>	3.64	
			<i>For Elevated Installation >15' To 20', Add</i>	7.27	
			<i>For Elevated Installation >20' To 25', Add</i>	9.09	
			<i>For Elevated Installation >25' To 30', Add</i>	12.73	
			<i>For Elevated Installation >30' To 35', Add</i>	14.54	
			<i>For Elevated Installation >35' To 40', Add</i>	18.18	
			<i>For Elevated Installation >40', Add</i>	20.00	
			<i>For Work In Restricted Working Space, Add</i>	10.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33	13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	104.64	20.37
			<i>For Elevated Installation >10' To 15', Add</i>	4.07	
			<i>For Elevated Installation >15' To 20', Add</i>	8.14	
			<i>For Elevated Installation >20' To 25', Add</i>	10.18	
			<i>For Elevated Installation >25' To 30', Add</i>	14.25	
			<i>For Elevated Installation >30' To 35', Add</i>	16.29	
			<i>For Elevated Installation >35' To 40', Add</i>	20.36	
			<i>For Elevated Installation >40', Add</i>	22.40	
			<i>For Work In Restricted Working Space, Add</i>	12.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 05 33	13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	163.06	24.72
			<i>For Elevated Installation >10' To 15', Add</i>	4.95	
			<i>For Elevated Installation >15' To 20', Add</i>	9.89	
			<i>For Elevated Installation >20' To 25', Add</i>	12.36	
			<i>For Elevated Installation >25' To 30', Add</i>	17.31	
			<i>For Elevated Installation >30' To 35', Add</i>	19.78	
			<i>For Elevated Installation >35' To 40', Add</i>	24.73	
			<i>For Elevated Installation >40', Add</i>	27.20	
			<i>For Work In Restricted Working Space, Add</i>	14.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.84	
26 05 33	13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	212.53	34.18
			<i>For Elevated Installation >10' To 15', Add</i>	6.84	
			<i>For Elevated Installation >15' To 20', Add</i>	13.67	
			<i>For Elevated Installation >20' To 25', Add</i>	17.09	
			<i>For Elevated Installation >25' To 30', Add</i>	23.93	
			<i>For Elevated Installation >30' To 35', Add</i>	27.34	
			<i>For Elevated Installation >35' To 40', Add</i>	34.18	
			<i>For Elevated Installation >40', Add</i>	37.60	
			<i>For Work In Restricted Working Space, Add</i>	20.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.51	
26 05 33	13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	234.09	38.55
			<i>For Elevated Installation >10' To 15', Add</i>	7.71	
			<i>For Elevated Installation >15' To 20', Add</i>	15.42	
			<i>For Elevated Installation >20' To 25', Add</i>	19.27	
			<i>For Elevated Installation >25' To 30', Add</i>	26.98	
			<i>For Elevated Installation >30' To 35', Add</i>	30.83	
			<i>For Elevated Installation >35' To 40', Add</i>	38.54	
			<i>For Elevated Installation >40', Add</i>	42.39	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1448 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	286.94	50.18
<i>For Elevated Installation >10' To 15', Add</i>	10.04	
<i>For Elevated Installation >15' To 20', Add</i>	20.07	
<i>For Elevated Installation >20' To 25', Add</i>	25.09	
<i>For Elevated Installation >25' To 30', Add</i>	35.13	
<i>For Elevated Installation >30' To 35', Add</i>	40.14	
<i>For Elevated Installation >35' To 40', Add</i>	50.18	
<i>For Elevated Installation >40', Add</i>	55.20	
<i>For Work In Restricted Working Space, Add</i>	30.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.11	
26 05 33 13-1449 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	360.04	69.09
<i>For Elevated Installation >10' To 15', Add</i>	13.82	
<i>For Elevated Installation >15' To 20', Add</i>	27.63	
<i>For Elevated Installation >20' To 25', Add</i>	34.54	
<i>For Elevated Installation >25' To 30', Add</i>	48.36	
<i>For Elevated Installation >30' To 35', Add</i>	55.27	
<i>For Elevated Installation >35' To 40', Add</i>	69.09	
<i>For Elevated Installation >40', Add</i>	75.99	
<i>For Work In Restricted Working Space, Add</i>	41.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.45	
26 05 33 13-1450 Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0059)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-1450)</small>		
<i>Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".</i>		
26 05 33 13-1452 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.70	2.24
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	1.68	
26 05 33 13-1453 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.64	2.46
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.92	
<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 33 13-1454 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.83	2.69
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.01	
<i>For Work In Restricted Working Space, Add</i>	2.02	
26 05 33 13-1455 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.05	2.91
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.09	
<i>For Work In Restricted Working Space, Add</i>	2.18	
26 05 33 13-1456 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.27	3.13
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.17	
<i>For Work In Restricted Working Space, Add</i>	2.35	
26 05 33 13-1457 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	13.55	3.58
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.34	
<i>For Work In Restricted Working Space, Add</i>	2.69	
26 05 33 13-1458 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	18.45	4.48
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.68	
<i>For Work In Restricted Working Space, Add</i>	3.36	
26 05 33 13-1459 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	22.97	5.37
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.01	
<i>For Work In Restricted Working Space, Add</i>	4.03	
26 05 33 13-1460 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	28.23	6.72
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.52	
<i>For Work In Restricted Working Space, Add</i>	5.03	
26 05 33 13-1461 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	34.82	8.50
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.19	
<i>For Work In Restricted Working Space, Add</i>	6.38	
26 05 33 13-1462 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	46.26	10.74
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.03	
<i>For Work In Restricted Working Space, Add</i>	8.06	
26 05 33 13-1463 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	59.12	13.43
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.04	
<i>For Work In Restricted Working Space, Add</i>	10.07	
26 05 33 13-1464 Aluminum 90 Degree Elbows <small>(26 05 33 13-1450)</small>		
26 05 33 13-1465 EA 1" Aluminum 90 Degree Elbow	40.91	11.63
<i>For Work In Restricted Working Space, Add</i>	8.73	
26 05 33 13-1466 EA 1-1/4" Aluminum 90 Degree Elbow.....	51.78	13.20
<i>For Work In Restricted Working Space, Add</i>	9.90	
26 05 33 13-1467 EA 1-1/2" Aluminum 90 Degree Elbow.....	63.03	15.22
<i>For Work In Restricted Working Space, Add</i>	11.41	
26 05 33 13-1468 EA 2" Aluminum 90 Degree Elbow	80.43	17.46
<i>For Work In Restricted Working Space, Add</i>	13.09	
26 05 33 13-1469 EA 2-1/2" Aluminum 90 Degree Elbow.....	115.16	21.26
<i>For Work In Restricted Working Space, Add</i>	15.95	
26 05 33 13-1470 EA 3" Aluminum 90 Degree Elbow	164.59	27.52
<i>For Work In Restricted Working Space, Add</i>	20.64	
26 05 33 13-1471 EA 3-1/2" Aluminum 90 Degree Elbow.....	226.59	30.88
<i>For Work In Restricted Working Space, Add</i>	23.16	
26 05 33 13-1472 EA 4" Aluminum 90 Degree Elbow	273.91	38.72
<i>For Work In Restricted Working Space, Add</i>	29.03	
26 05 33 13-1473 EA 5" Aluminum 90 Degree Elbow	681.49	63.11
<i>For Work In Restricted Working Space, Add</i>	47.33	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1474	EA	6" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	961.82 71.16	94.88
26 05 33 13-1475 Aluminum Bushing Set With Locknut <small>(26 05 33 13-1450)</small>					
26 05 33	13-1476	EA	1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.09 3.36 3.36	4.48
26 05 33	13-1477	EA	3/4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.16 4.36 4.36	5.82
26 05 33	13-1478	EA	1" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.48 5.37 5.37	7.16
26 05 33	13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79 6.04 6.04	8.06
26 05 33	13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.44 7.38 7.38	9.85
26 05 33	13-1481	EA	2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.02 8.90 8.90	11.86
26 05 33	13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.04 10.57 10.57	14.09
26 05 33	13-1483	EA	3" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.43 12.08 12.08	16.11
26 05 33	13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.05 13.09 13.09	17.46
26 05 33	13-1485	EA	4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.29 14.10 14.10	18.80
26 05 33	13-1486	EA	5" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.30 18.80 18.80	25.06
26 05 33	13-1487	EA	6" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.09 28.19 28.19	37.59
26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0059)</small>					
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.					
26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1488)</small>					
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".					
26 05 33	13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.32 0.47 0.79	1.71
26 05 33	13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.08 0.58 0.95	1.88
26 05 33	13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.56 0.79 1.27	2.20
26 05 33	13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.04 1.00 1.59	2.51
26 05 33	13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.63 1.19 1.89	2.93
26 05 33	13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	12.73 1.51 2.36	3.35
26 05 33	13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	16.90 2.24 3.43	3.97
26 05 33	13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.79 2.65 4.05	4.60
26 05 33	13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	24.19 3.33 5.07	5.43
26 05 33	13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.37 3.75 5.75	6.70
26 05 33	13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	40.50 5.42 8.29	9.41
26 05 33	13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	53.78 7.17 10.98	12.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1488)</small>		
See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1503 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	22.35	8.37
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	1.41	
For Schedule 80, Add	2.60	
26 05 33 13-1504 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	24.73	9.20
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	1.58	
For Schedule 80, Add	2.90	
26 05 33 13-1505 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	28.85	10.46
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	1.98	
For Schedule 80, Add	3.56	
26 05 33 13-1506 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	37.36	13.38
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	2.65	
For Schedule 80, Add	4.71	
26 05 33 13-1507 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	47.12	16.73
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	3.41	
For Schedule 80, Add	6.03	
26 05 33 13-1508 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	59.59	20.91
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	4.44	
For Schedule 80, Add	7.78	
26 05 33 13-1509 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	75.65	25.10
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	6.36	
For Schedule 80, Add	10.79	
26 05 33 13-1510 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	94.28	29.29
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	8.93	
For Schedule 80, Add	14.70	
26 05 33 13-1511 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	118.19	35.56
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	11.77	
For Schedule 80, Add	19.14	
26 05 33 13-1512 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	142.26	41.84
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	14.65	
For Schedule 80, Add	23.65	
26 05 33 13-1513 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	197.17	52.29
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	23.15	
For Schedule 80, Add	36.33	
26 05 33 13-1514 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	241.57	62.75
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	29.02	
For Schedule 80, Add	45.33	
26 05 33 13-1515 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-1488)</small>		
See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1516 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	22.35	8.37
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	1.41	
For Schedule 80, Add	2.60	
26 05 33 13-1517 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	24.63	9.20
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	1.56	
For Schedule 80, Add	2.87	
26 05 33 13-1518 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	28.70	10.46
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	1.95	
For Schedule 80, Add	3.51	
26 05 33 13-1519 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	36.94	13.38
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	2.54	
For Schedule 80, Add	4.56	
26 05 33 13-1520 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	46.18	16.73
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	3.18	
For Schedule 80, Add	5.70	
26 05 33 13-1521 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	59.09	20.91
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	4.31	
For Schedule 80, Add	7.61	
26 05 33 13-1522 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	74.71	25.10
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	6.13	
For Schedule 80, Add	10.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1523 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	93.09	29.29
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	8.63	
For Schedule 80, Add	14.28	
26 05 33 13-1524 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	114.86	35.56
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	10.94	
For Schedule 80, Add	17.98	
26 05 33 13-1525 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	139.40	41.84
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	13.93	
For Schedule 80, Add	22.65	
26 05 33 13-1526 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	193.47	52.29
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	22.22	
For Schedule 80, Add	35.03	
26 05 33 13-1527 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	230.54	62.75
See CSI section 26 05 33 13-2329 for conduit field bending.		
For Schedule 60, Add	26.26	
For Schedule 80, Add	41.47	
26 05 33 13-1528 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow <small>(26 05 33 13-1488)</small>		
26 05 33 13-1529 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	89.43	27.63
For Schedule 80, Add	17.48	
26 05 33 13-1530 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	104.86	32.00
For Schedule 80, Add	20.70	
26 05 33 13-1531 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	118.69	36.37
For Schedule 80, Add	23.36	
26 05 33 13-1532 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	141.59	40.00
For Schedule 80, Add	29.56	
26 05 33 13-1533 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	186.58	50.18
For Schedule 80, Add	40.21	
26 05 33 13-1534 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	243.26	68.36
For Schedule 80, Add	50.96	
26 05 33 13-1535 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	293.83	77.09
For Schedule 80, Add	64.30	
26 05 33 13-1536 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow.....	350.50	100.36
For Schedule 80, Add	72.49	
26 05 33 13-1537 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow <small>(26 05 33 13-1488)</small>		
26 05 33 13-1538 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	95.70	27.63
For Schedule 80, Add	19.68	
26 05 33 13-1539 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	119.96	32.00
For Schedule 80, Add	25.99	
26 05 33 13-1540 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	140.30	36.37
For Schedule 80, Add	30.93	
26 05 33 13-1541 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	152.29	40.00
For Schedule 80, Add	33.30	
26 05 33 13-1542 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	219.54	50.18
For Schedule 80, Add	51.75	
26 05 33 13-1543 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	291.20	68.36
For Schedule 80, Add	67.74	
26 05 33 13-1544 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	323.34	77.09
For Schedule 80, Add	74.62	
26 05 33 13-1545 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow.....	386.23	100.36
For Schedule 80, Add	85.00	
26 05 33 13-1546 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow <small>(26 05 33 13-1488)</small>		
26 05 33 13-1547 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	112.61	27.63
For Schedule 80, Add	25.60	
26 05 33 13-1548 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	127.04	32.00
For Schedule 80, Add	28.46	
26 05 33 13-1549 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	144.46	36.37
For Schedule 80, Add	32.38	
26 05 33 13-1550 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	172.46	40.00
For Schedule 80, Add	40.36	
26 05 33 13-1551 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	231.83	50.18
For Schedule 80, Add	56.05	
26 05 33 13-1552 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	301.51	68.36
For Schedule 80, Add	71.35	
26 05 33 13-1553 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	362.63	77.09
For Schedule 80, Add	88.38	
26 05 33 13-1554 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow.....	421.51	100.36
For Schedule 80, Add	97.35	
26 05 33 13-1555 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow <small>(26 05 33 13-1488)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1556 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	116.07	27.63
<i>For Schedule 80, Add</i>	26.81	
26 05 33 13-1557 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	148.01	32.00
<i>For Schedule 80, Add</i>	35.80	
26 05 33 13-1558 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	161.09	36.37
<i>For Schedule 80, Add</i>	38.20	
26 05 33 13-1559 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	173.21	40.00
<i>For Schedule 80, Add</i>	40.62	
26 05 33 13-1560 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	258.87	50.18
<i>For Schedule 80, Add</i>	65.51	
26 05 33 13-1561 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	362.12	68.36
<i>For Schedule 80, Add</i>	92.56	
26 05 33 13-1562 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	417.83	77.09
<i>For Schedule 80, Add</i>	107.70	
26 05 33 13-1563 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	486.88	100.36
<i>For Schedule 80, Add</i>	120.23	
26 05 33 13-1564 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	778.62	163.36
<i>For Schedule 80, Add</i>	190.70	
26 05 33 13-1565 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,139.05	246.15
<i>For Schedule 80, Add</i>	275.76	
26 05 33 13-1566 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow <small>(26 05 33 13-1488)</small>		
26 05 33 13-1567 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	129.33	27.63
<i>For Schedule 80, Add</i>	31.45	
26 05 33 13-1568 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	151.56	32.00
<i>For Schedule 80, Add</i>	37.05	
26 05 33 13-1569 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	171.76	36.37
<i>For Schedule 80, Add</i>	41.94	
26 05 33 13-1570 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	210.07	40.00
<i>For Schedule 80, Add</i>	53.52	
26 05 33 13-1571 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	285.28	50.18
<i>For Schedule 80, Add</i>	74.76	
26 05 33 13-1572 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	405.47	68.36
<i>For Schedule 80, Add</i>	107.73	
26 05 33 13-1573 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	459.28	77.09
<i>For Schedule 80, Add</i>	122.20	
26 05 33 13-1574 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	558.82	100.36
<i>For Schedule 80, Add</i>	145.40	
26 05 33 13-1575 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	820.71	163.36
<i>For Schedule 80, Add</i>	205.43	
26 05 33 13-1576 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,173.14	246.15
<i>For Schedule 80, Add</i>	287.69	
26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters <small>(26 05 33 13-1488)</small>		
26 05 33 13-1578 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	15.30	5.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.39	
26 05 33 13-1579 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	17.63	6.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33 13-1580 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter	20.07	7.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1581 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	22.61	8.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	
26 05 33 13-1582 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	28.01	10.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 33 13-1583 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter	34.02	12.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.41	
26 05 33 13-1584 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	46.71	16.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.55	
26 05 33 13-1585 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter	58.92	20.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.69	
26 05 33 13-1586 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	76.38	27.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.39	
26 05 33 13-1587 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter	92.47	33.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.10	
26 05 33 13-1588 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter	122.35	41.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.37	
26 05 33 13-1589 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter	152.18	52.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.22	
26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1488)</small>		
26 05 33 13-1591 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.94	5.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 33 13-1592 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	20.41	5.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.39	
26 05 33 13-1593 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.92	6.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33 13-1594 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	27.33	7.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1595 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	30.46	8.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.27	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.61 7.22	9.62
26 05 33	13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.96 8.16	10.88
26 05 33	13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.35 9.41	12.55
26 05 33	13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.93 10.98	14.64
26 05 33	13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.57 12.55	16.73
26 05 33	13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.78 14.12	18.83
26 05 33	13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.40 15.69	20.91
26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1488)</small>					
26 05 33	13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.64 4.83	
26 05 33	13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.19 5.79	
26 05 33	13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.51 6.43	
26 05 33	13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.29 7.16	
26 05 33	13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.78 7.85	10.46
26 05 33	13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.70 9.41	12.55
26 05 33	13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.08 12.55	16.73
26 05 33	13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04 15.69	20.91
26 05 33	13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.26 20.39	27.19
26 05 33	13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.31 25.10	33.47
26 05 33	13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.07 31.37	41.84
26 05 33	13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.44 39.22	52.29
26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <small>(26 05 33 13-1488)</small>					
26 05 33	13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.00 12.55	16.73
26 05 33	13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.78 14.12	18.83
26 05 33	13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.94 15.69	20.91
26 05 33	13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.53 18.83	25.10
26 05 33	13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.58 23.53	31.37
26 05 33	13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.73 28.24	37.65
26 05 33	13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.83 31.37	41.84
26 05 33	13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.04 34.52	46.02
26 05 33	13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	245.44 39.22	52.29
26 05 33	13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.86 45.50	60.66
26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <small>(26 05 33 13-1488)</small>					
26 05 33	13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.14 16.78	22.37
26 05 33	13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.83 18.46	24.61
26 05 33	13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.65 20.14	26.85
26 05 33	13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.30 23.50	31.33
26 05 33	13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.52 28.53	38.04
26 05 33	13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.66 33.56	44.76



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1634	Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1488)</small>			
26 05 33 13-1635	EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		104.90	20.91
26 05 33 13-1636	EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		116.69	25.10
26 05 33 13-1637	EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		129.27	29.29
26 05 33 13-1638	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		141.08	33.47
26 05 33 13-1639	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		152.54	37.65
26 05 33 13-1640	EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		166.55	41.84
26 05 33 13-1641	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		204.05	48.10
26 05 33 13-1642	EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		244.68	54.38
26 05 33 13-1643	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		286.46	62.75
26 05 33 13-1644	EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		340.90	73.21
26 05 33 13-1645	EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		451.48	87.85
26 05 33 13-1646	EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....		593.86	112.95
26 05 33 13-1647	Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1488)</small>			
26 05 33 13-1648	EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....		13.22	4.18
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.14	
26 05 33 13-1649	EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....		15.63	5.02
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.77	
26 05 33 13-1650	EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....		17.97	5.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.39	
26 05 33 13-1651	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....		21.52	6.70
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.02	
26 05 33 13-1652	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....		25.13	7.53
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.65	
26 05 33 13-1653	EA 2" Polyvinyl Chloride (PVC) Conduit End Cap.....		29.71	8.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.27	
26 05 33 13-1654	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....		42.69	9.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.22	
26 05 33 13-1655	EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....		46.72	10.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.16	
26 05 33 13-1656	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....		59.92	12.13
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.10	
26 05 33 13-1657	EA 4" Polyvinyl Chloride (PVC) Conduit End Cap.....		72.70	12.96
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.73	
26 05 33 13-1658	EA 5" Polyvinyl Chloride (PVC) Conduit End Cap.....		84.58	14.64
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.98	
26 05 33 13-1659	EA 6" Polyvinyl Chloride (PVC) Conduit End Cap.....		107.22	16.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.55	
26 05 33 13-1660	Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1488)</small>			
26 05 33 13-1661	EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....		131.85	37.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		28.24	
26 05 33 13-1662	EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121).....		138.93	25.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		18.83	
26 05 33 13-1663	EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....		338.12	41.84
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		31.37	
26 05 33 13-1664	EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....		659.80	60.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		45.50	
26 05 33 13-1665	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0059)</small>			
	Note: Exposed installation. Excludes supporting strap, hanger and fastening.			
26 05 33 13-1666	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1665)</small>			
	Note: Includes field bending conduit up to and including 1".			
26 05 33 13-1667	LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		10.17	1.71
26 05 33 13-1668	LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		11.33	1.88
26 05 33 13-1669	LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		12.51	2.18
26 05 33 13-1670	LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		13.68	2.51
26 05 33 13-1671	LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		15.32	2.93
26 05 33 13-1672	LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		16.59	3.35
26 05 33 13-1673	LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		19.78	3.97
26 05 33 13-1674	LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		23.31	4.60
26 05 33 13-1675	LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		26.88	5.43
26 05 33 13-1676	LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		31.49	6.70
26 05 33 13-1677	LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		41.97	9.41
26 05 33 13-1678	LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....		54.43	12.55
26 05 33 13-1679	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>			
26 05 33 13-1680	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		129.86	8.37
	<i>For 24" Radius, Add</i>		9.22	
	<i>For 36" Radius, Add</i>		12.99	
	<i>For 48" Radius, Add</i>		16.76	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	144.99	9.20
		<i>For 24" Radius, Add</i>	10.30	
		<i>For 36" Radius, Add</i>	14.50	
		<i>For 48" Radius, Add</i>	18.70	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	149.37	10.46
		<i>For 24" Radius, Add</i>	10.55	
		<i>For 36" Radius, Add</i>	14.94	
		<i>For 48" Radius, Add</i>	19.33	
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	157.89	13.38
		<i>For 24" Radius, Add</i>	11.01	
		<i>For 36" Radius, Add</i>	15.79	
		<i>For 48" Radius, Add</i>	20.57	
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	167.50	16.73
		<i>For 24" Radius, Add</i>	11.52	
		<i>For 36" Radius, Add</i>	16.75	
		<i>For 48" Radius, Add</i>	21.98	
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	195.28	20.91
		<i>For 24" Radius, Add</i>	13.34	
		<i>For 36" Radius, Add</i>	19.53	
		<i>For 48" Radius, Add</i>	25.72	
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	233.89	25.10
		<i>For 24" Radius, Add</i>	15.97	
		<i>For 36" Radius, Add</i>	23.39	
		<i>For 48" Radius, Add</i>	30.81	
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	278.58	29.29
		<i>For 24" Radius, Add</i>	19.06	
		<i>For 36" Radius, Add</i>	27.86	
		<i>For 48" Radius, Add</i>	36.65	
26 05 33 13-1688	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	319.94	35.56
		<i>For 24" Radius, Add</i>	21.77	
		<i>For 36" Radius, Add</i>	31.99	
		<i>For 48" Radius, Add</i>	42.22	
26 05 33 13-1689	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	361.29	41.84
		<i>For 24" Radius, Add</i>	24.48	
		<i>For 36" Radius, Add</i>	36.13	
		<i>For 48" Radius, Add</i>	47.78	
26 05 33 13-1690	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	451.62	52.29
		<i>For 24" Radius, Add</i>	30.60	
		<i>For 36" Radius, Add</i>	45.16	
		<i>For 48" Radius, Add</i>	59.72	
26 05 33 13-1691	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	557.98	62.75
		<i>For 24" Radius, Add</i>	37.93	
		<i>For 36" Radius, Add</i>	55.80	
		<i>For 48" Radius, Add</i>	73.67	
26 05 33 13-1692		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>		
26 05 33 13-1693	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	110.25	8.37
		<i>For 24" Radius, Add</i>	7.75	
		<i>For 36" Radius, Add</i>	11.03	
		<i>For 48" Radius, Add</i>	14.30	
26 05 33 13-1694	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	123.03	9.20
		<i>For 24" Radius, Add</i>	8.65	
		<i>For 36" Radius, Add</i>	12.30	
		<i>For 48" Radius, Add</i>	15.95	
26 05 33 13-1695	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	127.19	10.46
		<i>For 24" Radius, Add</i>	8.89	
		<i>For 36" Radius, Add</i>	12.72	
		<i>For 48" Radius, Add</i>	16.55	
26 05 33 13-1696	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	135.50	13.38
		<i>For 24" Radius, Add</i>	9.33	
		<i>For 36" Radius, Add</i>	13.55	
		<i>For 48" Radius, Add</i>	17.77	
26 05 33 13-1697	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	144.88	16.73
		<i>For 24" Radius, Add</i>	9.82	
		<i>For 36" Radius, Add</i>	14.49	
		<i>For 48" Radius, Add</i>	19.16	
26 05 33 13-1698	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	169.54	20.91
		<i>For 24" Radius, Add</i>	11.41	
		<i>For 36" Radius, Add</i>	16.95	
		<i>For 48" Radius, Add</i>	22.50	
26 05 33 13-1699	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	203.09	25.10
		<i>For 24" Radius, Add</i>	13.66	
		<i>For 36" Radius, Add</i>	20.31	
		<i>For 48" Radius, Add</i>	26.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1700 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	241.61	29.29
<i>For 24" Radius, Add</i>	16.29	
<i>For 36" Radius, Add</i>	24.16	
<i>For 48" Radius, Add</i>	32.03	
26 05 33 13-1701 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	278.35	35.56
<i>For 24" Radius, Add</i>	18.65	
<i>For 36" Radius, Add</i>	27.84	
<i>For 48" Radius, Add</i>	37.02	
26 05 33 13-1702 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	315.08	41.84
<i>For 24" Radius, Add</i>	21.02	
<i>For 36" Radius, Add</i>	31.51	
<i>For 48" Radius, Add</i>	42.00	
26 05 33 13-1703 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	393.86	52.29
<i>For 24" Radius, Add</i>	26.27	
<i>For 36" Radius, Add</i>	39.39	
<i>For 48" Radius, Add</i>	52.50	
26 05 33 13-1704 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	485.78	62.75
<i>For 24" Radius, Add</i>	32.51	
<i>For 36" Radius, Add</i>	48.58	
<i>For 48" Radius, Add</i>	64.64	
26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>		
26 05 33 13-1706 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	102.72	7.53
<i>For 24" Radius, Add</i>	7.23	
<i>For 36" Radius, Add</i>	10.27	
<i>For 48" Radius, Add</i>	13.31	
26 05 33 13-1707 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	114.62	8.28
<i>For 24" Radius, Add</i>	8.08	
<i>For 36" Radius, Add</i>	11.46	
<i>For 48" Radius, Add</i>	14.85	
26 05 33 13-1708 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	118.41	9.41
<i>For 24" Radius, Add</i>	8.29	
<i>For 36" Radius, Add</i>	11.84	
<i>For 48" Radius, Add</i>	15.39	
26 05 33 13-1709 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	125.92	12.05
<i>For 24" Radius, Add</i>	8.69	
<i>For 36" Radius, Add</i>	12.59	
<i>For 48" Radius, Add</i>	16.49	
26 05 33 13-1710 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	134.41	15.06
<i>For 24" Radius, Add</i>	9.14	
<i>For 36" Radius, Add</i>	13.44	
<i>For 48" Radius, Add</i>	17.74	
26 05 33 13-1711 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	157.16	18.83
<i>For 24" Radius, Add</i>	10.61	
<i>For 36" Radius, Add</i>	15.72	
<i>For 48" Radius, Add</i>	20.82	
26 05 33 13-1712 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	188.26	22.59
<i>For 24" Radius, Add</i>	12.71	
<i>For 36" Radius, Add</i>	18.83	
<i>For 48" Radius, Add</i>	24.94	
26 05 33 13-1713 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	224.02	26.36
<i>For 24" Radius, Add</i>	15.15	
<i>For 36" Radius, Add</i>	22.40	
<i>For 48" Radius, Add</i>	29.65	
26 05 33 13-1714 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	257.91	32.00
<i>For 24" Radius, Add</i>	17.34	
<i>For 36" Radius, Add</i>	25.79	
<i>For 48" Radius, Add</i>	34.24	
26 05 33 13-1715 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	291.79	37.65
<i>For 24" Radius, Add</i>	19.53	
<i>For 36" Radius, Add</i>	29.18	
<i>For 48" Radius, Add</i>	38.83	
26 05 33 13-1716 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	364.74	47.06
<i>For 24" Radius, Add</i>	24.41	
<i>For 36" Radius, Add</i>	36.47	
<i>For 48" Radius, Add</i>	48.53	
26 05 33 13-1717 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	450.04	56.48
<i>For 24" Radius, Add</i>	30.22	
<i>For 36" Radius, Add</i>	45.00	
<i>For 48" Radius, Add</i>	59.78	
26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1665)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	97.28	7.53
			For 24" Radius, Add	6.83	
			For 36" Radius, Add	9.73	
			For 48" Radius, Add	12.63	
26 05 33	13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	108.53	8.28
			For 24" Radius, Add	7.62	
			For 36" Radius, Add	10.85	
			For 48" Radius, Add	14.08	
26 05 33	13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	112.25	9.41
			For 24" Radius, Add	7.83	
			For 36" Radius, Add	11.23	
			For 48" Radius, Add	14.62	
26 05 33	13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	119.70	12.05
			For 24" Radius, Add	8.22	
			For 36" Radius, Add	11.97	
			For 48" Radius, Add	15.72	
26 05 33	13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	128.12	15.06
			For 24" Radius, Add	8.67	
			For 36" Radius, Add	12.81	
			For 48" Radius, Add	16.96	
26 05 33	13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	150.01	18.83
			For 24" Radius, Add	10.07	
			For 36" Radius, Add	15.00	
			For 48" Radius, Add	19.93	
26 05 33	13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	179.70	22.59
			For 24" Radius, Add	12.07	
			For 36" Radius, Add	17.97	
			For 48" Radius, Add	23.87	
26 05 33	13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	213.76	26.36
			For 24" Radius, Add	14.38	
			For 36" Radius, Add	21.38	
			For 48" Radius, Add	28.37	
26 05 33	13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	246.36	32.00
			For 24" Radius, Add	16.48	
			For 36" Radius, Add	24.64	
			For 48" Radius, Add	32.80	
26 05 33	13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	278.95	37.65
			For 24" Radius, Add	18.57	
			For 36" Radius, Add	27.90	
			For 48" Radius, Add	37.22	
26 05 33	13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	348.69	47.06
			For 24" Radius, Add	23.21	
			For 36" Radius, Add	34.87	
			For 48" Radius, Add	46.53	
26 05 33	13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	429.98	56.48
			For 24" Radius, Add	28.72	
			For 36" Radius, Add	43.00	
			For 48" Radius, Add	57.28	
26 05 33	13-1731		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1665)</small>		
26 05 33	13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	59.75	5.86
26 05 33	13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	67.00	6.70
26 05 33	13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	69.62	7.53
26 05 33	13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	72.12	8.37
26 05 33	13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	78.39	10.46
26 05 33	13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	93.58	12.55
26 05 33	13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	116.71	16.73
26 05 33	13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	142.14	20.91
26 05 33	13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	169.05	27.19
26 05 33	13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	195.98	33.47
26 05 33	13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	244.96	41.84
26 05 33	13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	306.15	52.29
26 05 33	13-1744		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1665)</small>		
26 05 33	13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	40.09	5.86
26 05 33	13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	45.01	6.70
26 05 33	13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	47.41	7.53
26 05 33	13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	49.79	8.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 05 33 13-1749 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	55.33	10.46
				26 05 33 13-1750 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	60.72	12.55
				26 05 33 13-1751 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	77.05	16.73
				26 05 33 13-1752 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	94.56	20.91
				26 05 33 13-1753 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	115.53	27.19
				26 05 33 13-1754 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	136.51	33.47
				26 05 33 13-1755 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	170.68	41.84
				26 05 33 13-1756 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	213.30	52.29
26 05 33 13-1757				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1665)</small>		
				26 05 33 13-1758 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	46.28	4.81
				26 05 33 13-1759 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	51.90	6.70
				26 05 33 13-1760 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	54.38	7.53
				26 05 33 13-1761 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	56.68	8.37
				26 05 33 13-1762 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	62.73	10.46
				26 05 33 13-1763 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	74.93	12.55
				26 05 33 13-1764 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	94.08	16.73
				26 05 33 13-1765 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	114.97	20.91
				26 05 33 13-1766 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	138.48	27.19
				26 05 33 13-1767 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	162.01	33.47
				26 05 33 13-1768 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	202.47	41.84
				26 05 33 13-1769 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	253.14	52.29
26 05 33 13-1770				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1665)</small>		
				26 05 33 13-1771 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	87.16	20.91
				26 05 33 13-1772 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	101.43	25.10
				26 05 33 13-1773 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	112.32	29.29
				26 05 33 13-1774 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	123.03	33.47
				26 05 33 13-1775 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	134.38	37.65
				26 05 33 13-1776 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	152.50	41.84
				26 05 33 13-1777 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	177.78	48.10
				26 05 33 13-1778 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	204.97	54.38
				26 05 33 13-1779 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	234.50	62.75
				26 05 33 13-1780 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	269.28	73.21
				26 05 33 13-1781 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	316.99	83.67
				26 05 33 13-1782 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	370.09	94.12
26 05 33 13-1783				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1665)</small>		
				26 05 33 13-1784 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	101.32	20.91
				26 05 33 13-1785 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	117.30	25.10
				26 05 33 13-1786 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	128.28	29.29
				26 05 33 13-1787 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	139.16	33.47
				26 05 33 13-1788 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	150.64	37.65
				26 05 33 13-1789 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	171.07	41.84
				26 05 33 13-1790 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	200.06	48.10
				26 05 33 13-1791 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	231.71	54.38
				26 05 33 13-1792 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	264.60	62.75
				26 05 33 13-1793 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	302.73	73.21
				26 05 33 13-1794 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	358.92	83.67
				26 05 33 13-1795 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	422.50	94.12
26 05 33 13-1796				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-1665)</small>		
				26 05 33 13-1797 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	131.22	5.86
				26 05 33 13-1798 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	146.24	6.70
				26 05 33 13-1799 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	152.32	7.53
				26 05 33 13-1800 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	158.55	8.37
				26 05 33 13-1801 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	165.93	10.46
				26 05 33 13-1802 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	184.45	12.55
				26 05 33 13-1803 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	225.56	16.73
				26 05 33 13-1804 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	272.63	20.91
				26 05 33 13-1805 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	315.87	27.19
				26 05 33 13-1806 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	359.12	33.47
				26 05 33 13-1807 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	449.00	41.84
				26 05 33 13-1808 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	558.58	52.29
26 05 33 13-1809				Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1665)</small>		
				26 05 33 13-1810 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	125.94	20.91
				26 05 33 13-1811 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	144.60	25.10
				26 05 33 13-1812 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	174.32	29.29
				26 05 33 13-1813 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	219.99	33.47

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	281.00	37.65
26 05 33	13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	381.54	41.84
26 05 33	13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	556.09	48.10
26 05 33	13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	676.37	54.38
26 05 33	13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	821.49	62.75
26 05 33	13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	971.85	73.21
26 05 33	13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	1,146.17	83.67
26 05 33	13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	1,826.04	94.12
26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <small>(26 05 33 13-1822)</small>					
26 05 33	13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	107.04	16.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.55	
26 05 33	13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	124.81	18.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.12	
26 05 33	13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	170.83	20.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.69	
26 05 33	13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	209.18	25.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.83	
26 05 33	13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	266.71	31.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.53	
26 05 33	13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	373.04	37.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.24	
26 05 33	13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	632.79	43.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.94	
26 05 33	13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	822.81	50.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.65	
26 05 33	13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	991.90	58.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.93	
26 05 33	13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,160.99	66.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.20	
26 05 33	13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,373.67	75.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.48	
26 05 33	13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,560.20	83.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.75	
26 05 33 13-1835 Explosion Proof Conduit Fittings <small>(26 05 33 13-0059)</small>					
			Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1835)</small>					
26 05 33	13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union.....	41.43	9.33
26 05 33	13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union.....	50.71	10.31
26 05 33	13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union.....	79.62	13.75
26 05 33	13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union.....	104.46	15.22
26 05 33	13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union.....	131.29	18.66
26 05 33	13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union.....	163.04	21.60
26 05 33	13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union.....	247.42	30.85
26 05 33	13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union.....	313.68	36.73
26 05 33	13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union.....	521.21	44.08
26 05 33	13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union.....	555.83	56.32
26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies <small>(26 05 33 13-1835)</small>					
26 05 33	13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	145.61	29.46
26 05 33	13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	164.18	33.39
26 05 33	13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	191.56	36.82
26 05 33	13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	165.38	36.82
26 05 33	13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	197.14	44.19
26 05 33	13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	232.76	50.57
26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-1835)</small>					
			Note: Includes sealing gasket and lock nut.		
26 05 33	13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	120.48	24.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41	
26 05 33	13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	123.85	27.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1857 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.17 22.46	29.95
26 05 33 13-1858 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.22 27.62	36.82
26 05 33 13-1859 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.00 32.40	43.21
26 05 33 13-1860 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.83 36.82	49.10
26 05 33 13-1861 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	400.76 55.10	73.47
26 05 33 13-1862 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	506.32 69.06	92.08
26 05 33 13-1863 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	706.61 76.04	101.38
26 05 33 13-1864 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	905.66 82.65	110.20
26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1835)</small>		
26 05 33 13-1866 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	306.79	11.29
26 05 33 13-1867 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	400.80	12.76
26 05 33 13-1868 Conduit Installed Below Grade <small>(26 05 33 13-0058)</small>		
<small>Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.</small>		
26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1868)</small>		
26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial <small>(26 05 33 13-1869)</small>		
<small>Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".</small>		
26 05 33 13-1871 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.43 0.43 0.70	
26 05 33 13-1872 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.04 0.53 0.85	
26 05 33 13-1873 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.99 0.71 1.12	
26 05 33 13-1874 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.94 0.90 1.38	
26 05 33 13-1875 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.75 1.05 1.60	
26 05 33 13-1876 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.06 1.33 2.00	
26 05 33 13-1877 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.92 1.99 2.93	
26 05 33 13-1878 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	13.52 2.33 3.42	
26 05 33 13-1879 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	16.09 2.92 4.26	
26 05 33 13-1880 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.39 3.20 4.65	
26 05 33 13-1881 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	22.99 4.54 6.54	
26 05 33 13-1882 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	28.69 5.92 8.47	
26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1869)</small>		
<small>See CSI section 26 05 33 13-2329 for conduit field bending.</small>		
26 05 33 13-1884 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	27.59 1.67 3.12	
26 05 33 13-1885 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	33.09 2.00 3.74	
26 05 33 13-1886 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	39.30 2.51 4.61	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1887 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.73	
For Schedule 60, Add	3.06	
For Schedule 80, Add	5.55	
26 05 33 13-1888 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	52.34	
For Schedule 60, Add	3.67	
For Schedule 80, Add	6.55	
26 05 33 13-1889 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	59.59	
For Schedule 60, Add	4.44	
For Schedule 80, Add	7.78	
26 05 33 13-1890 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	70.42	
For Schedule 60, Add	6.10	
For Schedule 80, Add	10.27	
26 05 33 13-1891 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	83.82	
For Schedule 60, Add	8.41	
For Schedule 80, Add	13.65	
26 05 33 13-1892 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	102.50	
For Schedule 60, Add	10.98	
For Schedule 80, Add	17.57	
26 05 33 13-1893 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	121.35	
For Schedule 60, Add	13.60	
For Schedule 80, Add	21.56	
26 05 33 13-1894 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	160.56	
For Schedule 60, Add	21.32	
For Schedule 80, Add	32.67	
26 05 33 13-1895 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	189.28	
For Schedule 60, Add	26.40	
For Schedule 80, Add	40.10	
26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial		
(26 05 33 13-1869)		
See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1897 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	27.59	
For Schedule 60, Add	1.67	
For Schedule 80, Add	3.12	
26 05 33 13-1898 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	32.99	
For Schedule 60, Add	1.97	
For Schedule 80, Add	3.70	
26 05 33 13-1899 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	39.15	
For Schedule 60, Add	2.47	
For Schedule 80, Add	4.55	
26 05 33 13-1900 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	45.31	
For Schedule 60, Add	2.96	
For Schedule 80, Add	5.40	
26 05 33 13-1901 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	51.40	
For Schedule 60, Add	3.44	
For Schedule 80, Add	6.23	
26 05 33 13-1902 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	59.09	
For Schedule 60, Add	4.31	
For Schedule 80, Add	7.61	
26 05 33 13-1903 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	69.48	
For Schedule 60, Add	5.87	
For Schedule 80, Add	9.94	
26 05 33 13-1904 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	82.63	
For Schedule 60, Add	8.11	
For Schedule 80, Add	13.23	
26 05 33 13-1905 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	99.17	
For Schedule 60, Add	10.15	
For Schedule 80, Add	16.41	
26 05 33 13-1906 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	118.49	
For Schedule 60, Add	12.89	
For Schedule 80, Add	20.55	
26 05 33 13-1907 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	156.86	
For Schedule 60, Add	20.39	
For Schedule 80, Add	31.37	
26 05 33 13-1908 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	178.25	
For Schedule 60, Add	23.65	
For Schedule 80, Add	36.24	
26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial		
(26 05 33 13-1869)		
26 05 33 13-1910 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	15.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.39	
26 05 33 13-1911 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	17.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.02	
26 05 33 13-1912 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	20.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.65	
26 05 33 13-1913 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	22.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.27	
26 05 33 13-1914 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	24.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.90	
26 05 33 13-1915 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	27.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1916 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.10 8.47	
26 05 33 13-1917 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.00 9.41	
26 05 33 13-1918 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.01 10.98	
26 05 33 13-1919 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.64 12.55	
26 05 33 13-1920 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.83 14.12	
26 05 33 13-1921 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.74 15.69	
26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1869)</small>		
26 05 33 13-1923 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	17.94	
26 05 33 13-1924 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	20.41	
26 05 33 13-1925 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.92	
26 05 33 13-1926 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	29.41	
26 05 33 13-1927 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	32.56	
26 05 33 13-1928 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	36.61	
26 05 33 13-1929 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	40.96	
26 05 33 13-1930 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	46.35	
26 05 33 13-1931 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	54.93	
26 05 33 13-1932 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	60.57	
26 05 33 13-1933 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	76.78	
26 05 33 13-1934 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	86.40	
26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial <small>(26 05 33 13-1869)</small>		
26 05 33 13-1936 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	15.19	
26 05 33 13-1937 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	17.63	
26 05 33 13-1938 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	19.92	
26 05 33 13-1939 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	22.35	
26 05 33 13-1940 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	24.64	
26 05 33 13-1941 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	27.43	
26 05 33 13-1942 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	32.47	
26 05 33 13-1943 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	37.12	
26 05 33 13-1944 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	43.89	
26 05 33 13-1945 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	49.48	
26 05 33 13-1946 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	62.55	
26 05 33 13-1947 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	71.00	
26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1869)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1949)</small>		
Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-1950 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	11.83 -0.44 -0.73 -1.03	2.35
26 05 33 13-1951 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	13.29 -0.50 -0.83 -1.16	2.91
26 05 33 13-1952 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	16.35 -0.62 -1.03 -1.44	3.24
26 05 33 13-1953 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	19.75 -0.76 -1.26 -1.75	4.37
26 05 33 13-1954 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	23.19 -0.91 -1.49 -2.07	4.92
26 05 33 13-1955 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	29.41 -1.16 -1.90 -2.63	5.37
26 05 33 13-1956 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	42.71 -1.72 -2.78 -3.85	8.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1957 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	55.07	10.07
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.57	
For >1,000, Deduct	-4.95	
26 05 33 13-1958 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	67.98	10.63
For >250 To 500, Deduct	-2.70	
For >500 To 1,000, Deduct	-4.40	
For >1,000, Deduct	-6.10	
26 05 33 13-1959 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	80.73	11.74
For >250 To 500, Deduct	-3.20	
For >500 To 1,000, Deduct	-5.22	
For >1,000, Deduct	-7.23	
26 05 33 13-1960 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	126.09	16.22
For >250 To 500, Deduct	-5.24	
For >500 To 1,000, Deduct	-8.39	
For >1,000, Deduct	-11.55	
26 05 33 13-1961 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	168.23	21.26
For >250 To 500, Deduct	-7.07	
For >500 To 1,000, Deduct	-11.27	
For >1,000, Deduct	-15.48	
26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial (26 05 33 13-1948)		
26 05 33 13-1963 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	12.71	3.35
26 05 33 13-1964 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.22	4.48
26 05 33 13-1965 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	19.34	5.59
26 05 33 13-1966 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	21.82	6.15
26 05 33 13-1967 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	25.84	7.28
26 05 33 13-1968 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	33.32	8.39
26 05 33 13-1969 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	61.09	10.07
26 05 33 13-1970 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	77.71	13.98
26 05 33 13-1971 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	96.24	16.22
26 05 33 13-1972 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	119.36	22.37
26 05 33 13-1973 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	304.62	30.77
26 05 33 13-1974 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	306.22	17.35
26 05 33 13-1975 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial (26 05 33 13-1948)		
Note: 90, 45, or 30 degree.		
26 05 33 13-1976 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	48.99	13.98
26 05 33 13-1977 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	56.49	17.35
26 05 33 13-1978 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	67.53	21.26
26 05 33 13-1979 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	79.97	24.61
26 05 33 13-1980 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	93.71	27.98
26 05 33 13-1981 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	114.26	30.77
26 05 33 13-1982 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	176.52	38.61
26 05 33 13-1983 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	263.88	52.59
26 05 33 13-1984 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	326.84	59.30
26 05 33 13-1985 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	374.53	77.20
26 05 33 13-1986 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	782.23	125.87
26 05 33 13-1987 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,230.86	189.08
26 05 33 13-1988 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-1989 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	117.04	21.26
26 05 33 13-1990 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	131.66	24.61
26 05 33 13-1991 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	150.31	27.98
26 05 33 13-1992 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	179.56	30.77
26 05 33 13-1993 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	250.43	38.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1994				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial ^(26 05 33 13-1948)		
26 05 33 13-1995	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	130.44	21.26
26 05 33 13-1996	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	153.79	24.61
26 05 33 13-1997	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	166.17	27.98
26 05 33 13-1998	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	214.15	30.77
26 05 33 13-1999	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	283.79	38.61
26 05 33 13-2000	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	362.81	52.59
26 05 33 13-2001				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial ^(26 05 33 13-1948)		
26 05 33 13-2002	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	146.45	21.26
26 05 33 13-2003	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	165.31	24.61
26 05 33 13-2004	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	186.53	27.98
26 05 33 13-2005	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	225.63	30.77
26 05 33 13-2006	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	322.12	38.61
26 05 33 13-2007	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	407.81	52.59
26 05 33 13-2008	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	515.31	59.30
26 05 33 13-2009	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	579.86	77.20
26 05 33 13-2010				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial ^(26 05 33 13-1948)		
26 05 33 13-2011	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	174.10	21.26
26 05 33 13-2012	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	192.36	24.61
26 05 33 13-2013	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	217.24	27.98
26 05 33 13-2014	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	269.85	30.77
26 05 33 13-2015	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	390.73	38.61
26 05 33 13-2016	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	484.06	52.59
26 05 33 13-2017	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	561.86	59.30
26 05 33 13-2018	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	665.32	77.20
26 05 33 13-2019				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial ^(26 05 33 13-1948)		
26 05 33 13-2020	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	195.62	21.26
26 05 33 13-2021	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	217.54	24.61
26 05 33 13-2022	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	247.47	27.98
26 05 33 13-2023	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	308.35	30.77
26 05 33 13-2024	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	428.16	38.61
26 05 33 13-2025	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	545.05	52.59
26 05 33 13-2026	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	675.06	59.30
26 05 33 13-2027	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	743.78	77.20
26 05 33 13-2028	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,240.24	125.87
26 05 33 13-2029				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial ^(26 05 33 13-1948)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2030 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	223.76	21.26
26 05 33 13-2031 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	247.96	24.61
26 05 33 13-2032 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	280.60	27.98
26 05 33 13-2033 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	351.05	30.77
26 05 33 13-2034 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	490.53	38.61
26 05 33 13-2035 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	622.75	52.59
26 05 33 13-2036 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	731.77	59.30
26 05 33 13-2037 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	845.06	77.20
26 05 33 13-2038 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,311.22	125.87
26 05 33 13-2039 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,791.74	189.08
26 05 33 13-2040 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2041 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	262.94	21.26
26 05 33 13-2042 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	275.08	24.61
26 05 33 13-2043 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	324.95	27.98
26 05 33 13-2044 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	410.48	30.77
26 05 33 13-2045 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	574.63	38.61
26 05 33 13-2046 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	727.50	52.59
26 05 33 13-2047 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	889.46	59.30
26 05 33 13-2048 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,042.09	77.20
26 05 33 13-2049 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,542.75	125.87
26 05 33 13-2050 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,898.02	189.08
26 05 33 13-2051 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2052 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	272.38	21.26
26 05 33 13-2053 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	320.96	24.61
26 05 33 13-2054 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	363.30	27.98
26 05 33 13-2055 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	428.36	30.77
26 05 33 13-2056 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	595.64	38.61
26 05 33 13-2057 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	759.72	52.59
26 05 33 13-2058 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	975.34	59.30
26 05 33 13-2059 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,086.78	77.20
26 05 33 13-2060 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,604.95	125.87
26 05 33 13-2061 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,952.02	189.08
26 05 33 13-2062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	90.59	13.98
26 05 33 13-2064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	98.43	17.35
26 05 33 13-2065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	127.99	21.26
26 05 33 13-2066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	186.78	24.61
26 05 33 13-2067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	221.85	27.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2068 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	282.64	30.77
26 05 33 13-2069 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	376.53	38.61
26 05 33 13-2070 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	489.87	38.61
26 05 33 13-2071 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	630.49	59.30
26 05 33 13-2072 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	811.68	77.20
26 05 33 13-2073 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,480.28	125.87
26 05 33 13-2074 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,841.35	189.08
26 05 33 13-2075 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2076 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	92.70	13.98
26 05 33 13-2077 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	106.49	17.35
26 05 33 13-2078 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	132.28	21.26
26 05 33 13-2079 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	194.66	24.61
26 05 33 13-2080 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	232.79	27.98
26 05 33 13-2081 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	306.27	30.77
26 05 33 13-2082 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	427.09	38.61
26 05 33 13-2083 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	541.28	38.61
26 05 33 13-2084 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	723.43	59.30
26 05 33 13-2085 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	904.27	77.20
26 05 33 13-2086 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,650.02	125.87
26 05 33 13-2087 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,115.43	189.08
26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1948)</small>		
26 05 33 13-2089 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	31.19	6.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33 13-2090 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.88	8.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2091 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.35	10.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-2092 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.09	12.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-2093 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.23	13.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-2094 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.58	7.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-2095 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.30	8.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2096 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.80	10.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-2097 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.69	12.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-2098 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.03	13.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-2099 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	59.59	15.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33 13-2100 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.75	7.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2101 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.47	8.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2102 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.12	10.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-2103 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.03	12.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-2104 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.36	13.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-2105 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.47	15.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-2106 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.05	7.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-2107 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.78	8.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2108 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.59	10.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-2109 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.44	12.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-2110 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.91	13.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-2111 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.18	15.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-2112 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	88.60	19.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	
26 05 33 13-2113 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	114.44	26.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.77	
26 05 33 13-2114 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.22	7.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-2115 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.09	8.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2116 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.93	10.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-2117 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.84	12.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-2118 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.46	13.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-2119 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.90	15.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 33 13-2120 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.00	19.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.41	
26 05 33 13-2121 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.61	26.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.77	
26 05 33 13-2122 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	142.89	29.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.79	
26 05 33 13-2123 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	166.63	38.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.16	
26 05 33 13-2124 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.54	7.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.36	
26 05 33 13-2125 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.43	8.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2126 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.30	10.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-2127 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.50	12.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.38	
26 05 33 13-2128 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.14	13.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2129 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	67.38	15.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33 13-2130 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	100.56	19.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33 13-2131 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	127.35	26.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33 13-2132 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	144.54	29.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33 13-2133 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	171.05	38.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33 13-2134 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	252.27	53.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	
26 05 33 13-2135 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.14	7.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-2136 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.04	8.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2137 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.95	10.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-2138 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.71	12.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-2139 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	60.60	13.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-2140 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	68.86	15.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33 13-2141 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	110.26	19.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33 13-2142 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	137.63	26.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33 13-2143 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	153.80	29.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33 13-2144 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	186.67	38.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33 13-2145 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	275.63	53.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	
26 05 33 13-2146 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.09	7.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-2147 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.96	8.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2148 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.41	10.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-2149 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.03	12.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-2150 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	63.56	13.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-2151 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	76.09	15.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33 13-2152 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	122.19	19.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33 13-2153 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	151.70	26.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33 13-2154 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	177.00	29.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33 13-2155 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	210.13	38.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33 13-2156 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	291.64	53.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2157 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.08	7.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-2158 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.93	8.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2159 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.84	10.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-2160 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	60.39	12.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-2161 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	70.59	13.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-2162 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	86.71	15.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33 13-2163 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	134.81	19.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33 13-2164 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	169.73	26.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33 13-2165 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	201.35	29.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33 13-2166 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	251.18	38.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33 13-2167 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	323.59	53.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	
26 05 33 13-2168 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.10	7.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.36	
26 05 33 13-2169 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.07	8.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2170 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.48	10.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-2171 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	67.57	12.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.38	
26 05 33 13-2172 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	79.11	13.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33 13-2173 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	95.25	15.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40	
26 05 33 13-2174 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	151.65	19.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
26 05 33 13-2175 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	196.75	26.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.77	
26 05 33 13-2176 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	216.30	29.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.79	
26 05 33 13-2177 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	263.77	38.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.16	
26 05 33 13-2178 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	328.15	53.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.88	
26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1868) Note: Direct burial or encased application.		
26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-2179) Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".		
26 05 33 13-2181 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.28	1.36
<i>For Work In Restricted Working Space, Add</i>	1.02	
26 05 33 13-2182 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.29	1.46
<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 33 13-2183 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.94	1.56
<i>For Work In Restricted Working Space, Add</i>	1.18	
26 05 33 13-2184 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.58	1.67
<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 33 13-2185 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	12.44	1.77
<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 33 13-2186 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	12.92	1.88
<i>For Work In Restricted Working Space, Add</i>	1.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2187 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	14.80 1.49	1.99
26 05 33 13-2188 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	17.04 1.57	2.10
26 05 33 13-2189 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	18.78 1.65	2.20
26 05 33 13-2190 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	20.51 1.73	2.30
26 05 33 13-2191 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	24.46 1.81	2.41
26 05 33 13-2192 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	29.34 1.88	2.51
26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2179)</small>		
26 05 33 13-2194 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	135.10 7.85 9.48 13.51 17.54	10.46
26 05 33 13-2195 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	153.35 9.41 10.72 15.34 19.95	12.55
26 05 33 13-2196 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	159.82 10.98 11.07 15.98 20.89	14.64
26 05 33 13-2197 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	166.26 12.55 11.42 16.63 21.83	16.73
26 05 33 13-2198 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	172.72 14.12 11.78 17.27 22.77	18.83
26 05 33 13-2199 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	195.28 15.69 13.34 19.53 25.72	20.91
26 05 33 13-2200 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	228.66 17.26 15.71 22.87 30.02	23.01
26 05 33 13-2201 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	268.12 18.83 18.54 26.81 35.08	25.10
26 05 33 13-2202 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	304.25 21.96 20.99 30.43 39.86	29.29
26 05 33 13-2203 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	340.38 25.10 23.44 34.04 44.64	37.65
26 05 33 13-2204 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	415.01 28.24 28.77 41.50 54.23	37.65

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33	13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	505.69	41.84
			<i>For Work In Restricted Working Space, Add</i>	31.37	
			<i>For 24" Radius, Add</i>	35.31	
			<i>For 36" Radius, Add</i>	50.57	
			<i>For 48" Radius, Add</i>	65.83	
26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-2179)					
26 05 33	13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	59.75	5.86
			<i>For Work In Restricted Working Space, Add</i>	4.39	
26 05 33	13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	67.00	6.70
			<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33	13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	69.62	7.53
			<i>For Work In Restricted Working Space, Add</i>	5.65	
26 05 33	13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	72.12	8.37
			<i>For Work In Restricted Working Space, Add</i>	6.27	
26 05 33	13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	75.25	9.20
			<i>For Work In Restricted Working Space, Add</i>	6.90	
26 05 33	13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	87.31	10.04
			<i>For Work In Restricted Working Space, Add</i>	7.53	
26 05 33	13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	103.10	11.30
			<i>For Work In Restricted Working Space, Add</i>	8.47	
26 05 33	13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	121.22	12.55
			<i>For Work In Restricted Working Space, Add</i>	9.41	
26 05 33	13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	137.68	14.64
			<i>For Work In Restricted Working Space, Add</i>	10.98	
26 05 33	13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	154.15	16.73
			<i>For Work In Restricted Working Space, Add</i>	12.55	
26 05 33	13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	187.44	18.83
			<i>For Work In Restricted Working Space, Add</i>	14.12	
26 05 33	13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	227.71	20.91
			<i>For Work In Restricted Working Space, Add</i>	15.69	
26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-2179)					
26 05 33	13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	40.09	5.86
			<i>For Work In Restricted Working Space, Add</i>	4.39	
26 05 33	13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	45.01	6.70
			<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33	13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	47.41	7.53
			<i>For Work In Restricted Working Space, Add</i>	5.65	
26 05 33	13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	49.79	8.37
			<i>For Work In Restricted Working Space, Add</i>	6.27	
26 05 33	13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	52.19	9.20
			<i>For Work In Restricted Working Space, Add</i>	6.90	
26 05 33	13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	54.45	10.04
			<i>For Work In Restricted Working Space, Add</i>	7.53	
26 05 33	13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	63.44	11.30
			<i>For Work In Restricted Working Space, Add</i>	8.47	
26 05 33	13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	73.64	12.55
			<i>For Work In Restricted Working Space, Add</i>	9.41	
26 05 33	13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	84.16	14.64
			<i>For Work In Restricted Working Space, Add</i>	10.98	
26 05 33	13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	94.68	16.73
			<i>For Work In Restricted Working Space, Add</i>	12.55	
26 05 33	13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	113.16	18.83
			<i>For Work In Restricted Working Space, Add</i>	14.12	
26 05 33	13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	134.86	20.91
			<i>For Work In Restricted Working Space, Add</i>	15.69	
26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-2179)					
26 05 33	13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	40.01	3.35
			<i>For Work In Restricted Working Space, Add</i>	2.51	
26 05 33	13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	44.58	3.77
			<i>For Work In Restricted Working Space, Add</i>	2.82	
26 05 33	13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	46.01	4.18
			<i>For Work In Restricted Working Space, Add</i>	3.14	
26 05 33	13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	47.27	4.60
			<i>For Work In Restricted Working Space, Add</i>	3.45	
26 05 33	13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	49.13	5.02
			<i>For Work In Restricted Working Space, Add</i>	3.77	
26 05 33	13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	58.20	5.86
			<i>For Work In Restricted Working Space, Add</i>	4.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2239 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	70.02	7.11
<i>For Work In Restricted Working Space, Add</i>	5.33	
26 05 33 13-2240 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	83.59	8.37
<i>For Work In Restricted Working Space, Add</i>	6.27	
26 05 33 13-2241 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	96.66	10.46
<i>For Work In Restricted Working Space, Add</i>	7.85	
26 05 33 13-2242 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	109.71	12.55
<i>For Work In Restricted Working Space, Add</i>	9.41	
26 05 33 13-2243 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	134.49	14.64
<i>For Work In Restricted Working Space, Add</i>	10.98	
26 05 33 13-2244 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	164.25	16.73
<i>For Work In Restricted Working Space, Add</i>	12.55	
26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints		
<small>(26 05 33 13-2179)</small>		
26 05 33 13-2246 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	87.16	20.91
<i>For Work In Restricted Working Space, Add</i>	15.69	
26 05 33 13-2247 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	101.43	25.10
<i>For Work In Restricted Working Space, Add</i>	18.83	
26 05 33 13-2248 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	112.32	29.29
<i>For Work In Restricted Working Space, Add</i>	21.96	
26 05 33 13-2249 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	123.03	33.47
<i>For Work In Restricted Working Space, Add</i>	25.10	
26 05 33 13-2250 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	129.16	35.56
<i>For Work In Restricted Working Space, Add</i>	26.67	
26 05 33 13-2251 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	142.04	37.65
<i>For Work In Restricted Working Space, Add</i>	28.24	
26 05 33 13-2252 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	156.87	39.74
<i>For Work In Restricted Working Space, Add</i>	29.81	
26 05 33 13-2253 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	173.59	41.84
<i>For Work In Restricted Working Space, Add</i>	31.37	
26 05 33 13-2254 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	187.44	43.92
<i>For Work In Restricted Working Space, Add</i>	32.94	
26 05 33 13-2255 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	201.31	46.02
<i>For Work In Restricted Working Space, Add</i>	34.52	
26 05 33 13-2256 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	228.09	48.10
<i>For Work In Restricted Working Space, Add</i>	36.08	
26 05 33 13-2257 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	260.28	50.20
<i>For Work In Restricted Working Space, Add</i>	37.65	
26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints		
<small>(26 05 33 13-2179)</small>		
26 05 33 13-2259 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	101.32	20.91
<i>For Work In Restricted Working Space, Add</i>	15.69	
26 05 33 13-2260 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	117.30	25.10
<i>For Work In Restricted Working Space, Add</i>	18.83	
26 05 33 13-2261 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	128.28	29.29
<i>For Work In Restricted Working Space, Add</i>	21.96	
26 05 33 13-2262 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	139.16	33.47
<i>For Work In Restricted Working Space, Add</i>	25.10	
26 05 33 13-2263 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	145.42	35.56
<i>For Work In Restricted Working Space, Add</i>	26.67	
26 05 33 13-2264 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	160.61	37.65
<i>For Work In Restricted Working Space, Add</i>	28.24	
26 05 33 13-2265 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	179.15	39.74
<i>For Work In Restricted Working Space, Add</i>	29.81	
26 05 33 13-2266 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	200.33	41.84
<i>For Work In Restricted Working Space, Add</i>	31.37	
26 05 33 13-2267 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	217.54	43.92
<i>For Work In Restricted Working Space, Add</i>	32.94	
26 05 33 13-2268 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	234.76	46.02
<i>For Work In Restricted Working Space, Add</i>	34.52	
26 05 33 13-2269 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	270.02	48.10
<i>For Work In Restricted Working Space, Add</i>	36.08	
26 05 33 13-2270 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	312.69	50.20
<i>For Work In Restricted Working Space, Add</i>	37.65	
26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters		
<small>(26 05 33 13-2179)</small>		
26 05 33 13-2272 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	131.22	5.86
<i>For Work In Restricted Working Space, Add</i>	4.39	
26 05 33 13-2273 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	146.24	6.70
<i>For Work In Restricted Working Space, Add</i>	5.02	
26 05 33 13-2274 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	152.32	7.53
<i>For Work In Restricted Working Space, Add</i>	5.65	
26 05 33 13-2275 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	158.55	8.37
<i>For Work In Restricted Working Space, Add</i>	6.27	
26 05 33 13-2276 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	162.79	9.20
<i>For Work In Restricted Working Space, Add</i>	6.90	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2277	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	178.18 7.53	10.04
26 05 33	13-2278	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	211.95 8.47	11.30
26 05 33	13-2279	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	251.71 9.41	12.55
26 05 33	13-2280	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	284.50 10.98	14.64
26 05 33	13-2281	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	317.29 12.55	16.73
26 05 33	13-2282	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	391.48 14.12	18.83
26 05 33	13-2283	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	480.14 15.69	20.91

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-2179)

26 05 33	13-2285	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	125.94 15.69	20.91
26 05 33	13-2286	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	144.60 18.83	25.10
26 05 33	13-2287	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	174.32 21.96	29.29
26 05 33	13-2288	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	219.99 25.10	33.47
26 05 33	13-2289	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	275.78 26.67	35.56
26 05 33	13-2290	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	371.08 28.24	37.65
26 05 33	13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	535.18 29.81	39.74
26 05 33	13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	644.99 31.37	41.84
26 05 33	13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	774.43 32.94	43.92
26 05 33	13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	903.88 34.52	46.02
26 05 33	13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	1,057.27 36.08	48.10
26 05 33	13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	1,716.23 37.65	50.20

26 05 33 13-2297 Spacers (26 05 33 13-1868)

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33	13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	11.27	
26 05 33	13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	12.09	
26 05 33	13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	13.38	
26 05 33	13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	14.37	
26 05 33	13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	13.52	
26 05 33	13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.46	
26 05 33	13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial.....	16.72	
26 05 33	13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.53	
26 05 33	13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	18.47	
26 05 33	13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	17.87	
26 05 33	13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	21.10	
26 05 33	13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	20.18	
26 05 33	13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	22.86	
26 05 33	13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	21.88	
26 05 33	13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial.....	23.58	
26 05 33	13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	22.49	
26 05 33	13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial.....	26.07	
26 05 33	13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	24.79	
26 05 33	13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial.....	29.60	
26 05 33	13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	28.50	

26 05 33 13-2318 Conduit Field Bending (26 05 33 13-0058)

Note: Conduit tasks by LF include field bending up to and include 1" conduit.



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2319 Metallic Conduit Field Bending (26 05 33 13-2318)
 Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA 1-1/4" Metallic Conduit Field Bending.....	20.12	
	<i>For Aluminum Conduit Bending, Add</i>	13.28	
26 05 33 13-2321	EA 1-1/2" Metallic Conduit Field Bending.....	25.14	
	<i>For Aluminum Conduit Bending, Add</i>	16.59	
26 05 33 13-2322	EA 2" Metallic Conduit Field Bending.....	31.42	
	<i>For Aluminum Conduit Bending, Add</i>	20.74	
26 05 33 13-2323	EA 2-1/2" Metallic Conduit Field Bending.....	44.00	
	<i>For Aluminum Conduit Bending, Add</i>	29.04	
26 05 33 13-2324	EA 3" Metallic Conduit Field Bending.....	56.57	
	<i>For Aluminum Conduit Bending, Add</i>	37.34	
26 05 33 13-2325	EA 3-1/2" Metallic Conduit Field Bending.....	75.42	
	<i>For Aluminum Conduit Bending, Add</i>	49.78	
26 05 33 13-2326	EA 4" Metallic Conduit Field Bending.....	87.99	
	<i>For Aluminum Conduit Bending, Add</i>	58.07	
26 05 33 13-2327	EA 5" Metallic Conduit Field Bending.....	100.57	
	<i>For Aluminum Conduit Bending, Add</i>	66.38	
26 05 33 13-2328	EA 6" Metallic Conduit Field Bending.....	119.42	
	<i>For Aluminum Conduit Bending, Add</i>	78.82	

26 05 33 13-2329 Plastic Conduit Field Bending (26 05 33 13-2318)
 Note: For PVC conduits.

26 05 33 13-2330	EA 1" Plastic Conduit Field Bending.....	28.91	
26 05 33 13-2331	EA 1-1/4" Plastic Conduit Field Bending.....	31.42	
26 05 33 13-2332	EA 1-1/2" Plastic Conduit Field Bending.....	37.71	
26 05 33 13-2333	EA 2" Plastic Conduit Field Bending.....	50.28	
26 05 33 13-2334	EA 2-1/2" Plastic Conduit Field Bending.....	62.85	
26 05 33 13-2335	EA 3" Plastic Conduit Field Bending.....	75.42	
26 05 33 13-2336	EA 3-1/2" Plastic Conduit Field Bending.....	87.99	
26 05 33 13-2337	EA 4" Plastic Conduit Field Bending.....	100.57	
26 05 33 13-2338	EA 5" Plastic Conduit Field Bending.....	113.13	
26 05 33 13-2339	EA 6" Plastic Conduit Field Bending.....	125.71	

26 05 33 13-2340 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0058)
 Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2341	EA 1/2", Cut And Thread Existing In-Place Threaded Conduit.....	36.82	
	<i>For Work In Restricted Working Space, Add</i>	11.05	
26 05 33 13-2342	EA 3/4", Cut And Thread Existing In-Place Threaded Conduit.....	40.50	
	<i>For Work In Restricted Working Space, Add</i>	12.15	
26 05 33 13-2343	EA 1", Cut And Thread Existing In-Place Threaded Conduit.....	44.19	
	<i>For Work In Restricted Working Space, Add</i>	13.26	
26 05 33 13-2344	EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	47.87	
	<i>For Work In Restricted Working Space, Add</i>	14.36	
26 05 33 13-2345	EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	50.33	
	<i>For Work In Restricted Working Space, Add</i>	15.10	
26 05 33 13-2346	EA 2", Cut And Thread Existing In-Place Threaded Conduit.....	52.78	
	<i>For Work In Restricted Working Space, Add</i>	15.83	
26 05 33 13-2347	EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	55.23	
	<i>For Work In Restricted Working Space, Add</i>	16.57	
26 05 33 13-2348	EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	57.69	
	<i>For Work In Restricted Working Space, Add</i>	17.31	
26 05 33 13-2349	EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	58.92	
	<i>For Work In Restricted Working Space, Add</i>	17.68	
26 05 33 13-2350	EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	60.14	
	<i>For Work In Restricted Working Space, Add</i>	18.04	
26 05 33 13-2351	EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	62.60	
	<i>For Work In Restricted Working Space, Add</i>	18.78	
26 05 33 13-2352	EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	65.05	
	<i>For Work In Restricted Working Space, Add</i>	19.52	

26 05 33 13-2353 Flexible Conduit (26 05 33 13-0058)

26 05 33 13-2354 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2353)
 Note: Steel inner core with PVC cover.

26 05 33 13-2355 Flexible Liquid Tight Metallic Conduit (26 05 33 13-2354)

26 05 33 13-2356	LF 3/8" Flexible Liquid Tight Metallic Conduit.....	4.74	1.35
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.50	
	<i>For Work In Restricted Working Space, Add</i>	1.01	
26 05 33 13-2357	LF 1/2" Flexible Liquid Tight Metallic Conduit.....	4.94	1.35
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.50	
	<i>For Work In Restricted Working Space, Add</i>	1.01	
26 05 33 13-2358	LF 3/4" Flexible Liquid Tight Metallic Conduit.....	6.64	1.79
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.67	
	<i>For Work In Restricted Working Space, Add</i>	1.34	
26 05 33 13-2359	LF 1" Flexible Liquid Tight Metallic Conduit.....	7.74	1.79
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.67	
	<i>For Work In Restricted Working Space, Add</i>	1.34	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2360	LF	1-1/4" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	10.04 0.84 1.68	2.24
26 05 33	13-2361	LF	1-1/2" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	12.96 1.01 2.02	2.69
26 05 33	13-2362	LF	2" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	17.03 1.34 2.69	3.58
26 05 33	13-2363	LF	2-1/2" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	23.42 1.51 3.02	4.03
26 05 33	13-2364	LF	3" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	34.76 1.85 3.69	4.92
26 05 33	13-2365	LF	4" Flexible Liquid Tight Metallic Conduit <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	47.70 2.35 4.70	6.26
26 05 33 13-2366 Straight Liquid Tight Connector (26 05 33 13-2354)					
26 05 33	13-2367	EA	3/8" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91 2.69 2.69	3.58
26 05 33	13-2368	EA	1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91 2.69 2.69	3.58
26 05 33	13-2369	EA	3/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.74 3.02 3.02	4.03
26 05 33	13-2370	EA	1" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.31 3.36 3.36	4.48
26 05 33	13-2371	EA	1-1/4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.61 3.69 3.69	4.92
26 05 33	13-2372	EA	1-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.26 4.03 4.03	5.37
26 05 33	13-2373	EA	2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.92 4.70 4.70	6.26
26 05 33	13-2374	EA	2-1/2" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.14 6.04 6.04	8.06
26 05 33	13-2375	EA	3" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.23 6.38 6.38	8.50
26 05 33	13-2376	EA	4" Straight Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.15 9.40 9.40	12.53
26 05 33 13-2377 90 Degree Angle Liquid Tight Connector (26 05 33 13-2354)					
26 05 33	13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92 3.69 3.69	4.92
26 05 33	13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.78 3.69 3.69	4.92
26 05 33	13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41 4.03 4.03	5.37
26 05 33	13-2381	EA	1" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.98 4.70 4.70	6.26
26 05 33	13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.65 5.03 5.03	6.72
26 05 33	13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.61 5.37 5.37	7.16
26 05 33	13-2384	EA	2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.05 6.04 6.04	8.06
26 05 33	13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	239.92 6.38 6.38	8.50
26 05 33	13-2386	EA	3" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	283.55 7.38 7.38	9.85
26 05 33	13-2387	EA	4" 90 Degree Angle Liquid Tight Connector <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.64 11.75 11.75	15.66



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		26 05 33 13-2388 45 Degree Angle Connector <small>(26 05 33 13-2354)</small>		
	26 05 33 13-2389	EA 3/8" 45 Degree Angle Liquid Tight Connector.....	18.64	4.92
		<i>For Work In Restricted Working Space, Add</i>	3.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
	26 05 33 13-2390	EA 1/2" 45 Degree Angle Liquid Tight Connector.....	18.84	4.92
		<i>For Work In Restricted Working Space, Add</i>	3.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
	26 05 33 13-2391	EA 3/4" 45 Degree Angle Liquid Tight Connector.....	22.41	5.37
		<i>For Work In Restricted Working Space, Add</i>	4.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
	26 05 33 13-2392	EA 1" 45 Degree Angle Liquid Tight Connector.....	34.31	6.26
		<i>For Work In Restricted Working Space, Add</i>	4.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
	26 05 33 13-2393	EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	39.14	6.72
		<i>For Work In Restricted Working Space, Add</i>	5.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
	26 05 33 13-2394	EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	43.98	7.16
		<i>For Work In Restricted Working Space, Add</i>	5.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
		26 05 33 13-2395 Flexible Metallic Conduit And Connectors <small>(26 05 33 13-2353)</small>		
		26 05 33 13-2396 Flexible Steel Conduit <small>(26 05 33 13-2395)</small>		
	26 05 33 13-2397	LF 3/8" Flexible Metallic Conduit.....	4.28	1.46
		<i>For Flexible Aluminum Conduit, Add</i>	0.11	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.54	
		<i>For Installation In Metal Stud Wall, Add</i>	0.36	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.90	
		<i>For Work In Restricted Working Space, Add</i>	1.08	
	26 05 33 13-2398	LF 1/2" Flexible Metallic Conduit.....	4.43	1.46
		<i>For Flexible Aluminum Conduit, Add</i>	0.13	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.55	
		<i>For Installation In Metal Stud Wall, Add</i>	0.37	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.92	
		<i>For Work In Restricted Working Space, Add</i>	1.10	
	26 05 33 13-2399	LF 3/4" Flexible Metallic Conduit.....	5.01	1.96
		<i>For Flexible Aluminum Conduit, Add</i>	0.17	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.60	
		<i>For Installation In Metal Stud Wall, Add</i>	0.40	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.00	
		<i>For Work In Restricted Working Space, Add</i>	1.19	
	26 05 33 13-2400	LF 1" Flexible Metallic Conduit.....	6.20	1.96
		<i>For Flexible Aluminum Conduit, Add</i>	0.32	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.64	
		<i>For Installation In Metal Stud Wall, Add</i>	0.43	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.07	
		<i>For Work In Restricted Working Space, Add</i>	1.28	
	26 05 33 13-2401	LF 1-1/4" Flexible Metallic Conduit.....	7.04	2.45
		<i>For Flexible Aluminum Conduit, Add</i>	0.41	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
		<i>For Installation In Metal Stud Wall, Add</i>	0.45	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.13	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
	26 05 33 13-2402	LF 1-1/2" Flexible Metallic Conduit.....	9.12	2.94
		<i>For Flexible Aluminum Conduit, Add</i>	0.73	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.71	
		<i>For Installation In Metal Stud Wall, Add</i>	0.47	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.18	
		<i>For Work In Restricted Working Space, Add</i>	1.42	
	26 05 33 13-2403	LF 2" Flexible Metallic Conduit.....	10.30	3.92
		<i>For Flexible Aluminum Conduit, Add</i>	0.89	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
		<i>For Installation In Metal Stud Wall, Add</i>	0.49	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.23	
		<i>For Work In Restricted Working Space, Add</i>	1.47	
	26 05 33 13-2404	LF 2-1/2" Flexible Steel Conduit.....	12.65	4.40
		<i>For Flexible Aluminum Conduit, Add</i>	1.08	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.92	
		<i>For Installation In Metal Stud Wall, Add</i>	0.61	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.53	
		<i>For Work In Restricted Working Space, Add</i>	1.84	
	26 05 33 13-2405	LF 3" Flexible Metallic Conduit.....	18.68	5.39
		<i>For Flexible Aluminum Conduit, Add</i>	1.87	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.10	
		<i>For Installation In Metal Stud Wall, Add</i>	0.73	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.84	
		<i>For Work In Restricted Working Space, Add</i>	2.20	
	26 05 33 13-2406	LF 3-1/2" Flexible Metallic Conduit.....	22.87	5.88
		<i>For Flexible Aluminum Conduit, Add</i>	2.36	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.29	
		<i>For Installation In Metal Stud Wall, Add</i>	0.86	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.14	
		<i>For Work In Restricted Working Space, Add</i>	2.57	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2407	LF	4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	26.29 2.72 1.47 0.98 2.45 2.94	6.85
26 05 33 13-2408 Plain Squeeze Type Straight Connector (26 05 33 13-2395)					
26 05 33	13-2409	EA	3/8" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.25 1.65 1.65	3.92
26 05 33	13-2410	EA	1/2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88 1.84 1.84	4.40
26 05 33	13-2411	EA	3/4" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.25 2.20 2.20	5.39
26 05 33	13-2412	EA	1" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18 2.94 2.94	5.88
26 05 33	13-2413	EA	1-1/4" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70 3.67 3.67	6.85
26 05 33	13-2414	EA	1-1/2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.83 4.59 4.59	8.33
26 05 33	13-2415	EA	2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.02 5.51 5.51	8.33
26 05 33	13-2416	EA	2-1/2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.01 6.43 6.43	10.28
26 05 33	13-2417	EA	3" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.74 7.35 7.35	11.27
26 05 33	13-2418	EA	3-1/2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	245.09 8.27 8.27	13.22
26 05 33	13-2419	EA	4" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.82 9.18 9.18	16.16
26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-2395)					
26 05 33	13-2421	EA	1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.83 1.84 1.84	4.40
26 05 33	13-2422	EA	3/4" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.50 2.20 2.20	5.39
26 05 33	13-2423	EA	1" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.88 2.94 2.94	5.88
26 05 33	13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.82 3.67 3.67	6.85
26 05 33	13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.38 4.59 4.59	7.34
26 05 33	13-2426	EA	2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.83 5.51 5.51	8.33
26 05 33	13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.98 6.43 6.43	10.28
26 05 33	13-2428	EA	3" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.47 7.35 7.35	11.27
26 05 33	13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	283.21 8.27 8.27	13.22
26 05 33	13-2430	EA	4" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	363.14 9.18 9.18	16.16
26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector (26 05 33 13-2395)					
26 05 33	13-2432	EA	3/8" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13 2.20 2.20	4.90
26 05 33	13-2433	EA	1/2" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.24 2.57 2.57	5.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2434 EA 3/4" Flexible 90 Degree Connector, Plain.....	17.10	5.88
<i>For Work In Restricted Working Space, Add</i>	<i>2.94</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.94</i>	
26 05 33 13-2435 EA 1" Flexible 90 Degree Connector, Plain.....	23.77	6.85
<i>For Work In Restricted Working Space, Add</i>	<i>3.67</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.67</i>	
26 05 33 13-2436 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	36.59	7.34
<i>For Work In Restricted Working Space, Add</i>	<i>4.41</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.41</i>	
26 05 33 13-2437 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	56.63	8.57
<i>For Work In Restricted Working Space, Add</i>	<i>5.51</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.51</i>	
26 05 33 13-2438 EA 2" Flexible 90 Degree Connector, Plain.....	68.13	10.53
<i>For Work In Restricted Working Space, Add</i>	<i>6.25</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.25</i>	
26 05 33 13-2439 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	147.81	11.27
<i>For Work In Restricted Working Space, Add</i>	<i>7.35</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.35</i>	
26 05 33 13-2440 EA 3" Flexible 90 Degree Connector, Plain.....	189.44	13.22
<i>For Work In Restricted Working Space, Add</i>	<i>8.27</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.27</i>	
26 05 33 13-2441 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	398.77	16.16
<i>For Work In Restricted Working Space, Add</i>	<i>9.18</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>9.18</i>	
26 05 33 13-2442 EA 4" Flexible 90 Degree Connector, Plain.....	710.43	18.37
<i>For Work In Restricted Working Space, Add</i>	<i>11.02</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.02</i>	
26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2444 EA 1/2" Flexible 90 Degree Connector, Insulated.....	14.56	5.39
<i>For Work In Restricted Working Space, Add</i>	<i>2.57</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.57</i>	
26 05 33 13-2445 EA 3/4" Flexible 90 Degree Connector, Insulated.....	18.72	5.88
<i>For Work In Restricted Working Space, Add</i>	<i>2.94</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.94</i>	
26 05 33 13-2446 EA 1" Flexible 90 Degree Connector, Insulated.....	23.77	6.85
<i>For Work In Restricted Working Space, Add</i>	<i>3.67</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.67</i>	
26 05 33 13-2447 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	42.38	7.34
<i>For Work In Restricted Working Space, Add</i>	<i>4.41</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.41</i>	
26 05 33 13-2448 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	67.14	8.57
<i>For Work In Restricted Working Space, Add</i>	<i>5.51</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.51</i>	
26 05 33 13-2449 EA 2" Flexible 90 Degree Connector, Insulated.....	85.21	10.53
<i>For Work In Restricted Working Space, Add</i>	<i>6.25</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.25</i>	
26 05 33 13-2450 EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	201.22	11.27
<i>For Work In Restricted Working Space, Add</i>	<i>7.35</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.35</i>	
26 05 33 13-2451 EA 3" Flexible 90 Degree Connector, Insulated.....	247.31	13.22
<i>For Work In Restricted Working Space, Add</i>	<i>8.27</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.27</i>	
26 05 33 13-2452 EA 3-1/2" Flexible 90 Degree Connector, Insulated.....	661.04	16.16
<i>For Work In Restricted Working Space, Add</i>	<i>9.18</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>9.18</i>	
26 05 33 13-2453 EA 4" Flexible 90 Degree Connector, Insulated.....	985.11	18.37
<i>For Work In Restricted Working Space, Add</i>	<i>11.02</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.02</i>	
26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2455 EA 3/8" Flexible 45 Degree Connector, Plain.....	11.19	4.90
<i>For Work In Restricted Working Space, Add</i>	<i>2.20</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.20</i>	
26 05 33 13-2456 EA 1/2" Flexible 45 Degree Connector, Plain.....	14.94	5.39
<i>For Work In Restricted Working Space, Add</i>	<i>2.57</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.57</i>	
26 05 33 13-2457 EA 3/4" Flexible 45 Degree Connector, Plain.....	19.00	5.88
<i>For Work In Restricted Working Space, Add</i>	<i>2.94</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.94</i>	
26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2459 EA 3/8" Flexible 45 Degree Connector, Insulated.....	11.93	5.88
<i>For Work In Restricted Working Space, Add</i>	<i>2.20</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.20</i>	
26 05 33 13-2460 EA 1/2" Flexible 45 Degree Connector, Insulated.....	16.15	5.39
<i>For Work In Restricted Working Space, Add</i>	<i>2.57</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.57</i>	
26 05 33 13-2461 EA 3/4" Flexible 45 Degree Connector, Insulated.....	20.71	5.88
<i>For Work In Restricted Working Space, Add</i>	<i>2.94</i>	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.94</i>	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2462		Plain Screw-In Connector <small>(26 05 33 13-2395)</small>		
26 05 33	13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	6.15	3.92
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33	13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	6.66	4.40
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33	13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	8.42	5.39
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-2466	EA	1" Flexible Steel Screw-in Connector, Plain.....	11.97	5.88
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33	13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain.....	17.34	6.85
			<i>For Work In Restricted Working Space, Add</i>	3.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67	
26 05 33	13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain.....	21.25	7.34
			<i>For Work In Restricted Working Space, Add</i>	4.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 05 33	13-2469	EA	2" Flexible Steel Screw-in Connector, Plain.....	30.70	8.33
			<i>For Work In Restricted Working Space, Add</i>	5.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 05 33	13-2470		Insulated Screw-In Connector <small>(26 05 33 13-2395)</small>		
26 05 33	13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated.....	6.47	3.92
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33	13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated.....	6.91	4.40
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33	13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated.....	9.07	5.39
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated.....	12.96	5.88
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33	13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated.....	18.75	6.85
			<i>For Work In Restricted Working Space, Add</i>	3.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67	
26 05 33	13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated.....	22.93	7.34
			<i>For Work In Restricted Working Space, Add</i>	4.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 05 33	13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated.....	32.19	8.33
			<i>For Work In Restricted Working Space, Add</i>	5.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 05 33	13-2478		Screw-In Coupling <small>(26 05 33 13-2395)</small>		
26 05 33	13-2479	EA	1/2" Flexible Steel Screw-in Coupling.....	7.27	4.40
			<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 33	13-2480	EA	3/4" Flexible Steel Screw-in Coupling.....	9.44	5.39
			<i>For Work In Restricted Working Space, Add</i>	2.20	
26 05 33	13-2481		Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-2395)</small>		
26 05 33	13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	9.43	3.92
			<i>For Work In Restricted Working Space, Add</i>	1.65	
26 05 33	13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	12.66	4.40
			<i>For Work In Restricted Working Space, Add</i>	1.84	
26 05 33	13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	16.64	5.39
			<i>For Work In Restricted Working Space, Add</i>	2.20	
26 05 33	13-2485		Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-2395)</small>		
26 05 33	13-2486	EA	3/8" Flexible Straight Connector, Die Cast.....	6.35	3.92
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33	13-2487	EA	1/2" Flexible Straight Connector, Die Cast.....	7.17	4.40
			<i>For Work In Restricted Working Space, Add</i>	1.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.84	
26 05 33	13-2488	EA	3/4" Flexible Straight Connector, Die Cast.....	8.86	5.39
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-2489	EA	1" Flexible Straight Connector, Die Cast.....	13.18	5.88
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33	13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast.....	17.64	6.85
			<i>For Work In Restricted Working Space, Add</i>	3.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2491 EA 1-1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.79 4.99 4.99	7.34
26 05 33 13-2492 EA 2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.57 5.51 5.51	8.33
26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-2395)</small>		
26 05 33 13-2494 EA 3/8" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.41 2.20 2.20	4.90
26 05 33 13-2495 EA 1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.37 2.57 2.57	5.39
26 05 33 13-2496 EA 3/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50 2.94 2.94	5.88
26 05 33 13-2497 EA 1" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.40 3.67 3.67	6.85
26 05 33 13-2498 EA 1-1/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.20 4.41 4.41	7.34
26 05 33 13-2499 EA 1-1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.69 5.51 5.51	8.57
26 05 33 13-2500 EA 2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.70 6.25 6.25	10.53
26 05 33 13-2501 Flexible Liquid Tight Non-Metallic Conduit And Connectors <small>(26 05 33 13-2353)</small>		
26 05 33 13-2502 Flexible Liquid Tight Non-Metallic Conduit <small>(26 05 33 13-2501)</small>		
26 05 33 13-2503 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.27 1.01	1.35
26 05 33 13-2504 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.35 1.01	1.35
26 05 33 13-2505 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	5.86 1.34	1.79
26 05 33 13-2506 LF 1" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	7.27 1.34	1.79
26 05 33 13-2507 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	9.23 1.68	2.24
26 05 33 13-2508 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	11.78 2.02	2.69
26 05 33 13-2509 LF 2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	15.12 2.69	3.58
26 05 33 13-2510 Liquid Tight Non-Metallic Straight Connector <small>(26 05 33 13-2501)</small>		
26 05 33 13-2511 EA 3/8" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35 2.69 2.69	3.58
26 05 33 13-2512 EA 1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35 2.69 2.69	3.58
26 05 33 13-2513 EA 3/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.10 3.02 3.02	4.03
26 05 33 13-2514 EA 1" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.75 3.36 3.36	4.48
26 05 33 13-2515 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.88 3.69 3.69	4.92
26 05 33 13-2516 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.33 4.03 4.03	5.37
26 05 33 13-2517 EA 2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.32 4.70 4.70	6.26
26 05 33 13-2518 Liquid Tight Non-Metallic 90 Degree Angle Connector <small>(26 05 33 13-2501)</small>		
26 05 33 13-2519 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84 3.69 3.69	4.92
26 05 33 13-2520 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.84 3.69 3.69	4.92

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2521	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	21.94	5.37
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33	13-2522	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	31.03	6.26
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33	13-2523	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	32.07	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-2524	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	50.69	7.16
			<i>For Work In Restricted Working Space, Add</i>	5.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
26 05 33	13-2525	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector.....	68.11	8.06
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33 13-2526			Liquid Tight Non-Metallic 45 Degree Angle Connector <small>(26 05 33 13-2501)</small>		
26 05 33	13-2527	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	17.84	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33	13-2528	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	17.84	4.92
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33	13-2529	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	21.94	5.37
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33	13-2530	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	31.03	6.26
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33	13-2531	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	32.07	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	50.69	7.16
			<i>For Work In Restricted Working Space, Add</i>	5.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.37	
26 05 33	13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	68.11	8.06
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33 13-2534			Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2353)</small>		
			Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535			Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-2534)</small>		
26 05 33	13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing.....	5.31	1.46
			<i>For Work In Restricted Working Space, Add</i>	1.10	
26 05 33	13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing.....	7.19	1.96
			<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 33	13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing.....	8.60	1.96
			<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 33 13-2539			Terminal Adapter <small>(26 05 33 13-2534)</small>		
26 05 33	13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	12.49	3.92
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33	13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	15.95	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.31	
26 05 33	13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	18.58	4.90
			<i>For Work In Restricted Working Space, Add</i>	3.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.67	
26 05 33 13-2543			Coupling <small>(26 05 33 13-2534)</small>		
26 05 33	13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	12.14	3.92
			<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 33	13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	14.07	4.40
			<i>For Work In Restricted Working Space, Add</i>	3.31	
26 05 33	13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	16.82	4.90
			<i>For Work In Restricted Working Space, Add</i>	3.67	
26 05 33 13-2547			Metallic Conduit Bodies <small>(26 05 33 13-0058)</small>		
26 05 33 13-2548			Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2547)</small>		
			Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2549			Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2548)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2550 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.25	21.48
For Mogul LB, Add	4.48	
For Work In Restricted Working Space, Add	16.11	
For Elevated Installation >10' To 15', Add	5.37	
For Elevated Installation >15' To 20', Add	10.74	
For Elevated Installation >20' To 25', Add	13.43	
For Elevated Installation >25' To 30', Add	18.80	
For Elevated Installation >30' To 35', Add	21.48	
For Elevated Installation >35' To 40', Add	26.85	
For Elevated Installation >40', Add	29.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.11	
26 05 33 13-2551 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.51	24.61
For Mogul LB, Add	6.65	
For Work In Restricted Working Space, Add	18.46	
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.39	
For Elevated Installation >25' To 30', Add	21.54	
For Elevated Installation >30' To 35', Add	24.62	
For Elevated Installation >35' To 40', Add	30.77	
For Elevated Installation >40', Add	33.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 05 33 13-2552 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.07	28.64
For Mogul LB, Add	10.26	
For Work In Restricted Working Space, Add	21.48	
For Elevated Installation >10' To 15', Add	7.16	
For Elevated Installation >15' To 20', Add	14.32	
For Elevated Installation >20' To 25', Add	17.90	
For Elevated Installation >25' To 30', Add	25.06	
For Elevated Installation >30' To 35', Add	28.64	
For Elevated Installation >35' To 40', Add	35.81	
For Elevated Installation >40', Add	39.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.48	
26 05 33 13-2553 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	109.24	32.67
For Mogul LB, Add	16.59	
For Work In Restricted Working Space, Add	24.50	
For Elevated Installation >10' To 15', Add	8.17	
For Elevated Installation >15' To 20', Add	16.34	
For Elevated Installation >20' To 25', Add	20.42	
For Elevated Installation >25' To 30', Add	28.59	
For Elevated Installation >30' To 35', Add	32.67	
For Elevated Installation >35' To 40', Add	40.84	
For Elevated Installation >40', Add	44.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.50	
26 05 33 13-2554 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	125.07	35.81
For Mogul LB, Add	22.19	
For Work In Restricted Working Space, Add	26.85	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.90	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.33	
For Elevated Installation >30' To 35', Add	35.80	
For Elevated Installation >35' To 40', Add	44.76	
For Elevated Installation >40', Add	49.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.85	
26 05 33 13-2555 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	164.85	42.96
For Mogul LB, Add	37.71	
For Work In Restricted Working Space, Add	32.22	
For Elevated Installation >10' To 15', Add	10.74	
For Elevated Installation >15' To 20', Add	21.48	
For Elevated Installation >20' To 25', Add	26.85	
For Elevated Installation >25' To 30', Add	37.59	
For Elevated Installation >30' To 35', Add	42.96	
For Elevated Installation >35' To 40', Add	53.71	
For Elevated Installation >40', Add	59.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.22	
26 05 33 13-2556 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	278.17	60.42
For Mogul LB, Add	87.79	
For Work In Restricted Working Space, Add	45.32	
For Elevated Installation >10' To 15', Add	15.11	
For Elevated Installation >15' To 20', Add	30.21	
For Elevated Installation >20' To 25', Add	37.76	
For Elevated Installation >25' To 30', Add	52.87	
For Elevated Installation >30' To 35', Add	60.42	
For Elevated Installation >35' To 40', Add	75.53	
For Elevated Installation >40', Add	83.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.32	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-2557	EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	365.53 113.03 60.42 20.14 40.28 50.35 70.49 80.56 100.70 110.77 60.42	80.55
26 05 33 13-2558	EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	486.48 163.47 75.52 25.17 50.35 62.94 88.11 100.70 125.87 138.46 75.52	100.70
26 05 33 13-2559	EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	632.76 229.31 91.97 30.66 61.31 76.64 107.30 122.63 153.29 168.61 91.97	122.62
26 05 33 13-2560	Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2548)</small>		
26 05 33 13-2561	EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.41 5.35 16.11 5.37 10.74 13.43 18.80 21.48 26.85 29.54 16.11	21.48
26 05 33 13-2562	EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.64 7.50 18.46 6.15 12.31 15.39 21.54 24.62 30.77 33.85 18.46	24.61
26 05 33 13-2563	EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.35 11.97 21.48 7.16 14.32 17.90 25.06 28.64 35.81 39.39 21.48	28.64
26 05 33 13-2564	EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.02 18.67 24.50 8.17 16.34 20.42 28.59 32.67 40.84 44.92 24.50	32.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2565 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	129.80	35.81
For Mogul LB, Add	25.74	
For Work In Restricted Working Space, Add	26.85	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.90	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.33	
For Elevated Installation >30' To 35', Add	35.80	
For Elevated Installation >35' To 40', Add	44.76	
For Elevated Installation >40', Add	49.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.85	
26 05 33 13-2566 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	175.00	42.96
For Mogul LB, Add	45.32	
For Work In Restricted Working Space, Add	32.22	
For Elevated Installation >10' To 15', Add	10.74	
For Elevated Installation >15' To 20', Add	21.48	
For Elevated Installation >20' To 25', Add	26.85	
For Elevated Installation >25' To 30', Add	37.59	
For Elevated Installation >30' To 35', Add	42.96	
For Elevated Installation >35' To 40', Add	53.71	
For Elevated Installation >40', Add	59.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.22	
26 05 33 13-2567 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	273.05	60.42
For Mogul LB, Add	83.95	
For Work In Restricted Working Space, Add	45.32	
For Elevated Installation >10' To 15', Add	15.11	
For Elevated Installation >15' To 20', Add	30.21	
For Elevated Installation >20' To 25', Add	37.76	
For Elevated Installation >25' To 30', Add	52.87	
For Elevated Installation >30' To 35', Add	60.42	
For Elevated Installation >35' To 40', Add	75.53	
For Elevated Installation >40', Add	83.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.32	
26 05 33 13-2568 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	348.31	80.55
For Mogul LB, Add	100.11	
For Work In Restricted Working Space, Add	60.42	
For Elevated Installation >10' To 15', Add	20.14	
For Elevated Installation >15' To 20', Add	40.28	
For Elevated Installation >20' To 25', Add	50.35	
For Elevated Installation >25' To 30', Add	70.49	
For Elevated Installation >30' To 35', Add	80.56	
For Elevated Installation >35' To 40', Add	100.70	
For Elevated Installation >40', Add	110.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.42	
26 05 33 13-2569 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	501.17	100.70
For Mogul LB, Add	174.49	
For Work In Restricted Working Space, Add	75.52	
For Elevated Installation >10' To 15', Add	25.17	
For Elevated Installation >15' To 20', Add	50.35	
For Elevated Installation >20' To 25', Add	62.94	
For Elevated Installation >25' To 30', Add	88.11	
For Elevated Installation >30' To 35', Add	100.70	
For Elevated Installation >35' To 40', Add	125.87	
For Elevated Installation >40', Add	138.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.52	
26 05 33 13-2570 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	662.78	122.62
For Mogul LB, Add	251.83	
For Work In Restricted Working Space, Add	91.97	
For Elevated Installation >10' To 15', Add	30.66	
For Elevated Installation >15' To 20', Add	61.31	
For Elevated Installation >20' To 25', Add	76.64	
For Elevated Installation >25' To 30', Add	107.30	
For Elevated Installation >30' To 35', Add	122.63	
For Elevated Installation >35' To 40', Add	153.29	
For Elevated Installation >40', Add	168.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.97	
26 05 33 13-2571 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover ^(26 05 33 13-2548)		
26 05 33 13-2572 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	74.20	24.61
For Work In Restricted Working Space, Add	18.46	
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.39	
For Elevated Installation >25' To 30', Add	21.54	
For Elevated Installation >30' To 35', Add	24.62	
For Elevated Installation >35' To 40', Add	30.77	
For Elevated Installation >40', Add	33.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	87.91	28.64
			<i>For Work In Restricted Working Space, Add</i>	21.48	
			<i>For Elevated Installation >10' To 15', Add</i>	7.16	
			<i>For Elevated Installation >15' To 20', Add</i>	14.32	
			<i>For Elevated Installation >20' To 25', Add</i>	17.90	
			<i>For Elevated Installation >25' To 30', Add</i>	25.06	
			<i>For Elevated Installation >30' To 35', Add</i>	28.64	
			<i>For Elevated Installation >35' To 40', Add</i>	35.81	
			<i>For Elevated Installation >40', Add</i>	39.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.48	
26 05 33	13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	101.39	31.33
			<i>For Work In Restricted Working Space, Add</i>	23.50	
			<i>For Elevated Installation >10' To 15', Add</i>	7.83	
			<i>For Elevated Installation >15' To 20', Add</i>	15.66	
			<i>For Elevated Installation >20' To 25', Add</i>	19.58	
			<i>For Elevated Installation >25' To 30', Add</i>	27.41	
			<i>For Elevated Installation >30' To 35', Add</i>	31.33	
			<i>For Elevated Installation >35' To 40', Add</i>	39.16	
			<i>For Elevated Installation >40', Add</i>	43.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.50	
26 05 33	13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	124.48	35.81
			<i>For Work In Restricted Working Space, Add</i>	26.85	
			<i>For Elevated Installation >10' To 15', Add</i>	8.95	
			<i>For Elevated Installation >15' To 20', Add</i>	17.90	
			<i>For Elevated Installation >20' To 25', Add</i>	22.38	
			<i>For Elevated Installation >25' To 30', Add</i>	31.33	
			<i>For Elevated Installation >30' To 35', Add</i>	35.80	
			<i>For Elevated Installation >35' To 40', Add</i>	44.76	
			<i>For Elevated Installation >40', Add</i>	49.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.85	
26 05 33	13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	143.90	39.39
			<i>For Work In Restricted Working Space, Add</i>	29.54	
			<i>For Elevated Installation >10' To 15', Add</i>	9.85	
			<i>For Elevated Installation >15' To 20', Add</i>	19.69	
			<i>For Elevated Installation >20' To 25', Add</i>	24.62	
			<i>For Elevated Installation >25' To 30', Add</i>	34.46	
			<i>For Elevated Installation >30' To 35', Add</i>	39.38	
			<i>For Elevated Installation >35' To 40', Add</i>	49.23	
			<i>For Elevated Installation >40', Add</i>	54.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.54	
26 05 33	13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	192.96	46.09
			<i>For Work In Restricted Working Space, Add</i>	34.57	
			<i>For Elevated Installation >10' To 15', Add</i>	11.52	
			<i>For Elevated Installation >15' To 20', Add</i>	23.05	
			<i>For Elevated Installation >20' To 25', Add</i>	28.81	
			<i>For Elevated Installation >25' To 30', Add</i>	40.33	
			<i>For Elevated Installation >30' To 35', Add</i>	46.10	
			<i>For Elevated Installation >35' To 40', Add</i>	57.62	
			<i>For Elevated Installation >40', Add</i>	63.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.57	
26 05 33	13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	305.16	67.13
			<i>For Work In Restricted Working Space, Add</i>	50.35	
			<i>For Elevated Installation >10' To 15', Add</i>	16.78	
			<i>For Elevated Installation >15' To 20', Add</i>	33.57	
			<i>For Elevated Installation >20' To 25', Add</i>	41.96	
			<i>For Elevated Installation >25' To 30', Add</i>	58.74	
			<i>For Elevated Installation >30' To 35', Add</i>	67.13	
			<i>For Elevated Installation >35' To 40', Add</i>	83.92	
			<i>For Elevated Installation >40', Add</i>	92.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.35	
26 05 33	13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	394.23	87.27
			<i>For Work In Restricted Working Space, Add</i>	65.45	
			<i>For Elevated Installation >10' To 15', Add</i>	21.82	
			<i>For Elevated Installation >15' To 20', Add</i>	43.64	
			<i>For Elevated Installation >20' To 25', Add</i>	54.55	
			<i>For Elevated Installation >25' To 30', Add</i>	76.36	
			<i>For Elevated Installation >30' To 35', Add</i>	87.27	
			<i>For Elevated Installation >35' To 40', Add</i>	109.09	
			<i>For Elevated Installation >40', Add</i>	120.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.45	
26 05 33	13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	634.16	107.41
			<i>For Work In Restricted Working Space, Add</i>	80.56	
			<i>For Elevated Installation >10' To 15', Add</i>	26.85	
			<i>For Elevated Installation >15' To 20', Add</i>	53.70	
			<i>For Elevated Installation >20' To 25', Add</i>	67.13	
			<i>For Elevated Installation >25' To 30', Add</i>	93.98	
			<i>For Elevated Installation >30' To 35', Add</i>	107.41	
			<i>For Elevated Installation >35' To 40', Add</i>	134.26	
			<i>For Elevated Installation >40', Add</i>	147.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2581 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	725.94	129.34
For Work In Restricted Working Space, Add	97.01	
For Elevated Installation >10' To 15', Add	32.34	
For Elevated Installation >15' To 20', Add	64.67	
For Elevated Installation >20' To 25', Add	80.84	
For Elevated Installation >25' To 30', Add	113.17	
For Elevated Installation >30' To 35', Add	129.34	
For Elevated Installation >35' To 40', Add	161.68	
For Elevated Installation >40', Add	177.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.01	
26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2582)</small>		
26 05 33 13-2583 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	64.65	21.48
For Work In Restricted Working Space, Add	16.11	
For Elevated Installation >10' To 15', Add	5.37	
For Elevated Installation >15' To 20', Add	10.74	
For Elevated Installation >20' To 25', Add	13.43	
For Elevated Installation >25' To 30', Add	18.80	
For Elevated Installation >30' To 35', Add	21.48	
For Elevated Installation >35' To 40', Add	26.85	
For Elevated Installation >40', Add	29.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.11	
26 05 33 13-2584 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	74.84	24.61
For Work In Restricted Working Space, Add	18.46	
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.39	
For Elevated Installation >25' To 30', Add	21.54	
For Elevated Installation >30' To 35', Add	24.62	
For Elevated Installation >35' To 40', Add	30.77	
For Elevated Installation >40', Add	33.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 05 33 13-2585 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	90.30	28.20
For Work In Restricted Working Space, Add	21.15	
For Elevated Installation >10' To 15', Add	7.05	
For Elevated Installation >15' To 20', Add	14.10	
For Elevated Installation >20' To 25', Add	17.62	
For Elevated Installation >25' To 30', Add	24.67	
For Elevated Installation >30' To 35', Add	28.20	
For Elevated Installation >35' To 40', Add	35.25	
For Elevated Installation >40', Add	38.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.15	
26 05 33 13-2586 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	110.92	32.67
For Work In Restricted Working Space, Add	24.50	
For Elevated Installation >10' To 15', Add	8.17	
For Elevated Installation >15' To 20', Add	16.34	
For Elevated Installation >20' To 25', Add	20.42	
For Elevated Installation >25' To 30', Add	28.59	
For Elevated Installation >30' To 35', Add	32.67	
For Elevated Installation >35' To 40', Add	40.84	
For Elevated Installation >40', Add	44.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.50	
26 05 33 13-2587 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	124.30	35.81
For Work In Restricted Working Space, Add	26.85	
For Elevated Installation >10' To 15', Add	8.95	
For Elevated Installation >15' To 20', Add	17.90	
For Elevated Installation >20' To 25', Add	22.38	
For Elevated Installation >25' To 30', Add	31.33	
For Elevated Installation >30' To 35', Add	35.80	
For Elevated Installation >35' To 40', Add	44.76	
For Elevated Installation >40', Add	49.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.85	
26 05 33 13-2588 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	164.93	42.96
For Work In Restricted Working Space, Add	32.22	
For Elevated Installation >10' To 15', Add	10.74	
For Elevated Installation >15' To 20', Add	21.48	
For Elevated Installation >20' To 25', Add	26.85	
For Elevated Installation >25' To 30', Add	37.59	
For Elevated Installation >30' To 35', Add	42.96	
For Elevated Installation >35' To 40', Add	53.71	
For Elevated Installation >40', Add	59.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.22	
26 05 33 13-2589 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	268.73	60.42
For Work In Restricted Working Space, Add	45.32	
For Elevated Installation >10' To 15', Add	15.11	
For Elevated Installation >15' To 20', Add	30.21	
For Elevated Installation >20' To 25', Add	37.76	
For Elevated Installation >25' To 30', Add	52.87	
For Elevated Installation >30' To 35', Add	60.42	
For Elevated Installation >35' To 40', Add	75.53	
For Elevated Installation >40', Add	83.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.32	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	345.55 60.42 20.14 40.28 50.35 70.49 80.56 100.70 110.77 60.42	80.55
26 05 33	13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	492.34 75.52 25.17 50.35 62.94 88.11 100.70 125.87 138.46 75.52	100.70
26 05 33	13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	635.52 91.97 30.66 61.31 76.64 107.30 122.63 153.29 168.61 91.97	122.62
26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2548)</small>					
26 05 33	13-2594	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.03 21.15 7.05 14.10 17.62 24.67 28.20 35.25 38.77 21.15	28.20
26 05 33	13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.34 23.50 7.83 15.66 19.58 27.41 31.33 39.16 43.08 23.50	31.33
26 05 33	13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.71 25.85 8.62 17.23 21.54 30.15 34.46 43.08 47.38 25.85	34.46
26 05 33	13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.33 29.54 9.85 19.69 24.62 34.46 39.38 49.23 54.15 29.54	39.39
26 05 33	13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	180.75 32.22 10.74 21.48 26.85 37.59 42.96 53.71 59.08 32.22	42.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2599 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	218.51	52.81
For Work In Restricted Working Space, Add	39.61	
For Elevated Installation >10' To 15', Add	13.20	
For Elevated Installation >15' To 20', Add	26.41	
For Elevated Installation >20' To 25', Add	33.01	
For Elevated Installation >25' To 30', Add	46.21	
For Elevated Installation >30' To 35', Add	52.81	
For Elevated Installation >35' To 40', Add	66.02	
For Elevated Installation >40', Add	72.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.61	
26 05 33 13-2600 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	408.13	77.42
For Work In Restricted Working Space, Add	58.07	
For Elevated Installation >10' To 15', Add	19.36	
For Elevated Installation >15' To 20', Add	38.71	
For Elevated Installation >20' To 25', Add	48.39	
For Elevated Installation >25' To 30', Add	67.75	
For Elevated Installation >30' To 35', Add	77.42	
For Elevated Installation >35' To 40', Add	96.78	
For Elevated Installation >40', Add	106.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.07	
26 05 33 13-2601 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	503.10	100.70
For Work In Restricted Working Space, Add	75.52	
For Elevated Installation >10' To 15', Add	25.17	
For Elevated Installation >15' To 20', Add	50.35	
For Elevated Installation >20' To 25', Add	62.94	
For Elevated Installation >25' To 30', Add	88.11	
For Elevated Installation >30' To 35', Add	100.70	
For Elevated Installation >35' To 40', Add	125.87	
For Elevated Installation >40', Add	138.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.52	
26 05 33 13-2602 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	718.68	124.42
For Work In Restricted Working Space, Add	93.98	
For Elevated Installation >10' To 15', Add	31.33	
For Elevated Installation >15' To 20', Add	62.66	
For Elevated Installation >20' To 25', Add	78.32	
For Elevated Installation >25' To 30', Add	109.65	
For Elevated Installation >30' To 35', Add	125.31	
For Elevated Installation >35' To 40', Add	156.64	
For Elevated Installation >40', Add	172.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.98	
26 05 33 13-2603 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	868.26	149.48
For Work In Restricted Working Space, Add	112.11	
For Elevated Installation >10' To 15', Add	37.37	
For Elevated Installation >15' To 20', Add	74.74	
For Elevated Installation >20' To 25', Add	93.43	
For Elevated Installation >25' To 30', Add	130.80	
For Elevated Installation >30' To 35', Add	149.48	
For Elevated Installation >35' To 40', Add	186.85	
For Elevated Installation >40', Add	205.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.11	
26 05 33 13-2604 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2547)</small>		
<small>Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)</small>		
26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2604)</small>		
26 05 33 13-2606 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	66.50	21.48
For Work In Restricted Working Space, Add	16.11	
For Elevated Installation >10' To 15', Add	5.37	
For Elevated Installation >15' To 20', Add	10.74	
For Elevated Installation >20' To 25', Add	13.43	
For Elevated Installation >25' To 30', Add	18.80	
For Elevated Installation >30' To 35', Add	21.48	
For Elevated Installation >35' To 40', Add	26.85	
For Elevated Installation >40', Add	29.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.11	
26 05 33 13-2607 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	77.22	24.61
For Work In Restricted Working Space, Add	18.46	
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.38	
For Elevated Installation >25' To 30', Add	21.54	
For Elevated Installation >30' To 35', Add	24.61	
For Elevated Installation >35' To 40', Add	30.77	
For Elevated Installation >40', Add	33.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 05 33 13-2608 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	94.99	28.64
For Work In Restricted Working Space, Add	21.48	
For Elevated Installation >10' To 15', Add	7.16	
For Elevated Installation >15' To 20', Add	14.32	
For Elevated Installation >20' To 25', Add	17.90	
For Elevated Installation >25' To 30', Add	25.06	
For Elevated Installation >30' To 35', Add	28.64	
For Elevated Installation >35' To 40', Add	35.81	
For Elevated Installation >40', Add	39.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.48	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2609 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	123.63	32.67
<i>For Work In Restricted Working Space, Add</i>	24.50	
<i>For Elevated Installation >10' To 15', Add</i>	8.17	
<i>For Elevated Installation >15' To 20', Add</i>	16.34	
<i>For Elevated Installation >20' To 25', Add</i>	20.42	
<i>For Elevated Installation >25' To 30', Add</i>	28.59	
<i>For Elevated Installation >30' To 35', Add</i>	32.67	
<i>For Elevated Installation >35' To 40', Add</i>	40.84	
<i>For Elevated Installation >40', Add</i>	44.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.50	
26 05 33 13-2610 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	140.97	35.81
<i>For Work In Restricted Working Space, Add</i>	26.85	
<i>For Elevated Installation >10' To 15', Add</i>	8.95	
<i>For Elevated Installation >15' To 20', Add</i>	17.90	
<i>For Elevated Installation >20' To 25', Add</i>	22.38	
<i>For Elevated Installation >25' To 30', Add</i>	31.33	
<i>For Elevated Installation >30' To 35', Add</i>	35.80	
<i>For Elevated Installation >35' To 40', Add</i>	44.76	
<i>For Elevated Installation >40', Add</i>	49.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.85	
26 05 33 13-2611 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	193.53	42.96
<i>For Work In Restricted Working Space, Add</i>	32.22	
<i>For Elevated Installation >10' To 15', Add</i>	10.74	
<i>For Elevated Installation >15' To 20', Add</i>	21.48	
<i>For Elevated Installation >20' To 25', Add</i>	26.85	
<i>For Elevated Installation >25' To 30', Add</i>	37.59	
<i>For Elevated Installation >30' To 35', Add</i>	42.96	
<i>For Elevated Installation >35' To 40', Add</i>	53.71	
<i>For Elevated Installation >40', Add</i>	59.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.22	
26 05 33 13-2612 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	327.33	60.42
<i>For Work In Restricted Working Space, Add</i>	45.32	
<i>For Elevated Installation >10' To 15', Add</i>	15.11	
<i>For Elevated Installation >15' To 20', Add</i>	30.21	
<i>For Elevated Installation >20' To 25', Add</i>	37.76	
<i>For Elevated Installation >25' To 30', Add</i>	52.87	
<i>For Elevated Installation >30' To 35', Add</i>	60.42	
<i>For Elevated Installation >35' To 40', Add</i>	75.53	
<i>For Elevated Installation >40', Add</i>	83.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.32	
26 05 33 13-2613 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	464.37	80.55
<i>For Work In Restricted Working Space, Add</i>	60.42	
<i>For Elevated Installation >10' To 15', Add</i>	20.14	
<i>For Elevated Installation >15' To 20', Add</i>	40.28	
<i>For Elevated Installation >20' To 25', Add</i>	50.35	
<i>For Elevated Installation >25' To 30', Add</i>	70.49	
<i>For Elevated Installation >30' To 35', Add</i>	80.56	
<i>For Elevated Installation >35' To 40', Add</i>	100.70	
<i>For Elevated Installation >40', Add</i>	110.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.42	
26 05 33 13-2614 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	641.07	100.70
<i>For Work In Restricted Working Space, Add</i>	75.53	
<i>For Elevated Installation >10' To 15', Add</i>	25.18	
<i>For Elevated Installation >15' To 20', Add</i>	50.35	
<i>For Elevated Installation >20' To 25', Add</i>	62.94	
<i>For Elevated Installation >25' To 30', Add</i>	88.11	
<i>For Elevated Installation >30' To 35', Add</i>	100.70	
<i>For Elevated Installation >35' To 40', Add</i>	125.88	
<i>For Elevated Installation >40', Add</i>	138.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.53	
26 05 33 13-2615 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	766.95	122.62
<i>For Work In Restricted Working Space, Add</i>	91.97	
<i>For Elevated Installation >10' To 15', Add</i>	30.66	
<i>For Elevated Installation >15' To 20', Add</i>	61.32	
<i>For Elevated Installation >20' To 25', Add</i>	76.65	
<i>For Elevated Installation >25' To 30', Add</i>	107.30	
<i>For Elevated Installation >30' To 35', Add</i>	122.63	
<i>For Elevated Installation >35' To 40', Add</i>	153.29	
<i>For Elevated Installation >40', Add</i>	168.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.97	
26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover		
<small>(26 05 33 13-2604)</small>		
26 05 33 13-2617 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	69.46	21.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.11	
26 05 33 13-2618 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	78.09	24.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 05 33 13-2619 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	99.52	28.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.48	
26 05 33 13-2620 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	126.66	32.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.50	
26 05 33 13-2621 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	144.68	35.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.85	
26 05 33 13-2622 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	185.92	42.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2623 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	285.06	60.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.32	
26 05 33 13-2624 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	388.37	80.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.42	
26 05 33 13-2625 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	685.83	100.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.53	
26 05 33 13-2626 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	799.97	122.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.97	
26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2624)</small>		
26 05 33 13-2628 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	82.67	24.61
For Work In Restricted Working Space, Add	18.46	
For Elevated Installation >10' To 15', Add	6.15	
For Elevated Installation >15' To 20', Add	12.31	
For Elevated Installation >20' To 25', Add	15.39	
For Elevated Installation >25' To 30', Add	21.54	
For Elevated Installation >30' To 35', Add	24.62	
For Elevated Installation >35' To 40', Add	30.77	
For Elevated Installation >40', Add	33.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.46	
26 05 33 13-2629 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	97.43	28.64
For Work In Restricted Working Space, Add	21.82	
For Elevated Installation >10' To 15', Add	7.27	
For Elevated Installation >15' To 20', Add	14.54	
For Elevated Installation >20' To 25', Add	18.18	
For Elevated Installation >25' To 30', Add	25.45	
For Elevated Installation >30' To 35', Add	29.09	
For Elevated Installation >35' To 40', Add	36.36	
For Elevated Installation >40', Add	40.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.82	
26 05 33 13-2630 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	115.69	31.33
For Work In Restricted Working Space, Add	23.50	
For Elevated Installation >10' To 15', Add	7.83	
For Elevated Installation >15' To 20', Add	15.66	
For Elevated Installation >20' To 25', Add	19.58	
For Elevated Installation >25' To 30', Add	27.41	
For Elevated Installation >30' To 35', Add	31.33	
For Elevated Installation >35' To 40', Add	39.16	
For Elevated Installation >40', Add	43.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.50	
26 05 33 13-2631 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	146.30	35.81
For Work In Restricted Working Space, Add	26.52	
For Elevated Installation >10' To 15', Add	8.84	
For Elevated Installation >15' To 20', Add	17.68	
For Elevated Installation >20' To 25', Add	22.10	
For Elevated Installation >25' To 30', Add	30.94	
For Elevated Installation >30' To 35', Add	35.36	
For Elevated Installation >35' To 40', Add	44.20	
For Elevated Installation >40', Add	48.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.52	
26 05 33 13-2632 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	168.05	39.39
For Work In Restricted Working Space, Add	29.54	
For Elevated Installation >10' To 15', Add	9.85	
For Elevated Installation >15' To 20', Add	19.69	
For Elevated Installation >20' To 25', Add	24.62	
For Elevated Installation >25' To 30', Add	34.46	
For Elevated Installation >30' To 35', Add	39.38	
For Elevated Installation >35' To 40', Add	49.23	
For Elevated Installation >40', Add	54.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.54	
26 05 33 13-2633 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	224.26	46.09
For Work In Restricted Working Space, Add	34.57	
For Elevated Installation >10' To 15', Add	11.52	
For Elevated Installation >15' To 20', Add	23.05	
For Elevated Installation >20' To 25', Add	28.81	
For Elevated Installation >25' To 30', Add	40.33	
For Elevated Installation >30' To 35', Add	46.10	
For Elevated Installation >35' To 40', Add	57.62	
For Elevated Installation >40', Add	63.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.57	
26 05 33 13-2634 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	282.21	67.13
For Work In Restricted Working Space, Add	50.35	
For Elevated Installation >10' To 15', Add	16.78	
For Elevated Installation >15' To 20', Add	33.57	
For Elevated Installation >20' To 25', Add	41.96	
For Elevated Installation >25' To 30', Add	58.74	
For Elevated Installation >30' To 35', Add	67.13	
For Elevated Installation >35' To 40', Add	83.92	
For Elevated Installation >40', Add	92.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.35	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2635	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	408.24	87.27
			<i>For Work In Restricted Working Space, Add</i>	65.45	
			<i>For Elevated Installation >10' To 15', Add</i>	21.82	
			<i>For Elevated Installation >15' To 20', Add</i>	43.64	
			<i>For Elevated Installation >20' To 25', Add</i>	54.55	
			<i>For Elevated Installation >25' To 30', Add</i>	76.36	
			<i>For Elevated Installation >30' To 35', Add</i>	87.27	
			<i>For Elevated Installation >35' To 40', Add</i>	109.09	
			<i>For Elevated Installation >40', Add</i>	120.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.45	
26 05 33	13-2636	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	723.27	107.41
			<i>For Work In Restricted Working Space, Add</i>	80.56	
			<i>For Elevated Installation >10' To 15', Add</i>	26.85	
			<i>For Elevated Installation >15' To 20', Add</i>	53.70	
			<i>For Elevated Installation >20' To 25', Add</i>	67.13	
			<i>For Elevated Installation >25' To 30', Add</i>	93.98	
			<i>For Elevated Installation >30' To 35', Add</i>	107.41	
			<i>For Elevated Installation >35' To 40', Add</i>	134.26	
			<i>For Elevated Installation >40', Add</i>	147.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.56	
26 05 33	13-2637	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	835.72	129.34
			<i>For Work In Restricted Working Space, Add</i>	97.34	
			<i>For Elevated Installation >10' To 15', Add</i>	32.45	
			<i>For Elevated Installation >15' To 20', Add</i>	64.89	
			<i>For Elevated Installation >20' To 25', Add</i>	81.12	
			<i>For Elevated Installation >25' To 30', Add</i>	113.56	
			<i>For Elevated Installation >30' To 35', Add</i>	129.79	
			<i>For Elevated Installation >35' To 40', Add</i>	162.24	
			<i>For Elevated Installation >40', Add</i>	178.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.34	
26 05 33	13-2638		Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2604)</small>		
26 05 33	13-2639	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	66.72	21.48
			<i>For Work In Restricted Working Space, Add</i>	16.11	
			<i>For Elevated Installation >10' To 15', Add</i>	5.37	
			<i>For Elevated Installation >15' To 20', Add</i>	10.74	
			<i>For Elevated Installation >20' To 25', Add</i>	13.43	
			<i>For Elevated Installation >25' To 30', Add</i>	18.80	
			<i>For Elevated Installation >30' To 35', Add</i>	21.48	
			<i>For Elevated Installation >35' To 40', Add</i>	26.85	
			<i>For Elevated Installation >40', Add</i>	29.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.11	
26 05 33	13-2640	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	81.06	24.61
			<i>For Work In Restricted Working Space, Add</i>	18.46	
			<i>For Elevated Installation >10' To 15', Add</i>	6.15	
			<i>For Elevated Installation >15' To 20', Add</i>	12.31	
			<i>For Elevated Installation >20' To 25', Add</i>	15.39	
			<i>For Elevated Installation >25' To 30', Add</i>	21.54	
			<i>For Elevated Installation >30' To 35', Add</i>	24.62	
			<i>For Elevated Installation >35' To 40', Add</i>	30.77	
			<i>For Elevated Installation >40', Add</i>	33.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.46	
26 05 33	13-2641	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	94.94	28.20
			<i>For Work In Restricted Working Space, Add</i>	21.15	
			<i>For Elevated Installation >10' To 15', Add</i>	7.05	
			<i>For Elevated Installation >15' To 20', Add</i>	14.10	
			<i>For Elevated Installation >20' To 25', Add</i>	17.62	
			<i>For Elevated Installation >25' To 30', Add</i>	24.67	
			<i>For Elevated Installation >30' To 35', Add</i>	28.20	
			<i>For Elevated Installation >35' To 40', Add</i>	35.25	
			<i>For Elevated Installation >40', Add</i>	38.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.15	
26 05 33	13-2642	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	129.21	32.67
			<i>For Work In Restricted Working Space, Add</i>	24.50	
			<i>For Elevated Installation >10' To 15', Add</i>	8.17	
			<i>For Elevated Installation >15' To 20', Add</i>	16.34	
			<i>For Elevated Installation >20' To 25', Add</i>	20.42	
			<i>For Elevated Installation >25' To 30', Add</i>	28.59	
			<i>For Elevated Installation >30' To 35', Add</i>	32.67	
			<i>For Elevated Installation >35' To 40', Add</i>	40.84	
			<i>For Elevated Installation >40', Add</i>	44.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.50	
26 05 33	13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	151.43	35.81
			<i>For Work In Restricted Working Space, Add</i>	26.85	
			<i>For Elevated Installation >10' To 15', Add</i>	8.95	
			<i>For Elevated Installation >15' To 20', Add</i>	17.90	
			<i>For Elevated Installation >20' To 25', Add</i>	22.38	
			<i>For Elevated Installation >25' To 30', Add</i>	31.33	
			<i>For Elevated Installation >30' To 35', Add</i>	35.80	
			<i>For Elevated Installation >35' To 40', Add</i>	44.76	
			<i>For Elevated Installation >40', Add</i>	49.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2644 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	196.52	42.96
For Work In Restricted Working Space, Add	32.22	
For Elevated Installation >10' To 15', Add	10.74	
For Elevated Installation >15' To 20', Add	21.48	
For Elevated Installation >20' To 25', Add	26.85	
For Elevated Installation >25' To 30', Add	37.59	
For Elevated Installation >30' To 35', Add	42.96	
For Elevated Installation >35' To 40', Add	53.71	
For Elevated Installation >40', Add	59.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.22	
26 05 33 13-2645 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	436.39	113.34
For Work In Restricted Working Space, Add	84.97	
For Elevated Installation >10' To 15', Add	28.32	
For Elevated Installation >15' To 20', Add	56.65	
For Elevated Installation >20' To 25', Add	70.81	
For Elevated Installation >25' To 30', Add	99.13	
For Elevated Installation >30' To 35', Add	113.29	
For Elevated Installation >35' To 40', Add	141.62	
For Elevated Installation >40', Add	155.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.97	
26 05 33 13-2646 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	420.29	80.55
For Work In Restricted Working Space, Add	60.42	
For Elevated Installation >10' To 15', Add	20.14	
For Elevated Installation >15' To 20', Add	40.28	
For Elevated Installation >20' To 25', Add	50.35	
For Elevated Installation >25' To 30', Add	70.49	
For Elevated Installation >30' To 35', Add	80.56	
For Elevated Installation >35' To 40', Add	100.70	
For Elevated Installation >40', Add	110.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.42	
26 05 33 13-2647 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	685.83	100.70
For Work In Restricted Working Space, Add	75.53	
For Elevated Installation >10' To 15', Add	25.18	
For Elevated Installation >15' To 20', Add	50.35	
For Elevated Installation >20' To 25', Add	62.94	
For Elevated Installation >25' To 30', Add	88.11	
For Elevated Installation >30' To 35', Add	100.70	
For Elevated Installation >35' To 40', Add	125.88	
For Elevated Installation >40', Add	138.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.53	
26 05 33 13-2648 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	799.95	122.62
For Work In Restricted Working Space, Add	91.97	
For Elevated Installation >10' To 15', Add	30.66	
For Elevated Installation >15' To 20', Add	61.31	
For Elevated Installation >20' To 25', Add	76.64	
For Elevated Installation >25' To 30', Add	107.30	
For Elevated Installation >30' To 35', Add	122.62	
For Elevated Installation >35' To 40', Add	153.28	
For Elevated Installation >40', Add	168.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.97	
26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2604)</small>		
26 05 33 13-2650 EA 1 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	93.92	28.20
For Work In Restricted Working Space, Add	21.15	
For Elevated Installation >10' To 15', Add	7.05	
For Elevated Installation >15' To 20', Add	14.10	
For Elevated Installation >20' To 25', Add	17.62	
For Elevated Installation >25' To 30', Add	24.67	
For Elevated Installation >30' To 35', Add	28.20	
For Elevated Installation >35' To 40', Add	35.25	
For Elevated Installation >40', Add	38.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.15	
26 05 33 13-2651 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	102.62	31.33
For Work In Restricted Working Space, Add	23.50	
For Elevated Installation >10' To 15', Add	7.83	
For Elevated Installation >15' To 20', Add	15.66	
For Elevated Installation >20' To 25', Add	19.58	
For Elevated Installation >25' To 30', Add	27.41	
For Elevated Installation >30' To 35', Add	31.33	
For Elevated Installation >35' To 40', Add	39.16	
For Elevated Installation >40', Add	43.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.50	
26 05 33 13-2652 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	119.50	34.46
For Work In Restricted Working Space, Add	25.85	
For Elevated Installation >10' To 15', Add	8.62	
For Elevated Installation >15' To 20', Add	17.23	
For Elevated Installation >20' To 25', Add	21.54	
For Elevated Installation >25' To 30', Add	30.15	
For Elevated Installation >30' To 35', Add	34.46	
For Elevated Installation >35' To 40', Add	43.08	
For Elevated Installation >40', Add	47.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.85	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	142.49	39.39
			<i>For Work In Restricted Working Space, Add</i>	29.54	
			<i>For Elevated Installation >10' To 15', Add</i>	9.85	
			<i>For Elevated Installation >15' To 20', Add</i>	19.69	
			<i>For Elevated Installation >20' To 25', Add</i>	24.62	
			<i>For Elevated Installation >25' To 30', Add</i>	34.46	
			<i>For Elevated Installation >30' To 35', Add</i>	39.38	
			<i>For Elevated Installation >35' To 40', Add</i>	49.23	
			<i>For Elevated Installation >40', Add</i>	54.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.54	
26 05 33	13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	164.86	42.96
			<i>For Work In Restricted Working Space, Add</i>	32.22	
			<i>For Elevated Installation >10' To 15', Add</i>	10.74	
			<i>For Elevated Installation >15' To 20', Add</i>	21.48	
			<i>For Elevated Installation >20' To 25', Add</i>	26.85	
			<i>For Elevated Installation >25' To 30', Add</i>	37.59	
			<i>For Elevated Installation >30' To 35', Add</i>	42.96	
			<i>For Elevated Installation >35' To 40', Add</i>	53.71	
			<i>For Elevated Installation >40', Add</i>	59.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.22	
26 05 33	13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	232.04	52.81
			<i>For Work In Restricted Working Space, Add</i>	39.61	
			<i>For Elevated Installation >10' To 15', Add</i>	13.20	
			<i>For Elevated Installation >15' To 20', Add</i>	26.41	
			<i>For Elevated Installation >20' To 25', Add</i>	33.01	
			<i>For Elevated Installation >25' To 30', Add</i>	46.21	
			<i>For Elevated Installation >30' To 35', Add</i>	52.81	
			<i>For Elevated Installation >35' To 40', Add</i>	66.02	
			<i>For Elevated Installation >40', Add</i>	72.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.61	
26 05 33	13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	372.13	77.42
			<i>For Work In Restricted Working Space, Add</i>	58.07	
			<i>For Elevated Installation >10' To 15', Add</i>	19.36	
			<i>For Elevated Installation >15' To 20', Add</i>	38.71	
			<i>For Elevated Installation >20' To 25', Add</i>	48.39	
			<i>For Elevated Installation >25' To 30', Add</i>	67.75	
			<i>For Elevated Installation >30' To 35', Add</i>	77.42	
			<i>For Elevated Installation >35' To 40', Add</i>	96.78	
			<i>For Elevated Installation >40', Add</i>	106.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.07	
26 05 33	13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	548.47	100.70
			<i>For Work In Restricted Working Space, Add</i>	75.52	
			<i>For Elevated Installation >10' To 15', Add</i>	25.17	
			<i>For Elevated Installation >15' To 20', Add</i>	50.35	
			<i>For Elevated Installation >20' To 25', Add</i>	62.94	
			<i>For Elevated Installation >25' To 30', Add</i>	88.11	
			<i>For Elevated Installation >30' To 35', Add</i>	100.70	
			<i>For Elevated Installation >35' To 40', Add</i>	125.87	
			<i>For Elevated Installation >40', Add</i>	138.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.52	
26 05 33	13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	824.17	124.42
			<i>For Work In Restricted Working Space, Add</i>	93.31	
			<i>For Elevated Installation >10' To 15', Add</i>	31.10	
			<i>For Elevated Installation >15' To 20', Add</i>	62.21	
			<i>For Elevated Installation >20' To 25', Add</i>	77.76	
			<i>For Elevated Installation >25' To 30', Add</i>	108.86	
			<i>For Elevated Installation >30' To 35', Add</i>	124.42	
			<i>For Elevated Installation >35' To 40', Add</i>	155.52	
			<i>For Elevated Installation >40', Add</i>	171.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.31	
26 05 33	13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	918.52	149.48
			<i>For Work In Restricted Working Space, Add</i>	112.11	
			<i>For Elevated Installation >10' To 15', Add</i>	37.37	
			<i>For Elevated Installation >15' To 20', Add</i>	74.74	
			<i>For Elevated Installation >20' To 25', Add</i>	93.43	
			<i>For Elevated Installation >25' To 30', Add</i>	130.80	
			<i>For Elevated Installation >30' To 35', Add</i>	149.48	
			<i>For Elevated Installation >35' To 40', Add</i>	186.85	
			<i>For Elevated Installation >40', Add</i>	205.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.11	
26 05 33	13-2660		Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2547)</small>		
			Note: For use with Electrical Metallic Tubing (EMT)		
26 05 33	13-2661		Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2660)</small>		
26 05 33	13-2662	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.37	8.50
			<i>For Work In Restricted Working Space, Add</i>	6.38	
			<i>For Elevated Installation >10' To 15', Add</i>	2.13	
			<i>For Elevated Installation >15' To 20', Add</i>	4.25	
			<i>For Elevated Installation >20' To 25', Add</i>	5.32	
			<i>For Elevated Installation >25' To 30', Add</i>	7.44	
			<i>For Elevated Installation >30' To 35', Add</i>	8.50	
			<i>For Elevated Installation >35' To 40', Add</i>	10.63	
			<i>For Elevated Installation >40', Add</i>	11.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2663 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	41.33	11.19
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-2664 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.24	13.87
For Work In Restricted Working Space, Add	10.40	
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	
26 05 33 13-2665 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.18	17.00
For Work In Restricted Working Space, Add	12.76	
For Elevated Installation >10' To 15', Add	4.25	
For Elevated Installation >15' To 20', Add	8.50	
For Elevated Installation >20' To 25', Add	10.63	
For Elevated Installation >25' To 30', Add	14.88	
For Elevated Installation >30' To 35', Add	17.01	
For Elevated Installation >35' To 40', Add	21.26	
For Elevated Installation >40', Add	23.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.76	
26 05 33 13-2666 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	96.93	19.69
For Work In Restricted Working Space, Add	14.77	
For Elevated Installation >10' To 15', Add	4.92	
For Elevated Installation >15' To 20', Add	9.85	
For Elevated Installation >20' To 25', Add	12.31	
For Elevated Installation >25' To 30', Add	17.23	
For Elevated Installation >30' To 35', Add	19.69	
For Elevated Installation >35' To 40', Add	24.62	
For Elevated Installation >40', Add	27.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.77	
26 05 33 13-2667 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	129.35	22.37
For Work In Restricted Working Space, Add	16.78	
For Elevated Installation >10' To 15', Add	5.59	
For Elevated Installation >15' To 20', Add	11.19	
For Elevated Installation >20' To 25', Add	13.99	
For Elevated Installation >25' To 30', Add	19.58	
For Elevated Installation >30' To 35', Add	22.38	
For Elevated Installation >35' To 40', Add	27.97	
For Elevated Installation >40', Add	30.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.78	
26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With		
Cover (26 05 33 13-2666)		
26 05 33 13-2669 EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.68	8.50
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.38	
26 05 33 13-2670 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.51	11.19
For Work In Restricted Working Space, Add	8.39	
For Elevated Installation >10' To 15', Add	2.80	
For Elevated Installation >15' To 20', Add	5.60	
For Elevated Installation >20' To 25', Add	7.00	
For Elevated Installation >25' To 30', Add	9.79	
For Elevated Installation >30' To 35', Add	11.19	
For Elevated Installation >35' To 40', Add	13.99	
For Elevated Installation >40', Add	15.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.39	
26 05 33 13-2671 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.16	13.87
For Work In Restricted Working Space, Add	10.40	
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.94	
For Elevated Installation >20' To 25', Add	8.67	
For Elevated Installation >25' To 30', Add	12.14	
For Elevated Installation >30' To 35', Add	13.87	
For Elevated Installation >35' To 40', Add	17.34	
For Elevated Installation >40', Add	19.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.40	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	72.84	17.00
			<i>For Work In Restricted Working Space, Add</i>	12.76	
			<i>For Elevated Installation >10' To 15', Add</i>	4.25	
			<i>For Elevated Installation >15' To 20', Add</i>	8.50	
			<i>For Elevated Installation >20' To 25', Add</i>	10.63	
			<i>For Elevated Installation >25' To 30', Add</i>	14.88	
			<i>For Elevated Installation >30' To 35', Add</i>	17.01	
			<i>For Elevated Installation >35' To 40', Add</i>	21.26	
			<i>For Elevated Installation >40', Add</i>	23.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.76	
26 05 33	13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	90.15	19.69
			<i>For Work In Restricted Working Space, Add</i>	14.77	
			<i>For Elevated Installation >10' To 15', Add</i>	4.92	
			<i>For Elevated Installation >15' To 20', Add</i>	9.85	
			<i>For Elevated Installation >20' To 25', Add</i>	12.31	
			<i>For Elevated Installation >25' To 30', Add</i>	17.23	
			<i>For Elevated Installation >30' To 35', Add</i>	19.69	
			<i>For Elevated Installation >35' To 40', Add</i>	24.62	
			<i>For Elevated Installation >40', Add</i>	27.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.77	
26 05 33	13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	128.76	22.37
			<i>For Work In Restricted Working Space, Add</i>	16.78	
			<i>For Elevated Installation >10' To 15', Add</i>	5.59	
			<i>For Elevated Installation >15' To 20', Add</i>	11.19	
			<i>For Elevated Installation >20' To 25', Add</i>	13.99	
			<i>For Elevated Installation >25' To 30', Add</i>	19.58	
			<i>For Elevated Installation >30' To 35', Add</i>	22.38	
			<i>For Elevated Installation >35' To 40', Add</i>	27.97	
			<i>For Elevated Installation >40', Add</i>	30.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.78	
26 05 33	13-2675		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ⁽²⁶⁾		
26 05 33	13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ^(05 33 13-2660)	41.97	11.19
			<i>For Work In Restricted Working Space, Add</i>	8.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.80	
			<i>For Elevated Installation >15' To 20', Add</i>	5.60	
			<i>For Elevated Installation >20' To 25', Add</i>	7.00	
			<i>For Elevated Installation >25' To 30', Add</i>	9.79	
			<i>For Elevated Installation >30' To 35', Add</i>	11.19	
			<i>For Elevated Installation >35' To 40', Add</i>	13.99	
			<i>For Elevated Installation >40', Add</i>	15.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.39	
26 05 33	13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	54.84	13.87
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Elevated Installation >10' To 15', Add</i>	3.47	
			<i>For Elevated Installation >15' To 20', Add</i>	6.94	
			<i>For Elevated Installation >20' To 25', Add</i>	8.67	
			<i>For Elevated Installation >25' To 30', Add</i>	12.14	
			<i>For Elevated Installation >30' To 35', Add</i>	13.87	
			<i>For Elevated Installation >35' To 40', Add</i>	17.34	
			<i>For Elevated Installation >40', Add</i>	19.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33	13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	66.08	17.00
			<i>For Work In Restricted Working Space, Add</i>	12.76	
			<i>For Elevated Installation >10' To 15', Add</i>	4.25	
			<i>For Elevated Installation >15' To 20', Add</i>	8.50	
			<i>For Elevated Installation >20' To 25', Add</i>	10.63	
			<i>For Elevated Installation >25' To 30', Add</i>	14.88	
			<i>For Elevated Installation >30' To 35', Add</i>	17.01	
			<i>For Elevated Installation >35' To 40', Add</i>	21.26	
			<i>For Elevated Installation >40', Add</i>	23.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.76	
26 05 33	13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	92.14	19.69
			<i>For Work In Restricted Working Space, Add</i>	15.44	
			<i>For Elevated Installation >10' To 15', Add</i>	5.15	
			<i>For Elevated Installation >15' To 20', Add</i>	10.29	
			<i>For Elevated Installation >20' To 25', Add</i>	12.87	
			<i>For Elevated Installation >25' To 30', Add</i>	18.01	
			<i>For Elevated Installation >30' To 35', Add</i>	20.58	
			<i>For Elevated Installation >35' To 40', Add</i>	25.73	
			<i>For Elevated Installation >40', Add</i>	28.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.44	
26 05 33	13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	118.73	22.37
			<i>For Work In Restricted Working Space, Add</i>	18.13	
			<i>For Elevated Installation >10' To 15', Add</i>	6.04	
			<i>For Elevated Installation >15' To 20', Add</i>	12.08	
			<i>For Elevated Installation >20' To 25', Add</i>	15.11	
			<i>For Elevated Installation >25' To 30', Add</i>	21.15	
			<i>For Elevated Installation >30' To 35', Add</i>	24.17	
			<i>For Elevated Installation >35' To 40', Add</i>	30.21	
			<i>For Elevated Installation >40', Add</i>	33.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2681 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.00 20.81 6.94 13.87 17.34 24.28 27.75 34.69 38.15 20.81	25.06
26 05 33 13-2682 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2680)</small>		
26 05 33 13-2683 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.67 6.38 2.13 4.25 5.32 7.44 8.50 10.63 11.69 6.38	8.50
26 05 33 13-2684 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.11 8.39 2.80 5.60 7.00 9.79 11.19 13.99 15.39 8.39	11.19
26 05 33 13-2685 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.72 10.40 3.47 6.94 8.67 12.14 13.87 17.34 19.07 10.40	13.87
26 05 33 13-2686 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.95 12.76 4.25 8.50 10.63 14.88 17.01 21.26 23.39 12.76	17.00
26 05 33 13-2687 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.36 14.77 4.92 9.85 12.31 17.23 19.69 24.62 27.08 14.77	19.69
26 05 33 13-2688 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.08 16.78 5.59 11.19 13.99 19.58 22.38 27.97 30.77 16.78	22.37
26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-2547)</small>		
26 05 33 13-2690 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.47 18.39	24.50
26 05 33 13-2691 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.72 34.00	45.31
26 05 33 13-2692 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,174.41 68.98	91.97

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2693	Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2547)			
26 05 33 13-2694	Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2693)			
26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	11.85	4.37
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	14.55	5.09
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	18.64	6.54
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	22.68	8.00
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	27.96	9.46
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	33.22	10.91
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	44.44	12.37
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	57.02	17.46
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	61.87	19.63
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	77.96	24.72
26 05 33 13-2705	Replacement Cast Steel Conduit Body Cover (26 05 33 13-2693)			
26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	13.98	4.37
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	16.41	5.09
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	23.22	6.54
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	28.88	8.00
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	35.18	9.46
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	41.48	10.91
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	47.72	12.37
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	64.77	17.46
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	74.07	19.63
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	93.40	24.72
26 05 33 13-2716	Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2693)			
26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	10.89	4.37
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	12.42	5.09
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	16.26	6.54
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	21.24	8.00
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	24.15	9.46
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	28.82	10.91
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	38.42	12.37
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	49.51	17.46
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	54.75	19.63
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	64.82	24.72
26 05 33 13-2727	Replacement Neoprene Conduit Body Gasket (26 05 33 13-2693)			
26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	12.37	4.37
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	13.83	5.09
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	18.11	6.54
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	22.19	8.00
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	25.10	9.46
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	28.92	10.91
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	38.65	12.37
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	49.74	17.46
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	56.33	19.63
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	66.40	24.72
26 05 33 13-2738	Cutting Knockouts In-Place Metal Boxes Or Enclosures (26 05 33 13-0058)			
Note: For use when connecting conduit to an existing in-place system.				
26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	18.54	
		<i>For Work In Restricted Working Space, Add</i>	5.56	
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	20.87	
		<i>For Work In Restricted Working Space, Add</i>	6.26	
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	24.55	
		<i>For Work In Restricted Working Space, Add</i>	7.37	
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	27.25	
		<i>For Work In Restricted Working Space, Add</i>	8.18	
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	30.68	
		<i>For Work In Restricted Working Space, Add</i>	9.20	
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	36.33	
		<i>For Work In Restricted Working Space, Add</i>	10.90	
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	42.96	
		<i>For Work In Restricted Working Space, Add</i>	12.89	
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	49.10	
		<i>For Work In Restricted Working Space, Add</i>	14.73	
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	55.23	
		<i>For Work In Restricted Working Space, Add</i>	16.57	
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	61.37	
		<i>For Work In Restricted Working Space, Add</i>	18.41	

26 05 33 16 Boxes for Electrical Systems (26 05 33)

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 16-0001	Steel Junction, Device, And Fixture Boxes, Rings And Covers <small>(26 05 33 16)</small>		
	<small>Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.</small>		
26 05 33 16-0002	4" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33 16-0003	EA 1-1/2" Depth, 4" Square Steel Box.....	39.80	18.37
	<i>For Stud Bracket, Add</i>	0.75	
26 05 33 16-0004	EA 2-1/8" Depth, 4" Square Steel Box.....	41.19	18.37
	<i>For Stud Bracket, Add</i>	1.35	
26 05 33 16-0005	EA 3-1/2" Depth, 4" Square Steel Box.....	45.97	18.37
	<i>For Stud Bracket, Add</i>	1.47	
26 05 33 16-0006	EA 1-1/2" Depth, 4" Square Steel Extension Ring.....	31.31	12.24
26 05 33 16-0007	EA 2-1/8" Depth, 4" Square Steel Extension Ring.....	26.47	12.24
26 05 33 16-0008	EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.70	6.12
26 05 33 16-0009	EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	13.92	6.12
26 05 33 16-0010	EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.08	6.12
26 05 33 16-0011	EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.60	6.12
26 05 33 16-0012	EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.75	6.12
26 05 33 16-0013	EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	16.41	6.12
26 05 33 16-0014	EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.33	6.12
26 05 33 16-0015	EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.49	6.12
26 05 33 16-0016	EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.69	6.12
26 05 33 16-0017	EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	16.38	6.12
26 05 33 16-0018	EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	16.73	6.12
26 05 33 16-0019	EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	18.88	6.12
26 05 33 16-0020	EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	15.15	6.12
26 05 33 16-0021	EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	16.52	6.12
26 05 33 16-0022	EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	14.30	6.12
26 05 33 16-0023	EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	14.43	6.12
26 05 33 16-0024	EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	14.27	6.12
26 05 33 16-0025	EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	14.64	6.12
26 05 33 16-0026	EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	14.94	6.12
26 05 33 16-0027	EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.74	6.12
26 05 33 16-0028	EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.89	6.12
26 05 33 16-0029	EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	18.74	6.12
26 05 33 16-0030	EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.89	6.12
26 05 33 16-0031	EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.78	6.12
26 05 33 16-0032	EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.74	6.12
26 05 33 16-0033	EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.74	6.12
26 05 33 16-0034	EA Flat, 4" Square Steel Exposed Work Cover.....	13.22	6.12
26 05 33 16-0035	4-11/16" Square Steel Boxes, Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33 16-0036	EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	44.95	18.37
26 05 33 16-0037	EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	41.80	18.37
	<i>For Stud Bracket, Add</i>	0.71	
26 05 33 16-0038	EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	57.62	18.37
26 05 33 16-0039	EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	32.62	12.24
26 05 33 16-0040	EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	33.40	12.24
26 05 33 16-0041	EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.85	6.12
26 05 33 16-0042	EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.89	6.12
26 05 33 16-0043	EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	18.23	6.12
26 05 33 16-0044	EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.69	6.12
26 05 33 16-0045	EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.57	6.12
26 05 33 16-0046	EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	23.16	6.12
26 05 33 16-0047	EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.92	6.12
26 05 33 16-0048	EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.21	6.12
26 05 33 16-0049	EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.23	6.12
26 05 33 16-0050	EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	20.21	6.12
26 05 33 16-0051	EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	20.62	6.12
26 05 33 16-0052	EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	25.41	6.12
26 05 33 16-0053	EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.66	6.12
26 05 33 16-0054	EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.80	6.12
26 05 33 16-0055	EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	21.51	6.12
26 05 33 16-0056	EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	22.55	6.12
26 05 33 16-0057	EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.20	6.12
26 05 33 16-0058	EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	20.07	6.12
26 05 33 16-0059	EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	23.86	6.12
26 05 33 16-0060	EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	22.54	6.12
26 05 33 16-0061	EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	22.54	6.12
26 05 33 16-0062	EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	22.54	6.12
26 05 33 16-0063	EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	14.07	6.12
26 05 33 16-0064	Steel Square Box Brackets <small>(26 05 33 16-0001)</small>		
26 05 33 16-0065	EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	19.82	9.20
26 05 33 16-0066	EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	14.45	6.13
26 05 33 16-0067	EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	23.18	9.20
26 05 33 16-0068	EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	24.90	9.20

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0069		4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
	26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box.....	33.12	15.31
			<i>For Stud Bracket, Add</i>	1.83	
	26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box.....	34.34	15.31
	26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover.....	13.14	6.12
26 05 33	16-0073		4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
			Note: Placed in concrete slabs or walls.		
	26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring.....	54.49	
	26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	57.85	
	26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring.....	60.53	
	26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	63.13	
	26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring.....	68.93	
	26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring.....	74.95	
	26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring.....	79.63	
	26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover.....	14.82	6.12
26 05 33	16-0082		4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
	26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	50.38	15.31
	26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	55.34	16.53
	26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	66.55	18.37
	26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	86.90	20.21
	26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	128.98	22.04
	26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	69.19	15.31
	26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	75.39	16.53
	26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	100.41	18.37
	26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	129.00	20.21
	26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	212.22	22.04
	26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring.....	22.03	6.12
	26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring.....	22.34	6.12
	26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring.....	25.97	6.12
	26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring.....	32.20	6.12
	26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring.....	45.88	6.12
	26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover.....	18.91	6.12
	26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover.....	22.31	6.12
	26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover.....	26.81	6.12
	26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover.....	32.55	6.12
	26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover.....	46.84	6.12
26 05 33	16-0103		Steel Switch Boxes (26 05 33 16-0001)		
	26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	35.47	15.31
	26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	35.99	15.31
	26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	38.71	15.31
	26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	44.81	15.31
	26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	45.34	15.31
	26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	53.61	15.31
26 05 33	16-0110		4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)		
	26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box.....	32.99	15.31
			<i>For Stud Bracket, Add</i>	2.94	
	26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box.....	33.55	15.31
			<i>For Stud Bracket, Add</i>	1.27	
	26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box.....	34.80	15.31
			<i>For Stud Bracket, Add</i>	1.72	
	26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	21.78	9.18
	26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	21.22	9.18
	26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	7.35	3.06
	26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.46	3.06
	26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.93	3.06
	26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.96	3.06
	26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	8.04	3.06
	26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....	6.96	3.06
26 05 33	16-0122		3-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)		
	26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box.....	49.48	21.43
	26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box.....	55.29	22.65
	26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box.....	63.30	24.49
	26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box.....	72.07	26.94
26 05 33	16-0127		Cast Boxes (26 05 33 16)		
			Note: For flush or surface mount.		
26 05 33	16-0128		Cast Iron Alloy Boxes (26 05 33 16-0127)		
			See CSI section 26 27 26 00-0271 for box covers.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0129	Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>	
<small>Note: Up to 2" deep boxes.</small>		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	105.52	36.73
<small>Note: One hub.</small>		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	113.57	42.86
<small>Note: One hub.</small>		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	133.69	52.04
<small>Note: One hub.</small>		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	131.78	48.98
<small>Note: Two hubs.</small>		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	168.60	58.16
<small>Note: Two hubs.</small>		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	131.23	48.98
<small>Note: Two hubs.</small>		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	157.84	58.16
<small>Note: Two hubs.</small>		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	134.70	48.98
<small>Note: Two hubs.</small>		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	157.89	58.16
<small>Note: Two hubs.</small>		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	131.23	48.98
<small>Note: Two hubs.</small>		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	153.62	58.16
<small>Note: Two hubs.</small>		
26 05 33 16-0141 EA 1/2" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box.....	156.29	61.22
<small>Note: Three hubs.</small>		
26 05 33 16-0142 EA 3/4" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box.....	184.94	73.47
<small>Note: Three hubs.</small>		
26 05 33 16-0143 EA 1/2" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box.....	162.92	61.22
<small>Note: Three hubs.</small>		
26 05 33 16-0144 EA 3/4" Depth, Type FSFA, Shallow, Single Gang Cast Iron Alloy Box.....	210.25	73.47
<small>Note: Three hubs.</small>		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	167.26	61.22
<small>Note: Three hubs.</small>		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	199.84	73.47
<small>Note: Three hubs.</small>		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	155.72	61.22
<small>Note: Three hubs.</small>		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	202.77	73.47
<small>Note: Three hubs.</small>		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	198.64	73.47
<small>Note: Four hubs.</small>		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	239.64	88.77
<small>Note: Four hubs.</small>		
26 05 33 16-0151	Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>	
<small>Note: >2" deep boxes.</small>		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	110.41	36.73
<small>Note: One hub.</small>		
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	127.13	42.86
<small>Note: One hub.</small>		
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	149.34	52.04
<small>Note: One hub.</small>		
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	140.72	48.98
<small>Note: Two hubs.</small>		
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	162.44	58.16
<small>Note: Two hubs.</small>		
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	195.23	70.40
<small>Note: Two hubs.</small>		
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box.....	174.62	58.16
<small>Note: Two hubs.</small>		
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box.....	224.68	73.47
<small>Note: Three hubs.</small>		
26 05 33 16-0160	Shallow, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>	
<small>Note: Up to 2" deep boxes.</small>		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....	127.02	39.79
<small>Note: One hub.</small>		
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....	140.70	45.92
<small>Note: One hub.</small>		
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box.....	163.42	55.10
<small>Note: One hub.</small>		
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box.....	153.85	52.04
<small>Note: Two hubs.</small>		
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box.....	174.72	61.22
<small>Note: Two hubs.</small>		
26 05 33 16-0166	Deep, Two Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>	
<small>Note: >2" deep boxes.</small>		

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	141.69	39.79
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	154.50	45.92
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	175.94	52.04
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	198.05	61.22
26 05 33 16-0171 Cast Aluminum Boxes <small>(26 05 33 16-0127)</small> See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	93.27	30.61
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	106.80	36.73
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	118.63	45.92
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	87.58	30.61
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	110.82	36.73
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	118.31	42.86
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	142.14	52.04
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	178.38	64.28
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	128.22	42.86
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	137.32	52.04
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	122.59	42.86
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	140.68	52.04
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	118.95	42.86
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	140.68	52.04
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	110.55	42.86
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	149.61	52.04
26 05 33 16-0189 EA 1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	140.83	55.10
26 05 33 16-0190 EA 3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	171.11	67.34
26 05 33 16-0191 EA 1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	149.54	55.10
26 05 33 16-0192 EA 3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	201.27	67.34
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	148.81	55.10
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	182.59	67.34
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	185.17	67.34
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	181.45	67.34
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	221.48	82.65
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes <small>(26 05 33 16-0171)</small> Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	103.37	30.61
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	123.84	36.73
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	142.06	45.92
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	133.06	36.73
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	131.37	42.86
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	158.17	52.04
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	176.87	64.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	160.31	52.04
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	196.05	67.34
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	123.63	33.67
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	141.58	39.79
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	151.98	48.98
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	154.50	45.92
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	157.51	55.10
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	194.58	67.34
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	123.52	33.67
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	142.95	39.79
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	157.65	45.92
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	178.63	55.10
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	157.65	45.92
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	178.63	55.10
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	165.46	48.98
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	185.62	58.16
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	188.75	42.86
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	210.36	52.04
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body 26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body 26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body 26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body 26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	195.26 242.12 221.27 216.38 263.93	48.98 55.10 61.22 55.10 61.22
26 05 33 16-0234 Non-Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0271 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	62.70	25.71
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	71.63	30.00
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	81.52	36.43
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	80.20	34.28
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	94.21	40.71
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	114.25	49.28
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	80.49	34.28
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	93.41	40.71

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	111.53	49.28
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	101.66	42.86
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	115.65	51.43
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	136.14	62.14
26 05 33 16-0248 Deep, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	63.58	25.71
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	62.04	25.71
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	73.71	30.00
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	82.38	36.43
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	81.92	34.28
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	91.95	40.71
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	109.85	49.28
26 05 33 16-0256 Shallow, Two Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	67.44	27.85
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	77.24	32.15
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	85.96	38.57
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	82.57	36.43
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	102.24	42.86
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	120.93	51.43
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	84.61	36.43
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	107.89	42.86
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	116.39	51.43
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	103.41	45.00
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	136.44	53.57
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	140.29	64.28
26 05 33 16-0269 Poke Thru Units (26 05 33 16)		
26 05 33 16-0270 Surface Poke Thru Units (26 05 33 16-0269)		
Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271 EA Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	507.71	45.92
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	324.51	
26 05 33 16-0273 EA 20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	46.28	12.24
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	54.58	6.12
26 05 33 16-0275 EA Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	573.77	48.98
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non- metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	304.14	
26 05 33 16-0277 EA Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	78.91	18.37
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	54.58	6.12
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	158.22	12.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	454.66	42.86
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCK.	38.22	6.12
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	452.59	42.86
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	52.79	6.12
26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling.		
26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0264) Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.04	48.98
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.14	48.98
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	769.63	48.98
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	769.63	48.98
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.04	48.98
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.04	48.98
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	737.97	48.98
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	465.58	45.92
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	498.67	45.92
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	501.94	45.92
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	144.47	24.49
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	323.84	12.24
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	323.84	12.24
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	269.60	12.24
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	39.25	3.06
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	20.11	6.12

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	23.05	6.12
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	20.02	6.12
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	20.08	6.12
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	19.95	6.12
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	23.36	6.12
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	23.12	6.12
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	23.65	6.12
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	19.67	6.12
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	19.68	6.12
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	19.43	6.12
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	19.43	6.12
26 05 33 16-0313 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	45.77	9.18
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	17.88	6.12
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	18.30	6.12
26 05 33 16-0316 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	140.55	11.02
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	22.85	6.12
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	23.76	6.12
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	24.41	6.12
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	38.04	12.24
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	43.82	15.31
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	48.03	15.31
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	36.62	12.24
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	23.61	6.12
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	23.61	6.12
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	24.82	6.12
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	25.64	6.12
26 05 33 16-0328 Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,055.85	48.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,005.37	48.98
26 05 33 16-0331 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,067.27	48.98
26 05 33 16-0332 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	995.87	48.98
26 05 33 16-0333 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	986.86	48.98
26 05 33 16-0334 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	599.14	45.92
26 05 33 16-0335 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	670.25	45.92
26 05 33 16-0336 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	172.22	24.49
26 05 33 16-0337 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	350.03	12.24
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	350.03	12.24
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	60.83	3.06
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	20.74	6.12
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.85	6.12
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.98	6.12
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.13	6.12
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	28.99	6.12
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	28.94	6.12
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	20.15	6.12
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	20.39	6.12
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.15	6.12
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.15	6.12
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	28.55	6.12
26 05 33 16-0351 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	23.99	6.12
26 05 33 16-0352 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	27.48	6.12
26 05 33 16-0353 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	38.04	12.24

26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)

26 05 33 23-0001 Raceways (26 05 33 23)

26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)

Note: Also Known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0004 LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	27.29	5.59
For Combination Hinged Screw Cover, Add	0.81	
For Concrete Or Masonry Surface, Add	0.56	
26 05 33 23-0005 EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	22.62	8.39
For Combination Hinged Screw Cover, Add	0.29	
26 05 33 23-0006 EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	26.76	10.46
For Combination Hinged Screw Cover, Add	0.29	
26 05 33 23-0007 EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	56.28	19.58
For Combination Hinged Screw Cover, Add	0.86	
26 05 33 23-0008 EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	90.39	19.58
For Combination Hinged Screw Cover, Add	2.56	
26 05 33 23-0009 EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	133.87	27.85
For Combination Hinged Screw Cover, Add	3.91	
26 05 33 23-0010 EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	150.27	30.77
For Combination Hinged Screw Cover, Add	4.44	
26 05 33 23-0011 4" x 4", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0012 LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	33.42	7.05
For Combination Hinged Screw Cover, Add	0.97	
For Concrete Or Masonry Surface, Add	0.70	
26 05 33 23-0013 LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	59.88	7.05
For Combination Hinged Screw Cover, Add	2.29	
For Concrete Or Masonry Surface, Add	0.70	
26 05 33 23-0014 EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	18.40	6.15
For Combination Hinged Screw Cover, Add	0.30	
26 05 33 23-0015 EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	29.59	11.74
For Combination Hinged Screw Cover, Add	0.30	
26 05 33 23-0016 EA 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	66.49	23.94
For Combination Hinged Screw Cover, Add	0.93	
26 05 33 23-0017 EA 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	103.99	23.94
For Combination Hinged Screw Cover, Add	2.80	
26 05 33 23-0018 EA 4" x 4", Tee For Surface Mounted Wireway With Screw Cover	147.19	31.11
For Combination Hinged Screw Cover, Add	4.25	
26 05 33 23-0019 EA 4" x 4", Cross For Surface Mounted Wireway With Screw Cover	170.05	36.37
For Combination Hinged Screw Cover, Add	4.87	
26 05 33 23-0020 6" x 6", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021 LF 6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	49.92	8.39
For Combination Hinged Screw Cover, Add	1.66	
For Concrete Or Masonry Surface, Add	0.84	
26 05 33 23-0022 LF 6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	96.31	8.39
For Combination Hinged Screw Cover, Add	3.98	
For Concrete Or Masonry Surface, Add	0.84	
26 05 33 23-0023 EA 6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	23.23	6.72
For Combination Hinged Screw Cover, Add	0.49	
26 05 33 23-0024 EA 6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	37.78	13.98
For Combination Hinged Screw Cover, Add	0.49	
26 05 33 23-0025 EA 6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	93.72	27.85
For Combination Hinged Screw Cover, Add	1.91	
26 05 33 23-0026 EA 6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	133.32	27.85
For Combination Hinged Screw Cover, Add	3.89	
26 05 33 23-0027 EA 6" x 6", Tee For Surface Mounted Wireway With Screw Cover	209.15	34.80
For Combination Hinged Screw Cover, Add	6.98	
26 05 33 23-0028 EA 6" x 6", Cross For Surface Mounted Wireway With Screw Cover	226.78	40.28
For Combination Hinged Screw Cover, Add	7.31	
26 05 33 23-0029 8" x 8", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030 LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	80.37	9.17
For Combination Hinged Screw Cover, Add	3.10	
For Concrete Or Masonry Surface, Add	0.92	
26 05 33 23-0031 LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	146.44	9.17
For Combination Hinged Screw Cover, Add	6.41	
For Concrete Or Masonry Surface, Add	0.92	
26 05 33 23-0032 EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	25.57	7.28
For Combination Hinged Screw Cover, Add	0.55	
26 05 33 23-0033 EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	41.24	15.11
For Combination Hinged Screw Cover, Add	0.55	
26 05 33 23-0034 EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	104.56	30.66
For Combination Hinged Screw Cover, Add	2.16	
26 05 33 23-0035 EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	168.88	30.66
For Combination Hinged Screw Cover, Add	5.38	
26 05 33 23-0036 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover	251.36	37.81
For Combination Hinged Screw Cover, Add	8.79	
26 05 33 23-0037 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover	350.64	45.87
For Combination Hinged Screw Cover, Add	12.94	
26 05 33 23-0038 10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover.....	116.57	10.63
<i>For Combination Hinged Screw Cover, Add</i>	4.76	
<i>For Concrete Or Masonry Surface, Add</i>	1.07	
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	205.98	10.63
<i>For Combination Hinged Screw Cover, Add</i>	9.23	
<i>For Concrete Or Masonry Surface, Add</i>	1.07	
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover.....	35.73	8.39
<i>For Combination Hinged Screw Cover, Add</i>	0.95	
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover.....	52.52	16.78
<i>For Combination Hinged Screw Cover, Add</i>	0.95	
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	139.16	33.35
<i>For Combination Hinged Screw Cover, Add</i>	3.62	
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover.....	266.75	33.35
<i>For Combination Hinged Screw Cover, Add</i>	10.00	
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover.....	403.10	42.07
<i>For Combination Hinged Screw Cover, Add</i>	15.95	
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover.....	574.52	47.55
<i>For Combination Hinged Screw Cover, Add</i>	23.97	
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover.....	136.92	12.87
<i>For Combination Hinged Screw Cover, Add</i>	5.56	
<i>For Concrete Or Masonry Surface, Add</i>	1.29	
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	226.76	12.87
<i>For Combination Hinged Screw Cover, Add</i>	10.05	
<i>For Concrete Or Masonry Surface, Add</i>	1.29	
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover.....	46.87	8.95
<i>For Combination Hinged Screw Cover, Add</i>	1.45	
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover.....	64.77	17.90
<i>For Combination Hinged Screw Cover, Add</i>	1.45	
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	182.22	36.37
<i>For Combination Hinged Screw Cover, Add</i>	5.47	
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover.....	351.19	36.37
<i>For Combination Hinged Screw Cover, Add</i>	13.92	
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover.....	452.82	44.76
<i>For Combination Hinged Screw Cover, Add</i>	18.17	
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover.....	736.81	50.35
<i>For Combination Hinged Screw Cover, Add</i>	31.81	
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0059 LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500).....	4.93	1.68
<i>For Concrete Or Masonry Surface, Add</i>	0.17	
26 05 33 23-0060 EA Bushing (Wiremold #502).....	4.86	2.24
26 05 33 23-0061 EA One Or Two Hole Strap (Wiremold #504).....	4.90	2.24
26 05 33 23-0062 EA Connection Cover (Wiremold #506).....	5.09	2.24
26 05 33 23-0063 EA Flat 90 Degree Elbow (Wiremold #511).....	7.70	2.69
26 05 33 23-0064 EA Flat 45 Degree Elbow (Wiremold #512).....	12.74	2.80
26 05 33 23-0065 EA Adjustable Internal Elbow (Wiremold #517).....	9.60	3.35
26 05 33 23-0066 EA Adjustable External Elbow (Wiremold #518).....	9.39	3.35
26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory and white.		
26 05 33 23-0068 LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700).....	6.25	2.24
<i>For Concrete Or Masonry Surface, Add</i>	0.22	
26 05 33 23-0069 EA Bushing (Wiremold #702).....	4.99	2.24
26 05 33 23-0070 EA One Or Two Hole Strap (Wiremold #704).....	5.14	2.24
26 05 33 23-0071 EA Connection Cover (Wiremold #706).....	5.17	2.24
26 05 33 23-0072 EA Flat 90 Degree Elbow (Wiremold #711).....	11.37	4.48
26 05 33 23-0073 EA Flat 45 Degree Elbow (Wiremold #712).....	17.82	4.48
26 05 33 23-0074 EA Adjustable Internal Elbow (Wiremold #717).....	12.26	4.48
26 05 33 23-0075 EA Adjustable External Elbow (Wiremold #718).....	11.85	4.48
26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) <small>(26 05 33 23-0057)</small>		
Note: Available in ivory.		
26 05 33 23-0077 EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	33.68	3.35
26 05 33 23-0078 EA Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	5.11	2.24
26 05 33 23-0079 EA Supporting Clip, For #500 Or 700 (Wiremold #5703).....	5.11	2.24
26 05 33 23-0080 EA Ground Clamp (Wiremold #5709).....	14.74	3.35
26 05 33 23-0081 EA Grounding Connector (Wiremold #5709GC).....	12.46	3.35

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0082	EA		L Or R (Left Or Right) Twisted Internal Eil (Wiremold #5711).....	14.17	4.48
26 05 33 23-0083	EA		Tee (Wiremold #5715).....	15.94	5.59
26 05 33 23-0084	EA		2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	27.60	4.48
26 05 33 23-0085	EA		Utility Box For #500 Or #700 (Wiremold #57242).....	21.27	4.48
26 05 33 23-0086	EA		2-3/8" Diameter, Blank Cover (Wiremold #5731).....	11.44	2.80
26 05 33 23-0087	EA		3" Diameter, Outlet Box (Wiremold #5733).....	26.30	4.48
26 05 33 23-0088	EA		4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	26.20	4.48
26 05 33 23-0089	EA		4-3/8" Blank Cover (Wiremold #5736).....	12.12	2.80
26 05 33 23-0090	EA		4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	23.82	4.48
26 05 33 23-0091	EA		5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	22.99	4.48
26 05 33 23-0092	EA		4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	23.18	4.48
26 05 33 23-0093	EA		5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	23.18	4.48
26 05 33 23-0094	EA		5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	26.20	4.48
26 05 33 23-0095	EA		6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	25.88	4.48
26 05 33 23-0096	EA		6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	27.62	4.48
26 05 33 23-0097	EA		Standard Switch Box For #500, Or #700 (Wiremold #57240).....	31.18	7.28
26 05 33 23-0098	EA		Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	49.39	13.98
26 05 33 23-0099	EA		2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	23.57	7.28
26 05 33 23-0100	EA		1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	37.28	7.28
26 05 33 23-0101	EA		2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	42.72	7.28
26 05 33 23-0102	EA		3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	64.84	7.28
26 05 33 23-0103	EA		1 Gang, Signal Box (Wiremold #5744S).....	33.78	6.15
26 05 33 23-0104	EA		2 Gang, Signal Box (Wiremold #5744S-2).....	37.70	6.15
26 05 33 23-0105	EA		3 Gang, Signal Box (Wiremold #5744S-3).....	60.44	6.15
26 05 33 23-0106	EA		4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	24.61	7.28
26 05 33 23-0107	EA		4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	21.64	7.28
26 05 33 23-0108	EA		4-5/8" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....	30.43	7.28
26 05 33 23-0109	EA		4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....	59.18	7.28
26 05 33 23-0110	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748).....	23.13	7.28
26 05 33 23-0111	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2).....	32.21	7.28
26 05 33 23-0112	EA		4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3).....	57.52	7.28
26 05 33 23-0113	EA		4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4).....	85.37	7.28
26 05 33 23-0114	EA		4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5).....	140.75	7.28
26 05 33 23-0115	EA		4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6).....	143.22	7.28
26 05 33 23-0116	EA		4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S).....	22.85	7.28
26 05 33 23-0117	EA		4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751).....	22.21	7.28
26 05 33 23-0118	EA		4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2).....	29.54	7.28
26 05 33 23-0119	EA		4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3).....	58.08	7.28
26 05 33 23-0120	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A).....	24.01	7.28
26 05 33 23-0121	EA		4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752).....	31.08	7.28
26 05 33 23-0122	EA		4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753).....	44.77	7.28
26 05 33 23-0123	EA		Blank Extension Box (Wiremold #5760).....	15.56	2.80
26 05 33 23-0124	EA		1/2" Special Nipple (Wiremold #5780).....	14.82	2.80
26 05 33 23-0125	EA		1/2" Box Connector (Wiremold #5781).....	9.86	2.80
26 05 33 23-0126	EA		3/4" Box Connector (Wiremold #5781A).....	18.60	3.35
26 05 33 23-0127	EA		1/2" Conduit Connector (Wiremold #5782).....	9.95	2.80
26 05 33 23-0128	EA		3/4" Conduit Connector (Wiremold #5782A).....	23.30	3.35
26 05 33 23-0129	EA		1/2" Elbow Conduit Connector (Wiremold #5784).....	20.88	3.35
26 05 33 23-0130	EA		Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785).....	11.62	3.35
26 05 33 23-0131	EA		Offset Connector (Wiremold #5786).....	19.38	3.35
26 05 33 23-0132	EA		Armor Cable Connector (Wiremold #5790B).....	10.10	2.80
26 05 33 23-0133	EA		1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791).....	8.94	2.24
26 05 33 23-0134			1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) <small>(26 05 33 23-0057)</small>		
			Note: Galvanized finish.		
26 05 33 23-0135	LF		1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10).....	9.01	2.80
			For Concrete Or Masonry Surface, Add	0.28	
26 05 33 23-0136	EA		Wire Clip (Wiremold #1500WC).....	5.61	2.24
26 05 33 23-0137	EA		Bushing (Wiremold #1502).....	6.64	2.80
26 05 33 23-0138	EA		2-Hole Strap (Wiremold #1504).....	7.52	3.35
26 05 33 23-0139	EA		Flat Elbow (Wiremold #1511).....	29.09	10.63
26 05 33 23-0140	EA		Internal Elbow (Wiremold #1517).....	30.06	10.63
26 05 33 23-0141	EA		Adapter Fitting (Wiremold #1517B).....	32.32	10.63
26 05 33 23-0142	EA		External Elbow (Wiremold #1518).....	32.13	10.63
26 05 33 23-0143	EA		Utility Box (Wiremold #1528).....	29.03	7.28
26 05 33 23-0144	EA		Junction Box (Wiremold #1542D).....	29.93	7.28
26 05 33 23-0145	EA		Duplex Receptacle (Wiremold #1543GL).....	58.69	13.98
26 05 33 23-0146	EA		Single Receptacle Box (Wiremold #1546A).....	30.83	7.28
26 05 33 23-0147	EA		Duplex Receptacle Box (Wiremold #1546B).....	37.72	7.28
26 05 33 23-0148	EA		Telephone Box (Wiremold #1546T).....	37.00	7.28
26 05 33 23-0149	EA		Combination Connection (Wiremold #1585).....	17.90	3.35
26 05 33 23-0150			2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) <small>(26 05 33 23-0057)</small>		
			Note: Galvanized finish.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0151 LF 2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	14.96	5.04
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.50</i>	
26 05 33 23-0152 EA Wire Clip (Wiremold #2600WC).....	5.66	2.24
26 05 33 23-0153 EA Fiber Bushing (Wiremold #2602).....	6.31	2.24
26 05 33 23-0154 EA 2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	22.46	3.91
26 05 33 23-0155 EA 5" Diameter, Junction Box (Wiremold #2642D)	33.62	5.59
26 05 33 23-0156 EA Service Fitting (Wiremold #2686FO).....	33.00	6.72
26 05 33 23-0157 Two Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) <small>(26 05 33 23-0157)</small>		
26 05 33 23-0159 LF 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	8.60	2.80
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.28</i>	
26 05 33 23-0160 EA Wire Clip (Wiremold #2000WC).....	4.13	2.24
26 05 33 23-0161 EA Coupling (Wiremold #2001).....	11.03	2.80
26 05 33 23-0162 EA Supporting Clip (Wiremold #2003).....	5.31	1.68
26 05 33 23-0163 EA Cover Clip (Wiremold #2006).....	4.93	1.68
26 05 33 23-0164 EA Ground Clamp (Wiremold #2009).....	12.76	2.80
26 05 33 23-0165 EA Entrance End Fitting (Wiremold #2010A2)	25.35	8.39
26 05 33 23-0166 EA Entrance End Fitting (Wiremold #2010A3)	43.22	11.19
26 05 33 23-0167 EA Blank End Fitting (Wiremold #2010B).....	6.74	2.80
26 05 33 23-0168 EA Flat 90 Degree Elbow (Wiremold #2011).....	21.80	7.28
26 05 33 23-0169 EA Tee (Wiremold #2015).....	39.89	10.52
26 05 33 23-0170 EA Internal Corner Coupling (Wiremold #2017TC).....	14.00	5.59
26 05 33 23-0171 EA Single Gang Device Box (Wiremold #2048)	32.98	9.96
26 05 33 23-0172 EA 2-Gang device Box (Wiremold #2048-2).....	51.82	11.07
26 05 33 23-0173 EA Flush Plate Adapter (Wiremold #2051H)	35.73	11.07
26 05 33 23-0174 EA Side Reducing Connector (Wiremold #2089)	29.33	5.59
26 05 33 23-0175 EA #2089E End Reducing Connector	12.12	2.80
26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) <small>(26 05 33 23-0157)</small>		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177 LF 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B).....	7.36	2.80
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.28</i>	
26 05 33 23-0178 LF 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.06	2.80
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.28</i>	
26 05 33 23-0179 LF Raceway Cover (Wiremold #2400C)	2.91	0.56
26 05 33 23-0180 EA Wire Clip (Wiremold #2400WC).....	4.12	2.24
26 05 33 23-0181 EA Coupling (Wiremold #2401).....	10.95	2.80
26 05 33 23-0182 EA Divided Raceway Coupling (Wiremold #2401D).....	8.97	2.80
26 05 33 23-0183 EA Cover Clip (Wiremold #2406).....	4.96	1.68
26 05 33 23-0184 EA Device Bracket Frame (Wiremold #2407-2CM).....	36.91	8.39
26 05 33 23-0185 EA Device Bracket Frame (Wiremold #2407-2TJ).....	35.37	8.39
26 05 33 23-0186 EA Ground Clamp (Wiremold #2409)	9.64	2.24
26 05 33 23-0187 EA End Fitting (Wiremold #2410A).....	24.30	8.39
26 05 33 23-0188 EA Blank End (Wiremold #2410B).....	6.81	2.80
26 05 33 23-0189 EA Divided Blank End Fitting (Wiremold #2410BD)	6.89	2.80
26 05 33 23-0190 EA Entrance End Fitting (Wiremold #2410C)	36.76	8.39
26 05 33 23-0191 EA Divided Entrance End Fitting (Wiremold #2410D)	35.26	8.39
26 05 33 23-0192 EA Divided Entrance End Fitting (Wiremold #2410DFO)	57.57	8.39
26 05 33 23-0193 EA Full Cap Entrance End Fitting (Wiremold #2410FC).....	44.19	8.39
26 05 33 23-0194 EA Divided Flat 90 Degree Elbow (Wiremold #2411D)	27.21	8.39
26 05 33 23-0195 EA Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	43.37	8.39
26 05 33 23-0196 EA Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	38.88	8.28
26 05 33 23-0197 EA Flat 90 Degree Elbow (Wiremold #2411M).....	25.95	8.39
26 05 33 23-0198 EA Radiused Divided Tee (Wiremold #2415DFO)	46.51	8.28
26 05 33 23-0199 EA Radiused Tee (Wiremold #2415FO).....	44.24	8.28
26 05 33 23-0200 EA Tee (Wiremold #2415M).....	30.70	8.28
26 05 33 23-0201 EA Divided Internal Coupling (Wiremold #2417D).....	25.67	8.28
26 05 33 23-0202 EA Radiused Divided Internal Coupling (Wiremold #2417DFO).....	40.13	8.28
26 05 33 23-0203 EA Radiused Internal Coupling (Wiremold #2417FO)	38.95	8.28
26 05 33 23-0204 EA Internal Coupling (Wiremold #2417M)	24.88	8.28
26 05 33 23-0205 EA Radiused Divided External Coupling (Wiremold #2418DFO)	43.60	8.28
26 05 33 23-0206 EA Radiused External Coupling (Wiremold #2418FO).....	42.90	8.28
26 05 33 23-0207 EA External Coupling (Wiremold #2418M).....	30.19	8.28
26 05 33 23-0208 EA 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	39.64	7.28
26 05 33 23-0209 EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	43.98	7.28
26 05 33 23-0210 EA Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	44.21	7.28
26 05 33 23-0211 EA Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	42.37	7.28
26 05 33 23-0212 EA Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	59.72	7.28
26 05 33 23-0213 EA Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N).....	52.59	7.28
26 05 33 23-0214 EA 4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	27.82	7.28
26 05 33 23-0215 EA 4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2).....	43.02	7.28
26 05 33 23-0216 EA Device Bracket Type Adapter Plate (Wiremold #2450).....	13.23	2.80
26 05 33 23-0217 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	31.41	8.39
26 05 33 23-0218 EA Bridge Fitting For 2400/700/500 (Wiremold #2475D)	93.10	8.39
26 05 33 23-0219 EA Side Reducing Connector (Wiremold #2489)	27.15	4.48

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)	(26 05 33 23-0157)
Note: Available in gray enamel (G) or ivory (V).			
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	14.47
		For Concrete Or Masonry Surface, Add	0.50
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.40
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	5.51
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	14.29
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	14.04
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	10.40
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	6.00
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	15.46
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	15.33
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	35.83
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	13.14
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	39.63
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	59.43
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	42.63
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	81.62
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	38.73
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	47.66
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	34.17
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	57.53
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	18.53
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	20.26
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	18.48
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	21.89
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	56.91
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	64.70
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	18.65
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	21.55
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	85.67
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	210.58
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	74.47
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	80.67
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	80.67
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	25.47

26 05 33 23-0254		4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000)	(26 05 33 23-0157)
Note: Available in gray enamel (G) or ivory (V).			
26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	17.84
		For Concrete Or Masonry Surface, Add	0.54
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	6.29
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.06
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	6.83
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	17.78
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	8.38
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	8.53
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	35.58
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	18.91
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	72.60
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	67.54
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	79.81
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	73.51
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	98.05
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	108.83
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	113.15
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	135.17
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	135.60
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	59.69
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	106.92
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	66.18
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	56.26
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	89.19
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	103.55
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ)	87.70
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	93.01
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	93.01
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	124.40
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	26.00
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	79.88
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	95.21
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	25.83
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	30.16
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	29.32
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	137.25
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	123.64
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	123.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0292 EA Panel Connector (Wiremold #4086A)	99.11	33.00
26 05 33 23-0293 EA Reducing Connector Fitting (Wiremold #4089)	61.04	17.35
26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) ^(26 05 33 23-0157)		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295 LF 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	28.22	6.15
<i>For Concrete Or Masonry Surface, Add</i> 0.62		
26 05 33 23-0296 LF Raceway Cover (Wiremold #6000C)	8.24	1.68
26 05 33 23-0297 LF Divider (Wiremold #6000DA)	8.79	1.68
26 05 33 23-0298 EA Wire Clips For Conductors (Wiremold #6000WC)	8.62	2.80
26 05 33 23-0299 EA Couplings (Wiremold #6001A)	23.09	5.59
26 05 33 23-0300 EA Divider Clip (Wiremold #6001D)	10.79	2.80
26 05 33 23-0301 EA Converter Coupling (Wiremold #6001TX)	30.04	7.28
26 05 33 23-0302 EA Connection Cover (Wiremold #6006)	28.39	7.28
26 05 33 23-0303 EA Single Gang Device Plate (Wiremold #6007C-1)	29.89	7.28
26 05 33 23-0304 EA Two Gang Device Plate (Wiremold #6007C-2)	32.95	7.28
26 05 33 23-0305 EA C-Hanger (Wiremold #6008A)	47.88	10.63
26 05 33 23-0306 EA Blank End Fittings (Wiremold #6010B)	49.86	16.78
26 05 33 23-0307 EA Combination Flat Elbow (Wiremold #6011TX)	98.52	16.78
26 05 33 23-0308 EA Internal-External 45 Degree Elbow (Wiremold #6012TX)	100.49	16.11
26 05 33 23-0309 EA Connector Fitting (Wiremold #6014A)	145.30	17.35
26 05 33 23-0310 EA Combination Internal-External Elbow (Wiremold #6017TX)	101.50	19.02
26 05 33 23-0311 EA Circuit Breaker Housing (Wiremold #6046KD)	181.57	19.02
26 05 33 23-0312 EA #6000 To #6000 Take-off Connector (Wiremold #6074)	175.75	16.78
26 05 33 23-0313 EA #6000 To #4000 Take-off Connector (Wiremold #6074A)	190.61	16.78
26 05 33 23-0314 EA Panel Connector (Wiremold #6086)	105.86	38.94
26 05 33 23-0315 Two Piece Surface Aluminum Raceways ^(26 05 33 23-0056)		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) ^(26 05 33 23-0315)		
26 05 33 23-0317 LF 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	11.08	2.80
<i>For Concrete Or Masonry Surface, Add</i> 0.28		
26 05 33 23-0318 LF Aluminum Raceway Cover (Wiremold #AL2000C)	5.46	0.56
26 05 33 23-0319 EA Wire Clip (Wiremold #AL2000WC)	5.39	2.24
26 05 33 23-0320 EA Coupling (Wiremold #AL2001)	12.00	2.80
26 05 33 23-0321 EA Supporting Clip (Wiremold #AL2003)	5.82	1.68
26 05 33 23-0322 EA Cover Clip (Wiremold #AL2006)	7.35	1.68
26 05 33 23-0323 EA Ground Clamp (Wiremold #AL2009)	10.56	2.80
26 05 33 23-0324 EA Entrance End Fitting (Wiremold #AL2010A)	29.54	8.39
26 05 33 23-0325 EA Blank End Fitting (Wiremold #AL2010B)	9.56	2.80
26 05 33 23-0326 EA Flat 90 Degree Elbow (Wiremold #AL2011)	34.08	7.28
26 05 33 23-0327 EA Tee (Wiremold #AL2015)	46.27	10.52
26 05 33 23-0328 EA Internal Corner Elbow (Wiremold #AL2017)	30.78	5.59
26 05 33 23-0329 EA External Corner Elbow (Wiremold #AL2018)	30.72	5.59
26 05 33 23-0330 EA 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	50.37	11.07
26 05 33 23-0331 EA 4-13/16" Round Fixture Box (Wiremold #AL2038)	115.66	9.96
26 05 33 23-0332 EA 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	51.80	9.96
26 05 33 23-0333 EA 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	106.61	11.07
26 05 33 23-0334 EA Single Gang Shallow Device Box (Wiremold #AL2047)	53.62	9.96
26 05 33 23-0335 EA 2-Gang Shallow Device Box (Wiremold #AL2047-2)	94.33	11.07
26 05 33 23-0336 EA Flush Plate Adapter (Wiremold #AL2051H)	40.85	11.07
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) ^(26 05 33 23-0315)		
26 05 33 23-0338 LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	12.41	2.80
<i>For Concrete Or Masonry Surface, Add</i> 0.28		
26 05 33 23-0339 LF Aluminum Raceway Cover (Wiremold #AL2400C)	5.64	0.56
26 05 33 23-0340 EA Wire Clip (Wiremold #AL2400WC)	7.34	2.24
26 05 33 23-0341 EA Coupling (Wiremold #AL2401)	13.85	2.80
26 05 33 23-0342 EA Cover Clip (Wiremold #AL2406)	9.53	1.68
26 05 33 23-0343 EA Ground Clamp (Wiremold #AL2409)	8.39	2.24
26 05 33 23-0344 EA Blank End (Wiremold #AL2410B)	10.57	2.80
26 05 33 23-0345 EA End Fitting (Wiremold #AL2410B2)	22.82	8.39
26 05 33 23-0346 EA Flat 90 Degree Elbow (Wiremold #AL2411)	41.21	8.39
26 05 33 23-0347 EA Tee (Wiremold #AL2415)	44.90	8.28
26 05 33 23-0348 EA Fourway Fitting (Wiremold #AL2416)	52.65	8.28
26 05 33 23-0349 EA Internal Coupling (Wiremold #AL2417)	41.07	8.28
26 05 33 23-0350 EA External Coupling (Wiremold #AL2418)	44.18	8.28
26 05 33 23-0351 EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	36.82	8.39
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) ^(26 05 33 23-0315)		
26 05 33 23-0353 LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	22.45	5.04
<i>For Concrete Or Masonry Surface, Add</i> 0.50		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0354	LF		Aluminum Raceway Cover (Wiremold #AL3300CE).....	6.73	0.56
26 05 33 23-0355	LF		Raceway Divider (Wiremold #AL3300D).....	5.54	5.04
26 05 33 23-0356	EA		Wire Clips For Conductors (Wiremold #AL3300WC).....	10.74	2.24
26 05 33 23-0357	EA		Couplings (Wiremold #AL3301).....	19.29	2.24
26 05 33 23-0358	EA		Divider Coupling (Wiremold #AL3301D).....	16.24	2.80
26 05 33 23-0359	EA		Ground Clamp (Wiremold #AL3309).....	10.87	2.24
26 05 33 23-0360	EA		Blank End Fittings (Wiremold #AL3310B).....	22.64	4.48
26 05 33 23-0361	EA		End Fitting (Wiremold #AL3310B1).....	36.33	10.63
26 05 33 23-0362	EA		Flat 90 Degree Elbow (Wiremold #AL3311).....	112.96	13.87
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA		Tee Fitting (Wiremold #AL3315).....	129.38	17.35
			Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA		Cross Fitting (Wiremold #AL3316).....	146.63	17.35
			Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA		Internal Elbow (Wiremold #AL3317).....	106.16	10.63
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA		External Elbow (Wiremold #AL3318).....	106.28	10.63
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA		Duplex Receptacle Cover (Wiremold #AL3346D).....	23.43	3.35
26 05 33 23-0368	EA		Single Receptacle Cover (Wiremold #AL3346E).....	23.28	3.35
26 05 33 23-0369	EA		GFCI/ Surge Receptacle Cover (Wiremold #AL3346G).....	23.03	3.35
26 05 33 23-0370	EA		Single Device Cover Plate (Wiremold #AL3356R).....	23.11	2.80
26 05 33 23-0371			5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) ^(26 05 33 23-0315)		
26 05 33 23-0372	LF		5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	26.93	5.04
			For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0373	LF		Aluminum Raceway Cover (Wiremold #AL5200C).....	11.11	0.56
26 05 33 23-0374	LF		Divider (Wiremold #AL5200D).....	6.51	0.56
26 05 33 23-0375	EA		Wire Clips For Conductors (Wiremold #AL5200WC).....	8.91	2.80
26 05 33 23-0376	EA		Wire Clips For Conductors (Wiremold #AL5200WC2).....	7.47	2.80
26 05 33 23-0377	EA		Wire Clips For Conductors (Wiremold #AL5200WC3).....	7.42	2.80
26 05 33 23-0378	EA		Couplings (Wiremold #AL5201).....	17.40	3.35
26 05 33 23-0379	EA		Cover Clip (Wiremold #AL5206).....	15.44	3.35
26 05 33 23-0380	EA		Ground Adapter (Wiremold #AL5209).....	19.20	3.35
26 05 33 23-0381	EA		Blank End Fittings (Wiremold #AL5210B).....	20.28	4.48
26 05 33 23-0382	EA		Blank End Fittings (Wiremold #AL5210B1).....	21.77	4.48
26 05 33 23-0383	EA		Blank End Fittings (Wiremold #AL5210B2).....	22.10	4.48
26 05 33 23-0384	EA		Blank End Fittings (Wiremold #AL5210B3).....	21.42	4.48
26 05 33 23-0385	EA		Flat 90 Degree Elbow (Wiremold #AL5211).....	112.04	13.98
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA		Wall Box Connector (Wiremold #AL5214).....	88.03	17.35
26 05 33 23-0387	EA		Tee Fitting (Wiremold #AL5215).....	131.08	17.35
			Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA		Four Way Fitting (Wiremold #AL5216).....	143.82	17.35
			Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA		Internal Elbow (Wiremold #AL5217).....	116.25	17.35
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA		Internal Corner Coupling (Wiremold #AL5217A).....	49.19	17.35
26 05 33 23-0391	EA		Inverted Internal Elbow (Wiremold #AL5217N).....	119.50	17.35
26 05 33 23-0392	EA		External Elbow (Wiremold #AL5218).....	117.26	17.35
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA		Blank Device Cover Plate (Wiremold #AL5246B).....	25.15	3.35
26 05 33 23-0394	EA		Receptacle Device Cover Plate (Wiremold #AL5246D).....	29.81	3.35
26 05 33 23-0395	EA		Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	35.39	3.35
26 05 33 23-0396	EA		Device Cover Plate (Wiremold #AL5246F).....	33.19	3.35
26 05 33 23-0397	EA		Device Cover Plate (Wiremold #AL5246G).....	30.64	3.35
26 05 33 23-0398	EA		Offset Divider (Wiremold #AL5260).....	28.68	7.28
26 05 33 23-0399			3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) ^(26 05 33 23-0315)		
26 05 33 23-0400	LF		Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	23.97	5.04
26 05 33 23-0401	EA		Cover Clip (Wiremold #ALA3806).....	11.45	3.35
26 05 33 23-0402	EA		Blank End Fittings (Wiremold #ALA3810B).....	20.10	4.48
26 05 33 23-0403	EA		Entrance End Cap Fittings (Wiremold #ALA3810B1).....	21.61	4.48
26 05 33 23-0404	EA		Flat 90 Degree Elbow (Wiremold #ALA3811).....	110.90	13.98
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA		Flat Tee Fitting (Wiremold #ALA3815).....	114.36	17.35
			Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA		Internal Elbow (Wiremold #ALA3817).....	111.49	17.35
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA		Inverted Internal Elbow (Wiremold #ALA3817N).....	131.30	17.35
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408	EA		External Elbow (Wiremold #ALA3818).....	112.96	17.35
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0409			6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) ^(26 05 33 23-0315)		
26 05 33 23-0410	LF		Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	39.59	5.04
26 05 33 23-0411	EA		Cover Clip (Wiremold #ALA4806).....	16.94	3.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0412 EA Blank End Fittings (Wiremold #ALA4810B)	22.16	4.48
26 05 33 23-0413 EA Entrance End Cap Fittings (Wiremold #ALA4810B2)	24.77	4.48
26 05 33 23-0414 EA Flat 90 Degree Elbow (Wiremold #ALA4811)	147.31	13.98
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415 EA Flat Tee Fitting (Wiremold #ALA4815)	201.97	17.35
Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416 EA Internal Elbow (Wiremold #ALA4817)	135.26	17.35
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417 EA Inverted Internal Elbow (Wiremold #ALA4817N)	159.84	17.35
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418 EA External Elbow (Wiremold #ALA4818)	142.18	17.35
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0419	Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small>	
See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420 LF 3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)	8.55	0.56
Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421 EA Wire Clips (Wiremold #ALAWC)	7.57	2.80
26 05 33 23-0422 EA Slide Couplings (Wiremold #ALA01)	18.81	3.35
26 05 33 23-0423 EA Grounding Adapter (Wiremold #ALA09)	15.92	3.35
26 05 33 23-0424 EA Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	43.26	13.98
26 05 33 23-0425 EA Internal Corner Coupling (Wiremold #ALA17A)	51.48	17.35
26 05 33 23-0426 EA Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	48.46	13.98
26 05 33 23-0427 EA Blank Cover Plate (Wiremold #ALA-BL)	20.70	3.35
26 05 33 23-0428 EA Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	22.12	3.35
26 05 33 23-0429 EA Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	23.06	3.35
26 05 33 23-0430 EA Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	22.64	3.35
26 05 33 23-0431 EA GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	22.31	3.35
26 05 33 23-0432 EA Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	23.07	3.35
26 05 33 23-0433 EA Toggle Switch Cover Plate (Wiremold #ALA-N)	23.69	3.35
26 05 33 23-0434 EA Active LPB Cover Plate (Wiremold #ALA-LPB)	30.57	3.35
26 05 33 23-0435 EA Active MAB Cover Plate (Wiremold #ALA-MAB)	28.69	3.35
26 05 33 23-0436 EA Ortronics Cover Plate (Wiremold #ALA-MABRT)	33.18	3.35
26 05 33 23-0437 EA 1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	21.63	3.35
26 05 33 23-0438 EA Active 2A Cover Plate (Wiremold #ALA-2A)	32.03	3.35
26 05 33 23-0439 EA Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	29.25	3.35
26 05 33 23-0440 EA 3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	23.63	3.35
26 05 33 23-0441 EA Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	29.52	3.35
26 05 33 23-0442	Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small>	
Note: Exposed on flat wall surface.		
26 05 33 23-0443	One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small>	
Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444	7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) <small>(26 05 33 23-0443)</small>	
26 05 33 23-0445 LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.51	2.24
For Concrete Or Masonry Surface, Add		0.22
26 05 33 23-0446 EA Wire Clip (Wiremold #400WC)	4.91	2.24
26 05 33 23-0447 EA Cover Clip (Wiremold #406)	5.18	2.24
26 05 33 23-0448 EA Blank End Clip (Wiremold #410B)	9.95	4.48
26 05 33 23-0449 EA Flat 90 Degree Elbow (Wiremold #411)	11.63	4.48
26 05 33 23-0450 EA Tee (Wiremold #415)	14.64	5.59
26 05 33 23-0451 EA Internal Elbow (Wiremold #417)	11.42	4.48
26 05 33 23-0452 EA External Elbow (Wiremold #418)	11.42	4.48
26 05 33 23-0453	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) <small>(26 05 33 23-0443)</small>	
26 05 33 23-0454 LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.25	2.24
For Concrete Or Masonry Surface, Add		0.22
26 05 33 23-0455 EA Wire Clip (Wiremold #800WC)	4.94	2.24
26 05 33 23-0456 EA Cover Clip (Wiremold #806)	5.04	2.24
26 05 33 23-0457 EA Entrance End Fitting (Wiremold #810A2)	15.11	4.48
26 05 33 23-0458 EA Blank End Fitting (Wiremold #810B)	9.95	4.48
26 05 33 23-0459 EA Flat 90 Degree Elbow (Wiremold #811)	11.44	4.48
26 05 33 23-0460 EA Tee (Wiremold #815)	14.37	5.59
26 05 33 23-0461 EA Internal Elbow (Wiremold #817)	11.22	4.48
26 05 33 23-0462 EA External Elbow (Wiremold #818)	11.22	4.48
26 05 33 23-0463 EA End Reducer, #800 To #400 (Wiremold #889A)	12.63	4.48
26 05 33 23-0464	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) <small>(26 05 33 23-0443)</small>	
26 05 33 23-0465 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.34	2.24
For Concrete Or Masonry Surface, Add		0.22
26 05 33 23-0466 LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	8.87	2.24
For Concrete Or Masonry Surface, Add		0.22

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0467	EA		Wire Clip (Wiremold #2300WC).....	5.17	2.24
26 05 33 23-0468	EA		Cover Clip (Wiremold #2306).....	5.44	2.24
26 05 33 23-0469	EA		Entrance End Fitting (Wiremold #2310A).....	16.41	4.48
26 05 33 23-0470	EA		Blank End Fitting (Wiremold #2310B).....	10.46	4.48
26 05 33 23-0471	EA		Divided Entrance End Fitting (Wiremold #2310DFO).....	18.44	4.48
26 05 33 23-0472	EA		Flat 90 Degree Elbow (Wiremold #2311).....	11.66	4.48
26 05 33 23-0473	EA		Divided Flat 90 Degree Elbow (Wiremold #2311DFO).....	12.52	4.48
26 05 33 23-0474	EA		Tee (Wiremold #2315).....	14.50	5.59
26 05 33 23-0475	EA		Internal Elbow (Wiremold #2317).....	11.66	4.48
26 05 33 23-0476	EA		Divided Internal Elbow (Wiremold #2317DFO).....	12.53	4.48
26 05 33 23-0477	EA		External Elbow (Wiremold #2318).....	11.68	4.48
26 05 33 23-0478	EA		Divided External Elbow (Wiremold #2318DFO).....	12.69	4.48
26 05 33 23-0479	EA		End Reducer, #2300 To #400 (Wiremold #2389).....	12.70	4.48
26 05 33 23-0480	EA		End Reducer, #2300 To #800 (Wiremold #2389A).....	13.25	4.48
26 05 33 23-0481			One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) (26 05 33 23-0443)		
26 05 33 23-0482	EA		Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	14.09	3.91
26 05 33 23-0483	EA		Extension Box, 5-1/2" Diameter (Wiremold #2337A).....	23.05	4.48
26 05 33 23-0484	EA		-A Fixture Box, 5-1/2" Diameter (Wiremold #2333).....	23.17	4.48
26 05 33 23-0485	EA		Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	20.93	4.48
26 05 33 23-0486	EA		Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	24.23	4.48
26 05 33 23-0487	EA		Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	22.79	4.48
26 05 33 23-0488	EA		Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	24.74	4.48
26 05 33 23-0489	EA		1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	20.98	7.28
26 05 33 23-0490	EA		2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2).....	23.89	7.28
26 05 33 23-0491	EA		1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	21.83	7.28
26 05 33 23-0492	EA		2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2).....	26.21	7.28
26 05 33 23-0493	EA		3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	31.29	7.28
26 05 33 23-0494	EA		1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP).....	29.67	7.28
26 05 33 23-0495	EA		1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	26.90	7.28
26 05 33 23-0496	EA		Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51).....	20.55	7.28
26 05 33 23-0497			3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) (26 05 33 23-0443)		
26 05 33 23-0498	LF		3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700).....	5.98	2.24
			<i>For Concrete Or Masonry Surface, Add</i>	0.22	
26 05 33 23-0499	EA		3/4" Wire Clip (Wiremold #2700WC).....	2.56	1.11
26 05 33 23-0500	EA		Cover Clip (Wiremold #2706).....	3.83	1.11
26 05 33 23-0501	EA		Blank End (Wiremold #2710B).....	6.06	2.24
26 05 33 23-0502	EA		Flat 90 Degree Elbow (Wiremold #2711).....	7.21	2.80
26 05 33 23-0503	EA		Tee (Wiremold #2715).....	11.70	5.04
26 05 33 23-0504	EA		Internal Elbow (Wiremold #2717).....	8.34	3.35
26 05 33 23-0505	EA		External Elbow (Wiremold #2718).....	8.33	3.35
26 05 33 23-0506	EA		Drop Ceiling Connector (Wiremold #2786).....	9.82	3.91
26 05 33 23-0507			1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) (26 05 33 23-0443)		
26 05 33 23-0508	LF		1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	7.66	2.80
			<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33 23-0509	EA		1" Wire Clip (Wiremold #2800WC).....	3.80	1.68
26 05 33 23-0510	EA		Cover Clip (Wiremold #2806).....	5.03	1.68
26 05 33 23-0511	EA		Blank End (Wiremold #2810B).....	7.27	2.80
26 05 33 23-0512	EA		Flat 90 Degree Elbow (Wiremold #2811).....	9.58	3.91
26 05 33 23-0513	EA		Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	10.19	3.91
26 05 33 23-0514	EA		Tee (Wiremold #2815).....	14.06	6.15
26 05 33 23-0515	EA		Internal Elbow (Wiremold #2817).....	10.68	4.48
26 05 33 23-0516	EA		External Elbow (Wiremold #2818).....	10.70	4.48
26 05 33 23-0517	EA		Radiused Tee (Wiremold #2815FO).....	14.88	6.15
26 05 33 23-0518	EA		Radiused Internal Elbow (Wiremold #2817FO).....	11.41	4.48
26 05 33 23-0519	EA		Radiused External Elbow (Wiremold #2818FO).....	11.31	4.48
26 05 33 23-0520	EA		Drop Ceiling Connector (Wiremold #2886).....	12.05	5.04
26 05 33 23-0521	EA		Reducer, #2800 To #2700 (Wiremold #2889).....	10.85	4.48
26 05 33 23-0522			1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) (26 05 33 23-0443)		
26 05 33 23-0523	LF		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	9.32	3.35
			<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0524	EA		1-1/2" Wire Clip (Wiremold #2900WC).....	5.03	2.24
26 05 33 23-0525	EA		Cover Clip (Wiremold #2906).....	6.29	2.24
26 05 33 23-0526	EA		Blank End (Wiremold #2910B).....	8.53	3.35
26 05 33 23-0527	EA		Flat 90 Degree Elbow (Wiremold #2911).....	10.77	4.48
26 05 33 23-0528	EA		Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	11.72	4.48
26 05 33 23-0529	EA		Tee (Wiremold #2915).....	15.25	6.72
26 05 33 23-0530	EA		Radiused Tee (Wiremold #2915FO).....	16.23	6.72
26 05 33 23-0531	EA		Internal Elbow (Wiremold #2917).....	11.89	5.04
26 05 33 23-0532	EA		Radiused Internal Elbow (Wiremold #2917FO).....	12.88	5.04
26 05 33 23-0533	EA		External Elbow (Wiremold #2918).....	11.88	5.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0534 EA Radiused External Elbow (Wiremold #2918FO)	13.16	5.04
26 05 33 23-0535 EA Drop Ceiling Connector (Wiremold #2986)	12.05	5.04
26 05 33 23-0536 EA Reducer, #2900 To #2800 (Wiremold #2989)	13.39	5.59
26 05 33 23-0537 EA Reducer, #2900 To #2700 (Wiremold #2989A)	13.06	5.59
26 05 33 23-0538 Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small>		
<small>Note: Exposed on flat wall surface. (Wiremold or approved equal).</small>		
26 05 33 23-0539 5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) <small>(26 05 33 23-0539)</small>		
26 05 33 23-0540 LF 5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	14.34	5.04
<small>For Concrete Or Masonry Surface, Add</small>		0.50
26 05 33 23-0541 LF Black, Gray Or White, Cover (Wiremold #5000C)	13.69	5.04
26 05 33 23-0542 LF Oak Veneer, Cover (Wiremold #5000COA)	24.77	5.04
26 05 33 23-0543 LF Maple Wood Veneer, Cover (Wiremold #5000CW)	20.39	5.04
26 05 33 23-0544 LF Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.90	0.56
26 05 33 23-0545 LF Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.45	0.56
26 05 33 23-0546 LF Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.67	0.56
26 05 33 23-0547 EA Base Coupling (Wiremold #5001)	13.44	5.59
26 05 33 23-0548 EA Blank/Coax Adapter (Wiremold #5004)	7.46	2.80
26 05 33 23-0549 EA Low Voltage Blank Plate (Wiremold #5005)	9.89	3.35
26 05 33 23-0550 EA Cover Clip (Wiremold #5006)	14.37	5.59
26 05 33 23-0551 EA Internal Wire Guard (Wiremold #5006A)	13.52	5.59
26 05 33 23-0552 EA Device Bracket (Wiremold #5007C)	15.26	5.59
26 05 33 23-0553 EA Device Plate (Wiremold #5007C-1)	27.87	11.19
26 05 33 23-0554 EA Deep Device Plate (Wiremold #5007C-2)	28.76	11.19
26 05 33 23-0555 EA Right Or Left End Cap (Wiremold #5010)	24.52	10.63
26 05 33 23-0556 EA Entrance End Feed (Wiremold #5010A)	46.73	17.35
26 05 33 23-0557 EA Internal Base Elbow (Wiremold #5017B)	32.91	13.98
26 05 33 23-0558 EA Internal Cover Elbow (Wiremold #5017C)	29.36	11.19
26 05 33 23-0559 EA Internal Elbow Wire Guard (Wiremold #5017WG)	20.28	8.39
26 05 33 23-0560 EA External Base Elbow (Wiremold #5018B)	32.85	13.98
26 05 33 23-0561 EA External Cover Elbow (Wiremold #5018C)	29.60	11.19
26 05 33 23-0562 EA External Elbow Wire Guard (Wiremold #5018WG)	13.29	5.59
26 05 33 23-0563 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) <small>(26 05 33 23-0538)</small>		
26 05 33 23-0564 LF 5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	15.61	5.04
<small>For Concrete Or Masonry Surface, Add</small>		0.50
26 05 33 23-0565 LF Full Width Cover (Wiremold #5400C)	5.18	0.56
26 05 33 23-0566 LF Twin Snap Cover (Wiremold #5400TC)	3.37	0.56
26 05 33 23-0567 EA Twin Snap Cover Wire Clips (Wiremold #5400TWC)	6.18	2.80
26 05 33 23-0568 EA Cover Clip (Wiremold #5406A)	10.17	3.35
26 05 33 23-0569 EA Twin Cover Clip (Wiremold #5406T)	8.67	3.35
26 05 33 23-0570 EA Base Seam Clip (Wiremold #5406TB)	7.83	3.35
26 05 33 23-0571 EA L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	57.54	17.35
26 05 33 23-0572 EA End Cap (Wiremold #5410)	28.61	10.63
26 05 33 23-0573 EA Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	55.36	17.35
26 05 33 23-0574 EA Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	50.16	13.98
26 05 33 23-0575 EA Tee Fitting (Wiremold #5415)	58.07	17.35
26 05 33 23-0576 EA Radiused Tee Fitting (Wiremold #5415FO)	60.65	17.35
26 05 33 23-0577 EA Radiused Internal Elbow (Wiremold #5417FO)	48.63	17.35
26 05 33 23-0578 EA External Elbow (Wiremold #5418)	49.28	17.35
26 05 33 23-0579 EA Radiused External Elbow (Wiremold #5418FO)	49.87	17.35
26 05 33 23-0580 EA 5-5/32" x 6" Device Bracket (Wiremold #5450)	22.99	5.59
26 05 33 23-0581 EA 7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	30.01	5.59
26 05 33 23-0582 EA 2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	17.80	5.59
26 05 33 23-0583 EA Transition Fitting (Wiremold #5474)	51.07	17.35
26 05 33 23-0584 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) <small>(26 05 33 23-0538)</small>		
26 05 33 23-0585 LF 6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	19.29	5.04
<small>For Concrete Or Masonry Surface, Add</small>		0.50
26 05 33 23-0586 LF Cover (Wiremold #5500C)	6.77	0.56
26 05 33 23-0587 EA Wire Clips (Wiremold #5500WC)	7.12	2.80
26 05 33 23-0588 EA Cover Clip (Wiremold #5506)	11.35	3.35
26 05 33 23-0589 EA Base Seam Clip Fitting (Wiremold #5506B)	8.22	3.35
26 05 33 23-0590 EA Modular Furniture Adapter (Wiremold #5507AD)	10.62	3.35
26 05 33 23-0591 EA Blank Faceplate (Wiremold #5507B)	10.66	3.35
26 05 33 23-0592 EA Duplex Receptacle Faceplate (Wiremold #5507D)	10.72	3.35
26 05 33 23-0593 EA Dual RJ Connector Faceplate (Wiremold #5507FRJ)	10.72	3.35
26 05 33 23-0594 EA Rectangular Receptacle Faceplate (Wiremold #5507R)	10.61	3.35
26 05 33 23-0595 EA Dual RJ Connector Faceplate (Wiremold #5507RJ)	10.64	3.35
26 05 33 23-0596 EA Rectangular Spacer Fitting (Wiremold #5507S)	10.56	3.35
26 05 33 23-0597 EA Switch Faceplate (Wiremold #5507SW)	10.58	3.35
26 05 33 23-0598 EA Twistlock Faceplate (Wiremold #5507T1)	10.66	3.35
26 05 33 23-0599 EA Single Receptacle Faceplate (Wiremold #5507T2)	10.45	3.35

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0600	EA		6-5/8" x 6" Device Bracket (Wiremold #5550).....	27.29	5.59
26 05 33 23-0601	EA		9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	36.35	5.59
26 05 33 23-0602	EA		End Cap (Wiremold #5510)	30.89	10.63
26 05 33 23-0603	EA		Entrance End Fitting (Wiremold #5510D)	62.62	17.35
26 05 33 23-0604	EA		Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	56.85	13.98
26 05 33 23-0605	EA		Backfeed Connector (Wiremold #5514A).....	46.15	13.98
26 05 33 23-0606	EA		Tee Fitting (Wiremold #5515)	65.67	17.35
26 05 33 23-0607	EA		Radiused Internal Elbow (Wiremold #5517FO).....	53.28	17.35
26 05 33 23-0608	EA		External Elbow (Wiremold #5518)	54.51	17.35
26 05 33 23-0609	EA		Radiused External Elbow (Wiremold #5518FO)	57.13	17.35
26 05 33 23-0610	EA		Transition Fitting (Wiremold #5574).....	52.02	17.35
26 05 33 23-0611	EA		Transition Fitting (Wiremold #5574A)	68.96	17.35
26 05 33 23-0612			Surface Cable Protection System (26 05 33 23)		
26 05 33 23-0613	EA		35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3).....	625.98	
			Note: Modular interlocking design with hinged lid.		
26 05 33 23-0614	EA		35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5).....	471.92	
			Note: Modular interlocking design with hinged lid.		
26 05 36 Cable Trays for Electrical Systems					
26 05 36 00-0001			Cable Trays (26 05 36) Note: Excludes supporting hangers.		
26 05 36 00-0002			Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0001)		
26 05 36 00-0003			4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0002)		
26 05 36 00-0004			4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0005	LF		6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.91	11.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.31	
26 05 36 00-0006	LF		9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.39	12.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.59	
26 05 36 00-0007	LF		12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.72	13.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.94	
26 05 36 00-0008	LF		18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	56.57	14.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.46	
26 05 36 00-0009	LF		24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	62.23	14.94
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.98	
26 05 36 00-0010	LF		30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	75.95	17.27
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.16	
26 05 36 00-0011	LF		36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	85.18	19.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-6.88	
26 05 36 00-0012			6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0013	LF		6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.41	11.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.08	
26 05 36 00-0014	LF		9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.76	12.24
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.35	
26 05 36 00-0015	LF		12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.67	13.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.56	
26 05 36 00-0016	LF		18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.25	14.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.96	
26 05 36 00-0017	LF		24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	55.34	14.57
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.32	
26 05 36 00-0018	LF		30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	65.08	16.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.11	
26 05 36 00-0019	LF		36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	71.10	18.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.58	
26 05 36 00-0020			9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)		
26 05 36 00-0021	LF		6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.91	11.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.95	
26 05 36 00-0022	LF		9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.06	11.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.02	
26 05 36 00-0023	LF		12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.20	12.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.38	
26 05 36 00-0024	LF		18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.48	13.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.75	
26 05 36 00-0025	LF		24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.64	13.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.14	
26 05 36 00-0026	LF		30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.40	14.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	61.64 -4.84	15.92
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.76 -2.87	10.90
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	38.55 -2.93	11.15
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	40.83 -3.11	11.76
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	43.27 -3.30	12.37
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	45.14 -3.49	12.37
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	49.91 -3.88	13.34
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	52.59 -4.09	13.96
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.26 -2.83	10.66
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.90 -2.88	10.90
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	40.18 -3.06	11.51
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	42.21 -3.22	12.00
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	42.92 -3.28	12.12
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	45.58 -3.47	12.98
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	47.53 -3.61	13.71
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	330.61 -22.83	122.81
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	369.13 -25.26	139.83
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	405.66 -27.68	154.65
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	507.90 -34.99	189.54
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	578.67 -39.73	217.58
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	692.13 -48.81	244.89
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	798.47 -56.52	279.91
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	472.85 -36.64	127.71
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	512.67 -39.03	146.81
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	550.08 -41.40	163.22
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	637.85 -46.89	202.77

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0058	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	713.93 -51.80	235.21
26 05 36 00-0059	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	794.90 -57.24	266.93
26 05 36 00-0060	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	931.31 -67.36	309.17
26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>					
26 05 36 00-0062	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	510.45 -39.92	133.47
26 05 36 00-0063	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	561.43 -43.27	154.53
26 05 36 00-0064	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	606.23 -46.21	172.89
26 05 36 00-0065	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	726.66 -54.53	217.58
26 05 36 00-0066	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	825.72 -61.28	255.42
26 05 36 00-0067	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	969.75 -72.49	293.86
26 05 36 00-0068	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,099.36 -81.17	345.29
26 05 36 00-0069 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>					
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	246.30 -47.17 -83.56 -17.21	89.02
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	279.85 -51.44 -91.67 -19.09	106.77
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	310.06 -55.38 -99.11 -20.80	122.44
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	369.88 -62.75 -113.17 -24.09	154.77
26 05 36 00-0074	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	459.90 -79.11 -142.38 -30.19	189.54
26 05 36 00-0075	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	546.68 -96.99 -173.73 -36.53	217.58
26 05 36 00-0076	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	617.74 -105.93 -190.74 -40.49	255.42
26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>					
26 05 36 00-0078	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	276.97 -56.21 -98.79 -20.05	91.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0079 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.51	110.69
<i>For 60 Degree Bend, Deduct</i>	-62.01	
<i>For 30 Degree Bend, Deduct</i>	-109.50	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.43	
26 05 36 00-0080 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.01	127.83
<i>For 60 Degree Bend, Deduct</i>	-70.14	
<i>For 30 Degree Bend, Deduct</i>	-124.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.45	
26 05 36 00-0081 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.09	163.22
<i>For 60 Degree Bend, Deduct</i>	-77.37	
<i>For 30 Degree Bend, Deduct</i>	-138.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.80	
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.86	202.77
<i>For 60 Degree Bend, Deduct</i>	-94.50	
<i>For 30 Degree Bend, Deduct</i>	-168.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.29	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	611.93	235.21
<i>For 60 Degree Bend, Deduct</i>	-111.79	
<i>For 30 Degree Bend, Deduct</i>	-199.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.60	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	718.61	280.03
<i>For 60 Degree Bend, Deduct</i>	-129.82	
<i>For 30 Degree Bend, Deduct</i>	-231.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.53	
26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	335.86	94.77
<i>For 60 Degree Bend, Deduct</i>	-74.52	
<i>For 30 Degree Bend, Deduct</i>	-129.47	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.69	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	379.79	115.10
<i>For 60 Degree Bend, Deduct</i>	-81.22	
<i>For 30 Degree Bend, Deduct</i>	-141.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.39	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.62	133.59
<i>For 60 Degree Bend, Deduct</i>	-85.62	
<i>For 30 Degree Bend, Deduct</i>	-150.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.33	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.23	172.89
<i>For 60 Degree Bend, Deduct</i>	-97.46	
<i>For 30 Degree Bend, Deduct</i>	-172.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.21	
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	582.67	217.58
<i>For 60 Degree Bend, Deduct</i>	-108.86	
<i>For 30 Degree Bend, Deduct</i>	-193.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.13	
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.73	255.42
<i>For 60 Degree Bend, Deduct</i>	-136.29	
<i>For 30 Degree Bend, Deduct</i>	-241.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.69	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.32	309.17
<i>For 60 Degree Bend, Deduct</i>	-155.81	
<i>For 30 Degree Bend, Deduct</i>	-276.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.37	
26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0094 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.42	122.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.74	
26 05 36 00-0095 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.06	139.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.55	
26 05 36 00-0096 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.94	154.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.31	
26 05 36 00-0097 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.33	189.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.94	

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0098	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	541.25 -35.99	217.58
26 05 36 00-0099	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	600.99 -39.69	244.89
26 05 36 00-0100	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	665.91 -43.30	279.54
26 05 36 00-0101			24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0102	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	432.50 -32.61	127.71
26 05 36 00-0103	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	469.87 -34.74	146.93
26 05 36 00-0104	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	506.01 -37.00	163.22
26 05 36 00-0105	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	584.28 -41.53	202.77
26 05 36 00-0106	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	650.86 -45.49	235.21
26 05 36 00-0107	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	718.12 -49.57	266.93
26 05 36 00-0108	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	822.46 -56.48	309.17
26 05 36 00-0109			36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0110	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	518.88 -40.76	133.47
26 05 36 00-0111	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	564.79 -43.60	154.65
26 05 36 00-0112	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	598.94 -45.48	172.89
26 05 36 00-0113	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	698.38 -51.70	217.58
26 05 36 00-0114	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	765.01 -55.21	255.42
26 05 36 00-0115	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	875.47 -63.06	293.86
26 05 36 00-0116	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	986.08 -69.84	345.29
26 05 36 00-0117			12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0118	EA		6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	640.79 -44.48	235.21
26 05 36 00-0119	EA		9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	693.16 -48.03	255.42
26 05 36 00-0120	EA		12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	727.20 -50.47	266.93
26 05 36 00-0121	EA		18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	812.90 -56.80	293.86
26 05 36 00-0122	EA		24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	922.54 -65.07	326.19
26 05 36 00-0123	EA		30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,029.59 -74.14	345.91



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36	00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,165.22 -83.89	391.58
26 05 36 00-0125				24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
	26 05 36	00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	815.72 -60.28	255.42
	26 05 36	00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	875.17 -64.19	280.03
	26 05 36	00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	913.18 -66.83	293.86
	26 05 36	00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,000.53 -72.87	326.19
	26 05 36	00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,109.90 -80.38	367.34
	26 05 36	00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,194.94 -86.86	391.58
	26 05 36	00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,448.49 -107.15	452.43
26 05 36 00-0133				36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
	26 05 36	00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,049.73 -81.64	280.03
	26 05 36	00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,120.72 -86.31	309.17
	26 05 36	00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,189.95 -91.81	326.19
	26 05 36	00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,306.74 -100.06	367.34
	26 05 36	00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,482.54 -113.31	419.38
	26 05 36	00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,608.19 -123.12	452.43
	26 05 36	00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,807.22 -136.23	533.86
26 05 36 00-0141				12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
	26 05 36	00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	786.09 -60.47	217.58
	26 05 36	00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	804.10 -61.56	226.15
	26 05 36	00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	822.78 -62.68	235.21
	26 05 36	00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	864.00 -65.11	255.42
	26 05 36	00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	890.61 -66.81	266.93
	26 05 36	00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	965.17 -72.03	293.86
	26 05 36	00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,037.67 -76.58	326.19
26 05 36 00-0149				24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0150 EA 6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,157.04	235.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.11	
26 05 36 00-0151 EA 9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,184.38	244.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.03	
26 05 36 00-0152 EA 12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,213.12	255.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.02	
26 05 36 00-0153 EA 18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,276.29	280.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.30	
26 05 36 00-0154 EA 24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,321.72	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.68	
26 05 36 00-0155 EA 30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,397.93	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.61	
26 05 36 00-0156 EA 36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,503.58	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.75	
26 05 36 00-0157 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0158 EA 6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,855.65	255.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-164.28	
26 05 36 00-0159 EA 9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,893.40	266.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-167.09	
26 05 36 00-0160 EA 12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,933.67	280.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.04	
26 05 36 00-0161 EA 18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,000.95	309.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-174.33	
26 05 36 00-0162 EA 24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,047.89	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-177.60	
26 05 36 00-0163 EA 30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,172.11	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-186.60	
26 05 36 00-0164 EA 36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,277.34	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-192.79	
26 05 36 00-0165 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0166 EA 6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.04	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.32	
26 05 36 00-0167 EA 9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	838.46	309.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.08	
26 05 36 00-0168 EA 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	896.54	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.47	
26 05 36 00-0169 EA 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	962.74	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.45	
26 05 36 00-0170 EA 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,083.52	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.72	
26 05 36 00-0171 EA 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,215.13	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.57	
26 05 36 00-0172 EA 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,329.64	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.27	
26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0174 EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,141.67	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.98	
26 05 36 00-0175 EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,193.01	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0176 EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,247.32	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.12	
26 05 36 00-0177 EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,328.64	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.23	
26 05 36 00-0178 EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,474.49	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.75	
26 05 36 00-0179 EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,585.10	489.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.70	
26 05 36 00-0180 EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,781.22	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.63	
26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-004)</small>		
26 05 36 00-0182 EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,447.87	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.18	
26 05 36 00-0183 EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,525.48	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.91	
26 05 36 00-0184 EA 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,608.81	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.94	
26 05 36 00-0185 EA 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,756.75	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.98	
26 05 36 00-0186 EA 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,004.06	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-155.91	
26 05 36 00-0187 EA 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,185.05	586.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-169.61	
26 05 36 00-0188 EA 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,389.28	653.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-184.46	
26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-004)</small>		
26 05 36 00-0190 EA 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	936.76	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.19	
26 05 36 00-0191 EA 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	984.03	309.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.63	
26 05 36 00-0192 EA 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,055.23	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.34	
26 05 36 00-0193 EA 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,136.77	346.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.84	
26 05 36 00-0194 EA 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,277.39	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.10	
26 05 36 00-0195 EA 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,447.76	419.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.82	
26 05 36 00-0196 EA 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,587.77	451.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.13	
26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-004)</small>		
26 05 36 00-0198 EA 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,410.75	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.89	
26 05 36 00-0199 EA 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,470.44	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.22	
26 05 36 00-0200 EA 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,533.11	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.70	
26 05 36 00-0201 EA 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,632.82	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.65	

26 Electrical
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0202	EA		24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,798.72	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.17	
26 05 36 00-0203	EA		30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,931.06	489.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-152.29	
26 05 36 00-0204	EA		36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,182.34	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.74	
26 05 36 00-0205			36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206	EA		6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,823.92	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.78	
26 05 36 00-0207	EA		9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,918.24	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-159.19	
26 05 36 00-0208	EA		12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,018.28	419.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.88	
26 05 36 00-0209	EA		18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,208.01	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-183.10	
26 05 36 00-0210	EA		24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,505.46	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-206.05	
26 05 36 00-0211	EA		30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,728.22	586.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-223.92	
26 05 36 00-0212	EA		36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,974.23	653.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-242.95	
26 05 36 00-0213			6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0214			12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	312.61	122.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.03	
26 05 36 00-0216	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	349.70	139.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.31	
26 05 36 00-0217	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	384.52	154.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.57	
26 05 36 00-0218	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	480.47	189.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.25	
26 05 36 00-0219	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	547.82	217.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.65	
26 05 36 00-0220	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.56	244.89
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.75	
26 05 36 00-0221	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	751.04	279.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.78	
26 05 36 00-0222			24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	435.71	127.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.93	
26 05 36 00-0224	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	474.39	146.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.20	
26 05 36 00-0225	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	510.37	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.43	
26 05 36 00-0226	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	594.99	202.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.61	
26 05 36 00-0227	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	667.93	235.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	744.91	266.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.24	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	871.89	309.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.42	
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.31	133.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.81	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.00	154.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.93	
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.80	172.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.67	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.67	217.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.33	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	768.58	255.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.57	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	901.18	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.63	
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,024.51	345.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.68	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	232.30	89.02
<i>For 60 Degree Bend, Deduct</i>	-42.55	
<i>For 30 Degree Bend, Deduct</i>	-75.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.81	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.28	106.77
<i>For 60 Degree Bend, Deduct</i>	-46.63	
<i>For 30 Degree Bend, Deduct</i>	-83.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.64	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.92	122.44
<i>For 60 Degree Bend, Deduct</i>	-50.39	
<i>For 30 Degree Bend, Deduct</i>	-90.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.29	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	353.88	154.77
<i>For 60 Degree Bend, Deduct</i>	-57.47	
<i>For 30 Degree Bend, Deduct</i>	-104.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.49	
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.33	189.54
<i>For 60 Degree Bend, Deduct</i>	-72.32	
<i>For 30 Degree Bend, Deduct</i>	-131.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.14	
26 05 36 00-0244 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.39	217.58
<i>For 60 Degree Bend, Deduct</i>	-88.31	
<i>For 30 Degree Bend, Deduct</i>	-159.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.90	
26 05 36 00-0245 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.31	255.42
<i>For 60 Degree Bend, Deduct</i>	-96.88	
<i>For 30 Degree Bend, Deduct</i>	-175.66	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.74	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0247 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.26	91.83
<i>For 60 Degree Bend, Deduct</i>	-50.37	
<i>For 30 Degree Bend, Deduct</i>	-89.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.28	
26 05 36 00-0248 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	297.65	110.69
<i>For 60 Degree Bend, Deduct</i>	-55.78	
<i>For 30 Degree Bend, Deduct</i>	-99.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.54	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.87	127.83
			<i>For 60 Degree Bend, Deduct</i>	-63.16	
			<i>For 30 Degree Bend, Deduct</i>	-112.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.34	
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.38	163.22
			<i>For 60 Degree Bend, Deduct</i>	-70.20	
			<i>For 30 Degree Bend, Deduct</i>	-126.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.63	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	495.57	202.77
			<i>For 60 Degree Bend, Deduct</i>	-85.83	
			<i>For 30 Degree Bend, Deduct</i>	-154.31	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.66	
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.51	235.21
			<i>For 60 Degree Bend, Deduct</i>	-101.42	
			<i>For 30 Degree Bend, Deduct</i>	-182.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.45	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	682.61	280.03
			<i>For 60 Degree Bend, Deduct</i>	-117.94	
			<i>For 30 Degree Bend, Deduct</i>	-212.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.93	
26 05 36 00-0254			36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.43	94.77
			<i>For 60 Degree Bend, Deduct</i>	-66.13	
			<i>For 30 Degree Bend, Deduct</i>	-115.48	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.93	115.10
			<i>For 60 Degree Bend, Deduct</i>	-72.35	
			<i>For 30 Degree Bend, Deduct</i>	-126.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.70	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	387.19	133.59
			<i>For 60 Degree Bend, Deduct</i>	-76.57	
			<i>For 30 Degree Bend, Deduct</i>	-135.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.59	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	466.52	172.89
			<i>For 60 Degree Bend, Deduct</i>	-87.65	
			<i>For 30 Degree Bend, Deduct</i>	-155.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.24	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	551.25	217.58
			<i>For 60 Degree Bend, Deduct</i>	-98.49	
			<i>For 30 Degree Bend, Deduct</i>	-176.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.99	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	669.16	255.42
			<i>For 60 Degree Bend, Deduct</i>	-122.90	
			<i>For 30 Degree Bend, Deduct</i>	-219.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.63	
26 05 36 00-0261	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	786.18	309.17
			<i>For 60 Degree Bend, Deduct</i>	-140.91	
			<i>For 30 Degree Bend, Deduct</i>	-252.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.85	
26 05 36 00-0262			12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.99	122.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.50	
26 05 36 00-0264	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	379.34	139.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.28	
26 05 36 00-0265	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.80	154.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.00	
26 05 36 00-0266	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.61	189.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.57	
26 05 36 00-0267	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.96	217.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.56	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0268	EA			30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 585.57	244.89	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -38.15		
26 05 36 00-0269	EA			36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 649.91	279.54	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -41.70		
26 05 36 00-0270				24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271	EA			6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 414.93	127.71	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -30.85		
26 05 36 00-0272	EA			9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 451.87	146.93	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -32.94		
26 05 36 00-0273	EA			12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 487.30	163.22	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -35.13		
26 05 36 00-0274	EA			18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 564.57	202.77	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -39.56		
26 05 36 00-0275	EA			24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 630.15	235.21	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -43.42		
26 05 36 00-0276	EA			30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 696.27	266.93	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -47.38		
26 05 36 00-0277	EA			36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 797.89	309.17	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -54.02		
26 05 36 00-0278				36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279	EA			6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 495.16	133.47	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -38.39		
26 05 36 00-0280	EA			9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 540.22	154.65	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -41.14		
26 05 36 00-0281	EA			12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 574.09	172.89	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -43.00		
26 05 36 00-0282	EA			18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 671.52	217.58	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -49.02		
26 05 36 00-0283	EA			24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 737.87	255.42	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -52.50		
26 05 36 00-0284	EA			30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 844.61	293.86	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -59.97		
26 05 36 00-0285	EA			36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 953.23	345.29	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -66.55		
26 05 36 00-0286				12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287	EA			6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 621.65	235.21	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -42.57		
26 05 36 00-0288	EA			9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 672.59	255.42	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -45.97		
26 05 36 00-0289	EA			12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 705.48	266.93	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -48.30		
26 05 36 00-0290	EA			18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 788.04	293.86	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -54.32		
26 05 36 00-0291	EA			24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 893.40	326.19	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -62.15		
26 05 36 00-0292	EA			30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 994.74	345.91	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -70.65		
26 05 36 00-0293	EA			36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 1,125.80	391.58	
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -79.95		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0294		24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.72		255.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.28		
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.75		280.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.04		
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	880.61		293.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.57		
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	965.39		326.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.35		
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,071.62		367.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.55		
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,153.23		391.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.69		
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,395.07		452.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.81		
26 05 36 00-0302		36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,004.88		280.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.16		
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,074.16		309.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.65		
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,140.24		326.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.84		
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,253.32		367.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.72		
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,422.26		419.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.28		
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,542.48		452.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.55		
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,736.66		533.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.17		
26 05 36 00-0310		12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.52		217.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.22		
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.25		226.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.28		
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	789.64		235.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.37		
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	830.29		255.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.74		
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	856.33		266.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.39		
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	928.61		293.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.37		
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	999.68		326.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.78		
26 05 36 00-0318		24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>			
26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,098.18		235.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.22		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0320	EA			9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.67	244.89
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.06	
26 05 36 00-0321	EA			12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,152.55	255.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.97	
26 05 36 00-0322	EA			18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,214.00	280.03
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.07	
26 05 36 00-0323	EA			24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,257.72	293.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.28	
26 05 36 00-0324	EA			30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,332.22	326.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.04	
26 05 36 00-0325	EA			36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,435.02	367.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.89	
26 05 36 00-0326				36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327	EA			6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,745.65	255.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.28	
26 05 36 00-0328	EA			9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,781.98	266.93
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-155.95	
26 05 36 00-0329	EA			12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,820.82	280.03
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-158.75	
26 05 36 00-0330	EA			18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,886.67	309.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-162.90	
26 05 36 00-0331	EA			24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,932.18	326.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.03	
26 05 36 00-0332	EA			30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,052.12	367.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-174.60	
26 05 36 00-0333	EA			36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,155.92	419.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-180.65	
26 05 36 00-0334				12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335	EA			6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	774.33	293.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.94	
26 05 36 00-0336	EA			9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	813.60	309.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.59	
26 05 36 00-0337	EA			12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	869.40	326.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.75	
26 05 36 00-0338	EA			18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	933.03	345.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.48	
26 05 36 00-0339	EA			24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,050.38	391.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.40	
26 05 36 00-0340	EA			30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,175.42	419.38
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.60	
26 05 36 00-0341	EA			36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,285.36	452.43
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.84	
26 05 36 00-0342				24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0343	EA			6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,095.67	326.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.38	
26 05 36 00-0344	EA			9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,145.58	345.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.73	
26 05 36 00-0345	EA			12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,198.46	367.34
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.24	

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0346	EA		18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,276.64	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.03	
26 05 36 00-0347	EA		24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,419.06	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.21	
26 05 36 00-0348	EA		30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,525.96	489.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.78	
26 05 36 00-0349	EA		36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,712.66	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.77	
26 05 36 00-0350			36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351	EA		6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,383.59	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.75	
26 05 36 00-0352	EA		9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,458.35	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.20	
26 05 36 00-0353	EA		12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,538.82	419.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.94	
26 05 36 00-0354	EA		18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,679.62	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.26	
26 05 36 00-0355	EA		24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,918.36	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.34	
26 05 36 00-0356	EA		30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,092.19	586.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.32	
26 05 36 00-0357	EA		36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,289.28	653.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-174.46	
26 05 36 00-0358			12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359	EA		6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	902.38	293.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.75	
26 05 36 00-0360	EA		9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	947.99	309.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.02	
26 05 36 00-0361	EA		12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,015.87	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.41	
26 05 36 00-0362	EA		18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,093.69	346.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.53	
26 05 36 00-0363	EA		24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.33	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.30	
26 05 36 00-0364	EA		30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,390.18	419.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.06	
26 05 36 00-0365	EA		36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,523.56	451.82
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.70	
26 05 36 00-0366			24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367	EA		6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,344.05	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.22	
26 05 36 00-0368	EA		9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,401.68	345.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.34	
26 05 36 00-0369	EA		12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,462.27	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.62	
26 05 36 00-0370	EA		18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,557.42	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.11	
26 05 36 00-0371	EA		24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,718.36	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,845.31	489.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.72	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,082.92	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-163.80	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,730.71	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.46	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,820.89	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.45	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,916.79	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.74	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,096.16	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-171.92	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,381.18	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-193.63	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,593.59	586.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-210.46	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,829.24	653.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-228.46	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.61	122.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.23	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.28	139.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.37	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.38	154.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.45	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.04	189.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.51	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.96	217.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.56	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.99	244.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.69	
26 05 36 00-0390 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.62	279.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.04	
26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0392 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.57	127.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.21	
26 05 36 00-0393 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	436.10	146.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.38	
26 05 36 00-0394 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.66	163.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.46	
26 05 36 00-0395 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.14	202.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.32	
26 05 36 00-0396 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	621.93	235.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.60	
26 05 36 00-0397 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.91	266.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.24	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	812.46 -55.48	309.17
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	428.17 -31.69	133.47
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	474.58 -34.59	154.53
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	515.38 -37.13	172.89
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	622.67 -44.13	217.58
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	711.44 -49.86	255.42
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	832.61 -58.77	293.86
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	949.66 -66.20	345.29
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	218.30 -37.93 -68.16 -14.41	89.02
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	250.71 -41.83 -75.64 -16.18	106.77
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	279.78 -45.39 -82.45 -17.77	122.44
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	337.88 -52.19 -95.57 -20.89	154.77
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	418.76 -65.53 -119.75 -26.08	189.54
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	494.11 -79.64 -144.82 -31.28	217.58
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	562.88 -87.83 -160.57 -35.00	255.42
26 05 36 00-0415			24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0416	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	241.54 -44.52 -79.30 -16.51	91.83
26 05 36 00-0417	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	278.80 -49.56 -88.76 -18.65	110.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0418 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.73	127.83
<i>For 60 Degree Bend, Deduct</i>	-56.19	
<i>For 30 Degree Bend, Deduct</i>	-100.74	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.22	
26 05 36 00-0419 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.66	163.22
<i>For 60 Degree Bend, Deduct</i>	-63.03	
<i>For 30 Degree Bend, Deduct</i>	-114.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.46	
26 05 36 00-0420 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.29	202.77
<i>For 60 Degree Bend, Deduct</i>	-77.16	
<i>For 30 Degree Bend, Deduct</i>	-139.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.04	
26 05 36 00-0421 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.08	235.21
<i>For 60 Degree Bend, Deduct</i>	-91.05	
<i>For 30 Degree Bend, Deduct</i>	-164.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.31	
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	646.62	280.03
<i>For 60 Degree Bend, Deduct</i>	-106.06	
<i>For 30 Degree Bend, Deduct</i>	-192.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.33	
26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.00	94.77
<i>For 60 Degree Bend, Deduct</i>	-57.74	
<i>For 30 Degree Bend, Deduct</i>	-101.50	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.61	
26 05 36 00-0425 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	326.08	115.10
<i>For 60 Degree Bend, Deduct</i>	-63.49	
<i>For 30 Degree Bend, Deduct</i>	-112.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.02	
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	359.76	133.59
<i>For 60 Degree Bend, Deduct</i>	-67.52	
<i>For 30 Degree Bend, Deduct</i>	-119.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.84	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	436.81	172.89
<i>For 60 Degree Bend, Deduct</i>	-77.85	
<i>For 30 Degree Bend, Deduct</i>	-139.36	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.27	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	519.82	217.58
<i>For 60 Degree Bend, Deduct</i>	-88.12	
<i>For 30 Degree Bend, Deduct</i>	-158.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.85	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.59	255.42
<i>For 60 Degree Bend, Deduct</i>	-109.51	
<i>For 30 Degree Bend, Deduct</i>	-196.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.57	
26 05 36 00-0430 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	741.04	309.17
<i>For 60 Degree Bend, Deduct</i>	-126.02	
<i>For 30 Degree Bend, Deduct</i>	-227.20	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.34	
26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	328.35	122.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.63	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.27	139.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.37	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.09	154.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.03	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.04	189.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.51	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	505.54	217.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.42	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	562.42 -35.83	244.89
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	625.91 -39.30	279.54
26 05 36 00-0439			24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	388.57 -28.21	127.71
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	424.88 -30.24	146.93
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	459.23 -32.32	163.22
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	535.00 -36.61	202.77
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	599.08 -40.31	235.21
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	663.49 -44.10	266.93
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	761.04 -50.34	309.17
26 05 36 00-0447			36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	459.60 -34.84	133.47
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	503.37 -37.45	154.65
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	536.80 -39.27	172.89
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	631.24 -44.99	217.58
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	697.16 -48.43	255.42
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	798.33 -55.34	293.86
26 05 36 00-0454	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	903.95 -61.63	345.29
26 05 36 00-0455			12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456	EA		6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	583.36 -38.74	235.21
26 05 36 00-0457	EA		9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	631.45 -41.86	255.42
26 05 36 00-0458	EA		12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	662.06 -43.96	266.93
26 05 36 00-0459	EA		18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	738.33 -49.34	293.86
26 05 36 00-0460	EA		24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	835.12 -56.33	326.19
26 05 36 00-0461	EA		30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	925.03 -63.68	345.91
26 05 36 00-0462	EA		36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,046.95 -72.06	391.58



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0463		24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	725.73	255.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.29	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	780.89	280.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.76	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	815.47	293.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.06	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.11	326.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.33	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	995.05	367.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.89	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,069.80	391.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.35	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,288.22	452.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.12	
26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	915.17	280.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.19	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	981.02	309.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.34	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,040.82	326.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.90	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,146.47	367.34
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.04	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,301.69	419.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.23	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,411.07	452.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.41	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,595.52	533.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.06	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	688.38	217.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.70	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	705.54	226.15
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.70	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	723.35	235.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.74	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	762.87	255.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.00	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	787.76	266.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.53	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	855.47	293.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.06	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	923.68	326.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.18	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	980.48	235.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.45	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0489	EA		9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,005.25	244.89
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.12	
26 05 36 00-0490	EA		12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,031.42	255.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.85	
26 05 36 00-0491	EA		18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,089.44	280.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.61	
26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,129.73	293.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.48	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,200.81	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.90	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,297.88	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.18	
26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,525.67	255.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.28	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,559.13	266.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.67	
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,595.12	280.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.18	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,658.11	309.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.04	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,700.77	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.89	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,812.13	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-150.60	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,913.08	419.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.36	
26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	726.91	293.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.20	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	763.89	309.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.62	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	815.12	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.33	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	873.60	345.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.54	
26 05 36 00-0508	EA		24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	984.09	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.77	
26 05 36 00-0509	EA		30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,095.99	419.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.66	
26 05 36 00-0510	EA		36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,196.79	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.98	
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0512	EA		6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.68	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.18	
26 05 36 00-0513	EA		9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,050.73	345.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.25	
26 05 36 00-0514	EA		12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,100.76	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,172.65 -84.63	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,308.22 -93.12	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,407.69 -99.95	489.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,575.52 -113.06	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,255.03 -94.89	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,324.07 -99.77	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,398.83 -104.94	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,525.34 -114.84	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,746.94 -130.20	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,906.49 -141.75	586.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,089.30 -154.46	653.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	833.61 -58.87	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.91 -61.82	309.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	937.16 -66.54	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,007.53 -71.92	346.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,133.23 -80.69	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,275.02 -92.54	419.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,395.14 -101.86	451.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,210.66 -93.88	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,264.14 -97.59	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,320.60 -101.45	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,406.64 -108.03	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,557.63 -118.06	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		

26 Electrical
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0541	EA		30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,673.81	489.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.57	
26 05 36 00-0542	EA		36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,884.07	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.91	
26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0544	EA		6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,544.30	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.82	
26 05 36 00-0545	EA		9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,626.19	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.98	
26 05 36 00-0546	EA		12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,713.81	419.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.44	
26 05 36 00-0547	EA		18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,872.46	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.55	
26 05 36 00-0548	EA		24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,132.63	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-168.77	
26 05 36 00-0549	EA		30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,324.32	586.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-183.53	
26 05 36 00-0550	EA		36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,539.26	653.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-199.46	
26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)					
26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0553	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	288.31	122.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.60	
26 05 36 00-0554	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	323.48	139.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.69	
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	355.98	154.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.71	
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	443.44	189.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.55	
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	506.17	217.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.48	
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	596.79	244.89
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.27	
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.02	279.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.38	
26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	385.57	127.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.91	
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	422.71	146.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.04	
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	456.76	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.07	
26 05 36 00-0564	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	537.14	202.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.82	
26 05 36 00-0565	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	605.83	235.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.99	
26 05 36 00-0566	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	677.41	266.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36 00-0567	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	791.66 -53.40	309.17
26 05 36 00-0568				36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
	26 05 36 00-0569	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	413.77 -30.25	133.47
	26 05 36 00-0570	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	459.38 -33.07	154.53
	26 05 36 00-0571	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	499.48 -35.54	172.89
	26 05 36 00-0572	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	604.47 -42.31	217.58
	26 05 36 00-0573	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	691.45 -47.86	255.42
	26 05 36 00-0574	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	808.61 -56.37	293.86
	26 05 36 00-0575	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	923.46 -63.58	345.29
26 05 36 00-0576				12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
	26 05 36 00-0577	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	213.41 -36.31 -65.47 -13.93	89.02
	26 05 36 00-0578	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	245.61 -40.14 -72.83 -15.67	106.77
	26 05 36 00-0579	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	274.48 -43.64 -79.54 -17.24	122.44
	26 05 36 00-0580	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	332.28 -50.34 -92.49 -20.33	154.77
	26 05 36 00-0581	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	411.56 -63.16 -115.79 -25.36	189.54
	26 05 36 00-0582	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	484.91 -76.60 -139.76 -30.36	217.58
	26 05 36 00-0583	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	553.28 -84.66 -155.29 -34.04	255.42
26 05 36 00-0584				24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
	26 05 36 00-0585	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	235.35 -42.48 -75.90 -15.89	91.83
	26 05 36 00-0586	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	272.20 -47.39 -85.13 -17.99	110.69

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0587	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	311.33 -53.74 -96.67 -20.48	127.83
26 05 36 00-0588	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	373.06 -60.53 -109.95 -23.70	163.22
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	460.09 -74.12 -134.80 -29.12	202.77
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	538.08 -87.42 -158.76 -34.21	235.21
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	634.02 -101.90 -185.39 -40.07	280.03
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	276.10 -54.80 -96.60 -19.72	94.77
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	316.68 -60.39 -107.04 -22.08	115.10
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	350.16 -64.35 -114.67 -23.88	133.59
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	426.41 -74.42 -133.64 -28.23	172.89
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	508.82 -84.49 -152.91 -32.75	217.58
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	614.39 -104.83 -188.90 -40.15	255.42
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	725.24 -120.80 -218.51 -46.76	309.17
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	319.65 -21.76	122.44
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	351.37 -23.48	139.83
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	379.89 -25.11	154.65
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	443.44 -28.55	189.54
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	495.54 -31.42	217.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0606	EA			30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 551.63	551.63	244.89
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -34.76	-34.76	
26 05 36 00-0607	EA			36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 614.71	614.71	279.54
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -38.18	-38.18	
26 05 36 00-0608				24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0609	EA			6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 376.27	376.27	127.71
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -26.98	-26.98	
26 05 36 00-0610	EA			9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 412.28	412.28	146.93
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -28.98	-28.98	
26 05 36 00-0611	EA			12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 446.13	446.13	163.22
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -31.01	-31.01	
26 05 36 00-0612	EA			18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 521.20	521.20	202.77
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -35.23	-35.23	
26 05 36 00-0613	EA			24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 584.58	584.58	235.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -38.86	-38.86	
26 05 36 00-0614	EA			30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 648.19	648.19	266.93
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -42.57	-42.57	
26 05 36 00-0615	EA			36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 743.84	743.84	309.17
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -48.62	-48.62	
26 05 36 00-0616				36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617	EA			6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 443.00	443.00	133.47
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -33.18	-33.18	
26 05 36 00-0618	EA			9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 486.17	486.17	154.65
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -35.73	-35.73	
26 05 36 00-0619	EA			12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 519.40	519.40	172.89
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -37.53	-37.53	
26 05 36 00-0620	EA			18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 612.44	612.44	217.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -43.11	-43.11	
26 05 36 00-0621	EA			24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 678.16	678.16	255.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -46.53	-46.53	
26 05 36 00-0622	EA			30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 776.73	776.73	293.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -53.18	-53.18	
26 05 36 00-0623	EA			36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 880.95	880.95	345.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -59.33	-59.33	
26 05 36 00-0624				12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625	EA			6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 564.22	564.22	235.21
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -36.82	-36.82	
26 05 36 00-0626	EA			9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 610.88	610.88	255.42
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -39.80	-39.80	
26 05 36 00-0627	EA			12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 640.34	640.34	266.93
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -41.79	-41.79	
26 05 36 00-0628	EA			18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 713.48	713.48	293.86
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -46.86	-46.86	
26 05 36 00-0629	EA			24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 805.98	805.98	326.19
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -53.41	-53.41	
26 05 36 00-0630	EA			30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 890.17	890.17	345.91
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -60.19	-60.19	
26 05 36 00-0631	EA			36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting 1,007.52	1,007.52	391.58
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> -68.12	-68.12	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0632		24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	695.73	255.42	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.29		
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	749.47	280.03	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.62		
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	782.90	293.86	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.80		
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	859.97	326.19	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.81		
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.77	367.34	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.07		
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.09	391.58	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.17		
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,234.79	452.43	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.78		
26 05 36 00-0640		36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	870.31	280.03	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.70		
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	934.45	309.17	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.68		
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	991.11	326.19	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.93		
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,093.04	367.34	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.69		
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,241.41	419.38	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.20		
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,345.36	452.43	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.84		
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,524.96	533.86	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.00		
26 05 36 00-0648		12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	655.81	217.58	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.45		
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	672.68	226.15	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.42		
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.21	235.21	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.42		
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	729.16	255.42	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.63		
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.48	266.93	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.10		
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	818.90	293.86	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.40		
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	885.69	326.19	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.38		
26 05 36 00-0656		24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.63	235.21	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.57		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	945.54	244.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.15	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.85	255.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.80	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,027.16	280.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.38	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.74	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.09	
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,135.10	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.32	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,229.32	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.32	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,415.68	255.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.28	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,447.71	266.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.52	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,482.27	280.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.90	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,543.84	309.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.62	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,585.06	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.32	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,692.14	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.60	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,791.66	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.22	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	703.19	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.83	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	739.04	309.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.14	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	787.98	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.61	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.89	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.57	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	950.95	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.46	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.28	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.68	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,152.51	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.55	
26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681 EA 6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	957.68	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.58	
26 05 36 00-0682 EA 9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.31	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.51	
26 05 36 00-0683 EA 12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,051.90	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.58	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0684	EA		18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,120.66	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.43	
26 05 36 00-0685	EA		24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,252.79	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.58	
26 05 36 00-0686	EA		30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,348.55	489.78
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.04	
26 05 36 00-0687	EA		36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,506.96	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.20	
26 05 36 00-0688			36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689	EA		6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,190.75	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.46	
26 05 36 00-0690	EA		9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,256.93	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.06	
26 05 36 00-0691	EA		12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,328.83	419.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.94	
26 05 36 00-0692	EA		18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,448.21	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.12	
26 05 36 00-0693	EA		24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,661.23	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.63	
26 05 36 00-0694	EA		30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,813.64	586.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-132.46	
26 05 36 00-0695	EA		36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,989.30	653.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-144.46	
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.23	293.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.43	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	839.87	309.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.21	
26 05 36 00-0699	EA		12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	897.81	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.60	
26 05 36 00-0700	EA		18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	964.44	346.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.61	
26 05 36 00-0701	EA		24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,085.17	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.88	
26 05 36 00-0702	EA		30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,217.43	419.50
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.78	
26 05 36 00-0703	EA		36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,330.93	451.82
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.44	
26 05 36 00-0704			24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0705	EA		6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,143.97	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.21	
26 05 36 00-0706	EA		9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,195.38	345.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.71	
26 05 36 00-0707	EA		12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,249.76	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.37	
26 05 36 00-0708	EA		18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,331.24	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.49	
26 05 36 00-0709	EA		24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,477.26	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0710 EA 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,588.06	489.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.99	
26 05 36 00-0711 EA 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,784.65	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.97	
26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713 EA 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,451.09	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.50	
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,528.84	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-120.25	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,612.31	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.29	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,760.61	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-138.36	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,008.35	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.34	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,189.69	586.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.07	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,394.28	653.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-184.96	
26 05 36 00-0720 Dropout Or End Plates And Reducers <small>(26 05 36 00-0002)</small>		
26 05 36 00-0721 Straight Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722 EA 9" To 6" Reducer, Steel Cable Tray.....	282.06	90.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.67	
26 05 36 00-0723 EA 12" To 9" Reducer, Steel Cable Tray.....	297.37	97.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.58	
26 05 36 00-0724 EA 18" To 12" Reducer, Steel Cable Tray.....	322.54	112.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.84	
26 05 36 00-0725 EA 24" To 18" Reducer, Steel Cable Tray.....	354.84	130.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.60	
26 05 36 00-0726 EA 30" To 24" Reducer, Steel Cable Tray.....	384.88	146.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.24	
26 05 36 00-0727 EA 36" To 30" Reducer, Steel Cable Tray.....	436.94	167.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.70	
26 05 36 00-0728 Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18" To 6" Reducer, Steel Cable Tray.....	328.37	113.02
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.42	
26 05 36 00-0730 EA 24" To 12" Reducer, Steel Cable Tray.....	360.88	130.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.19	
26 05 36 00-0731 EA 30" To 12" Reducer, Steel Cable Tray.....	396.11	146.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.38	
26 05 36 00-0732 EA 30" To 18" Reducer, Steel Cable Tray.....	401.63	146.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.94	
26 05 36 00-0733 EA 36" To 12" Reducer, Steel Cable Tray.....	439.80	167.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.99	
26 05 36 00-0734 EA 36" To 18" Reducer, Steel Cable Tray.....	452.86	172.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.93	
26 05 36 00-0735 EA 36" To 24" Reducer, Steel Cable Tray.....	467.75	177.79
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.96	
26 05 36 00-0736 Dropout Or End Plate <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	75.93	36.73
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	87.20	42.00
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	94.17	45.18
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	111.15	53.39
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	124.81	58.77
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	138.29	65.26
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	156.15	73.47
26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray <small>(26 05 36 00-0001)</small> Note: 4-5/8" Height		
26 05 36 00-0745 Straight Tray Sections <small>(26 05 36 00-0744)</small>		
26 05 36 00-0746 4" Rung Spacing <small>(26 05 36 00-0745)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0747 LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	132.29	8.57
For Class 12C Instead Of Class 12B, Add	18.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.51	
For 6" Overall Height Instead Of 4-5/8", Add	6.61	
26 05 36 00-0748 LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	139.91	9.06
For Class 12C Instead Of Class 12B, Add	19.48	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.24	
For 6" Overall Height Instead Of 4-5/8", Add	7.00	
26 05 36 00-0749 LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	147.52	9.43
For Class 12C Instead Of Class 12B, Add	20.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.96	
For 6" Overall Height Instead Of 4-5/8", Add	7.38	
26 05 36 00-0750 LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	163.95	10.28
For Class 12C Instead Of Class 12B, Add	22.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.53	
For 6" Overall Height Instead Of 4-5/8", Add	8.20	
26 05 36 00-0751 LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	189.72	11.02
For Class 12C Instead Of Class 12B, Add	26.63	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.06	
For 6" Overall Height Instead Of 4-5/8", Add	9.49	
26 05 36 00-0752 LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	208.23	11.76
For Class 12C Instead Of Class 12B, Add	29.28	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.85	
For 6" Overall Height Instead Of 4-5/8", Add	10.41	
26 05 36 00-0753 LF 36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	224.53	12.49
For Class 12C Instead Of Class 12B, Add	31.59	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.41	
For 6" Overall Height Instead Of 4-5/8", Add	11.23	
26 05 36 00-0754 6" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0755 LF 6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	121.56	8.57
For Class 12C Instead Of Class 12B, Add	16.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.44	
For 6" Overall Height Instead Of 4-5/8", Add	6.08	
26 05 36 00-0756 LF 9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	128.56	9.06
For Class 12C Instead Of Class 12B, Add	17.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.10	
For 6" Overall Height Instead Of 4-5/8", Add	6.43	
26 05 36 00-0757 LF 12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	135.54	9.43
For Class 12C Instead Of Class 12B, Add	18.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.77	
For 6" Overall Height Instead Of 4-5/8", Add	6.78	
26 05 36 00-0758 LF 18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	150.62	10.28
For Class 12C Instead Of Class 12B, Add	20.87	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.20	
For 6" Overall Height Instead Of 4-5/8", Add	7.53	
26 05 36 00-0759 LF 24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	174.14	11.02
For Class 12C Instead Of Class 12B, Add	24.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.50	
For 6" Overall Height Instead Of 4-5/8", Add	8.71	
26 05 36 00-0760 LF 30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	191.08	11.76
For Class 12C Instead Of Class 12B, Add	26.71	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.13	
For 6" Overall Height Instead Of 4-5/8", Add	9.55	
26 05 36 00-0761 LF 36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	206.02	12.49
For Class 12C Instead Of Class 12B, Add	28.82	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.56	
For 6" Overall Height Instead Of 4-5/8", Add	10.30	
26 05 36 00-0762 9" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0763 LF 6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	107.89	8.21
For Class 12C Instead Of Class 12B, Add	14.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.10	
For 6" Overall Height Instead Of 4-5/8", Add	5.39	
26 05 36 00-0764 LF 9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	109.01	8.57
For Class 12C Instead Of Class 12B, Add	14.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.18	
For 6" Overall Height Instead Of 4-5/8", Add	5.45	
26 05 36 00-0765 LF 12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	117.02	9.06
For Class 12C Instead Of Class 12B, Add	16.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.95	
For 6" Overall Height Instead Of 4-5/8", Add	5.85	
26 05 36 00-0766 LF 18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	124.91	9.67
For Class 12C Instead Of Class 12B, Add	17.12	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.69	
For 6" Overall Height Instead Of 4-5/8", Add	6.25	
26 05 36 00-0767 LF 24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	142.22	10.04
For Class 12C Instead Of Class 12B, Add	19.66	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.39	
For 6" Overall Height Instead Of 4-5/8", Add	7.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0768 LF 30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	157.71	10.78
<i>For Class 12C Instead Of Class 12B, Add</i>	21.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.87	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.89	
26 05 36 00-0769 LF 36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	167.13	11.76
<i>For Class 12C Instead Of Class 12B, Add</i>	23.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.36	
26 05 36 00-0770 12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771 LF 6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	105.83	7.96
<i>For Class 12C Instead Of Class 12B, Add</i>	14.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.29	
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	106.84	8.21
<i>For Class 12C Instead Of Class 12B, Add</i>	14.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.34	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	110.78	8.69
<i>For Class 12C Instead Of Class 12B, Add</i>	15.16	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.54	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	117.38	9.18
<i>For Class 12C Instead Of Class 12B, Add</i>	16.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.87	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	129.11	9.31
<i>For Class 12C Instead Of Class 12B, Add</i>	17.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.46	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	138.44	10.28
<i>For Class 12C Instead Of Class 12B, Add</i>	19.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.99	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.92	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	146.15	11.15
<i>For Class 12C Instead Of Class 12B, Add</i>	20.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.31	
26 05 36 00-0778 18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	104.95	7.72
<i>For Class 12C Instead Of Class 12B, Add</i>	14.45	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.25	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	104.38	8.08
<i>For Class 12C Instead Of Class 12B, Add</i>	14.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.22	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	110.17	8.33
<i>For Class 12C Instead Of Class 12B, Add</i>	15.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.51	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	116.12	8.82
<i>For Class 12C Instead Of Class 12B, Add</i>	15.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	5.81	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	124.20	8.94
<i>For Class 12C Instead Of Class 12B, Add</i>	17.14	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.21	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	129.20	9.79
<i>For Class 12C Instead Of Class 12B, Add</i>	17.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.46	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	136.00	10.66
<i>For Class 12C Instead Of Class 12B, Add</i>	18.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.80	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	348.84	122.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.44	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	381.01	139.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.05	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	432.92	154.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.65	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0791	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	513.07 -35.51 25.65	189.54
26 05 36 00-0792	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	607.31 -42.60 30.37	217.58
26 05 36 00-0793	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	667.37 -46.33 33.37	244.89
26 05 36 00-0794	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	780.48 -54.72 39.02	279.91
26 05 36 00-0795			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0796	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	468.44 -36.20 23.42	127.71
26 05 36 00-0797	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	511.22 -38.89 25.56	146.81
26 05 36 00-0798	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	551.40 -41.54 27.57	163.22
26 05 36 00-0799	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	640.91 -47.20 32.05	202.77
26 05 36 00-0800	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	724.19 -52.82 36.21	235.21
26 05 36 00-0801	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	808.21 -58.57 40.41	266.93
26 05 36 00-0802	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	924.26 -66.66 46.21	309.17
26 05 36 00-0803			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0804	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	503.60 -39.24 25.18	133.47
26 05 36 00-0805	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	545.88 -41.72 27.29	154.53
26 05 36 00-0806	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	609.54 -46.54 30.48	172.89
26 05 36 00-0807	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	724.14 -54.28 36.21	217.58
26 05 36 00-0808	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	834.67 -62.18 41.73	255.42
26 05 36 00-0809	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	938.86 -69.40 46.94	293.86
26 05 36 00-0810	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,090.20 -80.25 54.51	345.29
26 05 36 00-0811			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0812	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	243.24 -46.16 -81.87 -16.91 12.16	89.02
26 05 36 00-0813	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	276.44 -50.32 -89.79 -18.75 13.82	106.77
26 05 36 00-0814	EA		12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	306.30 -54.14 -97.04 -20.43 15.32	122.44
26 05 36 00-0815	EA		18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	378.37 -65.55 -117.84 -24.94 18.92	154.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	465.60	189.54
<i>For 60 Degree Bend, Deduct</i>	-80.99	
<i>For 30 Degree Bend, Deduct</i>	-145.51	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.76	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.28	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	534.29	217.58
<i>For 60 Degree Bend, Deduct</i>	-92.90	
<i>For 30 Degree Bend, Deduct</i>	-166.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.71	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	604.65	255.42
<i>For 60 Degree Bend, Deduct</i>	-101.61	
<i>For 30 Degree Bend, Deduct</i>	-183.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.23	
26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	280.77	91.83
<i>For 60 Degree Bend, Deduct</i>	-57.47	
<i>For 30 Degree Bend, Deduct</i>	-100.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.04	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	326.91	110.69
<i>For 60 Degree Bend, Deduct</i>	-65.44	
<i>For 30 Degree Bend, Deduct</i>	-115.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.35	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	359.06	127.83
<i>For 60 Degree Bend, Deduct</i>	-69.50	
<i>For 30 Degree Bend, Deduct</i>	-122.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.95	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	429.09	163.22
<i>For 60 Degree Bend, Deduct</i>	-79.02	
<i>For 30 Degree Bend, Deduct</i>	-140.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.30	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.45	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	520.42	202.77
<i>For 60 Degree Bend, Deduct</i>	-94.03	
<i>For 30 Degree Bend, Deduct</i>	-167.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.02	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	611.01	235.21
<i>For 60 Degree Bend, Deduct</i>	-111.48	
<i>For 30 Degree Bend, Deduct</i>	-198.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.55	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	696.65	280.03
<i>For 60 Degree Bend, Deduct</i>	-122.57	
<i>For 30 Degree Bend, Deduct</i>	-219.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.33	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.83	
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	329.47	94.77
<i>For 60 Degree Bend, Deduct</i>	-72.42	
<i>For 30 Degree Bend, Deduct</i>	-125.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.47	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	367.05	115.10
<i>For 60 Degree Bend, Deduct</i>	-77.01	
<i>For 30 Degree Bend, Deduct</i>	-134.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.35	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	401.53	133.59
<i>For 60 Degree Bend, Deduct</i>	-81.30	
<i>For 30 Degree Bend, Deduct</i>	-142.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.08	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	485.41	172.89
<i>For 60 Degree Bend, Deduct</i>	-93.89	
<i>For 30 Degree Bend, Deduct</i>	-166.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.27	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	603.66	217.58
<i>For 60 Degree Bend, Deduct</i>	-115.79	
<i>For 30 Degree Bend, Deduct</i>	-205.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.18	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	681.32	255.42
<i>For 60 Degree Bend, Deduct</i>	-126.91	
<i>For 30 Degree Bend, Deduct</i>	-225.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.07	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0834	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	796.47	309.17
			<i>For 60 Degree Bend, Deduct</i>	-144.31	
			<i>For 30 Degree Bend, Deduct</i>	-257.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.82	
26 05 36 00-0835			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	383.36	122.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.17	
26 05 36 00-0837	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.21	139.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.11	
26 05 36 00-0838	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	450.00	154.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.50	
26 05 36 00-0839	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	514.76	189.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.74	
26 05 36 00-0840	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	571.32	217.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.57	
26 05 36 00-0841	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	626.56	244.89
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.33	
26 05 36 00-0842	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.85	279.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.54	
26 05 36 00-0843			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	406.83	127.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.34	
26 05 36 00-0845	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	447.00	146.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.35	
26 05 36 00-0846	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	479.10	163.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.96	
26 05 36 00-0847	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	556.28	202.77
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.81	
26 05 36 00-0848	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	623.40	235.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.17	
26 05 36 00-0849	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	689.42	266.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.47	
26 05 36 00-0850	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	776.13	309.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.81	
26 05 36 00-0851			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	522.38	133.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.12	
26 05 36 00-0853	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	564.10	154.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.21	
26 05 36 00-0854	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	614.24	172.89
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.71	
26 05 36 00-0855	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	701.71	217.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.09	
26 05 36 00-0856	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	777.81	255.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.89	
26 05 36 00-0857	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	867.92	293.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.40	
26 05 36 00-0858	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	969.84	345.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.49	
26 05 36 00-0859			12" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860	EA		6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	598.76	235.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.28	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	646.12	255.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.32	
For 6" Overall Height Instead Of 4-5/8", Add	32.31	
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	668.69	266.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.62	
For 6" Overall Height Instead Of 4-5/8", Add	33.43	
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	757.61	293.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.27	
For 6" Overall Height Instead Of 4-5/8", Add	37.88	
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	838.66	326.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.68	
For 6" Overall Height Instead Of 4-5/8", Add	41.93	
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	918.90	345.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.07	
For 6" Overall Height Instead Of 4-5/8", Add	45.95	
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,062.91	391.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.66	
For 6" Overall Height Instead Of 4-5/8", Add	53.15	
26 05 36 00-0867 24" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	778.34	255.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.55	
For 6" Overall Height Instead Of 4-5/8", Add	38.92	
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	839.56	280.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.62	
For 6" Overall Height Instead Of 4-5/8", Add	41.98	
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	872.88	293.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.80	
For 6" Overall Height Instead Of 4-5/8", Add	43.64	
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	960.71	326.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.89	
For 6" Overall Height Instead Of 4-5/8", Add	48.04	
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,066.51	367.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.04	
For 6" Overall Height Instead Of 4-5/8", Add	53.33	
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,151.06	391.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.47	
For 6" Overall Height Instead Of 4-5/8", Add	57.55	
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,516.78	452.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-113.98	
For 6" Overall Height Instead Of 4-5/8", Add	75.84	
26 05 36 00-0875 36" Radius Horizontal Tees (26 05 36 00-0786)		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	965.00	280.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.17	
For 6" Overall Height Instead Of 4-5/8", Add	48.25	
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,027.27	309.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.96	
For 6" Overall Height Instead Of 4-5/8", Add	51.36	
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,103.10	326.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.12	
For 6" Overall Height Instead Of 4-5/8", Add	55.16	
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,202.12	367.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.60	
For 6" Overall Height Instead Of 4-5/8", Add	60.11	
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,349.81	419.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-100.04	
For 6" Overall Height Instead Of 4-5/8", Add	67.49	
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,577.80	452.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-120.08	
For 6" Overall Height Instead Of 4-5/8", Add	78.89	
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,805.23	533.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-136.03	
For 6" Overall Height Instead Of 4-5/8", Add	90.26	
26 05 36 00-0883 12" Radius Vertical Tees (26 05 36 00-0786)		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	827.15	217.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.58	
For 6" Overall Height Instead Of 4-5/8", Add	41.36	
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	855.02	226.15
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.65	
For 6" Overall Height Instead Of 4-5/8", Add	42.75	
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	873.37	235.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.74	
For 6" Overall Height Instead Of 4-5/8", Add	43.67	
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	917.34	255.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.45	
For 6" Overall Height Instead Of 4-5/8", Add	45.87	
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	977.20	266.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.47	
For 6" Overall Height Instead Of 4-5/8", Add	48.86	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0889	EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,032.22 -78.73 51.61	293.86
26 05 36 00-0890	EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,103.10 -83.12 55.16	326.19
26 05 36 00-0891	24" Radius Vertical Tees (26 05 36 00-0786)		
26 05 36 00-0892	EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,178.49 -98.25 58.92	235.21
26 05 36 00-0893	EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,204.86 -100.08 60.24	244.89
26 05 36 00-0894	EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,232.63 -101.98 61.63	255.42
26 05 36 00-0895	EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,297.24 -106.39 64.86	280.03
26 05 36 00-0896	EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,340.73 -109.58 67.04	293.86
26 05 36 00-0897	EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,415.00 -114.31 70.75	326.19
26 05 36 00-0898	EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,561.49 -125.54 78.07	367.34
26 05 36 00-0899	36" Radius Vertical Tee (26 05 36 00-0786)		
26 05 36 00-0900	EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,922.04 -170.92 96.10	255.42
26 05 36 00-0901	EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,960.64 -173.82 98.03	266.93
26 05 36 00-0902	EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,001.77 -176.85 100.09	280.03
26 05 36 00-0903	EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,069.94 -181.23 103.50	309.17
26 05 36 00-0904	EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,117.74 -184.59 105.89	326.19
26 05 36 00-0905	EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,244.52 -193.84 112.23	367.34
26 05 36 00-0906	EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,350.61 -200.12 117.53	419.38
26 05 36 00-0907	12" Radius Horizontal Crosses (26 05 36 00-0786)		
26 05 36 00-0908	EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	777.95 -53.31 38.90	293.86
26 05 36 00-0909	EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	834.02 -57.64 41.70	309.17
26 05 36 00-0910	EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	865.78 -59.39 43.29	326.19
26 05 36 00-0911	EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	966.36 -67.81 48.32	345.91
26 05 36 00-0912	EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,056.13 -72.98 52.81	391.58
26 05 36 00-0913	EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,173.52 -82.41 58.68	419.38
26 05 36 00-0914	EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,347.26 -97.03 67.36	452.43
26 05 36 00-0915	24" Radius Horizontal Crosses (26 05 36 00-0786)		
26 05 36 00-0916	EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,096.32 -82.45 54.82	326.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,146.04	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.30	
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,198.73	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.94	
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,269.72	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.49	
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,425.24	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	71.26	
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,603.67	489.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	80.18	
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,777.51	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	88.88	
26 05 36 00-0923 36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,263.15	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.16	
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,395.49	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.77	
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,486.25	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	74.31	
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,520.17	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	76.01	
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,839.13	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	91.96	
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,028.97	586.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	101.45	
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,259.01	653.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-171.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	112.95	
26 05 36 00-0931 12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	777.95	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.31	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.90	
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	834.19	309.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.71	
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	865.69	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.39	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.28	
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	966.58	346.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.33	
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,056.13	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.81	
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,173.84	419.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.69	
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,346.33	451.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	67.32	
26 05 36 00-0939 24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,096.32	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	54.82	
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,146.04	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.30	
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,198.73	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.94	
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,269.72	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.49	
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,425.24	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	71.26	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0945	EA		30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,535.03 -12.69 76.75	489.78
26 05 36 00-0946	EA		36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,700.13 -125.52 85.01	533.86
26 05 36 00-0947			36" Radius Vertical Crosses (26 05 36 00-0786)		
26 05 36 00-0948	EA		6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,556.07 -125.00 77.80	367.34
26 05 36 00-0949	EA		9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,635.86 -130.95 81.79	391.58
26 05 36 00-0950	EA		12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,741.04 -139.16 87.05	419.38
26 05 36 00-0951	EA		18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,864.96 -148.80 93.25	452.43
26 05 36 00-0952	EA		24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,266.30 -182.14 113.32	533.86
26 05 36 00-0953	EA		30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,501.91 -201.29 125.10	586.76
26 05 36 00-0954	EA		36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,785.34 -224.07 139.27	653.62
26 05 36 00-0955			6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	328.23 -22.59 16.41	122.81
26 05 36 00-0958	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	359.88 -24.33 17.99	139.83
26 05 36 00-0959	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	407.88 -27.90 20.39	154.65
26 05 36 00-0960	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	484.90 -32.69 24.25	189.54
26 05 36 00-0961	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	572.36 -39.10 28.62	217.58
26 05 36 00-0962	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	630.34 -42.63 31.52	244.89
26 05 36 00-0963	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	735.62 -50.24 36.78	279.91
26 05 36 00-0964			90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0965	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	431.93 -32.55 21.60	127.71
26 05 36 00-0966	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	473.14 -35.08 23.66	146.81
26 05 36 00-0967	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	511.50 -37.55 25.58	163.22
26 05 36 00-0968	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	597.62 -42.87 29.88	202.77
26 05 36 00-0969	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	676.73 -48.08 33.84	235.21
26 05 36 00-0970	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	756.31 -53.38 37.82	266.93
26 05 36 00-0971	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	865.84 -60.82 43.29	309.17
26 05 36 00-0972			90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	463.44	133.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.17	
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	504.68	154.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.23	
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	563.64	172.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.18	
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	672.51	217.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.63	
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	776.25	255.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.81	
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	874.70	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.74	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,016.65	345.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.83	
26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	229.68	89.02
<i>For 60 Degree Bend, Deduct</i>	-41.68	
<i>For 30 Degree Bend, Deduct</i>	-74.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.48	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	262.36	106.77
<i>For 60 Degree Bend, Deduct</i>	-45.67	
<i>For 30 Degree Bend, Deduct</i>	-82.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.12	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	291.69	122.44
<i>For 60 Degree Bend, Deduct</i>	-49.32	
<i>For 30 Degree Bend, Deduct</i>	-89.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.58	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	361.16	154.77
<i>For 60 Degree Bend, Deduct</i>	-59.87	
<i>For 30 Degree Bend, Deduct</i>	-108.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.06	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	444.22	189.54
<i>For 60 Degree Bend, Deduct</i>	-73.93	
<i>For 30 Degree Bend, Deduct</i>	-133.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.63	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.21	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	509.77	217.58
<i>For 60 Degree Bend, Deduct</i>	-84.81	
<i>For 30 Degree Bend, Deduct</i>	-153.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.49	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	579.09	255.42
<i>For 60 Degree Bend, Deduct</i>	-93.18	
<i>For 30 Degree Bend, Deduct</i>	-169.49	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.95	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	262.51	91.83
<i>For 60 Degree Bend, Deduct</i>	-51.44	
<i>For 30 Degree Bend, Deduct</i>	-90.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.13	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	306.57	110.69
<i>For 60 Degree Bend, Deduct</i>	-58.73	
<i>For 30 Degree Bend, Deduct</i>	-104.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.33	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	338.20	127.83
<i>For 60 Degree Bend, Deduct</i>	-62.61	
<i>For 30 Degree Bend, Deduct</i>	-111.45	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.91	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	406.67	163.22
<i>For 60 Degree Bend, Deduct</i>	-71.62	
<i>For 30 Degree Bend, Deduct</i>	-128.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.33	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0993	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	494.34	202.77
			<i>For 60 Degree Bend, Deduct</i>	-85.42	
			<i>For 30 Degree Bend, Deduct</i>	-153.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.54	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.72	
26 05 36 00-0994	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	579.72	235.21
			<i>For 60 Degree Bend, Deduct</i>	-101.16	
			<i>For 30 Degree Bend, Deduct</i>	-181.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.99	
26 05 36 00-0995	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	663.79	280.03
			<i>For 60 Degree Bend, Deduct</i>	-111.73	
			<i>For 30 Degree Bend, Deduct</i>	-201.76	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.19	
26 05 36 00-0996			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0995)</small>		
26 05 36 00-0997	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	304.95	94.77
			<i>For 60 Degree Bend, Deduct</i>	-64.32	
			<i>For 30 Degree Bend, Deduct</i>	-112.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.60	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.25	
26 05 36 00-0998	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	342.01	115.10
			<i>For 60 Degree Bend, Deduct</i>	-68.75	
			<i>For 30 Degree Bend, Deduct</i>	-120.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.10	
26 05 36 00-0999	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	375.97	133.59
			<i>For 60 Degree Bend, Deduct</i>	-72.87	
			<i>For 30 Degree Bend, Deduct</i>	-128.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.80	
26 05 36 00-1000	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	457.24	172.89
			<i>For 60 Degree Bend, Deduct</i>	-84.59	
			<i>For 30 Degree Bend, Deduct</i>	-150.59	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.86	
26 05 36 00-1001	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	569.23	217.58
			<i>For 60 Degree Bend, Deduct</i>	-104.43	
			<i>For 30 Degree Bend, Deduct</i>	-186.14	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.46	
26 05 36 00-1002	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	644.81	255.42
			<i>For 60 Degree Bend, Deduct</i>	-114.86	
			<i>For 30 Degree Bend, Deduct</i>	-205.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.24	
26 05 36 00-1003	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	756.31	309.17
			<i>For 60 Degree Bend, Deduct</i>	-131.05	
			<i>For 30 Degree Bend, Deduct</i>	-235.60	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.82	
26 05 36 00-1004			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0995)</small>		
26 05 36 00-1005	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	369.02	122.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.70	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.45	
26 05 36 00-1006	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	407.09	139.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.35	
26 05 36 00-1007	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	434.61	154.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.73	
26 05 36 00-1008	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	498.85	189.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.94	
26 05 36 00-1009	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	554.63	217.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.73	
26 05 36 00-1010	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	609.09	244.89
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.45	
26 05 36 00-1011	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	672.86	279.54
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.64	
26 05 36 00-1012			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0995)</small>		
26 05 36 00-1013	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	391.31	127.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	430.83 -30.84 21.54	146.93
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	462.54 -32.65 23.13	163.22
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	538.81 -36.99 26.94	202.77
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	604.88 -40.89 30.24	235.21
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	669.86 -44.74 33.49	266.93
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	755.27 -49.76 37.76	309.17
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	498.38 -38.71 24.92	133.47
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	539.58 -41.07 26.98	154.65
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	588.16 -44.40 29.41	172.89
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	674.59 -49.32 33.73	217.58
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	749.65 -53.68 37.48	255.42
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	837.67 -59.28 41.88	293.86
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	938.29 -65.06 46.91	345.29
26 05 36 00-1028 12" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029 EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	582.85 -38.69 29.14	235.21
26 05 36 00-1030 EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	629.17 -41.63 31.46	255.42
26 05 36 00-1031 EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	651.47 -42.90 32.57	266.93
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	737.01 -49.21 36.85	293.86
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	815.97 -54.41 40.80	326.19
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	892.56 -60.43 44.63	345.91
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,031.35 -70.50 51.57	391.58
26 05 36 00-1036 24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	751.21 -53.83 37.56	255.42
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	810.87 -57.76 40.54	280.03
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	843.41 -59.85 42.17	293.86
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	928.63 -65.68 46.43	326.19
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,031.57 -72.55 51.58	367.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1042	EA		30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,112.72 -78.64 55.64	391.58
26 05 36 00-1043	EA		36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,458.10 -108.11 72.91	452.43
26 05 36 00-1044			36" Radius Horizontal Tees (26 05 36 00-0955)		
26 05 36 00-1045	EA		6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	926.66 -69.33 46.33	280.03
26 05 36 00-1046	EA		9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	987.89 -73.02 49.39	309.17
26 05 36 00-1047	EA		12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,060.07 -78.82 53.00	326.19
26 05 36 00-1048	EA		18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,156.75 -85.06 57.84	367.34
26 05 36 00-1049	EA		24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,299.74 -95.03 64.99	419.38
26 05 36 00-1050	EA		30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,514.43 -113.74 75.72	452.43
26 05 36 00-1051	EA		36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,734.81 -128.99 86.74	533.86
26 05 36 00-1052			12" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1053	EA		6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	791.43 -61.01 39.57	217.58
26 05 36 00-1054	EA		9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	818.24 -62.97 40.91	226.15
26 05 36 00-1055	EA		12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	836.33 -64.04 41.82	235.21
26 05 36 00-1056	EA		18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	879.52 -66.66 43.98	255.42
26 05 36 00-1057	EA		24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	936.26 -71.38 46.81	266.93
26 05 36 00-1058	EA		30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	990.49 -74.56 49.52	293.86
26 05 36 00-1059	EA		36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,060.07 -78.82 53.00	326.19
26 05 36 00-1060			24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061	EA		6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,117.99 -92.20 55.90	235.21
26 05 36 00-1062	EA		9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,143.57 -93.95 57.18	244.89
26 05 36 00-1063	EA		12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,170.56 -95.77 58.53	255.42
26 05 36 00-1064	EA		18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,233.35 -100.00 61.67	280.03
26 05 36 00-1065	EA		24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,275.28 -103.04 63.76	293.86
26 05 36 00-1066	EA		30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,347.98 -107.61 67.40	326.19
26 05 36 00-1067	EA		36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,488.47 -118.24 74.42	367.34
26 05 36 00-1068			36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069	EA		6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,806.94 -159.41 90.35	255.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,844.05 -162.16 92.20	266.93
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,883.68 -165.04 94.18	280.03
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,950.35 -169.27 97.52	309.17
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,996.66 -172.48 99.83	326.19
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,118.96 -181.29 105.95	367.34
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,223.55 -187.41 111.18	419.38
26 05 36 00-1076 12" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	755.78 -51.09 37.79	293.86
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	809.51 -55.18 40.48	309.17
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	841.01 -56.92 42.05	326.19
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	936.37 -64.81 46.82	345.91
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,025.10 -69.88 51.26	391.58
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,137.00 -78.76 56.85	419.38
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,301.63 -92.46 65.08	452.43
26 05 36 00-1084 24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085 EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,053.81 -78.20 52.69	326.19
26 05 36 00-1086 EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,102.23 -81.40 55.11	345.91
26 05 36 00-1087 EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,153.62 -84.75 57.68	367.34
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,222.25 -89.59 61.11	391.58
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,373.60 -99.66 68.68	452.43
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,479.75 -107.16 73.99	489.78
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,637.80 -119.29 81.89	533.86
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,213.08 -90.70 60.65	367.34
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,278.58 -95.22 63.93	391.58
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,362.33 -101.29 68.12	419.38
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,461.23 -108.42 73.06	452.43
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,766.11 -132.12 88.31	533.86

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1098	EA		30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,948.12 -145.91 97.41	586.76
26 05 36 00-1099	EA		36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,169.03 -162.43 108.45	653.62
26 05 36 00-1100			12" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1101	EA		6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	755.78 -51.09 37.79	293.86
26 05 36 00-1102	EA		9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	809.68 -55.19 40.48	309.30
26 05 36 00-1103	EA		12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	840.92 -56.91 42.05	326.19
26 05 36 00-1104	EA		18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	936.59 -64.82 46.83	346.03
26 05 36 00-1105	EA		24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,025.10 -69.88 51.26	391.58
26 05 36 00-1106	EA		30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,137.32 -78.77 56.87	419.50
26 05 36 00-1107	EA		36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,300.70 -92.42 65.04	451.82
26 05 36 00-1108			24" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1109	EA		6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,053.81 -78.20 52.69	326.19
26 05 36 00-1110	EA		9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,102.23 -81.40 55.11	345.91
26 05 36 00-1111	EA		12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,153.62 -84.75 57.68	367.34
26 05 36 00-1112	EA		18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,222.25 -89.59 61.11	391.58
26 05 36 00-1113	EA		24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,373.60 -99.66 68.68	452.43
26 05 36 00-1114	EA		30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,479.75 -107.16 73.99	489.78
26 05 36 00-1115	EA		36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,637.80 -119.29 81.89	533.86
26 05 36 00-1116			36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117	EA		6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,483.46 -117.74 74.17	367.34
26 05 36 00-1118	EA		9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,560.23 -123.39 78.01	391.58
26 05 36 00-1119	EA		12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,660.88 -131.14 83.04	419.38
26 05 36 00-1120	EA		18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,779.49 -140.25 88.97	452.43
26 05 36 00-1121	EA		24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,160.42 -171.55 108.02	533.86
26 05 36 00-1122	EA		30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,384.68 -189.57 119.23	586.76
26 05 36 00-1123	EA		36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,654.88 -211.02 132.74	653.62
26 05 36 00-1124			9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	307.63	122.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.38	
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	338.76	139.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.94	
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	382.85	154.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.14	
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	456.74	189.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.84	
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	537.42	217.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.87	
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	593.31	244.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.67	
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	690.77	279.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.54	
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	395.42	127.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.77	
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	435.07	146.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.75	
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	471.60	163.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.58	
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	554.32	202.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.72	
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	629.27	235.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.33	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.46	
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	704.41	266.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.19	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.22	
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	807.42	309.17
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.37	
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	423.28	133.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.16	
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	463.47	154.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.17	
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	517.74	172.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.89	
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	620.87	217.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.95	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.04	
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	717.83	255.42
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.89	
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	810.55	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.53	
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	943.11	345.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.16	
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	216.11	89.02
<i>For 60 Degree Bend, Deduct</i>	-37.21	
<i>For 30 Degree Bend, Deduct</i>	-66.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.81	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	248.27	106.77
<i>For 60 Degree Bend, Deduct</i>	-41.02	
<i>For 30 Degree Bend, Deduct</i>	-74.30	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1152	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	277.09	122.44
			<i>For 60 Degree Bend, Deduct</i>	-44.50	
			<i>For 30 Degree Bend, Deduct</i>	-80.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.85	
26 05 36 00-1153	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	343.95	154.77
			<i>For 60 Degree Bend, Deduct</i>	-54.19	
			<i>For 30 Degree Bend, Deduct</i>	-98.91	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.20	
26 05 36 00-1154	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	422.83	189.54
			<i>For 60 Degree Bend, Deduct</i>	-66.87	
			<i>For 30 Degree Bend, Deduct</i>	-121.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.49	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.14	
26 05 36 00-1155	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	485.26	217.58
			<i>For 60 Degree Bend, Deduct</i>	-76.72	
			<i>For 30 Degree Bend, Deduct</i>	-139.95	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.26	
26 05 36 00-1156	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	553.54	255.42
			<i>For 60 Degree Bend, Deduct</i>	-84.75	
			<i>For 30 Degree Bend, Deduct</i>	-155.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.68	
26 05 36 00-1157			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	244.26	91.83
			<i>For 60 Degree Bend, Deduct</i>	-45.42	
			<i>For 30 Degree Bend, Deduct</i>	-80.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.21	
26 05 36 00-1159	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	286.23	110.69
			<i>For 60 Degree Bend, Deduct</i>	-52.02	
			<i>For 30 Degree Bend, Deduct</i>	-92.84	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.31	
26 05 36 00-1160	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	317.34	127.83
			<i>For 60 Degree Bend, Deduct</i>	-55.73	
			<i>For 30 Degree Bend, Deduct</i>	-99.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.87	
26 05 36 00-1161	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	384.24	163.22
			<i>For 60 Degree Bend, Deduct</i>	-64.22	
			<i>For 30 Degree Bend, Deduct</i>	-116.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.21	
26 05 36 00-1162	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	468.26	202.77
			<i>For 60 Degree Bend, Deduct</i>	-76.82	
			<i>For 30 Degree Bend, Deduct</i>	-139.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.41	
26 05 36 00-1163	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	548.42	235.21
			<i>For 60 Degree Bend, Deduct</i>	-90.83	
			<i>For 30 Degree Bend, Deduct</i>	-164.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.42	
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	630.93	280.03
			<i>For 60 Degree Bend, Deduct</i>	-100.88	
			<i>For 30 Degree Bend, Deduct</i>	-183.69	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.76	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.55	
26 05 36 00-1165			45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	280.44	94.77
			<i>For 60 Degree Bend, Deduct</i>	-56.24	
			<i>For 30 Degree Bend, Deduct</i>	-98.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.02	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	316.98	115.10
			<i>For 60 Degree Bend, Deduct</i>	-60.49	
			<i>For 30 Degree Bend, Deduct</i>	-107.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.85	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	350.42	133.59
			<i>For 60 Degree Bend, Deduct</i>	-64.43	
			<i>For 30 Degree Bend, Deduct</i>	-114.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.52	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	429.08	172.89
			<i>For 60 Degree Bend, Deduct</i>	-75.30	
			<i>For 30 Degree Bend, Deduct</i>	-135.11	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1170 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	534.81	217.58
For 60 Degree Bend, Deduct	-93.07	
For 30 Degree Bend, Deduct	-167.20	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.35	
For 6" Overall Height Instead Of 4-5/8", Add	26.74	
26 05 36 00-1171 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	608.30	255.42
For 60 Degree Bend, Deduct	-102.82	
For 30 Degree Bend, Deduct	-185.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.54	
For 6" Overall Height Instead Of 4-5/8", Add	30.42	
26 05 36 00-1172 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	716.15	309.17
For 60 Degree Bend, Deduct	-117.80	
For 30 Degree Bend, Deduct	-213.51	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.85	
For 6" Overall Height Instead Of 4-5/8", Add	35.81	
26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	347.50	122.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.55	
For 6" Overall Height Instead Of 4-5/8", Add	17.38	
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	384.40	139.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.78	
For 6" Overall Height Instead Of 4-5/8", Add	19.22	
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	411.54	154.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.27	
For 6" Overall Height Instead Of 4-5/8", Add	20.58	
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	474.99	189.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.70	
For 6" Overall Height Instead Of 4-5/8", Add	23.75	
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	529.59	217.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.82	
For 6" Overall Height Instead Of 4-5/8", Add	26.48	
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	582.88	244.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.88	
For 6" Overall Height Instead Of 4-5/8", Add	29.14	
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	645.86	279.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.29	
For 6" Overall Height Instead Of 4-5/8", Add	32.29	
26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	368.04	127.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.16	
For 6" Overall Height Instead Of 4-5/8", Add	18.40	
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	406.58	146.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.41	
For 6" Overall Height Instead Of 4-5/8", Add	20.33	
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	437.70	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.17	
For 6" Overall Height Instead Of 4-5/8", Add	21.89	
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	512.60	202.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.37	
For 6" Overall Height Instead Of 4-5/8", Add	25.63	
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	577.11	235.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.11	
For 6" Overall Height Instead Of 4-5/8", Add	28.86	
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	640.52	266.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.81	
For 6" Overall Height Instead Of 4-5/8", Add	32.03	
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	723.97	309.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.63	
For 6" Overall Height Instead Of 4-5/8", Add	36.20	
26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	462.40	133.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.12	
For 6" Overall Height Instead Of 4-5/8", Add	23.12	
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	502.81	154.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.40	
For 6" Overall Height Instead Of 4-5/8", Add	25.14	
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	549.04	172.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.49	
For 6" Overall Height Instead Of 4-5/8", Add	27.45	
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	633.91	217.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.26	
For 6" Overall Height Instead Of 4-5/8", Add	31.70	
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	707.40	255.42
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.45	
For 6" Overall Height Instead Of 4-5/8", Add	35.37	
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	792.29	293.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.74	
For 6" Overall Height Instead Of 4-5/8", Add	39.61	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1196	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	890.95	345.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.33	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.55	
26 05 36 00-1197			12" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1198	EA		6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	551.03	235.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.55	
26 05 36 00-1199	EA		9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	595.26	255.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.24	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.76	
26 05 36 00-1200	EA		12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	617.05	266.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.85	
26 05 36 00-1201	EA		18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	695.80	293.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.79	
26 05 36 00-1202	EA		24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	770.60	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.87	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.53	
26 05 36 00-1203	EA		30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	839.88	345.91
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.16	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.99	
26 05 36 00-1204	EA		36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	968.24	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.41	
26 05 36 00-1205			24" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1206	EA		6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	696.97	255.42
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.85	
26 05 36 00-1207	EA		9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	753.50	280.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.68	
26 05 36 00-1208	EA		12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	784.47	293.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.22	
26 05 36 00-1209	EA		18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	864.48	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.22	
26 05 36 00-1210	EA		24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	961.68	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.08	
26 05 36 00-1211	EA		30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,036.05	391.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.80	
26 05 36 00-1212	EA		36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,340.74	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.38	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	67.04	
26 05 36 00-1213			36" Radius Horizontal Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1214	EA		6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	849.99	280.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.50	
26 05 36 00-1215	EA		9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	909.13	309.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.46	
26 05 36 00-1216	EA		12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	974.01	326.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.70	
26 05 36 00-1217	EA		18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,065.99	367.34
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.30	
26 05 36 00-1218	EA		24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,199.59	419.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	59.98	
26 05 36 00-1219	EA		30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,387.69	452.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	69.38	
26 05 36 00-1220	EA		36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,593.99	533.86
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	79.70	
26 05 36 00-1221			12" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222	EA		6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	719.97	217.58
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.00	
26 05 36 00-1223	EA		9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	744.70	226.15
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	762.27 -56.63 38.11	235.21
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	803.89 -59.10 40.19	255.42
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	854.37 -63.19 42.72	266.93
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	907.04 -66.22 45.35	293.86
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	974.01 -70.22 48.70	326.19
26 05 36 00-1229 24" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	996.98 -80.10 49.85	235.21
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,021.00 -81.69 51.05	244.89
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,046.43 -83.36 52.32	255.42
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,105.56 -87.22 55.28	280.03
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,144.36 -89.95 57.22	293.86
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,213.94 -94.21 60.70	326.19
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,342.43 -103.63 67.12	367.34
26 05 36 00-1237 36" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,576.74 -136.39 78.84	255.42
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,610.86 -138.84 80.54	266.93
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,647.51 -141.42 82.38	280.03
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,711.19 -145.35 85.56	309.17
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,754.50 -148.26 87.73	326.19
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,867.84 -156.17 93.39	367.34
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,969.44 -162.00 98.47	419.38
26 05 36 00-1245 12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	711.45 -46.66 35.57	293.86
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	760.48 -50.28 38.02	309.17
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	791.46 -51.96 39.57	326.19
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	876.39 -58.82 43.82	345.91
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	963.03 -63.67 48.15	391.58
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,063.98 -71.45 53.20	419.38

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1252	EA		36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,210.35 -83.34 60.52	452.43
26 05 36 00-1253			24" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1254	EA		6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	968.80 -69.69 48.44	326.19
26 05 36 00-1255	EA		9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,014.60 -72.64 50.73	345.91
26 05 36 00-1256	EA		12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,063.38 -75.73 53.17	367.34
26 05 36 00-1257	EA		18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,127.33 -80.10 56.37	391.58
26 05 36 00-1258	EA		24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,270.33 -89.33 63.52	452.43
26 05 36 00-1259	EA		30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,369.17 -96.10 68.46	489.78
26 05 36 00-1260	EA		36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,513.14 -106.82 75.66	533.86
26 05 36 00-1261			36" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1262	EA		6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,112.93 -80.68 55.65	367.34
26 05 36 00-1263	EA		9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,174.27 -84.79 58.71	391.58
26 05 36 00-1264	EA		12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,251.75 -90.23 62.59	419.38
26 05 36 00-1265	EA		18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,343.35 -96.64 67.17	452.43
26 05 36 00-1266	EA		24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,620.07 -117.51 81.00	533.86
26 05 36 00-1267	EA		30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,786.43 -129.74 89.32	586.76
26 05 36 00-1268	EA		36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,989.09 -144.44 99.45	653.62
26 05 36 00-1269			12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270	EA		6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	711.45 -46.66 35.57	293.86
26 05 36 00-1271	EA		9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	760.48 -50.28 38.02	309.17
26 05 36 00-1272	EA		12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	791.46 -51.96 39.57	326.19
26 05 36 00-1273	EA		18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	876.39 -58.82 43.82	345.91
26 05 36 00-1274	EA		24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	963.03 -63.67 48.15	391.58
26 05 36 00-1275	EA		30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,063.98 -71.45 53.20	419.38
26 05 36 00-1276	EA		36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,208.50 -83.24 60.43	451.21
26 05 36 00-1277			24" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1278	EA		6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	968.80 -69.69 48.44	326.19
26 05 36 00-1279	EA		9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,014.60 -72.64 50.73	345.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,063.38	367.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.73	
For 6" Overall Height Instead Of 4-5/8", Add	53.17	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,127.33	391.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.10	
For 6" Overall Height Instead Of 4-5/8", Add	56.37	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,270.33	452.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.33	
For 6" Overall Height Instead Of 4-5/8", Add	63.52	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,369.17	489.78
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.10	
For 6" Overall Height Instead Of 4-5/8", Add	68.46	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,513.14	533.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-106.82	
For 6" Overall Height Instead Of 4-5/8", Add	75.66	
26 05 36 00-1285 36" Radius Vertical Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,338.26	367.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.22	
For 6" Overall Height Instead Of 4-5/8", Add	66.91	
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,408.98	391.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.26	
For 6" Overall Height Instead Of 4-5/8", Add	70.45	
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,500.54	419.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-115.11	
For 6" Overall Height Instead Of 4-5/8", Add	75.03	
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,608.57	452.43
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-123.16	
For 6" Overall Height Instead Of 4-5/8", Add	80.43	
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,948.66	533.86
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-150.37	
For 6" Overall Height Instead Of 4-5/8", Add	97.43	
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,150.23	586.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-166.12	
For 6" Overall Height Instead Of 4-5/8", Add	107.51	
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,393.96	653.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-184.93	
For 6" Overall Height Instead Of 4-5/8", Add	119.70	
26 05 36 00-1293 12" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	300.42	122.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.81	
For 6" Overall Height Instead Of 4-5/8", Add	15.02	
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	331.37	139.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.48	
For 6" Overall Height Instead Of 4-5/8", Add	16.57	
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	374.09	154.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.53	
For 6" Overall Height Instead Of 4-5/8", Add	18.70	
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	446.88	189.54
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.89	
For 6" Overall Height Instead Of 4-5/8", Add	22.34	
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	525.19	217.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.38	
For 6" Overall Height Instead Of 4-5/8", Add	26.26	
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	580.35	244.89
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.63	
For 6" Overall Height Instead Of 4-5/8", Add	29.02	
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	675.07	279.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.18	
For 6" Overall Height Instead Of 4-5/8", Add	33.75	
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	382.64	127.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.62	
For 6" Overall Height Instead Of 4-5/8", Add	19.13	
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	421.74	146.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.94	
For 6" Overall Height Instead Of 4-5/8", Add	21.09	
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	457.64	163.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.16	
For 6" Overall Height Instead Of 4-5/8", Add	22.88	
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	539.17	202.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.02	
For 6" Overall Height Instead Of 4-5/8", Add	26.96	
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	612.66	235.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.67	
For 6" Overall Height Instead Of 4-5/8", Add	30.63	

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	686.25	266.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.38	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.31	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	786.98	309.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.93	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.35	
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	409.22	133.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.80	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.46	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	449.05	154.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.03	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.45	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	501.68	172.89
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.76	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.08	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	602.80	217.58
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.15	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.14	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	697.39	255.42
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.45	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.87	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	788.10	293.86
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.32	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.41	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	917.37	345.29
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.97	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.87	
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	211.37	89.02
		<i>For 60 Degree Bend, Deduct</i>	-35.64	
		<i>For 30 Degree Bend, Deduct</i>	-64.35	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.72	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.57	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	243.34	106.77
		<i>For 60 Degree Bend, Deduct</i>	-39.39	
		<i>For 30 Degree Bend, Deduct</i>	-71.59	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.44	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.17	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	271.98	122.44
		<i>For 60 Degree Bend, Deduct</i>	-42.82	
		<i>For 30 Degree Bend, Deduct</i>	-78.16	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.99	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.60	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	337.93	154.77
		<i>For 60 Degree Bend, Deduct</i>	-52.20	
		<i>For 30 Degree Bend, Deduct</i>	-95.60	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.90	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.90	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	415.35	189.54
		<i>For 60 Degree Bend, Deduct</i>	-64.41	
		<i>For 30 Degree Bend, Deduct</i>	-117.87	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.74	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.77	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	476.68	217.58
		<i>For 60 Degree Bend, Deduct</i>	-73.89	
		<i>For 30 Degree Bend, Deduct</i>	-135.23	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.53	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.83	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	544.59	255.42
		<i>For 60 Degree Bend, Deduct</i>	-81.79	
		<i>For 30 Degree Bend, Deduct</i>	-150.51	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.17	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.23	
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	237.87	91.83
		<i>For 60 Degree Bend, Deduct</i>	-43.31	
		<i>For 30 Degree Bend, Deduct</i>	-77.29	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.14	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.89	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	279.11	110.69
		<i>For 60 Degree Bend, Deduct</i>	-49.67	
		<i>For 30 Degree Bend, Deduct</i>	-88.93	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.69	
		<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	310.03	127.83
<i>For 60 Degree Bend, Deduct</i>	-53.32	
<i>For 30 Degree Bend, Deduct</i>	-95.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.50	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	376.39	163.22
<i>For 60 Degree Bend, Deduct</i>	-61.63	
<i>For 30 Degree Bend, Deduct</i>	-111.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.82	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	459.14	202.77
<i>For 60 Degree Bend, Deduct</i>	-73.81	
<i>For 30 Degree Bend, Deduct</i>	-134.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.96	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	537.47	235.21
<i>For 60 Degree Bend, Deduct</i>	-87.22	
<i>For 30 Degree Bend, Deduct</i>	-158.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.87	
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	619.43	280.03
<i>For 60 Degree Bend, Deduct</i>	-97.09	
<i>For 30 Degree Bend, Deduct</i>	-177.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.97	
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	271.86	94.77
<i>For 60 Degree Bend, Deduct</i>	-53.40	
<i>For 30 Degree Bend, Deduct</i>	-94.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.59	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	308.22	115.10
<i>For 60 Degree Bend, Deduct</i>	-57.60	
<i>For 30 Degree Bend, Deduct</i>	-102.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.23	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.41	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	341.47	133.59
<i>For 60 Degree Bend, Deduct</i>	-61.48	
<i>For 30 Degree Bend, Deduct</i>	-109.89	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.07	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	419.22	172.89
<i>For 60 Degree Bend, Deduct</i>	-72.05	
<i>For 30 Degree Bend, Deduct</i>	-129.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.96	
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	522.76	217.58
<i>For 60 Degree Bend, Deduct</i>	-89.09	
<i>For 30 Degree Bend, Deduct</i>	-160.58	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.14	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	595.52	255.42
<i>For 60 Degree Bend, Deduct</i>	-98.60	
<i>For 30 Degree Bend, Deduct</i>	-178.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.78	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	702.09	309.17
<i>For 60 Degree Bend, Deduct</i>	-113.16	
<i>For 30 Degree Bend, Deduct</i>	-205.78	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.10	
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	333.16	122.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.66	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	369.27	139.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.46	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	396.15	154.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.81	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	459.08	189.54
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.95	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	512.90	217.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.65	
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	565.41	244.89
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1349	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	627.87 -39.49 31.39	279.54
26 05 36 00-1350			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	352.52 -24.61 17.63	127.71
26 05 36 00-1352	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	390.41 -26.80 19.52	146.93
26 05 36 00-1353	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	421.14 -28.51 21.06	163.22
26 05 36 00-1354	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	495.13 -32.62 24.76	202.77
26 05 36 00-1355	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	558.59 -36.26 27.93	235.21
26 05 36 00-1356	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	620.96 -39.85 31.05	266.93
26 05 36 00-1357	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	703.11 -44.54 35.16	309.17
26 05 36 00-1358			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	438.40 -32.72 21.92	133.47
26 05 36 00-1360	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	478.30 -34.95 23.92	154.65
26 05 36 00-1361	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	522.96 -37.88 26.15	172.89
26 05 36 00-1362	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	606.79 -42.54 30.34	217.58
26 05 36 00-1363	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	679.24 -46.64 33.96	255.42
26 05 36 00-1364	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	762.04 -51.72 38.10	293.86
26 05 36 00-1365	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	859.40 -57.17 42.97	345.29
26 05 36 00-1366			12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367	EA		6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	535.12 -33.91 26.76	235.21
26 05 36 00-1368	EA		9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	578.31 -36.54 28.92	255.42
26 05 36 00-1369	EA		12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	599.84 -37.74 29.99	266.93
26 05 36 00-1370	EA		18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	675.20 -43.03 33.76	293.86
26 05 36 00-1371	EA		24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	747.91 -47.61 37.40	326.19
26 05 36 00-1372	EA		30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	813.54 -52.53 40.68	345.91
26 05 36 00-1373	EA		36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	936.69 -61.03 46.83	391.58
26 05 36 00-1374			24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375	EA		6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	669.85 -45.70 33.49	255.42
26 05 36 00-1376	EA		9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	724.81 -49.15 36.24	280.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	755.00 -51.01 37.75	293.86
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	832.40 -56.05 41.62	326.19
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	926.73 -62.06 46.34	367.34
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	997.71 -67.14 49.89	391.58
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,282.07 -90.51 64.10	452.43
26 05 36 00-1382 36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	811.65 -57.83 40.58	280.03
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	869.75 -61.21 43.49	309.17
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	930.98 -65.91 46.55	326.19
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,020.61 -71.45 51.03	367.34
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,149.52 -80.01 57.48	419.38
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,324.31 -94.73 66.22	452.43
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,523.58 -107.87 76.18	533.86
26 05 36 00-1390 12" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	684.24 -50.29 34.21	217.58
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	707.93 -51.94 35.40	226.15
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	725.24 -52.93 36.26	235.21
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	766.08 -55.32 38.30	255.42
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	813.42 -59.10 40.67	266.93
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	865.32 -62.04 43.27	293.86
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	930.98 -65.91 46.55	326.19
26 05 36 00-1398 24" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	936.48 -74.05 46.82	235.21
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	959.72 -75.56 47.99	244.89
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	984.36 -77.15 49.22	255.42
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,041.67 -80.84 52.08	280.03
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,078.90 -83.40 53.95	293.86
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,146.91 -87.51 57.35	326.19

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1405	EA		36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,269.41 -96.33 63.47	367.34
26 05 36 00-1406			36" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1407	EA		6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,461.64 -124.88 73.08	255.42
26 05 36 00-1408	EA		9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,494.27 -127.18 74.71	266.93
26 05 36 00-1409	EA		12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,529.42 -129.61 76.47	280.03
26 05 36 00-1410	EA		18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,591.60 -133.39 79.58	309.17
26 05 36 00-1411	EA		24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,633.42 -136.16 81.67	326.19
26 05 36 00-1412	EA		30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,742.28 -143.62 87.11	367.34
26 05 36 00-1413	EA		36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,842.39 -149.30 92.12	419.38
26 05 36 00-1414			12" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1415	EA		6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	689.28 -44.44 34.46	293.86
26 05 36 00-1416	EA		9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	735.97 -47.83 36.80	309.17
26 05 36 00-1417	EA		12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	766.68 -49.48 38.33	326.19
26 05 36 00-1418	EA		18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	846.40 -55.82 42.32	345.91
26 05 36 00-1419	EA		24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	931.99 -60.56 46.60	391.58
26 05 36 00-1420	EA		30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,027.47 -67.80 51.37	419.38
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,164.71 -78.77 58.24	452.43
26 05 36 00-1422			24" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	926.29 -65.44 46.31	326.19
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	970.79 -68.26 48.54	345.91
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,018.27 -71.22 50.91	367.34
26 05 36 00-1426	EA		18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,079.86 -75.35 53.99	391.58
26 05 36 00-1427	EA		24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,218.70 -84.17 60.94	452.43
26 05 36 00-1428	EA		30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,313.88 -90.57 65.69	489.78
26 05 36 00-1429	EA		36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,450.82 -100.59 72.54	533.86
26 05 36 00-1430			36" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1431	EA		6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,062.86 -75.68 53.14	367.34
26 05 36 00-1432	EA		9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,122.11 -79.58 56.11	391.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,196.46	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-84.70</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>59.82</i>	
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,284.41	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-90.74</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>64.22</i>	
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,547.05	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-110.21</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>77.35</i>	
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,705.59	586.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-121.66</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>85.28</i>	
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,899.12	653.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-135.44</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>94.96</i>	
26 05 36 00-1438 12" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	689.28	293.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-44.44</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>34.46</i>	
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	736.14	309.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-47.84</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>36.81</i>	
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	766.59	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-49.48</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>38.33</i>	
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	846.62	346.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-55.83</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>42.33</i>	
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	931.99	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-60.56</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>46.60</i>	
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,027.79	419.50
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-67.82</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>51.39</i>	
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	1,163.78	451.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-78.73</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>58.19</i>	
26 05 36 00-1446 24" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	926.29	326.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-65.44</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>46.31</i>	
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	970.79	345.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-68.26</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>48.54</i>	
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,018.27	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-71.22</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>50.91</i>	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,079.86	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-75.35</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>53.99</i>	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,218.70	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-84.17</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>60.94</i>	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,313.88	489.78
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-90.57</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>65.69</i>	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,450.82	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-100.59</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>72.54</i>	
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,265.65	367.34
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-95.95</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>63.28</i>	
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,333.35	391.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-100.70</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>66.67</i>	
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,420.38	419.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-107.09</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>71.02</i>	
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,523.11	452.43
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-114.61</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>76.16</i>	
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,842.78	533.86
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-139.79</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>92.14</i>	
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,033.01	586.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-154.40</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>101.65</i>	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1461	EA		36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,263.51 -171.88 113.18	653.62
26 05 36 00-1462			Dropout Or End Plates And Reducers (26 05 36 00-0744)		
26 05 36 00-1463			Straight Reducers (26 05 36 00-1462)		
26 05 36 00-1464	EA		9" To 6" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	267.99 -19.27 13.40	90.37
26 05 36 00-1465	EA		12" To 9" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	283.05 -20.15 14.15	97.83
26 05 36 00-1466	EA		18" To 12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	310.83 -21.67 15.54	112.89
26 05 36 00-1467	EA		24" To 18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	342.89 -23.40 17.14	130.65
26 05 36 00-1468	EA		30" To 24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	372.68 -25.02 18.63	146.93
26 05 36 00-1469	EA		36" To 30" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	415.42 -27.55 20.77	167.87
26 05 36 00-1470			Reducers (26 05 36 00-1462)		
26 05 36 00-1471	EA		18" To 6" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	310.95 -21.68 15.55	113.02
26 05 36 00-1472	EA		24" To 12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	343.21 -23.42 17.16	130.77
26 05 36 00-1473	EA		30" To 12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	372.48 -25.01 18.62	146.81
26 05 36 00-1474	EA		30" To 18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	374.89 -25.26 18.74	146.69
26 05 36 00-1475	EA		36" To 12" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	412.81 -27.29 20.64	167.87
26 05 36 00-1476	EA		36" To 18" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	422.77 -27.92 21.14	172.28
26 05 36 00-1477	EA		36" To 24" Reducer, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.16 -28.90 21.86	177.79
26 05 36 00-1478			Dropout Or End Plate (26 05 36 00-1462)		
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray	76.74	36.73
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray	86.48	42.00
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray	93.30	45.18
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray	113.13	53.39
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray	126.25	58.77
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray	142.50	65.26
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray	159.86	73.47
26 05 36 00-1486			Solid Bottom Cable Tray (26 05 36 00-0001) Note: 3-5/8" Height.		
26 05 36 00-1487			Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)		
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.23 3.23	9.55
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.18 4.07	11.76
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.48 5.20	16.90
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.90 6.05	19.34
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.17 7.22	23.39
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	95.01 9.79	26.82
26 05 36 00-1494			Solid Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1486)		
26 05 36 00-1495			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1496 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	327.01	122.56
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.63	
26 05 36 00-1497 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	424.97	172.41
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.00	
26 05 36 00-1498 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	519.87	217.58
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.71	
26 05 36 00-1499 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	637.15	267.30
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.01	
26 05 36 00-1500 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	744.61	309.79
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.07	
26 05 36 00-1501 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	836.81	345.91
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.87	
26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	387.11	127.59
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.79	
26 05 36 00-1504 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	510.27	183.79
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.90	
26 05 36 00-1505 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	627.73	235.21
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.96	
26 05 36 00-1506 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	764.85	293.86
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.75	
26 05 36 00-1507 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	897.13	345.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.03	
26 05 36 00-1508 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,013.72	391.58
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	86.79	
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	477.56	133.34
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.42	
26 05 36 00-1511 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	614.39	196.27
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.45	
26 05 36 00-1512 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	777.55	255.79
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.00	
26 05 36 00-1513 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	924.39	326.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	84.29	
26 05 36 00-1514 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,109.50	391.58
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	101.16	
26 05 36 00-1515 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,265.42	451.21
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	114.60	
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	296.45	122.56
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.03	
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	390.58	172.41
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.84	
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	480.15	217.34
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.80	
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	588.61	266.93
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.80	
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	687.51	309.79
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.51	
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	770.65	345.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.06	
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	343.65	127.71
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.26	
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	459.00	183.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.24	
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	569.28	235.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.15	
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	696.08	293.86
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.43	
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	817.78	345.91
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.02	
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	923.46	391.58
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.25	
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	414.04	133.47
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.86	
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	512.13	177.91
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.16	
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	689.74	255.79
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.83	
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	830.20	326.80
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.06	

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	995.30 84.03	391.58
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,138.95 95.45	452.43
26 05 36 00-1537		90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	353.49 32.66	122.20
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	444.61 37.95	172.41
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	522.33 42.08	217.58
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	632.24 50.28	267.30
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	715.14 55.65	309.79
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	781.70 59.72	345.29
26 05 36 00-1544		90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	423.95 42.32	127.59
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	537.28 49.95	183.79
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	642.46 57.17	235.21
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	762.39 65.38	293.86
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	862.75 71.87	345.29
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	967.06 79.79	391.58
26 05 36 00-1551		90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	509.49 54.21	133.34
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	618.93 63.12	178.28
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	777.55 74.00	255.79
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	929.30 85.02	326.19
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,072.66 95.63	391.58
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,208.93 106.13	451.21
26 05 36 00-1558		12" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	563.87 45.39	235.21
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	675.65 52.45	293.37
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	797.52 61.98	345.91
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	948.55 72.23	420.23
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,036.41 80.06	452.43
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,214.05 93.12	533.86
26 05 36 00-1565		24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	693.45 61.44	255.42
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	855.62 73.97	326.19
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	998.98 84.58	391.58
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,285.39 111.18	489.78
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,400.71 121.12	533.86
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,641.97 137.36	653.62
26 05 36 00-1572		36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1573	EA			6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	886.60	280.03
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	86.33	
26 05 36 00-1574	EA			12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,081.31	367.34
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	100.97	
26 05 36 00-1575	EA			18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,264.82	452.43
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	114.33	
26 05 36 00-1576	EA			24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,545.61	533.86
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	142.86	
26 05 36 00-1577	EA			30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,693.37	588.71
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	155.89	
26 05 36 00-1578	EA			36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,961.25	734.67
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	171.74	
26 05 36 00-1579				12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580	EA			6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	674.39	235.21
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.96	
26 05 36 00-1581	EA			12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	784.50	293.86
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.70	
26 05 36 00-1582	EA			18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	843.34	326.19
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.13	
26 05 36 00-1583	EA			24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	904.50	345.29
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	78.14	
26 05 36 00-1584	EA			30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,003.90	391.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	85.32	
26 05 36 00-1585	EA			36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,117.46	452.43
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	92.22	
26 05 36 00-1586				24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587	EA			6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	843.27	255.42
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.92	
26 05 36 00-1588	EA			12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	980.88	326.19
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	92.76	
26 05 36 00-1589	EA			18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,071.49	367.34
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	99.50	
26 05 36 00-1590	EA			24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,134.06	391.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	104.84	
26 05 36 00-1591	EA			30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,282.01	452.43
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	116.90	
26 05 36 00-1592	EA			36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,442.46	533.86
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	127.38	
26 05 36 00-1593				36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594	EA			6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,116.76	279.54
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	120.92	
26 05 36 00-1595	EA			12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,275.34	367.34
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	130.08	
26 05 36 00-1596	EA			18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,411.12	419.38
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	141.78	
26 05 36 00-1597	EA			24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,490.77	452.43
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	148.22	
26 05 36 00-1598	EA			30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,749.46	533.86
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	173.43	
26 05 36 00-1599	EA			36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,886.71	586.76
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	185.21	
26 05 36 00-1600				12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601	EA			6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	696.08	293.86
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.43	
26 05 36 00-1602	EA			12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	799.98	345.91
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.35	
26 05 36 00-1603	EA			18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	961.67	419.38
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.36	
26 05 36 00-1604	EA			24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,111.02	489.78
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	85.02	
26 05 36 00-1605	EA			30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,307.09	586.76
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	98.26	
26 05 36 00-1606	EA			36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray.....	1,450.40	653.62
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	108.62	
26 05 36 00-1607				24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608	EA			6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	920.46	326.80
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.60	
26 05 36 00-1609	EA			12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,072.66	391.58
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	95.63	
26 05 36 00-1610	EA			18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,285.39	489.78
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	111.18	
26 05 36 00-1611	EA			24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,582.85	588.71
				<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	139.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1612	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,740.21 152.09	653.62
26 05 36 00-1613	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,912.13 164.37	734.67
26 05 36 00-1614			36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,226.22 122.71	367.34
26 05 36 00-1616	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,429.37 139.01	452.43
26 05 36 00-1617	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,717.93 159.58	588.71
26 05 36 00-1618	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,961.25 185.25	653.62
26 05 36 00-1619	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,170.01 203.06	734.67
26 05 36 00-1620	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,404.73 220.93	838.62
26 05 36 00-1621			Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622	EA		12" To 6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	283.60 26.21	97.95
26 05 36 00-1623	EA		18" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	307.32 27.65	110.69
26 05 36 00-1624	EA		24" To 18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	340.29 29.79	127.59
26 05 36 00-1625	EA		30" To 24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	382.43 32.88	146.93
26 05 36 00-1626	EA		36" To 30" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	414.07 34.95	162.97
26 05 36 00-1627			Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628	EA		18" To 6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	307.43 27.65	110.81
26 05 36 00-1629	EA		24" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	338.28 29.44	127.83
26 05 36 00-1630	EA		30" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	377.31 32.13	146.81
26 05 36 00-1631	EA		30" To 18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	379.58 32.49	146.69
26 05 36 00-1632	EA		36" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	411.61 34.58	162.97
26 05 36 00-1633	EA		36" To 18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	414.07 34.95	162.97
26 05 36 00-1634	EA		36" To 24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	417.00 35.34	163.22
26 05 36 00-1635			Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	86.27	36.73
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	105.89	44.82
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	122.05	53.14
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	137.37	58.77
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	152.96	65.26
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	169.72	73.47
26 05 36 00-1642			Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.89 2.89	7.72
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.75 3.71	9.06
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.41 4.69	11.76
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.77 5.76	12.98
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.73 6.92	16.78
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	76.90 8.47	18.37
26 05 36 00-1649			Solid Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1650			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	324.96 28.32	122.56
26 05 36 00-1652	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	393.08 33.24	154.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	454.00 39.30	172.77
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	528.81 45.50	202.90
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	624.52 54.43	235.46
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	705.95 61.33	267.30
26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	384.42 36.39	127.59
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	476.11 44.18	163.47
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	538.18 50.12	183.66
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	649.48 61.15	217.58
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	753.45 70.50	255.06
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	867.13 81.09	293.86
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	476.85 49.31	133.34
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	594.17 60.27	173.14
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	689.30 70.69	196.27
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	780.11 77.87	234.85
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	906.24 89.27	280.03
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,057.83 104.40	325.70
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	298.54 24.35	122.56
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	363.19 28.76	154.28
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	417.21 33.81	172.65
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	486.14 39.17	202.52
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	573.46 46.77	235.46
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	647.38 52.68	266.56
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	346.79 30.73	127.71
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	431.04 37.45	163.22
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	487.74 42.49	184.03
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	586.38 51.69	217.58
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	682.41 59.73	255.79
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	784.11 68.64	293.86
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	421.14 40.92	133.47
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	526.38 50.16	172.77
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	609.60 58.74	196.27
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	695.61 65.10	235.46
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	809.53 74.77	280.03
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	946.45 87.50	326.80

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1692			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693	EA		6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	347.06	122.20
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.69	
26 05 36 00-1694	EA		12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	406.28	154.28
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.22	
26 05 36 00-1695	EA		18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	455.89	172.77
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.59	
26 05 36 00-1696	EA		24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	515.60	202.90
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.52	
26 05 36 00-1697	EA		30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	581.12	235.46
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.92	
26 05 36 00-1698	EA		36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	638.62	266.56
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.36	
26 05 36 00-1699			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	416.50	127.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.20	
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	493.09	163.47
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.73	
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	543.84	183.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.97	
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	621.17	217.58
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.91	
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	698.74	255.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.30	
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	791.66	293.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.77	
26 05 36 00-1706			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	490.06	133.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.30	
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	590.40	173.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.71	
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	655.33	196.27
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.60	
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	732.94	234.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.80	
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	843.98	280.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	79.93	
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	935.19	325.70
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	86.00	
26 05 36 00-1713			12" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	578.74	235.21
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.62	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	670.70	266.56
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.18	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	744.49	293.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.70	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	829.59	326.80
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.97	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	980.98	391.58
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.88	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	1,193.65	489.78
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	97.42	
26 05 36 00-1720			24" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	733.29	255.42
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.42	
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	836.94	293.86
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	76.56	
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	936.15	326.19
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	86.05	
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,133.81	391.58
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	104.80	
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,363.46	489.78
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	122.89	
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	1,505.65	535.45
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	136.60	
26 05 36 00-1727			36" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	966.62	280.03
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	98.33	
26 05 36 00-1729	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	1,090.87	326.19
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	109.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1730 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,244.28 125.42	367.34
26 05 36 00-1731 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,487.95 147.98	451.21
26 05 36 00-1732 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,792.43 170.75	588.71
26 05 36 00-1733 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,995.01 190.31	653.62
26 05 36 00-1734 12" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	657.98 59.50	235.21
26 05 36 00-1736 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	716.62 63.00	266.93
26 05 36 00-1737 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	748.93 65.75	279.54
26 05 36 00-1738 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	790.87 69.73	293.37
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	872.00 76.43	326.19
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	999.85 84.71	391.58
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	818.19 80.15	255.42
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	904.86 86.75	293.86
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	958.73 92.28	309.17
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,024.83 99.35	326.19
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,140.51 109.85	367.34
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,308.71 121.09	451.21
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,079.11 115.27	279.54
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,178.53 123.08	322.28
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,254.63 130.65	345.29
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,310.32 135.33	367.34
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,453.58 148.15	419.38
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	972.88 56.95	533.86
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	682.66 57.91	266.93
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	757.70 64.68	293.86
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	881.05 74.62	345.29
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,046.04 87.02	419.38
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,144.56 96.47	451.21
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,326.41 109.72	535.45
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	905.64 86.79	294.36
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,024.83 99.35	326.19
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,175.32 111.03	391.58
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,450.54 135.73	491.12
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,590.56 149.34	535.45
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,815.77 163.43	653.62

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1769			36" Radius Horizontal Crosses (26 05 36 00-1649)		
26 05 36 00-1770	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray 1,251.24	1,251.24	326.19
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 133.32		
26 05 36 00-1771	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray 1,376.35	1,376.35	367.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 145.23		
26 05 36 00-1772	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray 1,603.01	1,603.01	452.43
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 165.05		
26 05 36 00-1773	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray 1,905.64	1,905.64	588.71
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 187.73		
26 05 36 00-1774	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray 2,089.34	2,089.34	653.62
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 204.46		
26 05 36 00-1775	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray 2,394.23	2,394.23	734.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 236.69		
26 05 36 00-1776			Straight Reducers (26 05 36 00-1649)		
26 05 36 00-1777	EA		12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray 257.01	257.01	84.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 24.55		
26 05 36 00-1778	EA		18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray 283.75	283.75	97.83
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 26.26		
26 05 36 00-1779	EA		24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray 312.82	312.82	110.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 28.47		
26 05 36 00-1780	EA		30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray 352.49	352.49	127.71
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 31.59		
26 05 36 00-1781	EA		36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray 391.67	391.67	146.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 34.30		
26 05 36 00-1782			Reducers (26 05 36 00-1649)		
26 05 36 00-1783	EA		18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray 281.95	281.95	97.83
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 25.98		
26 05 36 00-1784	EA		24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray 311.26	311.26	110.93
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 28.20		
26 05 36 00-1785	EA		30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray 348.58	348.58	127.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 31.01		
26 05 36 00-1786	EA		30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray 350.31	350.31	127.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 31.29		
26 05 36 00-1787	EA		36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray 391.67	391.67	146.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 34.30		
26 05 36 00-1788	EA		36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray 393.55	393.55	146.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 34.58		
26 05 36 00-1789	EA		36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray 397.72	397.72	146.93
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i> 35.17		
26 05 36 00-1790			Dropout Or End Plate (26 05 36 00-1649)		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray 85.09	85.09	36.73
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray 101.68	101.68	44.82
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray 120.91	120.91	53.14
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray 133.52	133.52	58.77
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray 150.26	150.26	65.26
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray 170.55	170.55	73.47
26 05 36 00-1797			Vented Bottom Cable Tray (26 05 36 00-0001) Note: 6" Height.		
26 05 36 00-1798			Vented Bottom Galvanized Steel Cable Tray (26 05 36 00-1797)		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section 41.41	41.41	12.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -3.07		
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section 48.78	48.78	14.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -3.66		
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section 57.45	57.45	16.90
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -4.34		
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section 65.95	65.95	19.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -4.98		
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section 87.26	87.26	23.39
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -6.77		
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section 103.02	103.02	29.39
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -7.85		
26 05 36 00-1805			Vented Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1797)		
26 05 36 00-1806			90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)		
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray 380.72	380.72	154.77
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -25.18		
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray 494.84	494.84	209.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -32.03		
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray 612.53	612.53	266.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i> -39.01		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	751.32 -47.90	326.80
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	847.64 -54.09	368.07
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	971.41 -62.12	420.23
26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	453.24 -31.73	163.10
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	585.92 -39.74	226.15
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	742.33 -49.74	293.86
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	896.92 -59.08	367.34
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	960.79 -64.46	379.46
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,197.43 -78.93	489.78
26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	558.35 -41.46	172.41
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	718.64 -51.43	245.25
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	916.63 -64.43	326.80
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,091.48 -74.20	419.38
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,257.12 -84.90	489.78
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,469.32 -98.03	586.76
26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	353.92 -22.49	154.89
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	462.77 -28.82	209.38
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	575.02 -35.29	266.56
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	704.88 -43.30	326.19
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	796.11 -48.94	368.07
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	910.20 -56.08	419.38
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	413.58 -27.75	163.22
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	539.96 -35.15	226.15
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	687.55 -44.23	294.36
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	834.28 -52.82	367.34
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	956.58 -60.63	420.23
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,113.58 -70.54	489.78
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	499.29 -35.53	172.77
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	649.37 -44.56	244.52
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	834.80 -56.25	326.80
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,006.72 -65.65	420.23
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,160.14 -75.20	489.78
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,364.37 -87.38	588.71

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1848			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	415.65	154.28
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.70	
26 05 36 00-1850	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	525.84	209.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.13	
26 05 36 00-1851	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	624.01	266.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.15	
26 05 36 00-1852	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	749.03	326.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.67	
26 05 36 00-1853	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	822.38	368.07
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.57	
26 05 36 00-1854	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	919.29	419.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.99	
26 05 36 00-1855			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	499.16	163.10
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.32	
26 05 36 00-1857	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	618.06	226.15
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.96	
26 05 36 00-1858	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	756.11	293.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.12	
26 05 36 00-1859	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	887.73	367.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.16	
26 05 36 00-1860	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,008.83	419.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.94	
26 05 36 00-1861	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,140.03	489.78
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.19	
26 05 36 00-1862			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	595.09	172.41
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.14	
26 05 36 00-1864	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	734.71	245.25
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.04	
26 05 36 00-1865	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	907.45	326.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.51	
26 05 36 00-1866	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,086.89	419.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.75	
26 05 36 00-1867	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,213.50	489.78
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.54	
26 05 36 00-1868	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,418.81	586.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-92.98	
26 05 36 00-1869			12" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	675.75	293.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.09	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	817.64	366.60
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.21	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	934.68	420.23
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.44	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,087.22	489.78
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.91	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,199.81	533.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-75.49	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,317.79	586.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.88	
26 05 36 00-1876			24" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	851.37	326.19
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.95	
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,034.09	419.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.47	
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,190.54	489.78
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.24	
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,464.73	586.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-97.57	
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,617.43	653.62
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-107.27	
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,807.62	734.67
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-119.54	
26 05 36 00-1883			36" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,053.04	367.34
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-74.69	
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,319.11	489.78
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-91.10	
26 05 36 00-1886	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,529.86	588.71
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-103.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,885.68	734.67
For 4-5/8" Overall Height Instead Of 6", Deduct	-127.35	
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,104.44	842.55
For 4-5/8" Overall Height Instead Of 6", Deduct	-140.24	
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,454.79	976.99
For 4-5/8" Overall Height Instead Of 6", Deduct	-164.07	
26 05 36 00-1890 12" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	799.73	293.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-55.48	
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	926.76	367.34
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.07	
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	974.12	391.58
For 4-5/8" Overall Height Instead Of 6", Deduct	-64.78	
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,038.68	419.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.92	
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,114.43	452.43
For 4-5/8" Overall Height Instead Of 6", Deduct	-73.74	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,257.21	533.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-81.23	
26 05 36 00-1897 24" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	959.27	326.19
For 4-5/8" Overall Height Instead Of 6", Deduct	-68.74	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,135.11	419.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-78.57	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,210.86	452.43
For 4-5/8" Overall Height Instead Of 6", Deduct	-83.39	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,307.63	489.78
For 4-5/8" Overall Height Instead Of 6", Deduct	-89.95	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,406.45	533.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-96.15	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,649.58	653.62
For 4-5/8" Overall Height Instead Of 6", Deduct	-110.49	
26 05 36 00-1904 36" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,272.24	366.60
For 4-5/8" Overall Height Instead Of 6", Deduct	-96.67	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,493.60	489.78
For 4-5/8" Overall Height Instead Of 6", Deduct	-108.55	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,590.12	533.86
For 4-5/8" Overall Height Instead Of 6", Deduct	-114.52	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,727.31	588.71
For 4-5/8" Overall Height Instead Of 6", Deduct	-123.67	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,950.35	653.62
For 4-5/8" Overall Height Instead Of 6", Deduct	-140.57	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,270.23	838.62
For 4-5/8" Overall Height Instead Of 6", Deduct	-157.13	
26 05 36 00-1911 12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	851.00	367.34
For 4-5/8" Overall Height Instead Of 6", Deduct	-54.49	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	941.56	420.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-59.13	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,084.92	489.78
For 4-5/8" Overall Height Instead Of 6", Deduct	-67.68	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,260.39	586.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-77.14	
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,402.34	651.29
For 4-5/8" Overall Height Instead Of 6", Deduct	-85.96	
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,580.32	734.67
For 4-5/8" Overall Height Instead Of 6", Deduct	-96.81	
26 05 36 00-1918 24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,074.73	420.23
For 4-5/8" Overall Height Instead Of 6", Deduct	-72.45	
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,208.90	489.78
For 4-5/8" Overall Height Instead Of 6", Deduct	-80.08	
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,409.63	586.76
For 4-5/8" Overall Height Instead Of 6", Deduct	-92.06	
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,773.18	734.67
For 4-5/8" Overall Height Instead Of 6", Deduct	-116.10	
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	2,003.90	838.62
For 4-5/8" Overall Height Instead Of 6", Deduct	-130.50	
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	2,271.11	976.99
For 4-5/8" Overall Height Instead Of 6", Deduct	-145.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1925 36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,447.68	489.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-103.95	
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,644.66	588.71
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-115.41	
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,901.75	734.67
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-128.95	
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,452.02	982.13
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-163.35	
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,857.67	1,177.30
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-187.65	
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	3,413.19	1,469.34
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-218.87	
26 05 36 00-1932 Straight Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933 EA 12" To 6" Reducer, Vented Bottom, Steel Cable Tray	324.46	125.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.02	
26 05 36 00-1934 EA 18" To 12" Reducer, Vented Bottom, Steel Cable Tray	353.50	139.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.70	
26 05 36 00-1935 EA 24" To 18" Reducer, Vented Bottom, Steel Cable Tray	400.19	162.97
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.44	
26 05 36 00-1936 EA 30" To 24" Reducer, Vented Bottom, Steel Cable Tray	439.27	183.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.62	
26 05 36 00-1937 EA 36" To 30" Reducer, Vented Bottom, Steel Cable Tray	479.48	202.27
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.09	
26 05 36 00-1938 Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18" To 6" Reducer, Vented Bottom, Steel Cable Tray	353.50	139.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.70	
26 05 36 00-1940 EA 24" To 12" Reducer, Vented Bottom, Steel Cable Tray	398.38	163.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.23	
26 05 36 00-1941 EA 30" To 12" Reducer, Vented Bottom, Steel Cable Tray	436.67	183.42
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.38	
26 05 36 00-1942 EA 30" To 18" Reducer, Vented Bottom, Steel Cable Tray	438.66	183.30
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.59	
26 05 36 00-1943 EA 36" To 12" Reducer, Vented Bottom, Steel Cable Tray	477.18	202.27
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.86	
26 05 36 00-1944 EA 36" To 18" Reducer, Vented Bottom, Steel Cable Tray	479.48	202.27
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.09	
26 05 36 00-1945 EA 36" To 24" Reducer, Vented Bottom, Steel Cable Tray	482.51	202.77
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.36	
26 05 36 00-1946 Dropout Or End Plate <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	102.98	45.18
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	122.15	53.01
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	134.63	58.53
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	151.45	65.26
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	167.99	73.34
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	196.70	87.67
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section	38.34	9.55
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.03	
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section	42.56	10.53
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.38	
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section	47.61	11.76
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.78	
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section	55.50	13.10
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.45	
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section	63.74	14.57
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-5.16	
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section	81.09	16.78
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-6.71	
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section	90.16	19.71
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-7.38	
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	439.51	154.77
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.06	
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	477.48	167.99
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.74	
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	525.82	189.18
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.82	
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	594.24	209.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	710.61 -49.74	255.79
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	840.63 -59.54	294.36
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	926.35 -65.40	326.80
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	535.07 -39.91	163.10
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	645.83 -47.69	202.77
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	732.32 -54.38	226.15
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	871.26 -63.83	279.54
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,006.00 -73.46	325.70
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,112.32 -80.62	367.34
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	658.56 -51.48	172.41
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	786.89 -60.53	217.82
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	890.37 -68.60	245.25
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,041.76 -78.41	309.17
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,117.92 -86.82	299.62
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,370.07 -102.06	419.38
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	399.77 -27.07	154.89
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	434.30 -29.41	168.24
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	479.49 -32.19	189.18
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	539.98 -36.55	209.38
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	647.48 -43.46	255.42
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	763.62 -51.83	294.36
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	841.40 -56.95	326.19
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	477.40 -34.14	163.22
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	578.08 -40.91	202.77
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	654.61 -46.59	226.52
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	782.80 -54.95	280.03
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	906.03 -63.37	326.80
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,002.30 -69.62	367.34
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	577.45 -43.35	172.77
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	692.80 -51.17	217.34
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	784.40 -58.01	245.25
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	926.81 -66.87	309.79
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,058.95 -77.07	345.91
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,224.02 -87.38	420.23

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-2006		90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>			
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	478.33		154.28
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.97		
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	513.56		167.63
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.39		
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	552.14		189.18
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.45		
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	594.24		209.63
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.95		
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	697.45		255.79
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.43		
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	774.83		294.36
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.96		
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	830.61		326.19
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.88		
26 05 36 00-2014		90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>			
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	569.29		163.10
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.34		
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	661.62		202.77
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.27		
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	729.69		226.15
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.12		
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	824.60		280.03
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.13		
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	920.10		326.19
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.82		
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,007.04		367.34
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.09		
26 05 36 00-2021		90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>			
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	655.93		172.41
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.22		
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	757.94		217.82
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.64		
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	850.88		245.25
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.65		
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	994.38		309.17
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.67		
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,102.90		345.91
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.47		
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,241.09		419.38
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.17		
26 05 36 00-2028		12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>			
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	766.15		293.86
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.13		
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	799.61		309.17
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.19		
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	850.71		325.70
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.93		
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	971.42		368.07
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.47		
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,109.49		419.38
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.01		
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,255.86		489.78
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.77		
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,389.96		533.86
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.50		
26 05 36 00-2036		24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>			
26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	964.85		326.19
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.30		
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,090.05		366.60
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.45		
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,225.30		419.38
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-87.59		
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,472.16		488.43
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-106.51		
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,691.80		588.71
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.12		
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,918.48		653.62
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-137.38		
26 05 36 00-2043		36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,288.67	367.34
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-98.26	
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,475.35	419.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-112.59	
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,563.53	409.09
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-122.26	
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,004.51	586.76
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-151.55	
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,321.69	737.61
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-170.70	
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,661.18	838.62
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-196.23	
26 05 36 00-2050 12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	868.80	293.86
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-62.39	
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	897.00	309.17
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.93	
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	954.32	326.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.25	
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	989.72	345.91
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-70.15	
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,034.78	366.60
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.93	
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,094.88	391.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.85	
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,212.74	451.21
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-83.67	
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,080.66	326.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.88	
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,190.07	366.60
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-88.46	
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,271.24	391.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-94.49	
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,356.91	419.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-100.75	
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,462.79	451.21
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-108.67	
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,616.29	535.45
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-117.01	
26 05 36 00-2065 36" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,440.12	366.60
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-113.46	
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,580.64	419.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-123.12	
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,660.20	451.21
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-128.41	
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,792.36	491.12
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-138.31	
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,945.30	535.45
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-149.91	
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,190.99	651.29
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-164.82	
26 05 36 00-2072 12" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	888.52	326.19
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.67	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	944.98	345.91
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.67	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	992.47	368.07
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.57	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,096.33	419.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-74.69	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,256.32	488.43
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.93	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,424.23	532.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-98.06	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,736.87	653.62
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-119.22	
26 05 36 00-2080 24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,232.00	368.07
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-92.53	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,375.33	419.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-102.59	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2083	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,543.22	488.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-113.62	
26 05 36 00-2084	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,820.27	586.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-133.13	
26 05 36 00-2085	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,993.58	651.29
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-145.08	
26 05 36 00-2086	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	2,424.29	838.62
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-172.54	
26 05 36 00-2087			36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,712.24	419.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-136.28	
26 05 36 00-2089	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,897.65	491.12
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-148.84	
26 05 36 00-2090	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,149.28	586.76
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-166.03	
26 05 36 00-2091	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,584.90	737.61
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-197.02	
26 05 36 00-2092	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,878.16	842.55
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-217.61	
26 05 36 00-2093	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	3,339.12	976.99
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-252.50	
26 05 36 00-2094			Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095	EA		9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray.....	331.81	97.95
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.01	
26 05 36 00-2096	EA		12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray.....	348.32	103.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.23	
26 05 36 00-2097	EA		18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray.....	393.45	122.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.15	
26 05 36 00-2098	EA		24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray.....	435.45	139.71
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.91	
26 05 36 00-2099	EA		30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray.....	480.04	163.22
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.40	
26 05 36 00-2100	EA		36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray.....	521.33	183.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.86	
26 05 36 00-2101			Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102	EA		12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray.....	348.03	102.98
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.22	
26 05 36 00-2103	EA		18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray.....	393.31	122.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.14	
26 05 36 00-2104	EA		18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray.....	393.31	122.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.14	
26 05 36 00-2105	EA		24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray.....	435.63	139.83
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.92	
26 05 36 00-2106	EA		24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray.....	435.63	139.83
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.92	
26 05 36 00-2107	EA		24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray.....	435.99	139.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.93	
26 05 36 00-2108	EA		30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray.....	485.06	163.10
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.91	
26 05 36 00-2109	EA		30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray.....	479.56	162.97
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.38	
26 05 36 00-2110	EA		36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray.....	521.33	183.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.86	
26 05 36 00-2111	EA		36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray.....	521.33	183.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.86	
26 05 36 00-2112	EA		36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray.....	521.94	183.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.89	
26 05 36 00-2113			Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114	EA		6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	109.79	45.18
26 05 36 00-2115	EA		9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	119.80	49.34
26 05 36 00-2116	EA		12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	129.09	53.01
26 05 36 00-2117	EA		18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	146.64	58.53
26 05 36 00-2118	EA		24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	168.08	65.26
26 05 36 00-2119	EA		30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	185.47	73.34
26 05 36 00-2120	EA		36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	212.35	84.00
26 05 36 00-2121			Cable Tray Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122			Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123			Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124	LF		6" Steel Cable Tray Cover, Straight Section.....	10.96	2.21
26 05 36 00-2125	LF		9" Steel Cable Tray Cover, Straight Section.....	13.23	2.57
26 05 36 00-2126	LF		12" Steel Cable Tray Cover, Straight Section.....	15.57	2.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	21.10	3.92
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	26.74	5.27
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	32.44	6.49
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	147.37	73.59
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	67.06	7.84
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	75.00	9.18
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	81.22	10.90
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	110.50	13.96
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	135.27	17.76
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	163.63	19.71
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	197.65	23.51
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	103.98	8.69
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	108.74	10.16
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	122.63	12.24
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	152.11	15.55
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	186.53	19.59
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	239.68	22.53
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	278.76	26.70
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	147.11	9.79
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	163.49	11.27
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	177.13	13.96
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	224.66	16.28
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	271.86	22.65
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	320.42	25.59
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	374.92	29.39
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	51.46	7.84
<i>For 60 Degree Bend, Deduct</i>	-13.96	
<i>For 30 Degree Bend, Deduct</i>	-23.71	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	61.23	9.18
<i>For 60 Degree Bend, Deduct</i>	-16.68	
<i>For 30 Degree Bend, Deduct</i>	-28.32	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	68.59	10.90
<i>For 60 Degree Bend, Deduct</i>	-18.48	
<i>For 30 Degree Bend, Deduct</i>	-31.40	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	83.08	13.34
<i>For 60 Degree Bend, Deduct</i>	-22.30	
<i>For 30 Degree Bend, Deduct</i>	-37.91	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	96.98	15.43
<i>For 60 Degree Bend, Deduct</i>	-26.07	
<i>For 30 Degree Bend, Deduct</i>	-44.31	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	113.49	17.76
<i>For 60 Degree Bend, Deduct</i>	-30.62	
<i>For 30 Degree Bend, Deduct</i>	-52.03	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	126.79	19.59
<i>For 60 Degree Bend, Deduct</i>	-34.33	
<i>For 30 Degree Bend, Deduct</i>	-58.30	
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	70.70	8.69
<i>For 60 Degree Bend, Deduct</i>	-20.01	
<i>For 30 Degree Bend, Deduct</i>	-33.83	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	80.04	10.16
<i>For 60 Degree Bend, Deduct</i>	-22.53	
<i>For 30 Degree Bend, Deduct</i>	-38.11	
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	91.63	12.24
<i>For 60 Degree Bend, Deduct</i>	-25.53	
<i>For 30 Degree Bend, Deduct</i>	-43.24	
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	106.04	14.70
<i>For 60 Degree Bend, Deduct</i>	-29.35	
<i>For 30 Degree Bend, Deduct</i>	-49.74	
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	122.17	16.78
<i>For 60 Degree Bend, Deduct</i>	-33.87	
<i>For 30 Degree Bend, Deduct</i>	-57.38	
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	152.12	19.59
<i>For 60 Degree Bend, Deduct</i>	-42.67	
<i>For 30 Degree Bend, Deduct</i>	-72.21	
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	168.58	22.65
<i>For 60 Degree Bend, Deduct</i>	-46.96	
<i>For 30 Degree Bend, Deduct</i>	-79.52	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2172 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	97.78	9.79
For 60 Degree Bend, Deduct	-28.53	
For 30 Degree Bend, Deduct	-48.08	
26 05 36 00-2173 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	110.69	11.27
For 60 Degree Bend, Deduct	-32.19	
For 30 Degree Bend, Deduct	-54.28	
26 05 36 00-2174 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	124.26	13.96
For 60 Degree Bend, Deduct	-35.66	
For 30 Degree Bend, Deduct	-60.21	
26 05 36 00-2175 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	141.80	15.55
For 60 Degree Bend, Deduct	-40.85	
For 30 Degree Bend, Deduct	-68.94	
26 05 36 00-2176 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	172.83	18.98
For 60 Degree Bend, Deduct	-49.76	
For 30 Degree Bend, Deduct	-83.99	
26 05 36 00-2177 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	191.54	22.65
For 60 Degree Bend, Deduct	-54.53	
For 30 Degree Bend, Deduct	-92.15	
26 05 36 00-2178 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	226.81	24.49
For 60 Degree Bend, Deduct	-65.45	
For 30 Degree Bend, Deduct	-110.45	
26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2180 EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	58.07	7.84
26 05 36 00-2181 EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	61.23	9.18
26 05 36 00-2182 EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	67.44	10.90
26 05 36 00-2183 EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	78.52	13.34
26 05 36 00-2184 EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	86.20	17.27
26 05 36 00-2185 EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	95.90	19.71
26 05 36 00-2186 EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	120.65	23.51
26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2188 EA 6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	69.54	8.69
26 05 36 00-2189 EA 9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	77.74	10.16
26 05 36 00-2190 EA 12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	83.60	12.24
26 05 36 00-2191 EA 18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	108.29	14.70
26 05 36 00-2192 EA 24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	125.72	18.98
26 05 36 00-2193 EA 30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	144.43	22.65
26 05 36 00-2194 EA 36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	166.25	26.70
26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2196 EA 6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	80.53	9.79
26 05 36 00-2197 EA 9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	100.36	11.27
26 05 36 00-2198 EA 12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	115.14	13.96
26 05 36 00-2199 EA 18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	141.80	15.55
26 05 36 00-2200 EA 24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	164.77	21.67
26 05 36 00-2201 EA 30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	196.44	25.59
26 05 36 00-2202 EA 36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	230.28	29.39
26 05 36 00-2203 12" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2204 EA 6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	102.82	12.73
26 05 36 00-2205 EA 9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	108.29	14.70
26 05 36 00-2206 EA 12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	122.84	17.27
26 05 36 00-2207 EA 18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	147.53	19.59
26 05 36 00-2208 EA 24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	182.35	22.65
26 05 36 00-2209 EA 30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	224.22	32.57
26 05 36 00-2210 EA 36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	269.49	39.06
26 05 36 00-2211 24" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2212 EA 6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	150.83	13.34
26 05 36 00-2213 EA 9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	172.79	15.55
26 05 36 00-2214 EA 12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	182.11	18.37
26 05 36 00-2215 EA 18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	230.16	21.06
26 05 36 00-2216 EA 24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	339.18	24.49
26 05 36 00-2217 EA 30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	401.07	36.73
26 05 36 00-2218 EA 36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	449.55	45.18
26 05 36 00-2219 36" Radius Horizontal Tees <small>(26 05 36 00-2122)</small>		
26 05 36 00-2220 EA 6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	255.16	13.96
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	263.66	16.28
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	294.43	19.59
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	345.43	22.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	448.65	26.70
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	508.66	42.12
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	587.00	53.26
26 05 36 00-2227 12" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	150.45	17.27
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	159.18	18.37
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	176.23	19.59
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	207.61	22.65
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	260.91	32.57
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	301.57	39.06
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	345.43	42.00
26 05 36 00-2235 24" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	262.54	18.37
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	285.25	19.59
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	305.93	21.06
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	364.44	24.49
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	456.12	36.73
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	520.62	45.18
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	581.97	48.86
26 05 36 00-2243 36" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	420.70	19.59
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	436.81	21.06
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	460.22	22.65
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	531.31	26.70
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	690.00	42.00
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	754.98	53.51
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	809.69	58.77
26 05 36 00-2251 Reducers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2252 EA 9" To 6" Reducer, Steel Cable Tray Covers.....	66.97	9.18
26 05 36 00-2253 EA 12" To 6" Reducer, Steel Cable Tray Covers.....	72.07	10.90
26 05 36 00-2254 EA 12" To 9" Reducer, Steel Cable Tray Covers.....	72.07	10.90
26 05 36 00-2255 EA 18" To 6" Reducer, Steel Cable Tray Covers.....	79.66	13.34
26 05 36 00-2256 EA 18" To 12" Reducer, Steel Cable Tray Covers.....	79.66	13.34
26 05 36 00-2257 EA 24" To 12" Reducer, Steel Cable Tray Covers.....	97.96	14.70
26 05 36 00-2258 EA 24" To 18" Reducer, Steel Cable Tray Covers.....	104.85	14.70
26 05 36 00-2259 EA 30" To 12" Reducer, Steel Cable Tray Covers.....	101.48	16.78
26 05 36 00-2260 EA 30" To 18" Reducer, Steel Cable Tray Covers.....	108.37	16.78
26 05 36 00-2261 EA 30" To 24" Reducer, Steel Cable Tray Covers.....	112.96	16.78
26 05 36 00-2262 EA 36" To 12" Reducer, Steel Cable Tray Covers.....	117.80	18.37
26 05 36 00-2263 EA 36" To 18" Reducer, Steel Cable Tray Covers.....	120.09	18.37
26 05 36 00-2264 EA 36" To 24" Reducer, Steel Cable Tray Covers.....	122.39	18.37
26 05 36 00-2265 EA 36" To 30" Reducer, Steel Cable Tray Covers.....	123.54	18.37
26 05 36 00-2266 Aluminum Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2267 Ventilated Straight Sections <small>(26 05 36 00-2266)</small>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section	11.96	2.21
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section	14.27	2.57
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section	16.77	2.94
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section	22.31	3.92
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section	28.67	5.27
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section	32.59	6.49
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section	145.77	73.59
26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	64.50	7.84
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	68.93	9.18
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	76.17	10.90
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	99.22	13.96
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	125.74	17.76
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	147.83	19.71
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	179.99	23.51
26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	84.82	8.69
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	104.04	10.16
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	116.54	12.24
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	139.78	15.55
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	173.46	19.59

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	209.68	22.53
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	256.83	26.70
26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	136.89	9.79
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	150.67	11.27
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	173.00	13.96
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	205.95	16.28
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	254.40	22.65
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	292.85	25.59
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	341.59	29.39
26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	51.10	7.84
For 60 Degree Bend, Deduct	-13.85	
For 30 Degree Bend, Deduct	-23.51	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	54.41	9.18
For 60 Degree Bend, Deduct	-14.43	
For 30 Degree Bend, Deduct	-24.57	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	61.87	10.90
For 60 Degree Bend, Deduct	-16.26	
For 30 Degree Bend, Deduct	-27.70	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	72.51	13.34
For 60 Degree Bend, Deduct	-18.81	
For 30 Degree Bend, Deduct	-32.10	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	81.67	15.43
For 60 Degree Bend, Deduct	-21.01	
For 30 Degree Bend, Deduct	-35.89	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	100.07	17.76
For 60 Degree Bend, Deduct	-26.19	
For 30 Degree Bend, Deduct	-44.65	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	117.56	19.59
For 60 Degree Bend, Deduct	-31.28	
For 30 Degree Bend, Deduct	-53.23	
26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	58.58	8.69
For 60 Degree Bend, Deduct	-16.01	
For 30 Degree Bend, Deduct	-27.16	
26 05 36 00-2309 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	72.76	10.16
For 60 Degree Bend, Deduct	-20.12	
For 30 Degree Bend, Deduct	-34.10	
26 05 36 00-2310 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	78.55	12.24
For 60 Degree Bend, Deduct	-21.22	
For 30 Degree Bend, Deduct	-36.04	
26 05 36 00-2311 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	94.91	14.70
For 60 Degree Bend, Deduct	-25.68	
For 30 Degree Bend, Deduct	-43.62	
26 05 36 00-2312 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	115.18	16.78
For 60 Degree Bend, Deduct	-31.56	
For 30 Degree Bend, Deduct	-53.54	
26 05 36 00-2313 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	133.27	19.59
For 60 Degree Bend, Deduct	-36.45	
For 30 Degree Bend, Deduct	-61.84	
26 05 36 00-2314 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	153.89	22.65
For 60 Degree Bend, Deduct	-42.11	
For 30 Degree Bend, Deduct	-71.44	
26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2316 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	92.24	9.79
For 60 Degree Bend, Deduct	-26.70	
For 30 Degree Bend, Deduct	-45.04	
26 05 36 00-2317 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	101.52	11.27
For 60 Degree Bend, Deduct	-29.17	
For 30 Degree Bend, Deduct	-49.24	
26 05 36 00-2318 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	110.38	13.96
For 60 Degree Bend, Deduct	-31.08	
For 30 Degree Bend, Deduct	-52.58	
26 05 36 00-2319 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	130.87	15.55
For 60 Degree Bend, Deduct	-37.24	
For 30 Degree Bend, Deduct	-62.93	
26 05 36 00-2320 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	158.99	18.98
For 60 Degree Bend, Deduct	-45.19	
For 30 Degree Bend, Deduct	-76.37	
26 05 36 00-2321 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	182.94	22.65
For 60 Degree Bend, Deduct	-51.70	
For 30 Degree Bend, Deduct	-87.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2322 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	206.18	24.49
<i>For 60 Degree Bend, Deduct</i>	-58.65	
<i>For 30 Degree Bend, Deduct</i>	-99.11	
26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324 EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	56.86	7.84
26 05 36 00-2325 EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	59.44	9.18
26 05 36 00-2326 EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	66.12	10.90
26 05 36 00-2327 EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	78.13	13.34
26 05 36 00-2328 EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	86.89	17.27
26 05 36 00-2329 EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	91.97	19.71
26 05 36 00-2330 EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	110.64	23.51
26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	64.71	8.69
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	71.64	10.16
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	79.67	12.24
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	95.99	14.70
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	109.79	18.98
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	138.21	22.65
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	154.05	26.70
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	74.33	9.79
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	90.35	11.27
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	105.97	13.96
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	126.40	15.55
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	154.62	21.67
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	192.31	25.59
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	209.77	29.39
26 05 36 00-2347 12" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	92.81	12.73
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	100.46	14.70
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	113.61	17.27
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	133.27	19.59
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	165.07	22.65
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	204.02	32.57
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	246.13	39.06
26 05 36 00-2355 24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	138.44	13.34
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	155.44	15.55
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	175.81	18.37
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	204.82	21.06
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	311.06	24.49
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	360.67	36.73
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	408.22	45.18
26 05 36 00-2363 36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	235.53	13.96
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	243.91	16.28
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	271.76	19.59
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	308.12	22.65
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	388.65	26.70
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	456.68	42.12
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	524.47	53.26
26 05 36 00-2371 12" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	138.25	17.27
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	146.79	18.37
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	162.32	19.59
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	194.11	22.65
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	235.26	32.57
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	279.58	39.06
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	317.93	42.00
26 05 36 00-2379 24" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	245.14	18.37
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	262.83	19.59
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	283.02	21.06

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	328.94	24.49
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	405.30	36.73
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	477.39	45.18
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	517.15	48.86
26 05 36 00-2387 36" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	376.77	19.59
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	394.74	21.06
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	424.31	22.65
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	469.09	26.70
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	595.16	42.00
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	692.42	53.51
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	757.07	58.77
26 05 36 00-2395 Reducers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396 EA 9" To 6" Reducer, Aluminum Cable Tray Covers.....	70.05	9.18
26 05 36 00-2397 EA 12" To 6" Reducer, Aluminum Cable Tray Covers.....	75.09	10.90
26 05 36 00-2398 EA 12" To 9" Reducer, Aluminum Cable Tray Covers.....	75.09	10.90
26 05 36 00-2399 EA 18" To 6" Reducer, Aluminum Cable Tray Covers.....	84.81	13.34
26 05 36 00-2400 EA 18" To 12" Reducer, Aluminum Cable Tray Covers.....	84.81	13.34
26 05 36 00-2401 EA 24" To 12" Reducer, Aluminum Cable Tray Covers.....	93.75	14.70
26 05 36 00-2402 EA 24" To 18" Reducer, Aluminum Cable Tray Covers.....	102.65	14.70
26 05 36 00-2403 EA 30" To 12" Reducer, Aluminum Cable Tray Covers.....	108.45	16.78
26 05 36 00-2404 EA 30" To 18" Reducer, Aluminum Cable Tray Covers.....	111.77	16.78
26 05 36 00-2405 EA 30" To 24" Reducer, Aluminum Cable Tray Covers.....	114.06	16.78
26 05 36 00-2406 EA 36" To 12" Reducer, Aluminum Cable Tray Covers.....	119.92	18.37
26 05 36 00-2407 EA 36" To 18" Reducer, Aluminum Cable Tray Covers.....	122.16	18.37
26 05 36 00-2408 EA 36" To 24" Reducer, Aluminum Cable Tray Covers.....	123.27	18.37
26 05 36 00-2409 EA 36" To 30" Reducer, Aluminum Cable Tray Covers.....	124.39	18.37
26 05 36 00-2410 Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411 Straight Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight.....	11.21	2.94
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight.....	13.21	3.18
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight.....	16.34	3.67
26 05 36 00-2415 3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	66.02	21.06
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	75.16	21.79
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	79.04	22.65
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	90.84	23.51
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	86.25	23.51
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	93.58	24.49
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	109.19	25.59
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	135.26	26.70
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	107.71	26.70
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	120.12	28.04
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	135.08	29.39
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	170.94	30.98
26 05 36 00-2428 4" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	75.73	21.79
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	83.63	22.65
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	90.84	23.51
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	103.91	24.49
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	103.91	24.49
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	121.82	25.59
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	134.11	26.70
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	166.04	28.04
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	116.08	25.59
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	128.37	26.70
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	152.26	28.04
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	192.48	29.39
26 05 36 00-2441 6" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	83.82	24.49
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	90.82	25.59
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	99.67	26.70
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	115.53	28.04
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	105.75	25.59
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	123.78	26.70
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	137.34	28.04
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	168.37	29.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	118.04	26.70
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	137.34	28.04
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	168.37	29.39
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	205.38	30.98
26 05 36 00-2454 Horizontal Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	73.83	17.76
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	82.06	19.59
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	99.38	21.79
26 05 36 00-2458 Aluminum Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2459 Straight Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight	10.80	2.82
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	12.75	3.06
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	15.70	3.43
26 05 36 00-2463 3" Deep Vertical Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	58.27	20.33
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	63.89	21.06
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	70.02	21.79
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	80.47	22.65
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	78.34	22.65
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	86.22	23.51
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	99.57	24.49
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	122.79	25.59
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	104.62	25.59
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	124.75	26.70
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	150.35	28.04
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	184.75	29.39
26 05 36 00-2476 4" Deep Vertical Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	69.55	21.06
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	76.33	21.79
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	83.68	22.65
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	93.70	23.51
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	92.63	23.51
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	107.05	24.49
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	120.65	25.59
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	151.48	26.70
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	124.16	24.49
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	149.52	25.59
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	175.00	26.70
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	211.29	28.04
26 05 36 00-2489 6" Deep Vertical Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	77.03	23.51
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	85.67	24.49
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	89.65	25.59
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	100.16	26.70
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	96.36	24.49
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	118.52	25.59
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	127.96	26.70
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	159.97	28.04
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	127.07	25.59
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	157.89	26.70
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	180.29	28.04
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	209.34	29.39
26 05 36 00-2502 Horizontal Dividers <small>(26 05 36 00-2458)</small>		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	66.95	16.78
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	73.37	18.37
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	90.45	20.33
26 05 36 00-2506 Cable Tray Wall Brackets <small>(26 05 36 00-0001)</small>		
26 05 36 00-2507 Wall Brackets <small>(26 05 36 00-2506)</small>		
26 05 36 00-2508 EA 6" Wide Cable Tray Wall Bracket	90.77	24.49
26 05 36 00-2509 EA 9" Wide Cable Tray Wall Bracket	94.03	25.59
26 05 36 00-2510 EA 12" Wide Cable Tray Wall Bracket	103.14	26.70
26 05 36 00-2511 EA 18" Wide Cable Tray Wall Bracket	109.50	28.04
26 05 36 00-2512 EA 24" Wide Cable Tray Wall Bracket	118.97	29.39
26 05 36 00-2513 EA 30" Wide Cable Tray Wall Bracket	141.53	30.98

26 Electrical
26 05 Common Work Results for Electrical
26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2514	EA		36" Wide Cable Tray Wall Bracket.....	169.37	33.06
26 05 36 00-2515			Fiberglass Cable Tray (26 05 36 00-0001)		
26 05 36 00-2516			Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2515) Note: Excludes hangers and support system.		
26 05 36 00-2517			Straight Tray Sections (26 05 36 00-2516)		
26 05 36 00-2518	LF		6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	13.30 0.29 1.26 2.31 -0.21 3.26 3.97	3.31
26 05 36 00-2519	LF		9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	14.80 0.30 1.30 2.39 -0.22 3.52 4.24	4.04
26 05 36 00-2520	LF		12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	16.26 0.31 1.34 2.45 -0.22 3.78 4.49	4.90
26 05 36 00-2521	LF		18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	19.38 0.34 1.44 2.64 -0.24 4.35 5.06	6.49
26 05 36 00-2522	LF		24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	22.48 0.36 1.54 2.82 -0.26 4.91 5.63	8.21
26 05 36 00-2523	LF		30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	24.57 0.39 1.67 3.06 -0.28 5.35 6.13	8.94
26 05 36 00-2524	LF		36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	26.71 0.42 1.80 3.31 -0.30 5.81 6.64	9.79
26 05 36 00-2525			90 Degree Horizontal Elbows (26 05 36 00-2516)		
26 05 36 00-2526	EA		6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add For 60 Degree Bend, Deduct For 45 Degree Bend, Deduct For 30 Degree Bend, Deduct	70.73 1.19 5.10 9.35 -0.85 15.71 18.19 -14.89 -20.47 -26.05	24.49
26 05 36 00-2527	EA		9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add For 60 Degree Bend, Deduct For 45 Degree Bend, Deduct For 30 Degree Bend, Deduct	78.80 1.26 5.39 9.89 -0.90 17.21 19.74 -16.15 -22.25 -28.34	28.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	91.77	35.88
For 9" Rung Spacing, Add	1.33	
For 6" Rung Spacing, Add	5.68	
For 4" Rung Spacing, Add	10.42	
For 18" Rung Spacing, Deduct	-0.95	
For Solid Bottom, Add	19.45	
For Vented Trough Bottom, Add	21.89	
For 60 Degree Bend, Deduct	-17.89	
For 45 Degree Bend, Deduct	-24.75	
For 30 Degree Bend, Deduct	-31.62	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	108.41	43.34
For 9" Rung Spacing, Add	1.52	
For 6" Rung Spacing, Add	6.53	
For 4" Rung Spacing, Add	11.97	
For 18" Rung Spacing, Deduct	-1.09	
For Solid Bottom, Add	22.79	
For Vented Trough Bottom, Add	25.52	
For 60 Degree Bend, Deduct	-20.85	
For 45 Degree Bend, Deduct	-28.88	
For 30 Degree Bend, Deduct	-36.91	
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	122.56	49.83
For 9" Rung Spacing, Add	1.68	
For 6" Rung Spacing, Add	7.18	
For 4" Rung Spacing, Add	13.16	
For 18" Rung Spacing, Deduct	-1.20	
For Solid Bottom, Add	25.56	
For Vented Trough Bottom, Add	28.48	
For 60 Degree Bend, Deduct	-23.26	
For 45 Degree Bend, Deduct	-32.26	
For 30 Degree Bend, Deduct	-41.26	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	134.59	53.14
For 9" Rung Spacing, Add	1.93	
For 6" Rung Spacing, Add	8.25	
For 4" Rung Spacing, Add	15.13	
For 18" Rung Spacing, Deduct	-1.38	
For Solid Bottom, Add	28.44	
For Vented Trough Bottom, Add	31.95	
For 60 Degree Bend, Deduct	-26.11	
For 45 Degree Bend, Deduct	-36.14	
For 30 Degree Bend, Deduct	-46.17	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	148.88	57.18
For 9" Rung Spacing, Add	2.21	
For 6" Rung Spacing, Add	9.48	
For 4" Rung Spacing, Add	17.37	
For 18" Rung Spacing, Deduct	-1.58	
For Solid Bottom, Add	31.81	
For Vented Trough Bottom, Add	35.98	
For 60 Degree Bend, Deduct	-29.42	
For 45 Degree Bend, Deduct	-40.65	
For 30 Degree Bend, Deduct	-51.89	
26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	106.24	24.49
For 9" Rung Spacing, Add	2.43	
For 6" Rung Spacing, Add	10.43	
For 4" Rung Spacing, Add	19.12	
For 18" Rung Spacing, Deduct	-1.74	
For Solid Bottom, Add	26.36	
For Vented Trough Bottom, Add	32.40	
For 60 Degree Bend, Deduct	-26.61	
For 45 Degree Bend, Deduct	-36.09	
For 30 Degree Bend, Deduct	-45.58	
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass	113.34	28.53
For 9" Rung Spacing, Add	2.47	
For 6" Rung Spacing, Add	10.57	
For 4" Rung Spacing, Add	19.38	
For 18" Rung Spacing, Deduct	-1.76	
For Solid Bottom, Add	27.57	
For Vented Trough Bottom, Add	33.55	
For 60 Degree Bend, Deduct	-27.55	
For 45 Degree Bend, Deduct	-37.44	
For 30 Degree Bend, Deduct	-47.34	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	125.34	35.88
For 9" Rung Spacing, Add	2.50	
For 6" Rung Spacing, Add	10.72	
For 4" Rung Spacing, Add	19.65	
For 18" Rung Spacing, Deduct	-1.79	
For Solid Bottom, Add	29.52	
For Vented Trough Bottom, Add	35.32	
For 60 Degree Bend, Deduct	-28.97	
For 45 Degree Bend, Deduct	-39.52	
For 30 Degree Bend, Deduct	-50.08	

26 Electrical

26 05 Common Work Results for Electrical

26 05 36 Cable Trays for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2537	EA		18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	138.51	43.34
			<i>For 9" Rung Spacing, Add</i>	2.58	
			<i>For 6" Rung Spacing, Add</i>	11.04	
			<i>For 4" Rung Spacing, Add</i>	20.25	
			<i>For 18" Rung Spacing, Deduct</i>	-1.84	
			<i>For Solid Bottom, Add</i>	31.82	
			<i>For Vented Trough Bottom, Add</i>	37.56	
			<i>For 60 Degree Bend, Deduct</i>	-30.78	
			<i>For 45 Degree Bend, Deduct</i>	-42.13	
			<i>For 30 Degree Bend, Deduct</i>	-53.47	
26 05 36 00-2538	EA		24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	150.27	49.83
			<i>For 9" Rung Spacing, Add</i>	2.64	
			<i>For 6" Rung Spacing, Add</i>	11.34	
			<i>For 4" Rung Spacing, Add</i>	20.78	
			<i>For 18" Rung Spacing, Deduct</i>	-1.89	
			<i>For Solid Bottom, Add</i>	33.88	
			<i>For Vented Trough Bottom, Add</i>	39.57	
			<i>For 60 Degree Bend, Deduct</i>	-32.41	
			<i>For 45 Degree Bend, Deduct</i>	-44.46	
			<i>For 30 Degree Bend, Deduct</i>	-56.50	
26 05 36 00-2539	EA		30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	157.11	53.14
			<i>For 9" Rung Spacing, Add</i>	2.71	
			<i>For 6" Rung Spacing, Add</i>	11.63	
			<i>For 4" Rung Spacing, Add</i>	21.32	
			<i>For 18" Rung Spacing, Deduct</i>	-1.94	
			<i>For Solid Bottom, Add</i>	35.19	
			<i>For Vented Trough Bottom, Add</i>	40.96	
			<i>For 60 Degree Bend, Deduct</i>	-33.54	
			<i>For 45 Degree Bend, Deduct</i>	-46.05	
			<i>For 30 Degree Bend, Deduct</i>	-58.55	
26 05 36 00-2540	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	171.35	57.18
			<i>For 9" Rung Spacing, Add</i>	3.00	
			<i>For 6" Rung Spacing, Add</i>	12.85	
			<i>For 4" Rung Spacing, Add</i>	23.55	
			<i>For 18" Rung Spacing, Deduct</i>	-2.14	
			<i>For Solid Bottom, Add</i>	38.55	
			<i>For Vented Trough Bottom, Add</i>	44.97	
			<i>For 60 Degree Bend, Deduct</i>	-36.83	
			<i>For 45 Degree Bend, Deduct</i>	-50.54	
			<i>For 30 Degree Bend, Deduct</i>	-64.24	
26 05 36 00-2541			Horizontal Tees (26 05 36 00-2516)		
26 05 36 00-2542	EA		6" Horizontal Tee, Fiberglass Cable Tray	151.81	61.22
			<i>For 9" Rung Spacing, Add</i>	2.10	
			<i>For 6" Rung Spacing, Add</i>	9.00	
			<i>For 4" Rung Spacing, Add</i>	16.49	
			<i>For 18" Rung Spacing, Deduct</i>	-1.50	
			<i>For Solid Bottom, Add</i>	31.77	
			<i>For Vented Trough Bottom, Add</i>	35.47	
26 05 36 00-2543	EA		9" Horizontal Tee, Fiberglass Cable Tray	170.11	71.88
			<i>For 9" Rung Spacing, Add</i>	2.18	
			<i>For 6" Rung Spacing, Add</i>	9.35	
			<i>For 4" Rung Spacing, Add</i>	17.15	
			<i>For 18" Rung Spacing, Deduct</i>	-1.56	
			<i>For Solid Bottom, Add</i>	34.87	
			<i>For Vented Trough Bottom, Add</i>	38.41	
26 05 36 00-2544	EA		12" Horizontal Tee, Fiberglass Cable Tray	193.31	85.71
			<i>For 9" Rung Spacing, Add</i>	2.27	
			<i>For 6" Rung Spacing, Add</i>	9.71	
			<i>For 4" Rung Spacing, Add</i>	17.80	
			<i>For 18" Rung Spacing, Deduct</i>	-1.62	
			<i>For Solid Bottom, Add</i>	38.71	
			<i>For Vented Trough Bottom, Add</i>	41.97	
26 05 36 00-2545	EA		18" Horizontal Tee, Fiberglass Cable Tray	215.72	96.37
			<i>For 9" Rung Spacing, Add</i>	2.49	
			<i>For 6" Rung Spacing, Add</i>	10.69	
			<i>For 4" Rung Spacing, Add</i>	19.59	
			<i>For 18" Rung Spacing, Deduct</i>	-1.78	
			<i>For Solid Bottom, Add</i>	43.04	
			<i>For Vented Trough Bottom, Add</i>	46.56	
26 05 36 00-2546	EA		24" Horizontal Tee, Fiberglass Cable Tray	227.04	100.41
			<i>For 9" Rung Spacing, Add</i>	2.68	
			<i>For 6" Rung Spacing, Add</i>	11.47	
			<i>For 4" Rung Spacing, Add</i>	21.02	
			<i>For 18" Rung Spacing, Deduct</i>	-1.91	
			<i>For Solid Bottom, Add</i>	45.52	
			<i>For Vented Trough Bottom, Add</i>	49.40	
26 05 36 00-2547	EA		30" Horizontal Tee, Fiberglass Cable Tray	243.62	106.16
			<i>For 9" Rung Spacing, Add</i>	2.96	
			<i>For 6" Rung Spacing, Add</i>	12.67	
			<i>For 4" Rung Spacing, Add</i>	23.22	
			<i>For 18" Rung Spacing, Deduct</i>	-2.11	
			<i>For Solid Bottom, Add</i>	49.21	
			<i>For Vented Trough Bottom, Add</i>	53.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray	264.71	114.37
For 9" Rung Spacing, Add	3.27	
For 6" Rung Spacing, Add	13.99	
For 4" Rung Spacing, Add	25.65	
For 18" Rung Spacing, Deduct	-2.33	
For Solid Bottom, Add	53.70	
For Vented Trough Bottom, Add	58.74	
26 05 36 00-2549 Horizontal Crosses <small>(26 05 36 00-2516)</small>		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	236.04	106.16
For 9" Rung Spacing, Add	2.69	
For 6" Rung Spacing, Add	11.53	
For 4" Rung Spacing, Add	21.14	
For 18" Rung Spacing, Deduct	-1.92	
For Solid Bottom, Add	46.94	
For Vented Trough Bottom, Add	50.64	
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	250.56	114.37
For 9" Rung Spacing, Add	2.77	
For 6" Rung Spacing, Add	11.87	
For 4" Rung Spacing, Add	21.77	
For 18" Rung Spacing, Deduct	-1.98	
For Solid Bottom, Add	49.46	
For Vented Trough Bottom, Add	53.09	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	265.09	122.56
For 9" Rung Spacing, Add	2.85	
For 6" Rung Spacing, Add	12.21	
For 4" Rung Spacing, Add	22.39	
For 18" Rung Spacing, Deduct	-2.04	
For Solid Bottom, Add	51.98	
For Vented Trough Bottom, Add	55.53	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	283.82	130.65
For 9" Rung Spacing, Add	3.08	
For 6" Rung Spacing, Add	13.19	
For 4" Rung Spacing, Add	24.18	
For 18" Rung Spacing, Deduct	-2.20	
For Solid Bottom, Add	55.76	
For Vented Trough Bottom, Add	59.65	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	301.04	138.86
For 9" Rung Spacing, Add	3.25	
For 6" Rung Spacing, Add	13.93	
For 4" Rung Spacing, Add	25.54	
For 18" Rung Spacing, Deduct	-2.32	
For Solid Bottom, Add	59.09	
For Vented Trough Bottom, Add	63.17	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	321.52	147.05
For 9" Rung Spacing, Add	3.54	
For 6" Rung Spacing, Add	15.17	
For 4" Rung Spacing, Add	27.81	
For 18" Rung Spacing, Deduct	-2.53	
For Solid Bottom, Add	63.40	
For Vented Trough Bottom, Add	68.00	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	348.05	157.59
For 9" Rung Spacing, Add	3.91	
For 6" Rung Spacing, Add	16.76	
For 4" Rung Spacing, Add	30.72	
For 18" Rung Spacing, Deduct	-2.79	
For Solid Bottom, Add	68.97	
For Vented Trough Bottom, Add	74.23	
26 05 36 00-2557 Horizontal Wyes <small>(26 05 36 00-2516)</small>		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	145.75	61.22
For 9" Rung Spacing, Add	1.89	
For 6" Rung Spacing, Add	8.09	
For 4" Rung Spacing, Add	14.83	
For 18" Rung Spacing, Deduct	-1.35	
For Solid Bottom, Add	29.95	
For Vented Trough Bottom, Add	33.05	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	154.06	65.38
For 9" Rung Spacing, Add	1.96	
For 6" Rung Spacing, Add	8.42	
For 4" Rung Spacing, Add	15.43	
For 18" Rung Spacing, Deduct	-1.40	
For Solid Bottom, Add	31.52	
For Vented Trough Bottom, Add	34.69	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	186.82	85.71
For 9" Rung Spacing, Add	2.04	
For 6" Rung Spacing, Add	8.74	
For 4" Rung Spacing, Add	16.02	
For 18" Rung Spacing, Deduct	-1.46	
For Solid Bottom, Add	36.76	
For Vented Trough Bottom, Add	39.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2561	EA		18" Horizontal Wye, Fiberglass Cable Tray	208.58	96.37
			<i>For 9" Rung Spacing, Add</i>	2.24	
			<i>For 6" Rung Spacing, Add</i>	9.62	
			<i>For 4" Rung Spacing, Add</i>	17.63	
			<i>For 18" Rung Spacing, Deduct</i>	-1.60	
			<i>For Solid Bottom, Add</i>	40.90	
			<i>For Vented Trough Bottom, Add</i>	43.70	
26 05 36 00-2562	EA		24" Horizontal Wye, Fiberglass Cable Tray	219.24	100.41
			<i>For 9" Rung Spacing, Add</i>	2.40	
			<i>For 6" Rung Spacing, Add</i>	10.30	
			<i>For 4" Rung Spacing, Add</i>	18.88	
			<i>For 18" Rung Spacing, Deduct</i>	-1.72	
			<i>For Solid Bottom, Add</i>	43.18	
			<i>For Vented Trough Bottom, Add</i>	46.28	
26 05 36 00-2563	EA		30" Horizontal Wye, Fiberglass Cable Tray	235.17	106.16
			<i>For 9" Rung Spacing, Add</i>	2.66	
			<i>For 6" Rung Spacing, Add</i>	11.40	
			<i>For 4" Rung Spacing, Add</i>	20.90	
			<i>For 18" Rung Spacing, Deduct</i>	-1.90	
			<i>For Solid Bottom, Add</i>	46.68	
			<i>For Vented Trough Bottom, Add</i>	50.30	
26 05 36 00-2564	EA		36" Horizontal Wye, Fiberglass Cable Tray	255.39	114.37
			<i>For 9" Rung Spacing, Add</i>	2.94	
			<i>For 6" Rung Spacing, Add</i>	12.60	
			<i>For 4" Rung Spacing, Add</i>	23.09	
			<i>For 18" Rung Spacing, Deduct</i>	-2.10	
			<i>For Solid Bottom, Add</i>	50.90	
			<i>For Vented Trough Bottom, Add</i>	55.02	
26 05 36 00-2565			Straight Reducers <small>(26 05 36 00-2516)</small>		
26 05 36 00-2566	EA		9" To 6" Reducer, Fiberglass Cable Tray	67.26	24.49
			<i>For 9" Rung Spacing, Add</i>	1.07	
			<i>For 6" Rung Spacing, Add</i>	4.58	
			<i>For 4" Rung Spacing, Add</i>	8.40	
			<i>For 18" Rung Spacing, Deduct</i>	-0.76	
			<i>For Solid Bottom, Add</i>	14.67	
			<i>For Vented Trough Bottom, Add</i>	16.80	
26 05 36 00-2567	EA		12" To 9" Reducer, Fiberglass Cable Tray	73.83	28.53
			<i>For 9" Rung Spacing, Add</i>	1.08	
			<i>For 6" Rung Spacing, Add</i>	4.65	
			<i>For 4" Rung Spacing, Add</i>	8.52	
			<i>For 18" Rung Spacing, Deduct</i>	-0.77	
			<i>For Solid Bottom, Add</i>	15.72	
			<i>For Vented Trough Bottom, Add</i>	17.75	
26 05 36 00-2568	EA		18" To 12" Reducer, Fiberglass Cable Tray	80.38	32.70
			<i>For 9" Rung Spacing, Add</i>	1.10	
			<i>For 6" Rung Spacing, Add</i>	4.71	
			<i>For 4" Rung Spacing, Add</i>	8.64	
			<i>For 18" Rung Spacing, Deduct</i>	-0.79	
			<i>For Solid Bottom, Add</i>	16.77	
			<i>For Vented Trough Bottom, Add</i>	18.68	
26 05 36 00-2569	EA		24" To 18" Reducer, Fiberglass Cable Tray	86.36	35.88
			<i>For 9" Rung Spacing, Add</i>	1.14	
			<i>For 6" Rung Spacing, Add</i>	4.87	
			<i>For 4" Rung Spacing, Add</i>	8.93	
			<i>For 18" Rung Spacing, Deduct</i>	-0.81	
			<i>For Solid Bottom, Add</i>	17.83	
			<i>For Vented Trough Bottom, Add</i>	19.73	
26 05 36 00-2570	EA		30" To 24" Reducer, Fiberglass Cable Tray	96.67	39.18
			<i>For 9" Rung Spacing, Add</i>	1.33	
			<i>For 6" Rung Spacing, Add</i>	5.69	
			<i>For 4" Rung Spacing, Add</i>	10.42	
			<i>For 18" Rung Spacing, Deduct</i>	-0.95	
			<i>For Solid Bottom, Add</i>	20.19	
			<i>For Vented Trough Bottom, Add</i>	22.51	
26 05 36 00-2571	EA		36" To 30" Reducer, Fiberglass Cable Tray	108.91	43.34
			<i>For 9" Rung Spacing, Add</i>	1.54	
			<i>For 6" Rung Spacing, Add</i>	6.60	
			<i>For 4" Rung Spacing, Add</i>	12.11	
			<i>For 18" Rung Spacing, Deduct</i>	-1.10	
			<i>For Solid Bottom, Add</i>	22.94	
			<i>For Vented Trough Bottom, Add</i>	25.72	
26 05 36 00-2572			Vertical Tees <small>(26 05 36 00-2516)</small>		
26 05 36 00-2573	EA		6" Vertical Tee, Fiberglass Cable Tray	206.38	61.22
			<i>For 9" Rung Spacing, Add</i>	4.01	
			<i>For 6" Rung Spacing, Add</i>	17.18	
			<i>For 4" Rung Spacing, Add</i>	31.50	
			<i>For 18" Rung Spacing, Deduct</i>	-2.86	
			<i>For Solid Bottom, Add</i>	48.14	
			<i>For Vented Trough Bottom, Add</i>	57.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2574 EA 9" Vertical Tee, Fiberglass Cable Tray <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	213.92 4.06 17.40 31.89 -2.90 49.48 58.63	65.38
26 05 36 00-2575 EA 12" Vertical Tee, Fiberglass Cable Tray <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	245.92 4.11 17.60 32.27 -2.93 54.49 63.01	85.71
26 05 36 00-2576 EA 18" Vertical Tee, Fiberglass Cable Tray <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	265.09 4.22 18.09 33.17 -3.02 57.86 66.30	96.37
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	274.24 4.33 18.55 34.00 -3.09 59.68 68.28	100.41
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	285.63 4.43 18.97 34.78 -3.16 61.81 70.48	106.16
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray <i>For 9" Rung Spacing, Add</i> <i>For 6" Rung Spacing, Add</i> <i>For 4" Rung Spacing, Add</i> <i>For 18" Rung Spacing, Deduct</i> <i>For Solid Bottom, Add</i> <i>For Vented Trough Bottom, Add</i>	311.13 4.89 20.96 38.42 -3.49 67.63 77.31	114.37
26 05 36 00-2580 Flextray™ Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-2581 Flextray™ Cable Tray Straight Sections <small>(26 05 36 00-2580)</small> Note: Includes splicing and splice bars.		
26 05 36 00-2582 LF 2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.65	7.72
26 05 36 00-2583 LF 2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.41	8.23
26 05 36 00-2584 LF 2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.24	8.60
26 05 36 00-2585 LF 2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.14	9.04
26 05 36 00-2586 LF 2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	42.01	9.48
26 05 36 00-2587 LF 2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.24	9.92
26 05 36 00-2588 LF 2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.18	10.35
26 05 36 00-2589 LF 2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	47.99	10.66
26 05 36 00-2590 LF 2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.98	10.95
26 05 36 00-2591 LF 4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.75	9.06
26 05 36 00-2592 LF 4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.19	9.43
26 05 36 00-2593 LF 4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	43.71	9.92
26 05 36 00-2594 LF 4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.48	10.40
26 05 36 00-2595 LF 4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.54	10.90
26 05 36 00-2596 LF 4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	53.70	11.39
26 05 36 00-2597 LF 4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	57.01	11.76
26 05 36 00-2598 LF 4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	59.38	12.00
26 05 36 00-2599 LF 4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	76.66	12.85
26 05 36 00-2600 LF 6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.65	10.90
26 05 36 00-2601 LF 6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	55.73	11.39
26 05 36 00-2602 LF 6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	58.32	11.88
26 05 36 00-2603 LF 6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	63.03	12.49
26 05 36 00-2604 LF 6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	65.10	12.73
26 05 36 00-2605 LF 6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	80.84	13.10
26 05 36 00-2606 Flextray™ Cable Tray Bends <small>(26 05 36 00-2580)</small> Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2607 EA 2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	20.77	5.76
26 05 36 00-2608 EA 2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	26.56	6.12
26 05 36 00-2609 EA 2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	37.24	8.57
26 05 36 00-2610 EA 2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	58.77	13.59

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2611 EA 2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	84.03	18.98
26 05 36 00-2612 EA 2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	113.15	24.85
26 05 36 00-2613 EA 2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	128.42	31.10
26 05 36 00-2614 EA 2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	152.90	37.34
26 05 36 00-2615 EA 2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	195.97	43.83
26 05 36 00-2616 EA 4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	27.52	6.73
26 05 36 00-2617 EA 4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	40.22	9.43
26 05 36 00-2618 EA 4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	65.56	14.94
26 05 36 00-2619 EA 4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	92.97	20.82
26 05 36 00-2620 EA 4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	123.82	27.31
26 05 36 00-2621 EA 4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	148.96	34.16
26 05 36 00-2622 EA 4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	180.72	41.01
26 05 36 00-2623 EA 4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	237.52	48.12
26 05 36 00-2624 EA 4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	383.44	64.28
26 05 36 00-2625 EA 6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	72.92	16.28
26 05 36 00-2626 EA 6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	111.51	22.77
26 05 36 00-2627 EA 6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	145.78	29.76
26 05 36 00-2628 EA 6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	174.32	37.34
26 05 36 00-2629 EA 6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	205.93	44.70
26 05 36 00-2630 EA 6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish..... Note: Field Fabricated	323.33	52.53
26 05 36 00-2631 Flextray™ Cable Tray Brackets (26 05 36 00-2580)		
26 05 36 00-2632 EA 6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	51.02	16.16
26 05 36 00-2633 EA 8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	54.99	16.16
26 05 36 00-2634 EA 12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	61.77	16.16
26 05 36 00-2635 EA 16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	76.57	17.63
26 05 36 00-2636 EA 18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	82.49	17.63
26 05 36 00-2637 EA 20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	84.48	17.63
26 05 36 00-2638 EA 24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	86.23	17.63
26 05 39 Underfloor Raceways for Electrical Systems (26 05)		
26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	108.14	21.55
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	136.37	25.22
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	181.20	27.31
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	207.66	30.24
26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	276.05	42.86
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	312.83	45.92
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box..... Note: Isolate each duct and form a continuous raceway through the box in both directions.	506.92	42.86
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	342.95	45.92
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	545.82	60.37
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	768.14	65.64
26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	1,177.09	43.34
Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,354.79	45.92
26 05 39 00-0020 Elbow Fittings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0021 90 Degree Horizontal Elbow <small>(26 05 39 00-0020)</small>		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	135.45	15.79
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	139.59	15.79
26 05 39 00-0024 90 Degree Vertical Elbow <small>(26 05 39 00-0020)</small>		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree.....	75.22	15.79
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	76.88	15.79
26 05 39 00-0027 Offset Elbow <small>(26 05 39 00-0020)</small>		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	75.22	18.37
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	76.88	18.37
26 05 39 00-0030 Couplings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0031 Sleeve Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling.....	47.83	24.49
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling.....	74.22	24.49
26 05 39 00-0034 Expansion Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling.....	107.52	24.49
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling.....	109.59	25.83
26 05 39 00-0037 Reducing Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling.....	106.11	3.67
26 05 39 00-0039 Duct Supports <small>(26 05 39 00-0001)</small>		
26 05 39 00-0040 Combination Support And Coupling <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	109.58	51.43
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	122.11	51.43
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	134.73	51.43
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	122.11	57.55
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	147.63	57.55
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	134.73	61.22
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	134.73	61.22
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	147.63	61.22
26 05 39 00-0049 Duct Support Only <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	98.90	45.31
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	116.37	45.31
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	135.21	45.31
26 05 39 00-0053 Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		
26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	28.82	3.67
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	29.47	3.67
26 05 39 00-0057 Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	40.31	6.12
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	42.82	6.12
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	41.58	6.12
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter.....	42.86	6.12
26 05 39 00-0062 Holders And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories.....	259.55	51.43
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories.....	498.14	51.43
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories.....	3.36	1.22

26 Electrical**26 05 Common Work Results for Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0066 Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan.....	113.70	6.72
26 05 43 Underground Ducts and Raceways for Electrical Systems <small>(26 05)</small>		
Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.		
26 05 43 00-0001 Precast Concrete Trenches, One Piece Pedestrian Trench <small>(26 05 43)</small>		
Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002 10" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0003 LF Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	89.48	
26 05 43 00-0004 LF Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	85.57	
26 05 43 00-0005 LF Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	124.28	
26 05 43 00-0006 LF Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	118.84	
26 05 43 00-0007 EA End Wall, 10" Wide x 15" Deep Pedestrian Trench	60.49	
26 05 43 00-0008 EA End Wall, 10" Wide x 24" Deep Pedestrian Trench	71.64	
26 05 43 00-0009 LF Lid, Concrete, 10" Wide Pedestrian Trench	59.65	
26 05 43 00-0010 20" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0011 LF Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	113.41	
26 05 43 00-0012 LF Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	106.49	
26 05 43 00-0013 LF Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	153.62	
26 05 43 00-0014 LF Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	147.31	
26 05 43 00-0015 EA End Wall, 20" Wide x 15" Deep Pedestrian Trench	75.65	
26 05 43 00-0016 EA End Wall, 20" Wide x 24" Deep Pedestrian Trench	110.24	
26 05 43 00-0017 LF Lid, Concrete, 20" Wide Pedestrian Trench	74.60	
26 05 43 00-0018 30" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0019 LF Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	144.78	
26 05 43 00-0020 LF Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	170.15	
26 05 43 00-0021 LF Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	181.17	
26 05 43 00-0022 LF Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	173.99	
26 05 43 00-0023 EA End Wall, 30" Wide x 15" Deep Pedestrian Trench	108.55	
26 05 43 00-0024 EA End Wall, 30" Wide x 24" Deep Pedestrian Trench	147.29	
26 05 43 00-0025 LF Lid, Concrete, 30" Wide Pedestrian Trench	93.14	
26 05 43 00-0026 40" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43 00-0027 LF Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	173.43	
26 05 43 00-0028 LF Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	166.89	
26 05 43 00-0029 LF Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	212.22	
26 05 43 00-0030 LF Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	204.23	
26 05 43 00-0031 EA End Wall, 40" Wide x 15" Deep Pedestrian Trench	138.94	
26 05 43 00-0032 EA End Wall, 40" Wide x 24" Deep Pedestrian Trench	188.31	
26 05 43 00-0033 LF Lid, Concrete, 40" Wide Pedestrian Trench	110.07	
26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench <small>(26 05 43)</small>		
Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035 10" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43 00-0036 LF Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	108.70	
26 05 43 00-0037 LF Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	103.62	
26 05 43 00-0038 LF Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	150.94	
26 05 43 00-0039 LF Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	143.92	
26 05 43 00-0040 EA End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	71.17	
26 05 43 00-0041 EA End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	82.84	
26 05 43 00-0042 LF Lid, Concrete 10" Wide Medium Vehicle Trench.....	72.46	
26 05 43 00-0043 LF Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	322.71	
26 05 43 00-0044 20" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43 00-0045 LF Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	136.86	
26 05 43 00-0046 LF Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	127.94	
26 05 43 00-0047 LF Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	184.55	
26 05 43 00-0048 LF Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	176.40	
26 05 43 00-0049 EA End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	88.01	
26 05 43 00-0050 EA End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	128.42	
26 05 43 00-0051 LF Lid, Concrete 20" Wide Medium Vehicle Trench.....	90.62	
26 05 43 00-0052 LF Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	427.98	
26 05 43 00-0053 30" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43 00-0054 LF Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	137.66	
26 05 43 00-0055 LF Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	165.20	
26 05 43 00-0056 LF Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	216.37	
26 05 43 00-0057 LF Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	207.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	125.60	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	172.53	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench	113.42	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	534.28	
26 05 43 00-0062 40" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	205.42	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	196.98	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	251.46	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	241.11	
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	160.78	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	220.53	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench	133.52	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	726.41	
26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench <small>(26 05 43)</small>		
<small>Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.</small>		
26 05 43 00-0072 10" Wide H20 Road Crossing Trench <small>(26 05 43 00-0071)</small>		
26 05 43 00-0073 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	235.39	
26 05 43 00-0074 LF Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	224.00	
26 05 43 00-0075 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	294.03	
26 05 43 00-0076 LF Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	279.67	
26 05 43 00-0077 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	226.01	
26 05 43 00-0078 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	215.17	
26 05 43 00-0079 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	284.65	
26 05 43 00-0080 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	270.87	
26 05 43 00-0081 EA End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	155.61	
26 05 43 00-0082 EA End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	210.63	
26 05 43 00-0083 EA End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	140.73	
26 05 43 00-0084 EA End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	195.42	
26 05 43 00-0085 LF Lid, Concrete 10" Wide Road Crossing Trench	108.60	
26 05 43 00-0086 LF Lid, Galvanized Steel 10" Wide Road Crossing Trench	350.21	
26 05 43 00-0087 20" Wide H20 Road Crossing Trench <small>(26 05 43 00-0071)</small>		
26 05 43 00-0088 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	249.48	
26 05 43 00-0089 LF Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	237.80	
26 05 43 00-0090 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	330.01	
26 05 43 00-0091 LF Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	314.38	
26 05 43 00-0092 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	249.48	
26 05 43 00-0093 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	237.80	
26 05 43 00-0094 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	320.63	
26 05 43 00-0095 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	305.58	
26 05 43 00-0096 EA End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	222.28	
26 05 43 00-0097 EA End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	302.48	
26 05 43 00-0098 EA End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	200.60	
26 05 43 00-0099 EA End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	280.80	
26 05 43 00-0100 LF Lid, Concrete 20" Wide Road Crossing Trench	121.10	
26 05 43 00-0101 LF Lid, Galvanized Steel 20" Wide Road Crossing Trench	519.54	
26 05 43 00-0102 30" Wide H20 Road Crossing Trench <small>(26 05 43 00-0071)</small>		
26 05 43 00-0103 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	294.51	
26 05 43 00-0104 LF Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	281.15	
26 05 43 00-0105 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	364.15	
26 05 43 00-0106 LF Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	347.56	
26 05 43 00-0107 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	285.13	
26 05 43 00-0108 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	272.32	
26 05 43 00-0109 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	354.77	
26 05 43 00-0110 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	338.43	
26 05 43 00-0111 EA End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	296.42	
26 05 43 00-0112 EA End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	392.53	
26 05 43 00-0113 EA End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	267.95	
26 05 43 00-0114 EA End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	364.06	
26 05 43 00-0115 LF Lid, Concrete 30" Wide Road Crossing Trench	153.28	
26 05 43 00-0116 LF Lid, Galvanized Steel 30" Wide Road Crossing Trench	651.49	
26 05 43 00-0117 40" Wide H20 Road Crossing Trench <small>(26 05 43 00-0071)</small>		
26 05 43 00-0118 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	325.06	
26 05 43 00-0119 LF Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	310.70	
26 05 43 00-0120 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	400.19	
26 05 43 00-0121 LF Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	382.17	
26 05 43 00-0122 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	315.68	
26 05 43 00-0123 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	301.90	
26 05 43 00-0124 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	390.81	
26 05 43 00-0125 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	373.34	
26 05 43 00-0126 EA End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	367.83	

26 Electrical

26 05 Common Work Results for Electrical

26 05 43 Underground Ducts and Raceways for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	486.80	
	26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	332.89	
	26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	451.86	
	26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	185.13	
	26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	885.91	

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001 Wood Poles (26 05 46)

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	998.35	323.21
		<i>For Class 1 Pole, Add</i>	123.13	
		<i>For Class 2 Pole, Add</i>	70.36	
		<i>For Class 4 Pole, Deduct</i>	-35.18	
		<i>For Class 5 Pole, Deduct</i>	-105.54	
		<i>For Class 6 Pole, Deduct</i>	-140.72	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,194.92	358.61
		<i>For Class 1 Pole, Add</i>	167.18	
		<i>For Class 2 Pole, Add</i>	95.53	
		<i>For Class 4 Pole, Deduct</i>	-47.77	
		<i>For Class 5 Pole, Deduct</i>	-143.30	
		<i>For Class 6 Pole, Deduct</i>	-191.06	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,549.09	474.29
		<i>For Class 1 Pole, Add</i>	210.23	
		<i>For Class 2 Pole, Add</i>	120.13	
		<i>For Class 4 Pole, Deduct</i>	-60.07	
		<i>For Class 5 Pole, Deduct</i>	-180.20	
		<i>For Class 6 Pole, Deduct</i>	-240.26	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,772.64	521.66
		<i>For Class 1 Pole, Add</i>	255.28	
		<i>For Class 2 Pole, Add</i>	145.87	
		<i>For Class 4 Pole, Deduct</i>	-72.94	
		<i>For Class 5 Pole, Deduct</i>	-218.81	
		<i>For Class 6 Pole, Deduct</i>	-291.74	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,025.93	581.02
		<i>For Class 1 Pole, Add</i>	302.33	
		<i>For Class 2 Pole, Add</i>	172.76	
		<i>For Class 4 Pole, Deduct</i>	-86.38	
		<i>For Class 5 Pole, Deduct</i>	-259.14	
		<i>For Class 6 Pole, Deduct</i>	-345.52	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,305.18	652.07
		<i>For Class 1 Pole, Add</i>	350.38	
		<i>For Class 2 Pole, Add</i>	200.22	
		<i>For Class 4 Pole, Deduct</i>	-100.11	
		<i>For Class 5 Pole, Deduct</i>	-300.32	
		<i>For Class 6 Pole, Deduct</i>	-400.43	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,578.60	717.21
		<i>For Class 1 Pole, Add</i>	400.43	
		<i>For Class 2 Pole, Add</i>	228.82	
		<i>For Class 4 Pole, Deduct</i>	-114.41	
		<i>For Class 5 Pole, Deduct</i>	-343.23	
		<i>For Class 6 Pole, Deduct</i>	-457.64	
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,881.73	788.68
		<i>For Class 1 Pole, Add</i>	456.49	
		<i>For Class 2 Pole, Add</i>	260.85	
		<i>For Class 4 Pole, Deduct</i>	-130.43	
		<i>For Class 5 Pole, Deduct</i>	-391.28	
		<i>For Class 6 Pole, Deduct</i>	-521.70	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,724.51	859.61
		<i>For Class 1 Pole, Add</i>	1,051.83	
		<i>For Class 2 Pole, Add</i>	601.05	
		<i>For Class 4 Pole, Deduct</i>	-300.52	
		<i>For Class 5 Pole, Deduct</i>	-901.57	
		<i>For Class 6 Pole, Deduct</i>	-1,202.10	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,188.62	914.42
		<i>For Class 1 Pole, Add</i>	1,175.91	
		<i>For Class 2 Pole, Add</i>	671.95	
		<i>For Class 4 Pole, Deduct</i>	-335.98	
		<i>For Class 5 Pole, Deduct</i>	-1,007.93	
		<i>For Class 6 Pole, Deduct</i>	-1,343.90	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	5,703.89	976.67
		<i>For Class 1 Pole, Add</i>	1,312.68	
		<i>For Class 2 Pole, Add</i>	750.10	
		<i>For Class 4 Pole, Deduct</i>	-375.05	
		<i>For Class 5 Pole, Deduct</i>	-1,125.15	
		<i>For Class 6 Pole, Deduct</i>	-1,500.20	

26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)

26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	27.54	
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0016				Crossarms (26 05 46) Note: Includes hardware and braces.		
26 05 46 00-0017				Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018	EA			3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	236.36	96.40
26 05 46 00-0019	EA			3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	285.68	96.40
26 05 46 00-0020	EA			3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	299.91	123.94
26 05 46 00-0021				Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022	EA			3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	608.61	268.54
26 05 46 00-0023	EA			3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	648.08	268.54
26 05 46 00-0024	EA			3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	674.63	268.54
26 05 46 00-0025				Fiberglass Crossarms (26 05 46 00-0016) Note: Includes hardware.		
26 05 46 00-0026				Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027	EA			Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	267.65	
26 05 46 00-0028	EA			Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	337.90	57.84
26 05 46 00-0029	EA			Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	351.67	61.97
26 05 46 00-0030				Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031	EA			Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	421.13	74.36
26 05 46 00-0032				Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033	EA			Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor.....	676.00	95.02
26 05 46 00-0034	EA			Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor.....	801.08	115.68
26 05 46 00-0035	EA			Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	117.57	16.53
26 05 46 00-0036	EA			Three Phase Equipment Mounting Bracket.....	587.82	82.63
26 05 46 00-0037	EA			Fiberglass Bull Horn Crossarm.....	462.86	137.71
26 05 46 00-0038				Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039				Epoxy Construction Units, In Place Mounting (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0040	EA			1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	138.99	
26 05 46 00-0041	EA			1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	113.69	
26 05 46 00-0042	EA			Deadend Arms, In Place Mounting.....	330.18	
26 05 46 00-0043	EA			1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	222.33	
26 05 46 00-0044				Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0045	EA			1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	99.13	
26 05 46 00-0046	EA			1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting.....	87.13	
26 05 46 00-0047	EA			Deadend Arms, Grounding Mounting.....	303.62	
26 05 46 00-0048				Guying (26 05 46) Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049				Down Guy (26 05 46 00-0048)		
26 05 46 00-0050	EA			Down Guy For 25' To 40' Pole.....	1,000.81	385.59
26 05 46 00-0051	EA			Down Guy For 45' To 60' Pole.....	1,022.34	385.59
26 05 46 00-0052	EA			Down Guy For 65' To 75' Pole.....	1,066.61	385.59
26 05 46 00-0053	EA			Guy Guard, Plastic.....	46.96	
26 05 46 00-0054				Head Guy, 50' Spans (26 05 46 00-0048)		
26 05 46 00-0055	EA			Head Guy (50' Span), For 25' To 40' Pole.....	1,419.35	592.16
26 05 46 00-0056	EA			Head Guy (50' Span), For 45' To 60' Pole.....	1,419.35	592.16
26 05 46 00-0057	EA			Head Guy (50' Span), For 65' To 75' Pole.....	1,419.35	592.16
26 05 46 00-0058				Guy Strain Insulators Additional Insulators (26 05 46 00-0048) Note: As required at same material cost and labor.		
26 05 46 00-0059	EA			Guy Strain Insulator.....	587.37	289.20
26 05 46 00-0060				Pole Anchor (26 05 46 00-0048) Note: Joslyn.		
26 05 46 00-0061	EA			Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	68.69	28.80
26 05 46 00-0062	EA			Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	78.07	28.80
26 05 46 00-0063	EA			Pole Anchor, 8" Helix, 1" x 66" Shaft.....	104.66	32.40
26 05 46 00-0064	EA			Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft.....	147.90	36.00
26 05 46 00-0065	EA			Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	169.05	39.60

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0066 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	272.07	54.00
26 05 46 00-0067 Insulators (26 05 46)		
26 05 46 00-0068 Pin Insulator With Pin (26 05 46 00-0067)		
26 05 46 00-0069 EA 5 KV Class 55-3, Pin Insulator With Pin.....	184.77	82.63
26 05 46 00-0070 EA 15 KV Class 55-5, Pin Insulator With Pin.....	190.06	82.63
26 05 46 00-0071 Suspension Insulator (26 05 46 00-0067)		
Note: Includes clevis and strain clamp.		
26 05 46 00-0072 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	234.56	110.18
26 05 46 00-0073 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	248.94	110.18
26 05 46 00-0074 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	349.12	137.71
26 05 46 00-0075 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	552.87	220.34
26 05 46 00-0076 Spool Insulator With Clevis (26 05 46 00-0067)		
26 05 46 00-0077 EA 5 KV Class 53-5, Spool Insulator With Clevis.....	78.10	34.43
26 05 46 00-0078 EA 15 KV Class, Spool Insulator With Clevis.....	250.34	123.94
26 05 46 00-0079 EA 25 KV Class, Spool Insulator With Clevis.....	324.68	123.94
26 05 46 00-0080 Secondary Rack (26 05 46 00-0067)		
26 05 46 00-0081 EA 1 Spool Secondary Rack.....	155.16	68.86
26 05 46 00-0082 EA 2 Spool Secondary Rack.....	159.80	87.86
26 05 46 00-0083 EA 3 Spool Secondary Rack.....	239.29	117.05
26 05 46 00-0084 EA 4 Spool Secondary Rack.....	268.95	117.05
26 05 46 00-0085 Outdoor Load Break Switches (26 05 46)		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086 7.2 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0087 EA 600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	4,892.40	468.23
26 05 46 00-0088 EA 1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	9,599.07	468.23
26 05 46 00-0089 EA 1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,298.32	791.86
26 05 46 00-0090 EA 2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,583.08	791.86
26 05 46 00-0091 14.4 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0092 EA 600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	5,981.37	468.23
26 05 46 00-0093 EA 1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	11,346.74	468.23
26 05 46 00-0094 EA 1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,298.32	791.86
26 05 46 00-0095 EA 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,583.08	791.86
26 05 46 00-0096 23 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0097 EA 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,594.66	543.97
26 05 46 00-0098 EA 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,415.19	543.97
26 05 46 00-0099 EA 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,936.91	936.45
26 05 46 00-0100 EA 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,231.00	936.45
26 05 46 00-0101 Square Distribution Poles (26 05 46)		
26 05 46 00-0102 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0103 EA 20', Steel Taped Shaft Distribution Pole.....	4,208.24	585.29
26 05 46 00-0104 EA 25', Steel Taped Shaft Distribution Pole.....	4,703.61	619.71
26 05 46 00-0105 EA 30', Steel Taped Shaft Distribution Pole.....	5,095.33	688.57
26 05 46 00-0106 EA 35', Steel Taped Shaft Distribution Pole.....	5,640.93	757.43
26 05 46 00-0107 EA 40', Steel Taped Shaft Distribution Pole.....	7,751.48	826.28
26 05 46 00-0108 Square Prestressed Concrete Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0109 EA 30', Prestressed Concrete Square Pole For Distribution.....	5,052.16	1,031.96
26 05 46 00-0110 EA 35', Prestressed Concrete Square Pole For Distribution.....	5,703.34	1,131.83
26 05 46 00-0111 EA 40', Prestressed Concrete Square Pole For Distribution.....	6,689.50	1,264.98
26 05 46 00-0112 EA 45', Prestressed Concrete Square Pole For Distribution.....	7,536.86	1,398.13
26 05 46 00-0113 EA 50', Prestressed Concrete Square Pole For Distribution.....	8,859.13	1,697.74
26 05 46 00-0114 EA 55', Prestressed Concrete Square Pole For Distribution.....	10,629.17	1,997.34
26 05 46 00-0115 EA 60', Prestressed Concrete Square Pole For Distribution.....	12,537.25	2,263.66
26 05 46 00-0116 EA 65', Prestressed Concrete Square Pole For Distribution.....	15,135.49	2,796.28
26 05 46 00-0117 EA 70', Prestressed Concrete Square Pole For Distribution.....	16,951.43	3,062.59
26 05 46 00-0118 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 46 00-0120	EA		20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,924.22	516.43
	26 05 46 00-0121	EA		25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	5,532.87	550.86
	26 05 46 00-0122	EA		30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,368.68	619.71
	26 05 46 00-0123	EA		35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	7,575.01	688.57
	26 05 46 00-0124	EA		40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	11,589.00	757.43
26 05 46 00-0125	Steel Service Poles Distribution (26 05 46)					
	Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.					
26 05 46 00-0126	Round Tapered Pole (26 05 46 00-0125)					
	26 05 46 00-0127	EA		40', Galvanized Steel Tapered Round Pole For Distribution.....	5,424.22	826.28
	26 05 46 00-0128	EA		45', Galvanized Steel Tapered Round Pole For Distribution.....	6,323.65	895.14
	26 05 46 00-0129	EA		50', Galvanized Steel Tapered Round Pole For Distribution.....	6,734.43	964.00
	26 05 46 00-0130	EA		55', Galvanized Steel Tapered Round Pole For Distribution.....	7,940.70	1,101.71
	26 05 46 00-0131	EA		60', Galvanized Steel Tapered Round Pole For Distribution.....	9,857.82	1,239.43
	26 05 46 00-0132	EA		65', Galvanized Steel Tapered Round Pole For Distribution.....	11,594.03	1,564.58
	26 05 46 00-0133	EA		70', Galvanized Steel Tapered Round Pole For Distribution.....	12,894.41	1,774.97
	26 05 46 00-0134	EA		75', Galvanized Steel Tapered Round Pole For Distribution.....	14,244.57	1,997.34
	26 05 46 00-0135	EA		80', Galvanized Steel Tapered Round Pole For Distribution.....	15,968.71	2,263.66
	26 05 46 00-0136	EA		85', Galvanized Steel Tapered Round Pole For Distribution.....	17,069.56	2,396.81
	26 05 46 00-0137	EA		90', Galvanized Steel Tapered Round Pole For Distribution.....	18,498.77	2,663.12
	26 05 46 00-0138	EA		95', Galvanized Steel Tapered Round Pole For Distribution.....	20,355.19	2,996.01
	26 05 46 00-0139	EA		100', Galvanized Steel Tapered Round Pole For Distribution.....	22,424.10	3,395.47
26 05 46 00-0140	12 Sided Tapered (26 05 46 00-0125)					
	26 05 46 00-0141	EA		40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,467.50	826.28
	26 05 46 00-0142	EA		45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,454.53	895.14
	26 05 46 00-0143	EA		50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	11,586.58	964.00
	26 05 46 00-0144	EA		55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,716.26	1,101.71
	26 05 46 00-0145	EA		60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,972.02	1,239.43
	26 05 46 00-0146	EA		65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,751.99	1,564.58
	26 05 46 00-0147	EA		70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	21,735.25	1,774.97
	26 05 46 00-0148	EA		75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	23,364.08	1,997.34
	26 05 46 00-0149	EA		80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	25,076.76	2,263.66
	26 05 46 00-0150	EA		85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	26,566.16	2,396.81
	26 05 46 00-0151	EA		90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	30,175.46	2,663.12
	26 05 46 00-0152	EA		95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	31,999.16	2,996.01
	26 05 46 00-0153	EA		100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	34,144.51	3,395.47
	26 05 46 00-0154	EA		105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	36,447.05	3,794.94
26 05 46 00-0155	Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0125)					
	26 05 46 00-0156	EA		Ladder Clips.....	23.16	
	26 05 46 00-0157	EA		Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	173.76	
	26 05 46 00-0158	EA		Ground Sleeve-2' At Ground Line.....	174.77	
26 05 46 00-0159	Arms With Baseplates And Endplates (26 05 46 00-0125)					
	26 05 46 00-0160	EA		4' Arm With Baseplate And Endplate.....	901.63	137.71
	26 05 46 00-0161	EA		5' Arm With Baseplate And Endplate.....	986.54	137.71
	26 05 46 00-0162	EA		6' Arm With Baseplate And Endplate.....	1,210.24	206.57
	26 05 46 00-0163	EA		7' Arm With Baseplate And Endplate.....	1,284.51	206.57
	26 05 46 00-0164	EA		8' Arm With Baseplate And Endplate.....	1,506.11	275.43
	26 05 46 00-0165	EA		9' Arm With Baseplate And Endplate.....	1,590.97	275.43
	26 05 46 00-0166	EA		10' Arm With Baseplate And Endplate.....	2,121.44	344.29
	26 05 46 00-0167	EA		11' Arm With Baseplate And Endplate.....	2,216.71	344.29
26 05 46 00-0168	Standard Vangs Load Bearing At Any Angle (26 05 46 00-0125)					
	26 05 46 00-0169	EA		15,000 LB Standard Vangs Load Bearing At Any Angle.....	345.46	137.71
	26 05 46 00-0170	EA		30,000 LB Standard Vangs Load Bearing At Any Angle.....	397.47	137.71
	26 05 46 00-0171	EA		45,000 LB Standard Vangs Load Bearing At Any Angle.....	468.61	137.71
26 05 46 00-0172	Armless Construction Brackets (26 05 46 00-0125)					
26 05 46 00-0173	Verticals Insulator And Equipment Bracket (26 05 46 00-0172)					
	26 05 46 00-0174	EA		7" 1 Position Vertical Insulation And Equipment Bracket.....	353.93	137.71
	26 05 46 00-0175	EA		12" 1 Position Vertical Insulation And Equipment Bracket.....	386.78	137.71
	26 05 46 00-0176	EA		12" 3 Position Vertical Insulation And Equipment Bracket.....	440.14	137.71
	26 05 46 00-0177	EA		18" 1 Position Vertical Insulation And Equipment Bracket.....	612.45	206.57
	26 05 46 00-0178	EA		18" 3 Position Vertical Insulation And Equipment Bracket.....	643.61	206.57
26 05 46 00-0179	Horizontal And Multiple Insulator Brackets (26 05 46 00-0172)					
	26 05 46 00-0180	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	328.36	137.71
	26 05 46 00-0181	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	397.38	137.71
	26 05 46 00-0182	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	579.03	206.57

26 Electrical
26 05 Common Work Results for Electrical
26 05 46 Utility Poles for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0183	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	741.91	206.57
26 05 46 00-0184	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	947.81	275.43
26 05 46 00-0185	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	1,034.26	275.43
26 05 46 00-0186			Pole Top Bracket And Pins (26 05 46 00-0172)		
26 05 46 00-0187	EA		Pole Top Pin - 5".....	338.38	137.71
26 05 46 00-0188	EA		Pole Top Bracket - 5".....	355.14	137.71
26 05 46 00-0189			Angle Pins (26 05 46 00-0172)		
26 05 46 00-0190	EA		Angle Pin - 25 Degree, 6"	336.11	137.71
26 05 46 00-0191	EA		Angle Pin - 25 Degree, 7 1/4"	390.54	137.71
26 05 46 00-0192			Static And Neutral Wire Brackets (26 05 46 00-0172)		
26 05 46 00-0193	EA		Neutral Wire Extension Bracket.....	348.25	137.71
26 05 46 00-0194	EA		Static Wire Support Bracket.....	353.47	137.71
26 05 46 00-0195			Cutout, Arrestor And Terminator Brackets (26 05 46 00-0172)		
26 05 46 00-0196	EA		Cutout And Arrestor, With Mounting Bracket	309.90	137.71
26 05 46 00-0197	EA		Equipment Mounting T Bracket.....	332.46	137.71
26 05 46 00-0198	EA		15 KV Cutout	435.71	
26 05 46 00-0199	EA		9/10 KV Arrestor	403.98	137.71
26 05 46 00-0200			Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0172)		
26 05 46 00-0201	EA		Parallel Cable Spacer	385.72	137.71
26 05 46 00-0202	EA		Conduit Standoff Support Bracket	369.06	137.71
26 05 46 00-0203	EA		Three Transformer Pole Mounted Cluster Bracket	946.88	137.71
26 05 46 00-0204			15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0172)		
			Note: Includes pole mounting bracket.		
26 05 46 00-0205	EA		15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	2,086.75	344.29
26 05 46 00-0206			Octagonal Tapered (26 05 46 00-0125)		
26 05 46 00-0207	EA		40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,768.02	826.28
26 05 46 00-0208	EA		45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,787.84	895.14
26 05 46 00-0209	EA		50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,958.14	964.00
26 05 46 00-0210	EA		55', Galvanized Steel Tapered Octagonal Pole For Distribution	13,120.60	1,170.57
26 05 46 00-0211	EA		60', Galvanized Steel Tapered Octagonal Pole For Distribution	17,529.36	1,239.43
26 05 46 00-0212	EA		65', Galvanized Steel Tapered Octagonal Pole For Distribution	19,353.04	1,564.58
26 05 46 00-0213	EA		70', Galvanized Steel Tapered Octagonal Pole For Distribution	22,434.65	1,664.45
26 05 46 00-0214	EA		75', Galvanized Steel Tapered Octagonal Pole For Distribution	24,109.92	1,997.34
26 05 46 00-0215	EA		80', Galvanized Steel Tapered Octagonal Pole For Distribution	25,866.30	2,130.49
26 05 46 00-0216	EA		85', Galvanized Steel Tapered Octagonal Pole For Distribution	27,402.17	2,396.81
26 05 46 00-0217	EA		90', Galvanized Steel Tapered Octagonal Pole For Distribution	31,128.94	2,529.96
26 05 46 00-0218	EA		95', Galvanized Steel Tapered Octagonal Pole For Distribution	33,001.82	2,996.01
26 05 46 00-0219	EA		100', Galvanized Steel Tapered Octagonal Pole For Distribution	35,196.35	3,195.74
26 05 46 00-0220	EA		105', Galvanized Steel Tapered Octagonal Pole For Distribution	37,553.53	3,595.21
26 05 46 00-0221			Removal And Relocation Of Steel Service Poles (26 05 46 00-0125)		
26 05 46 00-0222	LF		Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	48.20	
26 05 46 00-0223			Special Steel Bases For Poles (26 05 46 00-0125)		
26 05 46 00-0224	EA		Spin-In Steel Base For Poles.....	310.13	
26 05 46 00-0225	EA		Series 3, 25' Pole And less	346.50	68.86
26 05 46 00-0226	EA		Series 4, 40' Pole And less	413.56	79.18
26 05 46 00-0227	EA		Series 5, 50' Pole And less	473.73	86.07

26 05 53 Identification for Electrical Systems (26 05)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 53 00-0001			Conduit Markers Pressure-Sensitive (26 05 53)		
			Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA		1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.82	
26 05 53 00-0003	EA		3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.43	
26 05 53 00-0004	EA		1" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.67	
26 05 53 00-0005	EA		1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.91	
26 05 53 00-0006	EA		1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.15	
26 05 53 00-0007	EA		2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.52	
26 05 53 00-0008	EA		2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.41	
26 05 53 00-0009	EA		3" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.90	
26 05 53 00-0010	EA		3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	20.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on.....	20.64	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.41	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.23	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.96	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on.....	23.67	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on.....	26.01	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on.....	27.36	
26 05 53 00-0018 Labeling Existing Electrical Wires (26 05 53)		
Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019 EA Labeling Existing Wire.....	3.78	
26 05 53 00-0020 Equipment Labeling (26 05 53)		
26 05 53 00-0021 EA Label Both Ends Of One 4 Pair Cable.....	24.10	
26 05 53 00-0022 EA Label single gang face plate (2 labels required).....	19.28	
26 05 53 00-0023 EA Label two gang face plate (4 labels required).....	28.92	
26 05 53 00-0024 EA Label both ends of a Siamese (dual 4 Pair cable).....	24.10	
26 05 83 Wiring Connections (26 05)		
26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)		
26 05 83 00-0002 EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	15.64	5.51
26 05 83 00-0003 EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	17.08	6.12
26 05 83 00-0004 EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	18.37	6.73
26 05 83 00-0005 EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	21.11	7.34
26 05 83 00-0006 EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	22.73	7.96
26 05 83 00-0007 EA 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	25.14	8.57
26 05 83 00-0008 EA 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	26.93	9.18
26 05 83 00-0009 EA 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	29.27	9.79
26 05 83 00-0010 EA 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	32.43	11.02
26 05 83 00-0011 EA 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	34.06	11.63
26 05 83 00-0012 EA 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	37.66	12.24
26 05 83 00-0013 EA 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	40.82	12.85
26 05 83 00-0014 EA 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	45.52	14.08
26 05 83 00-0015 EA 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	52.66	15.92
26 05 83 00-0016 One Hole Compression Lugs (26 05 83)		
26 05 83 00-0017 EA #22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	20.90	15.92
26 05 83 00-0018 EA #16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	21.03	15.92
26 05 83 00-0019 EA #12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	23.78	17.15
26 05 83 00-0020 EA #8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	29.21	18.98
26 05 83 00-0021 EA #6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	41.15	24.49
26 05 83 00-0022 EA #4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	48.33	24.49
26 05 83 00-0023 EA #2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	55.61	24.49
26 05 83 00-0024 EA 1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	68.61	36.73
26 05 83 00-0025 EA 2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	80.53	36.73
26 05 83 00-0026 EA 3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	94.27	36.73
26 05 83 00-0027 EA 4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	113.71	48.98
26 05 83 00-0028 EA 250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	134.88	73.47
26 05 83 00-0029 EA 300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	154.28	73.47
26 05 83 00-0030 EA 350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	165.86	73.47
26 05 83 00-0031 EA 400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	180.51	85.71
26 05 83 00-0032 EA 500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	197.29	85.71
26 05 83 00-0033 EA 750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	214.46	97.95
26 05 83 00-0034 EA 1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	251.49	110.20
26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)		
26 05 83 00-0036 EA #8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	42.57	20.82
26 05 83 00-0037 EA #6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	45.66	22.16
26 05 83 00-0038 EA #4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	48.18	22.16
26 05 83 00-0039 EA #2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	55.44	25.46
26 05 83 00-0040 EA 1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	68.43	31.83
26 05 83 00-0041 EA 2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	80.34	37.83
26 05 83 00-0042 EA 3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	94.06	44.33
26 05 83 00-0043 EA 4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	113.47	53.76
26 05 83 00-0044 EA 250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	134.60	63.79
26 05 83 00-0045 EA 300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	153.95	72.86
26 05 83 00-0046 EA 350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	165.52	78.49
26 05 83 00-0047 EA 400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	180.11	84.98
26 05 83 00-0048 EA 500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	196.85	92.81
26 05 83 00-0049 EA 750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	214.94	100.65
26 05 83 00-0050 EA 1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	265.44	122.44
26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0052	EA		#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	63.96	48.98
26 05 83 00-0053	EA		#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	70.32	52.65
26 05 83 00-0054	EA		#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	80.14	55.10
26 05 83 00-0055	EA		#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	92.87	61.22
26 05 83 00-0056	EA		1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	109.45	67.34
26 05 83 00-0057	EA		2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	122.15	73.47
26 05 83 00-0058	EA		3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	152.47	79.59
26 05 83 00-0059	EA		4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	163.55	85.71
26 05 83 00-0060	EA		250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	172.30	91.83
26 05 83 00-0061	EA		300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	195.75	101.02
26 05 83 00-0062	EA		350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	219.19	146.93
26 05 83 00-0063	EA		400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	238.80	122.44
26 05 83 00-0064	EA		500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	260.41	165.30
26 05 83 00-0065	EA		750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	287.43	171.42
26 05 83 00-0066	EA		1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt	323.97	183.66
26 05 83 00-0067			Cable Termination Lugs Handwrapped, No Stress Cone <small>(26 05 83)</small>		
26 05 83 00-0068	EA		#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	103.65	48.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.71	
26 05 83 00-0069	EA		#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	115.58	48.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 83 00-0070	EA		1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	160.22	73.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.82	
26 05 83 00-0071	EA		4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	182.25	73.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.10	
26 05 83 00-0072	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	217.74	91.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.66	
26 05 83 00-0073	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	303.74	122.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.53	
26 05 83 00-0074			Terminal Blocks <small>(26 05 83)</small>		
			Note: Labor excludes wire termination.		
26 05 83 00-0075	EA		Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,053.74	453.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	272.10	
26 05 83 00-0076	EA		#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	256.16	61.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.18	
26 05 83 00-0077	EA		#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	281.10	61.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.57	
26 05 83 00-0078			Parallel Gutter Tap Or Motor Connection <small>(26 05 83)</small>		
26 05 83 00-0079	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	42.56	22.16
26 05 83 00-0080	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	45.66	22.16
26 05 83 00-0081	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	48.18	22.16
26 05 83 00-0082	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	55.44	25.46
26 05 83 00-0083	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	68.43	31.83
26 05 83 00-0084	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	80.34	37.83
26 05 83 00-0085	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	94.06	44.33
26 05 83 00-0086	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	113.47	53.76
26 05 83 00-0087	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	134.60	63.79
26 05 83 00-0088	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	153.95	72.86
26 05 83 00-0089	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	165.52	78.49
26 05 83 00-0090	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	180.11	84.98
26 05 83 00-0091	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	196.85	92.81
26 05 83 00-0092	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	197.25	92.81
26 05 83 00-0093	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	42.56	22.16
26 05 83 00-0094	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	45.66	22.16
26 05 83 00-0095	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	48.18	22.16
26 05 83 00-0096	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	55.44	25.46
26 05 83 00-0097	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	68.43	31.83
26 05 83 00-0098	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	80.34	37.83
26 05 83 00-0099	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	94.06	44.33
26 05 83 00-0100	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	113.47	53.76
26 05 83 00-0101	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	134.60	63.79
26 05 83 00-0102	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	153.95	72.86
26 05 83 00-0103	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	165.52	78.49
26 05 83 00-0104	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	180.11	84.98
26 05 83 00-0105	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	196.85	92.81
26 05 83 00-0106	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	197.25	92.81
26 05 83 00-0107			Copper Mechanical Lugs <small>(26 05 83)</small>		
26 05 83 00-0108	EA		#8 Copper Mechanical Lugs	34.70	15.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.18	
26 05 83 00-0109	EA		#6 Copper Mechanical Lugs	41.66	18.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 83 00-0110	EA		#4 Copper Mechanical Lugs	48.14	21.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0111 EA #2 Copper Mechanical Lugs.....	62.96	27.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.40	
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs.....	84.80	36.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs.....	101.06	42.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.60	
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs.....	118.14	48.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs.....	134.46	54.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.96	
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs.....	153.91	61.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs.....	173.07	67.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.42	
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs.....	192.16	73.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.08	
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs.....	211.10	79.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.72	
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs.....	230.36	85.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.42	
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs.....	261.10	97.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.59	
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs.....	295.60	110.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.12	
26 05 83 00-0123 Gel Connectors (26 05 83)		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	67.56	
Note: Kit contains connector, gel filled cap and cap clamp.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	65.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.42	
26 05 83 00-0126 Other Connections (26 05 83)		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	12.02	5.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	12.10	5.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	12.18	5.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 83 00-0130 Motor/Equipment Connections And Terminations (26 05 83)		
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		
26 05 83 00-0131 AC Single Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	75.88	30.61
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	75.39	30.61
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	88.23	36.73
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	107.68	45.92
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	108.66	45.92
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	108.86	45.92
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.10	45.92
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	143.11	61.22
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	146.75	61.22
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	185.53	76.53
26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	75.39	30.61
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	88.23	36.73
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	107.68	45.92
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	108.66	45.92
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	108.86	45.92
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.10	45.92
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	143.11	61.22
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	146.75	61.22
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	185.53	76.53
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	190.45	76.53
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	240.45	91.83
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	247.94	91.83
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	338.39	122.44
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	424.21	153.05
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	499.82	183.66
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	595.07	214.28
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	684.06	244.89
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	848.92	306.11
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,002.49	364.28

26 Electrical
26 05 Common Work Results for Electrical
26 05 83 Wiring Connections



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0162	EA		150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,187.51	424.88
26 05 83 00-0163	EA		200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,691.20	637.20
26 05 83 00-0164			AC Three Phase, 460 Volt (26 05 83 00-0130)		
26 05 83 00-0165	EA		1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	75.39	30.61
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	88.23	36.73
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	107.68	45.92
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	108.66	45.92
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	108.86	45.92
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.10	45.92
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	143.11	61.22
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	146.75	61.22
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	185.53	76.53
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	190.45	76.53
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	240.46	91.83
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	247.93	91.83
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	338.39	122.44
26 05 83 00-0178	EA		40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	424.58	153.30
26 05 83 00-0179	EA		50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	499.82	183.66
26 05 83 00-0180	EA		60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	595.07	214.28
26 05 83 00-0181	EA		75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	684.06	244.89
26 05 83 00-0182	EA		100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	848.92	306.11
26 05 83 00-0183	EA		125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,002.84	364.40
26 05 83 00-0184	EA		150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,187.98	425.13
26 05 83 00-0185	EA		200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,692.27	637.69
26 05 83 00-0186			AC Single Phase, 120 Volt (26 05 83 00-0130)		
26 05 83 00-0187	EA		1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.88	30.61
26 05 83 00-0188			Motor Moisture Sensor (26 05 83 00-0130)		
26 05 83 00-0189	EA		Motor Moisture Sensor Located In Winding.....	841.79	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001			Lighting Contactors (26 09 23)		
			Note: Up to 600 volt.		
26 09 23 00-0002			Electrically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0003			NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0004			2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0005	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	537.38	97.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.77	
26 09 23 00-0006	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	666.97	110.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.12	
26 09 23 00-0007	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,257.57	171.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.86	
26 09 23 00-0008	EA		100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,967.31	232.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.59	
26 09 23 00-0009	EA		200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,144.45	306.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.67	
26 09 23 00-0010			3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0011	EA		20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	606.99	110.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.12	
26 09 23 00-0012	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	730.86	122.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.47	
26 09 23 00-0013	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,359.09	195.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.55	
26 09 23 00-0014	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,123.24	257.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.28	
26 09 23 00-0015	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,446.79	336.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.04	
26 09 23 00-0016			4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0017	EA		20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	716.60	122.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.47	
26 09 23 00-0018	EA		30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	863.23	134.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.81	
26 09 23 00-0019	EA		60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,648.23	220.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0020 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,546.55 168.98	281.62
26 09 23 00-0021 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,692.92 220.40	367.34
26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0024 EA 30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	887.49 66.12	110.20
26 09 23 00-0025 EA 60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,804.99 102.86	171.42
26 09 23 00-0026 EA 100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,722.48 139.59	232.64
26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0028 EA 30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,276.44 73.47	122.44
26 09 23 00-0029 EA 60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,978.83 117.55	195.91
26 09 23 00-0030 EA 100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,000.23 154.28	257.13
26 09 23 00-0031 EA 200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,978.07 202.04	336.73
26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0033 EA 30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,202.90 80.81	134.69
26 09 23 00-0034 EA 60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,983.99 132.24	220.40
26 09 23 00-0035 EA 100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,716.10 168.98	281.62
26 09 23 00-0036 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0037 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0038 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	900.39 58.77	97.95
26 09 23 00-0039 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,148.25 66.12	110.20
26 09 23 00-0040 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,217.32 102.86	171.42
26 09 23 00-0041 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,330.47 139.59	232.64
26 09 23 00-0042 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,471.12 183.67	306.11
26 09 23 00-0043 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0044 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	932.06 66.12	110.20
26 09 23 00-0045 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,212.15 73.47	122.44
26 09 23 00-0046 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,321.65 117.55	195.91
26 09 23 00-0047 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,485.47 154.28	257.13
26 09 23 00-0048 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,772.52 202.04	336.73
26 09 23 00-0049 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0050 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,006.80 73.47	122.44
26 09 23 00-0051 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,344.52 80.81	134.69
26 09 23 00-0052 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,985.13 132.24	220.40
26 09 23 00-0053 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,283.11 168.98	281.62
26 09 23 00-0054 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,050.64 220.40	367.34
26 09 23 00-0055 NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0056 2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0057 EA 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,711.88 102.86	171.42
26 09 23 00-0058 EA 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,849.61 139.59	232.64
26 09 23 00-0059 EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,599.18 183.67	306.11
26 09 23 00-0060 3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0061 EA 60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,896.66 117.55	195.91
26 09 23 00-0062 EA 100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,092.60 154.28	257.13
26 09 23 00-0063 4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0064 EA 60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,481.43 132.24	220.40
26 09 23 00-0065 EA 100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,049.86 168.98	281.62
26 09 23 00-0066 Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0067 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0068 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0069 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	801.95 58.77	97.95
26 09 23 00-0070 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	912.77 66.12	110.20
26 09 23 00-0071 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,736.04 102.86	171.42
26 09 23 00-0072 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,420.44 139.59	232.64
26 09 23 00-0073 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,615.50 183.67	306.11
26 09 23 00-0074 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0075 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	856.18 66.12	110.20
26 09 23 00-0076 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	978.54 73.47	122.44
26 09 23 00-0077 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,840.37 117.55	195.91
26 09 23 00-0078 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,577.31 154.28	257.13
26 09 23 00-0079 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,316.57 202.04	336.73
26 09 23 00-0080 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0081 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	923.74 73.47	122.44
26 09 23 00-0082 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,042.43 80.81	134.69
26 09 23 00-0083 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,154.84 132.24	220.40
26 09 23 00-0084 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,027.83 168.98	281.62
26 09 23 00-0085 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,633.06 220.40	367.34
26 09 23 00-0086 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0087 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)		
26 09 23 00-0088 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,211.10 58.77	97.95
26 09 23 00-0089 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,394.06 66.12	110.20
26 09 23 00-0090 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,698.60 102.86	171.42
26 09 23 00-0091 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,783.61 139.59	232.64
26 09 23 00-0092 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,940.30 183.67	306.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0093			3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0086)</small>		
26 09 23 00-0094	EA		20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.66 66.12	110.20
26 09 23 00-0095	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,459.83 73.47	122.44
26 09 23 00-0096	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,802.94 117.55	195.91
26 09 23 00-0097	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,941.42 154.28	257.13
26 09 23 00-0098	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,643.24 202.04	336.73
26 09 23 00-0099			4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0086)</small>		
26 09 23 00-0100	EA		20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,351.35 73.47	122.44
26 09 23 00-0101	EA		30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,523.71 80.81	134.69
26 09 23 00-0102	EA		60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,491.74 132.24	220.40
26 09 23 00-0103	EA		100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,764.39 168.98	281.62
26 09 23 00-0104	EA		200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,922.30 220.40	367.34
26 09 23 00-0105			NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0066)</small>		
26 09 23 00-0106			2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0105)</small>		
26 09 23 00-0107	EA		30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	750.87 66.12	110.20
26 09 23 00-0108	EA		60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,389.82 102.86	195.91
26 09 23 00-0109	EA		100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,893.82 139.59	232.64
26 09 23 00-0110	EA		200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,426.09 183.67	306.11
26 09 23 00-0111			3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0105)</small>		
26 09 23 00-0112	EA		30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	799.21 73.47	122.44
26 09 23 00-0113			4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0105)</small>		
26 09 23 00-0114	EA		200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,974.16 220.40	367.34
26 09 23 00-0115			Combination Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0116			Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0115)</small>		
26 09 23 00-0117			NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0116)</small>		
26 09 23 00-0118			3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0117)</small>		
26 09 23 00-0119	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,557.01 80.81	134.69
26 09 23 00-0120	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,440.57 129.30	215.51
26 09 23 00-0121	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,951.57 169.71	282.85
26 09 23 00-0122	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,238.11 222.24	370.40
26 09 23 00-0123			NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0116)</small>		
26 09 23 00-0124			3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0123)</small>		
26 09 23 00-0125	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,839.03 80.81	134.69

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0126	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,416.36 129.30	215.51
26 09 23 00-0127	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,399.36 169.71	282.85
26 09 23 00-0128	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,648.47 222.24	370.40
26 09 23 00-0129			Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0115)</small>		
26 09 23 00-0130			NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0129)</small>		
26 09 23 00-0131			3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0130)</small>		
26 09 23 00-0132	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,703.37 80.81	134.69
26 09 23 00-0133	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,947.18 129.30	215.51
26 09 23 00-0134	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,431.45 169.71	282.85
26 09 23 00-0135	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,601.75 222.24	370.40
26 09 23 00-0136			NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0129)</small>		
26 09 23 00-0137			3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0136)</small>		
26 09 23 00-0138	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,986.79 80.81	134.69
26 09 23 00-0139	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,925.79 129.30	215.51
26 09 23 00-0140	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,880.64 169.71	282.85
26 09 23 00-0141	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,012.11 222.24	370.40
26 09 23 00-0142			Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0143	EA		105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.93 19.13	31.83
26 09 23 00-0144	EA		105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.24 19.13	31.83
26 09 23 00-0145			Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0146	EA		2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,749.99 73.47	122.44
26 09 23 00-0147	EA		4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,261.17 73.47	122.44
26 09 23 00-0148	EA		6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,781.46 73.47	122.44
26 09 23 00-0149			Dimming Module Contol (Leviton) <small>(26 09 23)</small>		
26 09 23 00-0150	EA		5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.43 9.20	15.35
26 09 23 00-0151			Light Control Panels <small>(26 09 23)</small>		
26 09 23 00-0152			Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0151)</small>		
26 09 23 00-0153			Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0152)</small>		
26 09 23 00-0154	EA		4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,952.26 103.10	171.84
26 09 23 00-0155	EA		8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,830.48 110.47	184.11
26 09 23 00-0156	EA		8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,059.07 110.47	184.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0157 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8).....	3,082.05	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0158 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G).....	3,350.42	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0159 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4).....	2,172.10	171.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.10	
26 09 23 00-0160 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8).....	2,330.71	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0161 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G).....	2,598.82	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0162 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	3,189.30	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0163 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	3,457.66	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0164 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0152)		
26 09 23 00-0165 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2).....	188.81	30.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 09 23 00-0166 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	145.29	24.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.73	
26 09 23 00-0167 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2).....	76.33	24.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.73	
26 09 23 00-0168 Lighting Control Panels (Synergy) (26 09 23 00-0151)		
26 09 23 00-0169 Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0170 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S).....	2,777.45	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0171 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0168)		
26 09 23 00-0172 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	681.25	30.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.41	
26 09 23 00-0173 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	263.86	12.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0174 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	149.44	18.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.05	
26 09 23 00-0175 Lighting Switching Panels (Lutron) (26 09 23 00-0151)		
26 09 23 00-0176 Lighting Switching Panels (Lutron) (26 09 23 00-0175)		
26 09 23 00-0177 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,260.10	184.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.47	
26 09 23 00-0178 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	3,098.83	196.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.83	
26 09 23 00-0179 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	4,057.95	208.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.20	
26 09 23 00-0180 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0151)		
26 09 23 00-0181 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z).....	1,511.50	171.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.10	
26 09 23 00-0182 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z).....	1,723.83	171.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.10	
26 09 23 00-0183 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z).....	1,936.16	171.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.10	
26 09 23 00-0184 Power Filters (26 09 23 00-0151)		
26 09 23 00-0185 EA 600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure.....	29,907.94	1,020.33
26 09 23 00-0186 EA 200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure.....	17,607.59	443.62
26 09 23 00-0187 Signal Filters (26 09 23 00-0151)		
26 09 23 00-0188 EA 0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	13,931.01	927.64
26 09 23 00-0189 EA 0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	9,493.91	566.92
26 09 23 00-0190 EA 0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	5,302.83	329.13
26 09 23 00-0191 EA 5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	7,160.64	329.13
26 09 23 00-0192 Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0193 EA 8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D).....	16,077.35	122.74
Note: Excludes GB II cable.		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0194 EA Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,347.76	122.74
26 09 23 00-0195 EA Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,822.30	122.74
26 09 23 00-0196 EA Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,171.93	122.74
26 09 23 00-0197 EA Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	126.71	15.35
26 09 23 00-0198 EA Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	196.56	15.35
26 09 23 00-0199 EA Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	246.99	30.68
26 09 23 00-0200 EA Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	298.33	30.68
26 09 23 00-0201 EA Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	157.40	30.68
26 09 23 00-0202 EA Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	227.25	30.68
26 09 23 00-0203 EA 16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	572.96	61.37
26 09 23 00-0204 EA Rack Mounted, Wired Power Bar (Encelium PWR-700) 26 09 23 00-0205 EA Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	429.47 790.19	61.37 61.37
26 09 23 00-0206 EA Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	267.31	61.37
26 09 23 00-0207 EA 4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	886.28	61.37
26 09 23 00-0208 EA Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,315.14	245.49
26 09 23 00-0209 EA Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	6,902.47	61.37
26 09 23 00-0210 EA Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	257.77	15.35
26 09 23 00-0211 EA 3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	314.52	15.35
26 09 23 00-0212 EA 3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	300.83	15.35
26 09 23 00-0213 EA 5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	314.52	15.35
26 09 23 00-0214 EA 6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	300.83	15.35
26 09 23 00-0215 EA Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	227.10	15.35
26 09 23 00-0216 EA Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	314.52	15.35
26 09 23 00-0217 EA 3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	300.83	15.35
26 09 23 00-0218 EA Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	221.58	15.35
26 09 23 00-0219 EA Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	93.87	15.35
26 09 23 00-0220 EA 1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	75.73	30.68
26 09 23 00-0221 EA 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	76.33	30.68
26 09 23 00-0222 EA 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	81.17	30.68
26 09 23 00-0223 EA 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	85.94	30.68
26 09 23 00-0224 EA 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	91.64	30.68
26 09 23 00-0225 EA 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	96.78	30.68
26 09 23 00-0226 EA 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	103.09	30.68
26 09 23 00-0227 EA 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	131.62	30.68
26 09 23 00-0228 EA 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	852.86	30.68
26 09 23 00-0229 EA Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	206.18	30.68
26 09 23 00-0230 EA 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,101.37	30.68
26 09 23 00-0231 EA Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	642.75	61.37
26 09 23 00-0232 EA Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	642.75	61.37
26 09 23 00-0233 EA Skylight Wired Photo Sensor (Encelium PHS-900)..... Note: Excludes GB II cable.	642.75	61.37
26 09 23 00-0234 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	333.53	61.37
26 09 23 00-0235 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	323.16	61.37
26 09 23 00-0236 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	330.08	61.37
26 09 23 00-0237 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	364.64	61.37
26 09 23 00-0238 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG)..... Note: Excludes GB II cable.	330.08	61.37
26 09 23 00-0239 EA 120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	260.98	61.37
26 09 23 00-0240 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V) Note: Excludes GB II cable.	276.77	61.37
26 09 23 00-0241 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	276.77	61.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0242 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	145.13	61.37
26 09 23 00-0243 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	338.63	61.37
26 09 23 00-0244 EA Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	479.50	61.37
26 09 23 00-0245 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	419.92	61.37
26 09 23 00-0246 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	447.57	61.37
26 09 23 00-0247 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	461.40	61.37
26 09 23 00-0248 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM- 1200) Note: Excludes GB II cable.	416.46	61.37
26 09 23 00-0249 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	347.37	61.37
26 09 23 00-0250 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	434.79	61.37
26 09 23 00-0251 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	431.17	61.37
26 09 23 00-0252 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	478.32	61.37
26 09 23 00-0253 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	463.82	61.37
26 09 23 00-0254 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	499.25	61.37
26 09 23 00-0255 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	463.97	61.37
26 09 23 00-0256 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	463.97	61.37
26 09 23 00-0257 EA 10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C) 26 09 23 00-0258 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C) 26 09 23 00-0259 EA 20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P) 26 09 23 00-0260 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P) 26 09 23 00-0261 EA 10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D) 26 09 23 00-0262 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D) 26 09 23 00-0263 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	304.72 326.44 572.48 612.36 451.47 470.74 1,351.31	61.37 61.37 61.37 61.37 61.37 61.37 122.74
26 09 23 00-0264 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,220.40	490.97
26 09 23 00-0265 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,163.49	490.97
26 09 23 00-0266 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,106.57	490.97
26 09 23 00-0267 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	675.65	61.37
26 09 23 00-0268 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	774.39	61.37
26 09 23 00-0269 EA Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,097.42	61.37
26 09 23 00-0270 EA Wireless Control Module (Encelium EN-WCM-ZB) 26 09 23 00-0271 EA Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR) 26 09 23 00-0272 EA Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK) 26 09 23 00-0273 EA Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR) 26 09 23 00-0274 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	285.17 337.83 339.14 351.56 254.48	30.68 30.68 30.68 30.68 15.35
26 09 23 00-0275 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	254.48	15.35
26 09 23 00-0276 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	254.48	15.35
26 09 23 00-0277 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	254.48	15.35
26 09 23 00-0278 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	254.48	15.35
26 09 23 00-0279 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) 26 09 23 00-0280 EA 315 MHz, Wireless Photocell (Encelium TAP-17C) 26 09 23 00-0281 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) 26 09 23 00-0282 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) 26 09 23 00-0283 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR) 26 09 23 00-0284 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR) 26 09 23 00-0285 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	263.03 557.17 346.54 346.54 399.20 399.20 254.48	15.35 61.37 61.37 61.37 61.37 61.37 15.35
26 09 23 00-0286 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	254.48	15.35
26 09 23 00-0287 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	254.48	15.35
26 09 23 00-0288 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	254.48	15.35

26 Electrical

26 09 Instrumentation and Control for Electrical Systems

26 09 23 Lighting Control Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0289 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	254.48	15.35
Note: Includes white finish.		
26 09 23 00-0290 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	263.03	15.35
Note: Includes white finish.		
26 09 23 00-0291 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	557.17	61.37
26 09 23 00-0292 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	254.48	15.35
26 09 23 00-0293 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	254.48	15.35
26 09 23 00-0294 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	254.48	15.35
26 09 23 00-0295 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	263.03	15.35
26 09 23 00-0296 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	557.17	61.37
26 09 23 00-0297 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	346.54	61.37
26 09 23 00-0298 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	346.54	61.37
26 09 23 00-0299 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	399.20	61.37
26 09 23 00-0300 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	399.20	61.37
26 09 23 00-0301 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	254.48	15.35
Note: Includes white finish.		
26 09 23 00-0302 EA 3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH).....	254.48	15.35
Note: Includes white finish.		
26 09 23 00-0303 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	254.48	15.35
Note: Includes white finish.		
26 09 23 00-0304 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	254.48	15.35
Note: Includes white finish.		
26 09 23 00-0305 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	254.48	15.35
Note: Includes white finish.		
26 09 23 00-0306 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	263.03	15.35
26 09 23 00-0307 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	557.17	61.37
26 09 23 00-0308 EA Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	153.01	61.37
26 09 23 00-0309 EA Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit).....	730.39	61.37
26 09 23 00-0310 Lighting Control Sensors (26 09 23)		
26 09 23 00-0311 EA DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI).....	389.59	27.62
26 09 23 00-0312 EA DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI).....	389.59	27.62
26 09 23 00-0313 EA Smart Multi-sensor (LG 9SD131VDA.ALWB000).....	341.06	27.62
26 09 23 00-0314 EA Zigbee Dongle (LG 9CM2315VD2.AWP01U).....	102.55	18.41
26 09 23 00-0315 EA Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	8.16	
26 09 23 00-0316 EA Clip for Downlight (BKTCE015123.BUAAWAA).....	66.86	
26 09 23 00-0317 EA Clip for Tube (LG BKTU015121.BUAAWAA).....	11.69	
26 09 23 00-0318 Radio Controlled Devices (Lutron) (26 09 23)		
26 09 23 00-0319 Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0320 Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0321 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	514.91	18.41
26 09 23 00-0322 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	669.87	18.41
26 09 23 00-0323 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	844.19	18.41
26 09 23 00-0324 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0325 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	514.91	18.41
26 09 23 00-0326 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	611.76	18.41
26 09 23 00-0327 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	844.19	18.41
26 09 23 00-0328 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	514.91	18.41
26 09 23 00-0329 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	669.87	18.41
26 09 23 00-0330 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	844.19	18.41
26 09 23 00-0331 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0332 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	669.87	18.41
26 09 23 00-0333 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	844.19	18.41
26 09 23 00-0334 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	844.19	18.41
26 09 23 00-0335 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0336 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	514.91	18.41
26 09 23 00-0337 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	669.87	18.41
26 09 23 00-0338 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	611.76	18.41
26 09 23 00-0339 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	747.35	18.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 09 23 00-0340	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	669.87	18.41
	26 09 23 00-0341	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	805.45	18.41
	26 09 23 00-0342	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	669.87	18.41
26 09 23 00-0343				Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
	26 09 23 00-0344	EA		One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	514.91	18.41
	26 09 23 00-0345	EA		Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	669.87	18.41
	26 09 23 00-0346	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	669.87	18.41
	26 09 23 00-0347	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	844.19	18.41
	26 09 23 00-0348	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	669.87	18.41
	26 09 23 00-0349	EA		One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	844.19	18.41
26 09 23 00-0350				Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
	26 09 23 00-0351	EA		Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	514.91	18.41
	26 09 23 00-0352	EA		Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	669.87	18.41
	26 09 23 00-0353	EA		Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	844.19	18.41
26 09 23 00-0354				Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
	26 09 23 00-0355	EA		Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	108.16	18.41
26 09 23 00-0356				Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0318)</small>		
	26 09 23 00-0357	EA		On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	476.18	18.41
	26 09 23 00-0358	EA		Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	514.91	18.41
	26 09 23 00-0359	EA		Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	514.91	18.41
	26 09 23 00-0360	EA		Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	514.91	18.41
	26 09 23 00-0361	EA		Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	514.91	18.41
	26 09 23 00-0362	EA		Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	514.91	18.41
26 09 23 00-0363				Interfaces For Radio Controlled Devices <small>(26 09 23 00-0318)</small>		
	26 09 23 00-0364	EA		Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	476.18	18.41
	26 09 23 00-0365	EA		Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	476.18	18.41
	26 09 23 00-0366	EA		Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	476.18	18.41
	26 09 23 00-0367	EA		Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	968.16	18.41
	26 09 23 00-0368	EA		RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,386.53	18.41
	26 09 23 00-0369	EA		Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,386.53	18.41
26 09 23 00-0370				Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0318)</small>		
	26 09 23 00-0371	EA		On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	611.76	18.41
	26 09 23 00-0372	EA		Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	689.24	18.41
	26 09 23 00-0373	EA		Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	805.45	18.41
26 09 23 00-0374				AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0318)</small>		
	26 09 23 00-0375	EA		Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	902.30	18.41
	26 09 23 00-0376	EA		Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,241.26	18.41
26 09 23 00-0377				RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) <small>(26 09 23)</small>		
26 09 23 00-0378				RF Wireless Technology, Switches (Lutron® Maestro Wireless®) <small>(26 09 23 00-0377)</small>		
	26 09 23 00-0379	EA		6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	138.25	24.55
	26 09 23 00-0380	EA		8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	162.91	24.55
	26 09 23 00-0381	EA		8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	254.82	24.55
	26 09 23 00-0382	EA		120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS).....	97.11	24.55
	26 09 23 00-0383	EA		277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	118.65	24.55

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0384	EA		120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	106.15	24.55
26 09 23 00-0385	EA		277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	128.13	24.55
26 09 23 00-0386			RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0377)		
26 09 23 00-0387	EA		600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	132.56	24.55
26 09 23 00-0388	EA		600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	143.94	24.55
26 09 23 00-0389	EA		600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	172.39	24.55
26 09 23 00-0390	EA		1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	184.66	30.68
26 09 23 00-0391	EA		600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	228.35	24.55
26 09 23 00-0392	EA		120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	75.18	24.55
26 09 23 00-0393	EA		277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	90.83	24.55
26 09 23 00-0394	EA		120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	80.88	24.55
26 09 23 00-0395	EA		277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	96.52	24.55
26 09 23 00-0396	EA		6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	256.63	42.96
26 09 23 00-0397			Removal And Reinstallation Of Occupancy Sensors (26 09 23)		
26 09 23 00-0398	EA		Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor	82.85	
			Note: Includes storing and cleaning.		
26 09 23 00-0399	EA		Removal And Reinstallation Of Wall Mounted Occupancy Sensor	55.23	
			Note: Includes storing and cleaning.		
26 09 23 00-0400			Occupancy Sensors (Watt Stopper) (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0401			Occupancy Sensors (26 09 23 00-0400)		
			Note: Exclude boxes.		
26 09 23 00-0402			Wall Switch Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0403			Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0404	EA		Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	137.48	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0405	EA		Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	162.49	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0406			Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0407	EA		Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	113.30	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0408	EA		Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	105.72	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0409	EA		Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	119.87	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0410	EA		Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	138.99	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0411	EA		Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	137.42	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0412			Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0413	EA		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	200.57	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0414	EA		Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	216.39	12.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.37	
26 09 23 00-0415			Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0402)		
26 09 23 00-0416	EA		Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.64	3.07
26 09 23 00-0417	EA		One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.90	3.07
26 09 23 00-0418	EA		Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.90	3.07
26 09 23 00-0419			Ceiling Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0420			Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0421			25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)		
26 09 23 00-0422	EA		500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	180.42	27.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0423 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	207.62	27.62
26 09 23 00-0424 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	235.02	27.62
26 09 23 00-0425 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	232.55	27.62
26 09 23 00-0426 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0420)</small>		
26 09 23 00-0427 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	196.52	27.62
26 09 23 00-0428 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	224.11	27.62
26 09 23 00-0429 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	250.23	27.62
26 09 23 00-0430 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	254.66	27.62
26 09 23 00-0431 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	213.01	27.62
26 09 23 00-0432 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	241.28	27.62
26 09 23 00-0433 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	269.45	27.62
26 09 23 00-0434 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	277.56	27.62
26 09 23 00-0435 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0420)</small>		
26 09 23 00-0436 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	204.49	27.62
26 09 23 00-0437 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	237.45	27.62
26 09 23 00-0438 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	265.04	27.62
26 09 23 00-0439 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	192.34	27.62
26 09 23 00-0440 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	233.89	27.62
26 09 23 00-0441 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	247.34	27.62
26 09 23 00-0442 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	206.20	27.62
26 09 23 00-0443 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	230.12	27.62
26 09 23 00-0444 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	259.65	27.62
26 09 23 00-0445 Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0419)</small>		
26 09 23 00-0446 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	148.67	27.62
26 09 23 00-0447 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	151.88	27.62
26 09 23 00-0448 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	159.49	27.62
26 09 23 00-0449 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	179.90	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>16.57</i>
26 09 23 00-0450 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	182.38	27.62
26 09 23 00-0451 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	193.06	27.62
26 09 23 00-0452 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	210.16	27.62
26 09 23 00-0453 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0419)</small>		
26 09 23 00-0454 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	250.00	27.62
26 09 23 00-0455 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	286.17	27.62
26 09 23 00-0456 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	242.32	27.62
26 09 23 00-0457 Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0401)</small>		
26 09 23 00-0458 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0457)</small>		
26 09 23 00-0459 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	307.85	27.62
26 09 23 00-0460 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	307.85	27.62
26 09 23 00-0461 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0457)</small>		
26 09 23 00-0462 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	286.17	27.62
26 09 23 00-0463 Occupancy Sensor Power Packs <small>(26 09 23 00-0400)</small>		
26 09 23 00-0464 Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0463)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0465 EA 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	99.67	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0466 EA 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	90.49	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0467 Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0463)</small>		
26 09 23 00-0468 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	82.92	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0469 Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0463)</small>		
26 09 23 00-0470 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	110.62	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0471 Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0463)</small>		
26 09 23 00-0472 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	100.09	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0473 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	100.17	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0474 Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0463)</small>		
26 09 23 00-0475 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	126.72	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0476 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	128.54	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0477 Occupancy Sensor Power Supplies <small>(26 09 23 00-0463)</small>		
26 09 23 00-0478 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	114.92	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0479 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	261.34	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0480 Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0463)</small>		
26 09 23 00-0481 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	346.73	24.55
26 09 23 00-0482 DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0463)</small>		
26 09 23 00-0483 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	109.58	24.55
26 09 23 00-0484 Occupancy Sensor Accessories <small>(26 09 23 00-0400)</small>		
26 09 23 00-0485 Protective Cages For Occupancy Sensors <small>(26 09 23 00-0484)</small>		
26 09 23 00-0486 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	63.52	9.20
26 09 23 00-0487 Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0484)</small>		
26 09 23 00-0488 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	48.70	15.35
<i>Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.</i>		
26 09 23 00-0489 Occupancy/Lighting Logger <small>(26 09 23 00-0484)</small>		
<i>Note: Logs when a space is occupied/vacant and when lighting is on/off.</i>		
26 09 23 00-0490 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	473.49	52.17
26 09 23 00-0491 Digital Time Light Switches <small>(26 09 23 00-0400)</small>		
26 09 23 00-0492 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	102.14	12.27
26 09 23 00-0493 Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor <small>(26 09 23 00-0400)</small>		
26 09 23 00-0494 EA Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211).....	223.03	39.89
26 09 23 00-0495 Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>		
<i>Note: Includes testing of new devices and certification.</i>		
26 09 23 00-0496 Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0495)</small>		
<i>Note: Exclude boxes</i>		
26 09 23 00-0497 Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0496)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 09 23 00-0498	Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)^(26 09 23 00-0497)	
	26 09 23 00-0499	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	218.24	12.27
	26 09 23 00-0500	EA		Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	153.68	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0501	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	146.58	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0502	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	146.58	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0503	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	185.96	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0504	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	185.96	12.27
	26 09 23 00-0505	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	226.33	12.27
	26 09 23 00-0506	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	185.96	12.27
				26 09 23 00-0507	Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)^(26 09 23 00-0497)	
	<i>Note: Includes passive infrared and microphonics detection</i>					
	26 09 23 00-0508	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	282.81	12.27
	26 09 23 00-0509	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	218.24	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0510	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	213.41	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0511	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	213.41	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0512	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	250.53	12.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				7.37	
	26 09 23 00-0513	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	250.53	12.27
	26 09 23 00-0514	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	269.90	12.27
				26 09 23 00-0515	Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)^(26 09 23 00-0497)	
	26 09 23 00-0516	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	19.04	3.07
	26 09 23 00-0517	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	19.04	3.07
	26 09 23 00-0518	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	38.41	3.07
	26 09 23 00-0519	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	38.41	3.07
				26 09 23 00-0520	360 Degree View Occupancy Sensors (Sensor Switch)^(26 09 23 00-0496)	
				26 09 23 00-0521	Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)^(26 09 23 00-0520)	
	<i>Note: One photocell or dimming option per occupancy sensor</i>					
	26 09 23 00-0522	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	248.92	27.62
	26 09 23 00-0523	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	248.92	27.62
	26 09 23 00-0524	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	248.92	27.62
	26 09 23 00-0525	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	265.06	27.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				16.57	
	26 09 23 00-0526	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	265.06	27.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				16.57	
	26 09 23 00-0527	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	213.41	27.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				16.57	
	26 09 23 00-0528	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	329.63	27.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				16.57	
	26 09 23 00-0529	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	329.63	27.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				16.57	
	26 09 23 00-0530	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	277.98	27.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				16.57	
	26 09 23 00-0531	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	248.92	27.62
	26 09 23 00-0532	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	248.92	27.62
	26 09 23 00-0533	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	248.92	27.62
	26 09 23 00-0534	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	265.06	27.62
	26 09 23 00-0535	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	265.06	27.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				16.57	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0536 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	213.41	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0537 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	329.63	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0538 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	329.63	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0539 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	277.98	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)^(26 09 23 00-0520)		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0541 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	313.49	27.62
26 09 23 00-0542 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	313.49	27.62
26 09 23 00-0543 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	313.49	27.62
26 09 23 00-0544 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	297.35	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0545 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	297.35	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0546 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	245.70	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0547 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	361.91	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0548 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	361.91	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0549 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	310.26	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0550 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	313.49	27.62
26 09 23 00-0551 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	313.49	27.62
26 09 23 00-0552 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	313.49	27.62
26 09 23 00-0553 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	297.35	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0554 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	297.35	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0555 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	245.70	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0556 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	361.91	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0557 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	361.91	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0558 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	310.26	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0559 Wide View And Hallway Occupancy Sensors (Sensor Switch)^(26 09 23 00-0496)		
26 09 23 00-0560 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch)^(26 09 23 00-0559)		
26 09 23 00-0561 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	248.92	27.62
26 09 23 00-0562 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	281.21	27.62
26 09 23 00-0563 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	345.77	27.62
26 09 23 00-0564 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	329.63	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0565 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	394.19	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0566 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch)^(26 09 23 00-0559)		
Note: Includes passive infrared and microphonics detection		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0567 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	313.49	27.62
26 09 23 00-0568 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	361.91	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0569 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	426.48	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0570 High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0496)</small>		
26 09 23 00-0571 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0570)</small>		
26 09 23 00-0572 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	248.92	27.62
26 09 23 00-0573 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	248.92	27.62
26 09 23 00-0574 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	248.92	27.62
26 09 23 00-0575 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	213.41	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0576 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	213.41	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0577 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	213.41	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0578 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	277.98	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0579 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	277.98	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0580 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	277.98	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0581 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	236.01	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0582 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	236.01	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0583 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	236.01	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0584 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	236.01	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0585 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	236.01	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0586 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	236.01	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0587 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	281.21	27.62
26 09 23 00-0588 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	281.21	27.62
26 09 23 00-0589 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	281.21	27.62
26 09 23 00-0590 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	342.54	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0591 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	342.54	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0592 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	342.54	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0593 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	300.58	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0594 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	300.58	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0595 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	252.15	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0596 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	252.15	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0597 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	252.15	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0598 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	252.15	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0599 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	281.21	27.62
26 09 23 00-0600 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	281.21	27.62
26 09 23 00-0601 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	342.54	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0602 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	342.54	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0603 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	329.63	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0604 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	297.35	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0605 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	297.35	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0606 Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0495)</small>		
26 09 23 00-0607 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	139.49	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0608 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	204.05	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0609 EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	107.21	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0610 EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	97.52	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0611 EA 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	129.81	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0612 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	210.51	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0613 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	210.51	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0614 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	210.51	24.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73	
26 09 23 00-0615 Daylighting Control (Sensor Switch) <small>(26 09 23 00-0495)</small>		
26 09 23 00-0616 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	216.64	27.62
26 09 23 00-0617 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	216.64	27.62
26 09 23 00-0618 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	216.64	27.62
26 09 23 00-0619 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	216.64	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0620 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	216.64	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0621 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	216.64	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0622 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	216.64	27.62
26 09 23 00-0623 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	216.64	27.62
26 09 23 00-0624 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	216.64	27.62
26 09 23 00-0625 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	216.64	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0626 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	216.64	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0627 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	216.64	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0628 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	313.49	27.62
26 09 23 00-0629 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	313.49	27.62
26 09 23 00-0630 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	313.49	27.62
26 09 23 00-0631 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	313.49	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0632 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	313.49	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0633 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	313.49	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 09 23 00-0634 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0635		Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0634) Note: Excludes boxes.		
26 09 23 00-0636		Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0637		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0636) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0638	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	339.72	12.27
26 09 23 00-0639		360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0640		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639) Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0641	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	401.57	27.62
26 09 23 00-0642	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	401.57	27.62
26 09 23 00-0643	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	401.57	27.62
26 09 23 00-0644		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0645	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	470.83	27.62
26 09 23 00-0646	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	470.83	27.62
26 09 23 00-0647	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	488.12	27.62
26 09 23 00-0648		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0649		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0648) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	470.83	27.62
26 09 23 00-0651		High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0652		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0651)		
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	401.57	27.62
26 09 23 00-0654		Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	135.68	24.55
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	170.35	24.55
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	229.19	24.55
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	229.19	24.55
26 09 23 00-0659		Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X).....	488.12	27.62
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	392.70	27.62
26 09 23 00-0662		Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	332.30	27.62
26 09 23 00-0664		Controls (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	218.01	27.62
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	315.01	27.62
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	730.59	27.62
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	730.59	27.62
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,739.34	27.62



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0670			Occupancy Sensors (Lutron) <small>(26 09 23)</small> Note: Includes testing of new devices and certification.		
26 09 23 00-0671			Wireless Occupancy Sensors <small>(26 09 23 00-0670)</small>		
26 09 23 00-0672	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	161.80	27.62
26 09 23 00-0673	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	168.96	27.62
26 09 23 00-0674	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	163.50	27.62
26 09 23 00-0675	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	172.97	27.62
26 09 23 00-0676	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	165.62	27.62
26 09 23 00-0677	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	172.97	27.62
26 09 23 00-0678	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	161.80	27.62
26 09 23 00-0679	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	165.62	27.62
26 09 23 00-0680	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	163.50	27.62
26 09 23 00-0681	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	252.68	27.62
26 09 23 00-0682	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	269.66	27.62
26 09 23 00-0683	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	307.88	27.62
26 09 23 00-0684	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	324.87	27.62
26 09 23 00-0685	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	333.36	27.62
26 09 23 00-0686	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	350.35	27.62
26 09 23 00-0687	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	199.17	27.62
26 09 23 00-0688	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	210.21	27.62
26 09 23 00-0689	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	246.31	27.62
26 09 23 00-0690	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	273.91	27.62
26 09 23 00-0691	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	295.14	27.62
26 09 23 00-0692	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	254.80	27.62
26 09 23 00-0693	EA		Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	234.18	27.62
26 09 23 00-0694	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	195.80	27.62
26 09 23 00-0695	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	241.05	27.62
26 09 23 00-0696	EA		Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	292.73	27.62
26 09 23 00-0697	EA		Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	310.71	27.62
26 09 23 00-0698	EA		Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	310.71	27.62
26 09 23 00-0699	EA		Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	310.71	27.62
26 09 23 00-0700	EA		Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	327.19	27.62
26 09 23 00-0701	EA		Wireless, Two Switches and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	530.81	39.89
26 09 23 00-0702			Nodes And Modules <small>(26 09 23 00-0670)</small>		
26 09 23 00-0703	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	263.29	27.62
26 09 23 00-0704	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	263.29	27.62
26 09 23 00-0705	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	333.36	27.62
26 09 23 00-0706	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	333.36	27.62
26 09 23 00-0707	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	426.56	30.68
26 09 23 00-0708	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	426.56	30.68
26 09 23 00-0709	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	517.86	30.68
26 09 23 00-0710	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	530.60	30.68
26 09 23 00-0711	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	655.88	30.68
26 09 23 00-0712	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	696.22	30.68
26 09 23 00-0713	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	736.56	30.68
26 09 23 00-0714	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,993.24	49.10
26 09 23 00-0715	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,957.75	55.23
26 09 23 00-0716	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,872.43	61.37
26 09 23 00-0717			Other Accessories <small>(26 09 23 00-0670)</small>		
26 09 23 00-0718	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	41.47	
26 09 23 00-0719	EA		Pico® Wireless Control (Lutron® PJ)	54.23	
26 09 23 00-0720	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	160.88	
26 09 23 00-0721	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	307.39	
26 09 23 00-0722	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	321.11	27.62
26 09 23 00-0723	EA		seeTouch® QS Wallstation (Lutron® QSWS2)	407.17	27.62
26 09 23 00-0724	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	407.17	27.62
26 09 23 00-0725	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	668.62	30.68
26 09 23 00-0726	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	917.04	30.68
26 09 23 00-0727	EA		Control Interface (Lutron® QSE-CI-NWK-E)	1,104.12	27.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0728 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	1,095.65	27.62
26 09 23 00-0729 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	1,467.23	27.62
26 09 23 00-0730 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	2,351.20	857.11
26 09 23 00-0731 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	3,200.53	857.11
26 09 23 00-0732 Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0733 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	155.00	27.62
26 09 23 00-0734 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	135.47	27.62
26 09 23 00-0735 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	171.14	27.62
26 09 23 00-0736 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	135.47	27.62
26 09 23 00-0737 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	226.92	12.24
26 09 23 00-0738 Wireless Enabled Communication Devices For Streetlights (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0739 Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0738)		
26 09 23 00-0740 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	346.18	
26 09 23 00-0741 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	484.72	
26 09 23 00-0742 Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0738)		
26 09 23 00-0743 EA Retrofit Receptacle Kit (Roam® DUR103).....	58.74	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0744 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	13,991.30	68.93
26 09 23 00-0745 Counter Mounted Consolets (26 09 23)		
26 09 23 00-0746 EA 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	676.24	153.05
26 09 23 00-0747 Lighting Console And Stations (26 09 23)		
26 09 23 00-0748 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	4,932.49	153.05
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add		106.98
For Lighting Console Case (ETC ColorSourcePart 11866), Add		1,140.68
26 09 23 00-0749 EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2).....	3,407.53	91.83
26 09 23 00-0750 Theatre Lighting Console (26 09 23)		
26 09 23 00-0751 EA Theatre Lighting Console (ETC Colorsourc 20).....	3,538.63	183.66
26 09 23 00-0752 Emergency Lighting Controls (26 09 23)		
26 09 23 00-0753 Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0752)		
Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0754 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	235.63	30.68
26 09 23 00-0755 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	235.63	30.68
26 09 23 00-0756 Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0752)		
Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0757 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	398.79	42.96
26 09 23 00-0758 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	544.99	49.10
26 09 23 00-0759 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	736.18	55.23
Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0760 Photocells (26 09 23)		
26 09 23 00-0761 EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	96.33	
26 09 23 00-0762 EA Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	218.12	
26 09 23 00-0763 Outdoor Lighting Motion Sensors (26 09 23)		
26 09 23 00-0764 EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	128.59	30.68
26 09 23 00-0765 EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	140.77	30.68

26 Electrical
26 09 Instrumentation and Control for Electrical Systems
26 09 23 Lighting Control Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0766	EA		30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	593.25	30.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41	
26 09 23 00-0767			Street Light Controls <small>(26 09 23)</small>		
26 09 23 00-0768			Photo Controls <small>(26 09 23 00-0767)</small>		
26 09 23 00-0769	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	90.52	
26 09 23 00-0770	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	101.26	
26 09 23 00-0771			Connector Node <small>(26 09 23 00-0767)</small>		
26 09 23 00-0772	EA		Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	537.49	3.30

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA		14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	70,877.85	2,128.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,299.19	
26 11 13 00-0004	EA		23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	86,933.64	2,692.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,623.98	
26 11 13 00-0005	EA		34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	98,579.40	2,692.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,623.98	
26 11 13 00-0006	EA		46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	113,415.07	2,692.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,732.25	
26 11 13 00-0007	EA		69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	128,655.53	3,318.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,998.75	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009	EA		Reclosure Relay, Adjustable, 3 Shot, #179.....	1,898.68	223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.50	
26 11 13 00-0010	EA		Overcurrent Relay, 1 Phase, #51/51N.....	580.37	162.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.37	
26 11 13 00-0011	EA		Directional Overcurrent Relay, Three-Phase, Device No. 67.....	879.80	162.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.11	
26 11 13 00-0012	EA		Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	695.25	162.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.37	
26 11 13 00-0013	EA		Differential Relay Package, Complete, Device No. 87.....	2,600.64	548.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	331.04	

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	40,579.52	2,128.79
			<i>For 50 Hz Operation, Add</i>	4,349.87	
			<i>For Forced Air Cooling, Add</i>	4,349.87	
			<i>For External Control Panel, Add</i>	1,087.47	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	362.49	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,812.45	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	4,531.11	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	5,437.34	
26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	46,336.77	2,667.25
			<i>For 50 Hz Operation, Add</i>	4,910.82	
			<i>For Forced Air Cooling, Add</i>	4,910.82	
			<i>For External Control Panel, Add</i>	1,227.70	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	409.23	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,046.17	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	5,115.44	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	6,138.52	
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	71,377.82	3,756.69
			<i>For 50 Hz Operation, Add</i>	7,641.47	
			<i>For Forced Air Cooling, Add</i>	7,641.47	
			<i>For External Control Panel, Add</i>	1,910.37	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	636.79	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	3,183.95	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	7,959.87	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	9,551.84	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	103,664.54 11,267.97 11,267.97 2,816.99 939.00 4,694.99 11,737.47 14,084.96	4,527.30
	26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	127,691.97 13,858.32 13,858.32 3,464.58 1,154.86 5,774.30 14,435.75 17,322.90	5,858.87
	26 11 13 00-0021			23 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
	26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	45,287.98 4,784.96 1,196.24 398.75 1,993.74 4,984.34 5,981.21 3,189.98	2,880.12
	26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	51,658.14 5,414.56 1,353.64 451.21 2,256.07 5,640.17 6,768.20 3,609.71	2,880.12
	26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	83,133.28 8,936.64 2,234.16 744.72 3,723.60 9,309.01 11,170.81 5,957.76	4,257.58
	26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	111,502.34 11,915.56 2,978.89 992.96 4,964.82 12,412.05 14,894.46 7,943.71	5,858.87
	26 11 13 00-0026	EA		10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	138,485.09 15,153.49 3,788.37 1,262.79 6,313.96 15,784.89 18,941.87 10,102.33	5,858.87
	26 11 13 00-0027			34.5 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
	26 11 13 00-0028	EA		1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	56,904.79 6,044.16 1,511.04 503.68 2,518.40 6,296.00 7,555.20 4,029.44	3,443.62
	26 11 13 00-0029	EA		2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	68,735.14 7,303.35 1,825.84 608.61 3,043.06 7,607.66 9,129.19 4,868.90	5,384.58
	26 11 13 00-0030	EA		5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	95,012.94 10,102.37 2,525.59 841.86 4,209.32 10,523.30 12,627.96 6,734.91	5,384.58

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0031	EA		7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	122,295.37 13,210.73 3,302.68 1,100.89 5,504.47 13,761.18 16,513.41 8,807.15	5,725.71
26 11 13 00-0032	EA		10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	212,057.92 23,572.11 5,893.03 1,964.34 9,821.71 24,554.29 29,465.14 15,714.74	7,323.58
26 11 13 00-0033			46 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0034	EA		1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	87,552.95 9,561.49 2,390.37 796.79 3,983.96 9,959.89 11,951.87 6,374.33	4,007.13
26 11 13 00-0035	EA		2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	98,994.66 10,840.01 2,710.00 903.33 4,516.67 11,291.68 13,550.01 7,226.67	4,007.13
26 11 13 00-0036	EA		5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	137,289.53 15,175.56 3,793.89 1,264.63 6,323.15 15,807.87 18,969.45 10,117.04	5,384.58
26 11 13 00-0037	EA		7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	167,583.74 18,235.21 4,558.80 1,519.60 7,598.01 18,995.01 22,794.02 12,156.81	7,323.58
26 11 13 00-0038	EA		10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	239,107.53 26,818.07 6,704.52 2,234.84 11,174.19 27,935.49 33,522.58 17,878.71	7,323.58
26 11 13 00-0039			69 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0040	EA		1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	126,391.48 14,127.63 3,531.91 1,177.30 5,886.51 14,716.28 17,659.54 9,418.42	4,257.58
26 11 13 00-0041	EA		2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	145,046.77 16,106.43 4,026.61 1,342.20 6,711.01 16,777.53 20,133.03 10,737.62	5,384.58
26 11 13 00-0042	EA		5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	199,882.63 22,686.73 5,671.68 1,890.56 9,452.80 23,632.01 28,358.41 15,124.49	5,384.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	211,273.11 23,477.94 5,869.48 1,956.49 9,782.47 24,456.18 29,347.42 15,651.96	7,323.58
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	277,320.39 31,403.61 7,850.90 2,616.97 13,084.84 32,712.09 39,254.51 20,935.74	7,323.58
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	76,152.96	1,050.34
26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	83,641.65	1,050.34
26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	95,196.45	1,304.69
26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	88,915.72	1,568.83
26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	100,228.97	1,568.83
26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	114,336.74	1,822.64
26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	117,809.87	2,082.36
26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	131,895.52	2,082.36
26 11 13 00-0054 EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	138,198.99	2,338.52
26 11 16 Secondary Unit Substations <small>(26 11)</small>		
26 11 16 11 Secondary Unit Substations with Switchgear Secondary <small>(26 11 16)</small>		
26 11 16 11-0001 Substation Primary Incoming Section <small>(26 11 16 11)</small>		
26 11 16 11-0002 Manual Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small> Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	38,977.65	1,542.39
26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	44,980.16	1,542.39
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small> Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	55,133.82	1,542.39
26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	59,040.30	1,542.39
26 11 16 11-0008 Accessories For Substation Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	24,282.11	
26 11 16 11-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	2,363.55	
26 11 16 11-0011 Oil Filled Substation Transformers <small>(26 11 16 11)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	42,024.60 2,810.24 1,204.39 401.46	939.17
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	62,217.79 4,197.46 1,798.91 599.64	1,127.01
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	70,466.37 4,757.33 2,038.86 679.62	1,252.23
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	83,216.07 5,605.99 2,402.57 800.86	1,565.29
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	92,389.23 6,195.51 2,655.22 885.07	1,940.95

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0018	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	98,188.80 6,540.12 2,802.91 934.30	2,379.23
26 11 16 11-0019	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	114,731.23 7,627.97 3,269.13 1,089.71	2,880.12
26 11 16 11-0020	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	122,122.71 8,110.31 3,475.85 1,158.62	3,130.57
26 11 16 11-0021	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	136,574.62 9,078.12 3,890.62 1,296.87	3,443.62
26 11 16 11-0022	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	158,280.19 10,544.91 4,519.25 1,506.42	3,819.30
26 11 16 11-0023	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	173,865.09 11,587.64 4,966.13 1,655.38	4,163.65
26 11 16 11-0024			Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)		
26 11 16 11-0025	EA		75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	40,021.77 2,670.04 1,144.30 381.43	939.17
26 11 16 11-0026	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	61,192.67 4,152.00 1,779.43 593.14	939.17
26 11 16 11-0027	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	70,422.04 4,754.23 2,037.53 679.18	1,252.23
26 11 16 11-0028	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	83,292.32 5,611.32 2,404.85 801.62	1,565.29
26 11 16 11-0029	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	100,171.81 6,740.29 2,888.70 962.90	1,940.95
26 11 16 11-0030	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	107,879.51 7,218.47 3,093.63 1,031.21	2,379.23
26 11 16 11-0031	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	119,206.03 7,941.20 3,403.37 1,134.46	2,880.12
26 11 16 11-0032	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	129,830.97 8,649.89 3,707.09 1,235.70	3,130.57
26 11 16 11-0033	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	146,542.57 9,775.87 4,189.66 1,396.55	3,443.62
26 11 16 11-0034			Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)		
26 11 16 11-0035	EA		Sudden Pressure Relay	12,168.18	
26 11 16 11-0036	EA		Throats Or Flanges (HV Or LV)	24,157.96	
26 11 16 11-0037	EA		Lightning Arrestors (3 - 1 Pole)	15,907.09	
26 11 16 11-0038	EA		Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	88,276.35	
26 11 16 11-0039	EA		Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	82,591.32	
26 11 16 11-0040			Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)		
Note: For transformer liquid containment area.					
26 11 16 11-0041	EA		112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,950.14	1,371.07
26 11 16 11-0042	EA		150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,950.14	1,371.07
26 11 16 11-0043	EA		225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,950.14	1,371.07
26 11 16 11-0044	EA		300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,950.14	1,371.07
26 11 16 11-0045	EA		500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,950.14	1,371.07
26 11 16 11-0046	EA		750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,950.14	1,371.07
26 11 16 11-0047	EA		1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,950.14	1,371.07
26 11 16 11-0048	EA		1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	11,023.09	1,580.87



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0049			Dry Type Substation Transformer <small>(26 11 16 11)</small> Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050			Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small> Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,470.83	1,001.78
			<i>For Gas Filled Transformers, Add</i>	43,480.36	
			<i>For Single Phase Transformers, Deduct</i>	-1,811.68	
			<i>For Dry Type Unit, Add</i>	16,143.16	
26 11 16 11-0052	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,596.06	1,064.39
			<i>For Gas Filled Transformers, Add</i>	43,480.36	
			<i>For Single Phase Transformers, Deduct</i>	-1,811.68	
			<i>For Dry Type Unit, Add</i>	16,155.68	
26 11 16 11-0053	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,915.65	1,252.23
			<i>For Gas Filled Transformers, Add</i>	44,046.72	
			<i>For Single Phase Transformers, Deduct</i>	-1,835.28	
			<i>For Dry Type Unit, Add</i>	16,400.91	
26 11 16 11-0054	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	83,799.32	1,377.45
			<i>For Gas Filled Transformers, Add</i>	48,626.65	
			<i>For Single Phase Transformers, Deduct</i>	-2,026.11	
			<i>For Dry Type Unit, Add</i>	18,105.26	
26 11 16 11-0055	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	92,832.77	1,627.90
			<i>For Gas Filled Transformers, Add</i>	53,746.18	
			<i>For Single Phase Transformers, Deduct</i>	-2,239.42	
			<i>For Dry Type Unit, Add</i>	20,032.51	
26 11 16 11-0056	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	107,566.98	1,878.34
			<i>For Gas Filled Transformers, Add</i>	62,286.17	
			<i>For Single Phase Transformers, Deduct</i>	-2,595.26	
			<i>For Dry Type Unit, Add</i>	23,213.93	
26 11 16 11-0057	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	124,759.09	2,254.01
			<i>For Gas Filled Transformers, Add</i>	72,150.64	
			<i>For Single Phase Transformers, Deduct</i>	-3,006.28	
			<i>For Dry Type Unit, Add</i>	26,906.04	
26 11 16 11-0058	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	147,750.84	2,504.45
			<i>For Gas Filled Transformers, Add</i>	85,645.16	
			<i>For Single Phase Transformers, Deduct</i>	-3,568.55	
			<i>For Dry Type Unit, Add</i>	31,904.12	
26 11 16 11-0059	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	192,559.37	2,629.68
			<i>For Gas Filled Transformers, Add</i>	112,380.01	
			<i>For Single Phase Transformers, Deduct</i>	-4,682.50	
			<i>For Dry Type Unit, Add</i>	41,731.94	
26 11 16 11-0060			Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	71,899.17	1,001.78
			<i>For Gas Filled Transformers, Add</i>	41,937.37	
			<i>For Single Phase Transformers, Deduct</i>	-1,747.39	
			<i>For Dry Type Unit, Add</i>	15,577.39	
26 11 16 11-0062	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	74,596.06	1,064.39
			<i>For Gas Filled Transformers, Add</i>	43,480.36	
			<i>For Single Phase Transformers, Deduct</i>	-1,811.68	
			<i>For Dry Type Unit, Add</i>	16,155.68	
26 11 16 11-0063	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,915.65	1,252.23
			<i>For Gas Filled Transformers, Add</i>	44,046.72	
			<i>For Single Phase Transformers, Deduct</i>	-1,835.28	
			<i>For Dry Type Unit, Add</i>	16,400.91	
26 11 16 11-0064	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	83,799.32	1,377.45
			<i>For Gas Filled Transformers, Add</i>	48,626.65	
			<i>For Single Phase Transformers, Deduct</i>	-2,026.11	
			<i>For Dry Type Unit, Add</i>	18,105.26	
26 11 16 11-0065	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	92,832.77	1,627.90
			<i>For Gas Filled Transformers, Add</i>	53,746.18	
			<i>For Single Phase Transformers, Deduct</i>	-2,239.42	
			<i>For Dry Type Unit, Add</i>	20,032.51	
26 11 16 11-0066	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	107,566.98	1,878.34
			<i>For Gas Filled Transformers, Add</i>	62,286.17	
			<i>For Single Phase Transformers, Deduct</i>	-2,595.26	
			<i>For Dry Type Unit, Add</i>	23,213.93	
26 11 16 11-0067	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	124,759.09	2,254.01
			<i>For Gas Filled Transformers, Add</i>	72,150.64	
			<i>For Single Phase Transformers, Deduct</i>	-3,006.28	
			<i>For Dry Type Unit, Add</i>	26,906.04	
26 11 16 11-0068	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	147,750.84	2,504.45
			<i>For Gas Filled Transformers, Add</i>	85,645.16	
			<i>For Single Phase Transformers, Deduct</i>	-3,568.55	
			<i>For Dry Type Unit, Add</i>	31,904.12	
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	192,559.37	2,629.68
			<i>For Gas Filled Transformers, Add</i>	112,380.01	
			<i>For Single Phase Transformers, Deduct</i>	-4,682.50	
			<i>For Dry Type Unit, Add</i>	41,731.94	
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	211,584.41	2,754.90
			<i>For Gas Filled Transformers, Add</i>	123,644.77	
			<i>For Single Phase Transformers, Deduct</i>	-5,151.87	
			<i>For Dry Type Unit, Add</i>	45,887.39	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	236,488.59 138,437.00 -5,768.21 51,336.26	2,880.12
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	273,128.75 160,270.84 -6,677.95 59,367.04	3,005.34
26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small>					
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	80,042.98 46,673.38 -1,944.72 17,338.97	1,127.01
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	82,724.99 48,207.46 -2,008.64 17,913.99	1,189.62
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	88,340.60 51,351.42 -2,139.64 19,104.34	1,377.45
26 11 16 11-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	93,199.22 54,116.33 -2,254.85 20,143.19	1,502.67
26 11 16 11-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	106,216.51 61,626.16 -2,567.76 22,946.88	1,753.12
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	117,620.94 68,168.29 -2,840.35 25,395.75	2,003.56
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	137,288.09 79,517.77 -3,313.24 29,632.36	2,379.23
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	166,738.73 96,887.62 -4,036.98 36,051.40	2,629.68
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	202,159.95 117,990.09 -4,916.25 43,814.01	2,754.90
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small>					
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	80,042.98 46,673.38 -1,944.72 17,338.97	1,127.01
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	82,724.99 48,207.46 -2,008.64 17,913.99	1,189.62
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	88,340.60 51,351.42 -2,139.64 19,104.34	1,377.45
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	93,199.22 54,116.33 -2,254.85 20,143.19	1,502.67
26 11 16 11-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	106,216.51 61,626.16 -2,567.76 22,946.88	1,753.12
26 11 16 11-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	102,755.86 59,249.24 -2,468.72 22,125.43	2,003.56
26 11 16 11-0090	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	106,749.44 61,194.58 -2,549.77 22,913.86	2,379.23
26 11 16 11-0091	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	131,750.18 75,894.49 -3,162.27 28,353.92	2,629.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	156,810.17 90,780.22 -3,782.51 33,837.06	2,754.90
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	175,607.56 101,908.39 -4,246.18 37,942.43	2,880.12
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	206,758.09 120,448.44 -5,018.69 44,765.50	3,005.34
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	254,425.40 148,898.56 -6,204.11 55,222.25	3,130.57

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0002	EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,299.19
26 12 13 00-0003	EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,390.86

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0006	EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	8,644.53	518.96
26 12 13 00-0007	EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	10,331.33	648.70
26 12 13 00-0008	EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	11,971.96	778.43
26 12 13 00-0009	EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	15,550.91	973.05
26 12 13 00-0010	EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	18,438.39	1,167.66
26 12 13 00-0011	EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	26,002.30	1,362.26
26 12 13 00-0012	EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	30,785.53	1,621.75

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0004)

26 12 13 00-0014	EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,644.53	518.96
26 12 13 00-0015	EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,540.21	648.70
26 12 13 00-0016	EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,971.96	778.43
26 12 13 00-0017	EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,550.91	973.05
26 12 13 00-0018	EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,438.39	1,167.66
26 12 13 00-0019	EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	23,855.30	1,362.26
26 12 13 00-0020	EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	29,695.25	1,621.75

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)

26 12 13 00-0022	EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,400.84	518.96
26 12 13 00-0023	EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,669.89	648.70
26 12 13 00-0024	EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,317.79	778.43
26 12 13 00-0025	EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,399.95	973.05
26 12 13 00-0026	EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	17,800.99	1,167.66
26 12 13 00-0027	EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	24,257.86	1,362.26
26 12 13 00-0028	EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	29,795.89	1,621.75

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0004)

26 12 13 00-0030	EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,532.26	518.96
26 12 13 00-0031	EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,836.12	648.70
26 12 13 00-0032	EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,373.10	778.43
26 12 13 00-0033	EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,119.78	973.05
26 12 13 00-0034	EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	20,849.97	1,167.66
26 12 13 00-0035	EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	28,767.08	1,362.26
26 12 13 00-0036	EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	37,075.26	1,621.75

26 12 13 00-0037 Transformer Platforms (26 12 13 00-0004)

26 12 13 00-0038	EA Transformer Platforms, 75 - 167 KVA.....	5,743.45	876.39
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26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN (26 12 13 00-0004)

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 12 Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0040 EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,563.99	518.96
26 12 13 00-0041 EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,772.90	648.70
26 12 13 00-0042 EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,374.34	778.43
26 12 13 00-0043 EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,118.25	973.05
26 12 13 00-0044 EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	20,979.17	1,232.52
26 12 13 00-0045 EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	28,770.88	1,362.26
26 12 13 00-0046 EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	37,075.26	1,621.75
26 12 13 00-0047 EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	49,693.23	2,075.83
26 12 13 00-0048 EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	63,463.10	2,789.39
26 12 13 00-0049 EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	74,372.06	3,243.48
26 12 13 00-0050 EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	95,145.79	3,502.97
26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)		
26 12 13 00-0052 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	8,644.53	635.46
26 12 13 00-0053 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	10,331.33	794.26
26 12 13 00-0054 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	11,971.43	952.16
26 12 13 00-0055 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	15,552.16	1,193.21
26 12 13 00-0056 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	18,437.18	1,429.34
26 12 13 00-0057 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	26,000.67	1,664.69
26 12 13 00-0058 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	30,785.53	1,985.79
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0004)		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,644.53	635.46
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,540.21	794.26
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,971.43	952.16
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,552.16	1,193.21
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,437.18	1,429.34
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	23,853.67	1,664.69
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	29,695.25	1,985.79
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0004)		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,813.69	518.96
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,085.90	648.70
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,308.88	778.43
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,234.49	973.05
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	15,389.47	1,167.66
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	24,872.74	1,362.26
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	28,561.93	1,621.75
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,259.85	518.96
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,389.64	648.70
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,992.39	778.43
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,601.53	973.05
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,519.15	1,167.66
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,707.93	1,362.26
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	25,397.13	1,621.75
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers (26 12 13)		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt (26 12 13 00-0084) Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	31,519.31	1,816.35
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	39,775.69	1,946.09
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	52,911.47	2,465.05
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	69,177.41	3,113.74
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	102,968.67	3,502.97
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	157,796.42	4,670.61
26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)		
26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer.....	519.67	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	2,309.66	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)		



Electrical	26	
Medium-Voltage Electrical Distribution	26 10	26
Medium-Voltage Transformers	26 12	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 12 19 00-0001		Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small>			
		Note: Designed for residential and multi-family buildings. UL listed.			
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small>			
		Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.			
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small>			
		Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.			
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,952.23		626.12
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	22,695.27		751.34
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,081.70		876.56
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	33,718.51		939.17
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	38,372.80		1,001.78
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	50,210.49		1,314.83
26 12 19 00-0010		Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>			
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	4,717.06		
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,956.33		
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	5,451.97		
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small>			
		Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.			
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small>			
		Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,675.81		626.12
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	29,904.46		626.12
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	32,020.13		857.78
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,225.50		857.78
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,198.99		1,127.01
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	54,149.24		1,127.01
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	88,182.30		1,565.29
26 12 19 00-0023		Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>			
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	6,289.42		
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,593.56		
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,956.33		
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	8,066.86		
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	2,153.44		
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,862.90		
26 12 19 00-0030		Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>			
		Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,993.83		626.12
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,688.08		626.12
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,716.92		857.78
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	38,391.64		857.78
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	49,029.69		1,127.01
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	60,928.59		1,127.13
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	77,387.16		1,565.29
26 12 19 00-0038		Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>			
		Note: Conventional type.			

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 12 Medium-Voltage Transformers



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 12 19 00-0039		13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>			
		Note: 2.5 Taps FCBN and FCAN.			
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,232.60		440.68
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,699.65		619.71
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,431.02		991.54
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	66,044.65		991.54
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	91,245.71		1,625.02
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	123,220.94		1,625.02
26 12 19 00-0046		Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>			
26 12 19 00-0047		7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>			
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,615.43		468.23
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,302.61		468.23
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,006.56		661.02
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,790.25		661.02
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,439.51		895.14
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,468.47		1,377.13
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	90,011.37		1,377.13
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	121,315.62		1,721.42
26 12 19 00-0056		7.2 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>			
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,615.43		468.23
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,303.25		468.23
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,006.56		661.02
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,790.25		661.02
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,439.51		895.14
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,267.93		1,211.88
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,468.47		1,211.88
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	90,011.37		1,528.63
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	121,315.62		1,721.42
26 12 19 00-0066		2.4 KV Primary, 277 Volt Secondary <small>(26 12 19 00-0046)</small>			
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,552.17		468.23
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,413.27		468.23
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,508.97		661.02
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	33,986.99		661.02
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	39,114.94		895.14
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	60,853.94		1,211.88
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	71,236.60		1,211.88
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	99,511.02		1,528.63
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	134,193.52		1,721.42
26 12 19 00-0076		2.4 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>			
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,615.43		468.23
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,302.61		468.23
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,006.56		899.41
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,790.25		1,211.88
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,439.51		895.14
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,076.97		1,211.88
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,455.81		1,211.88
26 12 19 00-0084		2.4 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>			
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,615.43		468.23
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,302.61		468.23
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,006.56		661.02
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,790.25		661.02
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,439.51		895.14
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,076.97		1,211.88
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,455.81		1,211.88
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>			
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,605.32		482.00
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,903.02		537.09
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,724.49		592.16
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,153.57		826.28
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	29,026.83		964.00
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	40,737.13		1,129.25
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,232.34		1,294.50
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	78,228.20		1,652.56
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	109,418.51		1,859.13



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Medium-Voltage Switchgear	26 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 13 Medium-Voltage Switchgear (26 10)

26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)

26 13 16 00-0001	"Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002	4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003	EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	16,301.57 3,385.51	1,432.22
26 13 16 00-0004	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	17,122.54 3,566.13	1,432.22
26 13 16 00-0005	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	23,365.84 4,898.88	1,824.70
26 13 16 00-0006	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	31,911.57 6,748.23	1,824.70
26 13 16 00-0007	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	45,841.62 9,776.18	2,203.42
26 13 16 00-0008	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	41,781.66 8,867.39	2,203.42
26 13 16 00-0009	7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	24,423.28 5,151.51	1,652.56
26 13 16 00-0011	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	29,969.51 6,303.80	2,065.70
26 13 16 00-0012	EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	42,224.98 8,951.25	2,478.84
26 13 16 00-0013	13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014	EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	23,521.29 4,934.88	1,652.56
26 13 16 00-0015	EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	32,445.48 6,858.59	1,652.56
26 13 16 00-0016	EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	47,501.02 10,125.65	2,203.42
26 13 16 00-0017	EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	29,584.72 6,202.61	2,203.42
26 13 16 00-0018	EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	43,084.49 9,133.07	2,754.27
26 13 16 00-0019	EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	60,412.41 12,903.58	2,754.27
26 13 16 00-0020	EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	41,451.10 8,762.21	2,754.27
26 13 16 00-0021	EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	57,600.40 12,275.38	2,754.27
26 13 16 00-0022	EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	74,761.38 16,013.27	2,754.27
26 13 16 00-0023	4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024	EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	7,272.94 1,473.54	902.02
26 13 16 00-0025	EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,498.62 1,963.19	902.02
26 13 16 00-0026	EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	10,266.20 2,091.20	1,198.11
26 13 16 00-0027	EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	12,721.70 2,591.46	1,480.42
26 13 16 00-0028	EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	17,226.30 3,582.48	1,480.42
26 13 16 00-0029	7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,220.28 1,884.37	1,377.13
26 13 16 00-0031	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	12,068.61 2,470.42	1,377.13

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 13	Medium-Voltage Switchgear



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0032	EA		3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,477.92 3,840.43	1,377.13
26 13 16 00-0033			13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034	EA		1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,491.96 1,925.12	1,170.57
26 13 16 00-0035	EA		1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,136.10 2,066.83	1,170.57
26 13 16 00-0036	EA		1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	14,558.65 2,999.53	1,445.99
26 13 16 00-0037	EA		2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,908.04 2,596.34	1,735.20
26 13 16 00-0038	EA		2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	15,943.49 3,264.13	1,735.20
26 13 16 00-0039	EA		2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,327.07 3,747.59	2,024.39
26 13 16 00-0040	EA		3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	17,102.69 3,438.01	2,313.59
26 13 16 00-0041	EA		3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	19,182.67 3,895.61	2,313.59
26 13 16 00-0042	EA		3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	23,672.85 4,842.88	2,589.02
26 13 16 00-0043			Accessories For Substation Secondary Distribution Sections <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044	EA		1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,571.65 523.63	872.69
26 13 16 00-0045	EA		2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,733.54 581.07	968.40
26 13 16 00-0046	EA		3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,498.84 699.05	1,165.05
26 13 16 00-0047	EA		3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	4,589.45	1,752.13
26 13 16 00-0048	EA		5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,836.07	111.88
26 13 16 00-0049	EA		5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,802.11	111.88
26 13 16 00-0050	EA		5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	14,304.49	111.88
26 13 16 00-0051	EA		15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	11,237.29	111.88
26 13 16 00-0052	EA		15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	12,269.34	111.88
26 13 16 00-0053	EA		15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	16,708.56	111.88
26 13 16 00-0054	EA		6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,632.51	111.88
26 13 16 00-0055	EA		9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,978.08	111.88
26 13 16 00-0056	EA		15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	4,534.10	111.88
26 13 16 00-0057	EA		Overcurrent Phase Protection, Time And Instantaneous Device 67..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,894.96 67.13	111.88
26 13 16 00-0058	EA		AC Ammeter With Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,120.39 67.13	111.88
26 13 16 00-0059	EA		AC Voltmeter With Switch And Potential Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,120.39 67.13	111.88
26 13 16 00-0060	EA		Indicating Wattmeter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,665.84 67.13	111.88
26 13 16 00-0061	EA		Indicating Varmeter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,968.45 67.13	111.88
26 13 16 00-0062	EA		Indicating Watt-hour Meter, 2 Element..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,228.74 67.13	111.88
26 13 16 00-0063	EA		Ground Protection, Time Or Instantaneous Device 67N..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,749.36 67.13	111.88
26 13 16 00-0064	EA		Differential Generator Protection Single Phase NEMA Device 87.....	5,516.65	111.88
26 13 16 00-0065	EA		Current Transformers 5 And 15 KV Single Secondary.....	753.34	111.88
26 13 16 00-0066	EA		Potential Transformers 5 KV And 15 KV With Primary Fuses.....	3,674.84	111.88
26 13 19			Medium-Voltage Vacuum Interrupter Switchgear <small>(26 13)</small>		
26 13 19 00-0001			Vacuum Circuit Breakers 13.8 KV <small>(26 13 19)</small>		
26 13 19 00-0002	EA		1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	59,455.47	1,721.42
26 13 19 00-0003	EA		1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	65,643.08	2,175.88
26 13 19 00-0004	EA		1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	74,521.14	2,175.88
26 13 19 00-0005	EA		2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,169.96	1,721.42
26 13 19 00-0006	EA		2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	76,716.04	1,721.42
26 13 19 00-0007	EA		2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	87,435.90	2,024.39
26 13 19 00-0008	EA		3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	90,186.98	2,313.59
26 13 19 00-0009	EA		3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	98,776.47	2,313.59
26 13 19 00-0010	EA		3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	107,920.37	2,602.79
26 13 29			Medium-Voltage Compartmentalized Switchgear <small>(26 13)</small>		
26 13 29 00-0001			Substation Secondary Distribution Section <small>(26 13 29)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002			Switchgear Compartment Complete With Air Circuit Breaker <small>(26 13 29 00-0001)</small> Note: With solid state long - time and instantaneous trips.		



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Medium-Voltage Switchgear	26 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0003 EA 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	18,906.23	1,089.96
26 13 29 00-0004 EA 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	29,788.34	1,647.92
26 13 29 00-0005 EA 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	40,325.50	2,024.22
26 13 29 00-0006 EA 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	67,187.49	2,348.61
26 13 29 00-0007 EA 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	86,415.07	2,673.01
26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)		
26 13 29 00-0009 EA 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,365.68	330.88
26 13 29 00-0010 EA 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,666.74	330.88
26 13 29 00-0011 EA 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,647.71	486.59
26 13 29 00-0012 EA 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	18,112.19	486.59
26 13 29 00-0013 EA 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	30,275.81	713.67
26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)		
Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	9,125.93	369.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.46	
26 13 29 00-0016 EA 3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	11,485.70	369.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	248.23	
26 13 29 00-0017 EA 4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	14,857.89	570.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	356.84	
26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section.....	5,144.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.13	
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section.....	3,962.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.13	
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	12,948.50	111.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.13	
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	12,948.50	111.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.13	
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	17,185.12	111.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.13	
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	22,313.66	111.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.13	
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	9,538.50	127.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.53	
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	26,627.18	1,889.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,133.75	
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	5,768.54	111.88
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	6,806.64	111.88
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	3,642.40	55.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.56	
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	28,073.98	111.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.13	
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	3,464.01	55.94
26 18 Medium-Voltage Circuit Protection Devices (26 10)		
26 18 36 Medium-Voltage Enclosed Fuses (26 18)		
26 18 36 00-0001 Sectionalizing Switch (26 18 36)		
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001)		
Note: 15 KV - 25 KV.		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002)		
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	85,207.56	939.17
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	95,878.77	939.17
26 19 High-Voltage Circuit Protection (26 10)		
26 19 18 Protection Devices (26 19)		
26 19 18 00-0001 Primary Fuse Cutouts (26 19 18)		
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001)		
Note: Includes the fuse and cut-out switch.		
26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0004 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	768.58	344.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.26	
26 19 18 00-0005 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	906.29	344.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.57	
26 19 18 00-0006 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	1,043.54	344.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	247.75	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 19 High-Voltage Circuit Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0007	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,064.33 247.89	344.29
26 19 18 00-0008	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,064.33 247.89	344.29
26 19 18 00-0009			17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0010	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	768.58 165.26	275.43
26 19 18 00-0011			17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0012	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	796.05 165.26	275.43
26 19 18 00-0013			Fuseholders <small>(26 19 18 00-0002)</small> Note: Including current limiting fuse.		
26 19 18 00-0014	EA		15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	652.86 165.26	344.29
26 19 18 00-0015	EA		25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	790.57 206.57	344.29
26 19 18 00-0016	EA		40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	927.82 247.75	344.29
26 19 18 00-0017	EA		100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.36 165.26	344.29
26 19 18 00-0018	EA		200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	800.07 206.57	344.29
26 19 18 00-0019	EA		15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	652.86 165.26	275.43
26 19 18 00-0020			Accessories <small>(26 19 18 00-0002)</small>		
26 19 18 00-0021	EA		Hot Line Clamp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.19 20.66	30.98
26 19 18 00-0022	EA		Stirrup	105.91	30.98
26 19 18 00-0023			Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 19 18 00-0001)</small> Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024			8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0025	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	982.39 165.26	344.29
26 19 18 00-0026	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,120.10 206.57	344.29
26 19 18 00-0027	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,257.35 247.75	344.29
26 19 18 00-0028	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,298.06 247.89	344.29
26 19 18 00-0029	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,298.06 247.89	344.29
26 19 18 00-0030			17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0031	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	982.39 165.26	275.43
26 19 18 00-0032			17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0033	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	982.39 165.26	275.43
26 19 18 00-0034			Fuseholders <small>(26 19 18 00-0023)</small> Note: Includes current limiting fuses.		
26 19 18 00-0035	EA		15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.66 165.26	344.29
26 19 18 00-0036	EA		25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	800.37 206.57	344.29
26 19 18 00-0037	EA		40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	937.62 247.75	344.29
26 19 18 00-0038	EA		15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.66 165.26	344.29
26 19 18 00-0039			Pole Mounted Capacitors <small>(26 19 18 00-0023)</small>		
26 19 18 00-0040	EA		Capacitors - Pole Mounted 6 KVAR.....	1,773.87	277.63
26 19 80			Transmission and Distribution Accessories <small>(26 19)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 19 80 60 Structure Assemblies (26 19 80)

26 19 80 60-0001 Pole Structure Assemblies (26 19 80 60)

26 19 80 60-0002 5 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	562.83	261.66
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	940.51	440.68
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,073.54	344.29
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	613.61	179.03
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	778.21	247.89
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,360.28	495.77
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,067.53	371.82
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,950.09	743.66
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,216.46	840.05
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,211.23	413.14
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,026.82	440.68
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,927.66	895.14
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,471.56	537.09
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	918.08	385.59
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,725.08	784.97
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,358.03	399.37

26 19 80 60-0019 15 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	590.29	261.66
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	979.74	440.68
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,206.92	344.29
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	660.68	179.03
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	844.90	234.11
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,493.66	495.77
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,165.61	371.82
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,150.16	743.66
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,487.14	840.05
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,344.61	413.14
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,077.81	440.68
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,978.65	895.14
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,573.56	537.09
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	969.07	371.82
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,776.07	784.97
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,460.03	482.00

26 19 80 60-0036 25 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,811.44	413.14
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,110.26	206.57
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,609.69	316.74
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,111.53	647.25
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,016.80	482.00
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,250.31	950.22
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,095.49	1,074.16
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,174.30	626.59
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,891.88	626.59

26 19 80 60-0046 50 KV Pole Structure Assemblies (26 19 80 60-0001)

Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.

26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,433.55	564.63
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,324.78	289.20
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,675.22	454.45
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,146.45	922.68
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,412.80	688.57
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,633.38	1,377.13
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	5,484.70	1,528.63
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,797.45	743.66
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,815.93	860.71
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,714.67	812.51

26 19 80 60-0057 Overhead To Underground Conversion Structures (26 19 80 60)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

26 19 80 60-0058 5 KV Structures (26 19 80 60-0057)

Note: Excludes pole.

26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,791.85	2,754.27
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,791.85	2,754.27
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,791.85	2,754.27
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,791.85	2,754.27

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 19	High-Voltage Circuit Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 19 80 60-0063	15 KV Structures <small>(26 19 80 60-0057)</small>		
	Note: Excludes pole.		
26 19 80 60-0064	EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,976.44	2,754.27
26 19 80 60-0065	EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,976.44	2,754.27
26 19 80 60-0066	EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,976.44	2,754.27
26 19 80 60-0067	EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,976.44	2,754.27
26 19 80 60-0068	25 KV Structures <small>(26 19 80 60-0057)</small>		
	Note: Excludes pole.		
26 19 80 60-0069	EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,177.80	2,754.27
26 19 80 60-0070	EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,177.80	2,754.27
26 19 80 60-0071	EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,177.80	2,754.27
26 19 80 60-0072	EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,177.80	2,754.27
26 19 80 60-0073	Transformer Stations <small>(26 19 80 60)</small>		
	Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074	5 KV Station <small>(26 19 80 60-0073)</small>		
26 19 80 60-0075	EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,347.08	3,671.45
26 19 80 60-0076	EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	10,476.56	4,131.40
26 19 80 60-0077	EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	11,606.03	4,590.00
26 19 80 60-0078	EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	11,606.03	4,590.00
26 19 80 60-0079	EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,347.08	3,671.45
26 19 80 60-0080	15 KV Stations <small>(26 19 80 60-0073)</small>		
26 19 80 60-0081	EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	9,632.37	3,670.41
26 19 80 60-0082	EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	10,761.86	4,131.40
26 19 80 60-0083	EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	11,891.33	4,590.00
26 19 80 60-0084	EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	11,891.33	4,590.00
26 19 80 60-0085	EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	9,632.37	3,671.45
26 19 80 60-0086	25 KV Stations <small>(26 19 80 60-0073)</small>		
26 19 80 60-0087	EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	9,943.61	3,671.45
26 19 80 60-0088	EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	11,073.09	4,131.40
26 19 80 60-0089	EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	12,202.56	4,590.00
26 19 80 60-0090	EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	12,202.56	4,590.00
26 19 80 60-0091	EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	9,943.61	3,671.45

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001	Service Drop Cable And Weatherheads <small>(26 21 13)</small>		
26 21 13 00-0002	600 Volt Insulated Stranded Conductors <small>(26 21 13 00-0001)</small>		
26 21 13 00-0003	Aluminum Duplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.50	3.27
26 21 13 00-0005	LF #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.69	3.88
26 21 13 00-0006	LF #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.40	4.38
26 21 13 00-0007	LF 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.19	5.51
26 21 13 00-0008	Aluminum Triplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009	LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.99	3.88
26 21 13 00-0010	LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.01	4.38
26 21 13 00-0011	LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.91	5.51
26 21 13 00-0012	LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.09	6.72
26 21 13 00-0013	LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	29.73	8.89
26 21 13 00-0014	LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	38.92	11.02
26 21 13 00-0015	LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	57.02	13.12
26 21 13 00-0016	Aluminum Quadruplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017	LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.08	4.38
26 21 13 00-0018	LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.90	5.51
26 21 13 00-0019	LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.29	7.06
26 21 13 00-0020	LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	31.53	8.89
26 21 13 00-0021	LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	35.28	9.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0022 LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	41.92	11.02
26 21 13 00-0023 LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	48.82	13.12
26 21 13 00-0024 LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	66.93	14.49
26 21 13 00-0025 Weatherproof Conduit Hubs <small>(26 21 13 00-0002)</small>		
26 21 13 00-0026 EA 1/2" Weatherproof Conduit Hubs	56.75	21.55
26 21 13 00-0027 EA 3/4" Weatherproof Conduit Hubs	64.74	24.49
26 21 13 00-0028 EA 1" Weatherproof Conduit Hubs	75.18	27.43
26 21 13 00-0029 EA 1-1/4" Weatherproof Conduit Hubs	104.83	36.73
26 21 13 00-0030 EA 1-1/2" Weatherproof Conduit Hubs	115.28	39.67
26 21 13 00-0031 EA 2" Weatherproof Conduit Hubs	148.85	46.04
26 21 13 00-0032 EA 2-1/2" Weatherproof Conduit Hubs	195.34	51.92
26 21 13 00-0033 EA 3" Weatherproof Conduit Hubs	252.17	61.22
26 21 13 00-0034 EA 4" Weatherproof Conduit Hubs	446.87	122.44
26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036 EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	62.88	21.55
26 21 13 00-0037 EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	72.07	24.49
26 21 13 00-0038 EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	82.42	27.43
26 21 13 00-0039 EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	110.73	36.73
26 21 13 00-0040 EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	124.93	39.67
26 21 13 00-0041 EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	163.20	46.04
26 21 13 00-0042 EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	270.58	51.92
26 21 13 00-0043 EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	308.33	61.22
26 21 13 00-0044 EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	510.37	122.44
26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum <small>(26 21 13 00-0002)</small>		
26 21 13 00-0046 EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	60.91	21.55
26 21 13 00-0047 EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	68.77	24.49
26 21 13 00-0048 EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	77.96	27.31
26 21 13 00-0049 EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	103.67	36.73
26 21 13 00-0050 EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	115.39	39.67
26 21 13 00-0051 EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	135.95	46.04
26 21 13 00-0052 EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	219.45	51.92
26 21 13 00-0053 EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	282.62	61.22
26 21 13 00-0054 EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	398.77	91.83
26 21 13 00-0055 EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	479.77	122.44
26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) <small>(26 21 13 00-0002)</small>		
26 21 13 00-0057 EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	59.21	21.55
26 21 13 00-0058 EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	67.75	24.49
26 21 13 00-0059 EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	76.97	27.31
26 21 13 00-0060 EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	102.52	36.73
26 21 13 00-0061 EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	111.69	39.67
26 21 13 00-0062 EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	137.21	46.04
26 21 13 00-0063 EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	231.59	51.92
26 21 13 00-0064 EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	259.24	61.22
26 21 13 00-0065 EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	446.63	91.83
26 21 13 00-0066 EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	619.00	122.44
26 21 16 Low-Voltage Underground Electrical Service Entrance <small>(26 21)</small>		
26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial <small>(26 21 16)</small>		
<small>Note: Excludes excavation and backfill.</small>		
26 21 16 00-0002 MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,798.49	1,224.14
26 21 16 00-0003 MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,879.71	1,296.16
26 21 16 00-0004 MLF #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,489.57	1,377.13
26 21 16 00-0005 MLF 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,652.16	1,377.13
26 21 16 00-0006 MLF 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	12,005.19	1,468.99
26 21 16 00-0007 MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	14,379.11	1,694.98
26 21 16 00-0008 MLF 4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	17,334.88	2,203.42
26 22 Low-Voltage Transformers <small>(26 20)</small>		
26 22 13 Low-Voltage Distribution Transformers <small>(26 22)</small>		
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers <small>(26 22 13)</small>		
<small>Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.</small>		
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
<small>Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.</small>		
26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,628.96	314.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,277.26	377.12
26 22	13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,963.73	393.45
26 22	13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,656.46	408.54
26 22	13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	5,330.58	439.96
26 22	13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,406.36	471.40
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	273.18	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	409.77	
26 22	13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,036.04	502.82
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	301.52	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	452.28	
26 22	13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,752.90	565.67
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	281.08	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	421.62	
26 22	13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	8,097.43	628.53
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	342.02	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	513.03	
26 22	13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	10,780.68	754.23
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	463.61	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	695.42	
26 22	13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	13,752.11	879.94
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	599.61	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	899.42	
26 22	13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	22,154.08	1,131.35
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	994.57	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,491.86	
26 22	13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	40,501.43	1,382.76
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,886.80	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,830.19	
26 22	13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	64,023.95	1,571.31
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,044.07	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	4,566.10	
26 22	13 00-0017		240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
			Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22	13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,811.68	377.12
26 22	13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,217.67	392.82
26 22	13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,822.49	408.54
26 22	13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,369.46	439.96
26 22	13 00-0022		240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
			Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22	13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	6,679.53	471.40
26 22	13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	7,337.56	502.82
26 22	13 00-0025		1 Phase Mounting Brackets <small>(26 22 13 00-0001)</small>		
26 22	13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	621.41	223.77
26 22	13 00-0027		1 Phase Weathershields <small>(26 22 13 00-0001)</small>		
			Note: Use with types DT-3 and DS-3.		
26 22	13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	196.81	
26 22	13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	250.87	
26 22	13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	299.16	
26 22	13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	356.89	
26 22	13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	482.85	
26 22	13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	577.32	
26 22	13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	708.53	
26 22	13 00-0035		Packaged Power Supply <small>(26 22 13 00-0001)</small>		
			Note: 2-5 Percent FCBN taps.		
26 22	13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	3,679.14	392.82
26 22	13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	4,200.40	408.54
26 22	13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	4,555.02	439.96
26 22	13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	5,712.62	471.40
26 22	13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	8,120.25	502.82
26 22	13 00-0041		240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22	13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,743.75	282.83
26 22	13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	4,013.74	314.26
26 22	13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	4,664.28	377.12
26 22	13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	5,194.30	392.82
26 22	13 00-0046	EA	7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	5,908.02	408.54
26 22	13 00-0047	EA	10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	7,755.33	439.96
26 22	13 00-0048	EA	15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	10,221.93	471.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	12,753.46	471.40
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	13,207.79	502.82
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	13,703.75	534.24
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	18,296.56	565.67
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	18,998.89	597.10
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	25,592.12	628.53
26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13)</small>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057 Packaged Power Supply <small>(26 22 13 00-0056)</small>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	16,571.76	1,351.32
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		693.46
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,040.18
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	20,078.01	1,445.60
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		859.34
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,289.01
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	24,230.58	1,571.31
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		1,054.40
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,581.60
26 22 13 00-0061 Drive Isolation Transformers <small>(26 22 13 00-0056)</small>		
Note: Only use in step-up applications.		
26 22 13 00-0062 230 Volt Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,045.39	502.82
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,798.97	534.24
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,199.97	565.67
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,458.50	597.10
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,931.38	659.95
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,418.67	722.80
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,591.29	785.65
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	21,660.84	879.94
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,477.54	911.36
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	27,196.87	942.78
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	34,396.85	974.21
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	38,529.36	1,194.19
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	43,041.93	1,257.05
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	49,412.06	1,319.90
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	60,307.21	1,571.31
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	80,097.57	1,854.14
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	84,469.30	2,042.71
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	103,065.42	2,262.68
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	127,454.82	2,514.09
26 22 13 00-0082 208V Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0083 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,505.51	502.82
26 22 13 00-0084 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,345.15	534.24
26 22 13 00-0085 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,763.37	565.67
26 22 13 00-0086 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,133.66	597.10
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,624.20	659.95
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,117.96	691.37
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,520.46	817.08
26 22 13 00-0090 EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	22,673.80	879.94
26 22 13 00-0091 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,579.78	911.36
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	28,485.22	942.78
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	36,048.48	974.21
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	40,368.94	1,194.19
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	45,104.80	1,257.05
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	51,792.77	1,319.90
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	63,216.89	1,571.31
26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,927.28	518.53
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,213.43	565.67
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		404.10
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		606.16
26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0102	EA	30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,260.71	691.37
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	443.90	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	665.85	
			<i>For K4 Factor Rating, Add</i>	6,214.57	
			<i>For K13 Factor Rating, Add</i>	8,877.95	
			<i>For K20 Factor Rating, Add</i>	11,541.34	
26 22	13 00-0103	EA	37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,482.09	754.23
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	548.68	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	823.02	
			<i>For K4 Factor Rating, Add</i>	7,681.55	
			<i>For K13 Factor Rating, Add</i>	10,973.64	
			<i>For K20 Factor Rating, Add</i>	14,265.73	
26 22	13 00-0104	EA	45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	13,016.61	817.08
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	569.12	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	853.68	
			<i>For K4 Factor Rating, Add</i>	7,967.72	
			<i>For K13 Factor Rating, Add</i>	11,382.45	
			<i>For K20 Factor Rating, Add</i>	14,797.19	
26 22	13 00-0105	EA	50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,317.15	879.94
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	777.86	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,166.80	
			<i>For K4 Factor Rating, Add</i>	10,890.10	
			<i>For K13 Factor Rating, Add</i>	15,557.29	
			<i>For K20 Factor Rating, Add</i>	20,224.48	
26 22	13 00-0106	EA	75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	16,989.35	942.78
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	755.19	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,132.78	
			<i>For K4 Factor Rating, Add</i>	10,572.65	
			<i>For K13 Factor Rating, Add</i>	15,103.78	
			<i>For K20 Factor Rating, Add</i>	19,634.91	
26 22	13 00-0107	EA	112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	21,197.03	1,131.35
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	946.72	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,420.08	
			<i>For K4 Factor Rating, Add</i>	13,254.05	
			<i>For K13 Factor Rating, Add</i>	18,934.35	
			<i>For K20 Factor Rating, Add</i>	24,614.66	
26 22	13 00-0108	EA	150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	27,765.95	1,257.05
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,262.59	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,893.89	
			<i>For K4 Factor Rating, Add</i>	17,676.30	
			<i>For K13 Factor Rating, Add</i>	25,251.86	
			<i>For K20 Factor Rating, Add</i>	32,827.42	
26 22	13 00-0109	EA	225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	38,032.79	1,571.31
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,744.51	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,616.76	
			<i>For K4 Factor Rating, Add</i>	24,423.12	
			<i>For K13 Factor Rating, Add</i>	34,890.17	
			<i>For K20 Factor Rating, Add</i>	45,357.22	
26 22	13 00-0110	EA	300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	46,320.71	1,948.43
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,121.19	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,181.79	
			<i>For K4 Factor Rating, Add</i>	29,696.70	
			<i>For K13 Factor Rating, Add</i>	42,423.86	
			<i>For K20 Factor Rating, Add</i>	55,151.02	
26 22	13 00-0111	EA	500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	66,899.64	2,388.39
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,106.14	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	4,659.21	
			<i>For K4 Factor Rating, Add</i>	43,486.00	
			<i>For K13 Factor Rating, Add</i>	62,122.86	
			<i>For K20 Factor Rating, Add</i>	80,759.72	
26 22	13 00-0112	EA	750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	157,314.30	2,880.12
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	7,576.59	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	11,364.89	
			<i>For K4 Factor Rating, Add</i>	106,072.32	
			<i>For K13 Factor Rating, Add</i>	151,531.88	
			<i>For K20 Factor Rating, Add</i>	196,991.44	
26 22	13 00-0113	EA	1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	208,030.26	3,142.62
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	10,087.25	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	15,130.88	
			<i>For K4 Factor Rating, Add</i>	141,221.51	
			<i>For K13 Factor Rating, Add</i>	201,745.02	
			<i>For K20 Factor Rating, Add</i>	262,268.53	
26 22	13 00-0114		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN		
			Taps <small>(26 22 13 00-0056)</small>		
26 22	13 00-0115	EA	6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,565.00	487.10
			<i>For K4 Factor Rating, Add</i>	3,213.55	
			<i>For K13 Factor Rating, Add</i>	4,590.79	
			<i>For K20 Factor Rating, Add</i>	5,968.03	
26 22	13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	6,927.28	518.53
			<i>For K4 Factor Rating, Add</i>	4,123.15	
			<i>For K13 Factor Rating, Add</i>	5,890.21	
			<i>For K20 Factor Rating, Add</i>	7,657.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	9,213.43 404.10 606.16 5,657.46 8,082.08 10,506.70	565.67
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	18,282.31 844.98 1,267.47 11,829.69 16,899.55 21,969.42	691.37
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	20,439.99 940.29 1,410.44 13,164.08 18,805.83 24,447.58	817.08
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	30,487.00 1,430.07 2,145.11 20,021.00 28,601.43 37,181.86	942.78
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	38,339.32 1,803.83 2,705.75 25,253.65 36,076.64 46,899.63	1,131.35
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	46,308.69 2,189.73 3,284.60 30,656.22 43,794.60 56,932.98	1,257.05
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	59,410.18 2,813.38 4,220.07 39,387.29 56,267.56 73,147.83	1,571.31
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	72,187.58 3,414.54 5,121.80 47,803.51 68,290.73 88,777.95	1,948.43
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	116,940.64 5,608.19 8,412.29 78,514.70 112,163.86 145,813.02	2,388.39
26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small>		
<small>Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.</small>		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,563.72	565.67
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,156.04	691.37
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,561.81	817.08
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	25,125.12	942.78
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	38,110.85	1,131.35
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	46,508.60	1,257.05
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	53,948.35	1,571.31
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	86,388.34	1,948.43
26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small>		
<small>Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.</small>		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,055.91	565.67
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,512.12	691.37
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,145.92	817.08
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	29,765.90	942.78
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	45,279.06	1,131.35
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	55,311.79	1,257.05
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	64,108.07	1,571.31
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	102,888.06	1,948.43



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> <small>Note: Two taps at 2.5%, four at -2.5%.</small>		
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,546.65	563.50
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,326.67	688.73
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,211.55	813.94
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,956.20	939.17
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,271.89	1,127.01
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,494.20	1,252.23
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,214.07	1,565.29
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	21,347.00	1,940.95
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,274.65	563.50
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,208.50	688.73
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,286.89	813.94
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,479.80	939.17
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,844.49	1,127.01
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,191.13	1,252.23
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,839.36	1,565.29
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	26,586.53	1,940.95
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,999.71	563.50
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,092.78	688.73
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,362.24	813.94
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,000.96	939.17
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,828.60	1,127.01
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,888.05	1,252.23
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,464.66	1,565.29
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	31,826.06	1,940.95
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> <small>Note: Two taps at 2.5%, four at -2.5%.</small>		
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,757.20	563.50
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,798.84	688.73
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,002.15	813.94
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,493.90	939.17
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,857.99	1,127.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,082.16	1,252.23
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,379.52	1,565.29
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	30,260.81	1,940.95
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,482.26	563.50
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,683.12	688.73
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,077.50	813.94
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,017.52	939.17
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,718.44	1,127.01
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,044.89	1,252.23
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,856.66	1,565.29
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	39,933.98	1,940.95
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,209.77	563.50
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,567.39	688.73
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,152.83	813.94
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,538.66	939.17
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,819.55	1,127.01
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,544.67	1,252.23
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,331.34	1,565.29
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	47,659.78	1,940.95
26 22 13 00-0203 3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,963.40	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,334.22	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,334.22	
26 22 13 00-0207 Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,495.65	223.77
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211 Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,597.68	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	585.02	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,340.09	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	6,741.93	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	825.91	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	653.85	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA	8,432.31	2,292.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,528.27	
26 22 13 00-0220 EA Containment Area For 112.5 KVA	8,432.31	2,292.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,528.27	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0221 EA Containment Area For 150 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,432.31 1,528.27	2,292.36
26 22 13 00-0222 EA Containment Area For 225 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,432.31 1,528.27	2,292.36
26 22 13 00-0223 EA Containment Area For 300 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,424.07 1,525.80	2,292.36
26 22 13 00-0224 EA Containment Area For 500 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,424.07 1,525.80	2,292.36
26 22 13 00-0225 EA Containment Area For 750 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,520.43 1,525.80	2,292.36
26 22 13 00-0226 EA Containment Area For 1,000 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,917.60 1,525.80	2,292.36
26 22 13 00-0227 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	21,301.28	1,502.67
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	23,366.06	1,502.67
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	24,742.58	1,502.67
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	28,872.15	1,502.67
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	30,569.47	2,254.01
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	31,945.99	2,254.01
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	48,464.26	2,254.01
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	61,873.88	3,005.34
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	79,768.67	3,005.34
26 22 13 00-0237 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	21,989.54	1,502.67
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	24,742.58	1,502.67
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	25,430.84	1,502.67
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	26,119.10	1,502.67
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	30,569.47	2,254.01
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	33,322.51	2,254.01
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	48,464.26	2,254.01
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	62,562.14	3,005.34
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	79,768.67	3,005.34
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	76,023.48	1,997.98
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	82,801.13	2,358.66
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	92,651.28	2,882.81
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	110,614.37	3,243.48
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	136,791.92	3,414.09
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	164,213.77	4,988.48
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	193,630.73	5,643.66
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	243,150.31	6,486.96
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	269,567.35	6,811.32
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	283,725.98	7,590.01
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	327,033.82	8,108.96
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	139,793.54	5,580.55
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	172,597.71	6,417.67
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	196,951.87	6,755.39
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	208,705.21	7,550.18
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	234,867.64	7,778.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0265	Silicone Filled Distribution Transformers, 3 Phase <small>(26 22 13 00-0209)</small>		
	Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266	EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	132,954.15	2,358.66
26 22 13 00-0267	EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	142,198.47	2,882.81
26 22 13 00-0268	EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	166,797.68	3,243.48
26 22 13 00-0269	EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	202,929.42	3,414.09
26 22 13 00-0270	EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	241,871.27	4,988.48
26 22 13 00-0271	EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	308,718.92	5,643.66
26 22 13 00-0272	EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	376,096.36	6,486.96
26 22 13 00-0273	EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	431,169.33	6,811.32

26 22 13 00-0274	Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0275	EA Single Phase Foam Core Poly Pads.....	504.13	42.14
	Note: Excludes site prep.		

26 24 Switchboards and Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001	Fusible Switch Type 240 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0002	Incoming Service Section Main Device Only <small>(26 24 13 00-0001)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,351.58	1,071.03
26 24 13 00-0004	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,819.28	1,132.86
26 24 13 00-0005	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,811.55	1,285.06
26 24 13 00-0006	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,415.02	1,377.62
26 24 13 00-0007	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,540.38	1,468.85
26 24 13 00-0008	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,102.89	1,561.79
26 24 13 00-0009	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,280.01	1,071.03
26 24 13 00-0010	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,775.97	1,132.86
26 24 13 00-0011	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,459.38	1,286.16
26 24 13 00-0012	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,959.28	1,377.62
26 24 13 00-0013	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,540.38	1,470.32
26 24 13 00-0014	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,102.89	1,561.79
26 24 13 00-0015	EA 2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,163.77	1,632.80
26 24 13 00-0016	EA 3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,595.39	1,749.25
26 24 13 00-0017	EA 4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	24,320.39	1,885.65
26 24 13 00-0018	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,942.75	948.94
26 24 13 00-0019	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,253.06	1,010.30
26 24 13 00-0020	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,725.81	1,162.98
26 24 13 00-0021	EA 1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,018.92	1,211.84
26 24 13 00-0022	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,281.25	1,255.55
26 24 13 00-0023	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,692.72	1,346.16
26 24 13 00-0024	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,074.29	1,438.48

26 24 13 00-0025	Branch Breaker Units <small>(26 24 13 00-0001)</small>		
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA 15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	376.02	37.34
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41	
26 24 13 00-0027	EA 70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	550.70	58.77
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.27	
26 24 13 00-0028	EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,481.69	107.14
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.28	
26 24 13 00-0029	EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,633.23	139.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.75	
26 24 13 00-0030	EA 300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,685.58	342.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.67	
26 24 13 00-0031	EA 400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	7,512.33	342.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.67	
26 24 13 00-0032	EA 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	12,176.81	611.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	366.60	

26 24 13 00-0033	Fusible Switch Type 480 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0034	Incoming Service Section Main Device Only <small>(26 24 13 00-0033)</small>		
	Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,163.18	1,389.75
26 24 13 00-0036	EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,888.43	1,389.75
26 24 13 00-0037	EA 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	10,237.24	1,806.06
26 24 13 00-0038	EA 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	11,606.72	1,806.06



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 13 00-0039	Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire ^(26 24 13)			
26 24 13 00-0040	Incoming Service Section Main Device Only ^(26 24 13 00-0039)			
	Note: Copper bus, non-metering type, with fuses.			
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,916.61	948.94
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,363.29	1,010.30
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,704.61	1,162.98
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,285.02	1,254.57
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,797.97	948.94
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,069.51	1,010.30
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,535.12	1,162.98
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,277.49	1,254.57
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	14,416.88	1,408.11
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,733.85	826.38
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,065.61	887.84
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,598.87	1,040.54
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,875.53	1,089.40
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,143.41	1,132.86
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,497.13	1,211.84
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,843.28	1,285.06
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,012.31	1,591.78
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,731.49	1,744.84
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,929.29	1,882.59

26 24 13 00-0060	Branch Breaker Units ^(26 24 13 00-0039)			
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.			
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	201.61	32.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.47	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	320.18	53.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.33	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	979.23	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.18	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,820.59	96.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.04	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,439.37	235.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.41	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,315.08	235.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.41	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,410.43	449.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.02	

26 24 13 00-0068	Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire ^(26 24 13)			
26 24 13 00-0069	Incoming Service Section Main Device Only ^(26 24 13 00-0068)			
	Note: Copper bus, non-metering type, with fuses.			
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,353.07	1,071.03
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,817.61	1,132.86
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,809.39	1,285.06
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,512.54	1,377.62
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,534.73	1,468.85
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,102.89	1,561.79
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,281.50	1,071.03
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,774.30	1,132.86
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,459.38	1,286.16
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,956.80	1,377.62
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,537.56	1,470.32
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,102.89	1,561.79
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,089.87	948.94
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,457.45	1,010.30
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,032.29	1,162.98
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,340.82	1,211.84
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,639.23	1,255.55
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,036.92	1,346.16
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,440.08	1,438.48
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,461.83	1,634.64
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,152.94	1,749.12
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,455.96	1,879.53

26 24 13 00-0092	Branch Breaker Units ^(26 24 13 00-0068)			
	Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.			
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	376.02	37.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	550.70	58.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.27	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,481.69	107.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0096 EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker.....	2,633.23	139.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.75	
26 24 13 00-0097 EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker.....	4,685.58	342.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.67	
26 24 13 00-0098 EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker.....	7,512.33	342.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.67	
26 24 13 00-0099 EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker.....	12,176.81	611.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	366.60	
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,638.30	1,468.85
26 24 13 00-0103 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,191.39	1,561.79
26 24 13 00-0104 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,832.99	1,743.25
26 24 13 00-0105 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,657.75	1,866.55
26 24 13 00-0106 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,214.57	1,468.85
26 24 13 00-0107 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,724.35	1,561.79
26 24 13 00-0108 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,019.65	1,745.21
26 24 13 00-0109 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,934.59	1,866.55
26 24 13 00-0110 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,577.65	1,990.34
26 24 13 00-0111 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,207.37	2,114.01
26 24 13 00-0112 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,089.87	948.94
26 24 13 00-0113 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,457.45	1,010.30
26 24 13 00-0114 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,032.29	1,162.98
26 24 13 00-0115 EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,340.82	1,211.84
26 24 13 00-0116 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,639.23	1,255.55
26 24 13 00-0117 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,036.92	1,346.16
26 24 13 00-0118 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,440.08	1,438.48
26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 To 60 Amperes, 480/277 Volt, MC Branch Breaker.....	780.92	37.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41	
26 24 13 00-0121 EA 70 To 100 Amperes, 480/277 Volt, MC Branch Breaker.....	899.10	58.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.27	
26 24 13 00-0122 EA 125 To 225 Amperes, 480/277 Volt, MC Branch Breaker.....	1,630.47	107.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.28	
26 24 13 00-0123 EA 100 To 400 Amperes, 480/277 Volt, MC Branch Breaker.....	2,633.23	139.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.75	
26 24 13 00-0124 EA 300 To 600 Amperes, 480/277 Volt, MC Branch Breaker.....	6,308.94	342.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.67	
26 24 13 00-0125 EA 400 To 800 Amperes, 480/277 Volt, MC Branch Breaker.....	6,453.95	342.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.67	
26 24 13 00-0126 EA 600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker.....	10,351.95	611.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	366.60	
26 24 13 00-0127 Fusible Branch Circuit Switch (26 24 13)		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0129 EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	800.85	96.12
<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0130 EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	798.03	96.12
<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0131 EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	798.03	96.12
<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0132 EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,254.06	126.73
<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0133 EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,254.06	126.73
<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0135 EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	917.10	94.28
<i>For Electrical Interlock Kit, Add</i>	315.39	
26 24 13 00-0136 EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,340.02	94.28
<i>For Electrical Interlock Kit, Add</i>	315.39	
26 24 13 00-0137 EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,443.52	254.07
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139 EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,027.22	108.37
<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0140 EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,024.40	108.37
<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0141 EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,024.40	108.37
<i>For Electrical Interlock Kit, Add</i>	329.23	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,544.34 329.23	145.10
26 24	13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,544.34 329.23	145.10
26 24	13 00-0144		240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24	13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,111.24 329.23	106.53
26 24	13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,800.68 315.39	106.53
26 24	13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,615.59	284.44
26 24	13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,594.03	364.40
26 24	13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,285.33	493.70
26 24	13 00-0150		600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24	13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,454.15 329.23	108.37
26 24	13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,451.29 329.23	108.37
26 24	13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,454.15 329.23	108.37
26 24	13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	2,188.51 329.23	145.10
26 24	13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	2,236.18 329.23	145.10
26 24	13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	4,769.18 329.23	189.79
26 24	13 00-0157		600 Volt, 3 Pole, Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24	13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,571.06 329.23	106.53
26 24	13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,384.44 315.39	106.53
26 24	13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	5,799.70 315.39	284.44
26 24	13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,042.22	364.40
26 24	13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,285.33	493.70
26 24	13 00-0163		Service And Distribution Structures <small>(26 24 13)</small>		
26 24	13 00-0164		Distribution Section 600 Volt, 250 Volt DC <small>(26 24 13 00-0163)</small>		
26 24	13 00-0165		600 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24	13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,881.88	1,126.49
26 24	13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,442.24	1,126.49
26 24	13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,833.30	1,432.60
26 24	13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,228.87	1,432.60
26 24	13 00-0170		800 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24	13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,241.86	1,304.04
26 24	13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,786.58	1,304.04
26 24	13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,228.87	1,616.27
26 24	13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,584.22	1,616.27
26 24	13 00-0175		1,200 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24	13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,799.03	1,591.78
26 24	13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,357.11	1,591.78
26 24	13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,827.17	1,959.12
26 24	13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,347.77	1,959.12
26 24	13 00-0180		1,600 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24	13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,702.07	1,744.84
26 24	13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,367.19	1,744.84
26 24	13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,925.51	2,155.03
26 24	13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,379.00	2,155.03
26 24	13 00-0185		2,000 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24	13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,929.08	1,750.96
26 24	13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,647.51	1,971.36
26 24	13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,768.52	1,971.36
26 24	13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,008.80	2,081.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,797.98	1,971.36
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,917.18	1,971.36
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,157.46	2,081.56
26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,954.97	2,081.56
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,157.46	2,081.56
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,244.22	2,081.56
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board <small>(26 24 13 00-0164)</small>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	615.99	146.93
26 24 13 00-0200 EA Drilled Bottom For Pull Boy.....	694.45	146.93
26 24 13 00-0201 EA Cable Supports In Pull Box.....	248.63	36.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>20.41</i>	
26 24 13 00-0202 Underground Pull Sections <small>(26 24 13 00-0164)</small>		
<i>Note: Excludes no bus or terminal.</i>		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	596.92	171.42
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	1,033.56	220.40
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	1,033.56	220.40
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	773.83	171.42
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	1,107.75	251.01
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,264.18	251.01
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,324.98	324.47
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,399.07	324.47
26 24 13 00-0211 Switchboard Sections <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,806.11	1,020.33
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,264.11	1,109.10
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,601.68	1,417.17
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,220.06	1,545.98
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,700.08	1,645.78
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	5,717.76	895.07
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,255.64	850.26
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,607.47	922.01
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	8,131.77	1,020.33
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	8,726.88	1,023.03
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,579.07	1,142.17
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	182.35	61.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>37.39</i>	
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	222.58	62.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>44.17</i>	
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	1,030.58	73.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>95.16</i>	
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,708.18	158.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>132.52</i>	
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	679.91	220.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>76.53</i>	
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,920.32	127.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>95.16</i>	
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,491.46	531.41
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,544.07	718.63
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,975.92	874.62
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,014.04	1,224.45
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	6,213.26	1,530.56
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	6,848.18	1,530.56
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	8,454.07	2,040.79
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,671.50	2,040.79
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	11,372.85	2,429.42
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	13,613.04	2,429.42
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
<i>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</i>		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	8,746.30	1,285.67
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>769.77</i>	
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	15,961.21	2,142.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,284.39</i>	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0245	EA		1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	35,956.89	3,599.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,140.64	
26 24 13 00-0246	EA		4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	57,923.44	5,828.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,559.44	
26 24 13 00-0247	EA		Ground-Fault Trip All Power Breakers - Factory Installed.....	3,048.66	
26 24 13 00-0248	EA		Key Interlock All Power Breakers - Factory Installed.....	393.73	
26 24 13 00-0249	EA		Short Time Delay Selective Trip - Factory Installed.....	516.54	
26 24 13 00-0250	EA		Shunt Trip Manually Open Breakers - Factory Installed.....	372.05	
26 24 13 00-0251			DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA		50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	10,248.75	1,346.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	811.97	
26 24 13 00-0253	EA		50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	19,039.99	2,265.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,352.48	
26 24 13 00-0254	EA		1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	40,396.86	3,734.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,250.26	
26 24 13 00-0255	EA		4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	62,386.15	6,122.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,763.67	
26 24 13 00-0256			DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
			Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA		50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	6,960.21	1,175.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	706.41	
26 24 13 00-0258	EA		50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	12,736.37	1,971.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,177.35	
26 24 13 00-0259	EA		2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	18,874.58	3,306.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,962.26	
26 24 13 00-0260	EA		1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	32,575.64	5,326.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,268.10	
26 24 13 00-0261	EA		4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	53,010.21	8,693.58
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,433.94	
26 24 13 00-0262			DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
			Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA		50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	8,213.16	1,126.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	673.76	
26 24 13 00-0264	EA		50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	15,330.01	1,885.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,122.66	
26 24 13 00-0265	EA		2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	21,826.42	3,134.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,874.15	
26 24 13 00-0266	EA		1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	36,022.18	5,105.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,123.59	
26 24 13 00-0267	EA		4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	56,326.38	8,754.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,217.82	
26 24 13 00-0268			Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269	EA		70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	2,952.00	1,028.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	592.47	
26 24 13 00-0270	EA		125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,320.86	1,028.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	644.45	
26 24 13 00-0271	EA		300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,792.92	1,224.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	706.41	
26 24 13 00-0272	EA		400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	5,698.93	1,224.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	765.28	
26 24 13 00-0273	EA		600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	8,463.03	1,469.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	838.67	
26 24 13 00-0274	EA		1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	13,684.70	1,469.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	927.61	
26 24 13 00-0275	EA		Shunt Trip, Factory Installed.....	390.11	
26 24 13 00-0276	EA		Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	90.30	
26 24 13 00-0277			Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278	EA		60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	616.20	88.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.24	
26 24 13 00-0279	EA		100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	726.63	117.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.64	
26 24 13 00-0280	EA		225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,103.73	177.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.41	
26 24 13 00-0281	EA		400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,780.96	222.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.48	
26 24 13 00-0282	EA		600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,365.50	298.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.01	
26 24 13 00-0283	EA		800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,064.17	382.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,537.51	583.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	349.84	
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,537.51	583.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	349.84	
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	9,169.29	816.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	489.78	
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	11,438.12	1,224.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	734.67	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	7,427.07	531.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	318.87	
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	7,528.10	581.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	349.18	
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	8,113.39	874.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	524.76	
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	13,881.96	1,224.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	734.67	
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	14,142.01	1,354.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	812.69	
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard.....	18,659.46	2,429.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,457.68	
26 24 13 00-0295 Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	646.56	44.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	651.85	55.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,575.61	66.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.08	
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,285.89	85.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.94	
26 24 13 00-0301 EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,224.36	105.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.53	
26 24 13 00-0302 EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	4,224.68	123.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.65	
26 24 13 00-0303 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	6,454.35	139.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.30	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295)		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	445.23	33.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 24 13 00-0306 EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	571.86	44.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 24 13 00-0307 EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,571.18	55.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 24 13 00-0308 EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,492.21	61.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.41	
26 24 13 00-0309 EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,631.91	79.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.26	
26 24 13 00-0310 EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	5,971.84	115.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.14	
26 24 13 00-0311 Meter Devices And Instrumentation (26 24 13)		
Note: Factory installed accessories.		
26 24 13 00-0312 Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)		
26 24 13 00-0313 EA Compartment For, Up To 800 Amperes, Primary Current Transformer.....	471.39	
26 24 13 00-0314 EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	680.89	
26 24 13 00-0315 EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	801.90	
26 24 13 00-0316 Instruments (26 24 13 00-0311)		
26 24 13 00-0317 EA AC Voltmeter.....	642.96	
26 24 13 00-0318 EA AC Ammeter.....	642.96	
26 24 13 00-0319 EA AC Wattmeter.....	1,717.58	
26 24 13 00-0320 EA Variometer.....	1,939.73	
26 24 13 00-0321 EA Power Factor Meter.....	1,549.62	
26 24 13 00-0322 EA Frequency Meter.....	1,710.36	
26 24 13 00-0323 EA 200 Volt-Amperes Max Potential Transformer.....	577.95	
26 24 13 00-0324 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	2,176.33	
26 24 13 00-0325 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,641.06	
26 24 13 00-0326 EA Weatherproof, Modify Meter.....	3,490.97	
26 24 13 00-0327 EA Control Switch Resistor Type 130 V.....	81.37	
26 24 13 00-0328 EA Metering Instrument: Voltage, Amperes And Watt Hour.....	4,392.03	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 24 16 Panelboards (26 24)

26 24 16 00-0001

Branch Circuit Panelboard (26 24 16)

Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002

Assembled Lighting And Power Panelboards (26 24 16 00-0001)

Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003

120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,322.32	348.97
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,503.11	348.97
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,706.92	483.66
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,913.41	483.66
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,107.53	606.10
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,306.73	606.10
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,499.26	697.93
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,001.67	893.84
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,159.24	893.84
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,314.40	1,022.42
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,564.76	1,022.42
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,719.19	1,150.98
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,948.39	1,150.98
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,088.28	1,273.43
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,319.03	1,273.43
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,530.66	1,408.11
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,677.48	1,408.11
		<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,890.29	1,408.11
		<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,568.48	336.73
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0024 EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,751.92	336.73
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0025 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,173.82	575.49
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0026 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,465.42	575.49
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0027 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,663.50	704.06
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0028 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,869.91	704.06
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0029 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,053.46	844.87
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0030 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,694.77	844.87
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0031 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,858.19	1,034.66
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0032 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,035.48	1,034.66
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0033 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,229.44	1,163.23
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0034 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,387.16	1,163.23
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0035 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,555.18	1,273.43
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0036 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,735.05	1,273.43
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0037 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,928.72	1,506.07
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0038 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,138.56	1,506.07
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0039 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,367.51	1,506.07
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0040 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,509.75	1,591.78
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,596.66	397.95
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0043 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,791.91	397.95
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0044 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,013.58	532.64
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0045 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,246.51	532.64
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0046 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,455.28	655.08
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0047 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,678.29	655.08
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0048	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,888.41 1,534.02	777.52
26 24 16 00-0049	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,105.51 1,687.00 123.27	777.52
26 24 16 00-0050	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,307.48 1,687.00 123.27	912.21
26 24 16 00-0051	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,540.09 1,687.00 123.27	912.21
26 24 16 00-0052	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,776.97 1,687.00 123.27	1,053.03
26 24 16 00-0053	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,009.52 1,687.00 123.27	1,053.03
26 24 16 00-0054	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,473.76 1,992.76 210.53	1,273.43
26 24 16 00-0055	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,631.79 1,992.76 210.53	1,273.43
26 24 16 00-0056	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,903.15 1,992.76 210.53	1,414.24
26 24 16 00-0057	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,149.21 1,992.76 210.53	1,414.24
26 24 16 00-0058	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,323.43 2,074.05 269.07	1,542.80
26 24 16 00-0059	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,569.06 2,074.05 269.07	1,542.80
26 24 16 00-0060	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,417.47 1,992.76 210.53	1,368.93
26 24 16 00-0061	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,591.85 1,992.76 210.53	1,438.72
26 24 16 00-0062	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,875.41 1,992.76 210.53	1,515.25
26 24 16 00-0063	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,139.95 1,992.76 210.53	1,604.02
26 24 16 00-0064	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,324.91 2,074.05 269.07	1,653.01
26 24 16 00-0065	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,622.64 2,074.05 269.07	1,754.02
26 24 16 00-0066			120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,900.81 1,534.02	385.71
26 24 16 00-0068	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,098.56 1,534.02	385.71
26 24 16 00-0069	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,333.90 1,534.02	508.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0070 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,661.36	508.15
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0071 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,143.13	765.28
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0072 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,347.13	765.28
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0073 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,567.96	893.84
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0074 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,751.80	893.84
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0075 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,999.60	1,034.66
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0076 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,168.87	1,034.66
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0077 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,443.29	1,163.23
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0078 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,678.70	1,163.23
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0079 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,500.09	1,346.89
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0080 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,743.34	1,420.36
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0081 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,846.71	1,420.36
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0082 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,119.69	1,604.02
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0083 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,310.37	1,604.02
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0084 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,435.63	1,604.02
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0085 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,471.60	1,475.46
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0086 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,737.45	1,561.17
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0087 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,844.30	1,604.02
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0088 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	7,138.87	1,701.99
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0089 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,328.44	1,750.96
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0090 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,507.27	1,812.19
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,802.32	391.83
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0093	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,060.44	391.83
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0094	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,308.05	538.76
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0095	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,566.14	538.76
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0096	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,807.10	673.45
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0097	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,060.78	673.45
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0098	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,325.37	814.26
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0099	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,568.16	814.26
			<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0100	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,834.74	967.31
			<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0101	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,092.22	967.31
			<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0102	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,329.23	1,102.01
			<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0103	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,582.91	1,102.01
			<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0104	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,123.90	1,340.77
			<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0105	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,377.29	1,340.77
			<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0106	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,646.85	1,469.34
			<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0107	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,844.57	1,469.34
			<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0108	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,144.11	1,622.39
			<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0109	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,358.93	1,622.39
			<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0110			480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,293.47	416.32
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0112	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,545.78	453.05
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0113	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,800.85	563.25
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0114	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,365.87	685.69
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0115	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,609.29	759.16
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0116	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,831.19	820.38
			<i>For NEMA 3R Panelboard, Add</i>	1,534.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0117 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,075.72	893.84
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0118 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,311.05	967.31
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0119 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,526.36	1,028.54
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0120 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,757.35	1,089.76
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0121 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,007.29	1,163.23
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0122 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,280.42	1,255.06
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0123 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,646.03	1,395.87
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0124 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,907.94	1,481.58
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0125 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,094.25	1,518.31
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0126 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,388.70	1,616.27
<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0127 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,593.60	1,677.50
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0128 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,806.06	1,730.15
<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,193.79	428.56
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0131 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,482.06	428.56
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0132 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,762.89	569.37
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0133 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,046.01	569.37
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0134 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,333.72	704.06
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0135 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,615.49	704.06
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0136 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,901.88	844.87
<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0137 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,187.06	844.87
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0138 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,498.59	991.81
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0139 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,759.67	991.81
<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,035.49	997.93
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,329.07	997.93
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,070.39	1,383.62
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,370.73	1,383.62
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,602.88	1,457.09
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,930.72	1,555.05
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,178.51	1,555.05
		<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,542.23	1,701.99
		<i>For NEMA 3R Panelboard, Add</i>	2,074.05	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,847.88	526.51
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	3,142.96	526.51
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	3,426.94	697.93
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	4,081.48	697.93
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	4,355.00	881.60
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,628.08	881.60
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,891.97	1,010.17
		<i>For NEMA 3R Panelboard, Add</i>	1,534.02	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	5,135.83	1,010.17
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	5,395.37	1,150.98
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,673.84	1,150.98
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,913.34	1,273.43
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	6,164.69	1,273.43
		<i>For NEMA 3R Panelboard, Add</i>	1,687.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	8,061.09	1,506.07
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	8,366.26	1,506.07
		<i>For NEMA 3R Panelboard, Add</i>	1,992.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0163	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,591.37 1,992.76 210.53	1,646.89
26 24 16 00-0164	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,932.44 1,992.76 210.53	1,646.89
26 24 16 00-0165	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,178.21 2,074.05 269.07	1,799.94
26 24 16 00-0166	EA			225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,432.35 2,074.05 269.07	1,799.94
26 24 16 00-0167	EA			400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	11,196.79 2,074.05 269.07	2,004.42
26 24 16 00-0168	EA			600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	13,629.98 2,074.05 269.07	2,406.04
26 24 16 00-0169				Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0170				240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171				Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172	EA			100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	701.06	
26 24 16 00-0173	EA			100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	806.38	
26 24 16 00-0174	EA			225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,096.82	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0175	EA			225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,265.75	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0176	EA			225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,432.10	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0177	EA			400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,601.09	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0178	EA			400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,738.06	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0179	EA			400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,903.03	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0180	EA			600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,065.48	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0181	EA			600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,201.78	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0182	EA			600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,404.20	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0183				Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184	EA			100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,042.58	
26 24 16 00-0185	EA			100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,180.83	
26 24 16 00-0186	EA			225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,891.06	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0187	EA			225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,099.18	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0188 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,294.56	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0189 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,990.02	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0190 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,222.54	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0191 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,432.89	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,421.22	
26 24 16 00-0194 EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,518.31	
26 24 16 00-0195 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,791.61	
26 24 16 00-0196 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,957.11	
26 24 16 00-0197 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,110.43	
26 24 16 00-0198 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,412.47	
26 24 16 00-0199 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,540.53	
26 24 16 00-0200 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,697.27	
26 24 16 00-0201 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,922.81	
26 24 16 00-0202 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,054.12	
26 24 16 00-0203 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,243.78	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,754.51	
26 24 16 00-0206 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,883.84	
26 24 16 00-0207 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,718.91	
26 24 16 00-0208 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,910.57	
26 24 16 00-0209 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,093.60	
26 24 16 00-0210 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,771.91	
26 24 16 00-0211 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,996.20	
26 24 16 00-0212 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,204.50	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00- 0189)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	789.94	
26 24 16 00-0216 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	928.79	
26 24 16 00-0217 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,045.07	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0218 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,182.28	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0219 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,360.70	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0220 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,506.65	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0221 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,737.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0222 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,871.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0223 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,019.93	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0224 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,216.57	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0225 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,446.98	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0226 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,896.43	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,222.71	
26 24 16 00-0229 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,378.89	
26 24 16 00-0230 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,579.65	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0231 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,342.94	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0232 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,536.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0233 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,716.93	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0234 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,763.03	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0235 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,978.92	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0236 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,158.15	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,510.10	
26 24 16 00-0239 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,640.72	
26 24 16 00-0240 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,748.08	
26 24 16 00-0241 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,877.06	
26 24 16 00-0242 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,052.06	
26 24 16 00-0243 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,184.97	
26 24 16 00-0244 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,548.50	
26 24 16 00-0245 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,674.06	
26 24 16 00-0246 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,814.16	
26 24 16 00-0247 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,073.91	
26 24 16 00-0248 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,288.54	
26 24 16 00-0249 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,738.00	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,934.64	
26 24 16 00-0252 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,081.91	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0253	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,277.87	
26 24 16 00-0254	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,170.79	
26 24 16 00-0255	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,348.16	
26 24 16 00-0256	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,515.97	
26 24 16 00-0257	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,263.99	
26 24 16 00-0258	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,487.01	
26 24 16 00-0259	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,678.31	
26 24 16 00-0260			480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0261			Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA		125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,134.28	
26 24 16 00-0263	EA		125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,244.34	
26 24 16 00-0264	EA		250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,717.22	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0265	EA		250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,914.25	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0266	EA		250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,084.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0267	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,077.81	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0268	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,189.15	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0269	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,377.90	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0270	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,507.19	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0271	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,687.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0272	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,934.27	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0273			Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,327.75	
26 24 16 00-0275	EA		100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,401.26	
26 24 16 00-0276	EA		125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,606.72	
26 24 16 00-0277	EA		125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,746.21	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0278	EA		125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,022.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0279	EA		250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,929.03	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0280	EA		250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,101.66	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0281	EA		250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,323.93	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0282	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,460.48	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0283	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,691.73	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0284 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,901.71 269.07	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,829.75	
26 24 16 00-0287 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,939.81	
26 24 16 00-0288 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,396.23	
26 24 16 00-0289 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,712.60	
26 24 16 00-0290 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,869.25	
26 24 16 00-0291 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,862.44	
26 24 16 00-0292 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,953.21	
26 24 16 00-0293 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,112.46	
26 24 16 00-0294 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,310.34	
26 24 16 00-0295 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,473.73	
26 24 16 00-0296 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,684.50	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,171.37	
26 24 16 00-0299 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,244.88	
26 24 16 00-0300 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,291.90	
26 24 16 00-0301 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,425.22	
26 24 16 00-0302 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,821.14	
26 24 16 00-0303 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,713.66	
26 24 16 00-0304 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,865.72	
26 24 16 00-0305 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,058.50	
26 24 16 00-0306 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,195.05	
26 24 16 00-0307 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,407.44	
26 24 16 00-0308 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,614.53	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,180.91	
26 24 16 00-0312 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,291.67	
26 24 16 00-0313 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,494.31	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0314 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,785.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24 16 00-0315 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,984.38	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24 16 00-0316 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,153.42	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0317 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,168.53	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,301.63	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24	16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,488.96	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24	16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,618.49	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24	16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,799.52	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24	16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,047.33	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>					
26 24	16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,567.80	
26 24	16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,642.00	
26 24	16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,862.62	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24	16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,936.69	
26 24	16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,076.77	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24	16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,352.62	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24	16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,316.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24	16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,490.82	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24	16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,710.75	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24	16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,924.31	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	123.27	
26 24	16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,157.79	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	210.53	
26 24	16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,367.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	269.07	
26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>					
26 24	16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,876.39	
26 24	16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,987.14	
26 24	16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,179.49	
26 24	16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,464.85	
26 24	16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,782.73	
26 24	16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,938.06	
26 24	16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,955.22	
26 24	16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,065.69	
26 24	16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,223.53	
26 24	16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,421.64	
26 24	16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,585.52	
26 24	16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,796.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,246.81	
26 24 16 00-0351 EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,321.01	
26 24 16 00-0352 EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,660.97	
26 24 16 00-0353 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,621.88	
26 24 16 00-0354 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,755.78	
26 24 16 00-0355 EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,150.98	
26 24 16 00-0356 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,100.74	
26 24 16 00-0357 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,254.88	
26 24 16 00-0358 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,445.32	
26 24 16 00-0359 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,658.87	
26 24 16 00-0360 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,873.15	
26 24 16 00-0361 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,079.55	
26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,011.34	364.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.52	
26 24 16 00-0365 EA 400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,355.15	364.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.46	
26 24 16 00-0366 EA 400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,614.05	364.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.46	
26 24 16 00-0367 EA 600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,982.39	597.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	358.76	
26 24 16 00-0368 EA 600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,182.77	597.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	358.76	
26 24 16 00-0369 EA 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,402.65	597.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	358.76	
26 24 16 00-0370 EA 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,676.71	794.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	476.88	
26 24 16 00-0371 EA 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,869.53	797.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	478.34	
26 24 16 00-0372 EA 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,948.02	794.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	476.88	
26 24 16 00-0373 EA 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,583.72	794.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	476.88	
26 24 16 00-0374 EA 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,974.53	1,195.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	717.51	
26 24 16 00-0375 EA 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,407.20	1,195.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	717.51	
26 24 16 00-0376 EA 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,760.96	1,195.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	717.51	
26 24 16 00-0377 EA 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,192.75	1,195.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	717.51	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,885.96	371.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.13	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0380 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,101.23	421.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.10	
26 24 16 00-0381 EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,351.26	421.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.10	
26 24 16 00-0382 EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,087.15	421.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.10	
26 24 16 00-0383 EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,939.56	691.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	414.90	
26 24 16 00-0384 EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,352.86	693.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	416.00	
26 24 16 00-0385 EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,693.19	691.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	414.90	
26 24 16 00-0386 EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,038.62	924.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	554.67	
26 24 16 00-0387 EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,527.72	921.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	552.71	
26 24 16 00-0388 EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	11,015.36	921.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	552.71	
26 24 16 00-0389 Residential Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390 Residential Type Unassembled Load Center <small>(26 24 16 00-0389)</small> Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	165.81	61.22
26 24 16 00-0393 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	554.23	244.89
26 24 16 00-0394 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	838.64	349.58
26 24 16 00-0395 EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,793.21	734.79
26 24 16 00-0396 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,961.44	795.89
26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	231.80	67.34
26 24 16 00-0399 EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	417.18	73.47
26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0390)</small>		
26 24 16 00-0401 EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	235.77	67.34
26 24 16 00-0402 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	263.05	73.47
26 24 16 00-0403 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	918.13	349.58
26 24 16 00-0404 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	2,082.40	795.89
26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	292.28	67.34
26 24 16 00-0407 EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	2,014.56	734.79
26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0390)</small>		
26 24 16 00-0409 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	2,169.90	734.79
26 24 16 00-0410 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	2,355.41	795.89
26 24 16 00-0411 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	8,349.06	1,224.45



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0412				Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small>		
				Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA			125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,173.47	734.79
26 24 16 00-0414	EA			150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,461.80	795.89
26 24 16 00-0415	EA			300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,193.50	1,224.45
26 24 16 00-0416				Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0390)</small>		
26 24 16 00-0417	EA			125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,282.21	734.79
26 24 16 00-0418	EA			150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,547.21	795.89
26 24 16 00-0419				Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0390)</small>		
				Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA			125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,359.74	734.79
26 24 16 00-0421	EA			155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,482.01	795.89
26 24 16 00-0422				Residential Type Assembled Load Center <small>(26 24 16 00-0389)</small>		
26 24 16 00-0423				Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase <small>(26 24 16 00-0422)</small>		
				Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA			100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	839.16	349.58
26 24 16 00-0425	EA			100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,022.35	408.35
26 24 16 00-0426	EA			100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	858.17	349.58
26 24 16 00-0427	EA			100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,027.54	408.35
26 24 16 00-0428	EA			200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,492.92	544.27
26 24 16 00-0429	EA			200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,760.94	653.24
26 24 16 00-0430	EA			200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,013.48	753.64
26 24 16 00-0431	EA			200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,219.22	815.85
26 24 16 00-0432	EA			200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,321.50	1,224.45
26 24 16 00-0433	EA			200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,560.31	544.27
26 24 16 00-0434	EA			200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,824.88	653.24
26 24 16 00-0435	EA			200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,077.41	753.64
26 24 16 00-0436	EA			200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,279.70	815.85
26 24 16 00-0437	EA			200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,520.21	1,224.45
26 24 16 00-0438	EA			400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,094.69	1,360.49
26 24 16 00-0439	EA			400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,302.04	1,360.49
26 24 16 00-0440				Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt <small>(26 24 16 00-0422)</small>		
				Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA			125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,119.12	408.35
26 24 16 00-0442	EA			125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,668.53	612.22
26 24 16 00-0443	EA			125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,176.14	408.35
26 24 16 00-0444	EA			125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,720.36	612.22
26 24 16 00-0445	EA			200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,111.97	753.64
26 24 16 00-0446	EA			200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,306.49	816.34
26 24 16 00-0447	EA			200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,823.70	979.93
26 24 16 00-0448	EA			200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,390.62	1,224.45

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0449 EA 200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,172.45	753.64
26 24 16 00-0450 EA 200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,374.74	815.85
26 24 16 00-0451 EA 200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,055.72	979.19
26 24 16 00-0452 EA 200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,623.89	1,224.45
26 24 16 00-0453 EA 400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,146.53	1,360.49
26 24 16 00-0454 EA 400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,353.88	1,360.49
26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase <small>(26 24 16 00-0422)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456 EA 125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,112.20	408.35
26 24 16 00-0457 EA 125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,644.34	612.22
26 24 16 00-0458 EA 200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,902.63	653.24
26 24 16 00-0459 EA 200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,181.83	754.01
26 24 16 00-0460 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,401.53	816.34
26 24 16 00-0461 EA 200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,179.38	1,088.53
26 24 16 00-0462 EA 200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,919.91	653.24
26 24 16 00-0463 EA 200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,215.65	753.64
26 24 16 00-0464 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,409.30	815.85
26 24 16 00-0465 EA 200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,084.35	1,088.53
26 24 16 00-0466 EA 400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,874.45	1,360.49
26 24 16 00-0467 EA 400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,220.03	1,360.49
26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt <small>(26 24 16 00-0422)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469 EA 200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,885.34	816.34
26 24 16 00-0470 EA 200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,943.55	1,224.45
26 24 16 00-0471 EA 200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,988.15	815.85
26 24 16 00-0472 EA 200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,047.23	1,224.45
26 24 16 00-0473 Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		
26 24 16 00-0474 Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0473)</small>		
Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475 EA 1 Pole Midget Finger-Safe Fuse Holder	78.37	22.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0476 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder	92.30	22.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0477 EA 2 Pole Midget Finger-Safe Fuse Holder	126.41	33.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0478 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	162.76	33.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0479 EA 3 Pole Midget Finger-Safe Fuse Holder	185.71	44.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0480 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	233.98	44.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0481 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	274.36	44.08
Note: With indicators.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0482 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	220.83	44.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0483 EA 4 Pole Midget Finger-Safe Fuse Holder	233.89	55.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0484 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder	286.90	55.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 16 00-0485 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	92.34	22.04
Note: With indicator.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0486 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.74 14.69	22.04
26 24 16 00-0487 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.71 14.69	22.04
26 24 16 00-0488 Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small> Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,537.53 459.17	
26 24 16 00-0490 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.60 23.88	
26 24 16 00-0491 EA Panelboard Filler Plate, Fits 1" Opening <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.83 1.15	
26 24 19 Motor-Control Centers <small>(26 24)</small>		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,382.96 67.13	111.88
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,821.03 70.49	117.48
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,194.12 73.85	123.07
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,597.37 87.27	145.45
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,291.89 100.70	167.83
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,723.15 134.27	223.77
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,382.96 67.13	111.88
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,821.03 70.49	117.48
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,194.12 73.85	123.07
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,597.37 87.27	145.45
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,291.89 100.70	167.83
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,723.15 134.27	223.77
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,449.00 67.13	111.88
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,594.00 70.49	117.48
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,581.43 73.85	123.07
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,509.20 87.27	145.45
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,643.52 100.70	167.83
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,017.07 134.27	223.77
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,449.00 67.13	111.88
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,594.00 70.49	117.48
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,581.43 73.85	123.07
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,509.20 87.27	145.45

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0028	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,643.52 100.70	167.83
26 24 19 00-0029	EA		480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,017.07 134.27	223.77
26 24 19 00-0030			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,199.84 107.41	179.02
26 24 19 00-0032	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,771.60 114.12	190.21
26 24 19 00-0033	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,490.69 120.83	201.40
26 24 19 00-0034	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,161.99 137.62	229.36
26 24 19 00-0035	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,108.00 161.12	268.52
26 24 19 00-0036			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,199.84 107.41	179.02
26 24 19 00-0038	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,771.60 114.12	190.21
26 24 19 00-0039	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,490.69 120.83	201.40
26 24 19 00-0040	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,161.99 137.62	229.36
26 24 19 00-0041	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,108.00 161.12	268.52
26 24 19 00-0042			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,842.54 67.13	111.88
26 24 19 00-0044	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,202.64 70.49	117.48
26 24 19 00-0045	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,856.35 73.85	123.07
26 24 19 00-0046	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,508.50 87.27	145.45
26 24 19 00-0047	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,059.48 100.70	167.83
26 24 19 00-0048			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,842.54 67.13	111.88
26 24 19 00-0050	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,202.64 70.49	117.48
26 24 19 00-0051	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,856.35 73.85	123.07
26 24 19 00-0052	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,508.50 87.27	145.45
26 24 19 00-0053	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,059.48 100.70	167.83
26 24 19 00-0054			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,157.47	117.48
26 24 19 00-0056	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	10,953.90	128.67
26 24 19 00-0057	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	18,456.55	145.45
26 24 19 00-0058	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	28,545.15	167.83
26 24 19 00-0059	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	48,828.28	223.77
26 24 19 00-0060			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA		480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,157.47	117.48
26 24 19 00-0062	EA		480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	10,953.90	128.67
26 24 19 00-0063	EA		480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,456.55	145.45
26 24 19 00-0064	EA		480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	28,545.15	167.83
26 24 19 00-0065	EA		480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	48,828.28	223.77
26 24 19 00-0066			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,897.74 107.41	179.02
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,324.63 124.19	206.99
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,107.86 137.62	229.36
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,921.57 167.83	279.71
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,991.69 214.83	358.04
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit ^(26 24 19 00-0001) Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,897.74 107.41	179.02
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,324.63 124.19	206.99
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,107.86 137.62	229.36
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,921.57 167.83	279.71
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,991.69 214.83	358.04
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit ^(26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,179.84 87.27	145.45
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,410.11 107.41	179.02
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,643.30 124.19	206.99
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,789.47 137.62	229.36
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,806.90 167.83	279.71
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,232.55 214.83	358.04
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit ^(26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,179.84 87.27	145.45
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,410.11 107.41	179.02
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,643.30 124.19	206.99
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,789.47 137.62	229.36
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,806.90 167.83	279.71
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,232.55 214.83	358.04
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers ^(26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit ^(26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,184.75 67.13	111.88
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,622.82 70.49	117.48
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,596.69 73.85	123.07
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,305.39 87.27	145.45

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0098	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,440.33	167.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70	
26 24 19 00-0099	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	30,052.82	223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0100			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,184.75	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0102	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,622.82	117.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49	
26 24 19 00-0103	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,596.69	123.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85	
26 24 19 00-0104	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,305.39	145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27	
26 24 19 00-0105	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	18,440.33	167.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70	
26 24 19 00-0106	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	30,052.82	223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0107			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,244.02	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0109	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,379.98	117.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49	
26 24 19 00-0110	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	7,952.37	123.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85	
26 24 19 00-0111	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	14,181.09	145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27	
26 24 19 00-0112	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	25,728.72	167.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70	
26 24 19 00-0113			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,244.02	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0115	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,379.98	117.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49	
26 24 19 00-0116	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	7,952.37	123.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85	
26 24 19 00-0117	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	14,181.09	145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27	
26 24 19 00-0118	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	25,728.72	167.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70	
26 24 19 00-0119			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,981.30	179.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41	
26 24 19 00-0121	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,541.77	190.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.12	
26 24 19 00-0122	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,839.06	201.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.83	
26 24 19 00-0123	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,802.25	229.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.62	
26 24 19 00-0124	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,168.36	268.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.12	
26 24 19 00-0125			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
			Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,981.30	179.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41	
26 24 19 00-0127	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,541.77	190.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.12	
26 24 19 00-0128	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,839.06	201.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.83	
26 24 19 00-0129	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,802.25	229.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0130	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,168.36 161.12	268.52
26 24 19 00-0131			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,735.90 100.70	167.83
26 24 19 00-0133	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,082.31 107.41	179.02
26 24 19 00-0134	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,332.18 114.12	190.21
26 24 19 00-0135	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,262.58 130.91	218.18
26 24 19 00-0136	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,237.88 154.41	257.34
26 24 19 00-0137			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,735.90 100.70	167.83
26 24 19 00-0139	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,082.31 107.41	179.02
26 24 19 00-0140	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,332.18 114.12	190.21
26 24 19 00-0141	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,262.58 130.91	218.18
26 24 19 00-0142	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,237.88 154.41	257.34
26 24 19 00-0143			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,916.35 70.49	117.48
26 24 19 00-0145	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,742.69 77.20	128.67
26 24 19 00-0146	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,530.46 87.27	145.45
26 24 19 00-0147	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,612.83 100.70	167.83
26 24 19 00-0148	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,654.83 134.27	223.77
26 24 19 00-0149			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA		480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,916.35 70.49	117.48
26 24 19 00-0151	EA		480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,742.69 77.20	128.67
26 24 19 00-0152	EA		480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,530.46 87.27	145.45
26 24 19 00-0153	EA		480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,612.83 100.70	167.83
26 24 19 00-0154	EA		480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,654.83 134.27	223.77
26 24 19 00-0155			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156	EA		230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,679.20 107.41	179.02
26 24 19 00-0157	EA		230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,090.28 124.19	206.99
26 24 19 00-0158	EA		230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,447.19 137.62	229.36
26 24 19 00-0159	EA		230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,033.87 167.83	279.71
26 24 19 00-0160	EA		230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,500.88 214.83	358.04

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 24 19 00-0161		480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>			
		Note: Reduced volt, part winding.			
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,679.20		179.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41		
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,090.28		206.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.19		
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	12,447.19		229.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.62		
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	22,033.87		279.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.83		
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	32,500.88		358.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.83		
26 24 19 00-0167		230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>			
		Note: Reduced volt, energy saving			
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	20,828.04		145.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27		
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	22,051.54		179.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41		
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	24,262.15		206.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.19		
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	36,302.16		229.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.62		
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	49,204.41		279.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.83		
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	68,958.64		358.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.83		
26 24 19 00-0174		480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>			
		Note: Reduced volt, energy saving			
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	20,828.09		145.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.29		
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	22,051.54		179.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41		
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	24,262.15		206.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.19		
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	36,302.16		229.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.62		
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	49,204.41		279.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.83		
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	68,958.64		358.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.83		
26 24 19 00-0181		Combination Starters With Fusible Switch <small>(26 24 19)</small>			
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.			
26 24 19 00-0182		230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>			
		Note: 1-Speed non-reversing.			
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,120.96		111.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13		
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,922.66		117.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49		
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	4,921.38		123.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85		
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	8,674.70		145.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27		
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	14,076.78		167.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70		
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	25,102.05		223.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27		
26 24 19 00-0189		480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>			
		Note: 1-Speed non-reversing.			
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,120.96		111.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,922.66	117.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,921.38	123.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,674.70	145.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	14,076.78	167.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	25,102.05	223.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,419.64	111.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,090.89	117.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,139.84	123.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,261.85	145.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,398.51	167.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,669.33	223.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,419.64	111.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,090.89	117.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,139.84	123.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,261.85	145.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,398.51	167.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.70	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,669.33	223.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,010.12	179.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,509.60	190.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.12	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,660.08	201.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.83	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,455.60	229.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.62	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,613.38	268.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.12	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,010.12	179.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.41	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,509.60	190.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.12	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,660.08	201.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.83	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,455.60	229.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.62	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	24,613.38	268.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.12	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,566.99	111.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,958.72	117.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,014.45	123.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.85	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	20,175.32	145.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.27	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0227			480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 4,566.99		111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 67.13		
26 24 19 00-0229	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 6,958.72		117.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 70.49		
26 24 19 00-0230	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 10,014.45		123.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 73.85		
26 24 19 00-0231	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 20,175.32		145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 87.27		
26 24 19 00-0232			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 6,911.29		117.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 70.49		
26 24 19 00-0234	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 12,193.86		128.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 77.20		
26 24 19 00-0235	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 20,308.57		145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 87.27		
26 24 19 00-0236	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 27,113.22		167.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 100.70		
26 24 19 00-0237	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 45,544.32		223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 134.27		
26 24 19 00-0238			480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 6,911.29		117.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 70.49		
26 24 19 00-0240	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 12,193.86		128.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 77.20		
26 24 19 00-0241	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 20,308.57		145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 87.27		
26 24 19 00-0242	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 27,113.22		167.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 100.70		
26 24 19 00-0243	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 45,544.32		223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 134.27		
26 24 19 00-0244			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 4,927.10		179.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 107.41		
26 24 19 00-0246	EA		25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 6,518.86		206.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.19		
26 24 19 00-0247	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 10,367.06		229.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 137.62		
26 24 19 00-0248	EA		75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 20,644.85		279.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 167.83		
26 24 19 00-0249			480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250	EA		15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 4,927.10		179.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 107.41		
26 24 19 00-0251	EA		40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 6,518.86		206.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.19		
26 24 19 00-0252	EA		75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 10,367.06		229.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 137.62		
26 24 19 00-0253	EA		150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 20,644.85		279.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 167.83		
26 24 19 00-0254			230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0255	EA		7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... 20,177.58		145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 87.27		
26 24 19 00-0256	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... 21,410.11		179.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 107.41		
26 24 19 00-0257	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... 23,643.30		206.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.19		
26 24 19 00-0258	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... 35,789.47		229.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 137.62		
26 24 19 00-0259	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP..... 48,806.90		279.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 167.83		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,232.55 214.83	358.04
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,177.58 87.27	145.45
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,410.11 107.41	179.02
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,643.30 124.19	206.99
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,789.47 137.62	229.36
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,806.90 167.83	279.71
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,232.55 214.83	358.04
26 24 19 00-0268 Starter Accessories <small>(26 24 19)</small> Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269 Starter Modifications <small>(26 24 19 00-0268)</small>		
26 24 19 00-0270 EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	188.55	
26 24 19 00-0271 EA Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	352.34	
26 24 19 00-0272 EA Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	503.66	
26 24 19 00-0273 EA Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	126.48	
26 24 19 00-0274 EA Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	178.43	
26 24 19 00-0275 EA Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	300.39	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter	74.53	
26 24 19 00-0277 EA N.O. Overload Relay Alarm	63.24	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary	141.50	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	174.94	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	342.17	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	174.94	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V	200.67	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer	241.83	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To	285.57	
26 24 19 00-0285 EA Blank Devices Panel	54.03	
26 24 19 00-0286 EA Oversize Or Special Color Starter	84.90	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer	741.07	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non-Resettable	671.60	
26 24 19 00-0289 EA Panel Elapsed Time Meter, Resettable	1,003.36	
26 24 19 00-0290 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	84.90	
26 24 19 00-0291 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	120.92	
26 24 19 00-0292 EA Terminal Blocks, Front Mounted, Press Connection, Standard	84.90	
26 24 19 00-0293 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In	120.92	
26 24 19 00-0294 EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	120.92	
26 24 19 00-0295 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	174.94	
26 24 19 00-0296 EA MOR - A Solid State Modular Overload Relay	434.79	
26 24 19 00-0297 EA Heater Module	79.77	
26 24 19 00-0298 EA LAM - Long Acceleration Module	495.54	
26 24 19 00-0299 EA JAM - Jam Protection Module	568.06	
26 24 19 00-0300 EA PUM - Phase Unbalance Module	1,078.10	
26 24 19 00-0301 EA ULM - Underload Module	517.29	
26 24 19 00-0302 EA Wiring To Common Control Circuit Transformer	113.61	
26 24 19 00-0303 EA Handle Operator Separable Source Control Circuit	212.72	
26 24 19 00-0304 EA Type SIS Control Wire	89.44	
26 24 19 00-0305 EA Ring Or Spade Terminals Control	113.61	
26 24 19 00-0306 EA Ring Terminals Power	113.61	
26 24 19 00-0307 EA 14 Gauge Control Wire	89.44	
26 24 19 00-0308 EA Wiremakers	113.61	
26 24 19 00-0309 EA Wiring Diagram On Door	67.68	
26 24 19 00-0310 EA Special Color Or Type Control Wire	82.19	
26 24 19 00-0311 EA Current Transformer 12.5 VA	645.41	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,061.92	
26 24 19 00-0313 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,320.57	
26 24 19 00-0314 Control Relays And Special Components <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315 EA 600 Volt, 2 Pole, Control Relays	568.92	
26 24 19 00-0316 EA 600 Volt, 4 Pole, Control Relays	672.24	
26 24 19 00-0317 EA 600 Volt, 6 Pole, Control Relays	786.76	
26 24 19 00-0318 EA 600 Volt, 8 Pole, Control Relays	875.36	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0319	EA		Pneumatic Timer, Control Relays	756.12	
26 24 19 00-0320	EA		Motor Driven Timer, Control Relays.....	1,970.32	
26 24 19 00-0321	EA		7 Days Time Switch, Control Relays	2,479.92	
26 24 19 00-0322	EA		24 Hour Time Switch, Control Relays	695.41	
26 24 19 00-0323	EA		Phase Voltage, Control Relays	1,182.93	
26 24 19 00-0324	EA		Two Circuit Alternator, Control Relays	1,655.73	
26 24 19 00-0325	EA		Manual 120 Volt, Control Relays	161.89	
26 24 19 00-0326	EA		Over-Current Relay, Control Relays	4,612.13	
26 24 19 00-0327	EA		UV-Relay, Control Relays	3,906.29	
26 24 19 00-0328	EA		Over-Current Relay, Control Relays	3,906.29	
26 24 19 00-0329	EA		Teleductor, Control Relays	1,219.72	
26 24 19 00-0330	EA		Current Transducer, Control Relays	3,280.19	
26 24 19 00-0331	EA		Watt Transducer, Control Relays.....	6,560.38	
26 24 19 00-0332	EA		Control Relays, Blank, Add For Each 1x.....	222.60	
26 24 19 00-0333	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	332.99	
26 24 19 00-0334	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	375.30	
26 24 19 00-0335	EA		Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	417.61	
26 24 19 00-0336	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	375.30	
26 24 19 00-0337	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	417.61	
26 24 19 00-0338	EA		Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	439.69	
26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)					
26 24 19 00-0340	EA		Shunt Trip, Circuit Breaker.....	358.37	
26 24 19 00-0341	EA		Auxiliary Switch, Circuit Breaker	123.78	
26 24 19 00-0342	EA		Key Interlock, Circuit Breaker	445.22	
26 24 19 00-0343	EA		GFR Ground Fault, Circuit Breaker.....	2,052.39	
26 24 19 00-0344	EA		Seltronic Breaker, Circuit Breaker.....	1,188.91	
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)					
26 24 19 00-0346	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,797.12	72.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.63	
26 24 19 00-0347	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,118.07	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0348	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	3,019.16	72.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.63	
26 24 19 00-0349	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,337.54	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0350	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,582.73	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0351	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,421.95	145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.29	
26 24 19 00-0352	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,579.67	156.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.00	
26 24 19 00-0353	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	7,361.81	201.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.79	
26 24 19 00-0354	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,634.71	307.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.67	
26 24 19 00-0355	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	12,218.45	464.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.82	
26 24 19 00-0356	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	26,928.51	615.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.91	
26 24 19 00-0357	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	40,290.18	772.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	462.77	
26 24 19 00-0358	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	67,357.28	894.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	537.52	
26 24 19 00-0359	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	2,165.02	72.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.63	
26 24 19 00-0360	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	3,475.68	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0361	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	2,165.02	72.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.63	
26 24 19 00-0362	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	3,475.68	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0363	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	3,700.93	72.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.63	
26 24 19 00-0364	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	5,063.04	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0365	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	6,292.80	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0366	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	3,298.16	111.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0367	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	8,346.57	307.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.67	
26 24 19 00-0368	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	8,346.57	307.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.67	
26 24 19 00-0369	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	11,270.60	335.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.31	
26 24 19 00-0370	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	14,083.78	391.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.86	
26 24 19 00-0371	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	16,201.01	464.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.82	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches <small>(26 24 19 00-0268)</small>				
	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,930.35	111.88
	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	2,991.53	111.88
	EA	100 Amperes, Incoming Line And Feeder Fusible Switches.....	3,104.55	139.86
	EA	200 Amperes, Incoming Line And Feeder Fusible Switches.....	5,066.95	167.83
	EA	400 Amperes, Incoming Line And Feeder Fusible Switches.....	10,024.06	212.58
	EA	600 Amperes, Incoming Line And Feeder Fusible Switches.....	14,066.17	279.71
	EA	800 Amperes, Incoming Line And Feeder Fusible Switches.....	34,305.00	374.81
	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	38,674.32	520.27
26 24 19 00-0381 Dry Type Distribution Transformers <small>(26 24 19 00-0268)</small>				
	EA	500 VA, Phase 1, Dry Type Distribution Transformers.....	1,754.59	
	EA	750 VA, Phase 1, Dry Type Distribution Transformers.....	1,811.19	
	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,870.36	
	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers.....	2,145.64	
	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,325.73	
	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,593.72	
	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,164.44	
	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers.....	3,565.78	
	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers.....	8,289.28	
	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers.....	4,399.34	
	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers.....	6,094.75	
	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers.....	9,498.45	
	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers.....	8,796.10	
	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers.....	12,189.51	
	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers.....	12,400.53	
	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers.....	17,177.03	
26 24 19 00-0398 Metering Equipment <small>(26 24 19 00-0268)</small>				
	EA	Metering Equipment, Voltmeter, Panel Type.....	828.41	
	EA	Metering Equipment, Voltmeter, Switchboard Type.....	1,811.19	
	EA	Metering Equipment, Ammeter, Panel.....	746.09	
	EA	Metering Equipment, Ammeter, Switchboard Type.....	1,811.19	
	EA	Metering Equipment, Voltmeter/Ammeter, Switch.....	1,005.93	
	EA	Metering Equipment, Control Switch, 4 Circuits.....	1,067.68	
	EA	Add For Additional Circuits.....	132.95	
	EA	Metering Equipment, Indicating Wattmeter.....	3,735.58	
	EA	Metering Equipment, Indicating Power Factor.....	3,913.09	
	EA	Metering Equipment, Integrating Watt-hour.....	3,450.01	
	EA	Add For Demand Attachment.....	870.21	
	EA	800 Amperes, Metering Equipment, Current Transformer.....	1,031.66	
	EA	1,000 Amperes, Metering Equipment, Current Transformer.....	1,780.32	
	EA	2,000 Amperes, Metering Equipment, Current Transformer.....	2,073.61	
	EA	Metering Equipment, Potential Transformer.....	1,728.86	
	EA	Metering Equipment, Surge Arrester.....	1,860.07	
	EA	Metering Equipment, Ground Detector System.....	1,422.71	
26 24 19 00-0416 Current Limiting Reactors <small>(26 24 19 00-0268)</small>				
	EA	600 Amperes, Current Limiting Reactors.....	31,754.98	
	EA	800 Amperes, Current Limiting Reactors.....	46,244.49	
	EA	1,000 Amperes, Current Limiting Reactors.....	60,767.45	
	EA	1,200 Amperes, Current Limiting Reactors.....	92,499.27	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only <small>(26 24 19 00-0268)</small>				
	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	490.11	
	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....	490.11	
	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....	677.57	
	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....	1,239.95	
	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	677.57	
	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....	865.03	
	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....	865.03	
	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....	1,237.69	
	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	865.03	
	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	1,237.69	
	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	1,052.49	
	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	3,412.69	
	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	1,052.49	
	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	1,237.69	
	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	3,412.69	
	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	3,412.69	
	EA	Bus Duct Transition Pull Box.....	1,113.94	
	EA	Throat And Transition To Substation.....	2,150.45	
	EA	Service Entrance Label.....	465.71	
	EA	Type W To 5 Star - 10" Transition.....	973.45	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0442	EA		600 Amperes, Sub Feed Lugs On Main Bus.....	577.72	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications <small>(26 24 19 00-0268)</small>					
26 24 19 00-0444	EA		Standard Structure Add For Each Additional 4" Of Structure Width.....	307.52	
26 24 19 00-0445	EA		Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	307.52	
26 24 19 00-0446	EA		Standard Structure Single Corner Section "L", 16" Depth.....	951.33	
26 24 19 00-0447	EA		Standard Structure Single Corner Section "L", 21" Depth.....	1,073.01	
26 24 19 00-0448	EA		Standard Structure Unused Space/Future Space.....	91.81	
26 24 19 00-0449	EA		Standard Structure NEMA 12 Dustproof.....	247.79	
26 24 19 00-0450	EA		Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....	51.99	
26 24 19 00-0451	EA		Standard Structure 150 Watt Space.....	223.45	
26 24 19 00-0452	EA		Standard Structure Thermostat For Space Heater Control.....	703.42	
26 24 19 00-0453	EA		Standard Structure Rear Hinged Structure Door, 72" High.....	223.45	
26 24 19 00-0454	EA		Standard Structure NEMA 2 Drip Shield On Top Of MCC.....	454.44	
26 24 19 00-0455	EA		Standard Structure NEMA 3R N-Walk In Front Mounted.....	6,483.09	
26 24 19 00-0456	EA		Standard Structure NEMA 3R N-Walk In Back-to-back.....	7,493.50	
26 24 19 00-0457	EA		Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	7,500.75	
26 24 19 00-0458 Installation Hours For Vertical Sections <small>(26 24 19 00-0268)</small>					
26 24 19 00-0459	EA		Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes.....	671.29	335.66
26 24 19 00-0460	EA		Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes.....	1,006.93	503.49
26 24 19 00-0461	EA		Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes.....	1,118.86	559.43
26 24 19 00-0462	EA		Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes.....	1,342.74	671.31
26 24 19 00-0463	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes.....	111.88	55.94
26 24 19 00-0464	EA		Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes.....	671.29	335.66
26 24 19 00-0465	EA		Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes.....	1,006.93	503.49
26 24 19 00-0466	EA		Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes.....	1,118.86	559.43
26 24 19 00-0467	EA		Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes.....	1,342.74	671.31
26 24 19 00-0468	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes.....	111.88	55.94
26 24 19 00-0469	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes.....	783.22	391.60
26 24 19 00-0470	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes.....	1,006.93	503.49
26 24 19 00-0471	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes.....	1,342.74	671.31
26 24 19 00-0472	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes.....	1,566.21	783.09
26 24 19 00-0473	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes.....	167.82	83.92
26 24 19 00-0474	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes.....	895.08	447.55
26 24 19 00-0475	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes.....	1,230.85	615.37
26 24 19 00-0476	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes.....	1,566.21	783.09
26 24 19 00-0477	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes.....	1,789.87	894.97
26 24 19 00-0478	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes.....	223.77	111.88
26 24 19 00-0479	EA		Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes.....	895.08	447.55
26 24 19 00-0480	EA		Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes.....	1,342.74	671.31
26 24 19 00-0481	EA		Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes.....	1,678.11	839.03
26 24 19 00-0482	EA		Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes.....	1,902.18	951.15
26 24 19 00-0483	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes.....	223.77	111.88
26 24 19 00-0484 Motor Control Centers <small>(26 24 19)</small>					
26 24 19 00-0485 2.4 KV Motor Control Centers <small>(26 24 19 00-0484)</small>					
26 24 19 00-0486	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	12,597.88	223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0487	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	12,597.88	223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0488	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	12,597.88	223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0489	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	12,653.85	251.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.06	
26 24 19 00-0490	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	13,445.46	279.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.83	
26 24 19 00-0491	EA		2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	13,501.38	307.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.61	
26 24 19 00-0492	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	13,557.32	335.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.39	
26 24 19 00-0493	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	13,669.25	391.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.97	
26 24 19 00-0494	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	13,781.11	447.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.52	
26 24 19 00-0495	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	23,063.30	503.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.08	
26 24 19 00-0496	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	24,765.55	559.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.66	
26 24 19 00-0497	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	18,629.19	223.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.27	
26 24 19 00-0498	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	19,411.84	240.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.33	
26 24 19 00-0499	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	22,047.17	262.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.76	
26 24 19 00-0500	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	24,533.10	279.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	167.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,703.44 194.69	324.47
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,252.55 208.11	346.85
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,800.13 221.52	369.22
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,826.52 241.68	402.79
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,514.80 268.52	447.55
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,889.68 285.33	475.51
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,931.27 335.66	559.43
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,323.74 369.26	615.37
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75,151.33 402.82	671.31
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81,829.72 436.43	727.37
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,584.34 134.27	223.77
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,640.31 151.06	251.74
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,696.22 167.83	279.71
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,752.14 184.61	307.69
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,811.05 201.39	335.66
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,867.04 218.18	363.63
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,922.98 234.97	391.60
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,146.69 302.08	503.49
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,747.82 335.66	559.43
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,859.81 369.26	615.37
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,553.10 402.82	671.31
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,926.89 67.13	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,134.96 67.13	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,887.82 67.13	
26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,765.40 201.39	335.66
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,821.39 218.18	363.63
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,877.33 234.97	391.60
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,933.30 251.76	419.57
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,717.47 268.52	447.55
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,773.49 285.33	475.51
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,829.32 302.08	503.49
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,885.37 318.89	531.45
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,941.25 335.66	559.43
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,183.19 436.43	727.37
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,294.64 469.86	783.09
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,989.43 503.43	839.03
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,101.19 536.96	894.97
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,063.99 201.39	335.66
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,328.05 218.18	363.63
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,520.04 234.97	391.60

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP.....	25,020.94	419.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.76	
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP.....	27,157.62	447.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.52	
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP.....	29,718.02	475.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.33	
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP.....	32,122.17	503.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.08	
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP.....	35,291.97	531.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	318.89	
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP.....	40,847.08	559.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.66	
26 24	19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP.....	44,627.67	587.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.45	
26 24	19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP.....	48,464.19	643.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	386.02	
26 24	19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP.....	51,625.03	671.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	402.82	
26 24	19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP.....	54,607.34	699.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	419.57	
26 24	19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP.....	58,773.09	727.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	436.43	
26 24	19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP.....	93,010.21	894.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	536.96	
26 24	19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP.....	103,407.57	951.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	570.65	
26 24	19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP.....	124,215.67	1,006.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	604.16	
26 24	19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP.....	131,357.24	1,006.98
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	604.16	
26 24	19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP.....	18,860.82	391.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.97	
26 24	19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP.....	18,916.79	419.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.76	
26 24	19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP.....	18,972.68	447.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	268.52	
26 24	19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP.....	19,028.70	475.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.33	
26 24	19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP.....	20,651.07	503.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.08	
26 24	19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP.....	20,707.12	531.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	318.89	
26 24	19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP.....	20,763.00	559.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.66	
26 24	19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP.....	20,818.97	587.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.45	
26 24	19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP.....	20,874.99	615.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.26	
26 24	19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP.....	21,210.35	783.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	469.86	
26 24	19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP.....	34,019.53	839.03
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	503.43	
26 24	19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP.....	35,706.74	894.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	536.96	
26 24	19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP.....	35,706.74	894.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	536.96	
26 24	19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP.....	10,409.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24	19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP.....	10,726.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24	19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP.....	16,428.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.13	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)					
26 24	19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes.....	13,547.23	223.77
26 24	19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes.....	16,280.23	335.66
26 24	19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant.....	5,332.47	
26 24	19 00-0577	EA	2.4/4.8 KV Space Heaters.....	260.40	16.78
26 24	19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused.....	1,544.86	
26 24	19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	828.89	
26 24	19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max.....	2,468.61	
26 24	19 00-0581	EA	2.4/4.8 KV Pushbuttons Each.....	158.10	
26 24	19 00-0582	EA	2.4/4.8 KV Selector Switch Each.....	523.99	
26 24	19 00-0583	EA	2.4/4.8 KV Indicating Light.....	158.10	
26 24	19 00-0584	EA	2.4/4.8 KV Push To Test Light.....	478.82	
26 24	19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,273.83	
26 24	19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,273.83	
26 24	19 00-0587	EA	2.4/4.8 KV Power Factor Meter.....	3,810.20	
26 24	19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,626.71	
26 24	19 00-0589	EA	2.4/4.8 KV Operation Counter.....	512.39	16.78
26 24	19 00-0590	EA	2.4/4.8 KV Phase Failure Protection.....	3,684.93	55.94
26 24	19 00-0591	EA	2.4/4.8 KV Ground Protection.....	7,039.42	27.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection.....	2,083.22	27.98
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters.....	5,334.62	16.78
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism.....	7,727.07	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay.....	719.28	55.94
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay.....	513.55	55.94
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers <small>(26 24 19 00-0484)</small>		
<small>Note: 3 Pole. Includes structure.</small>		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,124.76	335.50
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	1,956.97	593.86
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,363.66	760.39
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	3,777.49	1,224.45
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	4,418.79	1,346.89
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	5,595.47	1,493.82
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	6,518.21	1,750.96
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	10,803.19	2,039.94
26 24 19 00-0606 Main Lugs Only <small>(26 24 19 00-0484)</small>		
26 24 19 00-0607 EA 600 Amperes Incoming Section, Main Lugs.....	961.25	428.56
26 24 19 00-0608 EA 800 Amperes Incoming Section, Main Lugs.....	1,047.93	428.56
26 24 19 00-0609 EA 1,200 Amperes Incoming Section, Main Lugs.....	1,487.55	673.45
26 24 19 00-0610 EA 2,000 Amperes Incoming Section, Main Lugs.....	3,446.74	1,224.45
26 24 19 00-0611 EA 3,000 Amperes Incoming Section, Main Lugs.....	5,211.94	1,775.45
26 24 19 00-0612 EA 4,000 Amperes Incoming Section, Main Lugs.....	7,385.59	2,448.90
26 24 19 00-0613 Incoming Main Circuit Breaker Structure <small>(26 24 19 00-0484)</small>		
<small>Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.</small>		
26 24 19 00-0614 EA 225 Amperes, Main Circuit Breaker Section.....	5,433.53	592.51
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00
26 24 19 00-0615 EA 400 Amperes, Main Circuit Breaker Section.....	11,292.15	761.12
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00
26 24 19 00-0616 EA 600 Amperes, Main Circuit Breaker Section.....	11,917.21	1,185.51
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00
26 24 19 00-0617 EA 800 Amperes, Main Circuit Breaker Section.....	16,689.55	1,185.51
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00
26 24 19 00-0618 EA 1,200 Amperes, Main Circuit Breaker Section.....	23,973.78	1,341.38
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00
26 24 19 00-0619 Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small>		
<small>Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.</small>		
26 24 19 00-0620 EA 200 Amperes, Fusible Main Disconnect Section.....	4,756.34	593.25
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0621	EA		400 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	6,539.14 182.00 334.00 97.00 245.00 108.00	761.48
26 24 19 00-0622	EA		600 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	12,628.28 182.00 334.00 97.00 245.00 108.00	1,186.49
26 24 19 00-0623	EA		800 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	14,585.99 182.00 334.00 97.00 245.00 108.00	1,186.49
26 24 19 00-0624	EA		1,200 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	20,382.59 182.00 334.00 97.00 245.00 108.00	1,342.61
26 24 19 00-0625 Circuit Breaker Combination Starters (26 24 19 00-0484)					
26 24 19 00-0626 Class I, Type A (26 24 19 00-0625)					
26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	916.07 141.72	248.57
26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,058.85 156.98	248.57
26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,522.64 211.11	352.64
26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,422.97 278.28	464.06
26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,210.84 347.86	580.38
26 24 19 00-0632 Class I, Type B (26 24 19 00-0625)					
26 24 19 00-0633	EA		Size 1, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	856.92 122.45	216.73
26 24 19 00-0634	EA		Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	995.21 137.89	216.73
26 24 19 00-0635	EA		Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,446.85 188.38	313.46
26 24 19 00-0636	EA		Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,345.67 255.09	424.88
26 24 19 00-0637	EA		Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,148.49 329.15	542.43
26 24 19 00-0638 Class I, Type C (26 24 19 00-0625)					
26 24 19 00-0639	EA		Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	887.20 110.91	200.81
26 24 19 00-0640	EA		Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,036.94 130.26	200.81
26 24 19 00-0641	EA		Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,528.88 180.07	299.99
26 24 19 00-0642	EA		Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,434.67 248.87	415.09
26 24 19 00-0643	EA		Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,227.23 318.87	532.64
26 24 19 00-0644 Class II, Type B (26 24 19 00-0625)					
26 24 19 00-0645	EA		Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	941.29 168.19	297.54
26 24 19 00-0646	EA		Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,259.84 187.80	297.54
26 24 19 00-0647	EA		Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,758.96 237.30	396.72
26 24 19 00-0648	EA		Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,797.44 306.11	508.15
26 24 19 00-0649	EA		Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,882.03 373.31	620.80
26 24 19 00-0650 Class II, Type C (26 24 19 00-0625)					
26 24 19 00-0651	EA		Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,129.94 161.11	281.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,289.06 175.93	281.62
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,846.55 230.16	384.47
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,877.46 297.20	495.90
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,978.41 368.81	612.22
26 24 19 00-0656 Fused Disconnect Combination Starter (26 24 19 00-0484)		
26 24 19 00-0657 Class I, Type A (26 24 19 00-0656)		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	844.15 137.89	228.97
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,253.29 187.80	313.46
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,939.87 244.89	407.74
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,662.38 343.94	571.82
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,503.55 437.30	728.55
26 24 19 00-0663 Class I, Type B (26 24 19 00-0656)		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	842.18 122.45	204.48
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,137.42 168.19	280.40
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,659.81 225.08	374.68
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,727.10 325.65	541.21
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,551.17 413.67	688.14
26 24 19 00-0669 Class I, Type C (26 24 19 00-0656)		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	876.79 114.65	191.02
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,181.38 156.98	259.58
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,778.87 218.65	361.22
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,845.00 318.87	532.64
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,321.74 408.15	680.79
26 24 19 00-0675 Class II, Type B (26 24 19 00-0656)		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,079.34 171.97	286.52
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,386.47 214.07	357.54
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,976.69 275.78	460.39
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,144.76 373.31	620.80
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,221.14 463.81	775.07
26 24 19 00-0681 Class II, Type C (26 24 19 00-0656)		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,103.74 161.11	269.37
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,430.00 202.73	337.95
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,070.18 263.89	439.57
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,248.25 364.42	606.10
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,316.17 450.16	750.58
26 24 19 00-0687 Space Complete With Bus And Hardware (26 24 19 00-0484)		
26 24 19 00-0688 Circuit Breaker Type (26 24 19 00-0687)		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	267.46	83.26
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	267.46	83.26
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	396.33	121.22

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards and Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	478.89	159.18
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	789.87	242.44
26 24 19 00-0694 Fused Disconnect Type (26 24 19 00-0687)		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	267.46	83.26
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	360.69	121.22
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	496.33	159.18
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	838.53	242.44
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,176.96	352.64
26 24 19 00-0700 Blank Space For Future Expansion (26 24 19 00-0687)		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	101.55	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	101.55	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	153.96	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	153.96	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	306.28	
26 24 19 00-0706 Structure Combination Of Starters To 72" High (26 24 19 00-0687)		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High.....	2,939.67	644.43
26 24 19 00-0708 Motor Control Center Basic Distribution Section (26 24 19 00-0484)		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway.....	5,250.26	1,678.23
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710 EA 25" To 35" Wide Basic Section (No Vertical Wireway).....	5,250.26	1,678.23
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway.....	5,696.50	1,678.23
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712 EA Corner Section.....	5,696.50	1,678.23
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484)		
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,247.84	235.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.41	
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,388.39	261.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.85	
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker.....	2,348.72	351.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.87	
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker.....	3,380.14	463.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	278.03	
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker.....	7,432.09	579.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	347.46	
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker.....	16,938.55	579.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	347.46	
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,240.30	203.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	122.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,398.64 137.75	229.58
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,375.08 188.07	313.46
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,360.08 254.95	424.88
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,427.93 329.15	548.55
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,036.68 329.15	548.55
26 24 19 00-0727			Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,951.29 176.95	294.97
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,373.57 195.81	326.31
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,854.82 263.13	438.60
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,531.46 347.86	579.77
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,611.16 435.23	725.36
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,956.11 152.80	254.69
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,397.56 172.29	287.13
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,893.42 235.47	392.44
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,520.13 318.87	531.41
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,618.39 411.81	686.30
26 24 19 00-0738			Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,121.90 176.95	294.97
26 24 19 00-0740	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,966.16 195.81	326.31
26 24 19 00-0741	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,496.09 263.13	438.60
26 24 19 00-0742	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,474.36 347.86	579.77
26 24 19 00-0743	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,733.32 435.23	725.36
26 24 19 00-0744	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,126.72 152.80	254.69
26 24 19 00-0745	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,990.15 172.29	287.13
26 24 19 00-0746	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,534.69 235.47	392.44
26 24 19 00-0747	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,463.04 318.87	531.41
26 24 19 00-0748	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,740.55 411.81	686.30
26 24 19 00-0749			Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small>		
			Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750			FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751	EA		Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,029.47	229.82
26 24 19 00-0752	EA		Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,349.24	312.36
26 24 19 00-0753	EA		Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,184.70	407.01
26 24 19 00-0754	EA		Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	3,619.19	573.28
26 24 19 00-0755	EA		Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	7,029.79	728.79
26 24 19 00-0756	EA		Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	17,179.94	728.79
26 24 19 00-0757	EA		Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,032.80	203.75
26 24 19 00-0758	EA		Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,358.07	279.79
26 24 19 00-0759	EA		Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,223.20	375.17
26 24 19 00-0760	EA		Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	3,615.08	542.80
26 24 19 00-0761	EA		Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	7,007.88	689.48
26 24 19 00-0762	EA		Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	17,260.39	689.48
26 24 19 00-0763			Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,711.66	287.74
26 24 19 00-0765	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,378.94	390.47
26 24 19 00-0766	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,628.46	508.51
26 24 19 00-0767	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,407.36	718.63
26 24 19 00-0768	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	11,863.93	840.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0769	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,730.15	254.69
26 24 19 00-0770	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,399.29	349.46
26 24 19 00-0771	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,681.26	469.45
26 24 19 00-0772	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,409.99	677.24
26 24 19 00-0773	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	11,853.38	793.07
26 24 19 00-0774			Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,968.71	287.74
26 24 19 00-0776	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,980.62	390.47
26 24 19 00-0777	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,286.79	508.51
26 24 19 00-0778	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,753.13	718.63
26 24 19 00-0779	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	14,351.42	840.95
26 24 19 00-0780	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,987.96	254.69
26 24 19 00-0781	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,000.98	349.46
26 24 19 00-0782	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,339.59	469.45
26 24 19 00-0783	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,755.76	677.24
26 24 19 00-0784	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	14,340.87	793.07
26 24 19 00-0785			Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small>		
			Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA		600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	203.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 24 19 00-0787	EA		800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	247.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.20	
26 24 19 00-0788	EA		1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	297.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.05	
26 24 19 00-0789	EA		1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	384.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.05	
26 24 19 00-0790	EA		2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	638.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.89	
26 24 19 00-0791	EA		1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	118.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 24 19 00-0792			Disconnect Switch For Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0793			3 Pole Circuit Breaker Disconnect For Motor Control Center <small>(26 24 19 00-0792)</small>		
			Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA		150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	867.20	176.93
26 24 19 00-0795	EA		150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,474.33	195.91
26 24 19 00-0796	EA		225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,808.11	263.87
26 24 19 00-0797	EA		400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,965.93	347.74
26 24 19 00-0798	EA		600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,061.03	434.68
26 24 19 00-0799	EA		800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,750.09	434.68
26 24 19 00-0800	EA		1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	11,712.45	544.27
26 24 19 00-0801			Fusible Disconnect Switch For Motor Control Center <small>(26 24 19 00-0792)</small>		
			Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA		30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	719.40	172.03
26 24 19 00-0803	EA		60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	867.08	234.48
26 24 19 00-0804	EA		100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,175.51	299.99
26 24 19 00-0805	EA		200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,114.17	429.78
26 24 19 00-0806	EA		400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	3,626.25	546.59
26 24 19 00-0807	EA		600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	7,902.87	546.59
26 24 19 00-0808	EA		800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	9,774.23	683.24
26 24 19 00-0809	EA		1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	14,251.04	683.24
26 24 19 00-0810			Control Circuit Transformer <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA		Control Circuit Transformer, Size 1 Factory Installed.....	54.17	
26 24 19 00-0812	EA		Control Circuit Transformer, Size 2 Factory Installed.....	54.17	
26 24 19 00-0813	EA		Control Circuit Transformer, Size 3 Factory Installed.....	104.34	
26 24 19 00-0814	EA		Control Circuit Transformer, Size 4 Factory Installed.....	104.34	
26 24 19 00-0815	EA		Control Circuit Transformer, Size 5 Factory Installed.....	144.95	
26 24 19 00-0816	EA		Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	49.26	13.87
26 24 19 00-0817			Cover Mounted Control Devices <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818	EA		Control Device, 2 Unit Push Button Station Cover Mounted.....	105.19	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.31	
26 24 19 00-0819	EA		Control Device, 2-3 Unit Selector Switch Cover Mounted.....	119.95	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.13	
26 24 19 00-0820	EA		Control Device, Pilot Light Cover Mounted.....	96.41	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 24 19 00-0821	EA		Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	279.64	83.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0822 EA Auxiliary Contact Add Per Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	296.65 19.03	31.71
26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484) Note: Per contact.		
26 24 19 00-0824 EA Extra Interlocks, Class I, Type A Per Contact <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.93 11.47	15.92
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.58 11.47	15.92
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.82 9.56	15.92
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.92 7.65	15.92
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.72 5.78	15.92
26 24 19 00-0829 Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830 EA Provisions For Bus Duct Entrance Special Cabinet Provisions	678.19	
26 24 19 00-0831 Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832 EA Special Cabinet Nameplate Requirements	24.08	
26 24 19 00-0833 Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834 EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.55 18.41	30.68
26 24 19 00-0835 EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.30 18.41	27.62
26 24 19 00-0836 EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.24 18.41	27.62
26 24 19 00-0837 Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838 Lighting Transformer With Circuit Breaker (26 24 19 00-0837) Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839 EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,159.04	392.82
26 24 19 00-0840 EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,324.23	408.54
26 24 19 00-0841 EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,727.08	439.96
26 24 19 00-0842 EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,893.94	471.40
26 24 19 00-0843 EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,847.17	502.82
26 24 19 00-0844 EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,608.71	565.67
26 24 19 00-0845 EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,557.41	628.53
26 24 19 00-0846 EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,424.35	518.53
26 24 19 00-0847 EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,067.55	565.67
26 24 19 00-0848 EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,216.07	628.53
26 24 19 00-0849 EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,791.84	691.37
26 24 19 00-0850 EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,766.56	754.23
26 24 19 00-0851 EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,163.98	817.08
26 24 19 00-0852 Bolt-On Lighting Panel (26 24 19 00-0837) Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853 EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,010.11	637.20
26 24 19 00-0854 EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,196.36	1,109.10
26 24 19 00-0855 EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	4,262.11	1,500.56
26 24 19 00-0856 EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,114.60	689.48
26 24 19 00-0857 EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,149.17	1,085.47
26 24 19 00-0858 EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	4,449.68	1,594.35
26 24 19 00-0859 EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,211.46	739.08
26 24 19 00-0860 EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,385.01	1,186.49
26 24 19 00-0861 EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,539.31	1,594.35
26 24 19 00-0862 EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,327.70	797.12
26 24 19 00-0863 EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,385.01	1,186.49
26 24 19 00-0864 EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,642.16	1,645.78
26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837) Note: For MCC lighting panel only.		
26 24 19 00-0866 EA 15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker	20.59	
26 24 19 00-0867 EA 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	209.01	
26 24 19 00-0868 EA 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	40.24	
26 24 19 00-0869 EA 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	92.65	
26 24 19 00-0870 EA 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	108.56	
26 24 19 00-0871 EA 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	164.71	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0872 Blank Unit Door (BUD) (26 24 19 00-0837)

Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	55.74	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	66.88	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	100.32	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	133.77	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	200.65	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	234.09	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	267.53	

26 25 Enclosed Bus Assemblies (26 20)

26 25 13 Low-Voltage Busways (26 25)

26 25 13 00-0001 Plug-In Bus Duct (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0001)

26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	283.23	36.73
		<i>For Up To 25, Add</i>	70.81	
		<i>For >25 To 50, Add</i>	42.48	
		<i>For >50 To 100, Add</i>	21.24	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	398.80	36.73
		<i>For Up To 25, Add</i>	99.70	
		<i>For >25 To 50, Add</i>	59.82	
		<i>For >50 To 100, Add</i>	29.91	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	504.36	48.98
		<i>For Up To 25, Add</i>	126.09	
		<i>For >25 To 50, Add</i>	75.65	
		<i>For >50 To 100, Add</i>	37.83	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	693.46	48.98
		<i>For Up To 25, Add</i>	173.37	
		<i>For >25 To 50, Add</i>	104.02	
		<i>For >50 To 100, Add</i>	52.01	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	731.75	61.22
		<i>For Up To 25, Add</i>	182.94	
		<i>For >25 To 50, Add</i>	109.76	
		<i>For >50 To 100, Add</i>	54.88	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,015.85	61.22
		<i>For Up To 25, Add</i>	253.96	
		<i>For >25 To 50, Add</i>	152.38	
		<i>For >50 To 100, Add</i>	76.19	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,187.06	64.28
		<i>For Up To 25, Add</i>	296.77	
		<i>For >25 To 50, Add</i>	178.06	
		<i>For >50 To 100, Add</i>	89.03	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,442.58	66.12
		<i>For Up To 25, Add</i>	360.65	
		<i>For >25 To 50, Add</i>	216.39	
		<i>For >50 To 100, Add</i>	108.19	
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,777.68	69.79
		<i>For Up To 25, Add</i>	444.42	
		<i>For >25 To 50, Add</i>	266.65	
		<i>For >50 To 100, Add</i>	133.33	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,052.80	81.43
		<i>For Up To 25, Add</i>	513.20	
		<i>For >25 To 50, Add</i>	307.92	
		<i>For >50 To 100, Add</i>	153.96	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,374.39	88.77
		<i>For Up To 25, Add</i>	593.60	
		<i>For >25 To 50, Add</i>	356.16	
		<i>For >50 To 100, Add</i>	178.08	
26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors		<small>(26 25 13 00-0001)</small>		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	458.06	36.73
		<i>For Up To 25, Add</i>	114.52	
		<i>For >25 To 50, Add</i>	68.71	
		<i>For >50 To 100, Add</i>	34.35	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	659.04	36.73
		<i>For Up To 25, Add</i>	164.76	
		<i>For >25 To 50, Add</i>	98.86	
		<i>For >50 To 100, Add</i>	49.43	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	745.15	48.98
		<i>For Up To 25, Add</i>	186.29	
		<i>For >25 To 50, Add</i>	111.77	
		<i>For >50 To 100, Add</i>	55.89	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	945.81	48.98
		<i>For Up To 25, Add</i>	236.45	
		<i>For >25 To 50, Add</i>	141.87	
		<i>For >50 To 100, Add</i>	70.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0019 LF 1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,152.49	61.22
For Up To 25, Add	288.12	
For >25 To 50, Add	172.87	
For >50 To 100, Add	86.44	
26 25 13 00-0020 LF 1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,490.48	61.22
For Up To 25, Add	372.62	
For >25 To 50, Add	223.57	
For >50 To 100, Add	111.79	
26 25 13 00-0021 LF 1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,924.99	63.43
For Up To 25, Add	481.25	
For >25 To 50, Add	288.75	
For >50 To 100, Add	144.37	
26 25 13 00-0022 LF 2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,316.10	66.12
For Up To 25, Add	579.03	
For >25 To 50, Add	347.42	
For >50 To 100, Add	173.71	
26 25 13 00-0023 LF 2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,869.68	69.18
For Up To 25, Add	717.42	
For >25 To 50, Add	430.45	
For >50 To 100, Add	215.23	
26 25 13 00-0024 LF 3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,312.83	81.43
For Up To 25, Add	828.21	
For >25 To 50, Add	496.92	
For >50 To 100, Add	248.46	
26 25 13 00-0025 LF 4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,838.95	88.77
For Up To 25, Add	959.74	
For >25 To 50, Add	575.84	
For >50 To 100, Add	287.92	
26 25 13 00-0026 Cable Tap Boxes <small>(26 25 13 00-0001)</small>		
26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 13 00-0026)</small>		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,300.29	171.42
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,380.76	171.42
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,575.90	232.64
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,743.58	232.64
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,944.08	306.11
26 25 13 00-0033 EA 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,226.18	306.11
26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 13 00-0026)</small>		
26 25 13 00-0035 EA 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,380.76	336.73
26 25 13 00-0036 EA 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,589.95	336.73
26 25 13 00-0037 EA 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,770.44	459.17
26 25 13 00-0038 EA 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,113.56	459.17
26 25 13 00-0039 EA 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,277.89	612.22
26 25 13 00-0040 EA 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,727.88	612.22
26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker <small>(26 25 13 00-0001)</small>		
26 25 13 00-0042 240 Volt, 3-Phase <small>(26 25 13 00-0041)</small>		
26 25 13 00-0043 EA 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,042.18	122.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.98	
26 25 13 00-0044 EA 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,061.88	122.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.99	
26 25 13 00-0045 600 Volt, 3-Phase <small>(26 25 13 00-0041)</small>		
26 25 13 00-0046 EA 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	1,998.53	122.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.98	
26 25 13 00-0047 EA 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	3,588.39	122.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.99	
26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire <small>(26 25 13 00-0041)</small>		
26 25 13 00-0049 EA 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,200.00	146.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.53	
26 25 13 00-0050 EA 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,434.59	146.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.66	
26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire <small>(26 25 13 00-0041)</small>		
26 25 13 00-0052 EA 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,370.83	146.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.53	
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,103.53	146.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.66	
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,092.55	508.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	220.22	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,369.55	508.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	478.30	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0056	EA		600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,265.55 665.46	1,469.34
26 25 13 00-0057	EA		800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,425.41 1,177.35	1,469.34
26 25 13 00-0058			Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)		
26 25 13 00-0059			240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0060	EA		30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,039.83	122.44
26 25 13 00-0061	EA		60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,143.31	122.44
26 25 13 00-0062	EA		100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,578.15	146.93
26 25 13 00-0063	EA		200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,664.78	293.86
26 25 13 00-0064	EA		400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,721.06	661.20
26 25 13 00-0065	EA		600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,069.37	1,150.98
26 25 13 00-0066			600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0067	EA		30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,079.56	134.69
26 25 13 00-0068	EA		60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,180.48	134.69
26 25 13 00-0069	EA		100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,590.02	134.69
26 25 13 00-0070	EA		200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,728.30	281.62
26 25 13 00-0071	EA		400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	6,688.36	636.71
26 25 13 00-0072	EA		600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,301.27	1,224.45
26 25 13 00-0073	EA		800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	16,856.31	1,591.78
26 25 13 00-0074			120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)		
26 25 13 00-0075	EA		30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,202.93	159.18
26 25 13 00-0076	EA		60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,293.45	159.18
26 25 13 00-0077	EA		100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,748.63	159.18
26 25 13 00-0078	EA		200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,963.85	330.61
26 25 13 00-0079	EA		400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,379.24	734.67
26 25 13 00-0080	EA		600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,744.60	1,126.49
26 25 13 00-0081			277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0082	EA		30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,242.22	159.18
26 25 13 00-0083	EA		60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,332.73	135.05
26 25 13 00-0084	EA		100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,864.50	183.66
26 25 13 00-0085	EA		200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,087.85	330.61
26 25 13 00-0086	EA		400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	7,379.24	734.67
26 25 13 00-0087	EA		600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	10,744.60	1,126.49
26 25 13 00-0088	EA		800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	16,980.90	1,493.82
26 25 16 Low-Voltage Cablebus Systems (26 25)					
26 25 16 00-0001			Feeder Bus Duct (26 25 16) Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 16 00-0002			600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001) Note: Copper conductors.		
26 25 16 00-0003	LF		800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	829.12	51.43
			<i>For Up To 25, Add</i>	207.28	
			<i>For >25 To 50, Add</i>	124.37	
			<i>For >50 To 100, Add</i>	62.18	
26 25 16 00-0004	LF		1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	840.78	51.43
			<i>For Up To 25, Add</i>	210.20	
			<i>For >25 To 50, Add</i>	126.12	
			<i>For >50 To 100, Add</i>	63.06	
26 25 16 00-0005	LF		1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,099.16	51.43
			<i>For Up To 25, Add</i>	274.79	
			<i>For >25 To 50, Add</i>	164.87	
			<i>For >50 To 100, Add</i>	82.44	
26 25 16 00-0006	LF		1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,319.32	51.43
			<i>For Up To 25, Add</i>	329.83	
			<i>For >25 To 50, Add</i>	197.90	
			<i>For >50 To 100, Add</i>	98.95	
26 25 16 00-0007	LF		2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,612.08	51.43
			<i>For Up To 25, Add</i>	403.02	
			<i>For >25 To 50, Add</i>	241.81	
			<i>For >50 To 100, Add</i>	120.91	
26 25 16 00-0008	LF		3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	2,200.11	122.44
			<i>For Up To 25, Add</i>	550.03	
			<i>For >25 To 50, Add</i>	330.02	
			<i>For >50 To 100, Add</i>	165.01	
26 25 16 00-0009	LF		4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	3,039.56	122.44
			<i>For Up To 25, Add</i>	759.89	
			<i>For >25 To 50, Add</i>	455.93	
			<i>For >50 To 100, Add</i>	227.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0010 LF 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,596.21	122.44
<i>For Up To 25, Add</i>	899.05	
<i>For >25 To 50, Add</i>	539.43	
<i>For >50 To 100, Add</i>	269.72	
26 25 16 00-0011 LF 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,428.54	122.44
<i>For Up To 25, Add</i>	1,107.14	
<i>For >25 To 50, Add</i>	664.28	
<i>For >50 To 100, Add</i>	332.14	
26 25 16 00-0012 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 16 00-0001)</small>		
<i>Note: Low impedance, copper conductors.</i>		
26 25 16 00-0013 LF 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	949.88	55.10
<i>For Up To 25, Add</i>	237.47	
<i>For >25 To 50, Add</i>	142.48	
<i>For >50 To 100, Add</i>	71.24	
26 25 16 00-0014 LF 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	965.28	55.10
<i>For Up To 25, Add</i>	241.32	
<i>For >25 To 50, Add</i>	144.79	
<i>For >50 To 100, Add</i>	72.40	
26 25 16 00-0015 LF 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,241.10	55.10
<i>For Up To 25, Add</i>	310.28	
<i>For >25 To 50, Add</i>	186.17	
<i>For >50 To 100, Add</i>	93.08	
26 25 16 00-0016 LF 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,471.21	55.10
<i>For Up To 25, Add</i>	367.80	
<i>For >25 To 50, Add</i>	220.68	
<i>For >50 To 100, Add</i>	110.34	
26 25 16 00-0017 LF 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,776.85	55.10
<i>For Up To 25, Add</i>	444.21	
<i>For >25 To 50, Add</i>	266.53	
<i>For >50 To 100, Add</i>	133.26	
26 25 16 00-0018 LF 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,729.12	94.28
<i>For Up To 25, Add</i>	682.28	
<i>For >25 To 50, Add</i>	409.37	
<i>For >50 To 100, Add</i>	204.68	
26 25 16 00-0019 LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,422.73	94.28
<i>For Up To 25, Add</i>	855.68	
<i>For >25 To 50, Add</i>	513.41	
<i>For >50 To 100, Add</i>	256.70	
26 25 16 00-0020 LF 5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,050.07	175.09
<i>For Up To 25, Add</i>	1,012.52	
<i>For >25 To 50, Add</i>	607.51	
<i>For >50 To 100, Add</i>	303.76	
26 25 16 00-0021 LF 6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,993.48	175.09
<i>For Up To 25, Add</i>	1,248.37	
<i>For >25 To 50, Add</i>	749.02	
<i>For >50 To 100, Add</i>	374.51	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003 EA 100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	276.63	79.59
26 27 13 00-0004 EA 100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	293.16	79.59
26 27 13 00-0005 EA 150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	327.15	88.77
26 27 13 00-0006 EA 150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	337.76	88.77
26 27 13 00-0007 EA 200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	377.66	97.95
26 27 13 00-0008 EA 200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	382.36	97.95
26 27 13 00-0009 EA 200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	982.52	155.50
26 27 13 00-0010 EA 320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,253.95	173.87
26 27 13 00-0011 EA 400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,718.58	192.24
26 27 13 00-0012 EA Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,785.44	612.22

26 27 13 00-0013 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014 EA 100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	272.62	24.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.06	
26 27 13 00-0015 EA 150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	322.17	25.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.25	
26 27 13 00-0016 EA 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	393.95	25.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.43	
26 27 13 00-0017 EA 200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	767.41	26.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 27 13 00-0018 EA 320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,074.45	27.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57	
26 27 13 00-0019 EA 400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,742.19	30.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.41	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0020 Current Transformer Enclosure <small>(26 27 13 00-0001)</small>		
26 27 13 00-0021 EA 18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure.....	572.75	159.18
26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0022)</small>		
26 27 13 00-0024 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,061.96	76.53
26 27 13 00-0025 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,397.32	91.83
26 27 13 00-0026 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,730.90	107.14
26 27 13 00-0027 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,005.68	122.44
26 27 13 00-0028 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,610.15	137.75
26 27 13 00-0029 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,818.98	153.05
26 27 13 00-0030 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,290.12	183.66
26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole <small>(26 27 13 00-0022)</small>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,953.06	76.53
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,571.79	91.83
26 27 13 00-0034 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,541.94	122.44
26 27 13 00-0035 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,928.97	137.75
26 27 13 00-0036 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,939.77	153.05
26 27 13 00-0037 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0022)</small>		
26 27 13 00-0038 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,625.76	107.14
26 27 13 00-0039 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,134.00	122.44
26 27 13 00-0040 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,610.15	137.75
26 27 13 00-0041 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,068.49	153.05
26 27 13 00-0042 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,865.43	168.36
26 27 13 00-0043 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,056.46	183.66
26 27 13 00-0044 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,026.57	214.28
26 27 13 00-0045 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0022)</small>		
26 27 13 00-0046 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,513.28	107.14
26 27 13 00-0047 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,292.42	122.44
26 27 13 00-0048 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,636.80	153.05
26 27 13 00-0049 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,970.38	168.36
26 27 13 00-0050 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,355.43	183.66
26 27 13 00-0051 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0052 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0051)</small>		
26 27 13 00-0053 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,156.73	91.83
26 27 13 00-0054 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,511.70	107.14
26 27 13 00-0055 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,864.89	122.44
26 27 13 00-0056 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,164.61	137.75
26 27 13 00-0057 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,658.59	153.05
26 27 13 00-0058 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,867.41	168.36
26 27 13 00-0059 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,534.60	198.97
26 27 13 00-0060 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0051)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,054.96	91.83
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,709.34	107.14
26 27 13 00-0063 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,911.14	137.75
26 27 13 00-0064 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,298.19	153.05
26 27 13 00-0065 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,202.11	168.36
26 27 13 00-0066 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0051)</small>		
26 27 13 00-0067 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,720.55	122.44
26 27 13 00-0068 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,235.92	137.75
26 27 13 00-0069 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,765.55	153.05
26 27 13 00-0070 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,223.89	168.36
26 27 13 00-0071 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,056.51	183.66
26 27 13 00-0072 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,247.48	198.97
26 27 13 00-0073 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,288.92	229.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0074 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0051)</small>		
26 27 13 00-0075 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,633.03	122.44
26 27 13 00-0076 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,465.62	137.75
26 27 13 00-0077 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,970.42	168.36
26 27 13 00-0078 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,197.05	183.66
26 27 13 00-0079 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,599.95	198.97
 26 27 13 00-0080 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0081 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0080)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,061.96	76.53
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,397.32	91.83
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,005.68	122.44
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,610.15	137.75
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,228.88	153.05
 26 27 13 00-0087 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0080)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,953.05	76.53
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,571.78	91.83
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,720.14	122.44
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,107.18	137.75
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,939.77	153.05
 26 27 13 00-0093 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0080)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,625.76	107.14
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,134.00	122.44
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,068.49	153.05
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,865.43	168.36
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,056.46	183.66
 26 27 13 00-0099 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0080)</small>		
26 27 13 00-0100 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,513.30	107.14
26 27 13 00-0101 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,292.42	122.44
26 27 13 00-0102 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,636.80	153.05
26 27 13 00-0103 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,970.38	168.36
26 27 13 00-0104 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,355.47	183.66
 26 27 13 00-0105 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0106 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0105)</small>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,156.73	91.83
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,511.70	107.14
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,164.61	137.75
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,836.80	153.05
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,223.85	168.36
 26 27 13 00-0112 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0105)</small>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,054.95	91.83
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,709.32	107.14
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,732.93	137.75
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,119.97	153.05
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,202.07	168.36
 26 27 13 00-0118 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0105)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,720.53	122.44
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,235.90	137.75
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,223.85	168.36
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,056.46	183.66
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,247.48	198.97

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 13 00-0124		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0105)</small>		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,633.01	122.44
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,465.60	137.75
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,970.38	168.36
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,197.05	183.66
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,599.95	198.97
26 27 13 00-0130		Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	1,220.76	73.47
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure.....	3,439.38	146.93
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,827.20	110.20
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,234.22	110.20
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	1,886.99	110.20
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,277.41	101.63
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	2,184.00	183.66
26 27 13 00-0138		Watt/Hour Meter Systems <small>(26 27 13)</small>		
		Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0138)</small>		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	5,601.22	734.79
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	6,561.78	734.79
26 27 13 00-0142		Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0138)</small>		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	9,818.55	734.79
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	11,913.10	734.79
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,801.38	734.79
26 27 16		Electrical Cabinets and Enclosures <small>(26 27)</small>		
		Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	78.66	24.49
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	88.30	26.94
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	98.06	29.39
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	114.48	34.28
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	124.80	36.73
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	135.90	39.18
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	135.50	39.18
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	146.89	41.63
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	158.87	44.08
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	205.75	58.77
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	249.63	71.01
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	236.95	68.57
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	98.84	29.39
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	120.24	34.28
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	143.42	41.63
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	155.10	44.08
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	167.03	46.53
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	179.52	48.98
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	227.71	63.67
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	275.87	78.37
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	265.97	75.92
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	346.54	97.95
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	447.09	112.65
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	512.00	122.44
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	571.13	129.80
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	624.16	134.69
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	419.61	97.95
26 27 16 00-0032		Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0033		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	53.87	17.15
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	76.98	24.49
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	85.89	26.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0038 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	60.18	19.59
26 27 16 00-0039 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	74.59	24.49
26 27 16 00-0040 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	83.35	26.94
26 27 16 00-0041 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.28	29.39
26 27 16 00-0042 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	107.67	34.28
26 27 16 00-0043 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	117.01	36.73
26 27 16 00-0044 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	126.85	39.18
26 27 16 00-0045 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	126.47	39.18
26 27 16 00-0046 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	136.75	41.63
26 27 16 00-0047 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	147.33	44.08
26 27 16 00-0048 EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	192.62	58.77
26 27 16 00-0049 EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	238.63	73.47
26 27 16 00-0050 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	221.39	68.57
26 27 16 00-0051 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	286.83	88.16
26 27 16 00-0052 EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	415.56	110.20
26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0054 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.81	29.39
26 27 16 00-0055 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	102.43	31.83
26 27 16 00-0056 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	118.05	36.73
26 27 16 00-0057 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	134.03	41.63
26 27 16 00-0058 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	144.45	44.08
26 27 16 00-0059 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	154.99	46.53
26 27 16 00-0060 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	165.96	48.98
26 27 16 00-0061 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	212.42	63.67
26 27 16 00-0062 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	260.98	78.37
26 27 16 00-0063 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	247.92	75.92
26 27 16 00-0064 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	322.41	97.95
26 27 16 00-0065 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	403.48	112.65
26 27 16 00-0066 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	462.99	122.44
26 27 16 00-0067 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	500.08	129.80
26 27 16 00-0068 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	547.63	134.69
26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0070 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	134.03	41.63
26 27 16 00-0071 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	183.10	53.88
26 27 16 00-0072 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	232.75	68.57
26 27 16 00-0073 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	288.84	85.71
26 27 16 00-0074 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	275.93	83.26
26 27 16 00-0075 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	341.86	102.86
26 27 16 00-0076 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	381.00	117.55
26 27 16 00-0077 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	442.89	124.89
26 27 16 00-0078 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	510.58	134.69
26 27 16 00-0079 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	543.37	142.04
26 27 16 00-0080 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	571.06	146.93
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	586.51	146.93
26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	313.29	93.06
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	412.53	119.99
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	417.06	127.34
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	543.44	137.14
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	625.92	151.83
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	695.63	156.72
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	742.32	164.08
26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	455.46	132.24
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	452.96	139.59
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	597.42	151.83
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	683.17	166.53
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	767.69	173.87
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	809.89	181.21
26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable <small>(26 27 16)</small>		
26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures <small>(26 27 16 00-0097)</small>		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,221.30	107.75



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 16 00-0100		NEMA 12 Enclosures, Lockable <small>(26 27 16)</small> Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0101)</small>		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	114.92	19.59
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	149.36	26.94
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	184.59	34.28
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	199.92	36.73
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	224.84	39.18
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	242.32	41.63
26 27 16 00-0109		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0101)</small>		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	165.93	29.39
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	182.93	31.83
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	230.53	19.59
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	275.97	26.94
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	312.26	29.39
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	357.14	34.28
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	367.09	36.73
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	434.22	39.18
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	466.32	41.63
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	531.16	44.08
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	336.55	29.39
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	380.69	31.83
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	414.63	36.73
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	490.30	44.08
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	532.27	48.98
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	739.87	63.67
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,146.65	97.95
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,504.51	112.65
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,697.01	122.44
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,567.57	124.89
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,808.05	134.69
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,988.43	142.04
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,193.91	146.93
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,163.37	146.93
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	6,964.68	198.97
26 27 16 00-0141		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,029.60	220.40
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,065.88	235.70
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,276.15	293.86
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,355.52	346.52
26 27 16 00-0146		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,483.59	346.52
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,344.90	367.34
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,481.50	391.83
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,468.20	391.83
26 27 16 00-0151		NEMA 3 Enclosures, Lockable <small>(26 27 16)</small> Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0153 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	319.30	85.71
26 27 16 00-0154 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0155 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	342.70	85.71
26 27 16 00-0156 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	437.41	88.77
26 27 16 00-0157 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	453.33	88.77
26 27 16 00-0158 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	569.06	91.83
26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0160 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	433.10	88.77
26 27 16 00-0161 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	474.74	88.77
26 27 16 00-0162 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	494.85	91.83
26 27 16 00-0163 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	622.75	91.83
26 27 16 00-0164 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	684.51	97.95
26 27 16 00-0165 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	736.78	104.08
26 27 16 00-0166 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	767.20	104.08
26 27 16 00-0167 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	911.99	107.14
26 27 16 00-0168 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	989.26	110.20
26 27 16 00-0169 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,353.82	122.44
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0171 EA 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	657.68	94.89
26 27 16 00-0172 EA 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	828.58	107.14
26 27 16 00-0173 EA 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	970.55	110.20
26 27 16 00-0174 EA 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,118.27	113.26
26 27 16 00-0175 EA 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,190.02	113.26
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,353.43	122.44
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,565.48	137.75
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,475.16	131.63
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,867.89	244.89
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,966.98	306.11
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,201.27	116.32
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,806.19	153.05
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,835.49	153.05
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,486.97	229.58
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,274.90	244.89
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	8,308.07	428.56
26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,366.45	306.11
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,714.37	367.34
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,522.26	336.73
26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16)		
Note: Rain-tight enclosures.		
26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	105.50	24.49
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	116.49	26.94
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	174.59	29.39
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	219.82	36.73
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	245.52	41.63
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	288.56	46.53
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	312.22	48.98
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	406.52	63.67
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	485.67	78.37
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	553.01	97.95
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	844.81	124.89
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	937.74	134.69
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,057.59	142.04

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,112.87	146.93
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,048.17	151.83
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,184.07	171.42
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,310.83	189.79
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,444.27	209.38
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,572.26	227.75
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	678.01	119.99
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,048.17	151.83
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,245.85	156.72
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,582.68	171.42
26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,022.13	121.22
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,146.02	135.92
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,268.69	150.60
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,403.32	166.53
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,527.22	181.21
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	763.60	90.61
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,022.13	121.22
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,146.02	135.92
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,349.42	159.18
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,527.22	181.21
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,450.18	178.77
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,527.22	181.21
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,609.72	186.12
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,795.45	195.91
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,948.72	205.71
26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0240 EA 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	75.66	19.59
26 27 16 00-0241 EA 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	91.25	24.49
26 27 16 00-0242 EA 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	100.78	26.94
26 27 16 00-0243 EA 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	111.88	29.39
26 27 16 00-0244 EA 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	129.87	34.28
26 27 16 00-0245 EA 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	141.71	36.73
26 27 16 00-0246 EA 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	154.64	39.18
26 27 16 00-0247 EA 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	153.91	39.18
26 27 16 00-0248 EA 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	168.54	41.63
26 27 16 00-0249 EA 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	181.47	44.08
26 27 16 00-0250 EA 18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	273.65	68.57
26 27 16 00-0251 EA 18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	365.88	88.16
26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0253 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	104.59	29.39
26 27 16 00-0254 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	143.68	36.73
26 27 16 00-0255 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	162.76	41.63
26 27 16 00-0256 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	176.70	44.08
26 27 16 00-0257 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	175.62	44.08
26 27 16 00-0258 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	190.44	46.53
26 27 16 00-0259 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	205.38	48.98
26 27 16 00-0260 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	268.12	63.67
26 27 16 00-0261 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	307.94	75.92
26 27 16 00-0262 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	411.83	97.95
26 27 16 00-0263 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	429.06	105.31
26 27 16 00-0264 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	492.59	112.65
26 27 16 00-0265 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	556.12	122.44
26 27 16 00-0266 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0267 EA 12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	230.17	53.88
26 27 16 00-0268 EA 18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	331.84	83.26
26 27 16 00-0269 EA 18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	455.83	107.75
26 27 16 00-0270 EA 24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	544.99	124.89
26 27 16 00-0271 EA 24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	618.52	134.69
26 27 16 00-0272 EA 30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	689.30	142.04
26 27 16 00-0273 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0274 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	502.57	119.99
26 27 16 00-0275 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	679.07	151.83
26 27 16 00-0276 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	747.83	156.72



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0277				12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
	26 27 16 00-0278	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	750.53	166.53
	26 27 16 00-0279	EA		30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,059.85	181.21
	26 27 16 00-0280	EA		36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,095.69	186.12
	26 27 16 00-0281	EA		36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,287.68	195.91
26 27 16 00-0282				NEMA 4 Enclosures, Lockable (26 27 16) Note: Water-tight enclosures.		
26 27 16 00-0283				Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
	26 27 16 00-0284	EA		4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	111.77	17.15
	26 27 16 00-0285	EA		6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	130.58	20.82
	26 27 16 00-0286	EA		8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	163.35	26.94
	26 27 16 00-0287	EA		6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	155.52	26.94
	26 27 16 00-0288	EA		10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	207.91	36.73
	26 27 16 00-0289	EA		12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	258.90	44.08
	26 27 16 00-0290	EA		10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	239.24	41.63
	26 27 16 00-0291	EA		12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	278.93	48.98
	26 27 16 00-0292	EA		14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	328.12	56.32
	26 27 16 00-0293	EA		16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	397.94	71.01
26 27 16 00-0294				Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
	26 27 16 00-0295	EA		4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	102.68	17.15
	26 27 16 00-0296	EA		6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	146.44	26.94
26 27 16 00-0297				Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)		
	26 27 16 00-0298	EA		6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	129.06	23.51
	26 27 16 00-0299	EA		8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	137.15	25.46
	26 27 16 00-0300	EA		10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	168.50	33.31
	26 27 16 00-0301	EA		12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	196.90	36.73
	26 27 16 00-0302	EA		14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	254.51	46.53
	26 27 16 00-0303	EA		16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	297.55	55.10
	26 27 16 00-0304	EA		18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	419.76	88.16
26 27 16 00-0305				NEMA 4X Enclosures, Lockable (26 27 16) Note: Water-tight enclosures.		
26 27 16 00-0306				Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)		
	26 27 16 00-0307	EA		6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	221.53	19.59
	26 27 16 00-0308	EA		6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	261.41	26.94
	26 27 16 00-0309	EA		10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	331.51	36.73
	26 27 16 00-0310	EA		12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	402.43	44.08
	26 27 16 00-0311	EA		14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	496.27	56.32
	26 27 16 00-0312	EA		16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	586.33	71.01
26 27 16 00-0313				Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)		
	26 27 16 00-0314	EA		4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	330.57	17.15
				<i>For 316 Stainless Steel, Add</i>	46.03	
	26 27 16 00-0315	EA		6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	429.37	24.49
				<i>For 316 Stainless Steel, Add</i>	58.90	
	26 27 16 00-0316	EA		6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	486.75	26.94
				<i>For 316 Stainless Steel, Add</i>	67.11	
	26 27 16 00-0317	EA		8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	557.48	29.39
				<i>For 316 Stainless Steel, Add</i>	77.44	
	26 27 16 00-0318	EA		10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	684.50	36.73
				<i>For 316 Stainless Steel, Add</i>	94.83	
	26 27 16 00-0319	EA		12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	964.13	46.53
				<i>For 316 Stainless Steel, Add</i>	135.65	
	26 27 16 00-0320	EA		14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,202.39	56.32
				<i>For 316 Stainless Steel, Add</i>	169.85	
	26 27 16 00-0321	EA		16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,448.71	71.01
				<i>For 316 Stainless Steel, Add</i>	203.39	
26 27 16 00-0322				Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305) Note: NEMA 3R, 4, 4X and 12 rated.		
	26 27 16 00-0323	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	150.00	26.94
	26 27 16 00-0324	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	169.19	29.39
	26 27 16 00-0325	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	193.40	34.28
	26 27 16 00-0326	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	210.40	36.73
	26 27 16 00-0327	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	243.30	41.63
	26 27 16 00-0328	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	228.08	41.63
	26 27 16 00-0329	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	266.36	46.53
	26 27 16 00-0330	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	334.42	56.32
	26 27 16 00-0331	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	425.62	77.14
	26 27 16 00-0332	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	544.45	111.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0333 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	161.98	26.94
26 27 16 00-0334 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	183.34	29.39
26 27 16 00-0335 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	208.63	34.28
26 27 16 00-0336 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	228.88	36.73
26 27 16 00-0337 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	262.88	41.63
26 27 16 00-0338 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	246.58	41.63
26 27 16 00-0339 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	291.45	46.53
26 27 16 00-0340 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	347.47	56.32
26 27 16 00-0341 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	452.82	77.14
26 27 16 00-0342 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	573.80	111.05
26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	183.73	26.94
26 27 16 00-0345 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	196.39	29.39
26 27 16 00-0346 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	222.76	34.28
26 27 16 00-0347 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	240.85	36.73
26 27 16 00-0348 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	285.74	41.63
26 27 16 00-0349 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	261.81	41.63
26 27 16 00-0350 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	322.98	46.53
26 27 16 00-0351 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	383.38	56.32
26 27 16 00-0352 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	468.05	77.14
26 27 16 00-0353 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	599.91	111.05
26 27 16 00-0354 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	192.44	26.94
26 27 16 00-0355 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	212.69	29.39
26 27 16 00-0356 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	237.99	34.28
26 27 16 00-0357 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	257.16	36.73
26 27 16 00-0358 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	307.49	41.63
26 27 16 00-0359 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	280.29	41.63
26 27 16 00-0360 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	345.83	46.53
26 27 16 00-0361 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	394.25	56.32
26 27 16 00-0362 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	503.93	77.14
26 27 16 00-0363 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	637.99	111.05
26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable <small>(26 27 16)</small>		
Note: Nominal inside dimensions.		
26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0366 EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,416.28	137.75
For Mounting Pan, Add	60.39	
26 27 16 00-0367 EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,128.46	146.93
For Mounting Pan, Add	112.52	
26 27 16 00-0368 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,208.64	165.30
For Mounting Pan, Add	155.16	
26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0370 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,963.58	165.30
For Mounting Pan, Add	78.90	
26 27 16 00-0371 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,559.51	169.89
For Mounting Pan, Add	155.16	
26 27 16 00-0372 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,618.81	183.66
For Mounting Pan, Add	118.69	
26 27 16 00-0373 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,687.70	183.66
For Mounting Pan, Add	138.87	
26 27 16 00-0374 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,800.71	229.58
For Mounting Pan, Add	182.18	
26 27 16 00-0375 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,583.11	206.63
For Mounting Pan, Add	113.75	
26 27 16 00-0376 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,706.41	229.58
For Mounting Pan, Add	170.21	
26 27 16 00-0377 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,724.00	413.25
For Mounting Pan, Add	228.99	
26 27 16 00-0378 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,546.02	275.50
For Mounting Pan, Add	222.96	
26 27 16 00-0379 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,963.87	459.17
For Mounting Pan, Add	204.69	
26 27 16 00-0380 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,149.88	459.17
For Mounting Pan, Add	332.76	
26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0382 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,056.63	206.63
For Mounting Pan, Add	118.69	
26 27 16 00-0383 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,078.04	206.63
For Mounting Pan, Add	138.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0384 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,485.74 <i>182.18</i>	206.63
26 27 16 00-0385 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,862.63 <i>113.75</i>	229.58
26 27 16 00-0386 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,613.57 <i>170.21</i>	413.25
26 27 16 00-0387 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,830.94 <i>228.99</i>	505.09
26 27 16 00-0388 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,731.99 <i>344.38</i>	596.92
26 27 16 00-0389 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,150.03 <i>222.96</i>	505.09
26 27 16 00-0390 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,317.81 <i>204.69</i>	505.09
26 27 16 00-0391 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,416.70 <i>306.82</i>	551.00
26 27 16 00-0392 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,776.79 <i>332.76</i>	505.09
26 27 16 00-0393 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,390.47 <i>486.60</i>	551.00
26 27 16 00-0394 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,319.24 <i>648.70</i>	551.00
26 27 16 00-0395 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	16,023.39 <i>810.75</i>	734.67
26 27 16 00-0396 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	12,194.44 <i>753.86</i>	596.92
26 27 16 00-0397 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	22,096.67 <i>1,032.02</i>	918.33
26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,163.59 <i>344.38</i>	596.92
26 27 16 00-0400 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,276.35 <i>306.82</i>	551.00
26 27 16 00-0401 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,195.70 <i>486.60</i>	596.92
26 27 16 00-0402 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,144.71 <i>810.75</i>	642.84
26 27 16 00-0403 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	12,514.57 <i>753.86</i>	642.84
26 27 16 00-0404 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	24,073.88 <i>1,032.02</i>	918.33
26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,984.87 <i>228.99</i>	505.09
26 27 16 00-0407 Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409 EA NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	398.94	97.95
26 27 16 00-0410 EA NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	733.03	97.95
26 27 16 00-0411 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,806.62	134.69
26 27 16 00-0412 EA NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,448.80	146.93
26 27 16 00-0413 EA NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,785.98	146.93
26 27 16 00-0414 EA NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	629.26	134.69
26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0416 EA NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	636.76	134.69
26 27 16 00-0417 EA NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,171.76	134.69
26 27 16 00-0418 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	4,000.65	171.42
26 27 16 00-0419 EA NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	968.04	171.42
26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0421 EA NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	997.44	269.37
26 27 16 00-0422 EA NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	2,316.72	269.37
26 27 16 00-0423 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	6,779.95	342.85
26 27 16 00-0424 EA NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,655.63	342.85
26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0426 EA NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	1,953.54	514.27
26 27 16 00-0427 EA NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	3,347.92	514.27

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0428	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	12,199.08	661.20
26 27 16 00-0429	EA		NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	6,605.46	661.20
26 27 16 00-0430			250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0431	EA		NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	2,382.17	514.27
26 27 16 00-0432	EA		NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	4,025.77	514.27
26 27 16 00-0433	EA		NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	8,302.78	661.20
26 27 16 00-0434			Legend Plates (26 27 16)		
26 27 16 00-0435	EA		3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	22.70	6.12
26 27 16 00-0436	EA		3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	29.66	6.12
26 27 19			Multi-Outlet Assemblies (26 27)		
26 27 19 00-0001			Surface Metal Raceway, Preassembled With Outlets (26 27 19)		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF		Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center.....	28.52	8.94
			For Concrete Or Masonry Surface, Add	0.89	
26 27 19 00-0003	LF		Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center.....	22.02	6.37
			For Concrete Or Masonry Surface, Add	0.64	
26 27 19 00-0004	LF		Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center.....	20.84	6.73
			For Concrete Or Masonry Surface, Add	0.67	
26 27 19 00-0005	LF		Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center.....	22.81	6.37
			For Concrete Or Masonry Surface, Add	0.64	
26 27 19 00-0006	LF		Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center.....	18.73	6.49
			For Concrete Or Masonry Surface, Add	0.65	
26 27 19 00-0007	LF		Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center.....	25.41	6.37
			For Concrete Or Masonry Surface, Add	0.64	
26 27 19 00-0008	LF		Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center.....	22.57	6.37
			For Concrete Or Masonry Surface, Add	0.64	
26 27 19 00-0009	LF		Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center.....	24.28	6.37
			For Concrete Or Masonry Surface, Add	0.64	
26 27 23			Indoor Service Poles (26 27)		
26 27 23 00-0001			Communication And Power Poles (26 27 23)		
			Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002			Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003			2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004			2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005	EA		2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	319.83	54.26
26 27 23 00-0006	EA		2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	347.28	54.26
26 27 23 00-0007	EA		2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	379.02	54.26
26 27 23 00-0008			Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
			Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA		Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	65.47	11.19
26 27 23 00-0010	EA		Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	56.81	11.19
26 27 23 00-0011	EA		Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	64.27	11.19
26 27 23 00-0012	EA		Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	47.72	11.19
26 27 23 00-0013	EA		Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting.....	39.37	11.19
26 27 23 00-0014			2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015			2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016	EA		2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	413.96	54.26
26 27 23 00-0017	EA		2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	472.95	54.26
26 27 23 00-0018	EA		2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	504.79	54.26
26 27 23 00-0019			Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
			Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA		Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle.....	44.03	11.19
26 27 23 00-0021	EA		Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle.....	39.63	11.19
26 27 23 00-0022	EA		Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	42.78	11.19



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0023		3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	538.97	54.26
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	609.99	54.26
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	656.80	54.26
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle.....	44.03	11.19
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle.....	39.63	11.19
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	42.78	11.19
26 27 23 00-0032		Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	432.43	54.26
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	482.08	54.26
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	537.74	54.26
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	67.17	11.19
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	68.57	11.19
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	73.23	11.19
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	50.34	11.19
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....	39.37	11.19
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	416.93	54.26
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	467.85	54.26
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	527.84	54.26
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	870.49	54.26
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	995.38	54.26
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,135.25	54.26
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	473.84	54.26
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	448.67	54.26
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	574.28	54.26
26 27 26		Wiring Devices <small>(26 27)</small>		
		Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002		General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003		Receptacle Assemblies <small>(26 27 26 00-0002)</small>		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	99.05	43.47
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	106.22	46.53
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	127.79	55.71
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	142.12	61.83
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	113.19	43.47
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	121.10	46.53
26 27 26 00-0010		Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	28.35	12.24
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	27.52	12.24
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	32.38	12.24
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	35.20	12.24
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	44.90	15.31
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	54.13	15.31
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	29.43	12.24
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	28.57	12.24
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle.....	41.24	12.24

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0020	EA		20 Amperes, 120/277 Volt, Duplex Receptacle	34.31	12.24
26 27 26 00-0021	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	44.90	15.31
26 27 26 00-0022	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	54.13	15.31
26 27 26 00-0023	EA		20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	83.76	15.31
26 27 26 00-0024	EA		20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	83.76	15.31
26 27 26 00-0025	EA		25 Amperes, 120/277 Volt, Duplex Receptacle	70.87	18.37
26 27 26 00-0026			Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027			Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028	EA		30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	63.81	21.43
26 27 26 00-0029	EA		30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	63.81	21.43
26 27 26 00-0030	EA		30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	84.68	21.43
26 27 26 00-0031	EA		30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	96.00	21.43
26 27 26 00-0032	EA		30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	102.13	24.49
26 27 26 00-0033	EA		50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	94.45	24.49
26 27 26 00-0034	EA		50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	92.29	24.49
26 27 26 00-0035	EA		50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	81.13	24.49
26 27 26 00-0036	EA		50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	102.55	24.49
26 27 26 00-0037	EA		50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	113.94	24.49
26 27 26 00-0038	EA		50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	120.06	27.55
26 27 26 00-0039	EA		60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	132.09	30.61
26 27 26 00-0040	EA		60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	144.34	36.73
26 27 26 00-0041	EA		100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,364.17	287.74
26 27 26 00-0042	EA		400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,316.57	352.03
26 27 26 00-0043	EA		30 Amperes, 230 Volt, Dryer Receptacle	76.09	24.49
26 27 26 00-0044	EA		60 Amperes, 230 Volt, Range Receptacle	111.44	36.73
26 27 26 00-0045	EA		15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	70.97	15.31
26 27 26 00-0046	EA		Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,436.09	372.92
26 27 26 00-0047			Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048	EA		15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	94.46	12.24
			Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	60.45	15.31
26 27 26 00-0050	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	60.24	15.31
26 27 26 00-0051	EA		30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	83.94	24.49
26 27 26 00-0052	EA		Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	67.56	15.31
26 27 26 00-0053	EA		Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	62.03	15.31
26 27 26 00-0054	EA		Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	85.45	18.37
26 27 26 00-0055	EA		Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	68.23	18.37
26 27 26 00-0056	EA		Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	87.50	18.37
26 27 26 00-0057	EA		Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	106.28	18.37
26 27 26 00-0058	EA		Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	105.28	24.49
26 27 26 00-0059			Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060	EA		1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	957.36	30.61
26 27 26 00-0061	EA		3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	881.50	33.67
26 27 26 00-0062	EA		3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,465.01	61.22
26 27 26 00-0063	EA		3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,847.12	61.22
26 27 26 00-0064	EA		1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,335.76	91.83
26 27 26 00-0065	EA		1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,225.14	91.83
26 27 26 00-0066			Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)		
26 27 26 00-0067	EA		15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	38.60	15.31
26 27 26 00-0068	EA		20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	55.69	18.37
26 27 26 00-0069			Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)		
26 27 26 00-0070	EA		15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	69.44	15.31
26 27 26 00-0071	EA		20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	76.29	15.31
26 27 26 00-0072			Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0073	EA		NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	56.88	15.31
26 27 26 00-0074	EA		NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	70.52	15.31
26 27 26 00-0075	EA		NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	62.85	18.37
26 27 26 00-0076	EA		NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	62.24	18.37
26 27 26 00-0077	EA		NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	74.24	18.37
26 27 26 00-0078	EA		NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	89.74	18.37
26 27 26 00-0079	EA		NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	88.03	18.37
26 27 26 00-0080	EA		NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	76.69	18.37
26 27 26 00-0081	EA		NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	86.90	24.49
26 27 26 00-0082	EA		NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	88.34	24.49
26 27 26 00-0083	EA		NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	112.89	24.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0084 Hospital Grade Receptacle (26 27 26 00-0026)		
26 27 26 00-0085 EA 15 Amperes, Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	57.67	12.24
26 27 26 00-0086 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	62.85	12.24
26 27 26 00-0087 EA 20 Amperes, Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	72.64	12.24
26 27 26 00-0088 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	63.59	12.24
26 27 26 00-0089 EA 20 Amperes, Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	73.72	12.24
26 27 26 00-0090 EA 20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	81.57	12.24
26 27 26 00-0091 EA 120 Volt, Transient Voltage, Surge Suppressor Receptacle.....	162.46	36.73
Note: Hospital grade receptacle.		
26 27 26 00-0092 Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)		
26 27 26 00-0093 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	276.26	61.22
26 27 26 00-0094 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	275.63	61.22
26 27 26 00-0095 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	287.62	61.22
26 27 26 00-0096 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	350.75	67.34
26 27 26 00-0097 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	351.75	67.34
26 27 26 00-0098 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	349.44	67.34
26 27 26 00-0099 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	418.71	75.31
26 27 26 00-0100 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	399.19	75.31
26 27 26 00-0101 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	429.74	75.31
26 27 26 00-0102 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	434.23	82.65
26 27 26 00-0103 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	433.85	82.65
26 27 26 00-0104 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	436.61	82.65
26 27 26 00-0105 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	610.47	97.95
26 27 26 00-0106 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	586.84	97.95
26 27 26 00-0107 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	602.22	97.95
26 27 26 00-0108 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	670.66	108.98
26 27 26 00-0109 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	671.11	108.98
26 27 26 00-0110 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	671.57	108.98
26 27 26 00-0111 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	746.48	122.44
26 27 26 00-0112 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	776.77	122.44
26 27 26 00-0113 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	835.75	134.69
26 27 26 00-0114 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	833.48	134.69
26 27 26 00-0115 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	837.75	134.69
26 27 26 00-0116 Corrosion Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0117 EA 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	73.78	12.24
26 27 26 00-0118 EA 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	147.09	15.31
26 27 26 00-0119 Tamper Resistant Receptacle (26 27 26 00-0026)		
26 27 26 00-0120 EA 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	30.34	12.24
Note: Pass & Seymour 3232-TR.		
26 27 26 00-0121 EA 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	33.36	12.24
Note: Pass & Seymour TR20.		
26 27 26 00-0122 EA 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	42.00	12.24
Note: Pass & Seymour TR5251.		
26 27 26 00-0123 EA 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	46.06	12.24
Note: Pass & Seymour TR5351.		
26 27 26 00-0124 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	70.42	12.24
Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0125 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	76.22	12.24
Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0126 EA 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	81.76	12.24
Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0127 USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)		
26 27 26 00-0128 EA 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	72.54	12.24
26 27 26 00-0129 EA 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	78.54	12.24
26 27 26 00-0130 Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0131 EA TV Receptacle With Cover (Type F), Complete.....	77.55	28.40
26 27 26 00-0132 Switches (26 27 26)		
26 27 26 00-0133 Switches (26 27 26 00-0132)		
26 27 26 00-0134 Switch Assemblies (26 27 26 00-0133)		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135 EA 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	102.37	42.86
26 27 26 00-0136 EA 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	110.23	46.53
26 27 26 00-0137 EA 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	137.49	56.01
26 27 26 00-0138 EA 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	150.75	62.14
26 27 26 00-0139 EA 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	235.08	96.12

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0140 EA 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	254.97	105.31
26 27 26 00-0141 EA 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	270.35	108.67
26 27 26 00-0142 EA 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	296.87	120.92
26 27 26 00-0143 Switch Components <small>(26 27 26 00-0133)</small>		
26 27 26 00-0144 EA 15 Amperes, 120/277 Volt, SPST Switch.....	32.07	12.24
26 27 26 00-0145 EA 15 Amperes, 120/277 Volt, 3-Way Switch.....	40.57	15.31
26 27 26 00-0146 EA 15 Amperes, 120/277 Volt, 4-Way Switch.....	77.88	24.49
26 27 26 00-0147 EA 15 Amperes, 120/277 Volt, DPST Switch.....	36.48	12.24
26 27 26 00-0148 EA 15 Amperes, 120/277 Volt, Thermal Switch.....	68.29	15.31
26 27 26 00-0149 EA 20 Amperes, 120/277 Volt, SPST Switch.....	38.70	15.31
26 27 26 00-0150 EA 20 Amperes, 120/277 Volt, 3-Way Switch.....	47.79	18.37
26 27 26 00-0151 EA 20 Amperes, 120/277 Volt, 4-Way Switch.....	104.10	24.49
26 27 26 00-0152 EA 20 Amperes, 120/277 Volt, DPST Switch.....	45.77	15.31
26 27 26 00-0153 EA 20 Amperes, 120/277 Volt, DPDT Switch.....	48.90	15.31
26 27 26 00-0154 EA 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	87.21	15.35
26 27 26 00-0155 EA 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	110.15	15.35
26 27 26 00-0156 EA Momentary Contact Switch With Separate Neon Pilot.....	83.71	18.41
Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0157 EA 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	58.55	21.43
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0158 EA 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	71.85	24.49
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0159 EA 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	104.17	24.49
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0160 EA 30 Amperes, 120/277 Volt, Single Pole, Local Switch	87.15	24.55
26 27 26 00-0161 EA 30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	107.76	24.55
26 27 26 00-0162 EA 30 Amperes, 120/277 Volt, Three-Way Local Switch.....	112.39	30.68
26 27 26 00-0163 EA 30 Amperes, 120/277 Volt, Four-Way Local Switch.....	157.44	33.75
26 27 26 00-0164 EA 15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	74.03	20.06
26 27 26 00-0165 EA 15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot	105.44	20.06
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0166 EA 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch.....	91.90	20.06
26 27 26 00-0167 EA 15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	87.24	20.06
26 27 26 00-0168 EA 6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	97.94	9.95
26 27 26 00-0169 EA 6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	104.26	9.95
26 27 26 00-0170 EA 15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	110.16	38.30
26 27 26 00-0171 EA Three Position, Center Off, Key Operated, Momentary Contact Switch	133.10	38.30
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0172 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ)	159.83	12.27
26 27 26 00-0173 EA 8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	75.81	12.27
26 27 26 00-0174 EA 120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	271.07	12.24
26 27 26 00-0175 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	48.69	12.24
26 27 26 00-0176 EA 1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	80.56	12.27
26 27 26 00-0177 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	91.90	12.27
26 27 26 00-0178 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	116.65	12.27
26 27 26 00-0179 EA Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	164.62	12.27
26 27 26 00-0180 Specialty Switches <small>(26 27 26 00-0132)</small>		
26 27 26 00-0181 Dimmers With SPST Switch <small>(26 27 26 00-0180)</small>		
26 27 26 00-0182 EA 600 Watt Dimmers With SPST Switch.....	71.47	27.55
26 27 26 00-0183 EA 1,000 Watt Dimmers With SPST Switch.....	122.60	27.55
26 27 26 00-0184 EA 1,500 Watt Dimmers With SPST Switch.....	220.72	44.33
26 27 26 00-0185 EA 2,000 Watt Dimmers With SPST Switch.....	285.96	44.33
26 27 26 00-0186 EA 600 Watt Fluorescent Dimmer Switch.....	159.37	32.70
26 27 26 00-0187 EA 1,000 Watt Fluorescent Dimmer Switch.....	215.50	32.70
26 27 26 00-0188 EA 1,500 Watt Fluorescent Dimmer Switch.....	389.87	49.34
26 27 26 00-0189 EA Remote Speed Switch For Paddle Fan.....	117.68	40.77
26 27 26 00-0190 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer	193.96	60.86
26 27 26 00-0191 Time Switches <small>(26 27 26 00-0180)</small>		
26 27 26 00-0192 EA 40 Amperes, 125 Volt, SPST, Standard Time Switch	132.53	36.73
26 27 26 00-0193 EA 40 Amperes, 277 Volt, SPST, Standard Time Switch	135.48	36.73
26 27 26 00-0194 EA 40 Amperes, 125 Volt, DPST, Standard Time Switch	132.53	36.73
26 27 26 00-0195 EA 40 Amperes, 277 Volt, DPST, Standard Time Switch	135.48	36.73
26 27 26 00-0196 EA 40 Amperes, 125 Volt, SPST, 7-Day Time Switch	152.21	36.73
26 27 26 00-0197 EA 40 Amperes, 277 Volt, SPST, 7-Day Time Switch	152.21	36.73
26 27 26 00-0198 EA 40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	268.36	36.73
26 27 26 00-0199 EA 40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	268.36	36.73
26 27 26 00-0200 EA 20 Amperes, 125 Volt, SPST, Programmable Time Switch	231.09	36.73
26 27 26 00-0201 EA 20 Amperes, 277 Volt, SPST, Programmable Time Switch	253.85	36.73
26 27 26 00-0202 EA 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch.....	253.85	36.73
26 27 26 00-0203 EA 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	307.63	36.73
26 27 26 00-0204 EA 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	316.68	36.73
26 27 26 00-0205 EA 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	132.53	36.73
26 27 26 00-0206 EA 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	135.48	36.73
26 27 26 00-0207 EA 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	132.53	36.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0208 EA 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	135.48	36.73
26 27 26 00-0209 EA 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	152.21	36.73
26 27 26 00-0210 EA 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	152.21	36.73
26 27 26 00-0211 EA 40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	268.36	36.73
26 27 26 00-0212 EA 40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	268.36	36.73
26 27 26 00-0213 EA 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	307.63	36.73
26 27 26 00-0214 EA 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	316.68	36.73
26 27 26 00-0215 Low Voltage Switching <small>(26 27 26 00-0180)</small>		
26 27 26 00-0216 EA 36 Pin Male Or Female Connector	215.42	12.24
26 27 26 00-0217 Other Switches <small>(26 27 26 00-0180)</small>		
26 27 26 00-0218 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	40.39	18.37
26 27 26 00-0219 EA SPST Locking Switch For Concealed Devices	123.32	48.98
26 27 26 00-0220 EA 3-Way Locking Switch For Concealed Devices	124.92	48.98
26 27 26 00-0221 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	136.58	45.79
26 27 26 00-0222 EA 15 Amperes Momentary Contact Switch	130.13	45.79
26 27 26 00-0223 EA 20 Amperes Momentary Contact Switch	136.92	45.79
26 27 26 00-0224 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	129.40	55.23
26 27 26 00-0225 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	131.30	55.23
26 27 26 00-0226 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	161.53	67.50
26 27 26 00-0227 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	146.88	61.37
26 27 26 00-0228 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	147.35	61.37
26 27 26 00-0229 Plates And Covers <small>(26 27 26)</small>		
26 27 26 00-0230 Wall Plates <small>(26 27 26 00-0229)</small>		
26 27 26 00-0231 Nylon Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0232 EA 1 Gang Nylon Switch Wall Plates	1.98	0.61
26 27 26 00-0233 EA 2 Gang Nylon Switch Wall Plates	3.34	0.93
26 27 26 00-0234 EA 3 Gang Nylon Switch Wall Plates	4.76	1.23
26 27 26 00-0235 EA 4 Gang Nylon Switch Wall Plate	6.89	1.54
26 27 26 00-0236 EA 1 Gang Duplex Nylon Wall Plate	2.00	0.61
26 27 26 00-0237 EA 2 Gang Duplex Nylon Wall Plate	3.43	0.93
26 27 26 00-0238 Plastic Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0239 EA 1 Gang Plastic Switch Wall Plates	1.83	0.61
26 27 26 00-0240 EA 2 Gang Plastic Switch Wall Plates	3.05	0.93
26 27 26 00-0241 EA 3 Gang Plastic Switch Wall Plates	4.28	1.23
26 27 26 00-0242 EA 4 Gang Plastic Switch Wall Plates	6.89	1.54
26 27 26 00-0243 EA 1 Gang Duplex Plastic Wall Plate	1.83	0.61
26 27 26 00-0244 EA 2 Gang Duplex Plastic Wall Plate	3.06	0.93
26 27 26 00-0245 Brass Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0246 EA 1 Gang, 0.04" Brass Switch Wall Plates	19.66	2.77
26 27 26 00-0247 EA 2 Gang, 0.04" Brass Switch Wall Plates	37.09	3.19
26 27 26 00-0248 EA 3 Gang, 0.04" Brass Switch Wall Plates	54.37	3.56
26 27 26 00-0249 EA 4 Gang, 0.04" Brass Switch Wall Plates	84.77	3.86
26 27 26 00-0250 EA 5 Gang, 0.04" Brass Switch Wall Plates	103.33	4.11
26 27 26 00-0251 EA 6 Gang, 0.04" Brass Switch Wall Plates	119.64	4.29
26 27 26 00-0252 EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	19.66	2.77
26 27 26 00-0253 EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	43.53	3.19
26 27 26 00-0254 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate	62.85	3.56
26 27 26 00-0255 Stainless Steel Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0256 EA 1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	10.37	2.77
26 27 26 00-0257 EA 2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	16.77	3.19
26 27 26 00-0258 EA 3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	23.52	3.56
26 27 26 00-0259 EA 4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	34.66	3.86
26 27 26 00-0260 EA 5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	40.88	4.11
26 27 26 00-0261 EA 6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	49.52	4.29
26 27 26 00-0262 EA 1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	11.39	2.77
26 27 26 00-0263 EA 2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	19.18	3.19
26 27 26 00-0264 EA 3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	31.50	3.56
26 27 26 00-0265 EA 4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	38.12	3.86
26 27 26 00-0266 Chrome Wall Plates <small>(26 27 26 00-0230)</small>		
26 27 26 00-0267 EA 1 Gang, 0.040" Chrome Switch Wall Plate	39.68	2.77
26 27 26 00-0268 EA 2 Gang 0.040" Chrome Switch Wall Plate	74.58	3.19
26 27 26 00-0269 EA 3 Gang 0.040" Chrome Switch Wall Plate	109.44	3.56
26 27 26 00-0270 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	39.65	2.77



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 26 00-0271	Weatherproof Covers (26 27 26 00-0229)			
26 27 26 00-0272	Stamped Metallic Weatherproof Covers (26 27 26 00-0271)			
	Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0273	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	12.41	0.61
26 27 26 00-0274	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	13.45	0.61
26 27 26 00-0275	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	13.45	0.61
26 27 26 00-0276	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	13.45	0.61
26 27 26 00-0277	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	16.48	0.93
26 27 26 00-0278	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	18.72	0.93
26 27 26 00-0279	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	18.94	0.93
26 27 26 00-0280	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	18.94	0.93
26 27 26 00-0281	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	25.76	0.93
26 27 26 00-0282	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	24.39	1.23
26 27 26 00-0283	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	26.67	1.23
26 27 26 00-0284	Cast Metallic Weatherproof Covers (26 27 26 00-0271)			
	Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0285	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	15.19	0.61
26 27 26 00-0286	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	48.53	0.61
26 27 26 00-0287	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	54.42	0.61
26 27 26 00-0288	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	15.08	0.61
26 27 26 00-0289	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	41.13	0.61
26 27 26 00-0290	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	68.43	0.61
26 27 26 00-0291	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	87.12	0.61
26 27 26 00-0292	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	18.94	0.93
26 27 26 00-0293	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	137.61	0.93
26 27 26 00-0294	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	31.71	1.23
26 27 26 00-0295	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	131.46	1.23
26 27 26 00-0296	Die Cast Aluminum Weatherproof Covers (26 27 26 00-0271)			
	Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0297	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.39	0.61
26 27 26 00-0298	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	6.91	0.61
26 27 26 00-0299	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.26	0.93
26 27 26 00-0300	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.05	0.93
26 27 26 00-0301	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.05	0.93
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	11.19	0.93
26 27 26 00-0303	Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0271)			
	Note: Includes baked on lacquer finish and neoprene gasket.			
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	54.88	0.61
26 27 26 00-0305	Polycarbonate Weatherproof Covers (26 27 26 00-0271)			
	Note: Includes neoprene gasket.			
26 27 26 00-0306	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.06	0.61
26 27 26 00-0307	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.06	0.61
26 27 26 00-0308	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.06	0.61
26 27 26 00-0309	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	13.68	0.93
26 27 26 00-0310	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	13.68	0.93
26 27 26 00-0311	High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0271)			
	Note: Includes neoprene gasket.			
26 27 26 00-0312	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	92.11	0.61
26 27 26 00-0313	Non-Metallic (PVC) Weatherproof Covers (26 27 26 00-0271)			
	Note: Includes neoprene gasket.			
26 27 26 00-0314	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.58	0.61
26 27 26 00-0315	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	13.54	0.92
26 27 26 00-0316	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.62	0.61
26 27 26 00-0317	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	27.77	0.61
26 27 26 00-0318	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	32.18	0.61
26 27 26 00-0319	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	26.09	0.61
26 27 26 00-0320	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	19.45	0.61
26 27 26 00-0321	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.76	0.61
26 27 26 00-0322	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	20.36	0.61
26 27 26 00-0323	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	29.32	0.92



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0324 Removal And Reinstallation Of Wiring Devices (26 27 26)		
Note: Includes storage and cleaning.		
26 27 26 00-0325 EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	80.55	
26 27 26 00-0326 EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	10.20	
26 27 26 00-0327 Relay Systems (26 27 26)		
26 27 26 00-0328 EA 10 Amperes, 24 Volt Coil, 2 Position Relay	93.91	27.55
26 27 26 00-0329 EA 20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	404.61	91.83
26 27 26 00-0330 EA 20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	687.12	122.44
26 27 26 00-0331 Limit Switches (26 27 26)		
26 27 26 00-0332 Heavy Duty Precision Oiltight (26 27 26 00-0331)		
26 27 26 00-0333 Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0332)		
26 27 26 00-0334 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated	367.07	77.14
26 27 26 00-0335 In Line Midget Fuseholders (26 27 26)		
See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0336 EA Single Pole Water Resistant In Line Midget Fuseholder	90.38	
26 27 26 00-0337 EA Double Pole Water Resistant In Line Midget Fuseholder	211.43	
26 27 33 Power Distribution Units (26 27)		
Note: Includes wiring connections and testing.		
26 27 33 00-0001 Liebert Precision Power Center (26 27 33)		
Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002 EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,309.90	376.52
26 27 33 00-0003 EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	25,735.52	408.11
26 27 33 00-0004 EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	29,330.91	453.05
26 27 33 00-0005 EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	33,750.90	489.78
26 27 33 00-0006 EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	36,820.91	612.22
26 27 33 00-0007 EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	41,303.47	734.67
26 27 33 00-0008 EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	47,655.60	857.11
26 27 33 00-0009 EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	50,102.42	979.56
26 27 33 00-0010 EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	52,923.14	1,102.01
26 27 33 00-0011 EA Ex Panelboard 10-30 KVA	1,881.80	122.44
26 27 33 00-0012 EA Ex Panelboard 50-125 KVA	2,815.48	153.05
26 27 33 00-0013 EA Ex Panelboard 150-220 KVA	6,366.56	183.66
26 27 33 00-0014 EA Removal And Reinstallation Of Power Distribution Unit.....	1,959.12	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,469.34	
26 27 73 Door Chimes (26 27)		
26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer (26 27 73)		
Note: Non-electric chime, mounted on door		
26 27 73 00-0002 EA Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	87.96	19.14
26 27 73 00-0003 Wireless Door Bell System (26 27 73)		
26 27 73 00-0004 EA Wireless Doorbell Chime And Push Button (Broan LA542WH)	141.62	
Note: Includes 2 push buttons		
26 27 73 00-0005 EA Wireless Doorbell Chime And Push Button (STI-3350G).....	133.32	
Note: Includes 2 push buttons		
26 27 73 00-0006 EA Wireless Doorbell Chime And Push Button (GE 19300).....	99.39	
Note: Includes 2 push buttons		
26 27 73 00-0007 Door Chimes (26 27 73)		
26 27 73 00-0008 EA Door Bell, Push-Button And Transformer, Complete	669.72	255.06
26 27 73 00-0009 EA Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	272.24	61.22
26 27 73 00-0010 EA Removal And Replacement Of Bell/Buzzer, Complete	110.43	30.61
Note: Includes removal of existing.		
26 28 Low-Voltage Circuit Protective Devices (26 20)		
26 28 13 Fuses (26 28)		
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)		
26 28 13 00-0002 EA 1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	29.86	8.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.88	
26 28 13 00-0003 EA 2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	29.05	8.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0044 EA 500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	756.57	18.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.12	
26 28 13 00-0045 EA 600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	588.25	18.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.12	
26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses⁽²⁶		
<small>28 13 00-0013)</small>		
26 28 13 00-0047 EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	78.86	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0048 EA 2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	73.15	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0049 EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	68.37	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0050 EA 4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	69.95	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0051 EA 5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	68.59	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0052 EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	69.08	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0053 EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	63.86	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0054 EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	63.34	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0055 EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	62.64	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0056 EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	63.67	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0057 EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	94.62	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0058 EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	94.86	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0059 EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	92.91	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0060 EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	93.83	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0061 EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	94.65	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses^{(26 28}		
<small>13 00-0013)</small>		
26 28 13 00-0063 EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	180.45	11.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.35	
26 28 13 00-0064 EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	184.45	12.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.08	
26 28 13 00-0065 EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	183.41	12.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.08	
26 28 13 00-0066 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	184.23	12.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.08	
26 28 13 00-0067 EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	342.80	12.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.08	
26 28 13 00-0068 EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	348.07	12.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.08	
26 28 13 00-0069 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	342.15	14.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.92	
26 28 13 00-0070 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	341.28	14.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.92	
26 28 13 00-0071 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	657.30	14.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.92	
26 28 13 00-0072 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	659.75	18.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.12	
26 28 13 00-0073 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	745.10	18.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.12	
26 28 13 00-0074 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	674.26	18.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.12	
26 28 13 00-0075 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	1,218.14	18.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.12	
26 28 13 00-0076 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	1,082.34	22.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 13 00-0077 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	942.63	22.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses^(26 28 13)		
Note: 250/300 Volt DC.		
26 28 13 00-0079 EA 1 Amperes, 600 Volt AC, Class CC Midget Fuse.....	57.50	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0080 EA 2 Amperes, 600 Volt AC, Class CC Midget Fuse.....	58.45	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0081 EA 3 Amperes, 600 Volt AC, Class CC Midget Fuse.....	58.18	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	
26 28 13 00-0082 EA 5 Amperes, 600 Volt AC, Class CC Midget Fuse.....	57.88	8.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.88	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0083	EA		6 Amperes, 600 Volt AC, Class CC Midget Fuse.....	62.36	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88	
26 28 13 00-0084	EA		8 Amperes, 600 Volt AC, Class CC Midget Fuse.....	55.19	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88	
26 28 13 00-0085	EA		10 Amperes, 600 Volt AC, Class CC Midget Fuse.....	63.61	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88	
26 28 13 00-0086	EA		15 Amperes, 600 Volt AC, Class CC Midget Fuse.....	57.91	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88	
26 28 13 00-0087	EA		20 Amperes, 600 Volt AC, Class CC Midget Fuse.....	56.74	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88	
26 28 13 00-0088	EA		25 Amperes, 600 Volt AC, Class CC Midget Fuse.....	54.05	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88	
26 28 13 00-0089	EA		30 Amperes, 600 Volt AC, Class CC Midget Fuse.....	56.33	8.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.88	
26 28 13 00-0090			200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse⁽²⁶		
26 28 13 00-0091	EA		1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	77.28	6.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 28 13 00-0092	EA		3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	77.90	6.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.68	
26 28 13 00-0093	EA		6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	66.20	7.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 28 13 00-0094	EA		10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	64.87	9.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 28 13 00-0095	EA		15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	66.36	9.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 28 13 00-0096	EA		20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	65.03	9.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 28 13 00-0097	EA		25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	82.56	12.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.35	
26 28 13 00-0098	EA		30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	67.64	12.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.35	
26 28 13 00-0099	EA		35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	123.33	12.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.35	
26 28 13 00-0100	EA		40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	104.14	12.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.35	
26 28 13 00-0101	EA		45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	120.39	12.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.35	
26 28 13 00-0102	EA		50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	104.44	15.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.18	
26 28 13 00-0103	EA		60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	102.38	15.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.18	
26 28 13 00-0104	EA		70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	161.94	18.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.02	
26 28 13 00-0105	EA		80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	173.32	18.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.02	
26 28 13 00-0106	EA		90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	170.41	18.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.02	
26 28 13 00-0107	EA		100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	146.34	21.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	
26 28 13 00-0108	EA		110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	358.72	21.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	
26 28 13 00-0109	EA		125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	303.06	21.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	
26 28 13 00-0110	EA		150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	286.71	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 13 00-0111	EA		175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	291.14	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 13 00-0112	EA		200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	239.37	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 13 00-0113	EA		225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	626.53	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 13 00-0114	EA		250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	578.21	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 13 00-0115	EA		300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	531.72	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 13 00-0116	EA		350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	581.20	24.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 13 00-0117	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	475.71	27.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.53	
26 28 13 00-0118	EA		450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	1,027.83	27.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.53	
26 28 13 00-0119	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	868.35	30.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 13 00-0120	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	641.53	30.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 13 00-0121			600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses^(26 28 13)		
26 28 13 00-0122	EA		100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,987.48	15.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0123 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,991.42	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 28 13 00-0124 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,995.09	15.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.18	
26 28 13 00-0125 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,987.11	18.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 28 13 00-0126 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,829.36	18.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 28 13 00-0127 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,956.55	21.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 28 13 00-0128 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,799.94	21.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 28 13 00-0129 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,014.41	21.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 28 13 00-0130 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,974.89	21.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.86	
26 28 13 00-0131 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,753.86	24.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 13 00-0132 EA 601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,801.39	24.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 13 00-0133 EA 650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,398.80	24.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 13 00-0134 EA 700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,745.24	24.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 13 00-0135 EA 750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,684.72	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0136 EA 800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,540.84	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0137 EA 900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,256.06	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0138 EA 1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,514.70	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0139 EA 1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,560.16	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0140 EA 1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,484.15	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0141 EA 1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,435.02	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0142 EA 1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,097.91	27.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.53	
26 28 13 00-0143 EA 1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,929.23	30.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 13 00-0144 EA 1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,104.62	30.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 13 00-0145 EA 2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,622.63	30.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 13 00-0146 EA 2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,550.38	30.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 13 00-0147 EA 2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	6,058.17	30.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 13 00-0148 EA 3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,958.12	33.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.20	
26 28 13 00-0149 EA 3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	8,201.85	33.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.20	
26 28 13 00-0150 EA 3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	9,519.46	33.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.20	
26 28 13 00-0151 EA 4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,498.02	33.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.20	
26 28 13 00-0152 EA 5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	8,685.65	33.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.20	
26 28 13 00-0153 EA 6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	14,388.29	33.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.20	

26 28 16 Enclosed Switches and Circuit Breakers (26 28)

26 28 16 13 Enclosed Circuit Breakers (26 28 16)

26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)

Note: Includes connection of electrical wire.

26 28 16 13-0003 EA 1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	58.18	22.04
For Bolt-On, Add	15.84	
For Installation In New Panelboard, Deduct	-12.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 16 13-0004 EA 1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	58.18	22.04
For Bolt-On, Add	15.84	
For Installation In New Panelboard, Deduct	-12.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0005	EA		1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	82.44	27.55
			<i>For Bolt-On, Add</i>	21.02	
			<i>For Installation In New Panelboard, Deduct</i>	-15.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 16 13-0006	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	118.92	27.55
			<i>For Bolt-On, Add</i>	25.58	
			<i>For Installation In New Panelboard, Deduct</i>	-15.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 16 13-0007	EA		1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	160.63	27.55
			<i>For Bolt-On, Add</i>	30.79	
			<i>For Installation In New Panelboard, Deduct</i>	-15.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 16 13-0008	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	184.42	27.55
			<i>For Bolt-On, Add</i>	33.77	
			<i>For Installation In New Panelboard, Deduct</i>	-15.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 16 13-0009	EA		1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	95.94	27.55
			<i>For Bolt-On, Add</i>	22.71	
			<i>For Installation In New Panelboard, Deduct</i>	-15.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 16 13-0010	EA		2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	94.69	33.06
			<i>For Bolt-On, Add</i>	24.69	
			<i>For Installation In New Panelboard, Deduct</i>	-18.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	
26 28 16 13-0011	EA		2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	94.69	33.06
			<i>For Bolt-On, Add</i>	24.69	
			<i>For Installation In New Panelboard, Deduct</i>	-18.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	
26 28 16 13-0012	EA		2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	140.39	44.08
			<i>For Bolt-On, Add</i>	34.69	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0013	EA		2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	225.02	55.10
			<i>For Bolt-On, Add</i>	49.55	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
26 28 16 13-0014	EA		2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	263.43	61.22
			<i>For Bolt-On, Add</i>	56.50	
			<i>For Installation In New Panelboard, Deduct</i>	-33.67	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.41	
26 28 16 13-0015	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	218.47	39.18
			<i>For Bolt-On, Add</i>	42.74	
			<i>For Installation In New Panelboard, Deduct</i>	-22.04	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.45	
26 28 16 13-0016	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	286.70	39.18
			<i>For Bolt-On, Add</i>	51.27	
			<i>For Installation In New Panelboard, Deduct</i>	-22.04	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.45	
26 28 16 13-0017	EA		3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	172.22	44.08
			<i>For Bolt-On, Add</i>	38.67	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0018	EA		3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	172.22	44.08
			<i>For Bolt-On, Add</i>	38.67	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0019	EA		3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	224.61	55.10
			<i>For Bolt-On, Add</i>	49.50	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
26 28 16 13-0020	EA		3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	332.55	66.12
			<i>For Bolt-On, Add</i>	67.28	
			<i>For Installation In New Panelboard, Deduct</i>	-36.73	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	421.24	77.14
For Bolt-On, Add	82.65	
For Installation In New Panelboard, Deduct	-42.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.43	
26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small>		
<small>16 13-0001</small> Note: Includes connection of electrical wire.		
26 28 16 13-0023 EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	79.79	22.04
For Bolt-On, Add	18.55	
For Installation In New Panelboard, Deduct	-12.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 16 13-0024 EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	79.79	22.04
For Bolt-On, Add	18.55	
For Installation In New Panelboard, Deduct	-12.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 16 13-0025 EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	137.69	27.55
For Bolt-On, Add	27.92	
For Installation In New Panelboard, Deduct	-15.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 16 13-0026 EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	207.83	27.55
For Bolt-On, Add	36.69	
For Installation In New Panelboard, Deduct	-15.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 16 13-0027 EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	151.59	33.06
For Bolt-On, Add	31.81	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0028 EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	151.59	33.06
For Bolt-On, Add	31.81	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0029 EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	289.89	44.08
For Bolt-On, Add	53.38	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0030 EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	392.91	55.10
For Bolt-On, Add	70.54	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 28 16 13-0031 EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	569.02	61.22
For Bolt-On, Add	94.70	
For Installation In New Panelboard, Deduct	-33.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.41	
26 28 16 13-0032 EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	238.24	44.08
For Bolt-On, Add	46.92	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0033 EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	238.24	44.08
For Bolt-On, Add	46.92	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0034 EA 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	351.86	55.10
For Bolt-On, Add	65.41	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 28 16 13-0035 EA 3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	495.54	66.12
For Bolt-On, Add	87.66	
For Installation In New Panelboard, Deduct	-36.73	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.08	
26 28 16 13-0036 EA 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	756.95	77.14
For Bolt-On, Add	124.62	
For Installation In New Panelboard, Deduct	-42.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.43	
26 28 16 13-0037 EA 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	870.90	82.65
For Bolt-On, Add	141.00	
For Installation In New Panelboard, Deduct	-45.92	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.10	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0038	EA		3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	935.38	88.16
			<i>For Bolt-On, Add</i>	151.21	
			<i>For Installation In New Panelboard, Deduct</i>	-48.98	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.77	
26 28 16 13-0039	EA		3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,102.48	93.67
			<i>For Bolt-On, Add</i>	174.24	
			<i>For Installation In New Panelboard, Deduct</i>	-52.04	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.45	
26 28 16 13-0040			Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
			^{16 13-0001} <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0041	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	93.99	22.04
			<i>For Bolt-On, Add</i>	20.32	
			<i>For Installation In New Panelboard, Deduct</i>	-12.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 16 13-0042	EA		35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	93.99	22.04
			<i>For Bolt-On, Add</i>	20.32	
			<i>For Installation In New Panelboard, Deduct</i>	-12.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 16 13-0043	EA		70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	151.72	27.55
			<i>For Bolt-On, Add</i>	29.68	
			<i>For Installation In New Panelboard, Deduct</i>	-15.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 16 13-0044	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	188.61	33.06
			<i>For Bolt-On, Add</i>	36.43	
			<i>For Installation In New Panelboard, Deduct</i>	-18.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	
26 28 16 13-0045	EA		35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	188.61	33.06
			<i>For Bolt-On, Add</i>	36.43	
			<i>For Installation In New Panelboard, Deduct</i>	-18.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	
26 28 16 13-0046	EA		70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	325.39	44.08
			<i>For Bolt-On, Add</i>	57.82	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0047	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	811.41	55.10
			<i>For Bolt-On, Add</i>	122.85	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
26 28 16 13-0048	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	299.33	44.08
			<i>For Bolt-On, Add</i>	54.56	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0049	EA		35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	299.33	44.08
			<i>For Bolt-On, Add</i>	54.56	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0050	EA		70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	396.32	55.10
			<i>For Bolt-On, Add</i>	70.97	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
26 28 16 13-0051	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,003.63	66.12
			<i>For Bolt-On, Add</i>	151.17	
			<i>For Installation In New Panelboard, Deduct</i>	-36.73	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.08	
26 28 16 13-0052			Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
			^{16 13-0001} <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0053	EA		15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	106.05	22.04
			<i>For Bolt-On, Add</i>	21.83	
			<i>For Installation In New Panelboard, Deduct</i>	-12.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 16 13-0054	EA		35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	106.05	22.04
			<i>For Bolt-On, Add</i>	21.83	
			<i>For Installation In New Panelboard, Deduct</i>	-12.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0055 EA 70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	125.62	27.55
For Bolt-On, Add	26.42	
For Installation In New Panelboard, Deduct	-15.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 16 13-0056 EA 15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	206.22	27.55
For Bolt-On, Add	36.49	
For Installation In New Panelboard, Deduct	-15.31	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.37	
26 28 16 13-0057 EA 15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	220.08	33.06
For Bolt-On, Add	40.37	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0058 EA 35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	220.08	33.06
For Bolt-On, Add	40.37	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0059 EA 70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	268.38	44.08
For Bolt-On, Add	50.69	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0060 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	383.72	55.10
For Bolt-On, Add	69.39	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 28 16 13-0061 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	492.31	61.22
For Bolt-On, Add	85.11	
For Installation In New Panelboard, Deduct	-33.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.41	
26 28 16 13-0062 EA 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	613.15	71.64
For Bolt-On, Add	104.50	
For Installation In New Panelboard, Deduct	-39.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.75	
26 28 16 13-0063 EA 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	663.55	82.65
For Bolt-On, Add	115.08	
For Installation In New Panelboard, Deduct	-45.92	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.10	
26 28 16 13-0064 EA 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	268.91	44.08
For Bolt-On, Add	50.76	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0065 EA 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	268.91	44.08
For Bolt-On, Add	50.76	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0066 EA 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	316.70	55.10
For Bolt-On, Add	61.01	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 28 16 13-0067 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	474.71	66.12
For Bolt-On, Add	85.05	
For Installation In New Panelboard, Deduct	-36.73	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.08	
26 28 16 13-0068 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	622.55	85.71
For Bolt-On, Add	111.03	
For Installation In New Panelboard, Deduct	-47.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.94	
26 28 16 13-0069 EA 250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	766.79	99.18
For Bolt-On, Add	134.42	
For Installation In New Panelboard, Deduct	-55.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.12	
26 28 16 13-0070 EA 300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	815.16	105.31
For Bolt-On, Add	142.61	
For Installation In New Panelboard, Deduct	-58.16	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.79	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}
^{16 13-0001)}
 Note: Includes connection of electrical wire.

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0072 EA 15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	227.94	33.06
For Bolt-On, Add	41.35	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0073 EA 35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	227.94	33.06
For Bolt-On, Add	41.35	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0074 EA 70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	344.38	44.08
For Bolt-On, Add	60.19	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0075 EA 110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	553.55	55.10
For Bolt-On, Add	90.62	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 28 16 13-0076 EA 150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	856.28	68.57
For Bolt-On, Add	133.82	
For Installation In New Panelboard, Deduct	-38.26	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.92	
26 28 16 13-0077 EA 250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	968.34	71.64
For Bolt-On, Add	148.90	
For Installation In New Panelboard, Deduct	-39.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.75	
26 28 16 13-0078 EA 300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,059.62	82.65
For Bolt-On, Add	164.59	
For Installation In New Panelboard, Deduct	-45.92	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.10	
26 28 16 13-0079 EA 15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	326.35	44.08
For Bolt-On, Add	57.94	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0080 EA 35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	326.35	44.08
For Bolt-On, Add	57.94	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0081 EA 70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	410.94	55.10
For Bolt-On, Add	72.79	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 28 16 13-0082 EA 110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	687.77	66.12
For Bolt-On, Add	111.68	
For Installation In New Panelboard, Deduct	-36.73	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.08	
26 28 16 13-0083 EA 150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,001.21	85.71
For Bolt-On, Add	158.36	
For Installation In New Panelboard, Deduct	-47.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.94	
26 28 16 13-0084 EA 250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,182.04	99.18
For Bolt-On, Add	186.33	
For Installation In New Panelboard, Deduct	-55.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.12	
26 28 16 13-0085 EA 300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,277.94	105.31
For Bolt-On, Add	200.45	
For Installation In New Panelboard, Deduct	-58.16	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.79	
26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
^{16 13-0001)}		
Note: Includes connection of electrical wire.		
26 28 16 13-0087 EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	235.75	33.06
For Bolt-On, Add	42.33	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0088 EA 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	235.75	33.06
For Bolt-On, Add	42.33	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 13-0089	EA		2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	416.51	44.08
				<i>For Bolt-On, Add</i>	69.21	
				<i>For Installation In New Panelboard, Deduct</i>	-24.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
	26 28 16 13-0090	EA		2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	753.54	55.10
				<i>For Bolt-On, Add</i>	115.62	
				<i>For Installation In New Panelboard, Deduct</i>	-30.61	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
	26 28 16 13-0091	EA		2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,386.86	68.57
				<i>For Bolt-On, Add</i>	175.14	
				<i>For Installation In New Panelboard, Deduct</i>	-38.26	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.92	
	26 28 16 13-0092	EA		2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,348.54	71.64
				<i>For Bolt-On, Add</i>	196.42	
				<i>For Installation In New Panelboard, Deduct</i>	-39.80	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.75	
	26 28 16 13-0093	EA		2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,469.91	82.65
				<i>For Bolt-On, Add</i>	215.88	
				<i>For Installation In New Panelboard, Deduct</i>	-45.92	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.10	
	26 28 16 13-0094	EA		3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	380.44	44.08
				<i>For Bolt-On, Add</i>	64.70	
				<i>For Installation In New Panelboard, Deduct</i>	-24.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
	26 28 16 13-0095	EA		3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	380.44	44.08
				<i>For Bolt-On, Add</i>	64.70	
				<i>For Installation In New Panelboard, Deduct</i>	-24.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
	26 28 16 13-0096	EA		3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	504.71	55.10
				<i>For Bolt-On, Add</i>	84.52	
				<i>For Installation In New Panelboard, Deduct</i>	-30.61	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
	26 28 16 13-0097	EA		3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	916.27	66.12
				<i>For Bolt-On, Add</i>	140.25	
				<i>For Installation In New Panelboard, Deduct</i>	-36.73	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.08	
	26 28 16 13-0098	EA		3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,158.29	85.71
				<i>For Bolt-On, Add</i>	178.00	
				<i>For Installation In New Panelboard, Deduct</i>	-47.45	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.94	
	26 28 16 13-0099	EA		3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,834.83	99.18
				<i>For Bolt-On, Add</i>	267.92	
				<i>For Installation In New Panelboard, Deduct</i>	-55.10	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.12	
	26 28 16 13-0100	EA		3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,953.82	105.31
				<i>For Bolt-On, Add</i>	284.94	
				<i>For Installation In New Panelboard, Deduct</i>	-58.16	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.79	
	26 28 16 13-0101			Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
				<i>Note: Includes connection of electrical wire.</i>		
	26 28 16 13-0102	EA		1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	125.74	22.04
				<i>For Bolt-On, Add</i>	24.29	
				<i>For Installation In New Panelboard, Deduct</i>	-12.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
	26 28 16 13-0103	EA		1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	125.74	22.04
				<i>For Bolt-On, Add</i>	24.29	
				<i>For Installation In New Panelboard, Deduct</i>	-12.25	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
	26 28 16 13-0104	EA		1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	213.80	27.55
				<i>For Bolt-On, Add</i>	37.44	
				<i>For Installation In New Panelboard, Deduct</i>	-15.31	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
	26 28 16 13-0105	EA		2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	267.74	33.06
				<i>For Bolt-On, Add</i>	46.32	
				<i>For Installation In New Panelboard, Deduct</i>	-18.37	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0106	EA		2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	267.74	33.06
			<i>For Bolt-On, Add</i>	46.32	
			<i>For Installation In New Panelboard, Deduct</i>	-18.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	
26 28 16 13-0107	EA		2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	482.71	44.08
			<i>For Bolt-On, Add</i>	77.48	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0108	EA		2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	885.77	55.10
			<i>For Bolt-On, Add</i>	132.15	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
26 28 16 13-0109	EA		2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,709.14	68.57
			<i>For Bolt-On, Add</i>	240.43	
			<i>For Installation In New Panelboard, Deduct</i>	-38.26	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.92	
26 28 16 13-0110	EA		3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	438.17	44.08
			<i>For Bolt-On, Add</i>	71.91	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0111	EA		3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	438.17	44.08
			<i>For Bolt-On, Add</i>	71.91	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0112	EA		3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	584.91	55.10
			<i>For Bolt-On, Add</i>	94.54	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
26 28 16 13-0113	EA		3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,090.58	66.12
			<i>For Bolt-On, Add</i>	162.04	
			<i>For Installation In New Panelboard, Deduct</i>	-36.73	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.08	
26 28 16 13-0114	EA		3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,124.96	85.71
			<i>For Bolt-On, Add</i>	298.83	
			<i>For Installation In New Panelboard, Deduct</i>	-47.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.94	
26 28 16 13-0115			Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0116	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	181.21	22.04
			<i>For Bolt-On, Add</i>	31.22	
			<i>For Installation In New Panelboard, Deduct</i>	-12.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 16 13-0117	EA		35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	181.21	22.04
			<i>For Bolt-On, Add</i>	31.22	
			<i>For Installation In New Panelboard, Deduct</i>	-12.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 28 16 13-0118	EA		70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	272.79	27.55
			<i>For Bolt-On, Add</i>	44.81	
			<i>For Installation In New Panelboard, Deduct</i>	-15.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 28 16 13-0119	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	331.92	33.06
			<i>For Bolt-On, Add</i>	54.35	
			<i>For Installation In New Panelboard, Deduct</i>	-18.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	
26 28 16 13-0120	EA		35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	331.92	33.06
			<i>For Bolt-On, Add</i>	54.35	
			<i>For Installation In New Panelboard, Deduct</i>	-18.37	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.04	
26 28 16 13-0121	EA		70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	620.86	44.08
			<i>For Bolt-On, Add</i>	94.75	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0122	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,120.18	55.10
			<i>For Bolt-On, Add</i>	161.45	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	2,220.33	61.22
For Bolt-On, Add	301.11	
For Installation In New Panelboard, Deduct	-33.67	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.41	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	566.77	44.08
For Bolt-On, Add	87.99	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	566.77	44.08
For Bolt-On, Add	87.99	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	783.60	55.10
For Bolt-On, Add	119.38	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	1,264.88	66.12
For Bolt-On, Add	183.82	
For Installation In New Panelboard, Deduct	-36.73	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.08	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	2,804.36	85.71
For Bolt-On, Add	383.76	
For Installation In New Panelboard, Deduct	-47.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.94	
26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On <small>(26 28</small>		
<small>16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	85.47	22.04
For Bolt-On, Add	19.26	
For Installation In New Panelboard, Deduct	-12.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	176.29	33.06
For Bolt-On, Add	34.89	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	277.06	44.08
For Bolt-On, Add	51.77	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0133 EA 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	171.70	22.04
For Bolt-On, Add	30.03	
For Installation In New Panelboard, Deduct	-12.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 16 13-0134 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	171.70	22.04
For Bolt-On, Add	30.03	
For Installation In New Panelboard, Deduct	-12.25	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 28 16 13-0135 EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	341.98	44.08
For Bolt-On, Add	59.89	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0136 EA 15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	384.78	33.06
For Bolt-On, Add	60.95	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0137 EA 35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	384.78	33.06
For Bolt-On, Add	60.95	
For Installation In New Panelboard, Deduct	-18.37	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.04	
26 28 16 13-0138 EA 70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	740.00	44.08
For Bolt-On, Add	109.64	
For Installation In New Panelboard, Deduct	-24.49	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.39	
26 28 16 13-0139 EA 110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	1,252.41	55.10
For Bolt-On, Add	177.98	
For Installation In New Panelboard, Deduct	-30.61	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.73	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0140	EA		150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,747.33	68.57
			<i>For Bolt-On, Add</i>	370.20	
			<i>For Installation In New Panelboard, Deduct</i>	-38.26	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.92	
26 28 16 13-0141	EA		15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	642.39	44.08
			<i>For Bolt-On, Add</i>	97.44	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0142	EA		35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	642.39	44.08
			<i>For Bolt-On, Add</i>	97.44	
			<i>For Installation In New Panelboard, Deduct</i>	-24.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.39	
26 28 16 13-0143	EA		70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	893.38	55.10
			<i>For Bolt-On, Add</i>	133.10	
			<i>For Installation In New Panelboard, Deduct</i>	-30.61	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.73	
26 28 16 13-0144	EA		110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,361.05	66.12
			<i>For Bolt-On, Add</i>	195.84	
			<i>For Installation In New Panelboard, Deduct</i>	-36.73	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.08	
26 28 16 13-0145	EA		150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,416.17	85.71
			<i>For Bolt-On, Add</i>	460.23	
			<i>For Installation In New Panelboard, Deduct</i>	-47.45	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.94	

26 28 16 16 Enclosed Switches (26 28 16)

26 28 16 16-0001			Motor And Circuit Disconnects (26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002			NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003			Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) Note: Includes fuses and neutral bar.		
26 28 16 16-0004			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	486.51	122.44
26 28 16 16-0006	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	778.35	147.54
26 28 16 16-0007	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,079.07	172.65
26 28 16 16-0008	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,866.31	271.83
26 28 16 16-0009	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,016.59	422.44
26 28 16 16-0010	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,732.09	624.47
26 28 16 16-0011	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,219.73	734.67
26 28 16 16-0012	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,417.99	857.11
26 28 16 16-0013			600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0014	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	755.80	136.04
26 28 16 16-0015	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	911.98	163.96
26 28 16 16-0016	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,471.44	191.63
26 28 16 16-0017	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,169.71	302.44
26 28 16 16-0018	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,792.56	469.21
26 28 16 16-0019	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,482.78	693.53
26 28 16 16-0020	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,129.43	815.85
26 28 16 16-0021	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,254.67	952.38



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0023 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	686.52	192.24
26 28 16 16-0024 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,020.34	255.30
26 28 16 16-0025 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,392.14	283.46
26 28 16 16-0026 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,203.63	443.87
26 28 16 16-0027 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,636.01	728.55
26 28 16 16-0028 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,590.75	1,020.58
26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	908.86	212.44
26 28 16 16-0031 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,151.10	283.46
26 28 16 16-0032 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,726.05	318.97
26 28 16 16-0033 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,536.52	486.11
26 28 16 16-0034 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,739.52	784.88
26 28 16 16-0035 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,275.30	1,133.84
26 28 16 16-0036 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,897.85	1,346.89
26 28 16 16-0037 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,101.87	1,530.56
26 28 16 16-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	663.31	192.24
26 28 16 16-0040 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	990.35	255.30
26 28 16 16-0041 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,337.58	283.46
26 28 16 16-0042 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,278.67	443.87
26 28 16 16-0043 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,058.87	728.55
26 28 16 16-0044 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,226.91	1,020.58
26 28 16 16-0045 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,739.02	1,285.67
26 28 16 16-0046 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,975.02	1,469.34
26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0048 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	994.00	212.44
26 28 16 16-0049 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,255.73	283.46
26 28 16 16-0050 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,879.05	318.97
26 28 16 16-0051 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,765.55	486.11
26 28 16 16-0052 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,228.17	784.88
26 28 16 16-0053 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,138.31	1,133.84
26 28 16 16-0054 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,330.65	1,346.89
26 28 16 16-0055 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	20,649.59	1,530.56
26 28 16 16-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16	16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	471.83	177.18
26 28 16	16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	738.85	246.48
26 28 16	16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,029.88	283.46
26 28 16	16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,611.57	453.54
26 28 16	16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,284.45	755.85
26 28 16	16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,412.69	1,030.74
26 28 16	16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,782.92	1,224.45
26 28 16	16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,315.98	1,429.05
26 28 16	16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16	16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	521.21	195.54
26 28 16	16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	837.31	276.61
26 28 16	16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,165.17	314.92
26 28 16	16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,807.74	492.96
26 28 16	16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,534.08	809.85
26 28 16	16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,987.05	1,133.72
26 28 16	16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,658.78	1,224.45
26 28 16	16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,515.43	1,429.05
26 28 16	16-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16	16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	545.81	159.18
26 28 16	16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	841.76	221.63
26 28 16	16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,148.21	255.30
26 28 16	16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,801.88	408.35
26 28 16	16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,646.78	680.18
26 28 16	16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,927.21	927.52
26 28 16	16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,341.32	1,102.01
26 28 16	16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	13,518.75	1,285.67
26 28 16	16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16	16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	594.91	175.71
26 28 16	16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	924.28	249.18
26 28 16	16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,250.47	283.46
26 28 16	16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,943.25	443.87
26 28 16	16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,907.23	728.55
26 28 16	16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,403.59	1,020.58
26 28 16	16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,920.97	1,102.01
26 28 16	16-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16	16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	638.11	175.96
26 28 16	16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	997.96	248.93



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,370.30	283.46
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,127.82	443.62
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,165.41	728.79
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,167.67	1,020.33
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,793.04	1,102.01
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	15,473.01	1,285.67
26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	960.79	159.42
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,153.00	221.87
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,790.13	255.06
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,679.82	408.11
26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,039.64	175.71
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,257.78	249.18
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,938.27	283.46
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,883.92	443.87
26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,159.90	175.96
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,390.43	248.93
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,176.80	283.46
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,231.40	443.62
26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small> <small>Note: Includes fuses and neutral bar.</small>		
26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	331.92	106.53
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	456.89	128.20
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	715.32	149.87
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,334.93	236.44
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,226.80	366.72
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,072.34	542.80
26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	453.31	167.38
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	643.72	221.87
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	908.52	246.48
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,635.08	385.83
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,764.02	633.77

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0130 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,767.52	887.23
26 28 16 16-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0132 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	509.42	167.38
26 28 16 16-0133 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	734.18	221.87
26 28 16 16-0134 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	990.84	246.48
26 28 16 16-0135 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,842.47	385.83
26 28 16 16-0136 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,118.50	633.77
26 28 16 16-0137 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,992.23	887.23
26 28 16 16-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	452.81	148.16
26 28 16 16-0141 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	609.79	170.32
26 28 16 16-0142 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,407.01	272.19
26 28 16 16-0143 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,052.12	453.05
26 28 16 16-0144 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,327.74	617.37
26 28 16 16-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	428.13	138.60
26 28 16 16-0147 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	585.86	192.85
26 28 16 16-0148 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	910.00	221.87
26 28 16 16-0149 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,573.35	354.97
26 28 16 16-0150 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,330.38	591.65
26 28 16 16-0151 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,708.44	806.42
26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	723.98	143.87
26 28 16 16-0156 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,166.53	172.65
26 28 16 16-0157 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,461.92	200.81
26 28 16 16-0158 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,136.69	306.11
26 28 16 16-0159 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,770.55	489.78
26 28 16 16-0160 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,414.99	653.24
26 28 16 16-0161 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,681.09	734.67
26 28 16 16-0162 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,834.45	857.11



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153)</small>		
26 28 16 16-0164 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,260.71	191.75
26 28 16 16-0165 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,499.46	235.09
26 28 16 16-0166 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,145.07	269.99
26 28 16 16-0167 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,015.80	404.93
26 28 16 16-0168 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,620.44	662.54
26 28 16 16-0169 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,255.85	911.11
26 28 16 16-0170 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,095.71	1,049.10
26 28 16 16-0171 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,927.51	1,180.98
26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153)</small>		
26 28 16 16-0173 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	912.17	226.52
26 28 16 16-0174 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,463.66	299.99
26 28 16 16-0175 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,772.66	329.38
26 28 16 16-0176 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,622.61	509.98
26 28 16 16-0177 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,738.34	850.38
26 28 16 16-0178 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,647.23	1,133.84
26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153)</small>		
26 28 16 16-0180 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,416.87	268.52
26 28 16 16-0181 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,688.20	329.13
26 28 16 16-0182 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,276.78	377.86
26 28 16 16-0183 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,302.67	566.92
26 28 16 16-0184 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,025.15	927.64
26 28 16 16-0185 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,795.26	1,275.51
26 28 16 16-0186 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,201.63	1,469.34
26 28 16 16-0187 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	21,816.00	1,653.01
26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153)</small>		
26 28 16 16-0189 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,007.32	226.52
26 28 16 16-0190 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,466.42	299.99
26 28 16 16-0191 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,906.43	329.38
26 28 16 16-0192 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,711.84	509.98
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,820.19	850.38
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,547.53	1,133.84
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,765.21	1,285.67
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	22,179.87	1,469.34
26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶⁾ <small>28 16 16-0153)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,471.46	268.76
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,749.57	329.38
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,413.19	377.74
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,391.34	566.92
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,345.71	927.52
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,163.56	1,275.27
26 28 16 16-0204 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,361.38	1,469.34
26 28 16 16-0205 EA 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	23,344.69	1,653.01
26 28 16 16-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0208 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	690.18	125.99
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,135.37	174.48
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,500.71	200.08
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,981.11	323.99
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,459.71	540.47
26 28 16 16-0213 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,204.51	720.59
26 28 16 16-0214 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,281.61	857.48
26 28 16 16-0215 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,574.72	979.93
26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0217 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	777.87	138.86
26 28 16 16-0218 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,287.57	194.32
26 28 16 16-0219 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,696.33	219.42
26 28 16 16-0220 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,203.99	340.16
26 28 16 16-0221 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,073.94	566.92
26 28 16 16-0222 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,864.13	755.85
26 28 16 16-0223 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,168.89	898.26
26 28 16 16-0224 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,742.85	1,020.33
26 28 16 16-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0226 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	816.15	188.93
26 28 16 16-0227 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,309.80	261.67
26 28 16 16-0228 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,700.79	300.11
26 28 16 16-0229 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,305.03	485.99
26 28 16 16-0230 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,068.66	810.58
26 28 16 16-0231 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,059.29	1,080.58
26 28 16 16-0232 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,288.96	1,285.67
26 28 16 16-0233 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,980.92	1,469.34



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235 EA 30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	886.01	208.15
26 28 16 16-0236 EA 60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,425.78	291.54
26 28 16 16-0237 EA 100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,837.48	329.13
26 28 16 16-0238 EA 200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,448.85	510.22
26 28 16 16-0239 EA 400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,394.17	850.26
26 28 16 16-0240 EA 600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,657.65	1,133.72
26 28 16 16-0241 EA 800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,248.12	1,346.89
26 28 16 16-0242 EA 1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	20,247.22	1,530.56
26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	451.98	208.15
26 28 16 16-0245 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,481.92	291.54
26 28 16 16-0246 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,915.76	329.13
26 28 16 16-0247 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,544.11	510.22
26 28 16 16-0248 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,640.81	850.26
26 28 16 16-0249 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,619.96	1,133.72
26 28 16 16-0250 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,227.01	1,346.89
26 28 16 16-0251 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	20,218.49	1,530.56
26 28 16 16-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	432.80	125.14
26 28 16 16-0255 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	617.86	150.11
26 28 16 16-0256 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	818.76	174.60
26 28 16 16-0257 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,704.01	266.19
26 28 16 16-0258 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,229.08	425.87
26 28 16 16-0259 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,546.87	568.14
26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	577.63	197.26
26 28 16 16-0262 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	840.06	260.93
26 28 16 16-0263 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,041.59	286.28
26 28 16 16-0264 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,060.10	443.62
26 28 16 16-0265 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,858.73	739.33
26 28 16 16-0266 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,393.12	986.17
26 28 16 16-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	656.28	197.14
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	918.89	260.93
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,295.46	286.28
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,224.08	443.62
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,964.07	739.45
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,215.70	986.17
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,248.88	1,117.19
26 28 16 16-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
26 28 16 16-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0275)</small>		
26 28 16 16-0277 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	391.47	109.59
26 28 16 16-0278 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	648.15	151.71
26 28 16 16-0279 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	677.33	173.99
26 28 16 16-0280 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,735.66	281.62
26 28 16 16-0281 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,318.24	469.94
26 28 16 16-0282 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,667.39	626.55
26 28 16 16-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0275)</small>		
26 28 16 16-0284 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	614.71	164.32
26 28 16 16-0285 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	887.33	227.51
26 28 16 16-0286 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,318.81	260.93
26 28 16 16-0287 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,273.94	422.56
26 28 16 16-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0291 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,993.22	122.44
26 28 16 16-0292 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,394.25	147.54
26 28 16 16-0293 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,919.66	172.41
26 28 16 16-0294 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,795.31	272.07
26 28 16 16-0295 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,850.47	422.19
26 28 16 16-0296 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,904.28	624.22
26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0298 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,534.73	136.04
26 28 16 16-0299 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,815.30	163.83
26 28 16 16-0300 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,317.73	191.51
26 28 16 16-0301 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,506.83	302.44
26 28 16 16-0302 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,375.35	469.45



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0303 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,606.65	693.53
26 28 16 16-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0305 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,224.84	192.48
26 28 16 16-0306 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,784.81	255.06
26 28 16 16-0307 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,368.03	283.46
26 28 16 16-0308 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,619.70	443.62
26 28 16 16-0309 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,894.03	728.79
26 28 16 16-0310 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,260.40	1,020.33
26 28 16 16-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0312 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,694.85	212.57
26 28 16 16-0313 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,062.17	283.46
26 28 16 16-0314 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,587.73	318.85
26 28 16 16-0315 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,895.16	485.86
26 28 16 16-0316 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,372.93	784.88
26 28 16 16-0317 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,870.44	1,133.72
26 28 16 16-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0319 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,669.71	192.48
26 28 16 16-0320 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,340.95	255.06
26 28 16 16-0321 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,480.86	283.46
26 28 16 16-0322 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,141.44	443.62
26 28 16 16-0323 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,889.01	728.79
26 28 16 16-0324 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	25,376.22	1,020.33
26 28 16 16-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
26 28 16 16-0326 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,220.52	212.57
26 28 16 16-0327 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,658.27	283.46
26 28 16 16-0328 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,723.64	318.85
26 28 16 16-0329 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,429.62	485.86
26 28 16 16-0330 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,408.33	784.88
26 28 16 16-0331 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	26,042.38	1,133.72
26 28 16 16-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>		
26 28 16 16-0334 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,911.13	122.44
26 28 16 16-0335 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,320.54	170.32
26 28 16 16-0336 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,401.32	195.91
26 28 16 16-0337 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,095.71	312.97

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0338 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,110.53	521.12
26 28 16 16-0339 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,922.64	709.93
26 28 16 16-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^{(26 28 16} ₁₆₋₀₃₃₂₎		
26 28 16 16-0341 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,174.50	135.05
26 28 16 16-0342 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,644.55	191.02
26 28 16 16-0343 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,017.63	217.70
26 28 16 16-0344 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,931.51	340.16
26 28 16 16-0345 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,626.24	559.82
26 28 16 16-0346 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,142.05	783.64
26 28 16 16-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^{(26 28 16} ₁₆₋₀₃₃₂₎		
26 28 16 16-0348 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,985.11	159.42
26 28 16 16-0349 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,391.96	221.87
26 28 16 16-0350 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,489.99	255.06
26 28 16 16-0351 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,825.77	408.11
26 28 16 16-0352 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,830.22	680.30
26 28 16 16-0353 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,835.62	927.64
26 28 16 16-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^{(26 28 16} ₁₆₋₀₃₃₂₎		
26 28 16 16-0355 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,256.12	175.96
26 28 16 16-0356 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,760.37	248.93
26 28 16 16-0357 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,149.12	283.46
26 28 16 16-0358 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,138.39	443.62
26 28 16 16-0359 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,294.26	728.79
26 28 16 16-0360 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,161.20	1,020.33
26 28 16 16-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^{(26 28 16} ₁₆₋₀₃₃₂₎		
26 28 16 16-0362 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,745.66	159.42
26 28 16 16-0363 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,284.03	221.87
26 28 16 16-0364 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,455.27	255.06
26 28 16 16-0365 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,367.89	408.11
26 28 16 16-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^{(26 28 16} ₁₆₋₀₃₃₂₎		
26 28 16 16-0367 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,125.32	175.96
26 28 16 16-0368 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,743.90	248.93
26 28 16 16-0369 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,504.12	283.46
26 28 16 16-0370 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,946.24	443.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 28 16 16-0371	Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0372	600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,632.43	212.44
26 28 16 16-0374	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,129.51	283.46
26 28 16 16-0375	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,473.61	318.97
26 28 16 16-0376	EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,708.94	486.11
26 28 16 16-0377	600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,407.68	175.71
26 28 16 16-0379	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,893.94	249.18
26 28 16 16-0380	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,069.88	283.46
26 28 16 16-0381	EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,594.45	443.87
26 28 16 16-0382	Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0383	600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,161.73	212.44
26 28 16 16-0385	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,721.78	283.46
26 28 16 16-0386	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,593.69	318.97
26 28 16 16-0387	600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,908.49	175.71
26 28 16 16-0389	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,454.73	249.18
26 28 16 16-0390	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,144.97	283.46
26 28 16 16-0391	NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small> Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392	Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small> Note: With fuses and neutral bar.		
26 28 16 16-0393	EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,270.93	244.89
26 28 16 16-0394	EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,689.50	291.54
26 28 16 16-0395	EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,090.01	329.13
26 28 16 16-0396	EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,729.53	510.22
26 28 16 16-0397	Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398	EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,513.45	291.54
26 28 16 16-0399	EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,944.67	329.13
26 28 16 16-0400	EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,438.93	510.22
26 28 16 16-0401	NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0402	Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small> Note: With fuses and neutral bar.		
26 28 16 16-0403	240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0404	EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	706.63	122.44
26 28 16 16-0405	EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	926.10	147.54

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0406 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,271.46	172.65
26 28 16 16-0407 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,149.54	271.83
26 28 16 16-0408 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,629.80	422.44
26 28 16 16-0409 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,396.26	624.47
26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0411 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,124.67	135.92
26 28 16 16-0412 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,153.27	164.08
26 28 16 16-0413 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,673.17	191.63
26 28 16 16-0414 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,617.00	302.44
26 28 16 16-0415 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,761.06	468.96
26 28 16 16-0416 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,460.00	693.65
26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0418 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	976.06	192.24
26 28 16 16-0419 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,355.19	255.30
26 28 16 16-0420 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,867.45	283.46
26 28 16 16-0421 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,769.65	443.87
26 28 16 16-0422 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,474.91	728.55
26 28 16 16-0423 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,829.90	1,020.58
26 28 16 16-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0425 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,311.84	212.44
26 28 16 16-0426 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,473.99	283.46
26 28 16 16-0427 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,199.61	318.97
26 28 16 16-0428 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,195.26	486.11
26 28 16 16-0429 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,760.17	784.88
26 28 16 16-0430 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,811.94	1,133.84
26 28 16 16-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0432 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,046.64	192.24
26 28 16 16-0433 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,403.67	255.30
26 28 16 16-0434 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,019.63	283.46
26 28 16 16-0435 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,960.71	443.87
26 28 16 16-0436 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,986.47	728.55
26 28 16 16-0437 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,175.49	1,020.58
26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0439 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,393.66	212.44
26 28 16 16-0440 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,692.25	283.46



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0441 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,349.68	318.97
26 28 16 16-0442 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,481.71	486.11
26 28 16 16-0443 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,223.96	784.88
26 28 16 16-0444 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,193.87	1,133.84
26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	740.98	176.93
26 28 16 16-0448 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	980.39	246.73
26 28 16 16-0449 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,308.39	283.46
26 28 16 16-0450 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,856.59	453.66
26 28 16 16-0451 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,130.31	756.10
26 28 16 16-0452 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,572.96	1,030.98
26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	826.31	195.30
26 28 16 16-0455 EA 60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,089.17	276.73
26 28 16 16-0456 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,458.46	314.68
26 28 16 16-0457 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,017.20	492.84
26 28 16 16-0458 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,371.10	809.97
26 28 16 16-0459 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,262.47	1,133.84
26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	953.79	159.18
26 28 16 16-0462 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,251.15	221.63
26 28 16 16-0463 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,678.30	255.30
26 28 16 16-0464 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,382.01	408.35
26 28 16 16-0465 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,072.91	680.18
26 28 16 16-0466 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,050.28	927.52
26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	927.51	175.71
26 28 16 16-0469 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,350.31	249.18
26 28 16 16-0470 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,794.55	283.46
26 28 16 16-0471 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,340.04	443.87
26 28 16 16-0472 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,079.35	728.55
26 28 16 16-0473 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,611.48	1,020.58
26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,155.69	159.18
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,365.98	221.63

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0477	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,148.70	255.30
26 28 16 16-0478	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,406.17	408.35
26 28 16 16-0479	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,228.23	520.39
26 28 16 16-0480			600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0481	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,197.60	175.71
26 28 16 16-0482	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,486.72	249.18
26 28 16 16-0483	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,292.45	283.46
26 28 16 16-0484	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,492.69	443.87
26 28 16 16-0485	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,585.46	685.69
26 28 16 16-0486			Double Throw Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0487			NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0488			240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0489	EA		30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	885.97	157.35
26 28 16 16-0490	EA		60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,316.24	205.71
26 28 16 16-0491	EA		100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,851.65	268.76
26 28 16 16-0492	EA		200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,471.63	349.58
26 28 16 16-0493	EA		400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,075.36	437.12
26 28 16 16-0494	EA		600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,078.96	701.00
26 28 16 16-0495	EA		800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,661.02	979.56
26 28 16 16-0496	EA		1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	18,752.72	1,102.01
26 28 16 16-0497	EA		1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	22,116.50	1,224.45
26 28 16 16-0498			240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0499	EA		30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,112.01	220.40
26 28 16 16-0500	EA		60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,557.69	287.74
26 28 16 16-0501	EA		100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,360.53	376.52
26 28 16 16-0502	EA		200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,483.70	489.78
26 28 16 16-0503	EA		400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,369.10	612.22
26 28 16 16-0504	EA		600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,643.42	979.56
26 28 16 16-0505	EA		800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,642.90	1,102.01
26 28 16 16-0506	EA		1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	19,609.90	1,224.45
26 28 16 16-0507	EA		1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	23,278.37	1,346.89
26 28 16 16-0508			240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0509	EA		30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,482.32	275.50
26 28 16 16-0510	EA		60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,167.91	359.99
26 28 16 16-0511	EA		100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,893.75	470.18
26 28 16 16-0512	EA		200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,342.75	611.00
26 28 16 16-0513	EA		400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,896.21	765.28
26 28 16 16-0514	EA		600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,714.66	1,226.28
26 28 16 16-0515	EA		800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	17,414.28	1,346.89
26 28 16 16-0516	EA		1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	23,271.42	1,408.11
26 28 16 16-0517	EA		1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	26,133.32	1,469.34
26 28 16 16-0518			600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0519	EA		60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,528.94	205.71
26 28 16 16-0520	EA		100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,310.35	268.76
26 28 16 16-0521	EA		200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,418.39	349.58
26 28 16 16-0522	EA		400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,168.52	437.12
26 28 16 16-0523	EA		600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,058.74	701.00
26 28 16 16-0524	EA		800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,731.26	979.56
26 28 16 16-0525	EA		1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	20,407.59	1,102.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0526 EA 1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	24,083.27	1,224.45
26 28 16 16-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0528 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,692.82	287.74
26 28 16 16-0529 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,525.19	376.52
26 28 16 16-0530 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,697.63	489.78
26 28 16 16-0531 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,518.43	612.22
26 28 16 16-0532 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,617.71	979.56
26 28 16 16-0533 EA 800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,786.79	1,102.01
26 28 16 16-0534 EA 1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,427.08	1,224.45
26 28 16 16-0535 EA 1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,336.84	1,346.89
26 28 16 16-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)		
26 28 16 16-0537 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,300.94	359.99
26 28 16 16-0538 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,086.54	470.18
26 28 16 16-0539 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,740.27	611.00
26 28 16 16-0540 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,744.25	765.28
26 28 16 16-0541 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,665.02	1,226.28
26 28 16 16-0542 EA 800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,886.33	1,346.89
26 28 16 16-0543 EA 1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	25,316.94	1,408.11
26 28 16 16-0544 EA 1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	28,452.78	1,469.34
26 28 16 16-0545 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)		
26 28 16 16-0546 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0547 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,333.90	268.76
26 28 16 16-0548 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,431.64	349.58
26 28 16 16-0549 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	17,999.35	437.12
26 28 16 16-0550 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	31,016.02	701.00
26 28 16 16-0551 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0552 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,052.07	375.90
26 28 16 16-0553 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,962.51	489.17
26 28 16 16-0554 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	18,510.63	612.22
26 28 16 16-0555 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	20,023.20	981.39
26 28 16 16-0556 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0557 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,967.29	275.62
26 28 16 16-0558 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,674.22	359.74
26 28 16 16-0559 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,162.71	470.06
26 28 16 16-0560 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,485.62	611.25
26 28 16 16-0561 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	12,791.49	765.28
26 28 16 16-0562 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,823.82	1,226.41
26 28 16 16-0563 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0564 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,986.03	205.71
26 28 16 16-0565 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,035.95	268.76
26 28 16 16-0566 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,567.88	349.58
26 28 16 16-0567 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,654.45	437.12
26 28 16 16-0568 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,375.25	701.00
26 28 16 16-0569 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0545)		
26 28 16 16-0570 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,233.61	287.74
26 28 16 16-0571 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,382.58	375.90
26 28 16 16-0572 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,103.31	489.17
26 28 16 16-0573 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,654.45	612.22
26 28 16 16-0574 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	15,616.18	981.39

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0575 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0545)</small>		
26 28 16 16-0576 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,705.06	359.74
26 28 16 16-0577 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,176.85	470.06
26 28 16 16-0578 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,682.01	611.25
26 28 16 16-0579 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	12,768.30	765.28
26 28 16 16-0580 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch...	14,951.63	1,226.41
26 28 16 16-0581 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0582 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0583 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,393.35	157.47
26 28 16 16-0584 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,703.03	205.58
26 28 16 16-0585 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,047.89	268.64
26 28 16 16-0586 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,195.83	349.34
26 28 16 16-0587 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,903.49	437.26
26 28 16 16-0588 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	11,572.57	700.75
26 28 16 16-0589 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0590 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,738.61	220.40
26 28 16 16-0591 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,231.36	287.74
26 28 16 16-0592 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,824.47	375.90
26 28 16 16-0593 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,342.61	489.17
26 28 16 16-0594 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,820.29	612.22
26 28 16 16-0595 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	12,925.70	981.39
26 28 16 16-0596 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0597 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,107.66	275.62
26 28 16 16-0598 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,794.97	359.74
26 28 16 16-0599 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,580.89	470.06
26 28 16 16-0600 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,947.35	611.25
26 28 16 16-0601 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	16,672.00	765.28
26 28 16 16-0602 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	20,633.85	1,226.41
26 28 16 16-0603 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0604 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,585.42	205.58
26 28 16 16-0605 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,754.74	268.64
26 28 16 16-0606 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,165.94	349.34
26 28 16 16-0607 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	10,360.78	437.26
26 28 16 16-0608 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	13,877.80	700.75
26 28 16 16-0609 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0610 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,916.91	287.74
26 28 16 16-0611 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,951.71	375.90
26 28 16 16-0612 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,785.22	489.17
26 28 16 16-0613 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	11,209.60	612.22
26 28 16 16-0614 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	15,092.01	981.39
26 28 16 16-0615 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0581)</small>		
26 28 16 16-0616 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,845.24	359.74
26 28 16 16-0617 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,951.71	470.06
26 28 16 16-0618 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,165.91	611.25
26 28 16 16-0619 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	17,142.46	765.28
26 28 16 16-0620 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	21,257.43	1,226.41
26 28 16 16-0621 Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 16-0001)</small> Note: Includes storage and cleaning.		
26 28 16 16-0622 EA Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	612.22	
26 28 16 16-0623 EA Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	795.92	
26 28 16 16-0624 EA Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	887.79	
26 28 16 16-0625 EA Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,040.85	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0626	Bolted Contact Switches <small>(26 28 16 16)</small>		
	Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0627	Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0626)</small>		
26 28 16 16-0628	Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0627)</small>		
26 28 16 16-0629	EA 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	10,111.99	1,224.45
26 28 16 16-0630	EA 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	10,930.55	1,469.34
26 28 16 16-0631	EA 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	11,881.87	1,714.23
26 28 16 16-0632	EA 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	12,529.72	1,959.12
26 28 16 16-0633	EA 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	14,151.27	2,204.00
26 28 16 16-0634	EA 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	17,783.42	2,448.90
26 28 16 16-0635	EA 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	24,010.80	2,938.68
26 28 16 16-0636	Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0627)</small>		
26 28 16 16-0637	EA 800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	10,725.29	1,224.45
26 28 16 16-0638	EA 1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	11,663.98	1,469.34
26 28 16 16-0639	EA 1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	12,608.98	1,714.23
26 28 16 16-0640	EA 2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	13,572.96	1,959.12
26 28 16 16-0641	EA 2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	15,276.71	2,204.00
26 28 16 16-0642	EA 3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	19,895.20	2,448.90
26 28 16 16-0643	EA 4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	26,211.09	2,938.68
26 28 16 16-0644	Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0626)</small>		
26 28 16 16-0645	Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0644)</small>		
26 28 16 16-0646	EA 800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	7,355.30	1,224.45
26 28 16 16-0647	EA 1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	8,206.74	1,469.34
26 28 16 16-0648	EA 1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	9,110.01	1,714.23
26 28 16 16-0649	EA 2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	10,005.71	1,959.12
26 28 16 16-0650	EA 2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	10,964.64	2,204.00
26 28 16 16-0651	EA 3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	14,596.79	2,448.90
26 28 16 16-0652	EA 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	20,748.29	2,938.68
26 28 16 16-0653	Bottom Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0644)</small>		
26 28 16 16-0654	EA 800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	7,761.22	1,224.45
26 28 16 16-0655	EA 1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	8,820.04	1,469.34
26 28 16 16-0656	EA 1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	9,704.34	1,714.23
26 28 16 16-0657	EA 2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	10,790.98	1,959.12
26 28 16 16-0658	EA 2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	11,950.98	2,204.00
26 28 16 16-0659	EA 3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	16,550.50	2,448.90
26 28 16 16-0660	EA 4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	22,796.84	2,938.68

26 29 Low-Voltage Controllers (26 20)

26 29 13 Enclosed Controllers (26 29)

26 29 13 13 Across-The-Line Motor Controllers (26 29 13)

26 29 13 13-0001 Manual Motor Starters (26 29 13 13)

26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0003	EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	231.62	61.37
	For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.02	
	For Oversized Enclosure, Add	30.38	
	For Pilot Light, Add	44.56	
26 29 13 13-0004	EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	303.39	79.78
	For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.02	
	For Oversized Enclosure, Add	30.38	
	For Pilot Light, Add	44.56	
26 29 13 13-0005	EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	262.00	61.37
	For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.02	
	For Oversized Enclosure, Add	30.38	
	For Pilot Light, Add	44.56	
26 29 13 13-0006	EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	333.78	79.78
	For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.02	
	For Oversized Enclosure, Add	30.38	
	For Pilot Light, Add	44.56	
26 29 13 13-0007	EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	244.78	61.37
	For Oversized Enclosure, Add	30.38	
26 29 13 13-0008	EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	320.61	79.78
	For Oversized Enclosure, Add	30.38	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0009	EA		NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	493.14	73.65
			<i>For Pilot Light, Add</i>	116.46	
26 29 13 13-0010	EA		NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	567.95	92.05
			<i>For Pilot Light, Add</i>	116.46	
26 29 13 13-0011	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	523.52	73.65
26 29 13 13-0012	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	595.29	92.05
26 29 13 13-0013			Non-Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014	EA		NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1)	187.23	61.37
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0015	EA		NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	305.17	79.78
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0016	EA		NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	211.24	67.50
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0017	EA		NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	330.14	85.92
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0018	EA		NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3)	215.57	61.37
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0019	EA		NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	334.49	79.78
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0020	EA		NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	454.13	73.65
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0021	EA		NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	561.30	92.05
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0022	EA		NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	479.11	79.78
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0023	EA		NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	583.36	98.19
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0024	EA		NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	481.49	73.65
26 29 13 13-0025	EA		NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	596.48	92.05
26 29 13 13-0026	EA		Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	136.73	42.96
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0027	EA		Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	254.66	61.37
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0028	EA		Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	160.73	49.10
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0029	EA		Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	278.67	67.50
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0030			Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0031	EA		NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	501.39	110.47
			<i>For Pilot Light, Add</i>	113.35	
26 29 13 13-0032	EA		NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	725.52	147.29
			<i>For Pilot Light, Add</i>	113.35	
26 29 13 13-0033			Two Speed Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0034	EA		NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	501.39	110.47

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0076	EA		NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,559.88	141.15
26 29 13 13-0077	EA		Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,400.15	104.33
26 29 13 13-0078			Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079	EA		NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,319.62	128.87
26 29 13 13-0080	EA		Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,159.89	92.05
26 29 13 13-0081	EA		NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,559.88	141.15
26 29 13 13-0082	EA		Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,400.15	104.33
26 29 13 13-0083			Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084			Non-Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085			Open Enclosure, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11).....	536.14	122.74
			<i>For Factory Installed Accessory, Deduct</i>	-245.49	
26 29 13 13-0087	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12).....	603.21	135.02
			<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0088	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5).....	578.67	122.74
			<i>For Factory Installed Accessory, Deduct</i>	-245.49	
26 29 13 13-0089	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1).....	646.76	135.02
			<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0090	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2).....	713.85	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0091	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3).....	901.93	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0092	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,134.57	220.94
			<i>For Factory Installed Accessory, Deduct</i>	-441.87	
26 29 13 13-0093	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5).....	674.10	135.02
			<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1).....	741.19	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2).....	810.30	159.57
			<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,036.22	214.80
			<i>For Factory Installed Accessory, Deduct</i>	-429.60	
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,267.85	251.62
			<i>For Factory Installed Accessory, Deduct</i>	-503.25	
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,132.10	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,261.45	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,644.46	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,694.89	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,934.09	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,459.89	306.86
			<i>For Factory Installed Accessory, Deduct</i>	-613.70	
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,506.24	368.23
			<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1).....	3,815.92	306.86
			<i>For Factory Installed Accessory, Deduct</i>	-613.70	
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,198.94	368.23
			<i>For Factory Installed Accessory, Deduct</i>	-736.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,676.69	429.60
<i>For Factory Installed Accessory, Deduct</i>	-859.19	
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,675.60	368.23
<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,527.70	490.97
<i>For Factory Installed Accessory, Deduct</i>	-981.93	
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2).....	22,070.59	736.45
<i>For Factory Installed Accessory, Deduct</i>	-1,472.90	
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2).....	31,606.56	1,104.68
<i>For Factory Installed Accessory, Deduct</i>	-2,209.35	
26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11).....	567.53	122.74
<i>For Factory Installed Accessory, Deduct</i>	-245.49	
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12).....	634.61	135.02
<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5).....	610.07	122.74
<i>For Factory Installed Accessory, Deduct</i>	-245.49	
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1).....	679.17	135.02
<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2).....	746.25	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3).....	936.37	184.11
<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,170.01	220.94
<i>For Factory Installed Accessory, Deduct</i>	-441.87	
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5).....	707.52	135.02
<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1).....	776.63	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2).....	843.72	159.57
<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3).....	1,070.65	214.80
<i>For Factory Installed Accessory, Deduct</i>	-429.60	
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,301.27	251.62
<i>For Factory Installed Accessory, Deduct</i>	-503.25	
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,281.98	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,412.34	184.11
<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,794.34	245.49
<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,989.59	184.11
<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,227.78	245.49
<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,754.59	306.86
<i>For Factory Installed Accessory, Deduct</i>	-613.70	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,426.59	306.86
<i>For Factory Installed Accessory, Deduct</i>	-613.70	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,809.61	368.23
<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,640.68	490.97
<i>For Factory Installed Accessory, Deduct</i>	-981.93	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2).....	26,965.06	736.45
<i>For Factory Installed Accessory, Deduct</i>	-1,472.90	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2) <i>For Factory Installed Accessory, Deduct</i>	36,515.21 -2,209.35	1,104.68
26 29 13	13-0136		NEMA 12, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13	13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1) <i>For Factory Installed Accessory, Deduct</i>	852.34 -270.03	135.02
26 29 13	13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2) <i>For Factory Installed Accessory, Deduct</i>	919.43 -294.58	147.29
26 29 13	13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2) <i>For Factory Installed Accessory, Deduct</i>	1,016.89 -319.13	159.57
26 29 13	13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1) <i>For Factory Installed Accessory, Deduct</i>	1,597.95 -294.58	147.29
26 29 13	13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2) <i>For Factory Installed Accessory, Deduct</i>	1,729.32 -368.23	184.11
26 29 13	13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1) <i>For Factory Installed Accessory, Deduct</i>	2,364.30 -368.23	184.11
26 29 13	13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2) <i>For Factory Installed Accessory, Deduct</i>	2,601.48 -490.97	245.49
26 29 13	13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2) <i>For Factory Installed Accessory, Deduct</i>	6,050.19 -736.45	368.23
26 29 13	13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2) <i>For Factory Installed Accessory, Deduct</i>	12,815.55 -981.93	490.97
26 29 13	13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2) <i>For Factory Installed Accessory, Deduct</i>	30,857.95 -1,472.90	736.45
26 29 13	13-0147		NEMA 4/4X, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small> Note: Brushed stainless steel enclosure.		
26 29 13	13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12) <i>For Factory Installed Accessory, Deduct</i>	1,251.60 -294.58	147.29
26 29 13	13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11) <i>For Factory Installed Accessory, Deduct</i>	1,296.16 -294.58	147.29
26 29 13	13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12) <i>For Factory Installed Accessory, Deduct</i>	1,363.24 -319.13	159.57
26 29 13	13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13) <i>For Factory Installed Accessory, Deduct</i>	1,590.18 -429.60	214.80
26 29 13	13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12) <i>For Factory Installed Accessory, Deduct</i>	2,451.39 -368.23	184.11
26 29 13	13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12) <i>For Factory Installed Accessory, Deduct</i>	3,698.25 -490.97	245.49
26 29 13	13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12) <i>For Factory Installed Accessory, Deduct</i>	7,320.14 -736.45	368.23
26 29 13	13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12) <i>For Factory Installed Accessory, Deduct</i>	12,815.55 -981.93	490.97
26 29 13	13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2) <i>For Factory Installed Accessory, Deduct</i>	34,175.62 -1,472.90	736.45
26 29 13	13-0157		NEMA 7/9, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small> Note: Bolted cast iron enclosure.		
26 29 13	13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2) <i>For Factory Installed Accessory, Deduct</i>	2,489.11 -392.78	196.39
26 29 13	13-0159		Non-Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13	13-0160		Open Enclosure, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13	13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11) <i>For Factory Installed Accessory, Deduct</i>	636.40 -245.49	122.74
26 29 13	13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12) <i>For Factory Installed Accessory, Deduct</i>	660.94 -270.03	135.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1).....	710.56	135.02
<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2).....	785.75	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4).....	1,261.16	220.94
<i>For Factory Installed Accessory, Deduct</i>	-441.87	
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1).....	808.03	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3).....	947.02	159.57
<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2).....	989.55	159.57
<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6).....	1,224.26	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1).....	1,392.09	184.11
<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1).....	2,149.80	245.49
<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1).....	4,531.11	368.23
<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1).....	10,250.33	490.97
<i>For Factory Installed Accessory, Deduct</i>	-981.93	
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2).....	23,505.61	736.45
<i>For Factory Installed Accessory, Deduct</i>	-1,472.90	
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2).....	33,866.95	1,104.68
<i>For Factory Installed Accessory, Deduct</i>	-2,209.35	
26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11).....	669.82	122.74
<i>For Factory Installed Accessory, Deduct</i>	-245.49	
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12).....	694.36	135.02
<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1).....	743.98	135.02
<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2).....	819.17	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1).....	840.44	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3).....	916.63	159.57
<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2).....	1,023.98	159.57
<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6).....	1,375.15	147.29
<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1).....	1,542.98	184.11
<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1).....	2,444.51	245.49
<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1).....	5,141.78	368.23
<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1).....	11,366.35	490.97
<i>For Factory Installed Accessory, Deduct</i>	-981.93	
26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1).....	917.16	135.02
<i>For Factory Installed Accessory, Deduct</i>	-270.03	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0191	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2).....	992.34	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0192	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,013.61	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0193	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3).....	1,089.81	159.57
			<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0194	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2).....	1,197.16	159.57
			<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0195	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6).....	1,692.13	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0196	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1).....	1,858.95	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0197	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	2,818.20	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0198	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,381.35	368.23
			<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0199	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1).....	14,538.19	490.97
			<i>For Factory Installed Accessory, Deduct</i>	-981.93	
26 29 13 13-0200	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2).....	34,616.15	736.45
			<i>For Factory Installed Accessory, Deduct</i>	-1,472.90	
26 29 13 13-0201			NEMA 3R, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1).....	917.16	135.02
			<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2).....	992.34	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1).....	1,013.61	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,089.81	159.57
			<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,197.16	159.57
			<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6).....	1,692.13	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1).....	1,858.95	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	2,818.20	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1).....	6,381.35	368.23
			<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0211			NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
			Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,594.68	208.66
			<i>For Factory Installed Accessory, Deduct</i>	-417.33	
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,184.08	208.66
			<i>For Factory Installed Accessory, Deduct</i>	-417.33	
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3).....	3,281.53	220.94
			<i>For Factory Installed Accessory, Deduct</i>	-441.87	
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1).....	5,075.55	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43).....	6,121.88	306.86
			<i>For Factory Installed Accessory, Deduct</i>	-613.70	
26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT1).....	9,748.84	429.60
			<i>For Factory Installed Accessory, Deduct</i>	-859.19	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0218				NEMA 4/4X, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA			Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11).....	1,248.32	135.02
				<i>For Factory Installed Accessory, Deduct</i>	-270.03	
26 29 13 13-0220	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12).....	1,324.52	147.29
				<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0221	EA			Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11).....	1,359.96	147.29
				<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0222	EA			Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13).....	1,436.16	159.57
				<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0223	EA			Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12).....	1,543.51	159.57
				<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0224	EA			Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16).....	2,412.18	147.29
				<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13 13-0225	EA			Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11).....	3,913.96	245.49
				<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0226	EA			Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11).....	7,650.28	368.23
				<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0227	EA			Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11).....	16,977.83	490.97
				<i>For Factory Installed Accessory, Deduct</i>	-981.93	
26 29 13 13-0228				NEMA 4X, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Glass polyester enclosure.		
26 29 13 13-0229	EA			Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21).....	2,582.03	184.11
				<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0230	EA			Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21).....	4,770.72	245.49
				<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0231	EA			Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21).....	9,380.01	368.23
				<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13 13-0232				NEMA 7/9, Non-Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small> Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA			Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1).....	2,510.38	196.39
				<i>For Factory Installed Accessory, Deduct</i>	-392.78	
26 29 13 13-0234	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2).....	2,594.68	208.66
				<i>For Factory Installed Accessory, Deduct</i>	-417.33	
26 29 13 13-0235	EA			Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1).....	2,631.13	208.66
				<i>For Factory Installed Accessory, Deduct</i>	-417.33	
26 29 13 13-0236	EA			Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3).....	2,711.37	220.94
				<i>For Factory Installed Accessory, Deduct</i>	-441.87	
26 29 13 13-0237	EA			Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2).....	2,834.93	220.94
				<i>For Factory Installed Accessory, Deduct</i>	-441.87	
26 29 13 13-0238	EA			Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1).....	4,160.05	245.49
				<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0239				Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0240				Open Enclosure, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241	EA			Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,193.11	159.57
				<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0242	EA			Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,256.91	159.57
				<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13 13-0243	EA			Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,390.83	171.84
				<i>For Factory Installed Accessory, Deduct</i>	-343.68	
26 29 13 13-0244	EA			Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,443.74	184.11
				<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13 13-0245	EA			Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,479.18	184.11
				<i>For Factory Installed Accessory, Deduct</i>	-368.23	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,582.72	196.39
			<i>For Factory Installed Accessory, Deduct</i>	-392.78	
26 29 13	13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,649.93	214.80
			<i>For Factory Installed Accessory, Deduct</i>	-429.60	
26 29 13	13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,686.38	214.80
			<i>For Factory Installed Accessory, Deduct</i>	-429.60	
26 29 13	13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,869.85	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13	13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,688.08	368.23
			<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13	13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	10,755.89	552.34
			<i>For Factory Installed Accessory, Deduct</i>	-1,104.68	
26 29 13	13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	20,014.77	736.45
			<i>For Factory Installed Accessory, Deduct</i>	-1,472.90	
26 29 13	13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	64,729.36	1,350.16
			<i>For Factory Installed Accessory, Deduct</i>	-2,700.32	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>					
26 29 13	13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,229.32	147.29
			<i>For Factory Installed Accessory, Deduct</i>	-294.58	
26 29 13	13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,284.25	159.57
			<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13	13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,320.71	159.57
			<i>For Factory Installed Accessory, Deduct</i>	-319.13	
26 29 13	13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,451.59	171.84
			<i>For Factory Installed Accessory, Deduct</i>	-343.68	
26 29 13	13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,506.53	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13	13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,542.98	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13	13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,673.87	196.39
			<i>For Factory Installed Accessory, Deduct</i>	-392.78	
26 29 13	13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,741.07	214.80
			<i>For Factory Installed Accessory, Deduct</i>	-429.60	
26 29 13	13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,777.53	214.80
			<i>For Factory Installed Accessory, Deduct</i>	-429.60	
26 29 13	13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	3,106.82	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13	13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	5,098.23	368.23
			<i>For Factory Installed Accessory, Deduct</i>	-736.45	
26 29 13	13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	11,509.36	552.34
			<i>For Factory Installed Accessory, Deduct</i>	-1,104.68	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>					
26 29 13	13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,765.78	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13	13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,802.24	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	
26 29 13	13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	2,036.79	214.80
			<i>For Factory Installed Accessory, Deduct</i>	-429.60	
26 29 13	13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,540.27	245.49
			<i>For Factory Installed Accessory, Deduct</i>	-490.97	
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>					
			Note: Brushed stainless steel enclosure.		
26 29 13	13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,205.30	184.11
			<i>For Factory Installed Accessory, Deduct</i>	-368.23	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11) <i>For Factory Installed Accessory, Deduct</i>	2,597.47 -392.78	196.39
26 29 13	13-0275		Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13	13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2) <i>For Factory Installed Accessory, Deduct</i>	164.64 -30.68	15.35
26 29 13	13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3) <i>For Factory Installed Accessory, Deduct</i>	278.97 -30.68	15.35
26 29 13	13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2) <i>For Factory Installed Accessory, Deduct</i>	164.64 -30.68	15.35
26 29 13	13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8) <i>For Factory Installed Accessory, Deduct</i>	278.97 -30.68	15.35
26 29 13	13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R) <i>For Factory Installed Accessory, Deduct</i>	278.97 -30.68	15.35
26 29 13	13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11) <i>For Factory Installed Accessory, Deduct</i>	138.88 -24.55	12.27
26 29 13	13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6) <i>For Factory Installed Accessory, Deduct</i>	123.87 -24.55	12.27
26 29 13	13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8) <i>For Factory Installed Accessory, Deduct</i>	164.64 -30.68	15.35
26 29 13	13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13) <i>For Factory Installed Accessory, Deduct</i>	138.88 -24.55	12.27
26 29 13	13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15) <i>For Factory Installed Accessory, Deduct</i>	185.43 -30.68	15.35
26 29 13	13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6) <i>For Factory Installed Accessory, Deduct</i>	207.02 -24.55	12.27
26 29 13	13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11) <i>For Factory Installed Accessory, Deduct</i>	355.99 -24.55	12.27
26 29 13	13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21) <i>For Factory Installed Accessory, Deduct</i>	377.94 -24.55	12.27
26 29 13	13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8) <i>For Factory Installed Accessory, Deduct</i>	452.20 -30.68	15.35
26 29 13	13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13) <i>For Factory Installed Accessory, Deduct</i>	788.26 -30.68	15.35
26 29 13	13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23) <i>For Factory Installed Accessory, Deduct</i>	788.26 -30.68	15.35
26 29 13	13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1) <i>For Factory Installed Accessory, Deduct</i>	48.56 -18.41	9.20
26 29 13	13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3) <i>For Factory Installed Accessory, Deduct</i>	98.46 -24.55	12.27
26 29 13	13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4) <i>For Factory Installed Accessory, Deduct</i>	130.00 -30.68	15.35
26 29 13	13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1) <i>For Factory Installed Accessory, Deduct</i>	102.28 -30.68	15.35
26 29 13	13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7) <i>For Factory Installed Accessory, Deduct</i>	56.88 -18.41	9.20
26 29 13	13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1) <i>For Factory Installed Accessory, Deduct</i>	34.93 -18.41	9.20
26 29 13	13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39) <i>For Factory Installed Accessory, Deduct</i>	180.46 -24.55	12.27
26 29 13	13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40) <i>For Factory Installed Accessory, Deduct</i>	311.31 -30.68	15.35
26 29 13	13-0300		Definite Purpose Starters (26 29 13 13)		
26 29 13	13-0301		Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13	13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13) <i>For Factory Installed Accessory, Deduct</i>	595.36 -294.58	147.29
26 29 13	13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22) <i>For Factory Installed Accessory, Deduct</i>	594.34 -294.58	147.29
26 29 13	13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23) <i>For Factory Installed Accessory, Deduct</i>	643.20 -319.13	159.57
26 29 13	13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) <i>For Factory Installed Accessory, Deduct</i>	631.82 -294.58	147.29
26 29 13	13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) <i>For Factory Installed Accessory, Deduct</i>	686.75 -319.13	159.57
26 29 13	13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) <i>For Factory Installed Accessory, Deduct</i>	664.22 -294.58	147.29
26 29 13	13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) <i>For Factory Installed Accessory, Deduct</i>	772.30 -368.23	184.11

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) <i>For Factory Installed Accessory, Deduct</i>	856.36 -368.23	184.11
26 29 13	13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) <i>For Factory Installed Accessory, Deduct</i>	1,075.71 -429.60	214.80
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)					
26 29 13	13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) <i>For Factory Installed Accessory, Deduct</i>	606.25 -270.03	135.02
26 29 13	13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) <i>For Factory Installed Accessory, Deduct</i>	655.11 -294.58	147.29
26 29 13	13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) <i>For Factory Installed Accessory, Deduct</i>	653.08 -294.58	147.29
26 29 13	13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) <i>For Factory Installed Accessory, Deduct</i>	704.98 -319.13	159.57
26 29 13	13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) <i>For Factory Installed Accessory, Deduct</i>	691.57 -294.58	147.29
26 29 13	13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) <i>For Factory Installed Accessory, Deduct</i>	747.51 -319.13	159.57
26 29 13	13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) <i>For Factory Installed Accessory, Deduct</i>	726.00 -294.58	147.29
26 29 13	13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) <i>For Factory Installed Accessory, Deduct</i>	833.07 -368.23	184.11
26 29 13	13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) <i>For Factory Installed Accessory, Deduct</i>	914.09 -368.23	184.11
26 29 13	13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) <i>For Factory Installed Accessory, Deduct</i>	1,134.45 -429.60	214.80
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)					
26 29 13	13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i>	185.43 -30.68	15.35
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)					
26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)					
26 29 13	13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	180.46	61.37
26 29 13	13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	210.97	67.50
26 29 13	13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	210.97	67.50
26 29 13	13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	234.38	73.65
26 29 13	13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	198.69	61.37
26 29 13	13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	208.82	61.37
26 29 13	13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	228.19	67.50
26 29 13	13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	238.32	67.50
26 29 13	13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	234.27	67.50
26 29 13	13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	238.32	67.50
26 29 13	13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	254.64	73.65



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	244.39	67.50
	26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	264.77	73.65
	26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	246.42	67.50
	26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	246.42	67.50
	26 29 13 13-0341	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	274.89	73.65
	26 29 13 13-0342	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	274.89	73.65
	26 29 13 13-0343			Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
	26 29 13 13-0344	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	254.39	61.37
	26 29 13 13-0345	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	274.65	61.37
	26 29 13 13-0346	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	304.14	67.50
	26 29 13 13-0347	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	304.14	67.50
	26 29 13 13-0348	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	324.40	67.50
	26 29 13 13-0349	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	340.72	73.65
	26 29 13 13-0350	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	340.72	73.65
	26 29 13 13-0351	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	291.86	61.37
	26 29 13 13-0352	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	312.12	61.37
	26 29 13 13-0353	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	339.59	67.50
	26 29 13 13-0354	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	359.84	67.50
	26 29 13 13-0355	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	382.24	73.65
	26 29 13 13-0356	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	402.50	73.65
	26 29 13 13-0357	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	328.45	67.50
	26 29 13 13-0358	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	376.05	67.50
	26 29 13 13-0359	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	424.77	73.65
	26 29 13 13-0360			Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
	26 29 13 13-0361	EA		2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	77.27	30.68
	26 29 13 13-0362	EA		4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	85.09	30.68
	26 29 13 13-0363	EA		Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	99.25	30.68
	26 29 13 13-0364	EA		Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	127.41	30.68
	26 29 13 13-0365			Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
	26 29 13 13-0366			NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
	26 29 13 13-0367	EA		Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing <small>For NEMA 4, Add</small>	7,284.06 760.45	587.74

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,681.96	783.64
For NEMA 4, Add	1,389.02	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	22,136.62	930.58
For NEMA 4, Add	2,535.17	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	53,820.56	1,138.74
For NEMA 4, Add	6,444.13	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	85,816.62	1,457.09
For NEMA 4, Add	10,362.66	
26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,233.39	600.22
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,589.41	784.88
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,967.69	927.64
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	53,391.16	1,133.72
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	85,126.11	1,457.70
26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.16	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	197.60	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	336.35	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	182.75	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	262.77	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	131.39	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	428.84	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,723.80	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,664.95	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	588.61	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	487.73	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,278.25	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,166.64	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,862.86	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	382.62	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	382.62	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	382.62	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	382.62	
26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401 240-600 Volt, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402 NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,457.38	281.62
For Electronic Overloads, Add	169.20	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,826.72	440.80
For Electronic Overloads, Add	178.49	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,507.82	514.27
For Electronic Overloads, Add	282.62	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,751.29	636.71
For Electronic Overloads, Add	470.41	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,816.24	1,016.30
For Electronic Overloads, Add	907.34	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,272.94	1,273.43
For Electronic Overloads, Add	2,037.18	
26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,809.67	281.62
<i>For Electronic Overloads, Add</i>	236.13	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,179.01	440.80
<i>For Electronic Overloads, Add</i>	245.43	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,850.32	514.27
<i>For Electronic Overloads, Add</i>	347.69	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,937.22	636.71
<i>For Electronic Overloads, Add</i>	505.73	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,882.89	1,016.30
<i>For Electronic Overloads, Add</i>	1,110.01	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	16,101.05	1,273.43
<i>For Electronic Overloads, Add</i>	2,574.52	
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	160.43	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	376.81	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	260.06	
26 29 13 13-0420 NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,585.78	367.34
<i>For Electronic Overloads, Add</i>	347.69	
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,899.25	514.27
<i>For Electronic Overloads, Add</i>	356.99	
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,069.50	563.25
<i>For Electronic Overloads, Add</i>	557.79	
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,361.06	685.69
<i>For Electronic Overloads, Add</i>	950.11	
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,045.56	1,016.30
<i>For Electronic Overloads, Add</i>	1,520.91	
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	21,512.61	1,273.43
<i>For Electronic Overloads, Add</i>	3,602.72	
26 29 13 13-0427 NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,938.07	367.34
<i>For Electronic Overloads, Add</i>	414.63	
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,251.54	514.27
<i>For Electronic Overloads, Add</i>	423.92	
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,412.00	563.25
<i>For Electronic Overloads, Add</i>	622.87	
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,546.99	685.69
<i>For Electronic Overloads, Add</i>	985.43	
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	11,112.22	1,016.30
<i>For Electronic Overloads, Add</i>	1,723.58	
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	20,406.81	1,273.43
<i>For Electronic Overloads, Add</i>	3,392.62	
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	160.45	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	376.81	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	260.06	
26 29 13 13-0438 NEMA 12 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,501.90	283.46
<i>For Electronic Overloads, Add</i>	177.66	
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,873.69	443.62
<i>For Electronic Overloads, Add</i>	187.42	
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,582.19	510.22
<i>For Electronic Overloads, Add</i>	296.75	
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,875.07	637.69
<i>For Electronic Overloads, Add</i>	493.92	
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,055.01	1,020.46
<i>For Electronic Overloads, Add</i>	952.71	
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,809.03	1,275.39
<i>For Electronic Overloads, Add</i>	2,139.04	
26 29 13 13-0445 NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,922.56	283.46
<i>For Electronic Overloads, Add</i>	257.58	
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,296.35	443.62
<i>For Electronic Overloads, Add</i>	267.72	
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,016.55	510.22
<i>For Electronic Overloads, Add</i>	379.27	
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,179.00	637.69
<i>For Electronic Overloads, Add</i>	551.67	
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,413.58	1,020.46
<i>For Electronic Overloads, Add</i>	1,210.84	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	17,331.91 2,808.39	1,275.39
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	159.12	783.64
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	373.68	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	257.90	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,313.34	587.74
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,483.89	783.64
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,965.33	1,077.52
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	7,325.15	1,469.34
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,975.14	2,057.07
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	954.10	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	954.10	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	954.10	
26 29 13 13-0466 Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467 240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468 NEMA 1 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,817.03	367.34
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,152.64	514.27
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,026.39	563.25
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,496.73	685.69
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	8,609.31	1,016.30
26 29 13 13-0474 NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,002.91	367.34
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,351.05	514.27
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,258.66	563.25
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,176.95	685.69
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,237.59	1,016.30
26 29 13 13-0480 NEMA 12 With Disconnect Switch (26 29 13 13-0467)		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,925.12	377.99
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,267.96	510.22
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,219.16	566.92
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,816.18	680.30
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,278.36	1,020.46
26 29 13 13-0486 NEMA 12 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,129.93	377.99
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,486.59	510.22
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,475.10	566.92
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,463.82	680.30
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,970.63	1,020.46
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,045.49	783.64
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,399.56	979.56
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,273.96	1,273.43
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	9,843.34	1,665.25
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	17,666.08	2,252.98
26 29 13 13-0498 Solid State Motor Controllers (26 29 13 13)		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,409.41	220.40
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,669.51	220.40
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters (26 29 13 13)		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	874.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0504 Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Normally Open, Auxiliary Contact	447.40	122.44
26 29 13 13-0506 EA Normally Closed, Auxiliary Contact	447.40	122.44
26 29 13 13-0507 EA Pilot Light Kit.....	467.83	122.44
 26 29 23 Variable-Frequency Motor Controllers <small>(26 29)</small>		
26 29 23 00-0001 208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives <small>(26 29 23)</small>		
<small>Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.</small>		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	2,326.78	455.16
For 6-Pulse Drive Package, Deduct	-778.99	
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	2,620.89	497.46
For 6-Pulse Drive Package, Deduct	-896.81	
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	3,047.15	546.99
For 6-Pulse Drive Package, Deduct	-1,074.24	
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	3,215.15	525.78
For 6-Pulse Drive Package, Deduct	-1,189.97	
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	3,446.17	573.25
For 6-Pulse Drive Package, Deduct	-1,264.82	
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	3,729.69	573.25
For 6-Pulse Drive Package, Deduct	-1,420.76	
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	4,456.15	684.45
For 6-Pulse Drive Package, Deduct	-1,697.98	
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	4,865.69	684.45
For 6-Pulse Drive Package, Deduct	-1,923.23	
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	6,408.50	1,030.58
For 6-Pulse Drive Package, Deduct	-2,391.04	
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive	7,542.60	1,030.58
For 6-Pulse Drive Package, Deduct	-3,014.79	
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive	9,195.95	1,369.03
For 6-Pulse Drive Package, Deduct	-3,551.91	
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive	10,613.56	1,369.03
For 6-Pulse Drive Package, Deduct	-4,331.59	
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive	11,842.16	1,369.03
For 6-Pulse Drive Package, Deduct	-5,007.32	
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive	15,621.10	1,730.63
For 6-Pulse Drive Package, Deduct	-6,687.98	
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive	18,837.75	2,047.30
For 6-Pulse Drive Package, Deduct	-8,108.74	
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive	21,357.95	2,047.30
For 6-Pulse Drive Package, Deduct	-9,494.85	
 26 29 23 00-0018 460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives <small>(26 29 23)</small>		
<small>Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.</small>		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive	5,544.20	818.94
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,148.47	
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive	5,733.21	818.94
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,252.43	
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive	6,267.28	975.78
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,373.71	
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive	6,298.78	975.78
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-2,391.04	
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive	8,440.08	1,479.32
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-3,014.79	
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive	8,881.11	1,479.32
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-3,257.36	
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive	10,676.05	1,951.56
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-3,725.17	
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive	12,251.17	1,951.56
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-4,591.49	
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive	13,889.30	1,951.56
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-5,492.46	
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive	18,188.84	2,478.95
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-7,277.08	
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive	24,276.91	2,939.72
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-10,118.60	
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive	25,789.03	2,939.72
Note: Wall mounted.		
For 6-Pulse Drive Package, Deduct	-10,950.27	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29	23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	29,863.26 -12,821.52	3,275.76
26 29	23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	31,501.39 -13,722.49	3,275.76
26 29	23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	34,903.66 -15,593.74	3,275.76
26 29	23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	40,291.47 -17,811.51	3,953.46
26 29	23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	50,452.99 -23,206.25	4,129.90
26 29	23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	59,176.18 -27,334.09	4,738.92
26 29	23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	68,091.25 -31,796.67	5,139.50
26 29	23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	78,934.06 -37,309.23	5,549.61
26 29	23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	85,070.03 -40,168.78	6,017.95

26 29 33 Controllers for Fire Pump Drivers (26 29)

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers (26 29 33)

26 29 33 13-0001 Electric Controllers For Fire Pumps (26 29 33 13)

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (26 29 33 13-0001)

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	22,582.93	210.57
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	25,567.79	233.96
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,805.85	257.36
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	30,566.08	280.75
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,293.58	327.54
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	34,411.73	421.13
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	37,297.81	467.92
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	42,657.35	533.43
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	51,416.16	575.54
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	60,428.09	655.09
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	72,107.61	701.88
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	81,410.52	748.67

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment

(26)

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001 Rigid Photovoltaic Modules (26 31)

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,192.47	116.32
		<i>For >25 To 50, Deduct</i>	-158.62	
		<i>For >50 To 100, Deduct</i>	-213.43	
		<i>For >100, Deduct</i>	-317.24	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,298.70	116.32
		<i>For >25 To 50, Deduct</i>	-166.59	
		<i>For >50 To 100, Deduct</i>	-224.05	
		<i>For >100, Deduct</i>	-333.17	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,150.79	116.32
		<i>For >25 To 50, Deduct</i>	-155.49	
		<i>For >50 To 100, Deduct</i>	-209.26	
		<i>For >100, Deduct</i>	-310.99	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,714.10	116.32
		<i>For >25 To 50, Deduct</i>	-122.74	
		<i>For >50 To 100, Deduct</i>	-165.59	
		<i>For >100, Deduct</i>	-245.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0008 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,951.23	116.32
<i>For >25 To 50, Deduct</i>	-140.53	
<i>For >50 To 100, Deduct</i>	-189.31	
<i>For >100, Deduct</i>	-281.05	
26 31 00 00-0009 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,988.79	116.32
<i>For >25 To 50, Deduct</i>	-143.34	
<i>For >50 To 100, Deduct</i>	-193.06	
<i>For >100, Deduct</i>	-286.69	
26 31 00 00-0010 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,871.40	116.32
<i>For >25 To 50, Deduct</i>	-134.54	
<i>For >50 To 100, Deduct</i>	-181.32	
<i>For >100, Deduct</i>	-269.08	
26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules <small>(26 31 00 00-0001)</small>		
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	840.60	116.32
<i>For >25 To 50, Deduct</i>	-57.23	
<i>For >50 To 100, Deduct</i>	-78.24	
<i>For >100, Deduct</i>	-114.46	
26 31 00 00-0013 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	1,040.17	116.32
<i>For >25 To 50, Deduct</i>	-72.20	
<i>For >50 To 100, Deduct</i>	-98.20	
<i>For >100, Deduct</i>	-144.39	
26 31 00 00-0014 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	1,119.99	116.32
<i>For >25 To 50, Deduct</i>	-78.18	
<i>For >50 To 100, Deduct</i>	-106.18	
<i>For >100, Deduct</i>	-156.37	
26 31 00 00-0015 Photovoltaic Inverters <small>(26 31)</small>		
26 31 00 00-0016 Fronius Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0017 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	5,236.53	122.44
26 31 00 00-0018 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	6,910.39	122.44
26 31 00 00-0019 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	7,294.96	122.44
26 31 00 00-0020 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	8,157.78	122.44
26 31 00 00-0021 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	12,923.52	122.44
26 31 00 00-0022 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	15,024.29	122.44
26 31 00 00-0023 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	12,223.71	244.89
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	15,475.67	244.89
26 31 00 00-0025 EA Inverter Display Stand (Fronius 4,045,894).....	455.12	61.22
26 31 00 00-0026 SMA Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0027 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	3,886.49	122.44
26 31 00 00-0028 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	4,667.04	122.44
26 31 00 00-0029 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	5,394.47	122.44
26 31 00 00-0030 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	5,949.80	122.44
26 31 00 00-0031 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	5,762.74	122.44
26 31 00 00-0032 PVPowered Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0033 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	4,811.67	122.44
26 31 00 00-0034 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	5,032.78	122.44
26 31 00 00-0035 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	5,561.58	122.44
26 31 00 00-0036 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	6,593.82	153.05
26 31 00 00-0037 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	8,039.50	183.66
26 31 00 00-0038 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	8,106.82	183.66
26 31 00 00-0039 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	8,554.82	183.66
26 31 00 00-0040 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	102,087.13	979.56
26 31 00 00-0041 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	102,222.34	979.56
26 31 00 00-0042 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	110,620.26	979.56
26 31 00 00-0043 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	102,545.04	979.56
26 31 00 00-0044 Solectria Photovoltaic Inverters <small>(26 31 00 00-0015)</small>		
26 31 00 00-0045 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	16,048.17	244.89
26 31 00 00-0046 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	16,048.17	244.89
26 31 00 00-0047 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	16,518.05	244.89
26 31 00 00-0048 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	16,518.05	244.89
26 31 00 00-0049 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	50,285.09	734.67
26 31 00 00-0050 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	47,935.67	734.67
26 31 00 00-0051 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	54,983.93	734.67
26 31 00 00-0052 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	53,678.70	734.67
26 31 00 00-0053 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	58,377.54	734.67
26 31 00 00-0054 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	55,767.07	734.67
26 31 00 00-0055 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	61,477.79	979.56
26 31 00 00-0056 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	58,606.28	979.56
26 31 00 00-0057 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	63,827.21	979.56
26 31 00 00-0058 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	60,433.60	979.56

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 31 00 00-0059 Xantrex Photovoltaic Inverters <small>(26 31 00 00-0015)</small>			
26 31 00 00-0060	EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	669.89	30.61
26 31 00 00-0061	EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	730.34	30.61
26 31 00 00-0062	EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	1,174.64	30.61
26 31 00 00-0063 Photovoltaic DC-DC Converters <small>(26 31)</small>			
26 31 00 00-0064	EA 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	392.35	45.92
	Note: Hazardous locations.		
26 31 00 00-0065	EA 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	260.87	45.92
26 31 00 00-0066	EA 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	730.43	45.92
26 31 00 00-0067 Photovoltaic Combiner Boxes <small>(26 31)</small>			
26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>			
26 31 00 00-0069	EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	466.58	122.44
26 31 00 00-0070	EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	454.41	122.44
26 31 00 00-0071	EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	723.61	183.66
26 31 00 00-0072	EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	727.87	183.66
26 31 00 00-0073	EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	1,122.82	183.66
26 31 00 00-0074 SMA Photovoltaic Combiner Boxes <small>(26 31 00 00-0067)</small>			
26 31 00 00-0075	EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	1,041.25	122.44
26 31 00 00-0076	EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	1,248.74	122.44
26 31 00 00-0077	EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	2,418.17	244.89
26 31 00 00-0078	EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	5,577.32	244.89
26 31 00 00-0079	EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	928.96	122.44
26 31 00 00-0080 Photovoltaic Charge Controller <small>(26 31)</small>			
26 31 00 00-0081	EA 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	312.52	45.92
26 31 00 00-0082	EA 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	418.17	45.92
26 31 00 00-0083	EA 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	488.61	45.92
26 31 00 00-0084	EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	373.57	45.92
26 31 00 00-0085	EA MPPT Charge Controller (Xantrex XW SCC).....	1,300.92	61.22
26 31 00 00-0086 Photovoltaic Batteries <small>(26 31)</small>			
26 31 00 00-0087 Concorde Photovoltaic Batteries <small>(26 31 00 00-0086)</small>			
26 31 00 00-0088	EA 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	290.05	18.37
26 31 00 00-0089	EA 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	365.63	24.49
26 31 00 00-0090	EA 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	396.34	24.49
26 31 00 00-0091	EA 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	453.45	36.73
26 31 00 00-0092	EA 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	516.78	36.73
26 31 00 00-0093	EA 89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	613.46	42.86
26 31 00 00-0094	EA 104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	703.57	48.98
26 31 00 00-0095	EA 108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	695.36	48.98
26 31 00 00-0096	EA 210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	1,277.37	58.16
26 31 00 00-0097	EA 255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	1,477.70	61.22
26 31 00 00-0098 Deka Photovoltaic Batteries <small>(26 31 00 00-0086)</small>			
26 31 00 00-0099	EA 31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	303.19	30.68
26 31 00 00-0100	EA 50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	418.24	30.68
26 31 00 00-0101	EA 74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	617.80	30.68
26 31 00 00-0102	EA 86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	707.01	30.68
26 31 00 00-0103	EA 98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	709.36	30.68
26 31 00 00-0104	EA 183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,376.14	30.68
26 31 00 00-0105	EA 225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,592.14	30.68
26 31 00 00-0106 Battery Enclosures <small>(26 31 00 00-0086)</small>			
26 31 00 00-0107	EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	342.96	30.61
26 31 00 00-0108	EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,688.40	30.68
26 31 00 00-0109	EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,587.44	30.68
26 31 00 00-0110	EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	2,115.69	30.68
26 31 00 00-0111	EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	941.79	30.68
26 31 00 00-0112	EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,216.65	30.68
26 31 00 00-0113 Photovoltaic System Monitoring <small>(26 31)</small>			
26 31 00 00-0114	EA Solar Inverter Monitor (Xantrex 864-0203).....	723.95	61.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0115 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,503.36	30.61
26 31 00 00-0116 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,255.73	30.61
26 31 00 00-0117 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	229.84	30.61
26 31 00 00-0118 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	569.18	61.22
26 31 00 00-0119 EA Sunny Boy Control with RS485 (SMA)	1,478.70	30.61
26 31 00 00-0120 EA RS 485 Module (SMA).....	334.49	30.61
26 31 00 00-0121 EA RS 232 Module (SMA).....	342.96	30.61
26 31 00 00-0122 EA Wireless Monitor with Bluetooth (SMA Sunny Beam)	642.96	30.61
26 31 00 00-0123 EA Bluetooth Piggy-Back Computer Card (SMA).....	347.53	30.61
26 31 00 00-0124 EA RS485-N Communication Computer Card (SMA).....	345.16	30.61
26 31 00 00-0125 EA Bluetooth Repeater (SMA).....	653.95	30.61
26 31 00 00-0126 EA Sunny Boy PC Service Cable (SMA).....	311.11	9.18
26 31 00 00-0127 EA Integrated Revenue Grade Meter, Option (PVPowered)	6,022.11	30.61
26 31 00 00-0128 EA Data Monitoring Module (PVPowered PVM1010)	652.57	30.61
26 31 00 00-0129 EA Wireless IG Personal Display (Fronius 4,240,108)	653.27	30.61
26 31 00 00-0130 EA DatCom Power Supply (Fronius 43,0001,2311)	213.48	30.61
26 31 00 00-0131 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	387.51	30.61
26 31 00 00-0132 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	327.41	30.61
26 31 00 00-0133 EA Datalogger Pro Box (Fronius 4,240,102)	1,294.48	30.61
26 31 00 00-0134 EA Datalogger Easy Box (Fronius 4,240,103)	841.01	30.61
26 31 00 00-0135 EA Datalogger Interface Box (Fronius 4,240,105)	1,461.82	30.61
26 31 00 00-0136 EA Datalogger Web (Fronius 4,240,122).....	2,514.08	30.61
26 31 00 00-0137 EA Interface Box (Fronius 4,240,109)	673.30	30.61
26 31 00 00-0138 EA Interface Card (Fronius 4,240,009,Z).....	479.56	30.61
26 31 00 00-0139 EA Interface Card Easy (Fronius 4,240,013,Z).....	315.21	30.61
26 31 00 00-0140 EA Sensor Box (Fronius 4,240,104).....	1,352.09	30.61
26 31 00 00-0141 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	147.28	30.61
26 31 00 00-0142 EA Irradiance Sensor (Fronius 43,0001,1188)	467.63	30.61
26 31 00 00-0143 EA Module Temperature Sensor (Fronius 43,0001,1190).....	521.15	30.61
26 31 00 00-0144 EA Wind Speed Sensor (Fronius 42,0411,0027).....	271.36	61.22
26 31 00 00-0145 Photovoltaic System Accessories (26 31)		
26 31 00 00-0146 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	994.01	61.22
26 31 00 00-0147 EA Line Communication Filter (Enphase LCF).....	2,167.74	122.44
26 31 00 00-0148 EA 15 Meter RS 485 Communication Cable (SMA)	166.28	9.18
26 31 00 00-0149 EA 15 Meter RS 232 Communication Cable (SMA)	250.80	9.18
26 31 00 00-0150 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	38.02	3.03
26 31 00 00-0151 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	40.86	3.03
26 31 00 00-0152 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	42.46	3.03
26 31 00 00-0153 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	46.90	3.03
26 31 00 00-0154 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	53.55	3.03
26 31 00 00-0155 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	84.93	6.06
26 31 00 00-0156 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	105.59	6.06
26 31 00 00-0157 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	138.48	9.09
26 31 00 00-0158 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	48.01	3.03
26 31 00 00-0159 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	66.87	3.03
26 31 00 00-0160 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	98.24	6.06
26 31 00 00-0161 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	131.52	6.06
26 31 00 00-0162 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	213.11	12.12
26 31 00 00-0163 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	222.51	12.12
26 31 00 00-0164 EA Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	3,965.21	330.61
Note: Tamper proof enclosure.		
26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0166 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	13.41	3.06
26 31 00 00-0167 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	37.97	15.31
26 31 00 00-0168 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	48.43	15.31
26 31 00 00-0169 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046)	25.72	6.12
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	12.10	4.60
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171 EA Mounting Rail Grounding Lugs (UNIRAC 980012)	26.20	6.12
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	6.99	2.05
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	7.33	2.05
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174 EA Photovoltaic Module Mount L-Foot (UNIRAC 310065)	18.09	6.12
26 31 00 00-0175 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	108.22	30.61
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	120.06	30.61
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	129.59	30.61
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 31 Photovoltaic Collectors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0178	EA		12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	158.88	45.92
26 31 00 00-0179	EA		44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	194.38	45.92
26 31 00 00-0180	EA		72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	226.59	45.92
26 31 00 00-0181	EA		18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	248.66	61.22
26 31 00 00-0182	EA		64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	333.46	61.22
26 31 00 00-0183	EA		104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	468.31	91.83
26 31 00 00-0184	EA		Ballasted Photovoltaic Module Frame (UNIRAC 310351)..... Note: Excludes ballast.	228.57	
26 31 00 00-0185	EA		Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)..... Note: Excludes ballast.	426.52	
26 31 00 00-0186	EA		3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	84.59	30.61
26 31 00 00-0187	EA		4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	85.67	30.61
26 31 00 00-0188	EA		6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	86.67	30.61
26 31 00 00-0189	EA		7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	89.16	30.61
26 31 00 00-0190	EA		3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	77.98	30.61
26 31 00 00-0191	EA		4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	79.24	30.61
26 31 00 00-0192	EA		6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	82.91	30.61
26 31 00 00-0193	EA		7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	81.87	30.61
26 31 00 00-0194	EA		3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	163.48	45.92
26 31 00 00-0195	EA		4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	164.24	45.92
26 31 00 00-0196	EA		7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	166.48	45.92
26 31 00 00-0197	EA		Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	164.14	45.92
26 31 00 00-0198	EA		Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	32.89	6.12
26 31 00 00-0199	EA		Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	21.47	6.12
26 31 00 00-0200	EA		1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	40.98	9.18
26 31 00 00-0201	EA		3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	42.69	9.18
26 31 00 00-0202	EA		Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	11.96	2.05
26 31 00 00-0203	EA		Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	54.86	6.12
26 31 00 00-0204	EA		Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.77	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0816 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0795 for loadbank rental, 01 22 23 00-0816 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA		20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i> <i>For Single Phase, Add</i>	33,793.87 4,979.88 11,718.62 15,624.82 12,679.64 18,392.32 24,523.10 1,266.91	1,065.25
26 32 13 13-0003	EA		25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	35,542.21 4,979.88 11,718.62 15,624.82 12,679.64 18,392.32 24,523.10	1,125.17
26 32 13 13-0004	EA		30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i> <i>For Single Phase, Add</i>	37,313.10 4,979.88 11,718.62 15,624.82 12,679.64 18,392.32 24,523.10 1,397.02	1,188.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0005 EA 35 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	38,070.81	1,311.58
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,979.88	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,718.62	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,624.82	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,679.64	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,392.32	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,523.10	
26 32 13 13-0006 EA 40 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	38,841.97	1,438.08
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,979.88	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,718.62	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,624.82	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,679.64	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,392.32	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,523.10	
26 32 13 13-0007 EA 50 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	45,585.68	1,651.14
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,979.88	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,718.62	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,624.82	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,679.64	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,392.32	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,523.10	
26 32 13 13-0008 EA 60 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	49,120.74	1,897.48
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,979.88	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,718.62	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,624.82	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,679.64	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,392.32	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,523.10	
26 32 13 13-0009 EA 80 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	57,715.31	2,223.71
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,979.88	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,718.62	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,624.82	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,679.64	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,392.32	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,523.10	
26 32 13 13-0010 EA 100 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	62,039.12	2,583.22
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,553.42	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,916.75	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,889.00	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,268.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,557.74	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,076.98	
26 32 13 13-0011 EA 125 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	63,449.52	3,062.59
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,553.42	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,916.75	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,889.00	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,268.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,557.74	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,076.98	
26 32 13 13-0012 EA 150 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	70,144.16	3,375.51
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,553.42	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,916.75	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,889.00	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,268.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,557.74	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,076.98	
26 32 13 13-0013 EA 175 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	73,702.25	3,768.32
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,553.42	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,916.75	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,889.00	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,268.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,557.74	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,076.98	
26 32 13 13-0014 EA 200 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	78,336.10	4,127.83
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,553.42	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,916.75	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,889.00	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,268.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,557.74	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,076.98	
26 32 13 13-0015 EA 230 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	84,465.51	4,360.86
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,553.42	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,916.75	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,889.00	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,268.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,557.74	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,076.98	
26 32 13 13-0016 EA 250 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	88,042.64	4,540.63
For Weather Resistant Steel Diesel Generator Enclosure, Add	8,985.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	54,241.50	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	72,322.00	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	59,412.42	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	66,303.29	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	88,404.38	

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 32 Packaged Generator Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0017	EA		275 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	95,823.53 48,985.80 54,241.50 72,322.00 59,412.42 66,303.29 88,404.38	4,786.96
26 32 13 13-0018	EA		300 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	97,904.59 48,985.80 54,241.50 72,322.00 59,412.42 66,303.29 88,404.38	5,000.01
26 32 13 13-0019	EA		350 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	110,389.61 48,985.80 54,241.50 72,322.00 59,412.42 66,303.29 88,404.38	5,592.55
26 32 13 13-0020	EA		400 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	118,850.07 48,985.80 54,241.50 72,322.00 59,412.42 66,303.29 88,404.38	6,125.17
26 32 13 13-0021	EA		450 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	134,209.09 48,985.80 54,241.50 72,322.00 59,412.42 66,303.29 88,404.38	6,597.88
26 32 13 13-0022	EA		500 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	141,163.75 48,985.80 54,241.50 72,322.00 59,412.42 66,303.29 88,404.38	7,030.64
26 32 13 13-0023	EA		600 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	205,256.76 100,069.00 120,506.46 160,675.28 117,700.64 140,388.21 187,184.28	7,743.02
26 32 13 13-0024	EA		750 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	235,074.72 100,069.00 120,506.46 160,675.28 117,700.64 140,388.21 187,184.28	8,515.33
26 32 13 13-0025	EA		800 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	245,483.53 100,069.00 120,506.46 160,675.28 117,700.64 140,388.21 187,184.28	8,701.75
26 32 13 13-0026	EA		900 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	299,492.34 100,069.00 120,506.46 160,675.28 117,700.64 140,388.21 187,184.28	9,380.84
26 32 13 13-0027	EA		1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	334,541.67 100,069.00 120,506.46 160,675.28 117,700.64 140,388.21 187,184.28	9,986.70
26 32 13 13-0028			Diesel Particulate Filters <small>(26 32 13 13)</small>		
26 32 13 13-0029	EA		Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	36,156.80	
26 32 13 13-0030	EA		>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	47,269.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0031 EA >75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	57,275.51	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0032 EA >100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	70,261.09	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0033 EA >200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	82,590.12	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0034 EA >500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	103,175.03	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001

Natural Gas Or Propane Generator Sets (Cummins)(26 32 13 19)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0795 for loadbank rental, 01 22 23 00-0816 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	15,076.97	892.15
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	17,036.66	1,065.25
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	19,668.94	1,185.09
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,316.24	1,311.58
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	25,048.21	1,438.08
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,148.91	1,551.27
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	29,715.66	1,897.48
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	31,892.44	2,123.84
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	41,845.56	2,270.31
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	50,419.91	2,556.60
<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		
<i>For Quiesite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>		

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 32 Packaged Generator Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0012	EA		125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA).....	57,750.12	3,062.59
			<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>	8,254.88	
			<i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	17,916.75	
			<i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	23,889.00	
			<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	16,268.20	
			<i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	23,289.74	
26 32 13 19-0013	EA		150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	68,632.11	3,375.51
			<i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i>	8,254.88	
			<i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	17,916.75	
			<i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i>	23,889.00	
			<i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	16,268.20	
			<i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	23,289.74	
26 32 13 19-0014	EA		175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	110,953.32	8,978.58
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	44,052.38	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	48,764.56	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	65,019.42	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	48,165.88	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	72,277.86	
26 32 13 19-0015	EA		205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	125,952.17	4,054.60
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	44,052.38	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	48,764.56	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	65,019.42	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	48,165.88	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	72,277.86	
26 32 13 19-0016	EA		250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	135,452.29	4,540.63
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	44,052.38	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	48,764.56	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	65,019.42	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	48,165.88	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	72,277.86	
26 32 13 19-0017	EA		300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	175,143.46	5,000.01
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	44,052.38	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	48,764.56	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	65,019.42	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	48,165.88	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	72,277.86	
26 32 13 19-0018	EA		350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	188,009.25	5,592.55
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	44,052.38	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	48,764.56	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	65,019.42	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	48,165.88	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	72,277.86	
26 32 13 19-0019	EA		450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	264,091.37	6,597.88
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	96,190.08	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	102,201.24	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	136,268.32	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	109,255.28	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	154,415.60	
26 32 13 19-0020	EA		500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	337,686.08	7,030.64
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	96,190.08	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	102,201.24	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	136,268.32	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	109,255.28	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	154,415.60	
26 32 13 19-0021	EA		550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	377,844.75	7,410.13
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	96,190.08	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	102,201.24	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	136,268.32	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	109,255.28	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	154,415.60	
26 32 13 19-0022	EA		600 KW Natural Gas Generator Set, 3 Phase (Cummins GFKA)	430,351.57	7,743.02
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	96,190.08	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	102,201.24	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	136,268.32	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	109,255.28	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	154,415.60	
26 32 13 19-0023	EA		650 KW Natural Gas Generator Set, 3 Phase (Cummins GFKB)	449,976.56	8,035.96
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	96,190.08	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	102,201.24	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	136,268.32	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	109,255.28	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	154,415.60	
26 32 13 19-0024	EA		725 KW Natural Gas Generator Set, 3 Phase (Cummins GFKC)	475,953.65	8,588.56
			<i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i>	96,190.08	
			<i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i>	102,201.24	
			<i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i>	136,268.32	
			<i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i>	109,255.28	
			<i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	154,415.60	
26 32 13 19-0025			Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026	EA		7.5 KW Natural Gas Or Propane Air Cooled Generator Set	5,102.87	565.67
			Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.		
26 32 13 19-0027	EA		10 KW Natural Gas Or Propane Air Cooled Generator Set	6,439.53	628.53
			Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,428.99	691.37
26 32 29 Rotary Converters (26 32)		
26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)		
26 32 29 00-0002 EA 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,830.71	244.89
26 32 29 00-0003 EA 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,979.37	244.89
26 32 29 00-0004 EA 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,876.63	244.89
26 32 29 00-0005 EA 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,001.70	244.89
26 32 29 00-0006 EA 15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	17,759.63	306.11
26 32 29 00-0007 EA 20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,235.95	306.11
26 32 29 00-0008 EA 25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,143.81	306.11
26 32 29 00-0009 EA 40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	24,526.56	404.07
26 32 29 00-0010 EA 50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	27,263.53	404.07
26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)		
26 32 29 00-0012 EA 3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,386.23	244.89
26 32 29 00-0013 EA 5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,582.02	244.89
26 32 29 00-0014 EA 7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,538.19	244.89
26 32 29 00-0015 EA 10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,969.96	244.89
26 32 29 00-0016 EA 15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,086.29	306.11
26 32 29 00-0017 EA 20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,893.51	306.11
26 32 29 00-0018 EA 25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,551.07	306.11
26 32 29 00-0019 EA 40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	24,428.99	404.07
26 32 29 00-0020 EA 50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,918.04	404.07
26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0022 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,241.02	4,660.46
26 32 29 00-0023 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	31,272.10	4,660.46
26 32 29 00-0024 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	35,543.75	6,657.81
26 32 29 00-0025 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	41,528.60	6,657.81
26 32 29 00-0026 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	47,178.66	6,657.81
26 32 29 00-0027 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	55,318.15	9,986.70
26 32 29 00-0028 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	66,961.80	9,986.70
26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)		
26 32 29 00-0030 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	98,293.02	13,315.60
26 32 29 00-0031 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	107,086.47	13,315.60
26 32 29 00-0032 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	128,854.77	17,310.28
26 32 29 00-0033 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	146,443.51	21,038.65
26 32 29 00-0034 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	173,578.46	21,038.65
26 32 29 00-0035 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	246,303.53	31,424.82
26 32 29 00-0036 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	254,658.04	31,424.82
26 32 29 00-0037 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	293,360.36	36,617.90
26 33 Battery Equipment (26 30)		
26 33 13 Batteries (26 33)		
26 33 13 00-0001 Standby Batteries (26 33 13)		
26 33 13 00-0002 EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,204.16	30.68
26 33 13 00-0003 EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,301.01	30.68
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	397.15	30.68
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	360.22	30.68
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	623.54	30.68
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	725.58	30.68
26 33 43 Battery Chargers (26 33)		
26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)		
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,400.38	699.29
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,973.72	699.29
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,375.15	699.29
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,627.04	827.95
26 33 53 Static Uninterruptible Power Supply (26 33)		
26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)		

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 33 53 00-0003		120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	1,147.96	121.22
		Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,370.96	141.42
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,688.76	161.63
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	2,061.68	181.83
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,642.93	202.03
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	4,249.71	242.44
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010		208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	4,171.84	242.44
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	6,431.27	323.25
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	7,033.93	363.66
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	10,509.48	444.48
		Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	12,078.62	484.88
		Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,370.96	141.42
		Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,688.76	161.63
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	2,084.68	181.83
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,648.48	202.03
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	4,266.99	242.44
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	6,171.22	323.25
		Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	7,574.59	363.66
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	11,706.87	484.88
		Note: Includes 3 minutes of battery backup at full load.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0026	Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>	
26 33 53 00-0027 EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	756.76 36.73
	Note: Rack mount or tower configuration.	
26 33 53 00-0028 EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	990.68 36.73
	Note: Rack mount or tower configuration.	
26 33 53 00-0029 EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	964.64 36.73
	Note: Rack mount or tower configuration.	
26 33 53 00-0030 EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	655.99 36.73
	Note: Rack mount or tower configuration.	
26 33 53 00-0031 EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	976.86 121.22
26 33 53 00-0032 EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	1,099.30 161.63
26 33 53 00-0033	Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>	
26 33 53 00-0034	208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery <small>(26 33 53 00-0033)</small>	
	Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	
26 33 53 00-0035 EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	41,842.62 484.88
26 33 53 00-0036 EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	46,330.72 646.51
26 33 53 00-0037 EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	51,794.02 808.13
26 33 53 00-0038 EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	56,184.60 969.76
26 33 53 00-0039 EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	67,596.61 1,131.39
26 33 53 00-0040	208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small>	
	Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.	
26 33 53 00-0041 EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	91,717.69 1,928.51
26 33 53 00-0042 EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	99,765.03 2,387.68
26 33 53 00-0043 EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	110,351.40 2,785.62
26 33 53 00-0044 EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	136,221.31 3,152.96
26 33 53 00-0045 EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	141,444.08 3,520.28
26 33 53 00-0046 EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	147,027.64 3,887.62
26 33 53 00-0047 EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	153,781.44 4,254.96
26 33 53 00-0048 EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	160,535.25 4,622.29
26 33 53 00-0049	480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery <small>(26 33 53 00-0033)</small>	
	Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.	
26 33 53 00-0050 EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	85,613.74 1,591.78
26 33 53 00-0051 EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	110,936.52 2,797.86
26 33 53 00-0052 EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	151,589.66 3,232.54
26 33 53 00-0053 EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	178,532.29 3,550.89
26 33 53 00-0054 EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	208,790.59 3,918.23
26 33 53 00-0055	Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0033)</small>	
26 33 53 00-0056 EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	676.46 61.22
26 33 53 00-0057 EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	1,086.87 61.22
26 33 53 00-0058 EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	2,092.94 122.44
26 33 53 00-0059 EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	6,524.66 489.78
26 33 53 00-0060 EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	636.47 61.22

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	347.13	61.22
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	389.35	61.22
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	431.57	61.22
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	507.57	61.22
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	532.90	61.22
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	663.78	61.22
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	695.45	61.22
26 33 53 00-0068		Other Uninterruptable Power Supply Equipment (26 33 53)		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	6,235.38	111.88
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,495.65	223.77
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	32.09	6.72
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	58.24	8.39
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	110.06	8.39
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	161.26	11.19
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	229.67	11.19
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel.....	4,266.06	111.88
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board.....	1,411.59	83.92
26 35 Power Filters and Conditioners (26 30)				
26 35 33 Power Factor Correction Equipment (26 35)				
26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)				
26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)				
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC.....	911.11	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC.....	1,009.07	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC.....	1,107.04	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC.....	1,201.09	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC.....	1,475.40	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC.....	1,802.62	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC.....	2,784.26	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC.....	3,381.87	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC.....	4,369.39	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC.....	4,968.95	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC.....	8,719.18	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC.....	13,110.12	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC.....	17,481.47	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	811.18	
26 35 43 Static-Frequency Converters (26 35)				
26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)				
26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	717.02	122.44
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,249.85	146.93
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,432.83	195.91
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,967.76	244.89
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,710.85	318.35
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,503.62	391.83
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,395.76	465.29
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,362.77	526.51
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,229.00	636.71
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,133.38	716.30
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,037.76	795.89
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,982.96	961.19
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	12,982.99	1,157.11
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	16,465.80	1,408.11
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	18,831.18	1,646.89
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	24,278.14	1,836.67
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	37,187.92	2,081.56
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	55,562.51	2,326.46
26 35 53 Voltage Regulators (26 35)				
26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)				
Note: For diesel motor generator sets mounted in switchgear cabinet.				
26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	7,272.47	1,946.87
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	8,285.60	2,448.90
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	9,218.51	2,914.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 36 Transfer Switches (26 30)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,364.43	214.28
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,590.18	266.19

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,945.28	314.26
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,305.22</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,228.43</i>	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	4,358.16	377.12
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,305.22</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,228.43</i>	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	4,941.39	439.96
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,305.22</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,228.43</i>	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	6,154.90	502.82
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,535.55</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,228.43</i>	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	7,643.76	565.67
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,535.55</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,228.43</i>	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	8,597.23	628.53
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,535.55</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,228.43</i>	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	9,566.21	691.37
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,811.94</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,535.55</i>	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	11,257.36	754.23
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,811.94</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,535.55</i>	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	14,913.20	942.78
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,811.94</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,535.55</i>	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	16,745.96	1,131.35
		<i>For NEMA 3R Enclosure, Add</i>	<i>2,226.53</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>2,149.77</i>	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	22,295.15	1,597.87
		<i>For NEMA 3R Enclosure, Add</i>	<i>2,226.53</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>2,149.77</i>	

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,493.41	439.96
		<i>For Level 2 Controller, Add</i>	<i>202.54</i>	
		<i>For Level 3 Controller, Add</i>	<i>418.16</i>	
		<i>For Level 4 Controller, Add</i>	<i>607.63</i>	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	4,767.49	565.67
		<i>For Level 2 Controller, Add</i>	<i>281.80</i>	
		<i>For Level 3 Controller, Add</i>	<i>581.78</i>	
		<i>For Level 4 Controller, Add</i>	<i>845.40</i>	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	7,644.45	754.23
		<i>For Level 2 Controller, Add</i>	<i>475.54</i>	
		<i>For Level 3 Controller, Add</i>	<i>981.76</i>	
		<i>For Level 4 Controller, Add</i>	<i>1,426.62</i>	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	12,562.24	942.78
		<i>For Level 2 Controller, Add</i>	<i>827.44</i>	
		<i>For Level 3 Controller, Add</i>	<i>1,708.27</i>	
		<i>For Level 4 Controller, Add</i>	<i>2,482.33</i>	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	5,952.78	314.26
		<i>For Level 2 Controller, Add</i>	<i>412.63</i>	
		<i>For Level 3 Controller, Add</i>	<i>851.88</i>	
		<i>For Level 4 Controller, Add</i>	<i>1,237.89</i>	
		<i>For NEMA 3R Enclosure, Add</i>	<i>1,305.22</i>	
		<i>For NEMA 4 Enclosure, Add</i>	<i>1,381.99</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>1,381.99</i>	

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 36 Transfer Switches



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0009	EA		70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	6,865.41	377.12
			<i>For Level 2 Controller, Add</i>	473.62	
			<i>For Level 3 Controller, Add</i>	977.79	
			<i>For Level 4 Controller, Add</i>	1,420.85	
			<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.99	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0010	EA		100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100).....	7,199.96	408.54
			<i>For Level 2 Controller, Add</i>	494.67	
			<i>For Level 3 Controller, Add</i>	1,021.26	
			<i>For Level 4 Controller, Add</i>	1,484.02	
			<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.99	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0011	EA		125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	7,534.52	439.96
			<i>For Level 2 Controller, Add</i>	515.73	
			<i>For Level 3 Controller, Add</i>	1,064.73	
			<i>For Level 4 Controller, Add</i>	1,547.19	
			<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.99	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0012	EA		150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	8,973.69	502.82
			<i>For Level 2 Controller, Add</i>	617.52	
			<i>For Level 3 Controller, Add</i>	1,274.89	
			<i>For Level 4 Controller, Add</i>	1,852.57	
			<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0013	EA		225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	10,250.98	565.67
			<i>For Level 2 Controller, Add</i>	706.77	
			<i>For Level 3 Controller, Add</i>	1,459.14	
			<i>For Level 4 Controller, Add</i>	2,120.31	
			<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0014	EA		260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	11,310.03	628.53
			<i>For Level 2 Controller, Add</i>	779.11	
			<i>For Level 3 Controller, Add</i>	1,608.48	
			<i>For Level 4 Controller, Add</i>	2,337.32	
			<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0015	EA		300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	11,800.36	691.37
			<i>For Level 2 Controller, Add</i>	807.36	
			<i>For Level 3 Controller, Add</i>	1,666.82	
			<i>For Level 4 Controller, Add</i>	2,422.09	
			<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
			<i>For NEMA 4 Enclosure, Add</i>	2,149.77	
			<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 23 00-0016	EA		400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	13,359.17	754.23
			<i>For Level 2 Controller, Add</i>	918.43	
			<i>For Level 3 Controller, Add</i>	1,896.12	
			<i>For Level 4 Controller, Add</i>	2,755.29	
			<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
			<i>For NEMA 4 Enclosure, Add</i>	2,149.77	
			<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 23 00-0017	EA		600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	18,353.83	942.78
			<i>For Level 2 Controller, Add</i>	1,276.29	
			<i>For Level 3 Controller, Add</i>	2,634.92	
			<i>For Level 4 Controller, Add</i>	3,828.87	
			<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
			<i>For NEMA 4 Enclosure, Add</i>	2,149.77	
			<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 23 00-0018	EA		800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	20,545.57	1,131.35
			<i>For Level 2 Controller, Add</i>	1,416.92	
			<i>For Level 3 Controller, Add</i>	2,925.26	
			<i>For Level 4 Controller, Add</i>	4,250.77	
			<i>For NEMA 3R Enclosure, Add</i>	2,226.53	
			<i>For NEMA 4 Enclosure, Add</i>	2,456.89	
			<i>For NEMA 12 Enclosure, Add</i>	2,149.77	
26 36 23 00-0019	EA		1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	26,736.69	1,597.87
			<i>For Level 2 Controller, Add</i>	1,824.42	
			<i>For Level 3 Controller, Add</i>	3,766.55	
			<i>For Level 4 Controller, Add</i>	5,473.27	
			<i>For NEMA 3R Enclosure, Add</i>	2,226.53	
			<i>For NEMA 4 Enclosure, Add</i>	2,456.89	
			<i>For NEMA 12 Enclosure, Add</i>	2,149.77	
26 36 23 00-0020	EA		1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	34,875.16	1,731.03
			<i>For Level 2 Controller, Add</i>	2,434.52	
			<i>For Level 3 Controller, Add</i>	5,026.10	
			<i>For Level 4 Controller, Add</i>	7,303.55	
			<i>For NEMA 3R Enclosure, Add</i>	4,913.75	
			<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
			<i>For NEMA 12 Enclosure, Add</i>	2,303.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0021 EA 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	37,104.19	1,997.34
<i>For Level 2 Controller, Add</i>	2,565.99	
<i>For Level 3 Controller, Add</i>	5,297.52	
<i>For Level 4 Controller, Add</i>	7,697.96	
<i>For NEMA 3R Enclosure, Add</i>	7,984.83	
<i>For NEMA 4 Enclosure, Add</i>	9,827.47	
<i>For NEMA 12 Enclosure, Add</i>	7,984.83	
26 36 23 00-0022 EA 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	42,434.27	2,263.66
<i>For Level 2 Controller, Add</i>	2,937.79	
<i>For Level 3 Controller, Add</i>	6,065.12	
<i>For Level 4 Controller, Add</i>	8,813.37	
<i>For NEMA 3R Enclosure, Add</i>	7,984.83	
<i>For NEMA 4 Enclosure, Add</i>	9,827.47	
<i>For NEMA 12 Enclosure, Add</i>	7,984.83	
26 36 23 00-0023 EA 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	51,217.99	2,796.28
<i>For Level 2 Controller, Add</i>	3,535.97	
<i>For Level 3 Controller, Add</i>	7,300.07	
<i>For Level 4 Controller, Add</i>	10,607.91	
<i>For NEMA 3R Enclosure, Add</i>	7,984.83	
26 36 23 00-0024 EA 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	89,678.16	3,328.90
<i>For Level 2 Controller, Add</i>	6,434.08	
<i>For Level 3 Controller, Add</i>	13,283.26	
<i>For Level 4 Controller, Add</i>	19,302.23	
<i>For NEMA 3R Enclosure, Add</i>	14,802.63	
26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0026 EA 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	291,181.87	2,388.39
<i>For NEMA 3R Enclosure, Add</i>	2,687.21	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,458.78	
<i>For Level 2 Controller, Add</i>	1,891.39	
<i>For Level 3 Controller, Add</i>	3,904.81	
<i>For Level 4 Controller, Add</i>	5,674.18	
26 36 23 00-0027 EA 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	30,449.97	2,514.09
<i>For NEMA 3R Enclosure, Add</i>	2,687.21	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,458.78	
<i>For Level 2 Controller, Add</i>	1,970.19	
<i>For Level 3 Controller, Add</i>	4,067.48	
<i>For Level 4 Controller, Add</i>	5,910.56	
26 36 23 00-0028 EA 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	31,917.79	2,639.80
<i>For NEMA 3R Enclosure, Add</i>	2,687.21	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,458.78	
<i>For Level 2 Controller, Add</i>	2,064.46	
<i>For Level 3 Controller, Add</i>	4,262.11	
<i>For Level 4 Controller, Add</i>	6,193.38	
26 36 23 00-0029 EA 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	35,772.37	2,702.66
<i>For NEMA 3R Enclosure, Add</i>	2,687.21	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,458.78	
<i>For Level 2 Controller, Add</i>	2,353.45	
<i>For Level 3 Controller, Add</i>	4,858.73	
<i>For Level 4 Controller, Add</i>	7,060.34	
26 36 23 00-0030 EA 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	41,502.63	2,765.50
<i>For NEMA 3R Enclosure, Add</i>	2,687.21	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,458.78	
<i>For Level 2 Controller, Add</i>	2,787.80	
<i>For Level 3 Controller, Add</i>	5,755.46	
<i>For Level 4 Controller, Add</i>	8,363.40	
26 36 23 00-0031 EA 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	50,094.80	2,891.21
<i>For NEMA 3R Enclosure, Add</i>	2,687.21	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
<i>For Level 2 Controller, Add</i>	3,434.21	
<i>For Level 3 Controller, Add</i>	7,089.98	
<i>For Level 4 Controller, Add</i>	10,302.63	
26 36 23 00-0032 EA 800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	55,329.05	3,016.91
<i>For NEMA 3R Enclosure, Add</i>	2,763.98	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,689.11	
<i>For Level 2 Controller, Add</i>	3,820.38	
<i>For Level 3 Controller, Add</i>	7,887.24	
<i>For Level 4 Controller, Add</i>	11,461.14	
26 36 23 00-0033 EA 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	69,686.83	3,519.74
<i>For NEMA 3R Enclosure, Add</i>	2,763.98	
<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
<i>For NEMA 12 Enclosure, Add</i>	1,689.11	
<i>For Level 2 Controller, Add</i>	4,855.17	
<i>For Level 3 Controller, Add</i>	10,023.58	
<i>For Level 4 Controller, Add</i>	14,565.51	

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 36 Transfer Switches



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0034	EA		1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	91,857.39	3,994.68
			<i>For NEMA 3R Enclosure, Add</i>	12,284.33	
			<i>For NEMA 4 Enclosure, Add</i>	15,355.41	
			<i>For NEMA 12 Enclosure, Add</i>	12,284.33	
			<i>For Level 2 Controller, Add</i>	6,499.77	
			<i>For Level 3 Controller, Add</i>	13,418.88	
			<i>For Level 4 Controller, Add</i>	19,499.32	
26 36 23 00-0035	EA		1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	120,394.90	4,261.00
			<i>For NEMA 3R Enclosure, Add</i>	26,104.20	
			<i>For NEMA 4 Enclosure, Add</i>	26,104.20	
			<i>For NEMA 12 Enclosure, Add</i>	24,322.98	
			<i>For Level 2 Controller, Add</i>	8,670.15	
			<i>For Level 3 Controller, Add</i>	17,899.67	
			<i>For Level 4 Controller, Add</i>	26,010.45	
26 36 23 00-0036	EA		2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	136,807.51	4,660.46
			<i>For NEMA 3R Enclosure, Add</i>	26,104.20	
			<i>For NEMA 4 Enclosure, Add</i>	26,104.20	
			<i>For NEMA 12 Enclosure, Add</i>	24,322.98	
			<i>For Level 2 Controller, Add</i>	9,880.21	
			<i>For Level 3 Controller, Add</i>	20,397.85	
			<i>For Level 4 Controller, Add</i>	29,640.63	
26 36 23 00-0037	EA		3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	220,041.70	5,326.24
			<i>For NEMA 3R Enclosure, Add</i>	32,246.35	
			<i>For Level 2 Controller, Add</i>	16,227.66	
			<i>For Level 3 Controller, Add</i>	33,502.27	
			<i>For Level 4 Controller, Add</i>	48,682.99	
26 36 23 00-0038	EA		4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	237,370.01	5,992.02
			<i>For NEMA 3R Enclosure, Add</i>	32,246.35	
			<i>For Level 2 Controller, Add</i>	17,467.41	
			<i>For Level 3 Controller, Add</i>	36,061.76	
			<i>For Level 4 Controller, Add</i>	52,402.24	
26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>					
26 36 23 00-0040	EA		40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	9,826.99	314.26
			<i>For Level 2 Controller, Add</i>	712.88	
			<i>For Level 3 Controller, Add</i>	1,471.75	
			<i>For Level 4 Controller, Add</i>	2,138.64	
			<i>For NEMA 3R Enclosure, Add</i>	767.78	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0041	EA		70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	10,605.91	377.12
			<i>For Level 2 Controller, Add</i>	763.51	
			<i>For Level 3 Controller, Add</i>	1,576.27	
			<i>For Level 4 Controller, Add</i>	2,290.52	
			<i>For NEMA 3R Enclosure, Add</i>	767.78	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0042	EA		100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100).....	10,994.66	408.54
			<i>For Level 2 Controller, Add</i>	788.76	
			<i>For Level 3 Controller, Add</i>	1,628.41	
			<i>For Level 4 Controller, Add</i>	2,366.29	
			<i>For NEMA 3R Enclosure, Add</i>	767.78	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0043	EA		125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	11,383.42	439.96
			<i>For Level 2 Controller, Add</i>	814.02	
			<i>For Level 3 Controller, Add</i>	1,680.56	
			<i>For Level 4 Controller, Add</i>	2,442.06	
			<i>For NEMA 3R Enclosure, Add</i>	767.78	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0044	EA		150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	13,685.54	502.82
			<i>For Level 2 Controller, Add</i>	982.69	
			<i>For Level 3 Controller, Add</i>	2,028.78	
			<i>For Level 4 Controller, Add</i>	2,948.08	
			<i>For Four Pole Circuit Breaker, Add</i>	3,838.85	
			<i>For NEMA 3R Enclosure, Add</i>	767.78	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0045	EA		225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	17,871.30	565.67
			<i>For Level 2 Controller, Add</i>	1,297.35	
			<i>For Level 3 Controller, Add</i>	2,678.39	
			<i>For Level 4 Controller, Add</i>	3,892.04	
			<i>For Four Pole Circuit Breaker, Add</i>	3,838.85	
			<i>For NEMA 3R Enclosure, Add</i>	767.78	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0046 EA 250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	19,012.01	628.53
For Level 2 Controller, Add	1,376.01	
For Level 3 Controller, Add	2,840.79	
For Level 4 Controller, Add	4,128.03	
For Four Pole Circuit Breaker, Add	3,838.85	
For NEMA 3R Enclosure, Add	767.78	
For NEMA 12 Enclosure, Add	1,381.99	
26 36 23 00-0047 EA 300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	19,750.12	691.37
For Level 2 Controller, Add	1,423.47	
For Level 3 Controller, Add	2,938.78	
For Level 4 Controller, Add	4,270.41	
For Four Pole Circuit Breaker, Add	5,220.84	
For NEMA 3R Enclosure, Add	1,996.21	
For NEMA 12 Enclosure, Add	1,535.55	
26 36 23 00-0048 EA 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	22,366.17	754.23
For Level 2 Controller, Add	1,616.47	
For Level 3 Controller, Add	3,337.24	
For Level 4 Controller, Add	4,849.42	
For Four Pole Circuit Breaker, Add	5,220.84	
For NEMA 3R Enclosure, Add	1,996.21	
For NEMA 12 Enclosure, Add	1,535.55	
26 36 23 00-0049 EA 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	27,122.91	942.78
For Level 2 Controller, Add	1,955.89	
For Level 3 Controller, Add	4,037.97	
For Level 4 Controller, Add	5,867.68	
For Four Pole Circuit Breaker, Add	5,220.84	
For NEMA 3R Enclosure, Add	1,996.21	
For NEMA 12 Enclosure, Add	1,535.55	
26 36 23 00-0050 EA 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	28,170.12	1,131.35
For Level 2 Controller, Add	2,007.83	
For Level 3 Controller, Add	4,145.19	
For Level 4 Controller, Add	6,023.48	
For Four Pole Circuit Breaker, Add	7,447.38	
For NEMA 3R Enclosure, Add	3,439.63	
For NEMA 12 Enclosure, Add	2,149.77	
26 36 23 00-0051 EA 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	33,325.12	1,597.87
For Level 2 Controller, Add	2,335.03	
For Level 3 Controller, Add	4,820.70	
For Level 4 Controller, Add	7,005.08	
For Four Pole Circuit Breaker, Add	7,447.38	
For NEMA 3R Enclosure, Add	3,439.63	
For NEMA 12 Enclosure, Add	2,149.77	
26 36 23 00-0052 Accessories ^(26 36 23)		
26 36 23 00-0053 EA Auxiliary Contacts For Automatic Transfer Switch.....	356.25	
26 36 23 00-0054 EA Battery Charger For Automatic Transfer Switch.....	2,917.54	
26 36 23 00-0055 EA Elevator Relay Signal For Automatic Transfer Switch.....	1,059.53	

26 40 Electrical And Cathodic Protection ⁽²⁶⁾

26 43 Surge Protective Devices ^(26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits ^(26 43)

26 43 13 00-0001	25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0002	EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	240.72	30.61
26 43 13 00-0003	EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	258.93	30.61
26 43 13 00-0004	EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	271.18	36.73
26 43 13 00-0005	EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	223.27	24.49
26 43 13 00-0006	EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	271.18	36.73
26 43 13 00-0007	50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0008	EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	330.46	30.61
26 43 13 00-0009	EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	353.12	36.73
26 43 13 00-0010	EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	340.87	30.61
26 43 13 00-0011	EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	353.12	36.73
26 43 13 00-0012	100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression ^(26 43 13)		
	Note: Liebert LPL		
26 43 13 00-0013	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	398.10	30.61
26 43 13 00-0014	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	420.76	36.73
26 43 13 00-0015	EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	370.25	24.49

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0016	EA		480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	420.76	36.73
26 43 13 00-0017			100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPM		
26 43 13 00-0018	EA		120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	468.34	30.61
26 43 13 00-0019	EA		208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	528.71	36.73
26 43 13 00-0020	EA		277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	441.79	24.49
26 43 13 00-0021			160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPM		
26 43 13 00-0022	EA		208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	821.37	36.73
26 43 13 00-0023	EA		208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	809.12	30.61
26 43 13 00-0024	EA		480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	821.37	36.73
26 43 13 00-0025			250 kA, 500 Joule Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA		LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	7,942.96	61.22
26 43 13 00-0027	EA		Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	9,716.16	61.22
26 43 13 00-0028			Class 1310 Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029			NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D. EMA series.		
26 43 13 00-0030	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,835.00	159.18
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0031	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,232.05	183.66
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0032	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,168.23	214.28
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0033	EA		320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,194.83	244.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0034	EA		480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,119.12	336.73
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0035	EA		120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,999.76	159.18
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0036	EA		160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,413.05	183.66
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0037	EA		240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,447.86	214.28
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0038	EA		320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,557.98	244.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0039	EA		480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,679.52	336.73
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0040	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,999.76	159.18
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0041	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,413.05	183.66
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0042	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,447.80	214.28
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0043	EA		320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,557.98	244.89
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0044	EA		480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,679.52	336.73
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0045	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,164.54	159.18
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0046	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,596.37	183.66
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0047	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,729.79	214.28
			<i>For Integral Disconnect, Add</i>	265.68	
			<i>For Surge Counter, Add</i>	203.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,923.53 265.68 203.04	244.89
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	13,242.19 265.68 203.04	336.73
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,355.98 265.68 203.04	159.18
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,786.70 265.68 203.04	183.66
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,024.49 265.68 203.04	214.28
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,306.41 265.68 203.04	244.89
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	13,035.05 265.68 203.04	336.73
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> <i>Note: Square D EBA series.</i>		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,999.68 265.68 203.04	159.18
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,621.83 265.68 203.04	183.66
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,293.44 265.68 203.04	214.28
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,093.65 265.68 203.04	159.18
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,761.06 265.68 203.04	183.66
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,475.59 265.68 203.04	214.28
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,093.65 265.68 203.04	159.18
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,761.06 265.68 203.04	183.66
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,475.59 265.68 203.04	214.28
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,213.16 265.68 203.04	159.18
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,910.73 265.68 203.04	183.66
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,708.79 265.68 203.04	214.28
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,338.47 265.68 203.04	159.18
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,069.67 265.68 203.04	183.66
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,953.59 265.68 203.04	214.28
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> <i>Note: Square D EMA series. Stainless steel.</i>		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,931.41 265.68 203.04	159.18
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,328.47 265.68 203.04	183.66
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,264.65 265.68 203.04	214.28

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0075	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,096.17 265.68 203.04	159.18
26 43 13 00-0076	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,509.46 265.68 203.04	183.66
26 43 13 00-0077	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,544.27 265.68 203.04	214.28
26 43 13 00-0078	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,096.17 265.68 203.04	159.18
26 43 13 00-0079	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,509.46 265.68 203.04	183.66
26 43 13 00-0080	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,544.21 265.68 203.04	214.28
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,260.96 265.68 203.04	159.18
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,692.78 265.68 203.04	183.66
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,826.20 265.68 203.04	214.28
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,452.39 265.68 203.04	159.18
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,883.11 265.68 203.04	183.66
26 43 13 00-0086	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,120.90 265.68 203.04	214.28
26 43 13 00-0087			NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0087) <small>0028</small> Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,096.09 265.68 203.04	159.18
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,718.24 265.68 203.04	183.66
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,389.85 265.68 203.04	214.28
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,190.06 265.68 203.04	159.18
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,857.47 265.68 203.04	183.66
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,572.00 265.68 203.04	214.28
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,190.06 265.68 203.04	159.18
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,857.47 265.68 203.04	183.66
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,572.00 265.68 203.04	214.28
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,309.57 265.68 203.04	159.18
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,007.14 265.68 203.04	183.66
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,805.20 265.68 203.04	214.28
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,434.88 265.68 203.04	159.18
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,166.09 265.68 203.04	183.66
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,050.01 265.68 203.04	214.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 43 23 Surge Protective Devices for Lightning Protection (26 43)

26 43 23 00-0001 Surge And Lightning Arrestors (26 43 23)

26 43 23 00-0002 Metal Top Intermediate Type IMX (26 43 23 00-0001)

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,231.15	275.43
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,336.98	275.43
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,336.98	275.43
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,533.51	275.43
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,533.51	275.43
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,696.78	275.43
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,696.78	275.43
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,318.25	344.29
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,402.91	344.29
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,636.91	413.14
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,854.61	413.14
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,401.86	413.14

26 43 23 00-0015 Porcelain Top Intermediate Type IMX (26 43 23 00-0001)

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,231.15	275.43
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,336.98	275.43
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,336.98	275.43
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,533.51	275.43
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,533.51	275.43
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,696.78	275.43
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,696.78	275.43
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,318.25	344.29
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,402.91	344.29
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,636.91	413.14
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,854.61	413.14
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,401.86	413.14

26 43 23 00-0028 IMX Accessories (26 43 23 00-0001)

26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	1,013.46	275.43
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	1,001.37	275.43
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	910.78	275.43

26 43 23 00-0032 Lightning Arrestor And Cutouts (26 43 23 00-0001)

26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	674.82	275.43
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,311.70	275.43
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,231.15	275.43
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	741.34	275.43
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,488.03	275.43
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,533.51	275.43
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	844.75	275.43
26 43 23 00-0040	EA	15 KV Open Fused Cutout	909.29	344.29
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	706.35	275.43
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,582.28	275.43

26 50 Lighting (26)

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)

26 51 13 Incandescent Interior Lighting (26 51)

26 51 13 00-0001 Recessed Fixtures (26 51 13)

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings (26 51 13 00-0001)

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	85.91	35.01
		<i>For ICAT Housing, Add</i>	4.29	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	85.91	35.01
		<i>For ICAT Housing, Add</i>	4.29	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	91.24	36.73
		<i>For ICAT Housing, Add</i>	4.66	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	96.73	38.33
		<i>For ICAT Housing, Add</i>	5.05	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	102.26	39.92
		<i>For ICAT Housing, Add</i>	5.45	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	104.16	42.37
		<i>For ICAT Housing, Add</i>	5.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0009			Recessed Fixture Trim (26 51 13 00-0001)		
26 51 13 00-0010	EA		Circular, Recessed Fixture Trim	66.87	17.15
26 51 13 00-0011	EA		Circular Clear Lens, Recessed Fixture Trim	74.41	17.15
26 51 13 00-0012	EA		Open/Baffle, Recessed Fixture Trim	87.47	17.15
26 51 13 00-0013	EA		Specular Reflector, Recessed Fixture Trim	94.40	17.15
26 51 13 00-0014	EA		Eyeball, Recessed Fixture Trim	74.52	17.15
26 51 13 00-0015	EA		10" To 12" Square, Clear Lens, Recessed Fixture Trim	70.47	17.15
26 51 13 00-0016	EA		10" To 12" Square, Drop Dish, Recessed Fixture Trim.....	75.11	17.15
26 51 13 00-0017			Track Lighting (26 51 13)		
26 51 13 00-0018			Track Lighting Tracks (26 51 13 00-0017)		
26 51 13 00-0019	LF		1 Circuit Track Lighting Track	24.16	8.08
26 51 13 00-0020	LF		2 Circuit Track Lighting Track	31.14	8.08
26 51 13 00-0021	LF		3 Circuit Track Lighting Track	37.12	8.08
26 51 13 00-0022	LF		4 Circuit Track Lighting Track	43.13	9.79
26 51 13 00-0023			Incandescent Track Lighting Fixtures (26 51 13 00-0017)		
26 51 13 00-0024	EA		Incandescent Track Lighting Fixture, 120 Volt.....	86.56	20.45
26 51 13 00-0025	EA		Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	59.21	20.45
26 51 13 00-0026	EA		Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	81.30	20.45
26 51 13 00-0027	EA		Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	83.49	20.45
26 51 13 00-0028	EA		PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	69.21	20.45
26 51 13 00-0029	EA		PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	59.21	20.45
26 51 13 00-0030	EA		PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	68.16	20.45
			Note: 120V.		
26 51 13 00-0031	EA		PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	85.68	20.45
26 51 13 00-0032			Track Lighting Accessories (26 51 13 00-0017)		
26 51 13 00-0033			Pendant Mounting (26 51 13 00-0032)		
26 51 13 00-0034	EA		Track Lighting Pendant Mounting, Up to 12"	27.10	
26 51 13 00-0035	EA		Track Lighting Pendant Mounting, >12" To 24".....	34.50	
26 51 13 00-0036	EA		Track Lighting Pendant Mounting, >24" To 36".....	41.96	
26 51 13 00-0037			Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)		
26 51 13 00-0038			Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0037)		
26 51 13 00-0039	EA		100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	131.87	48.98
			<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0040	EA		200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	150.30	48.98
			<i>For Wall Mounted, Add</i>	5.10	
26 51 16			Fluorescent Interior Lighting (26 51)		
26 51 16 00-0001			Fluorescent Fixtures (26 51 16)		
26 51 16 00-0002			Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0003			6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0004	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	191.49	35.02
26 51 16 00-0005	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	215.52	35.02
26 51 16 00-0006			6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0007	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	216.65	36.48
26 51 16 00-0008	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	243.04	36.48
26 51 16 00-0009			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0010	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	258.86	40.95
26 51 16 00-0011	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	307.91	40.95
26 51 16 00-0012	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	361.89	40.95
26 51 16 00-0013			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0014	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	209.70	44.76
26 51 16 00-0015	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	243.15	44.76
26 51 16 00-0016			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
26 51 16 00-0017	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	331.26	52.14
26 51 16 00-0018	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	356.98	52.14
26 51 16 00-0019	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	405.96	52.14



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0020 Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001) Note: Includes prismatic lens.		
26 51 16 00-0021 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0022 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	257.39	40.61
26 51 16 00-0023 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	421.05	40.61
26 51 16 00-0024 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	480.89	40.61
26 51 16 00-0025 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0026 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	404.30	44.76
26 51 16 00-0027 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	441.99	44.76
26 51 16 00-0028 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	469.16	44.76
26 51 16 00-0029 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0030 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	409.57	52.14
26 51 16 00-0031 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	449.82	52.14
26 51 16 00-0032 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	471.99	52.14
26 51 16 00-0033 EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	505.72	52.14
26 51 16 00-0034 4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)		
26 51 16 00-0035 EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	816.21	67.13
26 51 16 00-0036 EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	829.76	67.13
26 51 16 00-0037 EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	654.50	67.13
26 51 16 00-0038 Recessed Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0039 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0040 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0041 EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	367.10	35.02
For Drywall Or Plaster Ceilings, Add	23.67	
26 51 16 00-0042 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0043 EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	485.78	40.61
For Drywall Or Plaster Ceilings, Add	27.69	
26 51 16 00-0044 EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	910.79	40.61
For Drywall Or Plaster Ceilings, Add	27.69	
26 51 16 00-0045 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0046 EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	491.08	44.76
For Drywall Or Plaster Ceilings, Add	30.21	
26 51 16 00-0047 EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	566.24	44.76
For Drywall Or Plaster Ceilings, Add	30.21	
26 51 16 00-0048 EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	571.97	44.76
For Drywall Or Plaster Ceilings, Add	30.21	
26 51 16 00-0049 EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	617.62	44.76
For Drywall Or Plaster Ceilings, Add	30.21	
26 51 16 00-0050 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0051 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	469.17	52.14
For Drywall Or Plaster Ceilings, Add	35.25	
26 51 16 00-0052 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	668.93	52.14
For Drywall Or Plaster Ceilings, Add	35.25	
26 51 16 00-0053 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	675.70	52.14
For Drywall Or Plaster Ceilings, Add	35.25	
26 51 16 00-0054 EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	756.06	52.14
For Drywall Or Plaster Ceilings, Add	35.25	
26 51 16 00-0055 EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	643.00	52.14
For Drywall Or Plaster Ceilings, Add	35.25	
26 51 16 00-0056 EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	894.10	52.14
For Drywall Or Plaster Ceilings, Add	35.25	
26 51 16 00-0057 EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	910.02	52.14
For Drywall Or Plaster Ceilings, Add	35.25	
26 51 16 00-0058 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0059 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0060 EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	435.60	35.02
For Drywall Or Plaster Ceilings, Add	23.67	
26 51 16 00-0061 EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	441.32	35.02
For Drywall Or Plaster Ceilings, Add	23.67	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0062	EA		3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	521.27 23.67	35.02
26 51 16 00-0063			1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0064	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	495.96 27.69	40.61
26 51 16 00-0065	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	502.74 27.69	40.61
26 51 16 00-0066	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	570.49 27.69	40.61
26 51 16 00-0067			2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0068	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	507.20 30.21	44.76
26 51 16 00-0069	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	512.92 30.21	44.76
26 51 16 00-0070	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	591.64 30.21	44.76
26 51 16 00-0071			2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0072	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	469.17 35.25	52.14
26 51 16 00-0073	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	554.18 35.25	52.14
26 51 16 00-0074	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	634.88 35.25	52.14
26 51 16 00-0075	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	722.66 35.25	52.14
26 51 16 00-0076			Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0077			1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0078	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	961.46 27.69	40.61
26 51 16 00-0079	EA		2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	968.24 27.69	40.61
26 51 16 00-0080	EA		1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,146.15 27.69	40.61
26 51 16 00-0081	EA		2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,162.07 27.69	40.61
26 51 16 00-0082			2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0083	EA		2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	752.76 30.21	44.76
26 51 16 00-0084	EA		3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	842.84 30.21	44.76
26 51 16 00-0085	EA		2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,038.04 30.21	44.76
26 51 16 00-0086			2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0087	EA		2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	844.00 35.25	52.14
26 51 16 00-0088	EA		3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,051.18 35.25	52.14
26 51 16 00-0089	EA		1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,121.00 35.25	52.14
26 51 16 00-0090	EA		2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	1,232.86 35.25	52.14
26 51 16 00-0091			Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0092			1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0093	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	744.39 27.69	40.61
26 51 16 00-0094	EA		2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	996.55 27.69	40.61
26 51 16 00-0095			2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0096	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	739.90 30.21	44.76
26 51 16 00-0097	EA		2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	852.65 30.21	44.76



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0098 2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0091)</small>		
26 51 16 00-0099 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	820.78 35.25	52.14
26 51 16 00-0100 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	822.66 35.25	52.14
26 51 16 00-0101 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0102 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0103 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	688.12 27.69	40.61
26 51 16 00-0104 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0105 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	656.08 30.21	44.76
26 51 16 00-0106 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0101)</small>		
26 51 16 00-0107 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	796.31 35.25	52.14
26 51 16 00-0108 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	615.54 35.25	52.14
26 51 16 00-0109 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	917.19 35.25	52.14
26 51 16 00-0110 Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0111 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0112 EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	653.86 27.69	40.61
26 51 16 00-0113 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0114 EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	655.26 30.21	44.76
26 51 16 00-0115 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0116 EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	815.54 35.25	52.14
26 51 16 00-0117 EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	828.99 35.25	52.14
26 51 16 00-0118 EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	849.95 35.25	52.14
26 51 16 00-0119 Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0120 1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0121 EA 1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	267.41	33.57
26 51 16 00-0122 EA 2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	333.16	33.57
26 51 16 00-0123 EA 3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	324.99	37.26
26 51 16 00-0124 EA 4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	330.56	40.95
26 51 16 00-0125 EA 8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	404.81	48.50
26 51 16 00-0126 2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0127 EA 2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	329.62	37.26
26 51 16 00-0128 EA 3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	337.40	40.95
26 51 16 00-0129 EA 4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	342.92	44.76
26 51 16 00-0130 3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0131 EA 2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	494.93	37.26
26 51 16 00-0132 EA 3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	474.10	40.95
26 51 16 00-0133 EA 4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	479.60	44.76
26 51 16 00-0134 Display Case Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	178.32	36.73
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	242.34	36.73
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	261.50	42.86
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	270.60	42.86
26 51 16 00-0139		Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	396.25	33.57
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	415.73	40.95
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	780.90	52.14
26 51 16 00-0144		2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	407.56	37.26
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	428.10	44.76
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	794.45	52.14
26 51 16 00-0148		3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	424.41	37.26
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	443.23	44.76
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	681.82	52.14
26 51 16 00-0152		4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	620.35	44.76
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	918.05	52.14
26 51 16 00-0155		Flanged Fluorescent Fixture (26 51 16 00-0001)		
		Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	573.19	67.13
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	691.30	67.13
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	698.07	67.13
26 51 16 00-0159		Undercabinet Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	204.74	30.20
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	237.29	36.92
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	233.06	36.92
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	284.31	40.28
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	330.42	46.99
26 51 16 00-0165		Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001)		
		Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166		2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0167	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	258.08	33.57
26 51 16 00-0168	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	288.10	33.57
26 51 16 00-0169		3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0170	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	294.84	35.24
26 51 16 00-0171	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	323.50	35.24
26 51 16 00-0172		4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0165)		
26 51 16 00-0173	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	290.57	36.92
26 51 16 00-0174	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	320.32	36.92
26 51 16 00-0175		Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0176		Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0175)		
		Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	245.06	56.32
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	249.93	56.32
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	319.38	56.32
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	326.19	56.32
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0176)		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0184 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	330.87	56.32
26 51 16 00-0185 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	335.75	56.32
26 51 16 00-0186 Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0175) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0188 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	670.32	56.32
26 51 16 00-0189 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	675.20	56.32
26 51 16 00-0190 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0191 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	523.85	56.32
26 51 16 00-0192 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	530.66	56.32
26 51 16 00-0193 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0186)		
26 51 16 00-0194 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	606.85	56.32
26 51 16 00-0195 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	611.73	56.32
26 51 16 00-0196 Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0175) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0198 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	234.39	56.32
26 51 16 00-0199 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	239.27	56.32
26 51 16 00-0200 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0201 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	236.33	56.32
26 51 16 00-0202 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	243.13	56.32
26 51 16 00-0203 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0196)		
26 51 16 00-0204 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	226.22	56.32
26 51 16 00-0205 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	231.10	56.32
26 51 16 00-0206 Low Occupancy, Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0207 EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	283.66	40.95
26 51 16 00-0208 EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	289.25	44.76
26 51 16 00-0209 Ceiling Mounted Fluorescent Fixtures (26 51 16)		
26 51 16 00-0210 Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0211 Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0210)		
26 51 16 00-0212 EA 6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	211.82	48.98
26 51 16 00-0213 EA 9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	259.14	48.98
26 51 16 00-0214 Ceiling Mounted, Circline Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0215 Exposed Lamps, Circline Fluorescent Fixtures (26 51 16 00-0214)		
26 51 16 00-0216 EA 8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	170.02	48.98
26 51 16 00-0217 EA 12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	187.79	48.98
26 51 16 00-0218 Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 16 00-0214)		
26 51 16 00-0219 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	274.54	48.98
26 51 16 00-0220 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	404.81	48.98
26 51 16 00-0221 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	495.07	48.98
26 51 16 00-0222 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	316.74	48.98
26 51 16 00-0223 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	407.48	48.98
26 51 16 00-0224 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	495.07	48.98
26 51 16 00-0225 Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0209)		
26 51 16 00-0226 Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0227 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	278.83	48.98
26 51 16 00-0228 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	373.82	48.98
26 51 16 00-0229 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	454.91	48.98
26 51 16 00-0230 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	217.80	48.98
26 51 16 00-0231 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	267.49	48.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0232 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	361.65	48.98
26 51 16 00-0233 Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 16 00-0209)</small>		
26 51 16 00-0234 Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 16 00-0233)</small>		
26 51 16 00-0235 EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	464.52	40.23
26 51 16 00-0236 Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 16 00-0233)</small>		
26 51 16 00-0237 EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	536.55	40.23
26 51 16 00-0238 EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	768.95	40.23
26 51 16 00-0239 Pendant Mounted, Horizontal Indirect Fluorescent Fixtures <small>(26 51 16 00-0209)</small>		
26 51 16 00-0240 EA 1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	303.41	40.23
26 51 16 00-0241 EA 2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	321.98	40.23
26 51 16 00-0242 EA 3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	385.69	40.23
26 51 16 00-0243 EA 2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	401.99	40.23
26 51 16 00-0244 EA 4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	480.17	40.23
26 51 16 00-0245 EA 6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	572.71	40.23
26 51 16 00-0246 Finelite Fluorescent Fixtures <small>(26 51 16 00-0209)</small>		
26 51 16 00-0247 Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 16 00-0246)</small>		
26 51 16 00-0248 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	517.18	57.06
26 51 16 00-0249 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	515.07	57.06
26 51 16 00-0250 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	557.39	57.06
26 51 16 00-0251 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	623.33	57.06
26 51 16 00-0252 EA 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	682.93	57.06
26 51 16 00-0253 EA 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	840.29	57.06
26 51 16 00-0254 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	739.72	59.51
26 51 16 00-0255 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	762.16	59.51
26 51 16 00-0256 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	846.82	59.51
26 51 16 00-0257 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	809.81	59.51
26 51 16 00-0258 EA 4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,017.89	59.51
26 51 16 00-0259 EA 6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,199.30	59.51
26 51 16 00-0260 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	980.04	61.95
26 51 16 00-0261 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,018.15	61.95
26 51 16 00-0262 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,127.36	61.95
26 51 16 00-0263 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,129.62	61.95
26 51 16 00-0264 EA 6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,397.29	61.95
26 51 16 00-0265 EA 9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,673.85	61.95
26 51 16 00-0266 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 16 00-0246)</small>		
26 51 16 00-0267 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	521.84	57.06
26 51 16 00-0268 EA 1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	568.94	57.06
26 51 16 00-0269 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	567.76	57.06
26 51 16 00-0270 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	769.86	59.51
26 51 16 00-0271 EA 2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	824.26	59.51
26 51 16 00-0272 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	821.91	59.51
26 51 16 00-0273 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,017.89	61.95



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0274 EA 3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,159.18	61.95
26 51 16 00-0275 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,155.66	61.95
26 51 16 00-0276 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) (26 51 16 00-0246)		
26 51 16 00-0277 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	396.91	57.06
26 51 16 00-0278 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	418.94	57.06
26 51 16 00-0279 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	496.92	57.06
26 51 16 00-0280 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	520.56	59.51
26 51 16 00-0281 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	615.48	59.51
26 51 16 00-0282 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	728.20	59.51
26 51 16 00-0283 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	720.49	61.95
26 51 16 00-0284 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	883.22	61.95
26 51 16 00-0285 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	1,056.11	61.95
26 51 16 00-0286 Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0287 EA 4" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	138.73 11.10	35.01
26 51 16 00-0288 EA 5" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	143.42 11.71	35.01
26 51 16 00-0289 EA 6" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	149.43 12.17	36.61
26 51 16 00-0290 EA 7" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	157.03 12.83	37.95
26 51 16 00-0291 EA 8" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	163.68 13.37	39.92
26 51 16 00-0292 EA 10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	169.48 13.65	42.37
26 51 16 00-0293 Compact Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0294 EA 4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	158.90 13.71	35.01
26 51 16 00-0295 EA 5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	163.52 14.30	35.01
26 51 16 00-0296 EA 6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	169.68 14.78	36.73
26 51 16 00-0297 EA 7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	174.63 15.10	38.33
26 51 16 00-0298 EA 8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	180.33 15.52	39.92
26 51 16 00-0299 EA 10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	185.78 15.75	42.37
26 51 16 00-0300 Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0301 EA 2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	297.38	20.45
26 51 16 00-0302 EA 2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	306.14	20.45
26 51 16 00-0303 EA 2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	311.61	20.45
26 51 16 00-0304 EA 2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	194.87	20.45
26 51 16 00-0305 EA 2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	333.31	20.45
26 51 16 00-0306 Compact Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0307 EA Compact Fluorescent Track Lighting Fixture	101.77	20.45
26 51 16 00-0308 Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 16)		
26 51 16 00-0309 EA 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	141.38 6.02	48.98
26 51 16 00-0310 EA 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	145.01 6.02	48.98
26 51 16 00-0311 EA 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	153.97 6.02	48.98

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 16 00-0312	Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0313	4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0312)</small>		
26 51 16 00-0314	4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 16 00-0313)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0315	EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	318.12	52.14
	For T5 Fixture Instead Of T8, Add	27.46	
26 51 16 00-0316	EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	333.78	52.14
	For T5 Fixture Instead Of T8, Add	29.25	
26 51 16 00-0317	EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	525.64	52.14
	For T5 Fixture Instead Of T8, Add	51.22	
26 51 16 00-0318	EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	452.37	52.14
26 51 16 00-0319	EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	731.16	52.14
26 51 16 00-0320	4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) <small>(26 51 16 00-0313)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0321	EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	366.84	52.14
26 51 16 00-0322	EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	371.60	52.14
26 51 16 00-0323	EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	543.13	52.14
26 51 16 00-0324	EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	448.16	52.14
26 51 16 00-0325	EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	468.63	52.14
26 51 16 00-0326	8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0312)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0327	8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 16 00-0326)</small>		
	Note: Includes high impact acrylic molded lens.		
26 51 16 00-0328	EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	603.09	70.83
	For T5 Fixture Instead Of T8, Add	56.88	
26 51 16 00-0329	EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	627.78	70.83
	For T5 Fixture Instead Of T8, Add	59.71	
26 51 16 00-0330	High Bay Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0331	(T8) Fluorescent, High Bay Fixtures <small>(26 51 16 00-0330)</small>		
26 51 16 00-0332	(T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 16 00-0331)</small>		
	Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0333	EA 2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	510.42	114.12
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0334	EA 3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	534.49	126.43
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0335	EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	605.80	144.33
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0336	EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	728.07	152.05
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0337	EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	792.70	159.10
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0338	EA 4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	448.69	144.33
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0339	EA 6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	473.43	152.05
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0340	EA 8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	541.74	159.10
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0341	(T5HO) Fluorescent, High Bay Fixtures <small>(26 51 16 00-0330)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 16 00-0342	(T5HO) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 16 00-0341)</small>		
	Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0343	EA 2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	514.94	114.12
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0344	EA 3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	538.51	126.43
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0345	EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	613.08	144.33
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0346	EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	744.08	152.05
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0347	EA 4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	470.72	144.33
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0348	EA 6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	518.61	152.05
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	
26 51 16 00-0349	EA 8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	604.65	159.10
	For Wire Guard, Add	40.50	
	For Polycarbonate Lens, Add	47.75	
	For Acrylic Lens, Add	54.00	

26 51 19 LED Interior Lighting (26 51)

26 51 19 00-0001 LED Fixtures (26 51 19)

26 51 19 00-0002 Undercabinet LED Fixtures (26 51 19 00-0001)

26 51 19 00-0003	EA 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6).....	138.73	30.20
	For >50 To 100, Deduct	-4.73	
	For >100 To 250, Deduct	-8.20	
	For >250 To 500, Deduct	-13.87	
	For >500, Deduct	-19.55	
26 51 19 00-0004	EA 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6).....	171.69	36.92
	For >50 To 100, Deduct	-5.83	
	For >100 To 250, Deduct	-10.12	
	For >250 To 500, Deduct	-17.17	
	For >500, Deduct	-24.22	
26 51 19 00-0005	EA 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6).....	172.87	36.92
	For >50 To 100, Deduct	-5.86	
	For >100 To 250, Deduct	-10.18	
	For >250 To 500, Deduct	-17.29	
	For >500, Deduct	-24.39	
26 51 19 00-0006	EA 24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30).....	163.60	30.21
	For >50 To 100, Deduct	-5.35	
	For >100 To 250, Deduct	-9.44	
	For >250 To 500, Deduct	-16.36	
	For >500, Deduct	-23.28	

26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)

26 51 19 00-0008 Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0007)

26 51 19 00-0009	EA 3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	207.22	33.57
	For >50 To 100, Deduct	-6.44	
	For >100 To 250, Deduct	-11.62	
	For >250 To 500, Deduct	-20.72	
	For >500, Deduct	-29.82	
26 51 19 00-0010	EA 2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	218.41	40.95
	For >50 To 100, Deduct	-7.00	
	For >100 To 250, Deduct	-12.46	
	For >250 To 500, Deduct	-21.84	
	For >500, Deduct	-31.22	
26 51 19 00-0011	EA 1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	237.03	33.57
	For >50 To 100, Deduct	-7.18	
	For >100 To 250, Deduct	-13.11	
	For >250 To 500, Deduct	-23.70	
	For >500, Deduct	-34.30	
26 51 19 00-0012	EA 2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	248.22	40.95
	For >50 To 100, Deduct	-7.74	
	For >100 To 250, Deduct	-13.95	
	For >250 To 500, Deduct	-24.82	
	For >500, Deduct	-35.69	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0013	EA		4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	308.69	40.95
			<i>For >50 To 100, Deduct</i>	-9.26	
			<i>For >100 To 250, Deduct</i>	-16.97	
			<i>For >250 To 500, Deduct</i>	-30.87	
			<i>For >500, Deduct</i>	-44.77	
26 51 19 00-0014			Striplight LED Fixtures (Mobern) (26 51 19 00-0007)		
26 51 19 00-0015	EA		1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	220.79	33.57
			<i>For >50 To 100, Deduct</i>	-6.78	
			<i>For >100 To 250, Deduct</i>	-12.30	
			<i>For >250 To 500, Deduct</i>	-22.08	
			<i>For >500, Deduct</i>	-31.86	
26 51 19 00-0016			Striplight LED Fixtures (Eaton) (26 51 19 00-0007)		
26 51 19 00-0017	EA		2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	280.81	40.95
			<i>For >50 To 100, Deduct</i>	-8.56	
			<i>For >100 To 250, Deduct</i>	-15.58	
			<i>For >250 To 500, Deduct</i>	-28.08	
			<i>For >500, Deduct</i>	-40.58	
26 51 19 00-0018	EA		2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	264.82	40.95
			<i>For >50 To 100, Deduct</i>	-8.16	
			<i>For >100 To 250, Deduct</i>	-14.78	
			<i>For >250 To 500, Deduct</i>	-26.48	
			<i>For >500, Deduct</i>	-38.18	
26 51 19 00-0019	EA		2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	280.81	40.95
			<i>For >50 To 100, Deduct</i>	-8.56	
			<i>For >100 To 250, Deduct</i>	-15.58	
			<i>For >250 To 500, Deduct</i>	-28.08	
			<i>For >500, Deduct</i>	-40.58	
26 51 19 00-0020			Lay-In/Troffer LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0021			Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0022			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0021)		
26 51 19 00-0023	EA		1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	594.46	40.61
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	45.11	
			<i>For >50 To 100, Deduct</i>	-16.40	
			<i>For >100 To 250, Deduct</i>	-31.26	
			<i>For >250 To 500, Deduct</i>	-59.45	
			<i>For >500, Deduct</i>	-87.63	
26 51 19 00-0024	EA		2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	325.82	44.76
			<i>For Drywall Or Plaster Ceilings, Add</i>	30.21	
			<i>For >50 To 100, Deduct</i>	-9.82	
			<i>For >100 To 250, Deduct</i>	-17.97	
			<i>For >250 To 500, Deduct</i>	-32.58	
			<i>For >500, Deduct</i>	-47.19	
26 51 19 00-0025	EA		2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	599.79	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	49.57	
			<i>For >50 To 100, Deduct</i>	-16.95	
			<i>For >100 To 250, Deduct</i>	-31.95	
			<i>For >250 To 500, Deduct</i>	-59.98	
			<i>For >500, Deduct</i>	-88.01	
26 51 19 00-0026			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0021)		
26 51 19 00-0027	EA		1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	857.39	40.61
			<i>For >50 To 100, Deduct</i>	-22.97	
			<i>For >100 To 250, Deduct</i>	-44.41	
			<i>For >250 To 500, Deduct</i>	-85.74	
			<i>For >500, Deduct</i>	-127.07	
26 51 19 00-0028	EA		2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	602.42	44.76
			<i>For >50 To 100, Deduct</i>	-16.74	
			<i>For >100 To 250, Deduct</i>	-31.80	
			<i>For >250 To 500, Deduct</i>	-60.24	
			<i>For >500, Deduct</i>	-88.68	
26 51 19 00-0029	EA		2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	785.05	52.14
			<i>For >50 To 100, Deduct</i>	-21.58	
			<i>For >100 To 250, Deduct</i>	-41.21	
			<i>For >250 To 500, Deduct</i>	-78.51	
			<i>For >500, Deduct</i>	-115.80	
26 51 19 00-0030			Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 19 00-0021)		
26 51 19 00-0031	EA		2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	396.24	44.76
			<i>For >50 To 100, Deduct</i>	-11.58	
			<i>For >100 To 250, Deduct</i>	-21.49	
			<i>For >250 To 500, Deduct</i>	-39.62	
			<i>For >500, Deduct</i>	-57.76	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0032	EA		3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	438.71	44.76
			<i>For >50 To 100, Deduct</i>	-12.65	
			<i>For >100 To 250, Deduct</i>	-23.61	
			<i>For >250 To 500, Deduct</i>	-43.87	
			<i>For >500, Deduct</i>	-64.13	
26 51 19 00-0033	EA		3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	372.89	44.76
			<i>For >50 To 100, Deduct</i>	-11.00	
			<i>For >100 To 250, Deduct</i>	-20.32	
			<i>For >250 To 500, Deduct</i>	-37.29	
			<i>For >500, Deduct</i>	-54.26	
26 51 19 00-0034	EA		4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	372.89	44.76
			<i>For >50 To 100, Deduct</i>	-11.00	
			<i>For >100 To 250, Deduct</i>	-20.32	
			<i>For >250 To 500, Deduct</i>	-37.29	
			<i>For >500, Deduct</i>	-54.26	
26 51 19 00-0035	EA		4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	400.49	44.76
			<i>For >50 To 100, Deduct</i>	-11.69	
			<i>For >100 To 250, Deduct</i>	-21.70	
			<i>For >250 To 500, Deduct</i>	-40.05	
			<i>For >500, Deduct</i>	-58.40	
26 51 19 00-0036			Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0037			Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0036)</small>		
26 51 19 00-0038	EA		1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	458.39	40.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.69	
			<i>For >50 To 100, Deduct</i>	-13.00	
			<i>For >100 To 250, Deduct</i>	-24.46	
			<i>For >250 To 500, Deduct</i>	-45.84	
			<i>For >500, Deduct</i>	-67.22	
26 51 19 00-0039	EA		1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	691.09	40.61
			<i>For Drywall Or Plaster Ceilings, Add</i>	27.69	
			<i>For >50 To 100, Deduct</i>	-18.82	
			<i>For >100 To 250, Deduct</i>	-36.09	
			<i>For >250 To 500, Deduct</i>	-69.11	
			<i>For >500, Deduct</i>	-102.13	
26 51 19 00-0040	EA		2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	536.65	44.76
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	43.62	
			<i>For >50 To 100, Deduct</i>	-15.09	
			<i>For >100 To 250, Deduct</i>	-28.51	
			<i>For >250 To 500, Deduct</i>	-53.67	
			<i>For >500, Deduct</i>	-78.82	
26 51 19 00-0041	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	616.65	44.76
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	47.62	
			<i>For >50 To 100, Deduct</i>	-17.09	
			<i>For >100 To 250, Deduct</i>	-32.51	
			<i>For >250 To 500, Deduct</i>	-61.67	
			<i>For >500, Deduct</i>	-90.82	
26 51 19 00-0042	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	680.66	44.76
			<i>For >50 To 100, Deduct</i>	-18.69	
			<i>For >100 To 250, Deduct</i>	-35.71	
			<i>For >250 To 500, Deduct</i>	-68.07	
			<i>For >500, Deduct</i>	-100.42	
26 51 19 00-0043	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	691.86	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	54.18	
			<i>For >50 To 100, Deduct</i>	-19.25	
			<i>For >100 To 250, Deduct</i>	-36.55	
			<i>For >250 To 500, Deduct</i>	-69.19	
			<i>For >500, Deduct</i>	-101.82	
26 51 19 00-0044	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	755.86	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	57.38	
			<i>For >50 To 100, Deduct</i>	-20.85	
			<i>For >100 To 250, Deduct</i>	-39.75	
			<i>For >250 To 500, Deduct</i>	-75.59	
			<i>For >500, Deduct</i>	-111.42	
26 51 19 00-0045	EA		2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	819.87	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	60.58	
			<i>For >50 To 100, Deduct</i>	-22.46	
			<i>For >100 To 250, Deduct</i>	-42.95	
			<i>For >250 To 500, Deduct</i>	-81.99	
			<i>For >500, Deduct</i>	-121.02	
26 51 19 00-0046	EA		2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	472.66	44.76
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	40.42	
			<i>For >50 To 100, Deduct</i>	-13.49	
			<i>For >100 To 250, Deduct</i>	-25.31	
			<i>For >250 To 500, Deduct</i>	-47.27	
			<i>For >500, Deduct</i>	-69.22	
26 51 19 00-0047	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	552.65	44.76
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	44.42	
			<i>For >50 To 100, Deduct</i>	-15.49	
			<i>For >100 To 250, Deduct</i>	-29.31	
			<i>For >250 To 500, Deduct</i>	-55.27	
			<i>For >500, Deduct</i>	-81.22	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0048	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	600.65	44.76
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	46.82	
			<i>For >50 To 100, Deduct</i>	-16.69	
			<i>For >100 To 250, Deduct</i>	-31.71	
			<i>For >250 To 500, Deduct</i>	-60.07	
			<i>For >500, Deduct</i>	-88.42	
26 51 19 00-0049	EA		2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	595.86	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	49.38	
			<i>For >50 To 100, Deduct</i>	-16.85	
			<i>For >100 To 250, Deduct</i>	-31.75	
			<i>For >250 To 500, Deduct</i>	-59.59	
			<i>For >500, Deduct</i>	-87.42	
26 51 19 00-0050	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	627.85	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	50.98	
			<i>For >50 To 100, Deduct</i>	-17.65	
			<i>For >100 To 250, Deduct</i>	-33.35	
			<i>For >250 To 500, Deduct</i>	-62.79	
			<i>For >500, Deduct</i>	-92.22	
26 51 19 00-0051	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	691.86	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	54.18	
			<i>For >50 To 100, Deduct</i>	-19.25	
			<i>For >100 To 250, Deduct</i>	-36.55	
			<i>For >250 To 500, Deduct</i>	-69.19	
			<i>For >500, Deduct</i>	-101.82	
26 51 19 00-0052			Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0053			Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0052)		
			Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0054	EA		2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	368.36	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	38.00	
			<i>For >50 To 100, Deduct</i>	-11.17	
			<i>For >100 To 250, Deduct</i>	-20.38	
			<i>For >250 To 500, Deduct</i>	-36.84	
			<i>For >500, Deduct</i>	-53.30	
26 51 19 00-0055	EA		4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	430.06	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	41.09	
			<i>For >50 To 100, Deduct</i>	-12.71	
			<i>For >100 To 250, Deduct</i>	-23.46	
			<i>For >250 To 500, Deduct</i>	-43.01	
			<i>For >500, Deduct</i>	-62.55	
26 51 19 00-0056	EA		6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	485.60	52.14
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	43.86	
			<i>For >50 To 100, Deduct</i>	-14.10	
			<i>For >100 To 250, Deduct</i>	-26.24	
			<i>For >250 To 500, Deduct</i>	-48.56	
			<i>For >500, Deduct</i>	-70.88	
26 51 19 00-0057			Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 19 00-0052)		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0058	EA		1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	495.96	52.14
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	150.81	
			<i>For Surface Mount, Add</i>	271.25	
			<i>For >50 To 100, Deduct</i>	-14.36	
			<i>For >100 To 250, Deduct</i>	-26.76	
			<i>For >250 To 500, Deduct</i>	-49.60	
			<i>For >500, Deduct</i>	-72.44	
26 51 19 00-0059	EA		1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	536.01	52.14
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	150.81	
			<i>For Surface Mount, Add</i>	271.25	
			<i>For >50 To 100, Deduct</i>	-15.36	
			<i>For >100 To 250, Deduct</i>	-28.76	
			<i>For >250 To 500, Deduct</i>	-53.60	
			<i>For >500, Deduct</i>	-78.44	
26 51 19 00-0060	EA		1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	536.01	52.14
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	150.81	
			<i>For Surface Mount, Add</i>	271.25	
			<i>For >50 To 100, Deduct</i>	-15.36	
			<i>For >100 To 250, Deduct</i>	-28.76	
			<i>For >250 To 500, Deduct</i>	-53.60	
			<i>For >500, Deduct</i>	-78.44	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0061	EA		1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	595.14	52.14
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	150.81	
			<i>For Surface Mount, Add</i>	271.25	
			<i>For >50 To 100, Deduct</i>	-16.84	
			<i>For >100 To 250, Deduct</i>	-31.72	
			<i>For >250 To 500, Deduct</i>	-59.51	
			<i>For >500, Deduct</i>	-87.31	
26 51 19 00-0062	EA		2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	462.10	44.76
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	131.98	
			<i>For Surface Mount, Add</i>	255.66	
			<i>For >50 To 100, Deduct</i>	-13.23	
			<i>For >100 To 250, Deduct</i>	-24.78	
			<i>For >250 To 500, Deduct</i>	-46.21	
			<i>For >500, Deduct</i>	-67.64	
26 51 19 00-0063	EA		2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	435.17	44.76
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	131.98	
			<i>For Surface Mount, Add</i>	255.66	
			<i>For >50 To 100, Deduct</i>	-12.56	
			<i>For >100 To 250, Deduct</i>	-23.44	
			<i>For >250 To 500, Deduct</i>	-43.52	
			<i>For >500, Deduct</i>	-63.60	
26 51 19 00-0064	EA		2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	518.18	52.14
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	154.62	
			<i>For Surface Mount, Add</i>	296.05	
			<i>For >50 To 100, Deduct</i>	-14.91	
			<i>For >100 To 250, Deduct</i>	-27.87	
			<i>For >250 To 500, Deduct</i>	-51.82	
			<i>For >500, Deduct</i>	-75.77	
26 51 19 00-0065	EA		2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	536.01	52.14
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	154.62	
			<i>For Surface Mount, Add</i>	296.05	
			<i>For >50 To 100, Deduct</i>	-15.36	
			<i>For >100 To 250, Deduct</i>	-28.76	
			<i>For >250 To 500, Deduct</i>	-53.60	
			<i>For >500, Deduct</i>	-78.44	
26 51 19 00-0066	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	536.01	52.14
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	154.62	
			<i>For Surface Mount, Add</i>	296.05	
			<i>For >50 To 100, Deduct</i>	-15.36	
			<i>For >100 To 250, Deduct</i>	-28.76	
			<i>For >250 To 500, Deduct</i>	-53.60	
			<i>For >500, Deduct</i>	-78.44	
26 51 19 00-0067	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™)	686.69	52.14
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	154.62	
			<i>For Surface Mount, Add</i>	296.05	
			<i>For >50 To 100, Deduct</i>	-19.13	
			<i>For >100 To 250, Deduct</i>	-36.29	
			<i>For >250 To 500, Deduct</i>	-68.67	
			<i>For >500, Deduct</i>	-101.05	
26 51 19 00-0068	EA		2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	595.14	52.14
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	5.34	
			<i>For Drywall Or Plaster Ceilings, Add</i>	154.62	
			<i>For Surface Mount, Add</i>	296.05	
			<i>For >50 To 100, Deduct</i>	-16.84	
			<i>For >100 To 250, Deduct</i>	-31.72	
			<i>For >250 To 500, Deduct</i>	-59.51	
			<i>For >500, Deduct</i>	-87.31	
26 51 19 00-0069			Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 19 00-0052)</small>		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0070	EA		2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	264.81	44.76
			<i>For >50 To 100, Deduct</i>	-8.30	
			<i>For >100 To 250, Deduct</i>	-14.92	
			<i>For >250 To 500, Deduct</i>	-26.48	
			<i>For >500, Deduct</i>	-38.04	
26 51 19 00-0071	EA		2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	350.59	52.14
			<i>For >50 To 100, Deduct</i>	-10.72	
			<i>For >100 To 250, Deduct</i>	-19.49	
			<i>For >250 To 500, Deduct</i>	-35.06	
			<i>For >500, Deduct</i>	-50.63	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0072		Architectural, Lay-In/Troffer LED Fixtures (Finelite) <small>(26 51 19 00-0052)</small>		
		Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0073	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	396.81	44.76
		<i>For >50 To 100, Deduct</i>	-11.60	
		<i>For >100 To 250, Deduct</i>	-21.52	
		<i>For >250 To 500, Deduct</i>	-39.68	
		<i>For >500, Deduct</i>	-57.84	
26 51 19 00-0074	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	538.29	52.59
		<i>For >50 To 100, Deduct</i>	-15.42	
		<i>For >100 To 250, Deduct</i>	-28.87	
		<i>For >250 To 500, Deduct</i>	-53.83	
		<i>For >500, Deduct</i>	-78.79	
26 51 19 00-0075		Shadow Box Style, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0076		Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) <small>(26 51 19 00-0075)</small>		
26 51 19 00-0077	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2).....	631.39	44.76
		<i>For Drywall Or Plaster Ceilings, Add</i>	30.21	
		<i>For >50 To 100, Deduct</i>	-17.46	
		<i>For >100 To 250, Deduct</i>	-33.25	
		<i>For >250 To 500, Deduct</i>	-63.14	
		<i>For >500, Deduct</i>	-93.03	
26 51 19 00-0078	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4).....	861.77	52.14
		<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	62.67	
		<i>For >50 To 100, Deduct</i>	-23.50	
		<i>For >100 To 250, Deduct</i>	-45.05	
		<i>For >250 To 500, Deduct</i>	-86.18	
		<i>For >500, Deduct</i>	-127.31	
26 51 19 00-0079		Panel Type, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51 19 00-0080		Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) <small>(26 51 19 00-0079)</small>		
26 51 19 00-0081	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	430.29	52.14
		<i>For >50 To 100, Deduct</i>	-12.72	
		<i>For >100 To 250, Deduct</i>	-23.47	
		<i>For >250 To 500, Deduct</i>	-43.03	
		<i>For >500, Deduct</i>	-62.59	
26 51 19 00-0082	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	447.14	52.14
		<i>For >50 To 100, Deduct</i>	-13.14	
		<i>For >100 To 250, Deduct</i>	-24.32	
		<i>For >250 To 500, Deduct</i>	-44.71	
		<i>For >500, Deduct</i>	-65.11	
26 51 19 00-0083	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	558.85	52.14
		<i>For >50 To 100, Deduct</i>	-15.93	
		<i>For >100 To 250, Deduct</i>	-29.90	
		<i>For >250 To 500, Deduct</i>	-55.89	
		<i>For >500, Deduct</i>	-81.87	
26 51 19 00-0084	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	558.85	52.14
		<i>For >50 To 100, Deduct</i>	-15.93	
		<i>For >100 To 250, Deduct</i>	-29.90	
		<i>For >250 To 500, Deduct</i>	-55.89	
		<i>For >500, Deduct</i>	-81.87	
26 51 19 00-0085		Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) <small>(26 51 19 00-0079)</small>		
26 51 19 00-0086	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH).....	226.46	52.14
		<i>For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add</i>	55.34	
		<i>For >50 To 100, Deduct</i>	-7.62	
		<i>For >100 To 250, Deduct</i>	-13.28	
		<i>For >250 To 500, Deduct</i>	-22.65	
		<i>For >500, Deduct</i>	-32.01	
26 51 19 00-0087	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	233.68	52.14
		<i>For >50 To 100, Deduct</i>	-7.80	
		<i>For >100 To 250, Deduct</i>	-13.64	
		<i>For >250 To 500, Deduct</i>	-23.37	
		<i>For >500, Deduct</i>	-33.09	
26 51 19 00-0088	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	236.98	52.14
		<i>For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)</i>	69.17	
		<i>For >50 To 100, Deduct</i>	-7.88	
		<i>For >100 To 250, Deduct</i>	-13.81	
		<i>For >250 To 500, Deduct</i>	-23.70	
		<i>For >500, Deduct</i>	-33.59	
26 51 19 00-0089	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH).....	548.72	52.14
		<i>For >50 To 100, Deduct</i>	-15.68	
		<i>For >100 To 250, Deduct</i>	-29.39	
		<i>For >250 To 500, Deduct</i>	-54.87	
		<i>For >500, Deduct</i>	-80.35	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0090 Surface Mount LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0091 Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0090)		
26 51 19 00-0092 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	321.87	33.57
For >50 To 100, Deduct	-9.31	
For >100 To 250, Deduct	-17.35	
For >250 To 500, Deduct	-32.19	
For >500, Deduct	-47.02	
26 51 19 00-0093 EA 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	258.51	40.95
For >50 To 100, Deduct	-8.00	
For >100 To 250, Deduct	-14.46	
For >250 To 500, Deduct	-25.85	
For >500, Deduct	-37.24	
26 51 19 00-0094 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	326.58	40.95
For >50 To 100, Deduct	-9.70	
For >100 To 250, Deduct	-17.87	
For >250 To 500, Deduct	-32.66	
For >500, Deduct	-47.45	
26 51 19 00-0095 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0090)		
26 51 19 00-0096 EA 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	273.07	33.57
For >50 To 100, Deduct	-8.09	
For >100 To 250, Deduct	-14.91	
For >250 To 500, Deduct	-27.31	
For >500, Deduct	-39.70	
26 51 19 00-0097 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	358.90	40.95
For >50 To 100, Deduct	-10.51	
For >100 To 250, Deduct	-19.48	
For >250 To 500, Deduct	-35.89	
For >500, Deduct	-52.30	
26 51 19 00-0098 Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0090)		
26 51 19 00-0099 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0098)		
26 51 19 00-0100 EA 2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	810.53	44.76
For >50 To 100, Deduct	-21.94	
For >100 To 250, Deduct	-42.20	
For >250 To 500, Deduct	-81.05	
For >500, Deduct	-119.90	
26 51 19 00-0101 EA 2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	1,040.92	52.14
For >50 To 100, Deduct	-27.98	
For >100 To 250, Deduct	-54.00	
For >250 To 500, Deduct	-104.09	
For >500, Deduct	-154.18	
26 51 19 00-0102 Surface Mount, Low Profile Fixtures (26 51 19 00-0090)		
26 51 19 00-0103 EA 6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	107.06	30.68
For >50 To 100, Deduct	-4.21	
For >100 To 250, Deduct	-6.89	
For >250 To 500, Deduct	-10.71	
For >500, Deduct	-14.52	
26 51 19 00-0104 EA 6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	87.22	30.68
For >50 To 100, Deduct	-3.71	
For >100 To 250, Deduct	-5.90	
For >250 To 500, Deduct	-8.72	
For >500, Deduct	-11.55	
26 51 19 00-0105 EA 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	148.70	30.68
For >50 To 100, Deduct	-5.25	
For >100 To 250, Deduct	-8.97	
For >250 To 500, Deduct	-14.87	
For >500, Deduct	-20.77	
26 51 19 00-0106 EA 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	180.44	30.68
For >50 To 100, Deduct	-6.05	
For >100 To 250, Deduct	-10.56	
For >250 To 500, Deduct	-18.04	
For >500, Deduct	-25.53	
26 51 19 00-0107 Recessed LED Downlights (26 51 19 00-0001)		
26 51 19 00-0108 Recessed LED Downlights (26 51 19 00-0107)		
26 51 19 00-0109 Recessed LED Downlights (Lithonia) (26 51 19 00-0108)		
Note: Includes housing and trim.		
26 51 19 00-0110 EA 8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	368.39	53.88
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	75.93	
For >50 To 100, Deduct	-11.23	
For >100 To 250, Deduct	-20.44	
For >250 To 500, Deduct	-36.84	
For >500, Deduct	-53.24	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0111	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED) <i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	399.24 75.93 -12.00 -21.98 -39.92 -57.87	53.88
26 51 19 00-0112 Recessed LED Downlights (Portfolio®) (26 51 19 00-0108)					
Note: Includes housing and trim.					
26 51	19 00-0113	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	237.17 -7.95 -13.88 -23.72 -33.56	53.88
26 51 19 00-0114 Recessed LED Downlights (Gotham® EVO®) (26 51 19 00-0108)					
Note: Includes housing and trim.					
26 51	19 00-0115	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	285.97 -9.17 -16.32 -28.60 -40.88	53.88
26 51	19 00-0116	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	294.64 -9.39 -16.75 -29.46 -42.18	53.88
26 51	19 00-0117	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	330.20 -10.28 -18.53 -33.02 -47.51	53.88
26 51	19 00-0118	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	333.68 -10.36 -18.70 -33.37 -48.03	53.88
26 51	19 00-0119	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	364.03 -11.12 -20.22 -36.40 -52.58	53.88
26 51 19 00-0120 Recessed LED Downlights (Lightolier) (26 51 19 00-0108)					
Note: Includes housing and trim.					
26 51	19 00-0121	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	605.64 -17.16 -32.30 -60.56 -88.83	53.88
26 51	19 00-0122	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	710.87 -19.79 -37.56 -71.09 -104.61	53.88
26 51	19 00-0123	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	763.37 -21.10 -40.19 -76.34 -112.49	53.88
26 51	19 00-0124	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	763.37 -21.10 -40.19 -76.34 -112.49	53.88
26 51	19 00-0125	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	789.74 -21.76 -41.51 -78.97 -116.44	53.88
26 51	19 00-0126	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	816.12 -22.42 -42.83 -81.61 -120.40	53.88

26 51 19 00-0127 Recessed LED Downlights (Cooper) (26 51 19 00-0108)



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0128	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	151.05	53.88
			<i>For >50 To 100, Deduct</i>	-5.80	
			<i>For >100 To 250, Deduct</i>	-9.57	
			<i>For >250 To 500, Deduct</i>	-15.11	
			<i>For >500, Deduct</i>	-20.64	
26 51	19 00-0129	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	151.05	53.88
			<i>For >50 To 100, Deduct</i>	-5.80	
			<i>For >100 To 250, Deduct</i>	-9.57	
			<i>For >250 To 500, Deduct</i>	-15.11	
			<i>For >500, Deduct</i>	-20.64	
26 51	19 00-0130	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	151.05	53.88
			<i>For >50 To 100, Deduct</i>	-5.80	
			<i>For >100 To 250, Deduct</i>	-9.57	
			<i>For >250 To 500, Deduct</i>	-15.11	
			<i>For >500, Deduct</i>	-20.64	
26 51	19 00-0131	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	151.05	53.88
			<i>For >50 To 100, Deduct</i>	-5.80	
			<i>For >100 To 250, Deduct</i>	-9.57	
			<i>For >250 To 500, Deduct</i>	-15.11	
			<i>For >500, Deduct</i>	-20.64	
26 51	19 00-0132	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	153.66	53.88
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100 To 250, Deduct</i>	-9.70	
			<i>For >250 To 500, Deduct</i>	-15.37	
			<i>For >500, Deduct</i>	-21.03	
26 51	19 00-0133	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	153.66	53.88
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100 To 250, Deduct</i>	-9.70	
			<i>For >250 To 500, Deduct</i>	-15.37	
			<i>For >500, Deduct</i>	-21.03	
26 51	19 00-0134	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	153.66	53.88
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100 To 250, Deduct</i>	-9.70	
			<i>For >250 To 500, Deduct</i>	-15.37	
			<i>For >500, Deduct</i>	-21.03	
26 51	19 00-0135	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	153.66	53.88
			<i>For >50 To 100, Deduct</i>	-5.86	
			<i>For >100 To 250, Deduct</i>	-9.70	
			<i>For >250 To 500, Deduct</i>	-15.37	
			<i>For >500, Deduct</i>	-21.03	
26 51	19 00-0136	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	189.13	53.88
			<i>For >50 To 100, Deduct</i>	-6.75	
			<i>For >100 To 250, Deduct</i>	-11.48	
			<i>For >250 To 500, Deduct</i>	-18.91	
			<i>For >500, Deduct</i>	-26.35	
26 51	19 00-0137	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	187.33	53.88
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100 To 250, Deduct</i>	-11.39	
			<i>For >250 To 500, Deduct</i>	-18.73	
			<i>For >500, Deduct</i>	-26.08	
26 51	19 00-0138	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	187.33	53.88
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100 To 250, Deduct</i>	-11.39	
			<i>For >250 To 500, Deduct</i>	-18.73	
			<i>For >500, Deduct</i>	-26.08	
26 51	19 00-0139	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	187.33	53.88
			<i>For >50 To 100, Deduct</i>	-6.70	
			<i>For >100 To 250, Deduct</i>	-11.39	
			<i>For >250 To 500, Deduct</i>	-18.73	
			<i>For >500, Deduct</i>	-26.08	
26 51	19 00-0140	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	88.81	17.15
			<i>For >50 To 100, Deduct</i>	-2.86	
			<i>For >100 To 250, Deduct</i>	-5.08	
			<i>For >250 To 500, Deduct</i>	-8.88	
			<i>For >500, Deduct</i>	-12.68	
26 51	19 00-0141	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	56.35	17.15
			<i>For >50 To 100, Deduct</i>	-2.05	
			<i>For >100 To 250, Deduct</i>	-3.46	
			<i>For >250 To 500, Deduct</i>	-5.64	
			<i>For >500, Deduct</i>	-7.81	
26 51	19 00-0142	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	70.32	17.15
			<i>For >50 To 100, Deduct</i>	-2.40	
			<i>For >100 To 250, Deduct</i>	-4.16	
			<i>For >250 To 500, Deduct</i>	-7.03	
			<i>For >500, Deduct</i>	-9.91	
26 51	19 00-0143	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	59.16	17.15
			<i>For >50 To 100, Deduct</i>	-2.12	
			<i>For >100 To 250, Deduct</i>	-3.60	
			<i>For >250 To 500, Deduct</i>	-5.92	
			<i>For >500, Deduct</i>	-8.23	
26 51	19 00-0144	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	47.75	17.15
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100 To 250, Deduct</i>	-3.03	
			<i>For >250 To 500, Deduct</i>	-4.78	
			<i>For >500, Deduct</i>	-6.52	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0145	EA		5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	58.66	17.15
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100 To 250, Deduct</i>	-3.58	
			<i>For >250 To 500, Deduct</i>	-5.87	
			<i>For >500, Deduct</i>	-8.16	
26 51 19 00-0146	EA		5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB).....	65.31	17.15
			<i>For >50 To 100, Deduct</i>	-2.28	
			<i>For >100 To 250, Deduct</i>	-3.91	
			<i>For >250 To 500, Deduct</i>	-6.53	
			<i>For >500, Deduct</i>	-9.15	
26 51 19 00-0147	EA		5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB).....	71.23	17.15
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100 To 250, Deduct</i>	-4.20	
			<i>For >250 To 500, Deduct</i>	-7.12	
			<i>For >500, Deduct</i>	-10.04	
26 51 19 00-0148	EA		5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	82.79	17.15
			<i>For >50 To 100, Deduct</i>	-2.71	
			<i>For >100 To 250, Deduct</i>	-4.78	
			<i>For >250 To 500, Deduct</i>	-8.28	
			<i>For >500, Deduct</i>	-11.78	
26 51 19 00-0149	EA		5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB).....	83.17	17.15
			<i>For >50 To 100, Deduct</i>	-2.72	
			<i>For >100 To 250, Deduct</i>	-4.80	
			<i>For >250 To 500, Deduct</i>	-8.32	
			<i>For >500, Deduct</i>	-11.83	
26 51 19 00-0150	EA		5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB).....	81.51	17.15
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100 To 250, Deduct</i>	-4.72	
			<i>For >250 To 500, Deduct</i>	-8.15	
			<i>For >500, Deduct</i>	-11.58	
26 51 19 00-0151	EA		5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	100.48	17.15
			<i>For >50 To 100, Deduct</i>	-3.15	
			<i>For >100 To 250, Deduct</i>	-5.67	
			<i>For >250 To 500, Deduct</i>	-10.05	
			<i>For >500, Deduct</i>	-14.43	
26 51 19 00-0152	EA		5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB).....	48.16	17.15
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100 To 250, Deduct</i>	-3.05	
			<i>For >250 To 500, Deduct</i>	-4.82	
			<i>For >500, Deduct</i>	-6.58	
26 51 19 00-0153	EA		6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB).....	86.03	17.15
			<i>For >50 To 100, Deduct</i>	-2.79	
			<i>For >100 To 250, Deduct</i>	-4.94	
			<i>For >250 To 500, Deduct</i>	-8.60	
			<i>For >500, Deduct</i>	-12.26	
26 51 19 00-0154	EA		6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC).....	73.26	17.15
			<i>For >50 To 100, Deduct</i>	-2.47	
			<i>For >100 To 250, Deduct</i>	-4.31	
			<i>For >250 To 500, Deduct</i>	-7.33	
			<i>For >500, Deduct</i>	-10.35	
26 51 19 00-0155	EA		6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H).....	68.78	17.15
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100 To 250, Deduct</i>	-4.08	
			<i>For >250 To 500, Deduct</i>	-6.88	
			<i>For >500, Deduct</i>	-9.67	
26 51 19 00-0156	EA		6" LED Trim, White Reflector And Flange (Cooper Halo 692W).....	61.39	17.15
			<i>For >50 To 100, Deduct</i>	-2.18	
			<i>For >100 To 250, Deduct</i>	-3.71	
			<i>For >250 To 500, Deduct</i>	-6.14	
			<i>For >500, Deduct</i>	-8.57	
26 51 19 00-0157	EA		6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	61.93	17.15
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100 To 250, Deduct</i>	-3.74	
			<i>For >250 To 500, Deduct</i>	-6.19	
			<i>For >500, Deduct</i>	-8.65	
26 51 19 00-0158	EA		6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	66.67	17.15
			<i>For >50 To 100, Deduct</i>	-2.31	
			<i>For >100 To 250, Deduct</i>	-3.98	
			<i>For >250 To 500, Deduct</i>	-6.67	
			<i>For >500, Deduct</i>	-9.36	
26 51 19 00-0159	EA		6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB).....	61.10	17.15
			<i>For >50 To 100, Deduct</i>	-2.17	
			<i>For >100 To 250, Deduct</i>	-3.70	
			<i>For >250 To 500, Deduct</i>	-6.11	
			<i>For >500, Deduct</i>	-8.52	
26 51 19 00-0160	EA		6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB).....	76.22	17.15
			<i>For >50 To 100, Deduct</i>	-2.55	
			<i>For >100 To 250, Deduct</i>	-4.45	
			<i>For >250 To 500, Deduct</i>	-7.62	
			<i>For >500, Deduct</i>	-10.79	
26 51 19 00-0161	EA		6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	82.60	17.15
			<i>For >50 To 100, Deduct</i>	-2.71	
			<i>For >100 To 250, Deduct</i>	-4.77	
			<i>For >250 To 500, Deduct</i>	-8.26	
			<i>For >500, Deduct</i>	-11.75	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0162 EA 6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB).....	103.80	17.15
For >50 To 100, Deduct	-3.24	
For >100 To 250, Deduct	-5.83	
For >250 To 500, Deduct	-10.38	
For >500, Deduct	-14.93	
26 51 19 00-0163 EA 6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB).....	101.14	17.15
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-5.70	
For >250 To 500, Deduct	-10.11	
For >500, Deduct	-14.53	
26 51 19 00-0164 EA 6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	102.31	17.15
For >50 To 100, Deduct	-3.20	
For >100 To 250, Deduct	-5.76	
For >250 To 500, Deduct	-10.23	
For >500, Deduct	-14.70	
26 51 19 00-0165 EA 6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB).....	62.57	17.15
For >50 To 100, Deduct	-2.21	
For >100 To 250, Deduct	-3.77	
For >250 To 500, Deduct	-6.26	
For >500, Deduct	-8.74	
26 51 19 00-0166 EA 6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT).....	60.80	36.73
For >50 To 100, Deduct	-2.90	
For >100 To 250, Deduct	-4.42	
For >250 To 500, Deduct	-6.08	
For >500, Deduct	-7.74	
26 51 19 00-0167 EA 6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	65.99	36.73
For >50 To 100, Deduct	-3.03	
For >100 To 250, Deduct	-4.68	
For >250 To 500, Deduct	-6.60	
For >500, Deduct	-8.52	
26 51 19 00-0168 EA 6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T).....	63.91	36.73
For >50 To 100, Deduct	-2.98	
For >100 To 250, Deduct	-4.57	
For >250 To 500, Deduct	-6.39	
For >500, Deduct	-8.21	
26 51 19 00-0169 EA 6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP).....	84.37	36.73
For >50 To 100, Deduct	-3.49	
For >100 To 250, Deduct	-5.60	
For >250 To 500, Deduct	-8.44	
For >500, Deduct	-11.28	
26 51 19 00-0170 EA 6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT).....	81.97	36.73
For >50 To 100, Deduct	-3.43	
For >100 To 250, Deduct	-5.48	
For >250 To 500, Deduct	-8.20	
For >500, Deduct	-10.92	
26 51 19 00-0171 EA 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT).....	66.70	36.73
For >50 To 100, Deduct	-3.05	
For >100 To 250, Deduct	-4.71	
For >250 To 500, Deduct	-6.67	
For >500, Deduct	-8.63	
26 51 19 00-0172 EA 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT).....	70.20	36.73
For >50 To 100, Deduct	-3.13	
For >100 To 250, Deduct	-4.89	
For >250 To 500, Deduct	-7.02	
For >500, Deduct	-9.15	
26 51 19 00-0173 EA 6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT).....	65.97	36.73
For >50 To 100, Deduct	-3.03	
For >100 To 250, Deduct	-4.68	
For >250 To 500, Deduct	-6.60	
For >500, Deduct	-8.52	
26 51 19 00-0174 EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT).....	69.80	36.73
For >50 To 100, Deduct	-3.12	
For >100 To 250, Deduct	-4.87	
For >250 To 500, Deduct	-6.98	
For >500, Deduct	-9.09	
26 51 19 00-0175 EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB).....	66.61	36.73
For >50 To 100, Deduct	-3.04	
For >100 To 250, Deduct	-4.71	
For >250 To 500, Deduct	-6.66	
For >500, Deduct	-8.61	
26 51 19 00-0176 EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB).....	66.25	36.73
For >50 To 100, Deduct	-3.03	
For >100 To 250, Deduct	-4.69	
For >250 To 500, Deduct	-6.63	
For >500, Deduct	-8.56	
26 51 19 00-0177 EA 6" Non-IC, New Construction Housing (Cooper Halo H7T).....	69.01	36.73
For >50 To 100, Deduct	-3.10	
For >100 To 250, Deduct	-4.83	
For >250 To 500, Deduct	-6.90	
For >500, Deduct	-8.97	
26 51 19 00-0178 EA 6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	70.51	36.73
For >50 To 100, Deduct	-3.14	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-7.05	
For >500, Deduct	-9.20	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0179 EA 6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	70.99	36.73
For>50 To 100, Deduct	-3.15	
For>100 To 250, Deduct	-4.93	
For>250 To 500, Deduct	-7.10	
For>500, Deduct	-9.27	
26 51 19 00-0180 EA 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	94.16	36.73
For>50 To 100, Deduct	-3.73	
For>100 To 250, Deduct	-6.09	
For>250 To 500, Deduct	-9.42	
For>500, Deduct	-12.75	
26 51 19 00-0181 EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UIC).....	88.35	36.73
For>50 To 100, Deduct	-3.59	
For>100 To 250, Deduct	-5.80	
For>250 To 500, Deduct	-8.84	
For>500, Deduct	-11.88	
26 51 19 00-0182 EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	89.02	36.73
For>50 To 100, Deduct	-3.60	
For>100 To 250, Deduct	-5.83	
For>250 To 500, Deduct	-8.90	
For>500, Deduct	-11.98	
26 51 19 00-0183 EA 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	92.91	36.73
For>50 To 100, Deduct	-3.70	
For>100 To 250, Deduct	-6.02	
For>250 To 500, Deduct	-9.29	
For>500, Deduct	-12.56	
26 51 19 00-0184 EA 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	92.91	36.73
For>50 To 100, Deduct	-3.70	
For>100 To 250, Deduct	-6.02	
For>250 To 500, Deduct	-9.29	
For>500, Deduct	-12.56	
26 51 19 00-0185 EA 6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	92.91	36.73
For>50 To 100, Deduct	-3.70	
For>100 To 250, Deduct	-6.02	
For>250 To 500, Deduct	-9.29	
For>500, Deduct	-12.56	
26 51 19 00-0186 EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	92.91	36.73
For>50 To 100, Deduct	-3.70	
For>100 To 250, Deduct	-6.02	
For>250 To 500, Deduct	-9.29	
For>500, Deduct	-12.56	
26 51 19 00-0187 EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	92.91	36.73
For>50 To 100, Deduct	-3.70	
For>100 To 250, Deduct	-6.02	
For>250 To 500, Deduct	-9.29	
For>500, Deduct	-12.56	
26 51 19 00-0188 EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	82.74	36.73
For>50 To 100, Deduct	-3.45	
For>100 To 250, Deduct	-5.51	
For>250 To 500, Deduct	-8.27	
For>500, Deduct	-11.03	
26 51 19 00-0189 EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	82.74	36.73
For>50 To 100, Deduct	-3.45	
For>100 To 250, Deduct	-5.51	
For>250 To 500, Deduct	-8.27	
For>500, Deduct	-11.03	
26 51 19 00-0190 EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	82.74	36.73
For>50 To 100, Deduct	-3.45	
For>100 To 250, Deduct	-5.51	
For>250 To 500, Deduct	-8.27	
For>500, Deduct	-11.03	
26 51 19 00-0191 EA 6" Non-IC, New Construction Housing (Cooper Halo ET700).....	82.74	36.73
For>50 To 100, Deduct	-3.45	
For>100 To 250, Deduct	-5.51	
For>250 To 500, Deduct	-8.27	
For>500, Deduct	-11.03	
26 51 19 00-0192 EA 6" Non-IC, Remodel Housing (Cooper Halo ET700R)	82.74	36.73
For>50 To 100, Deduct	-3.45	
For>100 To 250, Deduct	-5.51	
For>250 To 500, Deduct	-8.27	
For>500, Deduct	-11.03	
26 51 19 00-0193 EA 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	83.48	36.73
For>50 To 100, Deduct	-3.46	
For>100 To 250, Deduct	-5.55	
For>250 To 500, Deduct	-8.35	
For>500, Deduct	-11.14	
26 51 19 00-0194 EA 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	94.91	36.73
For>50 To 100, Deduct	-3.75	
For>100 To 250, Deduct	-6.12	
For>250 To 500, Deduct	-9.49	
For>500, Deduct	-12.86	
26 51 19 00-0195 EA 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	83.48	36.73
For>50 To 100, Deduct	-3.46	
For>100 To 250, Deduct	-5.55	
For>250 To 500, Deduct	-8.35	
For>500, Deduct	-11.14	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0196 EA 6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	91.68	36.73
For >50 To 100, Deduct	-3.67	
For >100 To 250, Deduct	-5.96	
For >250 To 500, Deduct	-9.17	
For >500, Deduct	-12.37	
26 51 19 00-0197 EA 6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	78.85	36.73
For >50 To 100, Deduct	-3.35	
For >100 To 250, Deduct	-5.32	
For >250 To 500, Deduct	-7.89	
For >500, Deduct	-10.45	
26 51 19 00-0198 EA 6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	79.97	36.73
For >50 To 100, Deduct	-3.38	
For >100 To 250, Deduct	-5.38	
For >250 To 500, Deduct	-8.00	
For >500, Deduct	-10.62	
26 51 19 00-0199 EA 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	87.96	36.73
For >50 To 100, Deduct	-3.58	
For >100 To 250, Deduct	-5.78	
For >250 To 500, Deduct	-8.80	
For >500, Deduct	-11.82	
26 51 19 00-0200 EA 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	87.96	36.73
For >50 To 100, Deduct	-3.58	
For >100 To 250, Deduct	-5.78	
For >250 To 500, Deduct	-8.80	
For >500, Deduct	-11.82	
26 51 19 00-0201 EA 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	87.96	36.73
For >50 To 100, Deduct	-3.58	
For >100 To 250, Deduct	-5.78	
For >250 To 500, Deduct	-8.80	
For >500, Deduct	-11.82	
26 51 19 00-0202 EA 6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	87.96	36.73
For >50 To 100, Deduct	-3.58	
For >100 To 250, Deduct	-5.78	
For >250 To 500, Deduct	-8.80	
For >500, Deduct	-11.82	
26 51 19 00-0203 EA 6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	87.96	36.73
For >50 To 100, Deduct	-3.58	
For >100 To 250, Deduct	-5.78	
For >250 To 500, Deduct	-8.80	
For >500, Deduct	-11.82	
26 51 19 00-0204 EA 6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	71.00	17.15
For >50 To 100, Deduct	-2.42	
For >100 To 250, Deduct	-4.19	
For >250 To 500, Deduct	-7.10	
For >500, Deduct	-10.01	
26 51 19 00-0205 EA 6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	73.32	17.15
For >50 To 100, Deduct	-2.48	
For >100 To 250, Deduct	-4.31	
For >250 To 500, Deduct	-7.33	
For >500, Deduct	-10.36	
26 51 19 00-0206 EA 5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	73.80	36.73
For >50 To 100, Deduct	-3.22	
For >100 To 250, Deduct	-5.07	
For >250 To 500, Deduct	-7.38	
For >500, Deduct	-9.69	
26 51 19 00-0207 EA 5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	74.07	36.73
For >50 To 100, Deduct	-3.23	
For >100 To 250, Deduct	-5.08	
For >250 To 500, Deduct	-7.41	
For >500, Deduct	-9.73	
26 51 19 00-0208 EA 5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	69.26	36.73
For >50 To 100, Deduct	-3.11	
For >100 To 250, Deduct	-4.84	
For >250 To 500, Deduct	-6.93	
For >500, Deduct	-9.01	
26 51 19 00-0209 EA 5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	71.62	36.73
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-4.96	
For >250 To 500, Deduct	-7.16	
For >500, Deduct	-9.37	
26 51 19 00-0210 EA 5" Non-IC, New Construction Housing (Cooper Halo H5T).....	70.85	36.73
For >50 To 100, Deduct	-3.15	
For >100 To 250, Deduct	-4.92	
For >250 To 500, Deduct	-7.09	
For >500, Deduct	-9.25	
26 51 19 00-0211 EA 5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	71.57	36.73
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-4.96	
For >250 To 500, Deduct	-7.16	
For >500, Deduct	-9.36	
26 51 19 00-0212 EA 5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	81.73	36.73
For >50 To 100, Deduct	-3.42	
For >100 To 250, Deduct	-5.46	
For >250 To 500, Deduct	-8.17	
For >500, Deduct	-10.88	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0213	EA 5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT).....	82.27	36.73
	<i>For >50 To 100, Deduct</i>	-3.43	
	<i>For >100 To 250, Deduct</i>	-5.49	
	<i>For >250 To 500, Deduct</i>	-8.23	
	<i>For >500, Deduct</i>	-10.96	
26 51 19 00-0214	EA 5" Non-IC, New Construction Housing (Cooper Halo ET500).....	85.00	36.73
	<i>For >50 To 100, Deduct</i>	-3.50	
	<i>For >100 To 250, Deduct</i>	-5.63	
	<i>For >250 To 500, Deduct</i>	-8.50	
	<i>For >500, Deduct</i>	-11.37	
26 51 19 00-0215	EA 5" Non-IC, Remodel Housing (Cooper Halo ET500R).....	86.92	36.73
	<i>For >50 To 100, Deduct</i>	-3.55	
	<i>For >100 To 250, Deduct</i>	-5.72	
	<i>For >250 To 500, Deduct</i>	-8.69	
	<i>For >500, Deduct</i>	-11.66	
26 51 19 00-0216	EA 5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H251CAT).....	95.32	36.73
	<i>For >50 To 100, Deduct</i>	-3.76	
	<i>For >100 To 250, Deduct</i>	-6.14	
	<i>For >250 To 500, Deduct</i>	-9.53	
	<i>For >500, Deduct</i>	-12.92	
26 51 19 00-0217	Recessed LED Downlights (Maxlite DLR) <small>(26 51 19 00-0108)</small>		
26 51 19 00-0218	EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410).....	176.45	53.88
	<i>For >50 To 100, Deduct</i>	-6.43	
	<i>For >100 To 250, Deduct</i>	-10.84	
	<i>For >250 To 500, Deduct</i>	-17.65	
	<i>For >500, Deduct</i>	-24.45	
26 51 19 00-0219	EA 4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415).....	178.89	53.88
	<i>For >50 To 100, Deduct</i>	-6.49	
	<i>For >100 To 250, Deduct</i>	-10.97	
	<i>For >250 To 500, Deduct</i>	-17.89	
	<i>For >500, Deduct</i>	-24.81	
26 51 19 00-0220	EA 4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420).....	186.26	53.88
	<i>For >50 To 100, Deduct</i>	-6.68	
	<i>For >100 To 250, Deduct</i>	-11.33	
	<i>For >250 To 500, Deduct</i>	-18.63	
	<i>For >500, Deduct</i>	-25.92	
26 51 19 00-0221	EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615).....	171.53	53.88
	<i>For >50 To 100, Deduct</i>	-6.31	
	<i>For >100 To 250, Deduct</i>	-10.60	
	<i>For >250 To 500, Deduct</i>	-17.15	
	<i>For >500, Deduct</i>	-23.71	
26 51 19 00-0222	EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620).....	171.53	53.88
	<i>For >50 To 100, Deduct</i>	-6.31	
	<i>For >100 To 250, Deduct</i>	-10.60	
	<i>For >250 To 500, Deduct</i>	-17.15	
	<i>For >500, Deduct</i>	-23.71	
26 51 19 00-0223	EA 6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630).....	171.53	53.88
	<i>For >50 To 100, Deduct</i>	-6.31	
	<i>For >100 To 250, Deduct</i>	-10.60	
	<i>For >250 To 500, Deduct</i>	-17.15	
	<i>For >500, Deduct</i>	-23.71	
26 51 19 00-0224	EA 8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810).....	186.26	53.88
	<i>For >50 To 100, Deduct</i>	-6.68	
	<i>For >100 To 250, Deduct</i>	-11.33	
	<i>For >250 To 500, Deduct</i>	-18.63	
	<i>For >500, Deduct</i>	-25.92	
26 51 19 00-0225	EA 8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815).....	188.70	53.88
	<i>For >50 To 100, Deduct</i>	-6.74	
	<i>For >100 To 250, Deduct</i>	-11.46	
	<i>For >250 To 500, Deduct</i>	-18.87	
	<i>For >500, Deduct</i>	-26.28	
26 51 19 00-0226	EA 8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820).....	193.60	53.88
	<i>For >50 To 100, Deduct</i>	-6.86	
	<i>For >100 To 250, Deduct</i>	-11.70	
	<i>For >250 To 500, Deduct</i>	-19.36	
	<i>For >500, Deduct</i>	-27.02	
26 51 19 00-0227	EA 8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830).....	208.31	53.88
	<i>For >50 To 100, Deduct</i>	-7.23	
	<i>For >100 To 250, Deduct</i>	-12.44	
	<i>For >250 To 500, Deduct</i>	-20.83	
	<i>For >500, Deduct</i>	-29.23	
26 51 19 00-0228	EA 8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850).....	227.93	53.88
	<i>For >50 To 100, Deduct</i>	-7.72	
	<i>For >100 To 250, Deduct</i>	-13.42	
	<i>For >250 To 500, Deduct</i>	-22.79	
	<i>For >500, Deduct</i>	-32.17	

26 51 19 00-0229 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0107)

26 51 19 00-0230 Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0229)

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0231	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L).....	113.64	
			<i>For >50 To 100, Deduct</i>	-3.61	
			<i>For >100 To 250, Deduct</i>	-6.45	
			<i>For >250 To 500, Deduct</i>	-11.36	
			<i>For >500, Deduct</i>	-16.28	
26 51 19 00-0232	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L).....	100.17	
			<i>For >50 To 100, Deduct</i>	-3.27	
			<i>For >100 To 250, Deduct</i>	-5.77	
			<i>For >250 To 500, Deduct</i>	-10.02	
			<i>For >500, Deduct</i>	-14.26	
26 51 19 00-0233	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L).....	127.10	
			<i>For >50 To 100, Deduct</i>	-3.94	
			<i>For >100 To 250, Deduct</i>	-7.12	
			<i>For >250 To 500, Deduct</i>	-12.71	
			<i>For >500, Deduct</i>	-18.30	
26 51 19 00-0234	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277).....	142.80	
			<i>For >50 To 100, Deduct</i>	-4.34	
			<i>For >100 To 250, Deduct</i>	-7.91	
			<i>For >250 To 500, Deduct</i>	-14.28	
			<i>For >500, Deduct</i>	-20.65	
26 51 19 00-0235	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	156.26	
			<i>For >50 To 100, Deduct</i>	-4.67	
			<i>For >100 To 250, Deduct</i>	-8.58	
			<i>For >250 To 500, Deduct</i>	-15.63	
			<i>For >500, Deduct</i>	-22.67	
26 51 19 00-0236			Recessed LED Downlight Retrofits Trim (CREE®) <small>(26 51 19 00-0229)</small>		
			Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0237	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	40.80	8.57
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100 To 250, Deduct</i>	-2.50	
			<i>For >250 To 500, Deduct</i>	-4.08	
			<i>For >500, Deduct</i>	-5.66	
26 51 19 00-0238	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP).....	49.78	8.57
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100 To 250, Deduct</i>	-2.95	
			<i>For >250 To 500, Deduct</i>	-4.98	
			<i>For >500, Deduct</i>	-7.01	
26 51 19 00-0239	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	43.05	8.57
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100 To 250, Deduct</i>	-2.61	
			<i>For >250 To 500, Deduct</i>	-4.31	
			<i>For >500, Deduct</i>	-6.00	
26 51 19 00-0240			Recessed LED Downlight Fixture Housings (CREE®) <small>(26 51 19 00-0229)</small>		
			Note: Excludes lamp and trim.		
26 51 19 00-0241	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	108.96	36.73
			<i>For >50 To 100, Deduct</i>	-4.10	
			<i>For >100 To 250, Deduct</i>	-6.83	
			<i>For >250 To 500, Deduct</i>	-10.90	
			<i>For >500, Deduct</i>	-14.97	
26 51 19 00-0242	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	77.53	36.73
			<i>For >50 To 100, Deduct</i>	-3.32	
			<i>For >100 To 250, Deduct</i>	-5.25	
			<i>For >250 To 500, Deduct</i>	-7.75	
			<i>For >500, Deduct</i>	-10.25	
26 51 19 00-0243			Can Retrofit Or Surface Mount, LED Downlights <small>(26 51 19 00-0107)</small>		
26 51 19 00-0244	EA		6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	96.74	33.57
			<i>For >50 To 100, Deduct</i>	-3.68	
			<i>For >100 To 250, Deduct</i>	-6.10	
			<i>For >250 To 500, Deduct</i>	-9.67	
			<i>For >500, Deduct</i>	-13.25	
26 51 19 00-0245	EA		4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D).....	78.71	33.57
			<i>For >50 To 100, Deduct</i>	-3.23	
			<i>For >100 To 250, Deduct</i>	-5.19	
			<i>For >250 To 500, Deduct</i>	-7.87	
			<i>For >500, Deduct</i>	-10.55	
26 51 19 00-0246	EA		6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D).....	78.71	33.57
			<i>For >50 To 100, Deduct</i>	-3.23	
			<i>For >100 To 250, Deduct</i>	-5.19	
			<i>For >250 To 500, Deduct</i>	-7.87	
			<i>For >500, Deduct</i>	-10.55	
26 51 19 00-0247	EA		6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP).....	137.88	33.57
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	50.18	
			<i>For >50 To 100, Deduct</i>	-4.71	
			<i>For >100 To 250, Deduct</i>	-8.15	
			<i>For >250 To 500, Deduct</i>	-13.79	
			<i>For >500, Deduct</i>	-19.42	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0248	EA 4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	68.77 -2.98 -4.70 -6.88 -9.06	33.57
26 51 19 00-0249	EA 5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	76.17 -3.16 -5.07 -7.62 -10.17	33.57
26 51 19 00-0250	EA 6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	918.13 -24.21 -47.17 -91.81 -136.46	33.57
26 51 19 00-0251	Wall Mount LED Cylinder Downlight <small>(26 51 19 00-0001)</small>		
26 51 19 00-0252	EA 9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	371.96 -11.26 -20.56 -37.20 -53.84	52.14
26 51 19 00-0253	Wall Sconce And Wall Wash LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0254	LED Wall Sconce Fixtures (Hudson Valley Lighting) <small>(26 51 19 00-0253)</small>		
26 51 19 00-0255	EA 2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	526.77 -15.01 -28.18 -52.68 -77.18	48.98
26 51 19 00-0256	LED Wall Sconce Fixtures (Kichler) <small>(26 51 19 00-0253)</small>		
26 51 19 00-0257	EA 6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	292.96 -9.16 -16.48 -29.30 -42.11	48.98
26 51 19 00-0258	LED Wall Sconce Fixtures (Metalux) <small>(26 51 19 00-0253)</small>		
26 51 19 00-0259	EA 9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VN7S071009L30ENBN) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	160.50 -5.85 -9.86 -16.05 -22.24	48.98
26 51 19 00-0260	EA 5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	149.62 -5.58 -9.32 -14.96 -20.61	48.98
26 51 19 00-0261	Concealed Continuous LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0262	Concealed Continuous LED Fixtures (Fraqtir™ S301) <small>(26 51 19 00-0261)</small>		
26 51 19 00-0263	LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	718.07 -18.23 -36.18 -71.81 -107.43	5.59
26 51 19 00-0264	LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	818.72 -20.75 -41.22 -81.87 -122.53	5.59
26 51 19 00-0265	Low Bay LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0266	LED Linear Low Bay Fixtures (PlanLED) <small>(26 51 19 00-0265)</small>		
26 51 19 00-0267	EA 4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	366.68 -11.96 -21.13 -36.67 -52.21	67.13



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0268	EA	4'	Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A).....	498.32	67.13
			<i>For >50 To 100, Deduct</i>	-15.26	
			<i>For >100 To 250, Deduct</i>	-27.71	
			<i>For >250 To 500, Deduct</i>	-49.83	
			<i>For >500, Deduct</i>	-71.95	
26 51 19 00-0269	EA	8'	Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	829.94	83.92
			<i>For >50 To 100, Deduct</i>	-24.25	
			<i>For >100 To 250, Deduct</i>	-44.99	
			<i>For >250 To 500, Deduct</i>	-82.99	
			<i>For >500, Deduct</i>	-120.99	
26 51 19 00-0270			LED Low Bay Fixtures (CREE®) <small>(26 51 19 00-0265)</small>		
26 51 19 00-0271			LED Low Bay Fixtures (CREE® LS) <small>(26 51 19 00-0270)</small>		
			Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0272	EA	2,500 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	335.04	67.13
			<i>For >50 To 100, Deduct</i>	-11.17	
			<i>For >100 To 250, Deduct</i>	-19.55	
			<i>For >250 To 500, Deduct</i>	-33.50	
			<i>For >500, Deduct</i>	-47.46	
26 51 19 00-0273	EA	2,500 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	357.92	67.13
			<i>For >50 To 100, Deduct</i>	-11.75	
			<i>For >100 To 250, Deduct</i>	-20.69	
			<i>For >250 To 500, Deduct</i>	-35.79	
			<i>For >500, Deduct</i>	-50.89	
26 51 19 00-0274	EA	4,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	344.57	67.13
			<i>For >50 To 100, Deduct</i>	-11.41	
			<i>For >100 To 250, Deduct</i>	-20.03	
			<i>For >250 To 500, Deduct</i>	-34.46	
			<i>For >500, Deduct</i>	-48.89	
26 51 19 00-0275	EA	4,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	367.46	67.13
			<i>For >50 To 100, Deduct</i>	-11.98	
			<i>For >100 To 250, Deduct</i>	-21.17	
			<i>For >250 To 500, Deduct</i>	-36.75	
			<i>For >500, Deduct</i>	-52.32	
26 51 19 00-0276	EA	5,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	384.63	67.13
			<i>For >50 To 100, Deduct</i>	-12.41	
			<i>For >100 To 250, Deduct</i>	-22.03	
			<i>For >250 To 500, Deduct</i>	-38.46	
			<i>For >500, Deduct</i>	-54.90	
26 51 19 00-0277	EA	5,000 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	407.52	67.13
			<i>For >50 To 100, Deduct</i>	-12.99	
			<i>For >100 To 250, Deduct</i>	-23.17	
			<i>For >250 To 500, Deduct</i>	-40.75	
			<i>For >500, Deduct</i>	-58.33	
26 51 19 00-0278	EA	8,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	540.40	83.92
			<i>For >50 To 100, Deduct</i>	-17.01	
			<i>For >100 To 250, Deduct</i>	-30.52	
			<i>For >250 To 500, Deduct</i>	-54.04	
			<i>For >500, Deduct</i>	-77.56	
26 51 19 00-0279	EA	8,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	582.36	83.92
			<i>For >50 To 100, Deduct</i>	-18.06	
			<i>For >100 To 250, Deduct</i>	-32.61	
			<i>For >250 To 500, Deduct</i>	-58.24	
			<i>For >500, Deduct</i>	-83.86	
26 51 19 00-0280	EA	10,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	670.10	83.92
			<i>For >50 To 100, Deduct</i>	-20.25	
			<i>For >100 To 250, Deduct</i>	-37.00	
			<i>For >250 To 500, Deduct</i>	-67.01	
			<i>For >500, Deduct</i>	-97.02	
26 51 19 00-0281	EA	10,000 Lumens, 8'	Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	692.98	83.92
			<i>For >50 To 100, Deduct</i>	-20.82	
			<i>For >100 To 250, Deduct</i>	-38.15	
			<i>For >250 To 500, Deduct</i>	-69.30	
			<i>For >500, Deduct</i>	-100.45	
26 51 19 00-0282			LED Low Bay Fixtures (CREE® LN) <small>(26 51 19 00-0270)</small>		
			Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0283	EA	3,400 Lumens, 4'	Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	758.46	67.13
			<i>For >50 To 100, Deduct</i>	-21.76	
			<i>For >100 To 250, Deduct</i>	-40.72	
			<i>For >250 To 500, Deduct</i>	-75.85	
			<i>For >500, Deduct</i>	-110.97	
26 51 19 00-0284	EA	3,400 Lumens, 4'	Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	853.83	67.13
			<i>For >50 To 100, Deduct</i>	-24.14	
			<i>For >100 To 250, Deduct</i>	-45.49	
			<i>For >250 To 500, Deduct</i>	-85.38	
			<i>For >500, Deduct</i>	-125.28	
26 51 19 00-0285			LED Linear Low Bay Fixtures (CREE® CS) <small>(26 51 19 00-0270)</small>		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0286	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	733.48	67.13
		<i>For >50 To 100, Deduct</i>	-21.13	
		<i>For >100 To 250, Deduct</i>	-39.47	
		<i>For >250 To 500, Deduct</i>	-73.35	
		<i>For >500, Deduct</i>	-107.23	
26 51 19 00-0287	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	911.79	83.92
		<i>For >50 To 100, Deduct</i>	-26.29	
		<i>For >100 To 250, Deduct</i>	-49.09	
		<i>For >250 To 500, Deduct</i>	-91.18	
		<i>For >500, Deduct</i>	-133.27	
26 51 19 00-0288	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,160.87	83.92
		<i>For >50 To 100, Deduct</i>	-32.52	
		<i>For >100 To 250, Deduct</i>	-61.54	
		<i>For >250 To 500, Deduct</i>	-116.09	
		<i>For >500, Deduct</i>	-170.63	
26 51 19 00-0289		Accessories For LED Low Bay Fixtures (CREE®) <small>(26 51 19 00-0270)</small>		
26 51 19 00-0290	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	64.34	18.41
		<i>For >50 To 100, Deduct</i>	-2.38	
		<i>For >100 To 250, Deduct</i>	-3.98	
		<i>For >250 To 500, Deduct</i>	-6.43	
		<i>For >500, Deduct</i>	-8.88	
26 51 19 00-0291	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	71.08	18.41
		<i>For >50 To 100, Deduct</i>	-2.54	
		<i>For >100 To 250, Deduct</i>	-4.32	
		<i>For >250 To 500, Deduct</i>	-7.11	
		<i>For >500, Deduct</i>	-9.90	
26 51 19 00-0292	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	53.11	18.41
		<i>For >50 To 100, Deduct</i>	-2.09	
		<i>For >100 To 250, Deduct</i>	-3.42	
		<i>For >250 To 500, Deduct</i>	-5.31	
		<i>For >500, Deduct</i>	-7.20	
26 51 19 00-0293	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	41.90	18.41
		<i>For >50 To 100, Deduct</i>	-1.81	
		<i>For >100 To 250, Deduct</i>	-2.86	
		<i>For >250 To 500, Deduct</i>	-4.19	
		<i>For >500, Deduct</i>	-5.52	
26 51 19 00-0294	EA	Solid Reflector, Pair (Cree® LS4-SR)	142.87	18.41
		<i>For >50 To 100, Deduct</i>	-4.34	
		<i>For >100 To 250, Deduct</i>	-7.91	
		<i>For >250 To 500, Deduct</i>	-14.29	
		<i>For >500, Deduct</i>	-20.66	
26 51 19 00-0295	EA	Solid Reflector, Pair (Cree® LS8-SR)	198.98	18.41
		<i>For >50 To 100, Deduct</i>	-5.74	
		<i>For >100 To 250, Deduct</i>	-10.72	
		<i>For >250 To 500, Deduct</i>	-19.90	
		<i>For >500, Deduct</i>	-29.08	
26 51 19 00-0296	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	71.08	18.41
		<i>For >50 To 100, Deduct</i>	-2.54	
		<i>For >100 To 250, Deduct</i>	-4.32	
		<i>For >250 To 500, Deduct</i>	-7.11	
		<i>For >500, Deduct</i>	-9.90	
26 51 19 00-0297	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	102.49	18.41
		<i>For >50 To 100, Deduct</i>	-3.33	
		<i>For >100 To 250, Deduct</i>	-5.89	
		<i>For >250 To 500, Deduct</i>	-10.25	
		<i>For >500, Deduct</i>	-14.61	
26 51 19 00-0298	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	80.04	18.41
		<i>For >50 To 100, Deduct</i>	-2.77	
		<i>For >100 To 250, Deduct</i>	-4.77	
		<i>For >250 To 500, Deduct</i>	-8.00	
		<i>For >500, Deduct</i>	-11.24	
26 51 19 00-0299	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	109.22	18.41
		<i>For >50 To 100, Deduct</i>	-3.50	
		<i>For >100 To 250, Deduct</i>	-6.23	
		<i>For >250 To 500, Deduct</i>	-10.92	
		<i>For >500, Deduct</i>	-15.62	
26 51 19 00-0300	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	115.96	18.41
		<i>For >50 To 100, Deduct</i>	-3.67	
		<i>For >100 To 250, Deduct</i>	-6.57	
		<i>For >250 To 500, Deduct</i>	-11.60	
		<i>For >500, Deduct</i>	-16.63	
26 51 19 00-0301	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	97.99	18.41
		<i>For >50 To 100, Deduct</i>	-3.22	
		<i>For >100 To 250, Deduct</i>	-5.67	
		<i>For >250 To 500, Deduct</i>	-9.80	
		<i>For >500, Deduct</i>	-13.93	
26 51 19 00-0302	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	149.60	18.41
		<i>For >50 To 100, Deduct</i>	-4.51	
		<i>For >100 To 250, Deduct</i>	-8.25	
		<i>For >250 To 500, Deduct</i>	-14.96	
		<i>For >500, Deduct</i>	-21.67	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0303	EA		Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC).....	75.56	18.41
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100 To 250, Deduct</i>	-4.55	
			<i>For >250 To 500, Deduct</i>	-7.56	
			<i>For >500, Deduct</i>	-10.57	
26 51 19 00-0304	EA		Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC).....	93.51	18.41
			<i>For >50 To 100, Deduct</i>	-3.10	
			<i>For >100 To 250, Deduct</i>	-5.44	
			<i>For >250 To 500, Deduct</i>	-9.35	
			<i>For >500, Deduct</i>	-13.26	
26 51 19 00-0305	EA		Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC).....	71.08	18.41
			<i>For >50 To 100, Deduct</i>	-2.54	
			<i>For >100 To 250, Deduct</i>	-4.32	
			<i>For >250 To 500, Deduct</i>	-7.11	
			<i>For >500, Deduct</i>	-9.90	
26 51 19 00-0306	EA		Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W).....	1,469.57	44.76
			<i>For >50 To 100, Deduct</i>	-38.42	
			<i>For >100 To 250, Deduct</i>	-75.16	
			<i>For >250 To 500, Deduct</i>	-146.96	
			<i>For >500, Deduct</i>	-218.76	
26 51 19 00-0307	EA		120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120).....	515.90	44.76
			<i>For >50 To 100, Deduct</i>	-14.58	
			<i>For >100 To 250, Deduct</i>	-27.47	
			<i>For >250 To 500, Deduct</i>	-51.59	
			<i>For >500, Deduct</i>	-75.71	
26 51 19 00-0308			LED Linear Low Bay Fixtures (Lithonia MSL) <small>(26 51 19 00-0265)</small>		
			Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0309	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	976.61	67.13
			<i>For >50 To 100, Deduct</i>	-27.21	
			<i>For >100 To 250, Deduct</i>	-51.63	
			<i>For >250 To 500, Deduct</i>	-97.66	
			<i>For >500, Deduct</i>	-143.69	
26 51 19 00-0310			High Bay LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0311			LED High Bay Fixtures (Columbia Lighting LWS) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0312	EA		16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU).....	492.95	123.07
			<i>For >50 To 100, Deduct</i>	-18.48	
			<i>For >100 To 250, Deduct</i>	-30.80	
			<i>For >250 To 500, Deduct</i>	-49.30	
			<i>For >500, Deduct</i>	-67.79	
26 51 19 00-0313	EA		16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU).....	492.95	123.07
			<i>For >50 To 100, Deduct</i>	-18.48	
			<i>For >100 To 250, Deduct</i>	-30.80	
			<i>For >250 To 500, Deduct</i>	-49.30	
			<i>For >500, Deduct</i>	-67.79	
26 51 19 00-0314	EA		16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU).....	552.19	123.07
			<i>For >50 To 100, Deduct</i>	-19.96	
			<i>For >100 To 250, Deduct</i>	-33.76	
			<i>For >250 To 500, Deduct</i>	-55.22	
			<i>For >500, Deduct</i>	-76.67	
26 51 19 00-0315	EA		16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU).....	552.19	123.07
			<i>For >50 To 100, Deduct</i>	-19.96	
			<i>For >100 To 250, Deduct</i>	-33.76	
			<i>For >250 To 500, Deduct</i>	-55.22	
			<i>For >500, Deduct</i>	-76.67	
26 51 19 00-0316	EA		16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU).....	650.91	123.07
			<i>For >50 To 100, Deduct</i>	-22.43	
			<i>For >100 To 250, Deduct</i>	-38.70	
			<i>For >250 To 500, Deduct</i>	-65.09	
			<i>For >500, Deduct</i>	-91.48	
26 51 19 00-0317	EA		16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU).....	650.91	123.07
			<i>For >50 To 100, Deduct</i>	-22.43	
			<i>For >100 To 250, Deduct</i>	-38.70	
			<i>For >250 To 500, Deduct</i>	-65.09	
			<i>For >500, Deduct</i>	-91.48	
26 51 19 00-0318	EA		16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU).....	690.39	123.07
			<i>For >50 To 100, Deduct</i>	-23.41	
			<i>For >100 To 250, Deduct</i>	-40.67	
			<i>For >250 To 500, Deduct</i>	-69.04	
			<i>For >500, Deduct</i>	-97.40	
26 51 19 00-0319	EA		16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU).....	690.39	123.07
			<i>For >50 To 100, Deduct</i>	-23.41	
			<i>For >100 To 250, Deduct</i>	-40.67	
			<i>For >250 To 500, Deduct</i>	-69.04	
			<i>For >500, Deduct</i>	-97.40	
26 51 19 00-0320	EA		16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU).....	720.01	123.07
			<i>For >50 To 100, Deduct</i>	-24.15	
			<i>For >100 To 250, Deduct</i>	-42.15	
			<i>For >250 To 500, Deduct</i>	-72.00	
			<i>For >500, Deduct</i>	-101.85	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0321	EA		16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU).....	720.01	123.07
			<i>For >50 To 100, Deduct</i>	-24.15	
			<i>For >100 To 250, Deduct</i>	-42.15	
			<i>For >250 To 500, Deduct</i>	-72.00	
			<i>For >500, Deduct</i>	-101.85	
26 51 19 00-0322			LED High Bay Fixtures (Cree) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0323			LED High Bay Fixtures (CREE®) <small>(26 51 19 00-0322)</small>		
26 51 19 00-0324	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V).....	892.73	123.07
			<i>For >50 To 100, Deduct</i>	-28.47	
			<i>For >100 To 250, Deduct</i>	-50.79	
			<i>For >250 To 500, Deduct</i>	-89.27	
			<i>For >500, Deduct</i>	-127.76	
26 51 19 00-0325	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML).....	1,076.39	123.07
			<i>For >50 To 100, Deduct</i>	-33.06	
			<i>For >100 To 250, Deduct</i>	-59.97	
			<i>For >250 To 500, Deduct</i>	-107.64	
			<i>For >500, Deduct</i>	-155.30	
26 51 19 00-0326	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V).....	986.65	123.07
			<i>For >50 To 100, Deduct</i>	-30.82	
			<i>For >100 To 250, Deduct</i>	-55.49	
			<i>For >250 To 500, Deduct</i>	-98.67	
			<i>For >500, Deduct</i>	-141.84	
26 51 19 00-0327	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	1,132.50	123.07
			<i>For >50 To 100, Deduct</i>	-34.47	
			<i>For >100 To 250, Deduct</i>	-62.78	
			<i>For >250 To 500, Deduct</i>	-113.25	
			<i>For >500, Deduct</i>	-163.72	
26 51 19 00-0328	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V).....	925.16	123.07
			<i>For >50 To 100, Deduct</i>	-29.28	
			<i>For >100 To 250, Deduct</i>	-52.41	
			<i>For >250 To 500, Deduct</i>	-92.52	
			<i>For >500, Deduct</i>	-132.62	
26 51 19 00-0329	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	1,110.05	123.07
			<i>For >50 To 100, Deduct</i>	-33.91	
			<i>For >100 To 250, Deduct</i>	-61.66	
			<i>For >250 To 500, Deduct</i>	-111.01	
			<i>For >500, Deduct</i>	-160.35	
26 51 19 00-0330	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	1,020.30	123.07
			<i>For >50 To 100, Deduct</i>	-31.66	
			<i>For >100 To 250, Deduct</i>	-57.17	
			<i>For >250 To 500, Deduct</i>	-102.03	
			<i>For >500, Deduct</i>	-146.89	
26 51 19 00-0331	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML).....	1,166.15	123.07
			<i>For >50 To 100, Deduct</i>	-35.31	
			<i>For >100 To 250, Deduct</i>	-64.46	
			<i>For >250 To 500, Deduct</i>	-116.62	
			<i>For >500, Deduct</i>	-168.77	
26 51 19 00-0332			Accessories For LED High Bay Fixtures (CREE®) <small>(26 51 19 00-0322)</small>		
26 51 19 00-0333	EA		15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P).....	64.34	18.41
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100 To 250, Deduct</i>	-3.98	
			<i>For >250 To 500, Deduct</i>	-6.43	
			<i>For >500, Deduct</i>	-8.88	
26 51 19 00-0334	EA		15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	64.34	18.41
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100 To 250, Deduct</i>	-3.98	
			<i>For >250 To 500, Deduct</i>	-6.43	
			<i>For >500, Deduct</i>	-8.88	
26 51 19 00-0335	EA		16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N).....	86.77	18.41
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100 To 250, Deduct</i>	-5.11	
			<i>For >250 To 500, Deduct</i>	-8.68	
			<i>For >500, Deduct</i>	-12.25	
26 51 19 00-0336	EA		16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16).....	131.65	18.41
			<i>For >50 To 100, Deduct</i>	-4.06	
			<i>For >100 To 250, Deduct</i>	-7.35	
			<i>For >250 To 500, Deduct</i>	-13.17	
			<i>For >500, Deduct</i>	-18.98	
26 51 19 00-0337	EA		16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16).....	154.10	18.41
			<i>For >50 To 100, Deduct</i>	-4.62	
			<i>For >100 To 250, Deduct</i>	-8.47	
			<i>For >250 To 500, Deduct</i>	-15.41	
			<i>For >500, Deduct</i>	-22.35	
26 51 19 00-0338	EA		16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	86.77	18.41
			<i>For >50 To 100, Deduct</i>	-2.94	
			<i>For >100 To 250, Deduct</i>	-5.11	
			<i>For >250 To 500, Deduct</i>	-8.68	
			<i>For >500, Deduct</i>	-12.25	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0339	EA		16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16).....	89.03	18.41
			<i>For >50 To 100, Deduct</i>	-2.99	
			<i>For >100 To 250, Deduct</i>	-5.22	
			<i>For >250 To 500, Deduct</i>	-8.90	
			<i>For >500, Deduct</i>	-12.59	
26 51 19 00-0340	EA		16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	64.34	18.41
			<i>For >50 To 100, Deduct</i>	-2.38	
			<i>For >100 To 250, Deduct</i>	-3.98	
			<i>For >250 To 500, Deduct</i>	-6.43	
			<i>For >500, Deduct</i>	-8.88	
26 51 19 00-0341	EA		16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	68.83	18.41
			<i>For >50 To 100, Deduct</i>	-2.49	
			<i>For >100 To 250, Deduct</i>	-4.21	
			<i>For >250 To 500, Deduct</i>	-6.88	
			<i>For >500, Deduct</i>	-9.56	
26 51 19 00-0342	EA		5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	44.15	18.41
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100 To 250, Deduct</i>	-2.97	
			<i>For >250 To 500, Deduct</i>	-4.42	
			<i>For >500, Deduct</i>	-5.86	
26 51 19 00-0343	EA		10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	46.40	18.41
			<i>For >50 To 100, Deduct</i>	-1.93	
			<i>For >100 To 250, Deduct</i>	-3.09	
			<i>For >250 To 500, Deduct</i>	-4.64	
			<i>For >500, Deduct</i>	-6.19	
26 51 19 00-0344			LED High Bay Fixtures (DLE) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0345	EA		12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV).....	1,433.08	123.07
			<i>For >50 To 100, Deduct</i>	-41.98	
			<i>For >100 To 250, Deduct</i>	-77.81	
			<i>For >250 To 500, Deduct</i>	-143.31	
			<i>For >500, Deduct</i>	-208.81	
26 51 19 00-0346	EA		18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV).....	1,760.07	123.07
			<i>For >50 To 100, Deduct</i>	-50.16	
			<i>For >100 To 250, Deduct</i>	-94.16	
			<i>For >250 To 500, Deduct</i>	-176.01	
			<i>For >500, Deduct</i>	-257.86	
26 51 19 00-0347	EA		24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV).....	2,063.70	123.07
			<i>For >50 To 100, Deduct</i>	-57.75	
			<i>For >100 To 250, Deduct</i>	-109.34	
			<i>For >250 To 500, Deduct</i>	-206.37	
			<i>For >500, Deduct</i>	-303.40	
26 51 19 00-0348			LED High Bay Fixtures (Everlast) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0349			LED High Bay Fixtures (Everlast EL-LED-LG) <small>(26 51 19 00-0348)</small>		
26 51 19 00-0350	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	968.08	123.07
			<i>For >50 To 100, Deduct</i>	-30.36	
			<i>For >100 To 250, Deduct</i>	-54.56	
			<i>For >250 To 500, Deduct</i>	-96.81	
			<i>For >500, Deduct</i>	-139.06	
26 51 19 00-0351	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,023.28	123.07
			<i>For >50 To 100, Deduct</i>	-31.74	
			<i>For >100 To 250, Deduct</i>	-57.32	
			<i>For >250 To 500, Deduct</i>	-102.33	
			<i>For >500, Deduct</i>	-147.34	
26 51 19 00-0352	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	912.87	123.07
			<i>For >50 To 100, Deduct</i>	-28.98	
			<i>For >100 To 250, Deduct</i>	-51.80	
			<i>For >250 To 500, Deduct</i>	-91.29	
			<i>For >500, Deduct</i>	-130.78	
26 51 19 00-0353	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	936.23	123.07
			<i>For >50 To 100, Deduct</i>	-29.56	
			<i>For >100 To 250, Deduct</i>	-52.97	
			<i>For >250 To 500, Deduct</i>	-93.62	
			<i>For >500, Deduct</i>	-134.28	
26 51 19 00-0354	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	1,063.62	123.07
			<i>For >50 To 100, Deduct</i>	-32.74	
			<i>For >100 To 250, Deduct</i>	-59.33	
			<i>For >250 To 500, Deduct</i>	-106.36	
			<i>For >500, Deduct</i>	-153.39	
26 51 19 00-0355	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,159.17	123.07
			<i>For >50 To 100, Deduct</i>	-35.13	
			<i>For >100 To 250, Deduct</i>	-64.11	
			<i>For >250 To 500, Deduct</i>	-115.92	
			<i>For >500, Deduct</i>	-167.72	
26 51 19 00-0356	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,012.66	123.07
			<i>For >50 To 100, Deduct</i>	-31.47	
			<i>For >100 To 250, Deduct</i>	-56.79	
			<i>For >250 To 500, Deduct</i>	-101.27	
			<i>For >500, Deduct</i>	-145.75	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0357	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,095.47	123.07
			<i>For >50 To 100, Deduct</i>	-33.54	
			<i>For >100 To 250, Deduct</i>	-60.93	
			<i>For >250 To 500, Deduct</i>	-109.55	
			<i>For >500, Deduct</i>	-158.17	
26 51 19 00-0358	EA		34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,594.45	123.07
			<i>For >50 To 100, Deduct</i>	-46.02	
			<i>For >100 To 250, Deduct</i>	-85.88	
			<i>For >250 To 500, Deduct</i>	-159.45	
			<i>For >500, Deduct</i>	-233.01	
26 51 19 00-0359	EA		43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,743.08	123.07
			<i>For >50 To 100, Deduct</i>	-49.73	
			<i>For >100 To 250, Deduct</i>	-93.31	
			<i>For >250 To 500, Deduct</i>	-174.31	
			<i>For >500, Deduct</i>	-255.31	
26 51 19 00-0360	EA		66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,167.75	123.07
			<i>For >50 To 100, Deduct</i>	-60.35	
			<i>For >100 To 250, Deduct</i>	-114.54	
			<i>For >250 To 500, Deduct</i>	-216.78	
			<i>For >500, Deduct</i>	-319.01	
26 51 19 00-0361			LED High Bay Fixtures (Everlast EL-LED-CS) <small>(26 51 19 00-0348)</small>		
26 51 19 00-0362	EA		5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	607.11	123.07
			<i>For >50 To 100, Deduct</i>	-21.33	
			<i>For >100 To 250, Deduct</i>	-36.51	
			<i>For >250 To 500, Deduct</i>	-60.71	
			<i>For >500, Deduct</i>	-84.91	
26 51 19 00-0363	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	893.76	123.07
			<i>For >50 To 100, Deduct</i>	-28.50	
			<i>For >100 To 250, Deduct</i>	-50.84	
			<i>For >250 To 500, Deduct</i>	-89.38	
			<i>For >500, Deduct</i>	-127.91	
26 51 19 00-0364	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,021.16	123.07
			<i>For >50 To 100, Deduct</i>	-31.68	
			<i>For >100 To 250, Deduct</i>	-57.21	
			<i>For >250 To 500, Deduct</i>	-102.12	
			<i>For >500, Deduct</i>	-147.02	
26 51 19 00-0365	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,169.79	123.07
			<i>For >50 To 100, Deduct</i>	-35.40	
			<i>For >100 To 250, Deduct</i>	-64.64	
			<i>For >250 To 500, Deduct</i>	-116.98	
			<i>For >500, Deduct</i>	-169.31	
26 51 19 00-0366	EA		30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,265.34	123.07
			<i>For >50 To 100, Deduct</i>	-37.79	
			<i>For >100 To 250, Deduct</i>	-69.42	
			<i>For >250 To 500, Deduct</i>	-126.53	
			<i>For >500, Deduct</i>	-183.65	
26 51 19 00-0367			LED High Bay Fixtures (Everlast EL-LED-HB-LG) <small>(26 51 19 00-0348)</small>		
26 51 19 00-0368	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	798.21	123.07
			<i>For >50 To 100, Deduct</i>	-26.11	
			<i>For >100 To 250, Deduct</i>	-46.06	
			<i>For >250 To 500, Deduct</i>	-79.82	
			<i>For >500, Deduct</i>	-113.58	
26 51 19 00-0369	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	851.29	123.07
			<i>For >50 To 100, Deduct</i>	-27.44	
			<i>For >100 To 250, Deduct</i>	-48.72	
			<i>For >250 To 500, Deduct</i>	-85.13	
			<i>For >500, Deduct</i>	-121.54	
26 51 19 00-0370	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	925.61	123.07
			<i>For >50 To 100, Deduct</i>	-29.29	
			<i>For >100 To 250, Deduct</i>	-52.43	
			<i>For >250 To 500, Deduct</i>	-92.56	
			<i>For >500, Deduct</i>	-132.69	
26 51 19 00-0371			LED High Bay Fixtures (Everlast EL-LED-LHB) <small>(26 51 19 00-0348)</small>		
26 51 19 00-0372	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	810.95	123.07
			<i>For >50 To 100, Deduct</i>	-26.43	
			<i>For >100 To 250, Deduct</i>	-46.70	
			<i>For >250 To 500, Deduct</i>	-81.10	
			<i>For >500, Deduct</i>	-115.49	
26 51 19 00-0373	EA		26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	999.93	123.07
			<i>For >50 To 100, Deduct</i>	-31.15	
			<i>For >100 To 250, Deduct</i>	-56.15	
			<i>For >250 To 500, Deduct</i>	-99.99	
			<i>For >500, Deduct</i>	-143.84	
26 51 19 00-0374	EA		39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,244.11	123.07
			<i>For >50 To 100, Deduct</i>	-37.26	
			<i>For >100 To 250, Deduct</i>	-68.36	
			<i>For >250 To 500, Deduct</i>	-124.41	
			<i>For >500, Deduct</i>	-180.46	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0375 LED High Bay Fixtures (Lithonia IBG) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0376 EA 8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	417.59	120.84
For >50 To 100, Deduct	-15.04	
For >100 To 250, Deduct	-25.48	
For >250 To 500, Deduct	-41.76	
For >500, Deduct	-58.04	
26 51 19 00-0377 EA 12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	433.24	120.84
For >50 To 100, Deduct	-15.43	
For >100 To 250, Deduct	-26.26	
For >250 To 500, Deduct	-43.32	
For >500, Deduct	-60.39	
26 51 19 00-0378 EA 15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	468.46	120.84
For >50 To 100, Deduct	-16.31	
For >100 To 250, Deduct	-28.02	
For >250 To 500, Deduct	-46.85	
For >500, Deduct	-65.67	
26 51 19 00-0379 EA 18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	524.05	120.84
For >50 To 100, Deduct	-17.70	
For >100 To 250, Deduct	-30.80	
For >250 To 500, Deduct	-52.41	
For >500, Deduct	-74.01	
26 51 19 00-0380 EA 24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	569.32	120.84
For >50 To 100, Deduct	-18.83	
For >100 To 250, Deduct	-33.06	
For >250 To 500, Deduct	-56.93	
For >500, Deduct	-80.80	
26 51 19 00-0381 EA 30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	675.73	120.84
For >50 To 100, Deduct	-21.49	
For >100 To 250, Deduct	-38.38	
For >250 To 500, Deduct	-67.57	
For >500, Deduct	-96.76	
26 51 19 00-0382 EA 36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	811.58	120.84
For >50 To 100, Deduct	-24.89	
For >100 To 250, Deduct	-45.17	
For >250 To 500, Deduct	-81.16	
For >500, Deduct	-117.14	
26 51 19 00-0383 EA 48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,166.75	123.07
For >50 To 100, Deduct	-35.32	
For >100 To 250, Deduct	-64.49	
For >250 To 500, Deduct	-116.68	
For >500, Deduct	-168.86	
26 51 19 00-0384 LED High Bay Fixtures (Lithonia IBL) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0385 EA 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	624.74	123.07
For >50 To 100, Deduct	-21.77	
For >100 To 250, Deduct	-37.39	
For >250 To 500, Deduct	-62.47	
For >500, Deduct	-87.56	
26 51 19 00-0386 EA 12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	674.10	123.07
For >50 To 100, Deduct	-23.01	
For >100 To 250, Deduct	-39.86	
For >250 To 500, Deduct	-67.41	
For >500, Deduct	-94.96	
26 51 19 00-0387 EA 18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	807.37	123.07
For >50 To 100, Deduct	-26.34	
For >100 To 250, Deduct	-46.52	
For >250 To 500, Deduct	-80.74	
For >500, Deduct	-114.95	
26 51 19 00-0388 EA 24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	860.68	123.07
For >50 To 100, Deduct	-27.67	
For >100 To 250, Deduct	-49.19	
For >250 To 500, Deduct	-86.07	
For >500, Deduct	-122.95	
26 51 19 00-0389 LED High Bay Fixtures (Metalux SSLED) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0390 EA 12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	741.16	123.07
For >50 To 100, Deduct	-24.68	
For >100 To 250, Deduct	-43.21	
For >250 To 500, Deduct	-74.12	
For >500, Deduct	-105.02	
26 51 19 00-0391 EA 15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	760.61	123.07
For >50 To 100, Deduct	-25.17	
For >100 To 250, Deduct	-44.18	
For >250 To 500, Deduct	-76.06	
For >500, Deduct	-107.94	
26 51 19 00-0392 EA 18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	768.44	123.07
For >50 To 100, Deduct	-25.36	
For >100 To 250, Deduct	-44.58	
For >250 To 500, Deduct	-76.84	
For >500, Deduct	-109.11	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0393	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U).....	843.01	123.07
		<i>For >50 To 100, Deduct</i>	-27.23	
		<i>For >100 To 250, Deduct</i>	-48.30	
		<i>For >250 To 500, Deduct</i>	-84.30	
		<i>For >500, Deduct</i>	-120.30	
26 51 19 00-0394	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U).....	929.86	123.07
		<i>For >50 To 100, Deduct</i>	-29.40	
		<i>For >100 To 250, Deduct</i>	-52.65	
		<i>For >250 To 500, Deduct</i>	-92.99	
		<i>For >500, Deduct</i>	-133.33	
26 51 19 00-0395	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U).....	962.45	123.07
		<i>For >50 To 100, Deduct</i>	-30.22	
		<i>For >100 To 250, Deduct</i>	-54.28	
		<i>For >250 To 500, Deduct</i>	-96.25	
		<i>For >500, Deduct</i>	-138.21	
26 51 19 00-0396		LED High Bay Fixtures (PlanLED) <small>(26 51 19 00-0310)</small>		
26 51 19 00-0397		LED High Bay Fixtures (PlanLED LUNA) <small>(26 51 19 00-0396)</small> Note: Includes aluminum alloy chassis.		
26 51 19 00-0398	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70).....	942.60	123.07
		<i>For >50 To 100, Deduct</i>	-29.72	
		<i>For >100 To 250, Deduct</i>	-53.28	
		<i>For >250 To 500, Deduct</i>	-94.26	
		<i>For >500, Deduct</i>	-135.24	
26 51 19 00-0399	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98).....	1,061.50	123.07
		<i>For >50 To 100, Deduct</i>	-32.69	
		<i>For >100 To 250, Deduct</i>	-59.23	
		<i>For >250 To 500, Deduct</i>	-106.15	
		<i>For >500, Deduct</i>	-153.07	
26 51 19 00-0400	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130).....	1,233.49	123.07
		<i>For >50 To 100, Deduct</i>	-36.99	
		<i>For >100 To 250, Deduct</i>	-67.83	
		<i>For >250 To 500, Deduct</i>	-123.35	
		<i>For >500, Deduct</i>	-178.87	
26 51 19 00-0401	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160).....	1,401.23	123.07
		<i>For >50 To 100, Deduct</i>	-41.18	
		<i>For >100 To 250, Deduct</i>	-76.22	
		<i>For >250 To 500, Deduct</i>	-140.12	
		<i>For >500, Deduct</i>	-204.03	
26 51 19 00-0402		LED High Bay Fixtures (PlanLED IBL) <small>(26 51 19 00-0396)</small> Note: Includes aluminum alloy chassis.		
26 51 19 00-0403	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	1,027.53	123.07
		<i>For 480 Volt, Add</i>	59.54	
		<i>For >50 To 100, Deduct</i>	-31.84	
		<i>For >100 To 250, Deduct</i>	-57.53	
		<i>For >250 To 500, Deduct</i>	-102.75	
		<i>For >500, Deduct</i>	-147.98	
26 51 19 00-0404	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	1,441.57	123.07
		<i>For 480 Volt, Add</i>	75.44	
		<i>For >50 To 100, Deduct</i>	-42.19	
		<i>For >100 To 250, Deduct</i>	-78.23	
		<i>For >250 To 500, Deduct</i>	-144.16	
		<i>For >500, Deduct</i>	-210.08	
26 51 19 00-0405	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	2,581.79	123.07
		<i>For 480 Volt, Add</i>	119.67	
		<i>For >50 To 100, Deduct</i>	-70.70	
		<i>For >100 To 250, Deduct</i>	-135.24	
		<i>For >250 To 500, Deduct</i>	-258.18	
		<i>For >500, Deduct</i>	-381.11	
26 51 19 00-0406		LED High Bay Fixtures (PlanLED SEGA) <small>(26 51 19 00-0396)</small> Note: Includes aluminum alloy chassis.		
26 51 19 00-0407	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080).....	804.58	123.07
		<i>For 0 To 10 Volt Dimming, Add</i>	91.72	
		<i>For >50 To 100, Deduct</i>	-26.27	
		<i>For >100 To 250, Deduct</i>	-46.38	
		<i>For >250 To 500, Deduct</i>	-80.46	
		<i>For >500, Deduct</i>	-114.53	
26 51 19 00-0408	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100).....	861.91	123.07
		<i>For 0 To 10 Volt Dimming, Add</i>	91.72	
		<i>For >50 To 100, Deduct</i>	-27.70	
		<i>For >100 To 250, Deduct</i>	-49.25	
		<i>For >250 To 500, Deduct</i>	-86.19	
		<i>For >500, Deduct</i>	-123.13	
26 51 19 00-0409	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130).....	1,059.38	123.07
		<i>For 0 To 10 Volt Dimming, Add</i>	91.72	
		<i>For >50 To 100, Deduct</i>	-32.64	
		<i>For >100 To 250, Deduct</i>	-59.12	
		<i>For >250 To 500, Deduct</i>	-105.94	
		<i>For >500, Deduct</i>	-152.75	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0410 EA 20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,201.64	123.07
For 0 To 10 Volt Dimming, Add	91.72	
For >50 To 100, Deduct	-36.19	
For >100 To 250, Deduct	-66.24	
For >250 To 500, Deduct	-120.16	
For >500, Deduct	-174.09	
26 51 19 00-0411 EA 50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	2,250.55	123.07
For >50 To 100, Deduct	-62.42	
For >100 To 250, Deduct	-118.68	
For >250 To 500, Deduct	-225.06	
For >500, Deduct	-331.43	
26 51 19 00-0412 EA 57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	2,437.41	123.07
For >50 To 100, Deduct	-67.09	
For >100 To 250, Deduct	-128.02	
For >250 To 500, Deduct	-243.74	
For >500, Deduct	-359.46	
26 51 19 00-0413 EA 80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	3,723.62	123.07
For >50 To 100, Deduct	-99.24	
For >100 To 250, Deduct	-192.33	
For >250 To 500, Deduct	-372.36	
For >500, Deduct	-552.39	
 26 51 19 00-0414 Wet/Hazardous Location, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0415 Wet Location, LED Fixtures (26 51 19 00-0414)		
26 51 19 00-0416 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 19 00-0415)		
Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0417 EA 3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	2,286.36	93.98
For Ceiling Mount, Add	19.83	
For Quick Clip Mounting Option, Add	29.15	
For Frosted Lens, Add	62.70	
For Warm White Color Rendering, Add	80.71	
For Stanchion Mount, Add	135.26	
For Wall Mount, Add	149.73	
For Polycarbonate Lens, Add	116.20	
For Teflon Coated Lens, Add	133.07	
For 480 Volt, Add	190.09	
For >50 To 100, Deduct	-61.08	
For >100 To 250, Deduct	-118.23	
For >250 To 500, Deduct	-228.64	
For >500, Deduct	-339.04	
26 51 19 00-0418 EA 5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	2,331.05	100.70
For Ceiling Mount, Add	19.83	
For Quick Clip Mounting Option, Add	29.15	
For Frosted Lens, Add	62.70	
For Warm White Color Rendering, Add	80.71	
For Stanchion Mount, Add	135.26	
For Wall Mount, Add	149.73	
For Polycarbonate Lens, Add	116.20	
For Teflon Coated Lens, Add	133.07	
For 480 Volt, Add	190.09	
For >50 To 100, Deduct	-62.47	
For >100 To 250, Deduct	-120.75	
For >250 To 500, Deduct	-233.11	
For >500, Deduct	-345.46	
26 51 19 00-0419 EA 7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	2,630.73	107.41
For Ceiling Mount, Add	19.83	
For Quick Clip Mounting Option, Add	29.15	
For Frosted Lens, Add	62.70	
For Warm White Color Rendering, Add	80.71	
For Stanchion Mount, Add	135.26	
For Wall Mount, Add	149.73	
For Polycarbonate Lens, Add	116.20	
For Teflon Coated Lens, Add	133.07	
For 480 Volt, Add	190.09	
For >50 To 100, Deduct	-70.24	
For >100 To 250, Deduct	-136.01	
For >250 To 500, Deduct	-263.07	
For >500, Deduct	-390.13	

26 Electrical
26 50 Lighting
26 51 Interior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0420	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	3,164.41		114.12
		<i>For Ceiling Mount, Add</i>	19.83		
		<i>For Quick Clip Mounting Option, Add</i>	29.15		
		<i>For Frosted Lens, Add</i>	62.70		
		<i>For Warm White Color Rendering, Add</i>	80.71		
		<i>For Stanchion Mount, Add</i>	135.26		
		<i>For Wall Mount, Add</i>	149.73		
		<i>For Polycarbonate Lens, Add</i>	116.20		
		<i>For Teflon Coated Lens, Add</i>	133.07		
		<i>For 480 Volt, Add</i>	190.09		
		<i>For >50 To 100, Deduct</i>	-83.87		
		<i>For >100 To 250, Deduct</i>	-162.98		
		<i>For >250 To 500, Deduct</i>	-316.44		
		<i>For >500, Deduct</i>	-469.91		
26 51 19 00-0421	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	4,032.35		120.84
		<i>For Ceiling Mount, Add</i>	19.83		
		<i>For Quick Clip Mounting Option, Add</i>	29.15		
		<i>For Frosted Lens, Add</i>	62.70		
		<i>For Warm White Color Rendering, Add</i>	80.71		
		<i>For Stanchion Mount, Add</i>	135.26		
		<i>For Wall Mount, Add</i>	149.73		
		<i>For Polycarbonate Lens, Add</i>	116.20		
		<i>For Teflon Coated Lens, Add</i>	133.07		
		<i>For 480 Volt, Add</i>	190.09		
		<i>For >50 To 100, Deduct</i>	-105.84		
		<i>For >100 To 250, Deduct</i>	-206.65		
		<i>For >250 To 500, Deduct</i>	-403.24		
		<i>For >500, Deduct</i>	-599.82		
26 51 19 00-0422	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	5,301.35		124.20
		<i>For Ceiling Mount, Add</i>	19.83		
		<i>For Quick Clip Mounting Option, Add</i>	29.15		
		<i>For Frosted Lens, Add</i>	62.70		
		<i>For Warm White Color Rendering, Add</i>	80.71		
		<i>For Stanchion Mount, Add</i>	135.26		
		<i>For Wall Mount, Add</i>	149.73		
		<i>For Polycarbonate Lens, Add</i>	116.20		
		<i>For Teflon Coated Lens, Add</i>	133.07		
		<i>For 480 Volt, Add</i>	190.09		
		<i>For >50 To 100, Deduct</i>	-137.71		
		<i>For >100 To 250, Deduct</i>	-270.24		
		<i>For >250 To 500, Deduct</i>	-530.14		
		<i>For >500, Deduct</i>	-790.03		
26 51 19 00-0423	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	6,137.77		127.55
		<i>For Ceiling Mount, Add</i>	19.83		
		<i>For Quick Clip Mounting Option, Add</i>	29.15		
		<i>For Frosted Lens, Add</i>	62.70		
		<i>For Warm White Color Rendering, Add</i>	80.71		
		<i>For Stanchion Mount, Add</i>	135.26		
		<i>For Wall Mount, Add</i>	149.73		
		<i>For Polycarbonate Lens, Add</i>	116.20		
		<i>For Teflon Coated Lens, Add</i>	133.07		
		<i>For 480 Volt, Add</i>	190.09		
		<i>For >50 To 100, Deduct</i>	-158.76		
		<i>For >100 To 250, Deduct</i>	-312.20		
		<i>For >250 To 500, Deduct</i>	-613.78		
		<i>For >500, Deduct</i>	-915.35		
26 51 19 00-0424		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) ^(26 51 19 00-0415) Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.			
26 51 19 00-0425	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,062.42		100.70
		<i>For Bolt-On Visor, Add</i>	107.94		
		<i>For Bolt-On Wire Guard, Add</i>	222.02		
		<i>For 480 Volt, Add</i>	190.09		
		<i>For Warm White Color Rendering, Add</i>	80.71		
		<i>For >50 To 100, Deduct</i>	-55.76		
		<i>For >100 To 250, Deduct</i>	-107.32		
		<i>For >250 To 500, Deduct</i>	-206.24		
		<i>For >500, Deduct</i>	-305.17		
26 51 19 00-0426	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	3,037.77		107.41
		<i>For Bolt-On Visor, Add</i>	107.94		
		<i>For Bolt-On Wire Guard, Add</i>	222.02		
		<i>For 480 Volt, Add</i>	190.09		
		<i>For Warm White Color Rendering, Add</i>	80.71		
		<i>For >50 To 100, Deduct</i>	-80.42		
		<i>For >100 To 250, Deduct</i>	-156.36		
		<i>For >250 To 500, Deduct</i>	-303.78		
		<i>For >500, Deduct</i>	-451.19		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0427 EA 9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	3,348.62	114.12
For Bolt-On Visor, Add	107.94	
For Bolt-On Wire Guard, Add	222.02	
For 480 Volt, Add	190.09	
For Warm White Color Rendering, Add	80.71	
For >50 To 100, Deduct	-88.47	
For >100 To 250, Deduct	-172.19	
For >250 To 500, Deduct	-334.86	
For >500, Deduct	-497.54	
26 51 19 00-0428 EA 11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	3,843.10	120.84
For Bolt-On Visor, Add	107.94	
For Bolt-On Wire Guard, Add	222.02	
For 480 Volt, Add	190.09	
For Warm White Color Rendering, Add	80.71	
For >50 To 100, Deduct	-101.11	
For >100 To 250, Deduct	-197.19	
For >250 To 500, Deduct	-384.31	
For >500, Deduct	-571.43	
26 51 19 00-0429 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 19 00-0415)</small>		
Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0430 EA 1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,433.89	93.98
For 12/24 Volt DC Driver, Add	30.68	
For Frosted Lens, Add	62.70	
For 55 Degree Ambient Suitability (AC Only), Add	41.77	
For Warm White Color Rendering, Add	80.71	
For Ceiling Mount, Add	95.31	
For Wall Mount, Add	138.23	
For Teflon Coated Lens, Add	133.07	
For Wall Mount With Junction Box, Add	200.80	
For >50 To 100, Deduct	-39.76	
For >100 To 250, Deduct	-75.61	
For >250 To 500, Deduct	-143.39	
For >500, Deduct	-211.17	
26 51 19 00-0431 Vaportight, LED Fixtures <small>(26 51 19 00-0414)</small>		
26 51 19 00-0432 General Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0431)</small>		
26 51 19 00-0433 EA 2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U).....	333.11	53.70
For >50 To 100, Deduct	-10.57	
For >100 To 250, Deduct	-18.89	
For >250 To 500, Deduct	-33.31	
For >500, Deduct	-47.73	
26 51 19 00-0434 EA 2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U).....	347.69	53.70
For >50 To 100, Deduct	-10.93	
For >100 To 250, Deduct	-19.62	
For >250 To 500, Deduct	-34.77	
For >500, Deduct	-49.92	
26 51 19 00-0435 EA 2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U).....	376.88	53.70
For >50 To 100, Deduct	-11.66	
For >100 To 250, Deduct	-21.08	
For >250 To 500, Deduct	-37.69	
For >500, Deduct	-54.29	
26 51 19 00-0436 EA 4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U).....	335.39	67.13
For >50 To 100, Deduct	-11.18	
For >100 To 250, Deduct	-19.57	
For >250 To 500, Deduct	-33.54	
For >500, Deduct	-47.51	
26 51 19 00-0437 EA 4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U).....	377.24	67.13
For >50 To 100, Deduct	-12.23	
For >100 To 250, Deduct	-21.66	
For >250 To 500, Deduct	-37.72	
For >500, Deduct	-53.79	
26 51 19 00-0438 EA 4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U).....	530.56	67.13
For >50 To 100, Deduct	-16.06	
For >100 To 250, Deduct	-29.33	
For >250 To 500, Deduct	-53.06	
For >500, Deduct	-76.79	
26 51 19 00-0439 Wide Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0431)</small>		

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0440	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	362.28	53.70
		<i>For >50 To 100, Deduct</i>	-11.29	
		<i>For >100 To 250, Deduct</i>	-20.35	
		<i>For >250 To 500, Deduct</i>	-36.23	
		<i>For >500, Deduct</i>	-52.10	
26 51 19 00-0441	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	376.88	53.70
		<i>For >50 To 100, Deduct</i>	-11.66	
		<i>For >100 To 250, Deduct</i>	-21.08	
		<i>For >250 To 500, Deduct</i>	-37.69	
		<i>For >500, Deduct</i>	-54.29	
26 51 19 00-0442	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	406.06	53.70
		<i>For >50 To 100, Deduct</i>	-12.39	
		<i>For >100 To 250, Deduct</i>	-22.54	
		<i>For >250 To 500, Deduct</i>	-40.61	
		<i>For >500, Deduct</i>	-58.67	
26 51 19 00-0443	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	472.20	67.13
		<i>For >50 To 100, Deduct</i>	-14.60	
		<i>For >100 To 250, Deduct</i>	-26.41	
		<i>For >250 To 500, Deduct</i>	-47.22	
		<i>For >500, Deduct</i>	-68.03	
26 51 19 00-0444	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	530.56	67.13
		<i>For >50 To 100, Deduct</i>	-16.06	
		<i>For >100 To 250, Deduct</i>	-29.33	
		<i>For >250 To 500, Deduct</i>	-53.06	
		<i>For >500, Deduct</i>	-76.79	
26 51 19 00-0445	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	588.93	67.13
		<i>For >50 To 100, Deduct</i>	-17.52	
		<i>For >100 To 250, Deduct</i>	-32.24	
		<i>For >250 To 500, Deduct</i>	-58.89	
		<i>For >500, Deduct</i>	-85.54	
26 51 19 00-0446		Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) <small>(26 51 19 00-0431)</small>		
26 51 19 00-0447	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	362.28	53.70
		<i>For >50 To 100, Deduct</i>	-11.29	
		<i>For >100 To 250, Deduct</i>	-20.35	
		<i>For >250 To 500, Deduct</i>	-36.23	
		<i>For >500, Deduct</i>	-52.10	
26 51 19 00-0448	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	377.99	53.70
		<i>For >50 To 100, Deduct</i>	-11.69	
		<i>For >100 To 250, Deduct</i>	-21.14	
		<i>For >250 To 500, Deduct</i>	-37.80	
		<i>For >500, Deduct</i>	-54.46	
26 51 19 00-0449	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	406.06	53.70
		<i>For >50 To 100, Deduct</i>	-12.39	
		<i>For >100 To 250, Deduct</i>	-22.54	
		<i>For >250 To 500, Deduct</i>	-40.61	
		<i>For >500, Deduct</i>	-58.67	
26 51 19 00-0450	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	472.20	67.13
		<i>For >50 To 100, Deduct</i>	-14.60	
		<i>For >100 To 250, Deduct</i>	-26.41	
		<i>For >250 To 500, Deduct</i>	-47.22	
		<i>For >500, Deduct</i>	-68.03	
26 51 19 00-0451	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	530.56	67.13
		<i>For >50 To 100, Deduct</i>	-16.06	
		<i>For >100 To 250, Deduct</i>	-29.33	
		<i>For >250 To 500, Deduct</i>	-53.06	
		<i>For >500, Deduct</i>	-76.79	
26 51 19 00-0452	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	588.93	67.13
		<i>For >50 To 100, Deduct</i>	-17.52	
		<i>For >100 To 250, Deduct</i>	-32.24	
		<i>For >250 To 500, Deduct</i>	-58.89	
		<i>For >500, Deduct</i>	-85.54	
26 51 19 00-0453		Ceiling Mounted LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0454		Ceiling Mounted, LED Drum Fixtures (Enertron) <small>(26 51 19 00-0453)</small>		
26 51 19 00-0455	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	115.88	44.76
		<i>For >50 To 100, Deduct</i>	-4.58	
		<i>For >100 To 250, Deduct</i>	-7.47	
		<i>For >250 To 500, Deduct</i>	-11.59	
		<i>For >500, Deduct</i>	-15.70	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0456 EA 11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	120.72	44.76
For >50 To 100, Deduct	-4.70	
For >100 To 250, Deduct	-7.71	
For >250 To 500, Deduct	-12.07	
For >500, Deduct	-16.43	
26 51 19 00-0457 EA 11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	125.56	44.76
For >50 To 100, Deduct	-4.82	
For >100 To 250, Deduct	-7.96	
For >250 To 500, Deduct	-12.56	
For >500, Deduct	-17.16	
26 51 19 00-0458 EA 11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	130.39	44.76
For >50 To 100, Deduct	-4.94	
For >100 To 250, Deduct	-8.20	
For >250 To 500, Deduct	-13.04	
For >500, Deduct	-17.88	
26 51 19 00-0459 EA 14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	127.61	49.23
For >50 To 100, Deduct	-5.04	
For >100 To 250, Deduct	-8.23	
For >250 To 500, Deduct	-12.76	
For >500, Deduct	-17.30	
26 51 19 00-0460 EA 14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	132.45	49.23
For >50 To 100, Deduct	-5.16	
For >100 To 250, Deduct	-8.47	
For >250 To 500, Deduct	-13.25	
For >500, Deduct	-18.02	
26 51 19 00-0461 EA 14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	137.29	49.23
For >50 To 100, Deduct	-5.28	
For >100 To 250, Deduct	-8.71	
For >250 To 500, Deduct	-13.73	
For >500, Deduct	-18.75	
26 51 19 00-0462 EA 14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	142.13	49.23
For >50 To 100, Deduct	-5.40	
For >100 To 250, Deduct	-8.95	
For >250 To 500, Deduct	-14.21	
For >500, Deduct	-19.47	
26 51 19 00-0463 EA 14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	151.81	49.23
For >50 To 100, Deduct	-5.64	
For >100 To 250, Deduct	-9.44	
For >250 To 500, Deduct	-15.18	
For >500, Deduct	-20.93	
26 51 19 00-0464 EA 11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	115.87	44.76
For >50 To 100, Deduct	-4.58	
For >100 To 250, Deduct	-7.47	
For >250 To 500, Deduct	-11.59	
For >500, Deduct	-15.70	
26 51 19 00-0465 EA 11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	120.71	44.76
For >50 To 100, Deduct	-4.70	
For >100 To 250, Deduct	-7.71	
For >250 To 500, Deduct	-12.07	
For >500, Deduct	-16.43	
26 51 19 00-0466 EA 11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	125.55	44.76
For >50 To 100, Deduct	-4.82	
For >100 To 250, Deduct	-7.96	
For >250 To 500, Deduct	-12.56	
For >500, Deduct	-17.15	
26 51 19 00-0467 EA 11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	130.39	44.76
For >50 To 100, Deduct	-4.94	
For >100 To 250, Deduct	-8.20	
For >250 To 500, Deduct	-13.04	
For >500, Deduct	-17.88	
26 51 19 00-0468 EA 14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	127.61	49.23
For >50 To 100, Deduct	-5.04	
For >100 To 250, Deduct	-8.23	
For >250 To 500, Deduct	-12.76	
For >500, Deduct	-17.30	
26 51 19 00-0469 EA 14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	132.45	49.23
For >50 To 100, Deduct	-5.16	
For >100 To 250, Deduct	-8.47	
For >250 To 500, Deduct	-13.25	
For >500, Deduct	-18.02	
26 51 19 00-0470 EA 14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	137.29	49.23
For >50 To 100, Deduct	-5.28	
For >100 To 250, Deduct	-8.71	
For >250 To 500, Deduct	-13.73	
For >500, Deduct	-18.75	
26 51 19 00-0471 EA 14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	142.13	49.23
For >50 To 100, Deduct	-5.40	
For >100 To 250, Deduct	-8.95	
For >250 To 500, Deduct	-14.21	
For >500, Deduct	-19.47	
26 51 19 00-0472 EA 14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	151.81	49.23
For >50 To 100, Deduct	-5.64	
For >100 To 250, Deduct	-9.44	
For >250 To 500, Deduct	-15.18	
For >500, Deduct	-20.93	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0473	EA 11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	115.87	44.76
	<i>For >50 To 100, Deduct</i>	-4.58	
	<i>For >100 To 250, Deduct</i>	-7.47	
	<i>For >250 To 500, Deduct</i>	-11.59	
	<i>For >500, Deduct</i>	-15.70	
26 51 19 00-0474	EA 11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	120.71	44.76
	<i>For >50 To 100, Deduct</i>	-4.70	
	<i>For >100 To 250, Deduct</i>	-7.71	
	<i>For >250 To 500, Deduct</i>	-12.07	
	<i>For >500, Deduct</i>	-16.43	
26 51 19 00-0475	EA 11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	125.55	44.76
	<i>For >50 To 100, Deduct</i>	-4.82	
	<i>For >100 To 250, Deduct</i>	-7.96	
	<i>For >250 To 500, Deduct</i>	-12.56	
	<i>For >500, Deduct</i>	-17.15	
26 51 19 00-0476	EA 11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	130.39	44.76
	<i>For >50 To 100, Deduct</i>	-4.94	
	<i>For >100 To 250, Deduct</i>	-8.20	
	<i>For >250 To 500, Deduct</i>	-13.04	
	<i>For >500, Deduct</i>	-17.88	
26 51 19 00-0477	EA 14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	127.61	49.23
	<i>For >50 To 100, Deduct</i>	-5.04	
	<i>For >100 To 250, Deduct</i>	-8.23	
	<i>For >250 To 500, Deduct</i>	-12.76	
	<i>For >500, Deduct</i>	-17.30	
26 51 19 00-0478	EA 14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	132.45	49.23
	<i>For >50 To 100, Deduct</i>	-5.16	
	<i>For >100 To 250, Deduct</i>	-8.47	
	<i>For >250 To 500, Deduct</i>	-13.25	
	<i>For >500, Deduct</i>	-18.02	
26 51 19 00-0479	EA 14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	137.29	49.23
	<i>For >50 To 100, Deduct</i>	-5.28	
	<i>For >100 To 250, Deduct</i>	-8.71	
	<i>For >250 To 500, Deduct</i>	-13.73	
	<i>For >500, Deduct</i>	-18.75	
26 51 19 00-0480	EA 14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	142.13	49.23
	<i>For >50 To 100, Deduct</i>	-5.40	
	<i>For >100 To 250, Deduct</i>	-8.95	
	<i>For >250 To 500, Deduct</i>	-14.21	
	<i>For >500, Deduct</i>	-19.47	
26 51 19 00-0481	EA 14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	151.81	49.23
	<i>For >50 To 100, Deduct</i>	-5.64	
	<i>For >100 To 250, Deduct</i>	-9.44	
	<i>For >250 To 500, Deduct</i>	-15.18	
	<i>For >500, Deduct</i>	-20.93	
26 51 19 00-0482	EA 11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	115.87	44.76
	<i>For >50 To 100, Deduct</i>	-4.58	
	<i>For >100 To 250, Deduct</i>	-7.47	
	<i>For >250 To 500, Deduct</i>	-11.59	
	<i>For >500, Deduct</i>	-15.70	
26 51 19 00-0483	EA 11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	120.71	44.76
	<i>For >50 To 100, Deduct</i>	-4.70	
	<i>For >100 To 250, Deduct</i>	-7.71	
	<i>For >250 To 500, Deduct</i>	-12.07	
	<i>For >500, Deduct</i>	-16.43	
26 51 19 00-0484	EA 11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	125.55	44.76
	<i>For >50 To 100, Deduct</i>	-4.82	
	<i>For >100 To 250, Deduct</i>	-7.96	
	<i>For >250 To 500, Deduct</i>	-12.56	
	<i>For >500, Deduct</i>	-17.15	
26 51 19 00-0485	EA 11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	130.39	44.76
	<i>For >50 To 100, Deduct</i>	-4.94	
	<i>For >100 To 250, Deduct</i>	-8.20	
	<i>For >250 To 500, Deduct</i>	-13.04	
	<i>For >500, Deduct</i>	-17.88	
26 51 19 00-0486	EA 14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	127.61	49.23
	<i>For >50 To 100, Deduct</i>	-5.04	
	<i>For >100 To 250, Deduct</i>	-8.23	
	<i>For >250 To 500, Deduct</i>	-12.76	
	<i>For >500, Deduct</i>	-17.30	
26 51 19 00-0487	EA 14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	132.45	49.23
	<i>For >50 To 100, Deduct</i>	-5.16	
	<i>For >100 To 250, Deduct</i>	-8.47	
	<i>For >250 To 500, Deduct</i>	-13.25	
	<i>For >500, Deduct</i>	-18.02	
26 51 19 00-0488	EA 14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	137.29	49.23
	<i>For >50 To 100, Deduct</i>	-5.28	
	<i>For >100 To 250, Deduct</i>	-8.71	
	<i>For >250 To 500, Deduct</i>	-13.73	
	<i>For >500, Deduct</i>	-18.75	
26 51 19 00-0489	EA 14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	142.13	49.23
	<i>For >50 To 100, Deduct</i>	-5.40	
	<i>For >100 To 250, Deduct</i>	-8.95	
	<i>For >250 To 500, Deduct</i>	-14.21	
	<i>For >500, Deduct</i>	-19.47	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0490 EA 14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	151.81	49.23
For >50 To 100, Deduct	-5.64	
For >100 To 250, Deduct	-9.44	
For >250 To 500, Deduct	-15.18	
For >500, Deduct	-20.93	
26 51 19 00-0491 EA 19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	157.58	53.15
For >50 To 100, Deduct	-5.95	
For >100 To 250, Deduct	-9.89	
For >250 To 500, Deduct	-15.76	
For >500, Deduct	-21.62	
26 51 19 00-0492 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	168.58	53.15
For >50 To 100, Deduct	-6.23	
For >100 To 250, Deduct	-10.44	
For >250 To 500, Deduct	-16.86	
For >500, Deduct	-23.27	
26 51 19 00-0493 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	165.90	53.15
For >50 To 100, Deduct	-6.16	
For >100 To 250, Deduct	-10.31	
For >250 To 500, Deduct	-16.59	
For >500, Deduct	-22.87	
26 51 19 00-0494 EA 19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	165.85	53.15
For >50 To 100, Deduct	-6.16	
For >100 To 250, Deduct	-10.31	
For >250 To 500, Deduct	-16.59	
For >500, Deduct	-22.86	
26 51 19 00-0495 EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	178.26	53.15
For >50 To 100, Deduct	-6.47	
For >100 To 250, Deduct	-10.93	
For >250 To 500, Deduct	-17.83	
For >500, Deduct	-24.73	
26 51 19 00-0496 EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	174.26	53.15
For >50 To 100, Deduct	-6.37	
For >100 To 250, Deduct	-10.73	
For >250 To 500, Deduct	-17.43	
For >500, Deduct	-24.13	
26 51 19 00-0497 EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	191.02	53.15
For >50 To 100, Deduct	-6.79	
For >100 To 250, Deduct	-11.56	
For >250 To 500, Deduct	-19.10	
For >500, Deduct	-26.64	
26 51 19 00-0498 EA 19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	185.56	53.15
For >50 To 100, Deduct	-6.65	
For >100 To 250, Deduct	-11.29	
For >250 To 500, Deduct	-18.56	
For >500, Deduct	-25.82	
26 51 19 00-0499 EA 19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	185.61	53.15
For >50 To 100, Deduct	-6.65	
For >100 To 250, Deduct	-11.29	
For >250 To 500, Deduct	-18.56	
For >500, Deduct	-25.83	
26 51 19 00-0500 EA 19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	157.58	53.15
For >50 To 100, Deduct	-5.95	
For >100 To 250, Deduct	-9.89	
For >250 To 500, Deduct	-15.76	
For >500, Deduct	-21.62	
26 51 19 00-0501 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	168.58	53.15
For >50 To 100, Deduct	-6.23	
For >100 To 250, Deduct	-10.44	
For >250 To 500, Deduct	-16.86	
For >500, Deduct	-23.27	
26 51 19 00-0502 EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	165.90	53.15
For >50 To 100, Deduct	-6.16	
For >100 To 250, Deduct	-10.31	
For >250 To 500, Deduct	-16.59	
For >500, Deduct	-22.87	
26 51 19 00-0503 EA 19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	165.85	53.15
For >50 To 100, Deduct	-6.16	
For >100 To 250, Deduct	-10.31	
For >250 To 500, Deduct	-16.59	
For >500, Deduct	-22.86	
26 51 19 00-0504 EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	178.26	53.15
For >50 To 100, Deduct	-6.47	
For >100 To 250, Deduct	-10.93	
For >250 To 500, Deduct	-17.83	
For >500, Deduct	-24.73	
26 51 19 00-0505 EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	174.26	53.15
For >50 To 100, Deduct	-6.37	
For >100 To 250, Deduct	-10.73	
For >250 To 500, Deduct	-17.43	
For >500, Deduct	-24.13	
26 51 19 00-0506 EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	191.02	53.15
For >50 To 100, Deduct	-6.79	
For >100 To 250, Deduct	-11.56	
For >250 To 500, Deduct	-19.10	
For >500, Deduct	-26.64	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0507	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	185.56	53.15
			<i>For >50 To 100, Deduct</i>	-6.65	
			<i>For >100 To 250, Deduct</i>	-11.29	
			<i>For >250 To 500, Deduct</i>	-18.56	
			<i>For >500, Deduct</i>	-25.82	
26 51	19 00-0508	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	185.61	53.15
			<i>For >50 To 100, Deduct</i>	-6.65	
			<i>For >100 To 250, Deduct</i>	-11.29	
			<i>For >250 To 500, Deduct</i>	-18.56	
			<i>For >500, Deduct</i>	-25.83	
26 51	19 00-0509	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	157.58	53.15
			<i>For >50 To 100, Deduct</i>	-5.95	
			<i>For >100 To 250, Deduct</i>	-9.89	
			<i>For >250 To 500, Deduct</i>	-15.76	
			<i>For >500, Deduct</i>	-21.62	
26 51	19 00-0510	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	168.58	53.15
			<i>For >50 To 100, Deduct</i>	-6.23	
			<i>For >100 To 250, Deduct</i>	-10.44	
			<i>For >250 To 500, Deduct</i>	-16.86	
			<i>For >500, Deduct</i>	-23.27	
26 51	19 00-0511	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	165.90	53.15
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.31	
			<i>For >250 To 500, Deduct</i>	-16.59	
			<i>For >500, Deduct</i>	-22.87	
26 51	19 00-0512	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	165.85	53.15
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.31	
			<i>For >250 To 500, Deduct</i>	-16.59	
			<i>For >500, Deduct</i>	-22.86	
26 51	19 00-0513	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	178.26	53.15
			<i>For >50 To 100, Deduct</i>	-6.47	
			<i>For >100 To 250, Deduct</i>	-10.93	
			<i>For >250 To 500, Deduct</i>	-17.83	
			<i>For >500, Deduct</i>	-24.73	
26 51	19 00-0514	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	174.26	53.15
			<i>For >50 To 100, Deduct</i>	-6.37	
			<i>For >100 To 250, Deduct</i>	-10.73	
			<i>For >250 To 500, Deduct</i>	-17.43	
			<i>For >500, Deduct</i>	-24.13	
26 51	19 00-0515	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	191.02	53.15
			<i>For >50 To 100, Deduct</i>	-6.79	
			<i>For >100 To 250, Deduct</i>	-11.56	
			<i>For >250 To 500, Deduct</i>	-19.10	
			<i>For >500, Deduct</i>	-26.64	
26 51	19 00-0516	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	185.56	53.15
			<i>For >50 To 100, Deduct</i>	-6.65	
			<i>For >100 To 250, Deduct</i>	-11.29	
			<i>For >250 To 500, Deduct</i>	-18.56	
			<i>For >500, Deduct</i>	-25.82	
26 51	19 00-0517	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	185.61	53.15
			<i>For >50 To 100, Deduct</i>	-6.65	
			<i>For >100 To 250, Deduct</i>	-11.29	
			<i>For >250 To 500, Deduct</i>	-18.56	
			<i>For >500, Deduct</i>	-25.83	
26 51	19 00-0518	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	157.58	53.15
			<i>For >50 To 100, Deduct</i>	-5.95	
			<i>For >100 To 250, Deduct</i>	-9.89	
			<i>For >250 To 500, Deduct</i>	-15.76	
			<i>For >500, Deduct</i>	-21.62	
26 51	19 00-0519	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	168.58	53.15
			<i>For >50 To 100, Deduct</i>	-6.23	
			<i>For >100 To 250, Deduct</i>	-10.44	
			<i>For >250 To 500, Deduct</i>	-16.86	
			<i>For >500, Deduct</i>	-23.27	
26 51	19 00-0520	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	165.90	53.15
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.31	
			<i>For >250 To 500, Deduct</i>	-16.59	
			<i>For >500, Deduct</i>	-22.87	
26 51	19 00-0521	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	165.85	53.15
			<i>For >50 To 100, Deduct</i>	-6.16	
			<i>For >100 To 250, Deduct</i>	-10.31	
			<i>For >250 To 500, Deduct</i>	-16.59	
			<i>For >500, Deduct</i>	-22.86	
26 51	19 00-0522	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	178.26	53.15
			<i>For >50 To 100, Deduct</i>	-6.47	
			<i>For >100 To 250, Deduct</i>	-10.93	
			<i>For >250 To 500, Deduct</i>	-17.83	
			<i>For >500, Deduct</i>	-24.73	
26 51	19 00-0523	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	174.26	53.15
			<i>For >50 To 100, Deduct</i>	-6.37	
			<i>For >100 To 250, Deduct</i>	-10.73	
			<i>For >250 To 500, Deduct</i>	-17.43	
			<i>For >500, Deduct</i>	-24.13	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0524 EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	191.02	53.15
For >50 To 100, Deduct	-6.79	
For >100 To 250, Deduct	-11.56	
For >250 To 500, Deduct	-19.10	
For >500, Deduct	-26.64	
26 51 19 00-0525 EA 19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	185.56	53.15
For >50 To 100, Deduct	-6.65	
For >100 To 250, Deduct	-11.29	
For >250 To 500, Deduct	-18.56	
For >500, Deduct	-25.82	
26 51 19 00-0526 EA 19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	185.61	53.15
For >50 To 100, Deduct	-6.65	
For >100 To 250, Deduct	-11.29	
For >250 To 500, Deduct	-18.56	
For >500, Deduct	-25.83	
26 51 19 00-0527 Ceiling Mounted, LED Mushroom Fixtures (Mobern) <small>(26 51 19 00-0453)</small>		
26 51 19 00-0528 EA 14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	189.89	49.23
For >50 To 100, Deduct	-6.59	
For >100 To 250, Deduct	-11.34	
For >250 To 500, Deduct	-18.99	
For >500, Deduct	-26.64	
26 51 19 00-0529 Ceiling Mounted, LED Fixtures (Sylvania) <small>(26 51 19 00-0453)</small>		
26 51 19 00-0530 EA 12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	706.10	53.15
For >50 To 100, Deduct	-19.67	
For >100 To 250, Deduct	-37.32	
For >250 To 500, Deduct	-70.61	
For >500, Deduct	-103.90	
26 51 19 00-0531 EA 2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMK1A/24A/WH).....	271.86	44.76
For >50 To 100, Deduct	-8.47	
For >100 To 250, Deduct	-15.27	
For >250 To 500, Deduct	-27.19	
For >500, Deduct	-39.10	
26 51 19 00-0532 EA 2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMK1A/24A/WH).....	338.41	52.14
For >50 To 100, Deduct	-10.42	
For >100 To 250, Deduct	-18.88	
For >250 To 500, Deduct	-33.84	
For >500, Deduct	-48.80	
26 51 19 00-0533 EA 2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMK1A/24A/WH).....	342.38	52.14
For >50 To 100, Deduct	-10.52	
For >100 To 250, Deduct	-19.08	
For >250 To 500, Deduct	-34.24	
For >500, Deduct	-49.40	
26 51 19 00-0534 Refrigeration/Display LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0535 Refrigeration/Display LED Fixtures (Lithonia) <small>(26 51 19 00-0534)</small>		
Note: Fixtures exclude driver.		
26 51 19 00-0536 EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	279.75	52.14
For >50 To 100, Deduct	-8.95	
For >100 To 250, Deduct	-15.95	
For >250 To 500, Deduct	-27.98	
For >500, Deduct	-40.00	
26 51 19 00-0537 EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	366.96	92.31
For >50 To 100, Deduct	-12.67	
For >100 To 250, Deduct	-21.84	
For >250 To 500, Deduct	-36.70	
For >500, Deduct	-51.55	
26 51 19 00-0538 EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL).....	334.99	73.85
For >50 To 100, Deduct	-11.17	
For >100 To 250, Deduct	-19.55	
For >250 To 500, Deduct	-33.50	
For >500, Deduct	-47.45	
26 51 19 00-0539 Pendant Mount, LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0540 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) <small>(26 51 19 00-0539)</small>		
26 51 19 00-0541 EA 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S).....	2,598.62	114.12
For >50 To 100, Deduct	-69.72	
For >100 To 250, Deduct	-134.69	
For >250 To 500, Deduct	-259.86	
For >500, Deduct	-385.04	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0542	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S).....	3,926.54	120.84
		<i>For >50 To 100, Deduct</i>	-103.20	
		<i>For >100 To 250, Deduct</i>	-201.36	
		<i>For >250 To 500, Deduct</i>	-392.65	
		<i>For >500, Deduct</i>	-583.95	
26 51 19 00-0543	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S).....	5,015.58	127.55
		<i>For >50 To 100, Deduct</i>	-130.70	
		<i>For >100 To 250, Deduct</i>	-256.09	
		<i>For >250 To 500, Deduct</i>	-501.56	
		<i>For >500, Deduct</i>	-747.02	
26 51 19 00-0544	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S).....	6,343.50	134.27
		<i>For >50 To 100, Deduct</i>	-164.18	
		<i>For >100 To 250, Deduct</i>	-322.77	
		<i>For >250 To 500, Deduct</i>	-634.35	
		<i>For >500, Deduct</i>	-945.93	
26 51 19 00-0545	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S).....	2,756.55	114.12
		<i>For >50 To 100, Deduct</i>	-73.67	
		<i>For >100 To 250, Deduct</i>	-142.58	
		<i>For >250 To 500, Deduct</i>	-275.66	
		<i>For >500, Deduct</i>	-408.73	
26 51 19 00-0546	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S).....	4,135.79	120.84
		<i>For >50 To 100, Deduct</i>	-108.43	
		<i>For >100 To 250, Deduct</i>	-211.82	
		<i>For >250 To 500, Deduct</i>	-413.58	
		<i>For >500, Deduct</i>	-615.33	
26 51 19 00-0547	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S).....	5,226.81	127.55
		<i>For >50 To 100, Deduct</i>	-135.98	
		<i>For >100 To 250, Deduct</i>	-266.66	
		<i>For >250 To 500, Deduct</i>	-522.68	
		<i>For >500, Deduct</i>	-778.71	
26 51 19 00-0548	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S).....	6,580.39	134.27
		<i>For >50 To 100, Deduct</i>	-170.10	
		<i>For >100 To 250, Deduct</i>	-334.61	
		<i>For >250 To 500, Deduct</i>	-658.04	
		<i>For >500, Deduct</i>	-981.46	
26 51 19 00-0549		Pendant Mount, LED Commercial Fixtures (DMF) <small>(26 51 19 00-0539)</small>		
26 51 19 00-0550	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED).....	1,006.15	67.13
		<i>For >50 To 100, Deduct</i>	-27.95	
		<i>For >100 To 250, Deduct</i>	-53.10	
		<i>For >250 To 500, Deduct</i>	-100.62	
		<i>For >500, Deduct</i>	-148.13	
26 51 19 00-0551		LED Track Lighting Fixtures <small>(26 51 19)</small>		
26 51 19 00-0552	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	196.88	20.45
		<i>For >50 To 100, Deduct</i>	-5.69	
		<i>For >100 To 250, Deduct</i>	-10.61	
		<i>For >250 To 500, Deduct</i>	-19.69	
		<i>For >500, Deduct</i>	-28.77	
26 51 19 00-0553	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	341.68	20.45
		<i>For >50 To 100, Deduct</i>	-9.31	
		<i>For >100 To 250, Deduct</i>	-17.85	
		<i>For >250 To 500, Deduct</i>	-34.17	
		<i>For >500, Deduct</i>	-50.49	
26 51 19 00-0554	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	202.38	20.45
		<i>For >50 To 100, Deduct</i>	-5.82	
		<i>For >100 To 250, Deduct</i>	-10.88	
		<i>For >250 To 500, Deduct</i>	-20.24	
		<i>For >500, Deduct</i>	-29.59	
26 51 23		HID Interior Lighting <small>(26 51)</small>		
26 51 23 00-0001		Large Interior Area Fixtures <small>(26 51 23)</small>		
26 51 23 00-0002		Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0001)</small>		
		Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003		High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0002)</small>		
26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	478.47	130.53
		<i>For Wire Guard, Add</i>	40.50	
		<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	498.29	138.60
		<i>For Wire Guard, Add</i>	40.50	
		<i>For Instant Quartz Restrike, Add</i>	60.00	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0006 EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	521.57 40.50 60.00	158.20
26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0008 EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	487.17 40.50 60.00	130.53
26 51 23 00-0009 EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	502.00 40.50 60.00	138.60
26 51 23 00-0010 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i>	534.09 40.50 60.00	158.20
26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0013 EA 150 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	442.22 40.50 75.47 60.00 90.00	119.27
26 51 23 00-0014 EA 250 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	454.94 40.50 75.47 60.00 90.00	126.66
26 51 23 00-0015 EA 400 Watt High Pressure Sodium, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	483.20 40.50 75.47 60.00 90.00	144.55
26 51 23 00-0016 Metal Halide, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0017 EA 175 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	435.52 40.50 75.47 60.00 90.00	119.27
26 51 23 00-0018 EA 250 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	447.43 40.50 75.47 60.00 90.00	126.66
26 51 23 00-0019 EA 400 Watt Metal Halide, Low Bay Fixture <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	486.60 40.50 75.47 60.00 90.00	144.55
26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0022 EA 250 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	409.86 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	126.66
26 51 23 00-0023 EA 400 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	442.88 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	144.55

26 Electrical

26 50 Lighting

26 51 Interior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 23 00-0024	EA 1,000 Watt High Pressure Sodium, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	642.69 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	152.05
26 51 23 00-0025	Metal Halide, High Bay Fixtures <small>(26 51 23 00-0020)</small> Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA 250 Watt Metal Halide, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	381.18 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	126.66
26 51 23 00-0027	EA 400 Watt Metal Halide, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	420.18 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	144.55
26 51 23 00-0028	EA 1,000 Watt Metal Halide, High Bay Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	543.19 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	152.05
26 51 23 00-0029	Induction, High Bay Fixtures <small>(26 51 23 00-0020)</small>		
26 51 23 00-0030	Induction, High Bay Fixtures (Everlast®) <small>(26 51 23 00-0029)</small> Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA 100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	479.83 20.00	110.77
26 51 23 00-0032	EA 120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	514.05 20.00	114.46
26 51 23 00-0033	EA 150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	523.60 20.00	118.16
26 51 23 00-0034	EA 200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	569.67 20.00	121.84
26 51 23 00-0035	EA 250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	584.15 20.00	125.53
26 51 23 00-0036	EA 100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	514.38 20.00	110.77
26 51 23 00-0037	EA 120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	548.60 20.00	114.46
26 51 23 00-0038	EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	558.15 20.00	118.16
26 51 23 00-0039	EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	604.23 20.00	121.84
26 51 23 00-0040	EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) <i>For Impact Resistant Silicon Lens, Add</i>	618.70 20.00	125.53
26 51 23 00-0041	Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0001)</small> Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042	High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0041)</small>		
26 51 23 00-0043	EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Polycarbonate Lens, Add</i>	342.99 40.50 60.00 47.75	84.86
26 51 23 00-0044	EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Polycarbonate Lens, Add</i>	673.21 40.50 60.00 47.75	84.86
26 51 23 00-0045	EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Polycarbonate Lens, Add</i>	773.83 40.50 60.00 47.75	84.86



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0046 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture.....	1,035.61	84.86
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0048 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	313.45	84.86
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0049 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	329.86	94.16
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	350.87	101.99
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture.....	393.59	121.47
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings (26 51 23)		
26 51 23 00-0053 EA 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	165.55	35.27
For ICAT Housing, Add	14.56	
26 51 23 00-0054 EA 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	173.09	35.27
For ICAT Housing, Add	15.54	
26 51 23 00-0055 EA 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	181.82	36.73
For ICAT Housing, Add	16.35	
26 51 23 00-0056 EA 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	188.38	38.33
For ICAT Housing, Add	16.88	
26 51 23 00-0057 EA 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	194.88	39.92
For ICAT Housing, Add	17.40	
26 51 23 00-0058 EA 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing.....	200.55	42.37
For ICAT Housing, Add	17.66	
26 51 23 00-0059 Metal Halide Track Lighting Fixtures (26 51 23)		
26 51 23 00-0060 EA Metal Halide Track Lighting Fixture.....	107.89	20.45
26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0062 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	172.92	48.98
For Wall Mounted, Add	6.30	
26 51 23 00-0063 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	178.01	48.98
For Wall Mounted, Add	6.30	
26 51 23 00-0064 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	188.34	48.98
For Wall Mounted, Add	6.30	
26 51 23 00-0065 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	203.88	48.98
For Wall Mounted, Add	6.30	
26 51 23 00-0066 High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0067 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	160.81	48.98
For Wall Mounted, Add	6.67	
26 51 23 00-0068 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	167.13	48.98
For Wall Mounted, Add	6.67	
26 51 23 00-0069 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	191.56	48.98
For Wall Mounted, Add	6.67	
26 51 33 Interior Lighting Accessories (26 51)		
26 51 33 00-0001 Accessories And Modifiers For Fixtures (26 51 33)		
26 51 33 00-0002 Lens Modifications (26 51 33 00-0001)		
26 51 33 00-0003 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	37.68	
26 51 33 00-0004 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	46.55	
26 51 33 00-0005 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	48.76	
26 51 33 00-0006 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	53.20	
26 51 33 00-0007 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	64.28	
26 51 33 00-0008 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.52	
26 51 33 00-0009 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	22.16	
26 51 33 00-0010 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	24.38	
26 51 33 00-0011 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	28.81	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 33 00-0012	Pendant Mounting Modifications <small>(26 51 33 00-0001)</small>		
	Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA For Pendant Mounting Up to 1'-6" Long Section.....	16.85	
	Note: Per pendant.		
26 51 33 00-0014	EA For Pendant Mounting 2' Long Section.....	19.51	
	Note: Per pendant.		
26 51 33 00-0015	EA For Pendant Mounting 3' Long Section.....	24.96	
	Note: Per pendant.		
26 51 33 00-0016	EA For Pendant Mounting 4' Long Section.....	29.48	
	Note: Per pendant.		
26 51 33 00-0017	EA For Pendant Mounting 6' Long Section.....	37.24	
	Note: Per pendant.		
26 51 33 00-0018	EA For Pendant Mounting 8' Long Section.....	50.54	
	Note: Per pendant.		
26 51 33 00-0019	Fluorescent Light Accessories <small>(26 51 33 00-0001)</small>		
26 51 33 00-0020	EA Blank Metal Light Box Plate.....	30.98	
26 51 33 00-0021	EA Factory Installed Fixture Mounted Occupancy Sensor.....	170.65	
26 51 33 00-0022	Wire Guards <small>(26 51 33 00-0001)</small>		
26 51 33 00-0023	EA Wire Guard for 6" x 2' Fixture.....	71.53	6.13
26 51 33 00-0024	EA Wire Guard for 6" x 4' Fixture.....	100.23	9.82
26 51 33 00-0025	EA Wire Guard for 1" x 2' Fixture.....	79.87	6.75
26 51 33 00-0026	EA Wire Guard for 1" x 4' Fixture.....	113.31	10.43
26 51 33 00-0027	EA Wire Guard for 2" x 2' Fixture.....	97.69	7.36
26 51 33 00-0028	EA Wire Guard for 2" x 4' Fixture.....	133.50	11.04
26 51 33 00-0029	Lighting Accessories <small>(26 51 33)</small>		
26 51 33 00-0030	Modular Flexible Wiring Systems <small>(26 51 33 00-0029)</small>		
26 51 33 00-0031	EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	102.95	6.61
26 51 33 00-0032	EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	122.19	6.61
26 51 33 00-0033	EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	147.97	6.61
26 51 33 00-0034	EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	122.19	6.61
26 51 33 00-0035	EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	100.86	6.61
26 51 33 00-0036	EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	152.77	6.61
26 51 33 00-0037	EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	82.52	6.61
26 51 33 00-0038	EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	94.00	6.61
26 51 33 00-0039	EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	123.24	6.61
26 51 33 00-0040	EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	123.24	6.61
26 51 33 00-0041	EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	125.40	6.61
26 51 33 00-0042	EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	124.60	6.61
26 51 33 00-0043	EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	124.60	6.61
26 51 33 00-0044	EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	143.92	6.61
26 51 33 00-0045	EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	63.53	6.61
26 51 33 00-0046	EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	59.03	6.61
26 51 33 00-0047	EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	60.60	6.61
26 51 33 00-0048	EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	77.32	6.61
26 51 33 00-0049	EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	102.95	6.61
26 51 33 00-0050	EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	105.68	6.61
26 51 33 00-0051	EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	81.47	6.61
26 51 33 00-0052	EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	59.03	6.61
26 51 33 00-0053	EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	55.09	
26 51 33 00-0054	Additional Lighting Wire Whips <small>(26 51 33)</small>		
26 51 33 00-0055	LF For Each Additional LF Of Interior Lighting Wire Whip, Add.....	1.85	
	Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		
26 51 33 00-0056	Removal And Reinstallation Of Light Fixtures <small>(26 51 33)</small>		
	Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057	EA Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	130.35	
26 51 33 00-0058	EA Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	148.97	

26 52 Safety Lighting (26 50)

26 52 13 Emergency and Exit Lighting (26 52)

26 52 13 13 Emergency Lighting (26 52 13)

26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13	13-0002		Polycarbonate Housing, Commercial Emergency Lights <small>(26 52 13 13-0001)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13	13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	247.17	30.61
26 52 13	13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	169.02	30.61
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 13	13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	271.29	30.61
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 13	13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	317.59	30.61
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 13	13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	476.71	30.61
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 13	13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	541.30	30.61
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 13	13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	792.94	30.61
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 13	13-0010		Remote Heads For Commercial Emergency Lights <small>(26 52 13 13-0001)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13	13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	167.74	18.37
26 52 13	13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	168.90	18.37
26 52 13	13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	172.81	18.37
26 52 13	13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	172.17	18.37
26 52 13	13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	148.19	18.37
26 52 13	13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	100.56	18.37
26 52 13	13-0017		Industrial Emergency Lights <small>(26 52 13 13)</small>		
26 52 13	13-0018		Painted Steel Housing, Industrial Emergency Lights <small>(26 52 13 13-0017)</small>		
26 52 13	13-0019		Painted Steel Housing, Industrial Emergency Lights <small>(26 52 13 13-0018)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13	13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	441.56	30.61
			For Wireguard, Add	228.84	
26 52 13	13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	369.30	30.61
			For Wireguard, Add	228.84	
26 52 13	13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	580.49	30.61
			For Wireguard, Add	228.84	
26 52 13	13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	616.94	30.61
			For Wireguard, Add	228.84	
26 52 13	13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	884.24	30.61
			For Wireguard, Add	243.74	
26 52 13	13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,395.59	30.61
			For Wireguard, Add	243.74	
26 52 13	13-0026		Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 13 13-0019)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13	13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	128.01	18.37
			For Wireguard, Add	184.68	
26 52 13	13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	132.56	18.37
			For Wireguard, Add	184.68	
26 52 13	13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	128.65	18.37
			For Wireguard, Add	184.68	
26 52 13	13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	129.39	18.37
			For Wireguard, Add	184.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13	13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	132.56	18.37
			<i>For Wireguard, Add</i>	184.68	
26 52 13	13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	155.59	18.37
			<i>For Wireguard, Add</i>	184.68	
26 52 13	13-0033		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0017)</small>		
26 52 13	13-0034		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13	13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	435.75	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13	13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	474.32	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13	13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	463.75	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13	13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	490.69	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13	13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	831.94	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13	13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	651.81	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13	13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	731.05	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13	13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	771.19	30.61
			<i>For Wireguard, Add</i>	222.50	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13	13-0043		Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small> Note: For use with fixtures that have remote capability.		
26 52 13	13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	110.58	18.37
26 52 13	13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	119.77	18.37
26 52 13	13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	110.69	18.37
26 52 13	13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	117.45	18.37
26 52 13	13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	100.08	18.37
26 52 13	13-0049		Outdoor Emergency Lights <small>(26 52 13 13)</small>		
26 52 13	13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 13 13-0049)</small> Note: Includes nickel-cadmium batteries.		
26 52 13	13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	690.37	30.61
26 52 13	13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	825.08	30.61
26 52 13	13-0053		Recessed Emergency Lights <small>(26 52 13 13)</small>		
26 52 13	13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	753.20	30.61
			<i>For Wire Guard, Add</i>	60.00	
26 52 13	13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	587.54	61.22
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	243.74	



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13	13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)..... Note: Includes lead-calcium batteries and two adjustable lamp heads. For Wireguard, Add	848.61 243.74	61.22
26 52 13 13-0057 Square Wraparound Emergency Lights (26 52 13 13)					
26 52 13	13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	341.43	30.61
26 52 13 16 Exit Signs (26 52 13)					
Note: Excludes pendants.					
26 52 13 16-0001 LED Exit Signs (26 52 13 16)					
Note: Includes red LED lamps.					
26 52 13	16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)..... For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	196.34 15.00 -7.15 -12.05 -19.63 -27.21	44.76
26 52 13	16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)..... For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	196.34 15.00 -7.15 -12.05 -19.63 -27.21	44.76
26 52 13	16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)..... For Green LED Lamps, Add For Self-Diagnostics, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	276.27 15.00 50.00 -9.14 -16.05 -27.63 -39.20	44.76
26 52 13	16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)..... For Green LED Lamps, Add For Self-Diagnostics, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	276.27 15.00 50.00 -9.14 -16.05 -27.63 -39.20	44.76
26 52 13	16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)..... For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	304.82 15.00 -9.86 -17.48 -30.48 -43.49	44.76
26 52 13	16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)..... For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	346.48 15.00 -10.90 -19.56 -34.65 -49.73	44.76
26 52 13	16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)..... For Green LED Lamps, Add For Self-Diagnostics, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	287.41 15.00 50.00 -9.42 -16.61 -28.74 -40.87	44.76
26 52 13	16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)..... For Green LED Lamps, Add For Self-Diagnostics, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	317.65 15.00 50.00 -10.18 -18.12 -31.77 -45.41	44.76
26 52 13	16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4)..... Note: Includes two circular side mounted krypton emergency lights. For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	365.40 15.00 -12.20 -21.33 -36.54 -51.75	44.76
26 52 13	16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6)..... Note: Includes two circular side mounted LED emergency lights. For Green LED Lamps, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	309.63 15.00 -10.80 -18.54 -30.96 -43.38	44.76

26 Electrical
26 50 Lighting
26 52 Safety Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	459.75	44.76
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-14.55	
			For >100 To 250, Deduct	-26.05	
			For >250 To 500, Deduct	-45.98	
			For >500, Deduct	-65.90	
26 52 13 16-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	481.70	44.76
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-15.10	
			For >100 To 250, Deduct	-27.15	
			For >250 To 500, Deduct	-48.17	
			For >500, Deduct	-69.19	
26 52 13 16-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	129.03	44.76
			For >50 To 100, Deduct	-5.46	
			For >100 To 250, Deduct	-8.69	
			For >250 To 500, Deduct	-12.90	
			For >500, Deduct	-17.12	
26 52 13 16-0015	EA		120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R).....	129.54	44.76
			For >50 To 100, Deduct	-5.48	
			For >100 To 250, Deduct	-8.71	
			For >250 To 500, Deduct	-12.95	
			For >500, Deduct	-17.19	
26 52 13 16-0016			Edge-Lit LED Exit Signs <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0017	EA		Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6).....	271.18	44.76
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.02	
			For >100 To 250, Deduct	-15.80	
			For >250 To 500, Deduct	-27.12	
			For >500, Deduct	-38.44	
26 52 13 16-0018	EA		Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6).....	274.07	44.76
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.09	
			For >100 To 250, Deduct	-15.94	
			For >250 To 500, Deduct	-27.41	
			For >500, Deduct	-38.87	
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6).....	293.58	44.76
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-9.58	
			For >100 To 250, Deduct	-16.92	
			For >250 To 500, Deduct	-29.36	
			For >500, Deduct	-41.80	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6).....	351.91	44.76
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-11.04	
			For >100 To 250, Deduct	-19.83	
			For >250 To 500, Deduct	-35.19	
			For >500, Deduct	-50.55	
26 52 13 16-0021			Self-Luminous Tritium Exit Signs <small>(26 52 13 16)</small>		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R).....	583.95	44.76
			For >50 To 100, Deduct	-16.84	
			For >100 To 250, Deduct	-31.44	
			For >250 To 500, Deduct	-58.40	
			For >500, Deduct	-85.36	
26 52 13 16-0023	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R).....	1,077.87	44.76
			For >50 To 100, Deduct	-29.18	
			For >100 To 250, Deduct	-56.13	
			For >250 To 500, Deduct	-107.79	
			For >500, Deduct	-159.44	
26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R).....	696.46	44.76
			For >50 To 100, Deduct	-19.65	
			For >100 To 250, Deduct	-37.06	
			For >250 To 500, Deduct	-69.65	
			For >500, Deduct	-102.23	
26 52 13 16-0025	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R).....	1,168.20	44.76
			For >50 To 100, Deduct	-31.44	
			For >100 To 250, Deduct	-60.65	
			For >250 To 500, Deduct	-116.82	
			For >500, Deduct	-172.99	



Electrical	26	26
Lighting	26 50	
Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0026	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R).....	639.94	44.76
			<i>For >50 To 100, Deduct</i>	-18.24	
			<i>For >100 To 250, Deduct</i>	-34.23	
			<i>For >250 To 500, Deduct</i>	-63.99	
			<i>For >500, Deduct</i>	-93.75	
26 52 13 16-0027	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,168.20	44.76
			<i>For >50 To 100, Deduct</i>	-31.44	
			<i>For >100 To 250, Deduct</i>	-60.65	
			<i>For >250 To 500, Deduct</i>	-116.82	
			<i>For >500, Deduct</i>	-172.99	
26 52 13 16-0028	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R).....	786.27	44.76
			<i>For >50 To 100, Deduct</i>	-21.89	
			<i>For >100 To 250, Deduct</i>	-41.55	
			<i>For >250 To 500, Deduct</i>	-78.63	
			<i>For >500, Deduct</i>	-115.70	
26 52 13 16-0029	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,451.34	44.76
			<i>For >50 To 100, Deduct</i>	-38.52	
			<i>For >100 To 250, Deduct</i>	-74.80	
			<i>For >250 To 500, Deduct</i>	-145.13	
			<i>For >500, Deduct</i>	-215.46	
26 52 13 16-0030			Vandal-Resistant LED Exit Signs <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0031	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	550.67	44.76
			<i>For >50 To 100, Deduct</i>	-16.00	
			<i>For >100 To 250, Deduct</i>	-29.77	
			<i>For >250 To 500, Deduct</i>	-55.07	
			<i>For >500, Deduct</i>	-80.36	
26 52 13 16-0032	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	856.53	44.76
			<i>For >50 To 100, Deduct</i>	-23.65	
			<i>For >100 To 250, Deduct</i>	-45.06	
			<i>For >250 To 500, Deduct</i>	-85.65	
			<i>For >500, Deduct</i>	-126.24	
26 52 13 16-0033	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,044.06	44.76
			<i>For >50 To 100, Deduct</i>	-28.34	
			<i>For >100 To 250, Deduct</i>	-54.44	
			<i>For >250 To 500, Deduct</i>	-104.41	
			<i>For >500, Deduct</i>	-154.37	
26 52 13 16-0034			Removal And Reinstallation Of Exit Light Fixture <small>(26 52 13 16)</small>		
26 52 13 16-0035	EA		Removal And Reinstall Of Exit Light Fixtures	91.83	
			Note: Includes storage and cleaning.		
			<i>For >50 To 100, Deduct</i>	-4.59	
			<i>For >100 To 250, Deduct</i>	-6.89	
			<i>For >250 To 500, Deduct</i>	-9.18	
			<i>For >500, Deduct</i>	-11.48	
26 52 13 16-0036			Exit Sign Accessories <small>(26 52 13 16)</small>		
26 52 13 16-0037	EA		Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	130.18	12.27
			<i>For >50 To 100, Deduct</i>	-3.87	
			<i>For >100 To 250, Deduct</i>	-7.12	
			<i>For >250 To 500, Deduct</i>	-13.02	
			<i>For >500, Deduct</i>	-18.91	
26 52 13 16-0038	EA		Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	75.51	12.27
			<i>For >50 To 100, Deduct</i>	-2.50	
			<i>For >100 To 250, Deduct</i>	-4.39	
			<i>For >250 To 500, Deduct</i>	-7.55	
			<i>For >500, Deduct</i>	-10.71	
26 52 13 16-0039	EA		Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	121.56	9.82
			<i>For >50 To 100, Deduct</i>	-3.53	
			<i>For >100 To 250, Deduct</i>	-6.57	
			<i>For >250 To 500, Deduct</i>	-12.16	
			<i>For >500, Deduct</i>	-17.74	
26 52 13 16-0040	EA		Removal And Replacement Of Battery For Exit Signs.....	129.87	
			Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
			<i>For >50 To 100, Deduct</i>	-4.01	
			<i>For >100 To 250, Deduct</i>	-7.26	
			<i>For >250 To 500, Deduct</i>	-12.99	
			<i>For >500, Deduct</i>	-18.71	

26 54 Classified Location Lighting (26 50)

26 54 19 LED Classified Location Lighting (26 54)

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)

26	Electrical
26 50	Lighting
26 54	Classified Location Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54	19 00-0002		Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
	26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,473.35	100.70
			<i>For Bolt-On Visor, Add</i>	94.27	
			<i>For Bolt-On Wire Guard, Add</i>	193.89	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For >50 To 100, Deduct</i>	-66.03	
			<i>For >100 To 250, Deduct</i>	-127.86	
			<i>For >250 To 500, Deduct</i>	-247.34	
			<i>For >500, Deduct</i>	-366.81	
	26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	3,027.56	107.41
			<i>For Bolt-On Visor, Add</i>	94.27	
			<i>For Bolt-On Wire Guard, Add</i>	193.89	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For >50 To 100, Deduct</i>	-80.16	
			<i>For >100 To 250, Deduct</i>	-155.85	
			<i>For >250 To 500, Deduct</i>	-302.76	
			<i>For >500, Deduct</i>	-449.66	
	26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,418.90	114.12
			<i>For Bolt-On Visor, Add</i>	94.27	
			<i>For Bolt-On Wire Guard, Add</i>	193.89	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For >50 To 100, Deduct</i>	-90.23	
			<i>For >100 To 250, Deduct</i>	-175.70	
			<i>For >250 To 500, Deduct</i>	-341.89	
			<i>For >500, Deduct</i>	-508.08	
	26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	3,821.08	120.84
			<i>For Bolt-On Visor, Add</i>	94.27	
			<i>For Bolt-On Wire Guard, Add</i>	193.89	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For >50 To 100, Deduct</i>	-100.56	
			<i>For >100 To 250, Deduct</i>	-196.09	
			<i>For >250 To 500, Deduct</i>	-382.11	
			<i>For >500, Deduct</i>	-568.13	
26 54	19 00-0007		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
	26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,465.79	93.98
			<i>For 12/24 Volt DC Driver, Add</i>	26.79	
			<i>For Frosted Lens, Add</i>	54.75	
			<i>For Warm White Color Temperature LEDs, Add</i>	70.48	
			<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	36.48	
			<i>For Stanchion Mount, Add</i>	225.86	
			<i>For Ceiling Mount, Add</i>	90.57	
			<i>For Wall Mount, Add</i>	132.21	
			<i>For Teflon Coated Lens, Add</i>	116.21	
			<i>For Wall Mount With Junction Box, Add</i>	193.04	
			<i>For >50 To 100, Deduct</i>	-40.56	
			<i>For >100 To 250, Deduct</i>	-77.21	
			<i>For >250 To 500, Deduct</i>	-146.58	
			<i>For >500, Deduct</i>	-215.95	
26 54	19 00-0009		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
	26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,324.68	93.98
			<i>For Ceiling Mount, Add</i>	17.33	
			<i>For Quick Clip Mounting Option, Add</i>	25.46	
			<i>For Frosted Lens, Add</i>	54.75	
			<i>For Warm White Color Rendering, Add</i>	70.48	
			<i>For Polycarbonate Lens, Add</i>	101.48	
			<i>For 480 Volt, Add</i>	166.01	
			<i>For >50 To 100, Deduct</i>	-62.03	
			<i>For >100 To 250, Deduct</i>	-120.15	
			<i>For >250 To 500, Deduct</i>	-232.47	
			<i>For >500, Deduct</i>	-344.79	



Electrical	26	26
Lighting	26 50	
Classified Location Lighting	26 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0011 EA 3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	2,574.41	100.70
For Ceiling Mount, Add	17.33	
For Quick Clip Mounting Option, Add	25.46	
For Frosted Lens, Add	54.75	
For Warm White Color Rendering, Add	70.48	
For Polycarbonate Lens, Add	101.48	
For 480 Volt, Add	166.01	
For >50 To 100, Deduct	-68.56	
For >100 To 250, Deduct	-132.92	
For >250 To 500, Deduct	-257.44	
For >500, Deduct	-381.97	
26 54 19 00-0012 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	2,884.00	107.41
For Ceiling Mount, Add	17.33	
For Quick Clip Mounting Option, Add	25.46	
For Frosted Lens, Add	54.75	
For Warm White Color Rendering, Add	70.48	
For Polycarbonate Lens, Add	101.48	
For 480 Volt, Add	166.01	
For >50 To 100, Deduct	-76.58	
For >100 To 250, Deduct	-148.68	
For >250 To 500, Deduct	-288.40	
For >500, Deduct	-428.12	
26 54 19 00-0013 EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	3,755.03	114.12
For Ceiling Mount, Add	17.33	
For Quick Clip Mounting Option, Add	25.46	
For Frosted Lens, Add	54.75	
For Warm White Color Rendering, Add	70.48	
For Polycarbonate Lens, Add	101.48	
For 480 Volt, Add	166.01	
For >50 To 100, Deduct	-98.63	
For >100 To 250, Deduct	-192.51	
For >250 To 500, Deduct	-375.50	
For >500, Deduct	-558.50	
26 54 19 00-0014 EA 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,307.24	120.84
For Ceiling Mount, Add	17.33	
For Quick Clip Mounting Option, Add	25.46	
For Frosted Lens, Add	54.75	
For Warm White Color Rendering, Add	70.48	
For Polycarbonate Lens, Add	101.48	
For 480 Volt, Add	166.01	
For >50 To 100, Deduct	-112.72	
For >100 To 250, Deduct	-220.40	
For >250 To 500, Deduct	-430.72	
For >500, Deduct	-641.05	
26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>		
Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017 EA 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	3,743.23	100.70
For Wall Mount, Deduct	-14.26	
For Warm Color Temperature LEDs, Add	76.86	
For Stainless Steel Guard, Add	137.97	
For Ceiling Mount, Add	166.44	
For Stanchion Mount, Add	193.71	
For Yoke Mount, Add	484.27	
For >50 To 100, Deduct	-97.78	
For >100 To 250, Deduct	-191.36	
For >250 To 500, Deduct	-374.32	
For >500, Deduct	-557.29	
26 54 19 00-0018 EA 6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	4,550.06	107.41
For Wall Mount, Deduct	-14.26	
For Warm Color Temperature LEDs, Add	76.86	
For Stainless Steel Guard, Add	137.97	
For Ceiling Mount, Add	166.44	
For Stanchion Mount, Add	193.71	
For Yoke Mount, Add	484.27	
For >50 To 100, Deduct	-118.23	
For >100 To 250, Deduct	-231.98	
For >250 To 500, Deduct	-455.01	
For >500, Deduct	-678.03	

26	Electrical
26 50	Lighting
26 54	Classified Location Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54	19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	5,284.66	114.12
			<i>For Wall Mount, Deduct</i>	-14.26	
			<i>For Warm Color Temperature LEDs, Add</i>	76.86	
			<i>For Stainless Steel Guard, Add</i>	137.97	
			<i>For Ceiling Mount, Add</i>	166.44	
			<i>For Stanchion Mount, Add</i>	193.71	
			<i>For Yoke Mount, Add</i>	484.27	
			<i>For >50 To 100, Deduct</i>	-136.87	
			<i>For >100 To 250, Deduct</i>	-268.99	
			<i>For >250 To 500, Deduct</i>	-528.47	
			<i>For >500, Deduct</i>	-787.94	
26 54	19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	6,032.75	120.84
			<i>For Wall Mount, Deduct</i>	-14.26	
			<i>For Warm Color Temperature LEDs, Add</i>	76.86	
			<i>For Stainless Steel Guard, Add</i>	137.97	
			<i>For Ceiling Mount, Add</i>	166.44	
			<i>For Stanchion Mount, Add</i>	193.71	
			<i>For Yoke Mount, Add</i>	484.27	
			<i>For >50 To 100, Deduct</i>	-155.85	
			<i>For >100 To 250, Deduct</i>	-306.67	
			<i>For >250 To 500, Deduct</i>	-603.28	
			<i>For >500, Deduct</i>	-899.88	
26 54	19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	6,989.10	116.36
			<i>For Wall Mount, Deduct</i>	-14.26	
			<i>For Warm Color Temperature LEDs, Add</i>	76.86	
			<i>For Stainless Steel Guard, Add</i>	137.97	
			<i>For Ceiling Mount, Add</i>	166.44	
			<i>For Stanchion Mount, Add</i>	193.71	
			<i>For Yoke Mount, Add</i>	484.27	
			<i>For >50 To 100, Deduct</i>	-180.04	
			<i>For >100 To 250, Deduct</i>	-354.77	
			<i>For >250 To 500, Deduct</i>	-698.91	
			<i>For >500, Deduct</i>	-1,043.05	

26 55 Special Purpose Lighting (26 50)

26 55 13 Landscape Lighting (26 55)

26 55 13 00-0001 Bollards (26 55 13)
Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards (26 55 13 00-0001)

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.48	104.08
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.73	110.20
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,611.97	116.32
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,491.02	122.44
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.48	104.08
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.73	110.20
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,611.97	116.32
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,491.02	122.44
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.48	104.08
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.73	110.20
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,611.97	116.32
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,491.02	122.44
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,587.48	104.08
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,599.73	110.20
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,611.97	116.32
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,491.02	122.44

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,526.31	104.08
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,538.56	110.20
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,550.80	116.32
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,429.30	122.44
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,526.31	104.08
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,538.56	110.20
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,550.80	116.32
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,429.30	122.44
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,526.31	104.08
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,538.56	110.20
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,550.80	116.32
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,429.30	122.44
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,526.31	104.08
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,538.56	110.20
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,550.80	116.32
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,429.30	122.44



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 13 00-0038	Metal Halide, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>	
26 55 13 00-0039	Square, Metal Halide, Aluminum Architectural Bollards <small>(26 55 13 00-0038)</small>	
26 55 13 00-0040	EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,666.89
26 55 13 00-0041	EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,679.14
26 55 13 00-0042	EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,691.38
26 55 13 00-0043	EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,569.88
26 55 13 00-0044	EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,666.89
26 55 13 00-0045	EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,679.14
26 55 13 00-0046	EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,691.38
26 55 13 00-0047	EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,569.88
26 55 13 00-0048	EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,666.89
26 55 13 00-0049	EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,679.14
26 55 13 00-0050	EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,691.38
26 55 13 00-0051	EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,636.34
26 55 13 00-0052	Round, Metal Halide, Aluminum Architectural Bollards <small>(26 55 13 00-0038)</small>	
26 55 13 00-0053	EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,605.17
26 55 13 00-0054	EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,617.42
26 55 13 00-0055	EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,629.66
26 55 13 00-0056	EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,508.16
26 55 13 00-0057	EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,605.17
26 55 13 00-0058	EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,617.42
26 55 13 00-0059	EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,629.66
26 55 13 00-0060	EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,508.16
26 55 13 00-0061	EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,605.17
26 55 13 00-0062	EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,617.42
26 55 13 00-0063	EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,629.66
26 55 13 00-0064	EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,508.16
26 55 13 00-0065	Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>	
26 55 13 00-0066	Square, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0065)</small>	
26 55 13 00-0067	EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,580.51
26 55 13 00-0068	EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,592.76
26 55 13 00-0069	EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,605.00
26 55 13 00-0070	EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.31
26 55 13 00-0071	EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,580.51
26 55 13 00-0072	EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,592.76
26 55 13 00-0073	EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,605.00
26 55 13 00-0074	EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.31
26 55 13 00-0075	EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,580.51
26 55 13 00-0076	EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,592.76
26 55 13 00-0077	EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,605.00
26 55 13 00-0078	EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,485.31
26 55 13 00-0079	Round, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0065)</small>	
26 55 13 00-0080	EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,520.14
26 55 13 00-0081	EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,532.39
26 55 13 00-0082	EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,544.63
26 55 13 00-0083	EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,426.10
26 55 13 00-0084	EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,520.14
26 55 13 00-0085	EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,532.39
26 55 13 00-0086	EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,544.63
26 55 13 00-0087	EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,426.10
26 55 13 00-0088	EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,520.14
26 55 13 00-0089	EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,532.39
26 55 13 00-0090	EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,544.63
26 55 13 00-0091	EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,426.10
26 55 13 00-0092	LED, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>	
26 55 13 00-0093	Square, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0092)</small>	
26 55 13 00-0094	EA 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,893.99
26 55 13 00-0095	EA 30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,906.24
26 55 13 00-0096	EA 36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,918.48
26 55 13 00-0097	EA 42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,800.46
26 55 13 00-0098	EA 24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,314.29
26 55 13 00-0099	EA 30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,326.54
26 55 13 00-0100	EA 36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,338.78
26 55 13 00-0101	EA 42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,218.67
26 55 13 00-0102	Round, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0092)</small>	
26 55 13 00-0103	EA 24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,831.30

26 Electrical
26 50 Lighting
 26 55 Special Purpose Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0104	EA		30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,843.55	110.20
26 55 13 00-0105	EA		36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,855.79	116.32
26 55 13 00-0106	EA		42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,735.68	122.44
26 55 13 00-0107	EA		24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,251.60	104.08
26 55 13 00-0108	EA		30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,263.85	110.20
26 55 13 00-0109	EA		36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,276.09	116.32
26 55 13 00-0110	EA		42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,156.72	122.44
26 55 13 00-0111			Reinforced Concrete Bollards <small>(26 55 13 00-0001)</small>		
26 55 13 00-0112	EA		48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,558.52	306.11
26 55 13 00-0113	EA		58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	2,746.98	408.11
26 55 13 00-0114			Low Voltage <small>(26 55 13)</small>		
26 55 13 00-0115	EA		Low Voltage Recessed Uplight.....	750.47	222.85
26 55 13 00-0116	EA		Low Voltage Walkway.....	519.68	122.44
26 55 13 00-0117	EA		Low Voltage Malibu - 5 Light Set.....	526.78	163.47
26 55 13 00-0118	EA		Low Voltage Mushroom 24" Pier.....	449.73	122.44
26 55 13 00-0119			Recessed, Adjustable <small>(26 55 13)</small>		
26 55 13 00-0120	EA		150 Watt Incandescent Recessed, Adjustable.....	856.45	195.91
26 55 13 00-0121	EA		300 Watt Incandescent Recessed, Adjustable.....	931.39	195.91
26 55 13 00-0122			Recessed, Uplight <small>(26 55 13)</small>		
26 55 13 00-0123	EA		50 Watt Incandescent Recessed Uplight.....	771.51	195.91
26 55 13 00-0124	EA		150 Watt Incandescent Recessed Uplight.....	786.50	195.91
26 55 13 00-0125	EA		300 Watt Incandescent Recessed Uplight.....	831.47	195.91
26 55 13 00-0126	EA		500 Watt Quartz Recessed Uplight.....	826.47	195.91
26 55 13 00-0127	EA		5 Watt, LED Recessed Uplight.....	1,159.06	195.91
26 55 13 00-0128	EA		15 Watt, LED Recessed Uplight.....	1,276.16	195.91
26 55 13 00-0129			Recessed Wall Light <small>(26 55 13)</small>		
26 55 13 00-0130	EA		100 Watt Incandescent Recessed Wall Light.....	404.77	122.44
26 55 13 00-0131	EA		100 Watt Fluorescent Recessed Wall Light.....	389.78	122.44
26 55 13 00-0132	EA		100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	621.71	163.47
26 55 13 00-0133			Step Lights <small>(26 55 13)</small>		
26 55 13 00-0134	EA		Incandescent Step Light.....	330.75	97.95
26 55 13 00-0135	EA		Fluorescent Step Light.....	380.77	97.95
26 55 13 00-0136	EA		5 Watt, LED Step Light.....	636.97	97.95
26 55 13 00-0137	EA		15 Watt, LED Step Light.....	761.88	97.95
26 55 13 00-0138			Tree Lights, Surface Adjustable <small>(26 55 13)</small>		
26 55 13 00-0139	EA		50 Watt Incandescent Tree Lights.....	686.66	163.47
26 55 13 00-0140	EA		100 Watt Incandescent Tree Lights.....	701.65	163.47
26 55 13 00-0141	EA		150 Watt Incandescent Tree Lights.....	889.48	244.89
26 55 16			Walkway Lighting <small>(26 55)</small>		
26 55 16 00-0001			Incandescent Walkway <small>(26 55 16)</small>		
26 55 16 00-0002	EA		Post Top 300 Watt Incandescent Walkway Fixture.....	404.75	113.87
26 55 16 00-0003			Metal Halide Walkway <small>(26 55 16)</small>		
26 55 16 00-0004	EA		Post Top 100 Watt Metal Halide Walkway Fixture.....	622.98	179.02
26 55 16 00-0005	EA		Post Top 150-175 Watt Metal Halide Walkway Fixture.....	659.05	185.51
26 55 16 00-0006	EA		Post Top 250 Watt Metal Halide Walkway Fixture.....	709.42	192.60
26 55 16 00-0007	EA		Post Top 400 Watt Metal Halide Walkway Fixture.....	760.07	208.15
26 55 16 00-0008	EA		Round Luminaries 100 Watt Metal Halide Walkway Fixture.....	678.53	192.60
26 55 16 00-0009	EA		Round Luminaries 150-175 Watt Metal Halide Walkway Fixture.....	682.41	179.02
26 55 16 00-0010	EA		Round Luminaries 250 Watt Metal Halide Walkway Fixture.....	696.14	185.51
26 55 16 00-0011	EA		Spherical 100 Watt Metal Halide Walkway Fixture.....	548.59	127.59
26 55 16 00-0012	EA		Spherical 150-175 Watt Metal Halide Walkway Fixture.....	579.48	127.59
26 55 16 00-0013	EA		Spherical 250 Watt Metal Halide Walkway Fixture.....	610.38	127.59
26 55 16 00-0014	EA		Spherical 400 Watt Metal Halide Walkway Fixture.....	689.05	143.63
26 55 16 00-0015	EA		Low Walkway 100 Watt Metal Halide Walkway Fixture.....	522.78	114.61
26 55 16 00-0016			High Pressure Sodium Walkway <small>(26 55 16)</small>		
26 55 16 00-0017	EA		Post Top 100 Watt High Pressure Sodium Walkway Fixture.....	565.02	179.02
26 55 16 00-0018	EA		Post Top 150-175 Watt High Pressure Sodium Walkway Fixture.....	596.05	185.51
26 55 16 00-0019	EA		Post Top 250 Watt High Pressure Sodium Walkway Fixture.....	638.46	192.60



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	684.91	208.15
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	614.33	192.60
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	611.45	179.02
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	625.03	185.51
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture	484.39	127.59
26 55 16 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	508.53	127.59
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture	532.66	127.59
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture	601.19	143.63
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	463.44	114.61
26 55 16 00-0029 Walkway, Adjustable (26 55 16)		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture	586.05	163.47
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture	601.29	163.47
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture	1,028.34	244.89
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	488.77	122.44
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	509.09	122.44
26 55 16 00-0035 LED Walkway (26 55 16)		
26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 55 16 00-0035)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	999.68	93.98
For Multi-Level Drive Currents, Add	267.03	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,032.10	93.98
For Multi-Level Drive Currents, Add	267.03	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,089.32	93.98
For Multi-Level Drive Currents, Add	267.03	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,133.19	93.98
For Multi-Level Drive Currents, Add	267.03	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,301.93	120.84
For Multi-Level Drive Currents, Add	267.03	
26 55 16 00-0042 Wall Mounted Walkway Lighting (26 55 16 00-0035)		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	4,472.95	
Note: Type Fixture 17 as Post		
26 55 16 00-0044 Pole Mounted Walkway Lighting (26 55 16 00-0035)		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	4,128.62	
26 55 16 00-0046 EA 12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	4,053.41	
Note: Washers and nuts included		
26 55 29 Underwater Lighting (26 55)		
26 55 29 00-0001 Underwater Lights (26 55 29)		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights	547.57	81.43
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights	607.52	81.43
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights	1,468.96	122.44
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights	572.55	81.43
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights	642.50	81.43
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent.....	1,641.06	183.66
26 55 53 Security Lighting (26 55)		
26 55 53 11 Security Flood Lighting (26 55 53)		
26 55 53 11-0001 Flood Lights (General Electric Powerflood®) (26 55 53 11)		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights (26 55 53 11-0001)		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light.....	379.89	103.29
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light.....	383.35	103.29
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light.....	389.13	103.29
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights (26 55 53 11-0002)		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light.....	517.39	103.29
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights (26 55 53 11-0001)		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0010	High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>	
26 55 53 11-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	773.43	137.71
26 55 53 11-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	778.05	137.71
26 55 53 11-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	786.14	137.71
26 55 53 11-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	877.42	137.71
26 55 53 11-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	903.99	137.71
26 55 53 11-0016	Metal Halide P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>	
26 55 53 11-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light	765.34	137.71
26 55 53 11-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light	805.78	137.71
26 55 53 11-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light	826.58	137.71
26 55 53 11-0020	PF-154 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>	
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021	High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 55 53 11-0020)</small>	
26 55 53 11-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	788.22	154.93
26 55 53 11-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	793.99	154.93
26 55 53 11-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	803.24	154.93
26 55 53 11-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	893.36	154.93
26 55 53 11-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	918.78	154.93
26 55 53 11-0027	Metal Halide PF-154 GE Flood Lights <small>(26 55 53 11-0020)</small>	
26 55 53 11-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light	781.28	154.93
26 55 53 11-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light	820.57	154.93
26 55 53 11-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light	841.37	154.93
26 55 53 11-0031	PF-400 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>	
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032	High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 55 53 11-0031)</small>	
26 55 53 11-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,060.90	154.93
26 55 53 11-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,141.78	154.93
26 55 53 11-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,136.01	154.93
26 55 53 11-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,164.89	154.93
26 55 53 11-0037	Metal Halide PF-400 GE Flood Lights <small>(26 55 53 11-0031)</small>	
26 55 53 11-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light	1,090.94	154.93
26 55 53 11-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light	1,115.21	154.93
26 55 53 11-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light	1,140.63	154.93
26 55 53 11-0041	PF-1000 (Large Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>	
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042	High Pressure Sodium PF-1000 Series GE Flood Lights <small>(26 55 53 11-0041)</small>	
26 55 53 11-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,440.81	172.14
26 55 53 11-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,440.81	172.14
26 55 53 11-0045	Metal Halide PF-1000 Series GE Flood Lights <small>(26 55 53 11-0041)</small>	
26 55 53 11-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,373.80	172.14
26 55 53 11-0047	HLU/VLU (Medium Size) FRP Series GE Flood Lights <small>(26 55 53 11-0001)</small>	
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048	High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 55 53 11-0047)</small>	
26 55 53 11-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,171.83	154.93
26 55 53 11-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,193.78	154.93
26 55 53 11-0051	Metal Halide HLU/VLU Series GE Flood Lights <small>(26 55 53 11-0047)</small>	
26 55 53 11-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,184.54	154.93
26 55 53 11-0053	Accessories For Powerflood GE Flood Lights <small>(26 55 53 11-0001)</small>	
26 55 53 11-0054 EA Wireguard For Powerflood GE Flood Light	201.74	34.43



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	116.23	34.43
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light	169.38	34.43
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	128.94	34.43
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	324.43	103.29
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	141.65	34.43
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	237.77	103.29
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	248.17	103.29
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	105.83	34.43
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	102.37	34.43
26 55 53 11-0064 Flood Lights (Lithonia Contour Series) (26 55 53 11)		
26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	711.91	137.71
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	778.63	137.71
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	843.96	137.71
26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	925.49	137.71
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	909.43	137.71
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	883.54	137.71
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	881.63	137.71
26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	918.83	137.71
26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,093.99	154.93
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,116.25	154.93
26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,043.99	154.93
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,043.99	154.93
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,078.88	154.93
26 55 53 11-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,048.47	137.71
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,081.77	137.71
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,109.60	137.71
26 55 53 11-0090 Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	1,037.33	137.71
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	1,070.68	137.71
26 55 53 11-0093 TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064)		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	2,040.21	172.14
26 55 53 11-0096 Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light	1,567.56	172.14
26 55 53 11-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,734.37	172.14
26 55 53 11-0099 Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)		

26 Electrical
26 50 Lighting
26 55 Special Purpose Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53	11-0100	EA	Wireguard For Contour Series Lithonia Flood Light.....	173.71	34.43
26 55 53	11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light.....	337.43	34.43
26 55 53	11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light.....	142.81	34.43
26 55 53	11-0103	EA	Full Visor For Contour Series Lithonia Flood Light.....	192.84	34.43
26 55 53	11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	428.95	103.29
26 55 53	11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light.....	340.42	103.29
26 55 53	11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light.....	340.42	103.29
26 55 53	11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	375.73	103.29
26 55 53	11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	166.10	34.43
26 55 53	11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	132.18	34.43
26 55 53	11-0110		Flood Lights (Eaton) (26 55 53 11)		
26 55 53	11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	1,123.10	137.71
			For NEMA Photocontrol Option (Eaton OA/RA1016), Add	59.82	
			For >50 To 100, Deduct	-34.96	
			For >100 To 250, Deduct	-63.04	
			For >250 To 500, Deduct	-112.31	
			For >500, Deduct	-161.58	
26 55 53	11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,397.25	151.65
			For >50 To 100, Deduct	-42.51	
			For >100 To 250, Deduct	-77.45	
			For >250 To 500, Deduct	-139.73	
			For >500, Deduct	-202.00	
26 55 53	11-0113		Flood Lights (Ruud) (26 55 53 11)		
26 55 53	11-0114		NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113)		
			Note: Provides conventional floodlighting, 1/2" threaded mounting knuckle.		
26 55 53	11-0115		High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53	11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	467.70	103.29
26 55 53	11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	467.70	103.29
26 55 53	11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	467.70	103.29
26 55 53	11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	467.70	103.29
26 55 53	11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	467.70	103.29
26 55 53	11-0121		Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53	11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light.....	532.41	103.29
26 55 53	11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light.....	532.41	103.29
26 55 53	11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light.....	532.41	103.29
26 55 53	11-0125		Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53	11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	400.69	103.29
26 55 53	11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	416.86	103.29
26 55 53	11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	421.48	103.29
26 55 53	11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	426.11	103.29
26 55 53	11-0130		NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113)		
			Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53	11-0131		High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53	11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	721.20	154.93
26 55 53	11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	762.80	154.93
26 55 53	11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	785.91	154.93
26 55 53	11-0135		Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53	11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	711.96	154.93
26 55 53	11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	716.58	154.93
26 55 53	11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	730.44	154.93
26 55 53	11-0139		Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53	11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light.....	695.78	154.93
26 55 53	11-0141		FS (Square) Series Ruud Flood Lights (26 55 53 11-0113)		
			Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53	11-0142		High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53	11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	843.68	154.93
26 55 53	11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	848.30	154.93
26 55 53	11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,441.97	172.14



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0146	Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)	
26 55 53 11-0147 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	843.68	154.93
26 55 53 11-0148 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	848.30	154.93
26 55 53 11-0149 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	862.17	154.93
26 55 53 11-0150 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,289.45	172.14
26 55 53 11-0151	MFS (Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)	
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152	High Pressure Sodium MFS Series Ruud Flood Lights (26 55 53 11-0151)	
26 55 53 11-0153 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	661.35	137.71
26 55 53 11-0154 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	709.88	137.71
26 55 53 11-0155 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	709.88	137.71
26 55 53 11-0156 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	709.88	137.71
26 55 53 11-0157 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	709.88	137.71
26 55 53 11-0158	Metal Halide MFS Series Ruud Flood Lights (26 55 53 11-0151)	
26 55 53 11-0159 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	726.06	137.71
26 55 53 11-0160 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	726.06	137.71
26 55 53 11-0161 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	726.06	137.71
26 55 53 11-0162 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	700.64	137.71
26 55 53 11-0163	MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)	
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164	High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)	
26 55 53 11-0165 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	719.12	137.71
26 55 53 11-0166 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	767.65	137.71
26 55 53 11-0167 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	767.65	137.71
26 55 53 11-0168 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	767.65	137.71
26 55 53 11-0169 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	767.65	137.71
26 55 53 11-0170	Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)	
26 55 53 11-0171 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	783.83	137.71
26 55 53 11-0172 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	783.83	137.71
26 55 53 11-0173 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	783.83	137.71
26 55 53 11-0174 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	758.41	137.71
26 55 53 11-0175	CF (Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)	
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176	High Pressure Sodium CF Series Ruud Flood Lights (26 55 53 11-0175)	
26 55 53 11-0177 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	952.29	154.93
26 55 53 11-0178 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	975.40	154.93
26 55 53 11-0179 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,499.74	172.14
26 55 53 11-0180	Metal Halide CF Series Ruud Flood Lights (26 55 53 11-0175)	
26 55 53 11-0181 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	901.45	154.93
26 55 53 11-0182 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	906.07	154.93
26 55 53 11-0183 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	919.94	154.93
26 55 53 11-0184 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	1,347.22	172.14
26 55 53 11-0185	CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)	
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186	High Pressure Sodium CN Series Ruud Flood Lights (26 55 53 11-0185)	
26 55 53 11-0187 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	1,231.68	172.14
26 55 53 11-0188 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,472.01	172.14
26 55 53 11-0189	Metal Halide CN Series Ruud Flood Lights (26 55 53 11-0185)	
26 55 53 11-0190 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	1,176.21	172.14
26 55 53 11-0191 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,319.49	172.14
26 55 53 11-0192	PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 55 53 11-0113)	
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193	High Pressure Sodium PM/PN Series Ruud Flood Lights (26 55 53 11-0192)	
26 55 53 11-0194 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	984.64	154.93

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0195 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,007.75	154.93
26 55 53 11-0196 Metal Halide PM/PN Series Ruud Flood Lights (26 55 53 11-0192)		
26 55 53 11-0197 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	933.80	154.93
26 55 53 11-0198 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	938.42	154.93
26 55 53 11-0199 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	952.29	154.93
26 55 53 11-0200 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,379.57	172.14
26 55 53 11-0201 Accessories For Ruud Flood Lighting (26 55 53 11-0113)		
26 55 53 11-0202 EA Wireguard For Rudd Flood Light.....	103.52	34.43
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Rudd Flood Light.....	165.92	34.43
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Rudd Flood Light.....	119.70	34.43
26 55 53 11-0205 EA Vandal Shield For Rudd Flood Light.....	142.81	34.43
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light.....	285.14	103.29
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	89.66	34.43
26 55 53 11-0208 Flood Lights (Lumark) (26 55 53 11)		
26 55 53 11-0209 QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	253.83	103.29
26 55 53 11-0211 LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208)		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	322.00	103.29
26 55 53 11-0213 Flood Lights (Kim Lighting) (26 55 53 11)		
26 55 53 11-0214 MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215 LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)		
26 55 53 11-0216 EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	540.92	42.96
For >50 To 100, Deduct	-15.67	
For >100 To 250, Deduct	-29.19	
For >250 To 500, Deduct	-54.09	
For >500, Deduct	-78.99	
26 55 53 11-0217 EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	669.17	42.96
For >50 To 100, Deduct	-18.88	
For >100 To 250, Deduct	-35.61	
For >250 To 500, Deduct	-66.92	
For >500, Deduct	-98.23	
26 55 53 11-0218 Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219 LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218)		
Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220 EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	826.75	42.96
For >50 To 100, Deduct	-22.82	
For >100 To 250, Deduct	-43.49	
For >250 To 500, Deduct	-82.68	
For >500, Deduct	-121.86	
26 55 53 11-0221 Flood Lights (CREE® BetaLED®) (26 55 53 11)		
26 55 53 11-0222 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221)		
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223 EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,293.37	124.08
For >50 To 100, Deduct	-38.54	
For >100 To 250, Deduct	-70.87	
For >250 To 500, Deduct	-129.34	
For >500, Deduct	-187.80	
26 55 53 11-0224 EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,417.78	130.98
For >50 To 100, Deduct	-41.99	
For >100 To 250, Deduct	-77.44	
For >250 To 500, Deduct	-141.78	
For >500, Deduct	-206.12	



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0225	Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	1,121.28 107.78 -33.89 -61.92 -112.13 -162.33	117.19
26 55 53 11-0227	EA 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	1,415.44 107.78 -41.59 -76.98 -141.54 -206.11	124.08
26 55 53 11-0228	EA 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	1,709.60 107.78 -49.29 -92.03 -170.96 -249.89	130.98
26 55 53 11-0229	EA 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2,116.30 107.78 -59.80 -112.71 -211.63 -310.55	137.86
26 55 53 11-0230	EA 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2,410.47 107.78 -67.50 -127.76 -241.05 -354.33	144.76
26 55 53 11-0231	EA 120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2,704.63 107.78 -75.20 -142.81 -270.46 -398.11	151.65
26 55 53 11-0232	EA 140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3,088.43 107.78 -85.14 -162.35 -308.84 -455.34	158.54
26 55 53 11-0233	EA 160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)..... <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3,382.59 107.78 -92.84 -177.40 -338.26 -499.12	165.44
26 55 53 11-0234	Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA 120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	2,592.10 22.49 50.61 56.24 67.48 67.48 101.23 146.21 188.96 -72.39 -137.19 -259.21 -381.23	151.65

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0236	EA		240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	4,408.92	186.12
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For 5,000K Color Temperature, Add</i>	56.24	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	75.31	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For 1,000mA Driver, Add</i>	188.96	
			<i>For 480 Volt, Add</i>	202.45	
			<i>For >50 To 100, Deduct</i>	-119.53	
			<i>For >100 To 250, Deduct</i>	-229.75	
			<i>For >250 To 500, Deduct</i>	-440.89	
			<i>For >500, Deduct</i>	-652.03	
26 55 53 11-0237			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221)		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA		112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,507.94	151.65
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	38.78	
			<i>For Rotated Optics, Back Light Shield, Add</i>	38.78	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-45.28	
			<i>For >100 To 250, Deduct</i>	-82.98	
			<i>For >250 To 500, Deduct</i>	-150.79	
			<i>For >500, Deduct</i>	-218.61	
26 55 53 11-0239	EA		168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,614.23	151.65
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	38.78	
			<i>For Rotated Optics, Back Light Shield, Add</i>	38.78	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	281.17	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-47.94	
			<i>For >100 To 250, Deduct</i>	-88.29	
			<i>For >250 To 500, Deduct</i>	-161.42	
			<i>For >500, Deduct</i>	-234.55	
26 55 53 11-0240	EA		223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	2,072.89	186.12
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	46.95	
			<i>For Rotated Optics, Back Light Shield, Add</i>	46.95	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-61.13	
			<i>For >100 To 250, Deduct</i>	-112.95	
			<i>For >250 To 500, Deduct</i>	-207.29	
			<i>For >500, Deduct</i>	-301.63	
26 55 53 11-0241			Flood Lights (PlanLED) (26 55 53 11)		
26 55 53 11-0242			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53 11-0243	EA		6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	662.21	124.08
			<i>For >50 To 100, Deduct</i>	-22.76	
			<i>For >100 To 250, Deduct</i>	-39.31	
			<i>For >250 To 500, Deduct</i>	-66.22	
			<i>For >500, Deduct</i>	-93.13	
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	792.77	130.98
			<i>For >50 To 100, Deduct</i>	-26.37	
			<i>For >100 To 250, Deduct</i>	-46.19	
			<i>For >250 To 500, Deduct</i>	-79.28	
			<i>For >500, Deduct</i>	-112.37	
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	915.38	141.31
			<i>For >50 To 100, Deduct</i>	-29.95	
			<i>For >100 To 250, Deduct</i>	-52.83	
			<i>For >250 To 500, Deduct</i>	-91.54	
			<i>For >500, Deduct</i>	-130.24	
26 55 53 11-0246			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0247 EA 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,857.30	275.73
For 0 To 10 Volt Dimming, Add	91.72	
For >50 To 100, Deduct	-60.22	
For >100 To 250, Deduct	-106.65	
For >250 To 500, Deduct	-185.73	
For >500, Deduct	-264.81	
26 55 53 11-0248 EA 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,887.10	275.73
For 0 To 10 Volt Dimming, Add	91.72	
For >50 To 100, Deduct	-85.96	
For >100 To 250, Deduct	-158.14	
For >250 To 500, Deduct	-288.71	
For >500, Deduct	-419.28	
26 55 53 11-0249 EA 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,103.84	275.73
For 0 To 10 Volt Dimming, Add	91.72	
For >50 To 100, Deduct	-141.38	
For >100 To 250, Deduct	-268.98	
For >250 To 500, Deduct	-510.38	
For >500, Deduct	-751.79	
26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 55 53 11-0241)</small>		
26 55 53 11-0251 EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,647.30	179.23
For 0 To 10 Volt Dimming, Add	91.72	
For 480 Volt, Add	138.02	
For >50 To 100, Deduct	-50.14	
For >100 To 250, Deduct	-91.33	
For >250 To 500, Deduct	-164.73	
For >500, Deduct	-238.13	
26 55 53 11-0252 EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,111.23	186.12
For 0 To 10 Volt Dimming, Add	91.72	
For 480 Volt, Add	111.45	
For >50 To 100, Deduct	-62.09	
For >100 To 250, Deduct	-114.87	
For >250 To 500, Deduct	-211.12	
For >500, Deduct	-307.38	
26 55 53 11-0253 EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,696.19	193.01
For 0 To 10 Volt Dimming, Add	91.72	
For 480 Volt, Add	90.35	
For >50 To 100, Deduct	-77.06	
For >100 To 250, Deduct	-144.46	
For >250 To 500, Deduct	-269.62	
For >500, Deduct	-394.78	
26 55 53 12 Security Hazardous Location Flood Lights <small>(26 55 53)</small>		
Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001 Lithonia Hazardous Location Flood Lights <small>(26 55 53 12)</small>		
26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small>		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small>		
26 55 53 12-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,038.74	137.71
26 55 53 12-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,110.38	137.71
26 55 53 12-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,041.05	137.71
26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small>		
26 55 53 12-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,102.73	137.71
26 55 53 12-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,068.79	137.71
26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small>		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	989.50	137.71
26 55 53 12-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,032.25	137.71
26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	873.95	137.71

26	26 Electrical
	26 50 Lighting
	26 55 Special Purpose Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 12-0016	HFA (Large) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017	High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0018	EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,400.37	172.14
26 55 53 12-0019	EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,421.17	172.14
26 55 53 12-0020	Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0021	EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,393.44	172.14
26 55 53 12-0022	EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,421.17	172.14
26 55 53 12-0023	HFL (Medium) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024	High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025	EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,037.79	154.93
26 55 53 12-0026	Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027	EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,118.68	154.93
26 55 53 12-0028	Accessories For Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13	Security High Performance Flood Lights <small>(26 55 53)</small> Note: For airport aprons and parking areas.		
26 55 53 13-0001	Lithonia High Performance Flood Lights <small>(26 55 53 13)</small>		
26 55 53 13-0002	170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003	High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004	EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,421.31	206.57
26 55 53 13-0005	EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,610.81	206.57
26 55 53 13-0006	EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,620.05	206.57
26 55 53 13-0007	EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,908.91	206.57
26 55 53 13-0008	Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009	EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,788.75	206.57
26 55 53 13-0010	EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,660.61	206.57
26 55 53 13-0011	EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,539.17	206.57
26 55 53 13-0012	EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,659.33	206.57
26 55 53 13-0013	Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
26 55 61	Theatrical Lighting <small>(26 55)</small>		
26 55 61 00-0001	Stage Lighting <small>(26 55 61)</small>		
26 55 61 00-0002	EA Ellipsoidal Spotlight, Two 6" x 9" Lenses	646.31	148.81
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.			
26 55 61 00-0003	EA Ellipsoidal Spotlight, Two 6" x 12" Lenses	646.31	148.81
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.			
26 55 61 00-0004	EA Ellipsoidal Spotlight, Two 6" x 16" Lenses	646.31	148.81
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.			
26 55 61 00-0005	EA 14" Scoop Floodlight Altman #SC14	667.08	148.81
26 55 61 00-0006	EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak1	526.43	148.81
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.			
26 55 61 00-0007	EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak	862.05	148.81
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.			
26 55 61 00-0008	EA Follow Spotlight With Steel Chassis And Lightweight	2,260.02	148.81
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.			



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0009	EA		Follow Spotlight With Steel Chassis And Lightweight..... Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowsler, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,722.91	148.81
26 55 61 00-0010	EA		300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel..... Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	479.85	148.81
26 55 61 00-0011	EA		6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,721.52	148.81
26 55 61 00-0012	EA		1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S).....	2,934.50	148.81
26 55 68 Athletic Field Lighting (26 55)					
26 55 68 00-0001			Sports Lighting System (26 55 68) Note: Musco.		
26 55 68 00-0002			Round Steel Tapered Poles (26 55 68 00-0001) Note: With Internal wiring harness.		
26 55 68 00-0003	EA		20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,095.32	661.02
26 55 68 00-0004	EA		25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,927.56	798.74
26 55 68 00-0005	EA		30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,557.43	867.59
26 55 68 00-0006	EA		35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	6,082.50	902.02
26 55 68 00-0007	EA		40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,652.94	936.45
26 55 68 00-0008	EA		45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,775.06	1,143.02
26 55 68 00-0009	EA		50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,431.90	1,211.88
26 55 68 00-0010	EA		55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	10,714.13	1,377.13
26 55 68 00-0011	EA		60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	12,165.88	1,549.27
26 55 68 00-0012	EA		65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	13,431.82	1,697.74
26 55 68 00-0013	EA		70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	14,644.58	1,897.48
26 55 68 00-0014	EA		75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	15,958.54	2,130.49
26 55 68 00-0015	EA		80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	17,879.58	2,563.25
26 55 68 00-0016			Steel Pole Brackets (26 55 68 00-0001)		
26 55 68 00-0017	EA		Two Light Bracket.....	728.31	68.86
26 55 68 00-0018	EA		Three Light Bracket.....	914.45	96.40
26 55 68 00-0019	EA		Four Light Bracket.....	1,325.12	117.05
26 55 68 00-0020	EA		Five Light Bracket.....	1,506.92	137.71
26 55 68 00-0021	EA		Six Light Bracket.....	1,830.32	158.37
26 55 68 00-0022	EA		Seven Light Bracket.....	2,095.92	179.03
26 55 68 00-0023	EA		Eight Light Bracket.....	2,397.77	206.57
26 55 68 00-0024	EA		Nine Light Bracket.....	2,710.59	227.23
26 55 68 00-0025			Light Fixtures (26 55 68 00-0001)		
26 55 68 00-0026	EA		120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug..... <i>For 1,500 Watt Metal Halide Lamp, Add</i>	1,416.66 15.16	
26 55 68 00-0027			Electrical Component Enclosure (26 55 68 00-0001) Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA		Electrical Component Enclosure For 2 Lights, Pole Mounted.....	1,016.16	79.59
26 55 68 00-0029	EA		Electrical Component Enclosure For 3 Lights, Pole Mounted.....	1,524.65	122.44
26 55 68 00-0030	EA		Electrical Component Enclosure For 4 Lights, Pole Mounted.....	1,749.51	153.05
26 55 68 00-0031	EA		Electrical Component Enclosure For 5 Lights, Pole Mounted.....	2,262.49	171.42
26 55 68 00-0032	EA		Electrical Component Enclosure For 6 Lights, Pole Mounted.....	2,544.48	183.66
26 55 68 00-0033			Accessories (26 55 68 00-0001)		
26 55 68 00-0034	EA		Time Delay Kit (Musco®).....	1,025.84	245.49
26 55 68 00-0035	EA		Remote Switch Box Push Button (Musco®).....	2,095.59	245.49
26 55 68 00-0036	EA		Push Button Strobe Kit (Musco®).....	2,523.49	245.49
26 55 68 00-0037	EA		Additional Control-Link Unit (Musco®).....	12,170.38	736.45
26 55 68 00-0038	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	1,314.64	122.44
26 55 68 00-0039	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	1,559.53	244.89
26 56 Exterior Lighting (26 50)					
26 56 13			Lighting Poles and Standards (26 56)		
26 56 13 00-0001			Poles And Standards (26 56 13) See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002			Roadway Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0003			Steel Roadway Light Poles (26 56 13 00-0002) Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0004			Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005			Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006			Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,169.32	413.14
			<i>For Galvanized Finish, Add</i>	70.29	
			<i>For >10 To 20, Deduct</i>	-79.23	
			<i>For >20 To 40, Deduct</i>	-158.47	
			<i>For >40, Deduct</i>	-258.36	
26 56 13 00-0008	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,175.10	413.14
			<i>For Galvanized Finish, Add</i>	70.46	
			<i>For >10 To 20, Deduct</i>	-79.38	
			<i>For >20 To 40, Deduct</i>	-158.76	
			<i>For >40, Deduct</i>	-258.79	
26 56 13 00-0009	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,484.85	550.86
			<i>For Galvanized Finish, Add</i>	71.49	
			<i>For >10 To 20, Deduct</i>	-87.12	
			<i>For >20 To 40, Deduct</i>	-174.24	
			<i>For >40, Deduct</i>	-288.91	
26 56 13 00-0010	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,554.49	550.86
			<i>For Galvanized Finish, Add</i>	73.58	
			<i>For >10 To 20, Deduct</i>	-88.86	
			<i>For >20 To 40, Deduct</i>	-177.72	
			<i>For >40, Deduct</i>	-294.13	
26 56 13 00-0011	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,624.12	550.86
			<i>For Galvanized Finish, Add</i>	75.67	
			<i>For >10 To 20, Deduct</i>	-90.60	
			<i>For >20 To 40, Deduct</i>	-181.21	
			<i>For >40, Deduct</i>	-299.35	
26 56 13 00-0012	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,776.51	619.71
			<i>For Galvanized Finish, Add</i>	76.11	
			<i>For >10 To 20, Deduct</i>	-94.41	
			<i>For >20 To 40, Deduct</i>	-188.83	
			<i>For >40, Deduct</i>	-314.22	
26 56 13 00-0013	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,809.53	619.71
			<i>For Galvanized Finish, Add</i>	77.10	
			<i>For >10 To 20, Deduct</i>	-95.24	
			<i>For >20 To 40, Deduct</i>	-190.48	
			<i>For >40, Deduct</i>	-316.70	
26 56 13 00-0014	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,815.81	619.71
			<i>For Galvanized Finish, Add</i>	77.29	
			<i>For >10 To 20, Deduct</i>	-95.40	
			<i>For >20 To 40, Deduct</i>	-190.79	
			<i>For >40, Deduct</i>	-317.17	
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,001.88	654.14
			<i>For Galvanized Finish, Add</i>	80.81	
			<i>For >10 To 20, Deduct</i>	-100.05	
			<i>For >20 To 40, Deduct</i>	-200.09	
			<i>For >40, Deduct</i>	-332.85	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,026.82	654.14
			<i>For Galvanized Finish, Add</i>	81.56	
			<i>For >10 To 20, Deduct</i>	-100.67	
			<i>For >20 To 40, Deduct</i>	-201.34	
			<i>For >40, Deduct</i>	-334.72	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,054.05	654.14
			<i>For Galvanized Finish, Add</i>	82.37	
			<i>For >10 To 20, Deduct</i>	-101.35	
			<i>For >20 To 40, Deduct</i>	-202.70	
			<i>For >40, Deduct</i>	-336.76	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,610.75	688.57
			<i>For Galvanized Finish, Add</i>	97.01	
			<i>For >10 To 20, Deduct</i>	-115.27	
			<i>For >20 To 40, Deduct</i>	-230.54	
			<i>For >40, Deduct</i>	-380.23	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,619.63	688.57
			<i>For Galvanized Finish, Add</i>	97.28	
			<i>For >10 To 20, Deduct</i>	-115.49	
			<i>For >20 To 40, Deduct</i>	-230.98	
			<i>For >40, Deduct</i>	-380.90	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0020 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,628.41 97.54 -115.71 -231.42 -381.56	688.57
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0022 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,939.04 89.25 -98.48 -196.95 -319.53	482.00
26 56 13 00-0023 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,010.68 90.37 -100.27 -200.53 -325.76	499.21
26 56 13 00-0024 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,073.14 91.21 -101.83 -203.66 -331.31	516.43
26 56 13 00-0025 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,973.24 82.01 -99.33 -198.66 -328.98	619.71
26 56 13 00-0026 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,022.44 82.46 -100.56 -201.12 -333.53	636.93
26 56 13 00-0027 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,062.83 82.64 -101.57 -203.14 -337.42	654.14
26 56 13 00-0028 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,293.31 87.49 -107.33 -214.67 -356.43	688.57
26 56 13 00-0029 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,336.72 87.75 -108.42 -216.84 -360.54	705.78
26 56 13 00-0030 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,376.83 87.93 -109.42 -218.84 -364.41	723.00
26 56 13 00-0031 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,553.21 93.22 -113.83 -227.66 -377.64	723.00
26 56 13 00-0032 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,626.25 94.37 -115.66 -231.31 -383.98	740.21
26 56 13 00-0033 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,697.30 95.47 -117.43 -234.87 -390.17	757.43



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base		5,127.77	757.43
		<i>For Galvanized Finish, Add</i>		108.39	
		<i>For >10 To 20, Deduct</i>		-128.19	
		<i>For >20 To 40, Deduct</i>		-256.39	
		<i>For >40, Deduct</i>		-422.45	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base		5,167.98	774.64
		<i>For Galvanized Finish, Add</i>		108.56	
		<i>For >10 To 20, Deduct</i>		-129.20	
		<i>For >20 To 40, Deduct</i>		-258.40	
		<i>For >40, Deduct</i>		-426.33	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base		5,208.40	791.86
		<i>For Galvanized Finish, Add</i>		108.74	
		<i>For >10 To 20, Deduct</i>		-130.21	
		<i>For >20 To 40, Deduct</i>		-260.42	
		<i>For >40, Deduct</i>		-430.22	
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0005)</small>					
26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		4,657.84	688.57
		<i>For Galvanized Finish, Add</i>		98.42	
		<i>For >10 To 20, Deduct</i>		-116.45	
		<i>For >20 To 40, Deduct</i>		-232.89	
		<i>For >40, Deduct</i>		-383.77	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		4,732.59	723.00
		<i>For Galvanized Finish, Add</i>		98.60	
		<i>For >10 To 20, Deduct</i>		-118.31	
		<i>For >20 To 40, Deduct</i>		-236.63	
		<i>For >40, Deduct</i>		-391.09	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base		4,816.11	757.43
		<i>For Galvanized Finish, Add</i>		99.04	
		<i>For >10 To 20, Deduct</i>		-120.40	
		<i>For >20 To 40, Deduct</i>		-240.81	
		<i>For >40, Deduct</i>		-399.08	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		4,942.61	757.43
		<i>For Galvanized Finish, Add</i>		102.83	
		<i>For >10 To 20, Deduct</i>		-123.57	
		<i>For >20 To 40, Deduct</i>		-247.13	
		<i>For >40, Deduct</i>		-408.57	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		5,020.14	791.86
		<i>For Galvanized Finish, Add</i>		103.09	
		<i>For >10 To 20, Deduct</i>		-125.50	
		<i>For >20 To 40, Deduct</i>		-251.01	
		<i>For >40, Deduct</i>		-416.10	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base		5,094.89	826.28
		<i>For Galvanized Finish, Add</i>		103.27	
		<i>For >10 To 20, Deduct</i>		-127.37	
		<i>For >20 To 40, Deduct</i>		-254.74	
		<i>For >40, Deduct</i>		-423.43	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		5,252.29	791.86
		<i>For Galvanized Finish, Add</i>		110.06	
		<i>For >10 To 20, Deduct</i>		-131.31	
		<i>For >20 To 40, Deduct</i>		-262.61	
		<i>For >40, Deduct</i>		-433.51	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base		5,327.04	826.28
		<i>For Galvanized Finish, Add</i>		110.23	
		<i>For >10 To 20, Deduct</i>		-133.18	
		<i>For >20 To 40, Deduct</i>		-266.35	
		<i>For >40, Deduct</i>		-440.84	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base		5,401.78	860.71
		<i>For Galvanized Finish, Add</i>		110.41	
		<i>For >10 To 20, Deduct</i>		-135.04	
		<i>For >20 To 40, Deduct</i>		-270.09	
		<i>For >40, Deduct</i>		-448.17	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base		5,644.78	826.28
		<i>For Galvanized Finish, Add</i>		119.77	
		<i>For >10 To 20, Deduct</i>		-141.12	
		<i>For >20 To 40, Deduct</i>		-282.24	
		<i>For >40, Deduct</i>		-464.67	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,719.23	860.71
			<i>For Galvanized Finish, Add</i>	119.93	
			<i>For >10 To 20, Deduct</i>	-142.98	
			<i>For >20 To 40, Deduct</i>	-285.96	
			<i>For >40, Deduct</i>	-471.98	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,799.85	895.14
			<i>For Galvanized Finish, Add</i>	120.29	
			<i>For >10 To 20, Deduct</i>	-145.00	
			<i>For >20 To 40, Deduct</i>	-289.99	
			<i>For >40, Deduct</i>	-479.75	
26 56 13 00-0050			Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms		
			<i>(26 56 13 00-0005)</i>		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,177.76	757.43
			<i>For Galvanized Finish, Add</i>	109.89	
			<i>For >10 To 20, Deduct</i>	-129.44	
			<i>For >20 To 40, Deduct</i>	-258.89	
			<i>For >40, Deduct</i>	-426.20	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,289.81	809.07
			<i>For Galvanized Finish, Add</i>	110.15	
			<i>For >10 To 20, Deduct</i>	-132.25	
			<i>For >20 To 40, Deduct</i>	-264.49	
			<i>For >40, Deduct</i>	-437.19	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,398.89	860.71
			<i>For Galvanized Finish, Add</i>	110.32	
			<i>For >10 To 20, Deduct</i>	-134.97	
			<i>For >20 To 40, Deduct</i>	-269.94	
			<i>For >40, Deduct</i>	-447.95	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,498.53	826.28
			<i>For Galvanized Finish, Add</i>	115.38	
			<i>For >10 To 20, Deduct</i>	-137.46	
			<i>For >20 To 40, Deduct</i>	-274.93	
			<i>For >40, Deduct</i>	-453.70	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,608.01	877.93
			<i>For Galvanized Finish, Add</i>	115.56	
			<i>For >10 To 20, Deduct</i>	-140.20	
			<i>For >20 To 40, Deduct</i>	-280.40	
			<i>For >40, Deduct</i>	-464.50	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,683.55	929.57
			<i>For Galvanized Finish, Add</i>	114.73	
			<i>For >10 To 20, Deduct</i>	-142.09	
			<i>For >20 To 40, Deduct</i>	-284.18	
			<i>For >40, Deduct</i>	-472.74	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,901.50	860.71
			<i>For Galvanized Finish, Add</i>	125.40	
			<i>For >10 To 20, Deduct</i>	-147.54	
			<i>For >20 To 40, Deduct</i>	-295.08	
			<i>For >40, Deduct</i>	-485.65	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,050.67	912.36
			<i>For Galvanized Finish, Add</i>	126.78	
			<i>For >10 To 20, Deduct</i>	-151.27	
			<i>For >20 To 40, Deduct</i>	-302.53	
			<i>For >40, Deduct</i>	-499.42	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,122.93	964.00
			<i>For Galvanized Finish, Add</i>	125.85	
			<i>For >10 To 20, Deduct</i>	-153.07	
			<i>For >20 To 40, Deduct</i>	-306.15	
			<i>For >40, Deduct</i>	-507.42	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,161.49	895.14
			<i>For Galvanized Finish, Add</i>	131.14	
			<i>For >10 To 20, Deduct</i>	-154.04	
			<i>For >20 To 40, Deduct</i>	-308.07	
			<i>For >40, Deduct</i>	-506.87	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,270.57	946.78
			<i>For Galvanized Finish, Add</i>	131.31	
			<i>For >10 To 20, Deduct</i>	-156.76	
			<i>For >20 To 40, Deduct</i>	-313.53	
			<i>For >40, Deduct</i>	-517.63	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,382.64	998.43
			<i>For Galvanized Finish, Add</i>	131.57	
			<i>For >10 To 20, Deduct</i>	-159.57	
			<i>For >20 To 40, Deduct</i>	-319.13	
			<i>For >40, Deduct</i>	-528.62	
26 56	13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56	13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56	13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,700.34	550.86
			<i>For Galvanized Finish, Add</i>	77.96	
			<i>For >10 To 20, Deduct</i>	-92.51	
			<i>For >20 To 40, Deduct</i>	-185.02	
			<i>For >40, Deduct</i>	-305.07	
26 56	13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,186.34	619.71
			<i>For Galvanized Finish, Add</i>	88.41	
			<i>For >10 To 20, Deduct</i>	-104.66	
			<i>For >20 To 40, Deduct</i>	-209.32	
			<i>For >40, Deduct</i>	-344.96	
26 56	13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,303.66	654.14
			<i>For Galvanized Finish, Add</i>	89.86	
			<i>For >10 To 20, Deduct</i>	-107.59	
			<i>For >20 To 40, Deduct</i>	-215.18	
			<i>For >40, Deduct</i>	-355.48	
26 56	13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	5,116.35	688.57
			<i>For Galvanized Finish, Add</i>	112.18	
			<i>For >10 To 20, Deduct</i>	-127.91	
			<i>For >20 To 40, Deduct</i>	-255.82	
			<i>For >40, Deduct</i>	-418.15	
26 56	13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56	13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56	13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,740.57	550.86
			<i>For Galvanized Finish, Add</i>	109.17	
			<i>For >10 To 20, Deduct</i>	-118.51	
			<i>For >20 To 40, Deduct</i>	-237.03	
			<i>For >40, Deduct</i>	-383.09	
26 56	13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,785.17	550.86
			<i>For Galvanized Finish, Add</i>	110.50	
			<i>For >10 To 20, Deduct</i>	-119.63	
			<i>For >20 To 40, Deduct</i>	-239.26	
			<i>For >40, Deduct</i>	-386.43	
26 56	13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,805.52	550.86
			<i>For Galvanized Finish, Add</i>	111.11	
			<i>For >10 To 20, Deduct</i>	-120.14	
			<i>For >20 To 40, Deduct</i>	-240.28	
			<i>For >40, Deduct</i>	-387.96	
26 56	13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,922.89	619.71
			<i>For Galvanized Finish, Add</i>	110.50	
			<i>For >10 To 20, Deduct</i>	-123.07	
			<i>For >20 To 40, Deduct</i>	-246.14	
			<i>For >40, Deduct</i>	-400.20	
26 56	13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,930.67	619.71
			<i>For Galvanized Finish, Add</i>	110.74	
			<i>For >10 To 20, Deduct</i>	-123.27	
			<i>For >20 To 40, Deduct</i>	-246.53	
			<i>For >40, Deduct</i>	-400.79	
26 56	13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,011.08	619.71
			<i>For Galvanized Finish, Add</i>	113.15	
			<i>For >10 To 20, Deduct</i>	-125.28	
			<i>For >20 To 40, Deduct</i>	-250.55	
			<i>For >40, Deduct</i>	-406.82	
26 56	13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,018.16	654.14
			<i>For Galvanized Finish, Add</i>	111.30	
			<i>For >10 To 20, Deduct</i>	-125.45	
			<i>For >20 To 40, Deduct</i>	-250.91	
			<i>For >40, Deduct</i>	-409.07	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0078 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,065.25 112.71 -126.63 -253.26 -412.60	654.14
26 56 13 00-0079 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,312.17 120.12 -132.80 -265.61 -431.12	654.14
26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0069)</small>		
26 56 13 00-0081 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,202.38 144.76 -155.06 -310.12 -499.61	688.57
26 56 13 00-0082 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,313.94 146.04 -157.85 -315.70 -509.70	723.00
26 56 13 00-0083 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,550.40 151.07 -163.76 -327.52 -529.15	757.43
26 56 13 00-0084 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,315.36 144.02 -157.88 -315.77 -511.52	757.43
26 56 13 00-0085 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,604.78 150.63 -165.12 -330.24 -534.95	791.86
26 56 13 00-0086 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,782.18 153.89 -169.55 -339.11 -549.98	826.28
26 56 13 00-0087 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,507.41 147.71 -162.69 -325.37 -527.65	791.86
26 56 13 00-0088 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,890.93 157.15 -172.27 -344.55 -558.13	826.28
26 56 13 00-0089 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,121.40 162.00 -178.04 -356.07 -577.14	860.71
26 56 13 00-0090 Aluminum Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,865.36		413.14
		<i>For >10 To 20, Deduct</i>	-71.63		
		<i>For >20 To 40, Deduct</i>	-143.27		
		<i>For >40, Deduct</i>	-235.56		
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,890.04		413.14
		<i>For >10 To 20, Deduct</i>	-72.25		
		<i>For >20 To 40, Deduct</i>	-144.50		
		<i>For >40, Deduct</i>	-237.41		
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,513.38		550.86
		<i>For >10 To 20, Deduct</i>	-87.83		
		<i>For >20 To 40, Deduct</i>	-175.67		
		<i>For >40, Deduct</i>	-291.05		
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,560.01		550.86
		<i>For >10 To 20, Deduct</i>	-89.00		
		<i>For >20 To 40, Deduct</i>	-178.00		
		<i>For >40, Deduct</i>	-294.54		
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,602.91		550.86
		<i>For >10 To 20, Deduct</i>	-90.07		
		<i>For >20 To 40, Deduct</i>	-180.15		
		<i>For >40, Deduct</i>	-297.76		
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,032.69		619.71
		<i>For >10 To 20, Deduct</i>	-100.82		
		<i>For >20 To 40, Deduct</i>	-201.63		
		<i>For >40, Deduct</i>	-333.44		
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,072.04		619.71
		<i>For >10 To 20, Deduct</i>	-101.80		
		<i>For >20 To 40, Deduct</i>	-203.60		
		<i>For >40, Deduct</i>	-336.39		
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,116.05		619.71
		<i>For >10 To 20, Deduct</i>	-102.90		
		<i>For >20 To 40, Deduct</i>	-205.80		
		<i>For >40, Deduct</i>	-339.69		
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,724.10		654.14
		<i>For >10 To 20, Deduct</i>	-118.10		
		<i>For >20 To 40, Deduct</i>	-236.21		
		<i>For >40, Deduct</i>	-387.01		
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,763.35		654.14
		<i>For >10 To 20, Deduct</i>	-119.08		
		<i>For >20 To 40, Deduct</i>	-238.17		
		<i>For >40, Deduct</i>	-389.96		
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,796.23		654.14
		<i>For >10 To 20, Deduct</i>	-119.91		
		<i>For >20 To 40, Deduct</i>	-239.81		
		<i>For >40, Deduct</i>	-392.42		
26 56 13 00-0105		Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>			
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,283.30		482.00
		<i>For >10 To 20, Deduct</i>	-82.08		
		<i>For >20 To 40, Deduct</i>	-164.17		
		<i>For >40, Deduct</i>	-270.35		
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,525.19		482.00
		<i>For >10 To 20, Deduct</i>	-88.13		
		<i>For >20 To 40, Deduct</i>	-176.26		
		<i>For >40, Deduct</i>	-288.49		
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,641.19		516.43
		<i>For >10 To 20, Deduct</i>	-91.03		
		<i>For >20 To 40, Deduct</i>	-182.06		
		<i>For >40, Deduct</i>	-298.91		
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,918.07		619.71
		<i>For >10 To 20, Deduct</i>	-97.95		
		<i>For >20 To 40, Deduct</i>	-195.90		
		<i>For >40, Deduct</i>	-324.84		
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,106.47		636.93
		<i>For >10 To 20, Deduct</i>	-102.66		
		<i>For >20 To 40, Deduct</i>	-205.32		
		<i>For >40, Deduct</i>	-339.83		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0111	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,378.12	654.14
			<i>For >10 To 20, Deduct</i>	-109.45	
			<i>For >20 To 40, Deduct</i>	-218.91	
			<i>For >40, Deduct</i>	-361.07	
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,522.14	688.57
			<i>For >10 To 20, Deduct</i>	-113.05	
			<i>For >20 To 40, Deduct</i>	-226.11	
			<i>For >40, Deduct</i>	-373.59	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,699.42	705.78
			<i>For >10 To 20, Deduct</i>	-117.49	
			<i>For >20 To 40, Deduct</i>	-234.97	
			<i>For >40, Deduct</i>	-387.75	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,915.74	723.00
			<i>For >10 To 20, Deduct</i>	-122.89	
			<i>For >20 To 40, Deduct</i>	-245.79	
			<i>For >40, Deduct</i>	-404.83	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,129.70	723.00
			<i>For >10 To 20, Deduct</i>	-128.24	
			<i>For >20 To 40, Deduct</i>	-256.49	
			<i>For >40, Deduct</i>	-420.88	
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,609.46	740.21
			<i>For >10 To 20, Deduct</i>	-140.24	
			<i>For >20 To 40, Deduct</i>	-280.47	
			<i>For >40, Deduct</i>	-457.72	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	6,167.42	757.43
			<i>For >10 To 20, Deduct</i>	-154.19	
			<i>For >20 To 40, Deduct</i>	-308.37	
			<i>For >40, Deduct</i>	-500.43	
26 56 13 00-0118			Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,810.40	550.86
			<i>For >10 To 20, Deduct</i>	-95.26	
			<i>For >20 To 40, Deduct</i>	-190.52	
			<i>For >40, Deduct</i>	-313.32	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,074.91	585.29
			<i>For >10 To 20, Deduct</i>	-101.87	
			<i>For >20 To 40, Deduct</i>	-203.75	
			<i>For >40, Deduct</i>	-334.88	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,633.52	688.57
			<i>For >10 To 20, Deduct</i>	-115.84	
			<i>For >20 To 40, Deduct</i>	-231.68	
			<i>For >40, Deduct</i>	-381.94	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,831.77	723.00
			<i>For >10 To 20, Deduct</i>	-120.79	
			<i>For >20 To 40, Deduct</i>	-241.59	
			<i>For >40, Deduct</i>	-398.53	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,060.17	757.43
			<i>For >10 To 20, Deduct</i>	-126.50	
			<i>For >20 To 40, Deduct</i>	-253.01	
			<i>For >40, Deduct</i>	-417.38	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,240.40	791.86
			<i>For >10 To 20, Deduct</i>	-131.01	
			<i>For >20 To 40, Deduct</i>	-262.02	
			<i>For >40, Deduct</i>	-432.62	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,472.07	791.86
			<i>For >10 To 20, Deduct</i>	-136.80	
			<i>For >20 To 40, Deduct</i>	-273.60	
			<i>For >40, Deduct</i>	-450.00	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,952.06	826.28
			<i>For >10 To 20, Deduct</i>	-148.80	
			<i>For >20 To 40, Deduct</i>	-297.60	
			<i>For >40, Deduct</i>	-487.72	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	11,425.00	860.71
			<i>For >10 To 20, Deduct</i>	-285.63	
			<i>For >20 To 40, Deduct</i>	-571.25	
			<i>For >40, Deduct</i>	-899.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0128			Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,947.51	619.71
			<i>For >10 To 20, Deduct</i>	-98.69	
			<i>For >20 To 40, Deduct</i>	-197.38	
			<i>For >40, Deduct</i>	-327.05	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,095.62	619.71
			<i>For >10 To 20, Deduct</i>	-102.39	
			<i>For >20 To 40, Deduct</i>	-204.78	
			<i>For >40, Deduct</i>	-338.16	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,069.38	757.43
			<i>For >10 To 20, Deduct</i>	-126.73	
			<i>For >20 To 40, Deduct</i>	-253.47	
			<i>For >40, Deduct</i>	-418.07	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,488.39	809.07
			<i>For >10 To 20, Deduct</i>	-137.21	
			<i>For >20 To 40, Deduct</i>	-274.42	
			<i>For >40, Deduct</i>	-452.08	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,724.54	826.28
			<i>For >10 To 20, Deduct</i>	-143.11	
			<i>For >20 To 40, Deduct</i>	-286.23	
			<i>For >40, Deduct</i>	-470.65	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,110.79	877.93
			<i>For >10 To 20, Deduct</i>	-152.77	
			<i>For >20 To 40, Deduct</i>	-305.54	
			<i>For >40, Deduct</i>	-502.21	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,028.21	860.71
			<i>For >10 To 20, Deduct</i>	-150.71	
			<i>For >20 To 40, Deduct</i>	-301.41	
			<i>For >40, Deduct</i>	-495.15	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,856.54	912.36
			<i>For >10 To 20, Deduct</i>	-171.41	
			<i>For >20 To 40, Deduct</i>	-342.83	
			<i>For >40, Deduct</i>	-559.86	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	7,588.87	964.00
			<i>For >10 To 20, Deduct</i>	-189.72	
			<i>For >20 To 40, Deduct</i>	-379.44	
			<i>For >40, Deduct</i>	-617.37	
26 56 13 00-0138			Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139			Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,198.67	550.86
			<i>For >10 To 20, Deduct</i>	-104.97	
			<i>For >20 To 40, Deduct</i>	-209.93	
			<i>For >40, Deduct</i>	-342.44	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,231.65	550.86
			<i>For >10 To 20, Deduct</i>	-105.79	
			<i>For >20 To 40, Deduct</i>	-211.58	
			<i>For >40, Deduct</i>	-344.92	
26 56 13 00-0142	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,315.92	550.86
			<i>For >10 To 20, Deduct</i>	-107.90	
			<i>For >20 To 40, Deduct</i>	-215.80	
			<i>For >40, Deduct</i>	-351.24	
26 56 13 00-0143	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,442.37	550.86
			<i>For >10 To 20, Deduct</i>	-111.06	
			<i>For >20 To 40, Deduct</i>	-222.12	
			<i>For >40, Deduct</i>	-360.72	
26 56 13 00-0144	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,727.39	619.71
			<i>For >10 To 20, Deduct</i>	-118.18	
			<i>For >20 To 40, Deduct</i>	-236.37	
			<i>For >40, Deduct</i>	-385.54	
26 56 13 00-0145	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,801.75	619.71
			<i>For >10 To 20, Deduct</i>	-120.04	
			<i>For >20 To 40, Deduct</i>	-240.09	
			<i>For >40, Deduct</i>	-391.12	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,881.06	619.71
			<i>For >10 To 20, Deduct</i>	-122.03	
			<i>For >20 To 40, Deduct</i>	-244.05	
			<i>For >40, Deduct</i>	-397.07	
26 56	13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,359.47	619.71
			<i>For >10 To 20, Deduct</i>	-133.99	
			<i>For >20 To 40, Deduct</i>	-267.97	
			<i>For >40, Deduct</i>	-432.95	
26 56	13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	5,136.45	654.14
			<i>For >10 To 20, Deduct</i>	-128.41	
			<i>For >20 To 40, Deduct</i>	-256.82	
			<i>For >40, Deduct</i>	-417.94	
26 56	13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,750.32	654.14
			<i>For >10 To 20, Deduct</i>	-143.76	
			<i>For >20 To 40, Deduct</i>	-287.52	
			<i>For >40, Deduct</i>	-463.98	
26 56	13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,810.10	654.14
			<i>For >10 To 20, Deduct</i>	-145.25	
			<i>For >20 To 40, Deduct</i>	-290.51	
			<i>For >40, Deduct</i>	-468.46	
26 56	13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,189.67	654.14
			<i>For >10 To 20, Deduct</i>	-154.74	
			<i>For >20 To 40, Deduct</i>	-309.48	
			<i>For >40, Deduct</i>	-496.93	
26 56	13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,535.86	654.14
			<i>For >10 To 20, Deduct</i>	-163.40	
			<i>For >20 To 40, Deduct</i>	-326.79	
			<i>For >40, Deduct</i>	-522.90	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms
(26 56 13 00-0138)

26 56	13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,449.11	688.57
			<i>For >10 To 20, Deduct</i>	-136.23	
			<i>For >20 To 40, Deduct</i>	-272.46	
			<i>For >40, Deduct</i>	-443.11	
26 56	13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,602.24	723.00
			<i>For >10 To 20, Deduct</i>	-140.06	
			<i>For >20 To 40, Deduct</i>	-280.11	
			<i>For >40, Deduct</i>	-456.32	
26 56	13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,725.33	757.43
			<i>For >10 To 20, Deduct</i>	-143.13	
			<i>For >20 To 40, Deduct</i>	-286.27	
			<i>For >40, Deduct</i>	-467.27	
26 56	13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,869.79	757.43
			<i>For >10 To 20, Deduct</i>	-146.74	
			<i>For >20 To 40, Deduct</i>	-293.49	
			<i>For >40, Deduct</i>	-478.11	
26 56	13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,377.90	791.86
			<i>For >10 To 20, Deduct</i>	-159.45	
			<i>For >20 To 40, Deduct</i>	-318.90	
			<i>For >40, Deduct</i>	-517.94	
26 56	13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,313.44	826.28
			<i>For >10 To 20, Deduct</i>	-182.84	
			<i>For >20 To 40, Deduct</i>	-365.67	
			<i>For >40, Deduct</i>	-589.82	
26 56	13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	7,073.00	791.86
			<i>For >10 To 20, Deduct</i>	-176.83	
			<i>For >20 To 40, Deduct</i>	-353.65	
			<i>For >40, Deduct</i>	-570.07	
26 56	13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,212.48	826.28
			<i>For >10 To 20, Deduct</i>	-180.31	
			<i>For >20 To 40, Deduct</i>	-360.62	
			<i>For >40, Deduct</i>	-582.25	
26 56	13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,763.40	860.71
			<i>For >10 To 20, Deduct</i>	-219.09	
			<i>For >20 To 40, Deduct</i>	-438.17	
			<i>For >40, Deduct</i>	-700.29	



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0163	Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>		
26 56 13 00-0164	Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,441.79	413.14
	For >10 To 20, Deduct	-86.04	
	For >20 To 40, Deduct	-172.09	
	For >40, Deduct	-278.79	
26 56 13 00-0166	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,534.97	413.14
	For >10 To 20, Deduct	-88.37	
	For >20 To 40, Deduct	-176.75	
	For >40, Deduct	-285.78	
26 56 13 00-0167	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,628.34	413.14
	For >10 To 20, Deduct	-90.71	
	For >20 To 40, Deduct	-181.42	
	For >40, Deduct	-292.78	
26 56 13 00-0168	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,098.21	550.86
	For >10 To 20, Deduct	-102.46	
	For >20 To 40, Deduct	-204.91	
	For >40, Deduct	-334.91	
26 56 13 00-0169	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,169.23	550.86
	For >10 To 20, Deduct	-104.23	
	For >20 To 40, Deduct	-208.46	
	For >40, Deduct	-340.24	
26 56 13 00-0170	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,246.82	550.86
	For >10 To 20, Deduct	-106.17	
	For >20 To 40, Deduct	-212.34	
	For >40, Deduct	-346.05	
26 56 13 00-0171	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,625.21	619.71
	For >10 To 20, Deduct	-115.63	
	For >20 To 40, Deduct	-231.26	
	For >40, Deduct	-377.88	
26 56 13 00-0172	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,721.62	619.71
	For >10 To 20, Deduct	-118.04	
	For >20 To 40, Deduct	-236.08	
	For >40, Deduct	-385.11	
26 56 13 00-0173	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,736.09	619.71
	For >10 To 20, Deduct	-118.40	
	For >20 To 40, Deduct	-236.80	
	For >40, Deduct	-386.19	
26 56 13 00-0174	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	5,037.10	654.14
	For >10 To 20, Deduct	-125.93	
	For >20 To 40, Deduct	-251.86	
	For >40, Deduct	-410.49	
26 56 13 00-0175	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	5,079.39	654.14
	For >10 To 20, Deduct	-126.98	
	For >20 To 40, Deduct	-253.97	
	For >40, Deduct	-413.66	
26 56 13 00-0176	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	5,178.53	654.14
	For >10 To 20, Deduct	-129.46	
	For >20 To 40, Deduct	-258.93	
	For >40, Deduct	-421.10	
26 56 13 00-0177	Area Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0178	Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179	Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180	Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,580.34	241.00
	For Galvanized Finish, Add	32.95	
	For >10 To 20, Deduct	-55.98	
	For >20 To 40, Deduct	-100.98	
	For >40, Deduct	-212.95	
26 56 13 00-0182	EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,710.05	275.43
	For Galvanized Finish, Add	34.78	
	For >10 To 20, Deduct	-60.14	
	For >20 To 40, Deduct	-108.69	
	For >40, Deduct	-228.96	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,909.73	309.86
			<i>For Galvanized Finish, Add</i>	38.70	
			<i>For >10 To 20, Deduct</i>	-67.09	
			<i>For >20 To 40, Deduct</i>	-121.29	
			<i>For >40, Deduct</i>	-255.47	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,115.50	344.29
			<i>For Galvanized Finish, Add</i>	42.81	
			<i>For >10 To 20, Deduct</i>	-74.29	
			<i>For >20 To 40, Deduct</i>	-134.31	
			<i>For >40, Deduct</i>	-282.90	
26 56 13 00-0185	EA		18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,245.21	378.71
			<i>For Galvanized Finish, Add</i>	44.63	
			<i>For >10 To 20, Deduct</i>	-78.45	
			<i>For >20 To 40, Deduct</i>	-142.02	
			<i>For >40, Deduct</i>	-298.91	
26 56 13 00-0186	EA		20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,359.70	413.14
			<i>For Galvanized Finish, Add</i>	46.00	
			<i>For >10 To 20, Deduct</i>	-81.99	
			<i>For >20 To 40, Deduct</i>	-148.65	
			<i>For >40, Deduct</i>	-312.64	
26 56 13 00-0187	EA		10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,659.44	241.00
			<i>For Galvanized Finish, Add</i>	35.32	
			<i>For >10 To 20, Deduct</i>	-59.15	
			<i>For >20 To 40, Deduct</i>	-106.52	
			<i>For >40, Deduct</i>	-224.82	
26 56 13 00-0188	EA		12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,792.20	275.43
			<i>For Galvanized Finish, Add</i>	37.24	
			<i>For >10 To 20, Deduct</i>	-63.43	
			<i>For >20 To 40, Deduct</i>	-114.44	
			<i>For >40, Deduct</i>	-241.29	
26 56 13 00-0189	EA		14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,074.02	309.86
			<i>For Galvanized Finish, Add</i>	43.63	
			<i>For >10 To 20, Deduct</i>	-73.67	
			<i>For >20 To 40, Deduct</i>	-132.79	
			<i>For >40, Deduct</i>	-280.12	
26 56 13 00-0190	EA		16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,221.99	344.29
			<i>For Galvanized Finish, Add</i>	46.00	
			<i>For >10 To 20, Deduct</i>	-78.55	
			<i>For >20 To 40, Deduct</i>	-141.77	
			<i>For >40, Deduct</i>	-298.87	
26 56 13 00-0191	EA		18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,360.82	378.71
			<i>For Galvanized Finish, Add</i>	48.10	
			<i>For >10 To 20, Deduct</i>	-83.07	
			<i>For >20 To 40, Deduct</i>	-150.11	
			<i>For >40, Deduct</i>	-316.25	
26 56 13 00-0192	EA		20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,469.22	413.14
			<i>For Galvanized Finish, Add</i>	49.29	
			<i>For >10 To 20, Deduct</i>	-86.37	
			<i>For >20 To 40, Deduct</i>	-156.32	
			<i>For >40, Deduct</i>	-329.07	
26 56 13 00-0193	EA		25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,857.23	550.86
			<i>For Galvanized Finish, Add</i>	52.67	
			<i>For >10 To 20, Deduct</i>	-97.76	
			<i>For >20 To 40, Deduct</i>	-177.97	
			<i>For >40, Deduct</i>	-373.50	
26 56 13 00-0194	EA		10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,659.44	241.00
			<i>For Galvanized Finish, Add</i>	35.32	
			<i>For >10 To 20, Deduct</i>	-59.15	
			<i>For >20 To 40, Deduct</i>	-106.52	
			<i>For >40, Deduct</i>	-224.82	
26 56 13 00-0195	EA		12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,801.32	275.43
			<i>For Galvanized Finish, Add</i>	37.51	
			<i>For >10 To 20, Deduct</i>	-63.79	
			<i>For >20 To 40, Deduct</i>	-115.08	
			<i>For >40, Deduct</i>	-242.66	
26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,122.70	309.86
			<i>For Galvanized Finish, Add</i>	45.09	
			<i>For >10 To 20, Deduct</i>	-75.61	
			<i>For >20 To 40, Deduct</i>	-136.19	
			<i>For >40, Deduct</i>	-287.42	
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,231.11	344.29
			<i>For Galvanized Finish, Add</i>	46.28	
			<i>For >10 To 20, Deduct</i>	-78.92	
			<i>For >20 To 40, Deduct</i>	-142.41	
			<i>For >40, Deduct</i>	-300.24	
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,360.82	378.71
			<i>For Galvanized Finish, Add</i>	48.10	
			<i>For >10 To 20, Deduct</i>	-83.07	
			<i>For >20 To 40, Deduct</i>	-150.11	
			<i>For >40, Deduct</i>	-316.25	
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,469.22	413.14
			<i>For Galvanized Finish, Add</i>	49.29	
			<i>For >10 To 20, Deduct</i>	-86.37	
			<i>For >20 To 40, Deduct</i>	-156.32	
			<i>For >40, Deduct</i>	-329.07	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,942.42 55.22 -101.17 -183.94 -386.28	550.86
26 56	13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,238.34 59.97 -110.94 -201.90 -423.78	619.71
26 56	13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,663.94 55.13 -94.16 -169.95 -358.28	413.14
26 56	13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,981.97 56.41 -102.75 -186.70 -392.21	550.86
26 56	13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,314.41 62.25 -113.98 -207.22 -435.19	619.71
26 56	13 00-0205		Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0206		Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56	13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,351.55 75.76 -121.67 -218.08 -461.42	413.14
26 56	13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,445.86 78.59 -125.44 -224.68 -475.57	413.14
26 56	13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,928.18 84.79 -140.60 -252.94 -534.14	550.86
26 56	13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,122.90 90.64 -148.39 -266.57 -563.35	550.86
26 56	13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,370.15 93.92 -156.21 -281.12 -593.55	619.71
26 56	13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,695.70 103.69 -169.24 -303.91 -642.38	619.71
26 56	13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,831.47 105.70 -173.63 -312.04 -659.31	654.14
26 56	13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,032.28 111.72 -181.67 -326.09 -689.43	654.14
26 56	13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,512.99 126.14 -200.90 -359.74 -761.54	654.14
26 56	13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,545.34 125.05 -201.16 -360.63 -762.94	688.57
26 56	13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,630.53 127.60 -204.56 -366.59 -775.72	688.57



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,683.57	895.14
			<i>For Galvanized Finish, Add</i>	176.80	
			<i>For >10 To 20, Deduct</i>	-280.49	
			<i>For >20 To 40, Deduct</i>	-502.04	
			<i>For >40, Deduct</i>	-1,063.02	
26 56	13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,943.75	1,032.86
			<i>For Galvanized Finish, Add</i>	176.25	
			<i>For >10 To 20, Deduct</i>	-286.64	
			<i>For >20 To 40, Deduct</i>	-514.54	
			<i>For >40, Deduct</i>	-1,087.83	
26 56	13 00-0220	EA	30' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,443.34	550.86
			<i>For Galvanized Finish, Add</i>	130.25	
			<i>For >10 To 20, Deduct</i>	-201.21	
			<i>For >20 To 40, Deduct</i>	-359.00	
			<i>For >40, Deduct</i>	-761.42	
26 56	13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,183.48	619.71
			<i>For Galvanized Finish, Add</i>	148.32	
			<i>For >10 To 20, Deduct</i>	-228.75	
			<i>For >20 To 40, Deduct</i>	-408.06	
			<i>For >40, Deduct</i>	-865.55	
26 56	13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,185.24	688.57
			<i>For Galvanized Finish, Add</i>	174.24	
			<i>For >10 To 20, Deduct</i>	-266.75	
			<i>For >20 To 40, Deduct</i>	-475.42	
			<i>For >40, Deduct</i>	-1,008.93	
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,632.83	895.14
			<i>For Galvanized Finish, Add</i>	205.28	
			<i>For >10 To 20, Deduct</i>	-318.46	
			<i>For >20 To 40, Deduct</i>	-568.49	
			<i>For >40, Deduct</i>	-1,205.41	
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	10,082.66	1,032.86
			<i>For Galvanized Finish, Add</i>	240.51	
			<i>For >10 To 20, Deduct</i>	-372.32	
			<i>For >20 To 40, Deduct</i>	-664.47	
			<i>For >40, Deduct</i>	-1,409.11	
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	11,320.95	1,032.86
			<i>For Galvanized Finish, Add</i>	277.66	
			<i>For >10 To 20, Deduct</i>	-421.85	
			<i>For >20 To 40, Deduct</i>	-751.15	
			<i>For >40, Deduct</i>	-1,594.86	
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	15,458.74	1,032.86
			<i>For Galvanized Finish, Add</i>	401.79	
			<i>For >10 To 20, Deduct</i>	-587.36	
			<i>For >20 To 40, Deduct</i>	-1,040.80	
			<i>For >40, Deduct</i>	-2,215.53	
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	17,466.78	1,032.86
			<i>For Galvanized Finish, Add</i>	462.03	
			<i>For >10 To 20, Deduct</i>	-667.69	
			<i>For >20 To 40, Deduct</i>	-1,181.36	
			<i>For >40, Deduct</i>	-2,516.73	
26 56	13 00-0228		Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0229		Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,556.00	241.00
			<i>For Galvanized Finish, Add</i>	32.22	
			<i>For >10 To 20, Deduct</i>	-55.01	
			<i>For >20 To 40, Deduct</i>	-99.28	
			<i>For >40, Deduct</i>	-209.30	
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,624.86	275.43
			<i>For Galvanized Finish, Add</i>	32.22	
			<i>For >10 To 20, Deduct</i>	-56.73	
			<i>For >20 To 40, Deduct</i>	-102.72	
			<i>For >40, Deduct</i>	-216.19	
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,745.43	309.86
			<i>For Galvanized Finish, Add</i>	33.77	
			<i>For >10 To 20, Deduct</i>	-60.52	
			<i>For >20 To 40, Deduct</i>	-109.79	
			<i>For >40, Deduct</i>	-230.83	
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,852.88	327.07
			<i>For Galvanized Finish, Add</i>	35.96	
			<i>For >10 To 20, Deduct</i>	-64.30	
			<i>For >20 To 40, Deduct</i>	-116.62	
			<i>For >40, Deduct</i>	-245.23	
26 56	13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,887.31	344.29
			<i>For Galvanized Finish, Add</i>	35.96	
			<i>For >10 To 20, Deduct</i>	-65.16	
			<i>For >20 To 40, Deduct</i>	-118.34	
			<i>For >40, Deduct</i>	-248.67	
26 56	13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,989.64	378.71
			<i>For Galvanized Finish, Add</i>	36.97	
			<i>For >10 To 20, Deduct</i>	-68.22	
			<i>For >20 To 40, Deduct</i>	-124.13	
			<i>For >40, Deduct</i>	-260.57	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,085.87	413.14
			<i>For Galvanized Finish, Add</i>	37.79	
			<i>For >10 To 20, Deduct</i>	-71.04	
			<i>For >20 To 40, Deduct</i>	-129.49	
			<i>For >40, Deduct</i>	-271.57	
26 56	13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,543.85	550.86
			<i>For Galvanized Finish, Add</i>	43.26	
			<i>For >10 To 20, Deduct</i>	-85.23	
			<i>For >20 To 40, Deduct</i>	-156.04	
			<i>For >40, Deduct</i>	-326.49	
26 56	13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,496.61	413.14
			<i>For Galvanized Finish, Add</i>	50.11	
			<i>For >10 To 20, Deduct</i>	-87.47	
			<i>For >20 To 40, Deduct</i>	-158.24	
			<i>For >40, Deduct</i>	-333.18	
26 56	13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,109.75	550.86
			<i>For Galvanized Finish, Add</i>	60.24	
			<i>For >10 To 20, Deduct</i>	-107.86	
			<i>For >20 To 40, Deduct</i>	-195.65	
			<i>For >40, Deduct</i>	-411.38	
26 56	13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,579.10	619.71
			<i>For Galvanized Finish, Add</i>	70.19	
			<i>For >10 To 20, Deduct</i>	-124.57	
			<i>For >20 To 40, Deduct</i>	-225.75	
			<i>For >40, Deduct</i>	-474.89	
26 56	13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,384.03	413.14
			<i>For Galvanized Finish, Add</i>	46.73	
			<i>For >10 To 20, Deduct</i>	-82.97	
			<i>For >20 To 40, Deduct</i>	-150.36	
			<i>For >40, Deduct</i>	-316.29	
26 56	13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,890.69	550.86
			<i>For Galvanized Finish, Add</i>	53.67	
			<i>For >10 To 20, Deduct</i>	-99.10	
			<i>For >20 To 40, Deduct</i>	-180.31	
			<i>For >40, Deduct</i>	-378.52	
26 56	13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,390.47	619.71
			<i>For Galvanized Finish, Add</i>	64.53	
			<i>For >10 To 20, Deduct</i>	-117.03	
			<i>For >20 To 40, Deduct</i>	-212.54	
			<i>For >40, Deduct</i>	-446.60	
26 56	13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,770.43	413.14
			<i>For Galvanized Finish, Add</i>	58.32	
			<i>For >10 To 20, Deduct</i>	-98.42	
			<i>For >20 To 40, Deduct</i>	-177.40	
			<i>For >40, Deduct</i>	-374.25	
26 56	13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,383.58	550.86
			<i>For Galvanized Finish, Add</i>	68.46	
			<i>For >10 To 20, Deduct</i>	-118.82	
			<i>For >20 To 40, Deduct</i>	-214.82	
			<i>For >40, Deduct</i>	-452.45	
26 56	13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,837.72	619.71
			<i>For Galvanized Finish, Add</i>	77.95	
			<i>For >10 To 20, Deduct</i>	-134.92	
			<i>For >20 To 40, Deduct</i>	-243.85	
			<i>For >40, Deduct</i>	-513.69	
26 56	13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,283.83	654.14
			<i>For Galvanized Finish, Add</i>	89.27	
			<i>For >10 To 20, Deduct</i>	-151.73	
			<i>For >20 To 40, Deduct</i>	-273.70	
			<i>For >40, Deduct</i>	-577.16	
26 56	13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,437.09	619.71
			<i>For Galvanized Finish, Add</i>	95.93	
			<i>For >10 To 20, Deduct</i>	-158.89	
			<i>For >20 To 40, Deduct</i>	-285.81	
			<i>For >40, Deduct</i>	-603.59	
26 56	13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,886.24	654.14
			<i>For Galvanized Finish, Add</i>	107.34	
			<i>For >10 To 20, Deduct</i>	-175.83	
			<i>For >20 To 40, Deduct</i>	-315.87	
			<i>For >40, Deduct</i>	-667.52	
26 56	13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	5,171.11	688.57
			<i>For Galvanized Finish, Add</i>	113.82	
			<i>For >10 To 20, Deduct</i>	-186.19	
			<i>For >20 To 40, Deduct</i>	-334.44	
			<i>For >40, Deduct</i>	-706.81	
26 56	13 00-0251		Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56	13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	5,871.36	413.14
			<i>For Galvanized Finish, Add</i>	151.35	
			<i>For >10 To 20, Deduct</i>	-222.46	
			<i>For >20 To 40, Deduct</i>	-394.47	
			<i>For >40, Deduct</i>	-839.39	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,489.82 161.64 -243.07 -432.25 -918.39	550.86
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,190.54 238.53 -349.03 -618.55 -1,316.61	619.71
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,994.34 155.04 -227.38 -403.08 -857.84	413.14
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,205.00 183.10 -271.67 -482.32 -1,025.66	550.86
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,255.21 270.47 -391.62 -693.08 -1,476.31	619.71
26 56	13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	11,809.42 315.03 -452.75 -800.49 -1,706.00	654.14
26 56	13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	13,939.68 376.88 -536.93 -948.24 -2,022.10	688.57
26 56	13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,677.20 145.53 -214.69 -380.88 -810.27	413.14
26 56	13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,179.16 152.32 -230.64 -410.51 -871.79	550.86
26 56	13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,643.63 222.13 -327.15 -580.27 -1,234.57	619.71
26 56	13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,900.49 152.23 -223.63 -396.51 -843.76	413.14
26 56	13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,913.75 174.36 -260.02 -461.93 -981.98	550.86
26 56	13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,850.70 258.34 -375.44 -664.76 -1,415.63	619.71
26 56	13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,243.52 162.52 -237.35 -420.52 -895.21	413.14
26 56	13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,531.85 192.90 -284.75 -505.20 -1,074.69	550.86
26 56	13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,578.82 280.18 -404.56 -715.73 -1,524.85	619.71
26 56	13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	12,204.23 326.88 -468.55 -828.13 -1,765.22	654.14

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	14,150.03 383.19 -545.34 -962.96 -2,053.65	688.57
26 56 13 00-0272 Square Tapered, Steel Area Light Poles (26 56 13 00-0178)					
26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)					
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,376.87 106.52 -162.68 -289.86 -615.22	413.14
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,279.05 125.32 -194.64 -347.50 -736.77	550.86
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,870.10 138.92 -216.21 -386.12 -818.54	619.71
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,538.31 156.90 -241.91 -431.52 -915.33	654.14
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,893.16 165.48 -255.07 -454.98 -965.12	688.57
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,742.94 147.50 -217.32 -385.48 -820.13	413.14
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,350.01 157.45 -237.47 -422.47 -897.42	550.86
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,746.34 165.21 -251.26 -447.46 -949.98	619.71
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,549.55 189.30 -283.39 -503.68 -1,070.46	619.71
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,196.47 206.65 -308.23 -547.59 -1,164.06	654.14
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,191.36 236.49 -348.03 -617.23 -1,313.29	654.14
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	8,310.96 208.01 -311.78 -554.22 -1,177.79	688.57
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	10,760.17 281.49 -409.75 -725.67 -1,545.17	688.57
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	9,755.51 238.96 -363.37 -647.08 -1,373.81	895.14
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	11,425.84 289.07 -430.18 -764.00 -1,624.36	895.14



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	11,786.46 291.62 -440.47 -783.74 -1,664.68	1,032.86
26 56 13 00-0290			Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	107.87	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles	160.42	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles	163.19	
26 56 13 00-0294			Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295			Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296			Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	865.22 45.21 90.42 -28.41 -52.30 -109.13	206.57
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	957.26 47.53 95.05 -31.06 -57.37 -119.49	241.00
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,055.10 50.42 100.85 -33.94 -62.84 -130.72	275.43
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,154.09 53.44 106.88 -36.87 -68.39 -142.13	309.86
26 56 13 00-0301	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,208.23 55.41 110.82 -38.52 -71.49 -148.53	327.07
26 56 13 00-0302	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,261.20 57.26 114.53 -40.12 -74.51 -154.75	344.29
26 56 13 00-0303	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,330.76 64.22 128.44 -42.90 -79.38 -165.19	344.29
26 56 13 00-0304	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,443.66 68.62 137.25 -46.38 -85.91 -178.68	378.71
26 56 13 00-0305	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,549.61 72.33 144.67 -49.59 -91.95 -191.13	413.14
26 56 13 00-0306	EA		15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,464.41 81.03 162.05 -48.76 -89.43 -186.95	327.07
26 56 13 00-0307	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,805.79 97.95 195.90 -59.84 -109.88 -229.55	413.14

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,935.62 110.93 221.87 -65.03 -118.97 -249.03	413.14
26 56	13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,332.76 123.11 246.21 -76.78 -141.26 -294.83	550.86
26 56	13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,701.16 146.17 292.35 -89.45 -164.29 -343.20	619.71
26 56	13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,629.59 80.33 160.66 -52.79 -97.55 -203.12	413.14
26 56	13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,925.18 109.89 219.78 -64.61 -118.24 -247.46	413.14
26 56	13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,314.21 121.25 242.50 -76.04 -139.96 -292.05	550.86
26 56	13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,482.29 138.06 276.12 -82.77 -151.73 -317.26	550.86
26 56	13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,891.26 165.18 330.37 -97.06 -177.60 -371.72	619.71
26 56	13 00-0316		Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)		
26 56	13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	983.46 85.55 -33.14 -60.58 -126.86	206.57
26 56	13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,098.68 92.50 -36.72 -67.27 -140.70	241.00
26 56	13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,209.27 98.76 -40.11 -73.63 -153.85	275.43
26 56	13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,297.83 101.72 -42.62 -78.45 -163.69	309.86
26 56	13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,400.31 106.76 -45.68 -84.25 -175.62	344.29
26 56	13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,123.03 96.15 -37.69 -68.97 -144.35	241.00
26 56	13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,231.30 102.07 -40.99 -75.17 -157.15	275.43



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,343.04 108.50 -44.43 -81.62 -170.47	309.86
26 56	13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,453.63 114.76 -47.82 -87.98 -183.62	344.29
26 56	13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,570.02 121.89 -51.44 -94.75 -197.63	378.71
26 56	13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,679.44 127.97 -54.78 -101.04 -210.60	413.14
26 56	13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,276.51 108.85 -42.80 -78.34 -163.93	275.43
26 56	13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,396.36 116.50 -46.56 -85.35 -178.47	309.86
26 56	13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,515.07 123.98 -50.27 -92.28 -192.83	344.29
26 56	13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,636.09 131.80 -54.08 -99.38 -207.54	378.71
26 56	13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,579.98 133.71 -52.87 -96.83 -202.57	344.29
26 56	13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,831.29 150.75 -60.86 -111.66 -233.38	413.14
26 56	13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,319.40 115.28 -44.51 -81.34 -170.37	275.43
26 56	13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,452.00 124.84 -48.78 -89.25 -186.81	309.86
26 56	13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,573.02 132.67 -52.59 -96.34 -201.52	344.29
26 56	13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,701.00 141.54 -56.68 -103.92 -217.28	378.71
26 56	13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,825.49 149.88 -60.63 -111.26 -232.51	413.14
26 56	13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,657.64 145.36 -55.98 -102.26 -214.22	344.29
26 56	13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,796.06 155.79 -60.48 -110.58 -231.54	378.71

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0341	EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,861.43 155.27 -62.06 -113.77 -237.90	413.14
26 56 13 00-0342	Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	770.87 42.66 85.32 -25.67 -47.08 -98.42	172.14
26 56 13 00-0344	EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	827.31 44.86 89.72 -27.41 -50.34 -105.16	189.36
26 56 13 00-0345	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	913.91 50.08 100.15 -30.36 -55.71 -116.43	206.57
26 56 13 00-0346	EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	940.57 52.74 105.49 -31.43 -57.58 -120.43	206.57
26 56 13 00-0347	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	974.18 56.10 112.21 -32.77 -59.93 -125.47	206.57
26 56 13 00-0348	EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,110.62 66.31 132.61 -37.71 -68.79 -144.21	223.79
26 56 13 00-0349	EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,187.94 70.59 141.19 -40.29 -73.52 -154.09	241.00
26 56 13 00-0350	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,367.61 88.56 177.12 -47.47 -86.09 -181.04	241.00
26 56 13 00-0351	EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,667.15 111.63 223.26 -58.42 -105.68 -222.53	275.43
26 56 13 00-0352	EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,891.33 127.16 254.32 -66.36 -120.00 -252.71	309.86
26 56 13 00-0353	EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,103.46 148.38 296.75 -74.84 -134.85 -284.53	309.86
26 56 13 00-0354	Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355	Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	741.19 32.81 65.61 -23.45 -43.62 -90.52	206.57



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0357 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	836.71	241.00
For Bronze Or Satin Anodized Finish, Add	35.47	
For Black Anodized Finish, Add	70.94	
For >10 To 20, Deduct	-26.24	
For >20 To 40, Deduct	-48.93	
For >40, Deduct	-101.41	
26 56 13 00-0358 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	932.23	275.43
For Bronze Or Satin Anodized Finish, Add	38.14	
For Black Anodized Finish, Add	76.27	
For >10 To 20, Deduct	-29.03	
For >20 To 40, Deduct	-54.24	
For >40, Deduct	-112.29	
26 56 13 00-0359 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,038.17	309.86
For Bronze Or Satin Anodized Finish, Add	41.85	
For Black Anodized Finish, Add	83.69	
For >10 To 20, Deduct	-32.23	
For >20 To 40, Deduct	-60.28	
For >40, Deduct	-124.74	
26 56 13 00-0360 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,142.97	344.29
For Bronze Or Satin Anodized Finish, Add	45.44	
For Black Anodized Finish, Add	90.88	
For >10 To 20, Deduct	-35.39	
For >20 To 40, Deduct	-66.24	
For >40, Deduct	-137.02	
26 56 13 00-0361 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	866.85	241.00
For Bronze Or Satin Anodized Finish, Add	38.49	
For Black Anodized Finish, Add	76.97	
For >10 To 20, Deduct	-27.44	
For >20 To 40, Deduct	-51.04	
For >40, Deduct	-105.93	
26 56 13 00-0362 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	979.76	275.43
For Bronze Or Satin Anodized Finish, Add	42.89	
For Black Anodized Finish, Add	85.78	
For >10 To 20, Deduct	-30.93	
For >20 To 40, Deduct	-57.57	
For >40, Deduct	-119.42	
26 56 13 00-0363 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,089.18	309.86
For Bronze Or Satin Anodized Finish, Add	46.95	
For Black Anodized Finish, Add	93.89	
For >10 To 20, Deduct	-34.27	
For >20 To 40, Deduct	-63.85	
For >40, Deduct	-132.39	
26 56 13 00-0364 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,299.93	378.71
For Bronze Or Satin Anodized Finish, Add	54.25	
For Black Anodized Finish, Add	108.50	
For >10 To 20, Deduct	-40.64	
For >20 To 40, Deduct	-75.85	
For >40, Deduct	-157.12	
26 56 13 00-0365 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,397.76	413.14
For Bronze Or Satin Anodized Finish, Add	57.15	
For Black Anodized Finish, Add	114.30	
For >10 To 20, Deduct	-43.52	
For >20 To 40, Deduct	-81.32	
For >40, Deduct	-168.35	
26 56 13 00-0366 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,022.65	275.43
For Bronze Or Satin Anodized Finish, Add	47.18	
For Black Anodized Finish, Add	94.36	
For >10 To 20, Deduct	-32.64	
For >20 To 40, Deduct	-60.57	
For >40, Deduct	-125.85	
26 56 13 00-0367 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,139.02	309.86
For Bronze Or Satin Anodized Finish, Add	51.93	
For Black Anodized Finish, Add	103.86	
For >10 To 20, Deduct	-36.27	
For >20 To 40, Deduct	-67.34	
For >40, Deduct	-139.87	
26 56 13 00-0368 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,263.52	344.29
For Bronze Or Satin Anodized Finish, Add	57.50	
For Black Anodized Finish, Add	114.99	
For >10 To 20, Deduct	-40.21	
For >20 To 40, Deduct	-74.68	
For >40, Deduct	-155.10	
26 56 13 00-0369 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,367.16	378.71
For Bronze Or Satin Anodized Finish, Add	60.97	
For Black Anodized Finish, Add	121.95	
For >10 To 20, Deduct	-43.32	
For >20 To 40, Deduct	-80.55	
For >40, Deduct	-167.20	
26 56 13 00-0370 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,487.01	413.14
For Bronze Or Satin Anodized Finish, Add	66.07	
For Black Anodized Finish, Add	132.15	
For >10 To 20, Deduct	-47.09	
For >20 To 40, Deduct	-87.57	
For >40, Deduct	-181.74	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,377.12 68.86 137.71 -44.76 -82.63 -172.14	344.29
26 56	13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,512.06 75.46 150.93 -49.12 -90.70 -188.94	378.71
26 56	13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,599.45 77.32 154.63 -51.58 -95.44 -198.60	413.14
26 56	13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,840.34 87.63 175.27 -59.15 -109.54 -227.85	482.00
26 56	13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,088.17 98.65 197.29 -67.00 -124.14 -258.14	550.86
26 56	13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,625.66 86.82 173.65 -53.66 -98.65 -205.98	378.71
26 56	13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,737.40 91.11 182.22 -57.10 -105.09 -219.30	413.14
26 56	13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,949.30 98.53 197.06 -63.51 -117.17 -244.20	482.00
26 56	13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,171.63 106.99 213.98 -70.34 -129.98 -270.66	550.86
26 56	13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,334.39 116.38 232.76 -75.82 -140.00 -291.63	585.29
26 56	13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,499.46 126.00 252.01 -81.39 -150.17 -312.95	619.71
26 56	13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,057.11 109.31 218.62 -67.82 -124.72 -260.37	482.00
26 56	13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,243.50 114.18 228.36 -73.21 -135.01 -281.44	550.86
26 56	13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,412.05 124.15 248.30 -78.92 -145.43 -303.28	585.29



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,620.01 138.06 276.12 -86.21 -158.61 -331.03	619.71
26 56	13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,706.61 143.28 286.55 -89.16 -163.99 -342.30	636.93
26 56	13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,881.28 157.30 314.60 -95.63 -175.52 -366.78	654.14
26 56	13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,070.17 51.93 103.86 -34.54 -63.89 -132.98	275.43
26 56	13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,194.66 57.50 114.99 -38.49 -71.23 -148.21	309.86
26 56	13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,323.80 63.52 127.05 -42.62 -78.89 -164.14	344.29
26 56	13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,440.19 68.28 136.55 -46.25 -85.66 -178.16	378.71
26 56	13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,555.40 72.91 145.82 -49.82 -92.35 -192.00	413.14
26 56	13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,450.15 76.16 152.32 -47.68 -87.74 -183.09	344.29
26 56	13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,588.56 83.11 166.23 -52.18 -96.05 -200.41	378.71
26 56	13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,691.03 86.48 172.95 -55.25 -101.85 -212.34	413.14
26 56	13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,926.12 96.21 192.42 -62.58 -115.55 -240.72	482.00
26 56	13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,168.16 106.65 213.29 -70.20 -129.74 -270.14	550.86
26 56	13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,188.09 122.41 244.82 -73.06 -133.89 -280.01	482.00

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,417.38	550.86
		<i>For Bronze Or Satin Anodized Finish, Add</i>		131.57	
		<i>For Black Anodized Finish, Add</i>		263.13	
		<i>For >10 To 20, Deduct</i>		-80.17	
		<i>For >20 To 40, Deduct</i>		-147.18	
		<i>For >40, Deduct</i>		-307.52	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,599.84	585.29
		<i>For Bronze Or Satin Anodized Finish, Add</i>		142.93	
		<i>For Black Anodized Finish, Add</i>		285.85	
		<i>For >10 To 20, Deduct</i>		-86.44	
		<i>For >20 To 40, Deduct</i>		-158.58	
		<i>For >40, Deduct</i>		-331.45	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,762.59	619.71
		<i>For Bronze Or Satin Anodized Finish, Add</i>		152.32	
		<i>For Black Anodized Finish, Add</i>		304.63	
		<i>For >10 To 20, Deduct</i>		-91.91	
		<i>For >20 To 40, Deduct</i>		-168.59	
		<i>For >40, Deduct</i>		-352.42	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,909.46	636.93
		<i>For Bronze Or Satin Anodized Finish, Add</i>		163.56	
		<i>For Black Anodized Finish, Add</i>		327.12	
		<i>For >10 To 20, Deduct</i>		-97.27	
		<i>For >20 To 40, Deduct</i>		-178.19	
		<i>For >40, Deduct</i>		-372.73	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,037.77	654.14
		<i>For Bronze Or Satin Anodized Finish, Add</i>		172.95	
		<i>For Black Anodized Finish, Add</i>		345.90	
		<i>For >10 To 20, Deduct</i>		-101.89	
		<i>For >20 To 40, Deduct</i>		-186.48	
		<i>For >40, Deduct</i>		-390.25	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,147.54	671.36
		<i>For Bronze Or Satin Anodized Finish, Add</i>		180.48	
		<i>For Black Anodized Finish, Add</i>		360.97	
		<i>For >10 To 20, Deduct</i>		-105.76	
		<i>For >20 To 40, Deduct</i>		-193.47	
		<i>For >40, Deduct</i>		-405.00	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,344.26	688.57
		<i>For Bronze Or Satin Anodized Finish, Add</i>		196.71	
		<i>For Black Anodized Finish, Add</i>		393.43	
		<i>For >10 To 20, Deduct</i>		-113.11	
		<i>For >20 To 40, Deduct</i>		-206.56	
		<i>For >40, Deduct</i>		-432.78	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,100.60	585.29
		<i>For Bronze Or Satin Anodized Finish, Add</i>		193.00	
		<i>For Black Anodized Finish, Add</i>		386.01	
		<i>For >10 To 20, Deduct</i>		-106.47	
		<i>For >20 To 40, Deduct</i>		-193.63	
		<i>For >40, Deduct</i>		-406.56	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,342.18	619.71
		<i>For Bronze Or Satin Anodized Finish, Add</i>		210.28	
		<i>For Black Anodized Finish, Add</i>		420.55	
		<i>For >10 To 20, Deduct</i>		-115.10	
		<i>For >20 To 40, Deduct</i>		-209.16	
		<i>For >40, Deduct</i>		-439.36	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,512.24	636.93
		<i>For Bronze Or Satin Anodized Finish, Add</i>		223.84	
		<i>For Black Anodized Finish, Add</i>		447.68	
		<i>For >10 To 20, Deduct</i>		-121.38	
		<i>For >20 To 40, Deduct</i>		-220.38	
		<i>For >40, Deduct</i>		-463.14	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,641.70	654.14
		<i>For Bronze Or Satin Anodized Finish, Add</i>		233.34	
		<i>For Black Anodized Finish, Add</i>		466.69	
		<i>For >10 To 20, Deduct</i>		-126.04	
		<i>For >20 To 40, Deduct</i>		-228.75	
		<i>For >40, Deduct</i>		-480.84	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,714.38	671.36
		<i>For Bronze Or Satin Anodized Finish, Add</i>		237.17	
		<i>For Black Anodized Finish, Add</i>		474.34	
		<i>For >10 To 20, Deduct</i>		-128.43	
		<i>For >20 To 40, Deduct</i>		-233.15	
		<i>For >40, Deduct</i>		-490.02	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	3,930.80	688.57
		<i>For Bronze Or Satin Anodized Finish, Add</i>		255.37	
		<i>For Black Anodized Finish, Add</i>		510.73	
		<i>For >10 To 20, Deduct</i>		-136.58	
		<i>For >20 To 40, Deduct</i>		-247.61	
		<i>For >40, Deduct</i>		-520.76	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	.....	2,941.80	585.29
		<i>For Bronze Or Satin Anodized Finish, Add</i>		177.12	
		<i>For Black Anodized Finish, Add</i>		354.25	
		<i>For >10 To 20, Deduct</i>		-100.11	
		<i>For >20 To 40, Deduct</i>		-182.51	
		<i>For >40, Deduct</i>		-382.74	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0413 EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,162.51	619.71
For Bronze Or Satin Anodized Finish, Add	192.31	
For Black Anodized Finish, Add	384.62	
For >10 To 20, Deduct	-107.91	
For >20 To 40, Deduct	-196.59	
For >40, Deduct	-412.41	
26 56 13 00-0414 EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,249.10	636.93
For Bronze Or Satin Anodized Finish, Add	197.52	
For Black Anodized Finish, Add	395.05	
For >10 To 20, Deduct	-110.86	
For >20 To 40, Deduct	-201.96	
For >40, Deduct	-423.67	
26 56 13 00-0415 EA 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,468.98	654.14
For Bronze Or Satin Anodized Finish, Add	216.07	
For Black Anodized Finish, Add	432.14	
For >10 To 20, Deduct	-119.14	
For >20 To 40, Deduct	-216.66	
For >40, Deduct	-454.93	
26 56 13 00-0416 EA 37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,577.60	671.36
For Bronze Or Satin Anodized Finish, Add	223.49	
For Black Anodized Finish, Add	446.98	
For >10 To 20, Deduct	-122.96	
For >20 To 40, Deduct	-223.58	
For >40, Deduct	-469.51	
26 56 13 00-0417 EA 39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,795.18	688.57
For Bronze Or Satin Anodized Finish, Add	241.81	
For Black Anodized Finish, Add	483.61	
For >10 To 20, Deduct	-131.15	
For >20 To 40, Deduct	-238.12	
For >40, Deduct	-500.42	
26 56 13 00-0418 EA 28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,667.44	585.29
For Bronze Or Satin Anodized Finish, Add	249.69	
For Black Anodized Finish, Add	499.37	
For >10 To 20, Deduct	-129.14	
For >20 To 40, Deduct	-233.31	
For >40, Deduct	-491.59	
26 56 13 00-0419 EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,877.72	619.71
For Bronze Or Satin Anodized Finish, Add	263.83	
For Black Anodized Finish, Add	527.66	
For >10 To 20, Deduct	-136.52	
For >20 To 40, Deduct	-246.65	
For >40, Deduct	-519.69	
26 56 13 00-0420 EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,050.10	636.93
For Bronze Or Satin Anodized Finish, Add	277.62	
For Black Anodized Finish, Add	555.25	
For >10 To 20, Deduct	-142.90	
For >20 To 40, Deduct	-258.03	
For >40, Deduct	-543.82	
26 56 13 00-0421 EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,316.34	654.14
For Bronze Or Satin Anodized Finish, Add	300.81	
For Black Anodized Finish, Add	601.61	
For >10 To 20, Deduct	-153.03	
For >20 To 40, Deduct	-275.98	
For >40, Deduct	-582.04	
26 56 13 00-0422 EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,376.27	671.36
For Bronze Or Satin Anodized Finish, Add	303.36	
For Black Anodized Finish, Add	606.71	
For >10 To 20, Deduct	-154.91	
For >20 To 40, Deduct	-279.48	
For >40, Deduct	-589.31	
26 56 13 00-0423 EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,641.38	688.57
For Bronze Or Satin Anodized Finish, Add	326.43	
For Black Anodized Finish, Add	652.85	
For >10 To 20, Deduct	-165.00	
For >20 To 40, Deduct	-297.35	
For >40, Deduct	-627.35	
26 56 13 00-0424 EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,866.65	1,032.86
For Bronze Or Satin Anodized Finish, Add	380.10	
For Black Anodized Finish, Add	760.19	
For >10 To 20, Deduct	-203.68	
For >20 To 40, Deduct	-369.35	
For >40, Deduct	-776.71	
26 56 13 00-0425 EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,010.39	1,032.86
For Bronze Or Satin Anodized Finish, Add	394.47	
For Black Anodized Finish, Add	788.94	
For >10 To 20, Deduct	-209.43	
For >20 To 40, Deduct	-379.41	
For >40, Deduct	-798.27	
26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)		
26 56 13 00-0427 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	990.41	206.57
For Bronze, Satin Or Black Anodized Finish, Add	86.59	
For >10 To 20, Deduct	-33.42	
For >20 To 40, Deduct	-61.07	
For >40, Deduct	-127.90	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,083.61 90.24 -36.11 -66.21 -138.44	241.00
26 56	13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,177.98 94.07 -38.86 -71.44 -149.15	275.43
26 56	13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,274.65 98.24 -41.69 -76.83 -160.21	309.86
26 56	13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,370.17 102.24 -44.48 -82.14 -171.10	344.29
26 56	13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,097.52 92.33 -36.67 -67.19 -140.53	241.00
26 56	13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,194.20 96.50 -39.51 -72.58 -151.59	275.43
26 56	13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,293.19 101.02 -42.43 -78.13 -162.99	309.86
26 56	13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,391.03 105.37 -45.31 -83.60 -174.23	344.29
26 56	13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,503.94 111.98 -48.80 -90.13 -187.72	378.71
26 56	13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,606.41 117.02 -51.86 -95.92 -199.65	413.14
26 56	13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,239.41 103.28 -41.31 -75.74 -158.37	275.43
26 56	13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,344.20 108.67 -44.47 -81.70 -170.64	309.86
26 56	13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,462.90 116.15 -48.19 -88.63 -185.01	344.29
26 56	13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,570.02 121.89 -51.44 -94.75 -197.63	378.71
26 56	13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,692.19 129.89 -55.29 -101.93 -212.51	413.14
26 56	13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,528.98 126.06 -50.83 -93.26 -194.92	344.29
26 56	13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,659.27 135.28 -55.01 -101.00 -211.02	378.71



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0445	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,764.06 140.67 -58.17 -106.96 -223.30	413.14
26 56 13 00-0446	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,275.35 108.67 -42.75 -78.26 -163.76	275.43
26 56 13 00-0447	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,398.68 116.85 -46.65 -85.51 -178.82	309.86
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,528.98 126.06 -50.83 -93.26 -194.92	344.29
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,645.36 133.19 -54.45 -100.03 -208.93	378.71
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,769.85 141.54 -58.40 -107.36 -224.16	413.14
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,604.32 137.36 -53.84 -98.53 -206.22	344.29
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,743.89 147.97 -58.39 -106.92 -223.71	378.71
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,854.47 154.23 -61.78 -113.29 -236.86	413.14
26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354)					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	687.41 34.31 68.62 -22.33 -41.23 -85.90	172.14
26 56 13 00-0456	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	719.86 37.56 75.11 -23.63 -43.50 -90.76	172.14
26 56 13 00-0457	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	780.95 40.22 80.45 -25.56 -47.09 -98.21	189.36
26 56 13 00-0458	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	833.92 42.08 84.16 -27.16 -50.11 -104.43	206.57
26 56 13 00-0459	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	875.65 46.25 92.50 -28.83 -53.03 -110.69	206.57
26 56 13 00-0460	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	812.24 43.35 86.71 -26.81 -49.28 -102.90	189.36



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	879.13	206.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.60	
			<i>For Black Anodized Finish, Add</i>	93.20	
			<i>For >10 To 20, Deduct</i>	-28.97	
			<i>For >20 To 40, Deduct</i>	-53.28	
			<i>For >40, Deduct</i>	-111.21	
26 56	13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	902.31	206.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.92	
			<i>For Black Anodized Finish, Add</i>	97.83	
			<i>For >10 To 20, Deduct</i>	-29.90	
			<i>For >20 To 40, Deduct</i>	-54.90	
			<i>For >40, Deduct</i>	-114.69	
26 56	13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	973.84	223.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.63	
			<i>For Black Anodized Finish, Add</i>	105.25	
			<i>For >10 To 20, Deduct</i>	-32.24	
			<i>For >20 To 40, Deduct</i>	-59.22	
			<i>For >40, Deduct</i>	-123.70	
26 56	13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,040.72	241.00
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.87	
			<i>For Black Anodized Finish, Add</i>	111.74	
			<i>For >10 To 20, Deduct</i>	-34.40	
			<i>For >20 To 40, Deduct</i>	-63.21	
			<i>For >40, Deduct</i>	-132.01	
26 56	13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	969.55	206.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.64	
			<i>For Black Anodized Finish, Add</i>	111.28	
			<i>For >10 To 20, Deduct</i>	-32.58	
			<i>For >20 To 40, Deduct</i>	-59.61	
			<i>For >40, Deduct</i>	-124.78	
26 56	13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,048.03	223.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.05	
			<i>For Black Anodized Finish, Add</i>	120.09	
			<i>For >10 To 20, Deduct</i>	-35.21	
			<i>For >20 To 40, Deduct</i>	-64.41	
			<i>For >40, Deduct</i>	-134.83	
26 56	13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,120.71	241.00
			<i>For Bronze Or Satin Anodized Finish, Add</i>	63.87	
			<i>For Black Anodized Finish, Add</i>	127.74	
			<i>For >10 To 20, Deduct</i>	-37.60	
			<i>For >20 To 40, Deduct</i>	-68.81	
			<i>For >40, Deduct</i>	-144.01	
26 56	13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,143.08	223.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.55	
			<i>For Black Anodized Finish, Add</i>	139.10	
			<i>For >10 To 20, Deduct</i>	-39.01	
			<i>For >20 To 40, Deduct</i>	-71.06	
			<i>For >40, Deduct</i>	-149.08	
26 56	13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,463.13	275.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	91.23	
			<i>For Black Anodized Finish, Add</i>	182.45	
			<i>For >10 To 20, Deduct</i>	-50.26	
			<i>For >20 To 40, Deduct</i>	-91.40	
			<i>For >40, Deduct</i>	-191.93	
26 56	13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,594.12	275.43
			<i>For Bronze Or Satin Anodized Finish, Add</i>	104.33	
			<i>For Black Anodized Finish, Add</i>	208.65	
			<i>For >10 To 20, Deduct</i>	-55.50	
			<i>For >20 To 40, Deduct</i>	-100.57	
			<i>For >40, Deduct</i>	-211.58	
26 56	13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,775.41	309.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	115.57	
			<i>For Black Anodized Finish, Add</i>	231.14	
			<i>For >10 To 20, Deduct</i>	-61.72	
			<i>For >20 To 40, Deduct</i>	-111.88	
			<i>For >40, Deduct</i>	-235.33	
26 56	13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,917.99	309.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	129.83	
			<i>For Black Anodized Finish, Add</i>	259.66	
			<i>For >10 To 20, Deduct</i>	-67.42	
			<i>For >20 To 40, Deduct</i>	-121.87	
			<i>For >40, Deduct</i>	-256.71	
26 56	13 00-0473		Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56	13 00-0474		Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56	13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	891.88	206.57
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.87	
			<i>For Black Anodized Finish, Add</i>	95.75	
			<i>For >10 To 20, Deduct</i>	-29.48	
			<i>For >20 To 40, Deduct</i>	-54.17	
			<i>For >40, Deduct</i>	-113.13	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0476 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	985.08	241.00
For Bronze Or Satin Anodized Finish, Add	50.31	
For Black Anodized Finish, Add	100.62	
For >10 To 20, Deduct	-32.17	
For >20 To 40, Deduct	-59.32	
For >40, Deduct	-123.66	
26 56 13 00-0477 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,087.56	275.43
For Bronze Or Satin Anodized Finish, Add	53.67	
For Black Anodized Finish, Add	107.34	
For >10 To 20, Deduct	-35.24	
For >20 To 40, Deduct	-65.11	
For >40, Deduct	-135.59	
26 56 13 00-0478 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,188.87	309.86
For Bronze Or Satin Anodized Finish, Add	56.92	
For Black Anodized Finish, Add	113.83	
For >10 To 20, Deduct	-38.26	
For >20 To 40, Deduct	-70.83	
For >40, Deduct	-147.35	
26 56 13 00-0479 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,244.16	327.07
For Bronze Or Satin Anodized Finish, Add	59.00	
For Black Anodized Finish, Add	118.00	
For >10 To 20, Deduct	-39.95	
For >20 To 40, Deduct	-74.01	
For >40, Deduct	-153.92	
26 56 13 00-0480 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,299.46	344.29
For Bronze Or Satin Anodized Finish, Add	61.09	
For Black Anodized Finish, Add	122.18	
For >10 To 20, Deduct	-41.65	
For >20 To 40, Deduct	-77.19	
For >40, Deduct	-160.49	
26 56 13 00-0481 EA 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,407.73	378.71
For Bronze Or Satin Anodized Finish, Add	65.03	
For Black Anodized Finish, Add	130.06	
For >10 To 20, Deduct	-44.95	
For >20 To 40, Deduct	-83.39	
For >40, Deduct	-173.29	
26 56 13 00-0482 EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,526.42	413.14
For Bronze Or Satin Anodized Finish, Add	70.01	
For Black Anodized Finish, Add	140.03	
For >10 To 20, Deduct	-48.66	
For >20 To 40, Deduct	-90.32	
For >40, Deduct	-187.65	
26 56 13 00-0483 EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,379.44	344.29
For Bronze Or Satin Anodized Finish, Add	69.09	
For Black Anodized Finish, Add	138.17	
For >10 To 20, Deduct	-44.85	
For >20 To 40, Deduct	-82.79	
For >40, Deduct	-172.49	
26 56 13 00-0484 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,490.03	378.71
For Bronze Or Satin Anodized Finish, Add	73.26	
For Black Anodized Finish, Add	146.52	
For >10 To 20, Deduct	-48.24	
For >20 To 40, Deduct	-89.15	
For >40, Deduct	-185.63	
26 56 13 00-0485 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,615.68	413.14
For Bronze Or Satin Anodized Finish, Add	78.94	
For Black Anodized Finish, Add	157.88	
For >10 To 20, Deduct	-52.23	
For >20 To 40, Deduct	-96.57	
For >40, Deduct	-201.04	
26 56 13 00-0486 EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,591.92	327.07
For Bronze Or Satin Anodized Finish, Add	93.78	
For Black Anodized Finish, Add	187.56	
For >10 To 20, Deduct	-53.86	
For >20 To 40, Deduct	-98.35	
For >40, Deduct	-206.08	
26 56 13 00-0487 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,948.37	413.14
For Bronze Or Satin Anodized Finish, Add	112.21	
For Black Anodized Finish, Add	224.42	
For >10 To 20, Deduct	-65.54	
For >20 To 40, Deduct	-119.86	
For >40, Deduct	-250.94	
26 56 13 00-0488 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,368.69	550.86
For Bronze Or Satin Anodized Finish, Add	126.70	
For Black Anodized Finish, Add	253.40	
For >10 To 20, Deduct	-78.22	
For >20 To 40, Deduct	-143.77	
For >40, Deduct	-300.22	
26 56 13 00-0489 EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,687.55	413.14
For Bronze Or Satin Anodized Finish, Add	86.13	
For Black Anodized Finish, Add	172.25	
For >10 To 20, Deduct	-55.11	
For >20 To 40, Deduct	-101.60	
For >40, Deduct	-211.82	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0490	EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,088.63 126.24 252.47 -71.15 -129.68 -271.98	413.14
26 56 13 00-0491	EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,496.20 139.45 278.90 -83.32 -152.70 -319.34	550.86
26 56 13 00-0492	EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,308.87 148.26 296.52 -79.96 -145.10 -305.02	413.14
26 56 13 00-0493	EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,783.68 168.20 336.39 -94.82 -172.82 -362.47	550.86
26 56 13 00-0494	EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,220.47 198.10 396.21 -110.23 -200.64 -421.10	619.71
26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0473)</small>			
Note: Includes rubberized undercoating on embedded portion.			
26 56 13 00-0496	EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	801.01 45.67 91.34 -26.88 -49.18 -102.94	172.14
26 56 13 00-0497	EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	894.55 51.58 103.17 -30.10 -55.04 -115.25	189.36
26 56 13 00-0498	EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	953.32 54.02 108.04 -31.94 -58.47 -122.34	206.57
26 56 13 00-0499	EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	982.30 56.92 113.83 -33.09 -60.50 -126.69	206.57
26 56 13 00-0500	EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,018.23 60.51 121.02 -34.53 -63.01 -132.08	206.57
26 56 13 00-0501	EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,175.53 72.80 145.59 -40.31 -73.34 -153.95	223.79
26 56 13 00-0502	EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,259.81 77.78 155.56 -43.16 -78.55 -164.87	241.00
26 56 13 00-0503	EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,441.80 95.98 191.96 -50.44 -91.29 -192.17	241.00



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,656.72 110.59 221.17 -58.01 -104.95 -220.97	275.43
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,063.59 151.27 302.55 -74.28 -133.43 -282.00	275.43
26 56 13 00-0506			Factory Accessories For Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles.....	107.87	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles	43.21	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles	163.19	
26 56 13 00-0510			Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511			Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0510)</small>		
26 56 13 00-0512			Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0511)</small>		
26 56 13 00-0513	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,471.80 -51.64 -93.39 -196.67	241.00
26 56 13 00-0514	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,599.57 -55.72 -100.95 -212.39	275.43
26 56 13 00-0515	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,729.02 -59.87 -108.64 -228.37	309.86
26 56 13 00-0516	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,856.80 -63.94 -116.20 -244.09	344.29
26 56 13 00-0517	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,014.88 -69.23 -125.89 -264.36	378.71
26 56 13 00-0518	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,146.01 -73.45 -133.70 -280.59	413.14
26 56 13 00-0519	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,344.33 -79.31 -144.82 -303.45	482.00
26 56 13 00-0520	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,540.96 -85.11 -155.83 -326.06	550.86
26 56 13 00-0521	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,677.31 -90.57 -165.38 -346.51	550.86
26 56 13 00-0522	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,865.68 -97.07 -177.19 -371.32	585.29
26 56 13 00-0523	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,054.06 -103.57 -189.00 -396.14	619.71
26 56 13 00-0524	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,626.66 -57.84 -104.23 -219.90	241.00
26 56 13 00-0525	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,724.14 -60.70 -109.67 -231.08	275.43
26 56 13 00-0526	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,823.29 -63.64 -115.24 -242.51	309.86

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,925.82	344.29
		<i>For >10 To 20, Deduct</i>	-66.70	
		<i>For >20 To 40, Deduct</i>	-121.04	
		<i>For >40, Deduct</i>	-254.44	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,036.76	378.71
		<i>For >10 To 20, Deduct</i>	-70.11	
		<i>For >20 To 40, Deduct</i>	-127.42	
		<i>For >40, Deduct</i>	-267.64	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,146.01	413.14
		<i>For >10 To 20, Deduct</i>	-73.45	
		<i>For >20 To 40, Deduct</i>	-133.70	
		<i>For >40, Deduct</i>	-280.59	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,324.13	482.00
		<i>For >10 To 20, Deduct</i>	-78.51	
		<i>For >20 To 40, Deduct</i>	-143.41	
		<i>For >40, Deduct</i>	-300.42	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,540.96	550.86
		<i>For >10 To 20, Deduct</i>	-85.11	
		<i>For >20 To 40, Deduct</i>	-155.83	
		<i>For >40, Deduct</i>	-326.06	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,598.19	550.86
		<i>For >10 To 20, Deduct</i>	-87.40	
		<i>For >20 To 40, Deduct</i>	-159.84	
		<i>For >40, Deduct</i>	-334.64	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,725.97	585.29
		<i>For >10 To 20, Deduct</i>	-91.48	
		<i>For >20 To 40, Deduct</i>	-167.41	
		<i>For >40, Deduct</i>	-350.37	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,853.74	619.71
		<i>For >10 To 20, Deduct</i>	-95.56	
		<i>For >20 To 40, Deduct</i>	-174.97	
		<i>For >40, Deduct</i>	-366.09	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,853.91	241.00
		<i>For >10 To 20, Deduct</i>	-66.93	
		<i>For >20 To 40, Deduct</i>	-120.13	
		<i>For >40, Deduct</i>	-253.99	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,974.96	275.43
		<i>For >10 To 20, Deduct</i>	-70.74	
		<i>For >20 To 40, Deduct</i>	-127.23	
		<i>For >40, Deduct</i>	-268.70	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,095.99	309.86
		<i>For >10 To 20, Deduct</i>	-74.54	
		<i>For >20 To 40, Deduct</i>	-134.33	
		<i>For >40, Deduct</i>	-283.41	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,218.72	344.29
		<i>For >10 To 20, Deduct</i>	-78.42	
		<i>For >20 To 40, Deduct</i>	-141.54	
		<i>For >40, Deduct</i>	-298.38	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,348.18	378.71
		<i>For >10 To 20, Deduct</i>	-82.57	
		<i>For >20 To 40, Deduct</i>	-149.22	
		<i>For >40, Deduct</i>	-314.36	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,487.73	413.14
		<i>For >10 To 20, Deduct</i>	-87.12	
		<i>For >20 To 40, Deduct</i>	-157.62	
		<i>For >40, Deduct</i>	-331.85	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,711.30	482.00
		<i>For >10 To 20, Deduct</i>	-93.99	
		<i>For >20 To 40, Deduct</i>	-170.51	
		<i>For >40, Deduct</i>	-358.50	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,936.54	550.86
		<i>For >10 To 20, Deduct</i>	-100.94	
		<i>For >20 To 40, Deduct</i>	-183.52	
		<i>For >40, Deduct</i>	-385.40	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,024.07	550.86
		<i>For >10 To 20, Deduct</i>	-104.44	
		<i>For >20 To 40, Deduct</i>	-189.65	
		<i>For >40, Deduct</i>	-398.53	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,230.97	585.29
		<i>For >10 To 20, Deduct</i>	-111.68	
		<i>For >20 To 40, Deduct</i>	-202.76	
		<i>For >40, Deduct</i>	-426.12	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,399.14	619.71
		<i>For >10 To 20, Deduct</i>	-117.37	
		<i>For >20 To 40, Deduct</i>	-213.15	
		<i>For >40, Deduct</i>	-447.90	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,532.89	636.93
		<i>For >10 To 20, Deduct</i>	-122.21	
		<i>For >20 To 40, Deduct</i>	-221.83	
		<i>For >40, Deduct</i>	-466.24	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,666.62	654.14
		<i>For >10 To 20, Deduct</i>	-127.04	
		<i>For >20 To 40, Deduct</i>	-230.50	
		<i>For >40, Deduct</i>	-484.58	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0511)</small>		
26 56 13 00-0549 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	909.89	172.14
For >10 To 20, Deduct	-31.23	
For >20 To 40, Deduct	-56.81	
For >40, Deduct	-119.27	
26 56 13 00-0550 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	976.29	189.36
For >10 To 20, Deduct	-33.37	
For >20 To 40, Deduct	-60.77	
For >40, Deduct	-127.51	
26 56 13 00-0551 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,041.02	206.57
For >10 To 20, Deduct	-35.44	
For >20 To 40, Deduct	-64.61	
For >40, Deduct	-135.50	
26 56 13 00-0552 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,069.64	206.57
For >10 To 20, Deduct	-36.59	
For >20 To 40, Deduct	-66.61	
For >40, Deduct	-139.79	
26 56 13 00-0553 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,151.20	223.79
For >10 To 20, Deduct	-39.33	
For >20 To 40, Deduct	-71.63	
For >40, Deduct	-150.30	
26 56 13 00-0554 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,219.30	241.00
For >10 To 20, Deduct	-41.54	
For >20 To 40, Deduct	-75.71	
For >40, Deduct	-158.80	
26 56 13 00-0555 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,292.45	258.21
For >10 To 20, Deduct	-43.95	
For >20 To 40, Deduct	-80.14	
For >40, Deduct	-168.05	
26 56 13 00-0556 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,374.01	275.43
For >10 To 20, Deduct	-46.70	
For >20 To 40, Deduct	-85.16	
For >40, Deduct	-178.56	
26 56 13 00-0557 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,535.61	275.43
For >10 To 20, Deduct	-53.16	
For >20 To 40, Deduct	-96.48	
For >40, Deduct	-202.80	
26 56 13 00-0558 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,731.64	292.64
For >10 To 20, Deduct	-60.49	
For >20 To 40, Deduct	-109.51	
For >40, Deduct	-230.48	
26 56 13 00-0559 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,927.66	309.86
For >10 To 20, Deduct	-67.81	
For >20 To 40, Deduct	-122.54	
For >40, Deduct	-258.16	
26 56 13 00-0560 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,064.76	172.14
For >10 To 20, Deduct	-37.43	
For >20 To 40, Deduct	-67.65	
For >40, Deduct	-142.50	
26 56 13 00-0561 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,139.58	189.36
For >10 To 20, Deduct	-39.90	
For >20 To 40, Deduct	-72.20	
For >40, Deduct	-152.00	
26 56 13 00-0562 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,214.41	206.57
For >10 To 20, Deduct	-42.38	
For >20 To 40, Deduct	-76.75	
For >40, Deduct	-161.50	
26 56 13 00-0563 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,256.49	206.57
For >10 To 20, Deduct	-44.06	
For >20 To 40, Deduct	-79.69	
For >40, Deduct	-167.82	
26 56 13 00-0564 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,331.32	223.79
For >10 To 20, Deduct	-46.54	
For >20 To 40, Deduct	-84.24	
For >40, Deduct	-177.32	
26 56 13 00-0565 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,406.15	241.00
For >10 To 20, Deduct	-49.02	
For >20 To 40, Deduct	-88.79	
For >40, Deduct	-186.82	
26 56 13 00-0566 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,480.98	258.21
For >10 To 20, Deduct	-51.49	
For >20 To 40, Deduct	-93.34	
For >40, Deduct	-196.33	
26 56 13 00-0567 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,594.52	275.43
For >10 To 20, Deduct	-55.52	
For >20 To 40, Deduct	-100.60	
For >40, Deduct	-211.64	
26 56 13 00-0568 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,751.07	275.43
For >10 To 20, Deduct	-61.78	
For >20 To 40, Deduct	-111.56	
For >40, Deduct	-235.12	
26 56 13 00-0569 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,943.74	292.64
For >10 To 20, Deduct	-68.97	
For >20 To 40, Deduct	-124.36	
For >40, Deduct	-262.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,134.71	309.86
			<i>For >10 To 20, Deduct</i>	-76.09	
			<i>For >20 To 40, Deduct</i>	-137.04	
			<i>For >40, Deduct</i>	-289.22	
26 56	13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,201.11	172.14
			<i>For >10 To 20, Deduct</i>	-42.88	
			<i>For >20 To 40, Deduct</i>	-77.19	
			<i>For >40, Deduct</i>	-162.95	
26 56	13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,265.82	189.36
			<i>For >10 To 20, Deduct</i>	-44.95	
			<i>For >20 To 40, Deduct</i>	-81.03	
			<i>For >40, Deduct</i>	-170.94	
26 56	13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,328.87	206.57
			<i>For >10 To 20, Deduct</i>	-46.96	
			<i>For >20 To 40, Deduct</i>	-84.76	
			<i>For >40, Deduct</i>	-178.67	
26 56	13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,357.49	206.57
			<i>For >10 To 20, Deduct</i>	-48.10	
			<i>For >20 To 40, Deduct</i>	-86.76	
			<i>For >40, Deduct</i>	-182.97	
26 56	13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,420.53	223.79
			<i>For >10 To 20, Deduct</i>	-50.11	
			<i>For >20 To 40, Deduct</i>	-90.49	
			<i>For >40, Deduct</i>	-190.70	
26 56	13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,485.26	241.00
			<i>For >10 To 20, Deduct</i>	-52.18	
			<i>For >20 To 40, Deduct</i>	-94.33	
			<i>For >40, Deduct</i>	-198.69	
26 56	13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,607.23	258.21
			<i>For >10 To 20, Deduct</i>	-56.54	
			<i>For >20 To 40, Deduct</i>	-102.18	
			<i>For >40, Deduct</i>	-215.26	
26 56	13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,749.39	275.43
			<i>For >10 To 20, Deduct</i>	-61.71	
			<i>For >20 To 40, Deduct</i>	-111.44	
			<i>For >40, Deduct</i>	-234.87	
26 56	13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,847.02	275.43
			<i>For >10 To 20, Deduct</i>	-65.62	
			<i>For >20 To 40, Deduct</i>	-118.27	
			<i>For >40, Deduct</i>	-249.51	
26 56	13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,980.77	292.64
			<i>For >10 To 20, Deduct</i>	-70.45	
			<i>For >20 To 40, Deduct</i>	-126.95	
			<i>For >40, Deduct</i>	-267.85	
26 56	13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,114.51	309.86
			<i>For >10 To 20, Deduct</i>	-75.28	
			<i>For >20 To 40, Deduct</i>	-135.62	
			<i>For >40, Deduct</i>	-286.19	
26 56	13 00-0582		Factory Accessories For Fiberglass Area Light Poles <small>(26 56 13 00-0510)</small>		
	26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	59.68	
	26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	59.68	
	26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles.....	113.24	
	26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	149.97	
26 56	13 00-0587		Concrete Area Light Poles <small>(26 56 13 00-0177)</small>		
26 56	13 00-0588		Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base <small>(26 56 13 00-0587)</small>		
	26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,252.01	585.29
	26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,374.95	619.71
	26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,462.20	636.93
	26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,029.53	654.14
	26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,356.57	688.57
	26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,164.45	895.14
	26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,995.80	1,101.71
	26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,731.07	585.29
			Note: Polished brown with acrylic coating finish.		
	26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,447.30	619.71
			Note: Polished brown with acrylic coating finish.		
	26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	698.85	206.57
	26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,832.55	413.01
	26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	270.66	84.28
	26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	555.49	168.56
26 56	13 00-0602		Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0587)</small>		
			Note: Round or square.		
	26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,337.28	275.43
	26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,648.73	344.29
	26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,932.44	413.14
	26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,096.19	619.71



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,709.49	654.14
	26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,372.02	688.57
	26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,249.91	895.14
	26 56 13 00-0610		Round Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0587)</small>		
	26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	18,631.57	1,549.27
	26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	22,196.71	1,897.48
	26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	26,333.26	2,563.25
	26 56 13 00-0614		Treated Wood Area Light Poles <small>(26 56 13 00-0177)</small> See CSI section 26 05 46 00-0001 for wood poles.		
	26 56 13 00-0615		Cast Iron Decorative Light Posts <small>(26 56 13 00-0177)</small>		
	26 56 13 00-0616		Round Tapered, Cast Iron Decorative Light Post, Anchor Base <small>(26 56 13 00-0615)</small> Note: As manufactured by Hadco and King Luminaries or an approved equal.		
	26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,567.07	172.14
	26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,651.88	198.31
	26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,791.66	206.57
	26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,201.90	241.00
	26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,572.60	261.66
	26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,961.28	282.31
	26 56 13 00-0623		Landscape Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
	26 56 13 00-0624		Aluminum Landscape Light Poles <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
	26 56 13 00-0625		Round Straight, Aluminum Landscape Light Poles <small>(26 56 13 00-0624)</small>		
	26 56 13 00-0626		Round Straight, Aluminum Landscape Light Poles, Anchor Base <small>(26 56 13 00-0625)</small>		
	26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	516.30	206.57
	26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	877.33	275.43
	26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0625)</small>		
	26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	467.75	206.57
	26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	828.78	275.43
	26 56 13 00-0632		Steel Landscape Light Poles <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
	26 56 13 00-0633		Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0632)</small>		
	26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0633)</small>		
	26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	597.30	206.57
	26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0633)</small>		
	26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	556.05	206.57
	26 56 13 00-0638		Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		
	26 56 13 00-0639		Light Pole Brackets <small>(26 56 13 00-0638)</small>		
	26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
	26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>		
	26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small> Note: Includes powdercoat finish.		
	26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	821.16	41.32
			<i>For Galvanized Finish, Add</i>	73.85	
	26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,043.98	41.32
			<i>For Galvanized Finish, Add</i>	96.14	
	26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,112.00	41.32
			<i>For Galvanized Finish, Add</i>	102.94	
	26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,531.85	41.32
			<i>For Galvanized Finish, Add</i>	144.92	
	26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,597.23	41.32
			<i>For Galvanized Finish, Add</i>	151.46	
	26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small> Note: Includes satin brushed or painted finish.		
	26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	271.58	41.32
			<i>For Bronze Or Satin Anodized Finish, Add</i>	18.90	
			<i>For Black Anodized Finish, Add</i>	37.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0650 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	331.85	41.32
For Bronze Or Satin Anodized Finish, Add	24.92	
For Black Anodized Finish, Add	49.84	
26 56 13 00-0651 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	348.08	41.32
For Bronze Or Satin Anodized Finish, Add	26.55	
For Black Anodized Finish, Add	53.09	
26 56 13 00-0652 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	404.88	41.32
For Bronze Or Satin Anodized Finish, Add	32.23	
For Black Anodized Finish, Add	64.45	
26 56 13 00-0653 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	416.47	41.32
For Bronze Or Satin Anodized Finish, Add	33.38	
For Black Anodized Finish, Add	66.77	
26 56 13 00-0654 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)		
Note: Includes powdercoat finish.		
26 56 13 00-0656 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	884.79	41.32
For Galvanized Finish, Add	80.22	
26 56 13 00-0657 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	1,098.22	41.32
For Galvanized Finish, Add	101.56	
26 56 13 00-0658 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	1,348.90	41.32
For Galvanized Finish, Add	126.63	
26 56 13 00-0659 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	1,600.74	41.32
For Galvanized Finish, Add	151.81	
26 56 13 00-0660 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)		
Note: Includes powdercoat finish.		
26 56 13 00-0662 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	820.83	68.86
26 56 13 00-0663 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	1,257.68	68.86
26 56 13 00-0664 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	1,774.56	68.86
26 56 13 00-0665 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	1,944.61	68.86
26 56 13 00-0666 Light Pole Arms (26 56 13 00-0638)		
26 56 13 00-0667 Wood Pole Streetlight Arms (26 56 13 00-0666)		
26 56 13 00-0668 Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	464.62	61.97
26 56 13 00-0670 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	489.83	68.86
26 56 13 00-0671 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	564.42	86.07
26 56 13 00-0672 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	699.16	68.86
26 56 13 00-0673 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	773.17	86.07
26 56 13 00-0674 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	939.24	103.29
26 56 13 00-0675 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	267.51	68.86
26 56 13 00-0677 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	334.08	68.86
26 56 13 00-0678 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	447.60	86.07
26 56 13 00-0679 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	588.71	103.29
26 56 13 00-0680 Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681 Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	916.59	68.86
26 56 13 00-0683 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,456.71	75.75
26 56 13 00-0684 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,619.56	82.63
26 56 13 00-0685 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,928.46	89.52
26 56 13 00-0686 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	1,090.97	86.07
26 56 13 00-0687 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,576.33	92.96
26 56 13 00-0688 Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	326.66	68.86
26 56 13 00-0690 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	402.82	86.07
26 56 13 00-0691 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	481.30	103.29
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	324.34	68.86
26 56 13 00-0693 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	463.30	75.75
26 56 13 00-0694 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	398.18	86.07
26 56 13 00-0695 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	564.96	92.96
26 56 13 00-0696 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	483.61	103.29
26 56 13 00-0697 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	686.33	110.18
26 56 13 00-0698 Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0699 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,272.51	
26 56 13 00-0700 High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0701 High Mast Lighting Assemblies <small>(26 56 13 00-0700)</small>		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702 EA 60' High Mast Lighting Assembly	57,122.23	2,106.26
26 56 13 00-0703 EA 70' High Mast Lighting Assembly	60,340.00	2,206.00
26 56 13 00-0704 EA 80' High Mast Lighting Assembly	63,591.21	2,350.07
26 56 13 00-0705 EA 90' High Mast Lighting Assembly	66,873.87	2,538.48
26 56 13 00-0706 EA 100' High Mast Lighting Assembly	70,173.32	2,771.15
26 56 13 00-0707 EA 110' High Mast Lighting Assembly	74,419.10	3,048.47
26 56 13 00-0708 EA 120' High Mast Lighting Assembly	77,846.64	3,325.57
26 56 13 00-0709 EA 130' High Mast Lighting Assembly	81,010.86	3,602.67
26 56 13 00-0710 EA 140' High Mast Lighting Assembly	84,438.40	3,879.90
26 56 13 00-0711 EA 150' High Mast Lighting Assembly	88,610.98	4,157.00
26 56 13 00-0712 High Mast Light Poles <small>(26 56 13 00-0700)</small>		
26 56 13 00-0713 EA 60' High Mast Light Poles	21,667.28	1,264.98
26 56 13 00-0714 EA 70' High Mast Light Poles	24,855.10	1,324.91
26 56 13 00-0715 EA 80' High Mast Light Poles	28,063.03	1,411.46
26 56 13 00-0716 EA 90' High Mast Light Poles	31,289.11	1,524.63
26 56 13 00-0717 EA 100' High Mast Light Poles	34,535.30	1,664.45
26 56 13 00-0718 EA 110' High Mast Light Poles	37,801.59	1,830.90
26 56 13 00-0719 EA 120' High Mast Light Poles	40,268.22	1,997.34
26 56 13 00-0720 EA 130' High Mast Light Poles	40,305.80	3,701.74
26 56 13 00-0721 EA 140' High Mast Light Poles	44,936.22	2,330.23
26 56 13 00-0722 EA 150' High Mast Light Poles	47,668.10	2,496.67
26 56 13 00-0723 High Mast Lighting Accessories <small>(26 56 13 00-0700)</small>		
See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724 EA Bottom Latching System For High Mast Lighting	1,003.18	
26 56 13 00-0725 EA Top Latching System For High Mast Lighting	2,844.16	
26 56 13 00-0726 EA Centering Springs For High Mast Lighting	2,154.08	
26 56 13 00-0727 EA Electric Power Cord For High Mast Lighting	904.24	
26 56 13 00-0728 EA Aircraft Warning Lights For High Mast Lighting	1,682.65	
26 56 13 00-0729 EA Internal Motorized Hoist For High Mast Lighting	18,449.71	
26 56 13 00-0730 EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting	18,553.41	
26 56 13 00-0731 Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0732 Concrete Bases, Cast In Place <small>(26 56 13 00-0731)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733 EA Cast In Place Concrete Base For Poles Minimum Charge	376.91	
Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734 VLF 1-1/2' Diameter Concrete Base For Poles	65.66	
26 56 13 00-0735 VLF 2' Diameter Concrete Base For Poles	91.48	
26 56 13 00-0736 VLF 2-1/2' Diameter Concrete Base For Poles	122.84	
26 56 13 00-0737 VLF 3' Diameter Concrete Base For Poles	160.85	
26 56 13 00-0738 VLF 3-1/2' Diameter Concrete Base For Poles	214.81	
26 56 13 00-0739 VLF 4' Diameter Concrete Base For Poles	269.77	
26 56 13 00-0740 VLF 5' Diameter Concrete Base For Poles	390.76	
26 56 13 00-0741 VLF 6' Diameter Concrete Base For Poles	536.61	
26 56 18 Incandescent Exterior Lighting <small>(26 56)</small>		
26 56 18 00-0001 Exterior Globe <small>(26 56 18)</small>		
26 56 18 00-0002 Incandescent, Exterior Globe <small>(26 56 18 00-0001)</small>		
26 56 18 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	59.57	22.37
26 56 18 00-0004 EA 150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	90.17	22.37
26 56 18 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	69.32	22.37
26 56 18 00-0006 EA 150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	93.93	22.37
26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 18)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	265.83	89.51
26 56 18 00-0009 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	277.07	95.10
26 56 18 00-0010 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	305.27	100.70
26 56 18 00-0011 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	295.71	111.88
26 56 18 00-0012 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	332.76	128.67

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19	LED Exterior Lighting <small>(26 56)</small>		
26 56 19 00-0001	LED, Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0002	LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0003	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0002)</small>		
	Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0004	EA 49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	1,450.86	165.78
	<i>For >50 To 100, Deduct</i>	-72.54	
	<i>For >100 To 250, Deduct</i>	-108.81	
	<i>For >250 To 500, Deduct</i>	-173.07	
	<i>For >500 To 1000, Deduct</i>	-237.32	
	<i>For >1000, Deduct</i>	-301.58	
26 56 19 00-0005	EA 98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,250.31	170.26
	<i>For >50 To 100, Deduct</i>	-112.52	
	<i>For >100 To 250, Deduct</i>	-168.77	
	<i>For >250 To 500, Deduct</i>	-272.78	
	<i>For >500 To 1000, Deduct</i>	-376.78	
	<i>For >1000, Deduct</i>	-480.78	
26 56 19 00-0006	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 19 00-0002)</small>		
	Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0007	EA 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	1,169.55	165.78
	<i>For >50 To 100, Deduct</i>	-58.48	
	<i>For >100 To 250, Deduct</i>	-87.72	
	<i>For >250 To 500, Deduct</i>	-137.90	
	<i>For >500 To 1000, Deduct</i>	-188.09	
	<i>For >1000, Deduct</i>	-238.28	
26 56 19 00-0008	EA 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,253.35	165.78
	<i>For >50 To 100, Deduct</i>	-62.67	
	<i>For >100 To 250, Deduct</i>	-94.00	
	<i>For >250 To 500, Deduct</i>	-148.38	
	<i>For >500 To 1000, Deduct</i>	-202.76	
	<i>For >1000, Deduct</i>	-257.14	
26 56 19 00-0009	EA 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,337.15	165.78
	<i>For >50 To 100, Deduct</i>	-66.86	
	<i>For >100 To 250, Deduct</i>	-100.29	
	<i>For >250 To 500, Deduct</i>	-158.85	
	<i>For >500 To 1000, Deduct</i>	-217.42	
	<i>For >1000, Deduct</i>	-275.99	
26 56 19 00-0010	LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0011	Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0010)</small>		
	Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0012	EA 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,354.79	156.82
	<i>For >50 To 100, Deduct</i>	-117.74	
	<i>For >100 To 250, Deduct</i>	-176.61	
	<i>For >250 To 500, Deduct</i>	-286.51	
	<i>For >500 To 1000, Deduct</i>	-396.41	
	<i>For >1000, Deduct</i>	-506.30	
26 56 19 00-0013	EA 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	3,903.54	161.30
	<i>For >50 To 100, Deduct</i>	-195.18	
	<i>For >100 To 250, Deduct</i>	-292.77	
	<i>For >250 To 500, Deduct</i>	-479.88	
	<i>For >500 To 1000, Deduct</i>	-666.99	
	<i>For >1000, Deduct</i>	-854.10	
26 56 19 00-0014	LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0015	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0014)</small>		
	Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0016	EA		20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	956.99	152.34
			<i>For >50 To 100, Deduct</i>	-47.85	
			<i>For >100 To 250, Deduct</i>	-71.77	
			<i>For >250 To 500, Deduct</i>	-112.01	
			<i>For >500 To 1000, Deduct</i>	-152.24	
			<i>For >1000, Deduct</i>	-192.47	
26 56 19 00-0017	EA		30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,076.57	156.82
			<i>For >50 To 100, Deduct</i>	-53.83	
			<i>For >100 To 250, Deduct</i>	-80.74	
			<i>For >250 To 500, Deduct</i>	-126.73	
			<i>For >500 To 1000, Deduct</i>	-172.72	
			<i>For >1000, Deduct</i>	-218.71	
26 56 19 00-0018	EA		40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,220.96	161.30
			<i>For >50 To 100, Deduct</i>	-61.05	
			<i>For >100 To 250, Deduct</i>	-91.57	
			<i>For >250 To 500, Deduct</i>	-144.55	
			<i>For >500 To 1000, Deduct</i>	-197.54	
			<i>For >1000, Deduct</i>	-250.52	
26 56 19 00-0019	EA		50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,342.45	165.78
			<i>For >50 To 100, Deduct</i>	-67.12	
			<i>For >100 To 250, Deduct</i>	-100.68	
			<i>For >250 To 500, Deduct</i>	-159.52	
			<i>For >500 To 1000, Deduct</i>	-218.35	
			<i>For >1000, Deduct</i>	-277.18	
26 56 19 00-0020	EA		60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,463.94	170.26
			<i>For >50 To 100, Deduct</i>	-73.20	
			<i>For >100 To 250, Deduct</i>	-109.80	
			<i>For >250 To 500, Deduct</i>	-174.48	
			<i>For >500 To 1000, Deduct</i>	-239.16	
			<i>For >1000, Deduct</i>	-303.85	
26 56 19 00-0021	EA		70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,753.28	174.75
			<i>For >50 To 100, Deduct</i>	-87.66	
			<i>For >100 To 250, Deduct</i>	-131.50	
			<i>For >250 To 500, Deduct</i>	-210.42	
			<i>For >500 To 1000, Deduct</i>	-289.35	
			<i>For >1000, Deduct</i>	-368.28	
26 56 19 00-0022	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,874.77	179.23
			<i>For >50 To 100, Deduct</i>	-93.74	
			<i>For >100 To 250, Deduct</i>	-140.61	
			<i>For >250 To 500, Deduct</i>	-225.39	
			<i>For >500 To 1000, Deduct</i>	-310.16	
			<i>For >1000, Deduct</i>	-394.94	
26 56 19 00-0023	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,994.36	183.71
			<i>For >50 To 100, Deduct</i>	-99.72	
			<i>For >100 To 250, Deduct</i>	-149.58	
			<i>For >250 To 500, Deduct</i>	-240.11	
			<i>For >500 To 1000, Deduct</i>	-330.64	
			<i>For >1000, Deduct</i>	-421.18	
26 56 19 00-0024	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,228.38	188.19
			<i>For >50 To 100, Deduct</i>	-111.42	
			<i>For >100 To 250, Deduct</i>	-167.13	
			<i>For >250 To 500, Deduct</i>	-269.14	
			<i>For >500 To 1000, Deduct</i>	-371.15	
			<i>For >1000, Deduct</i>	-473.16	
26 56 19 00-0025	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,349.87	192.67
			<i>For >50 To 100, Deduct</i>	-117.49	
			<i>For >100 To 250, Deduct</i>	-176.24	
			<i>For >250 To 500, Deduct</i>	-284.10	
			<i>For >500 To 1000, Deduct</i>	-391.96	
			<i>For >1000, Deduct</i>	-499.82	
26 56 19 00-0026	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,471.37	197.15
			<i>For >50 To 100, Deduct</i>	-123.57	
			<i>For >100 To 250, Deduct</i>	-185.35	
			<i>For >250 To 500, Deduct</i>	-299.06	
			<i>For >500 To 1000, Deduct</i>	-412.78	
			<i>For >1000, Deduct</i>	-526.49	

26 56 19 00-0027 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) (26 56 19 00-0014)

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0028	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,917.13	161.30
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-95.86	
			<i>For >100 To 250, Deduct</i>	-143.78	
			<i>For >250 To 500, Deduct</i>	-231.58	
			<i>For >500 To 1000, Deduct</i>	-319.37	
			<i>For >1000, Deduct</i>	-407.16	
26 56 19 00-0029	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,215.43	170.26
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-110.77	
			<i>For >100 To 250, Deduct</i>	-166.16	
			<i>For >250 To 500, Deduct</i>	-268.42	
			<i>For >500 To 1000, Deduct</i>	-370.67	
			<i>For >1000, Deduct</i>	-472.93	
26 56 19 00-0030	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,513.73	179.23
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-125.69	
			<i>For >100 To 250, Deduct</i>	-188.53	
			<i>For >250 To 500, Deduct</i>	-305.26	
			<i>For >500 To 1000, Deduct</i>	-421.98	
			<i>For >1000, Deduct</i>	-538.71	
26 56 19 00-0031	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,812.02	188.19
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-140.60	
			<i>For >100 To 250, Deduct</i>	-210.90	
			<i>For >250 To 500, Deduct</i>	-342.09	
			<i>For >500 To 1000, Deduct</i>	-473.29	
			<i>For >1000, Deduct</i>	-604.48	
26 56 19 00-0032	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,705.41	197.15
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-185.27	
			<i>For >100 To 250, Deduct</i>	-277.91	
			<i>For >250 To 500, Deduct</i>	-453.32	
			<i>For >500 To 1000, Deduct</i>	-628.73	
			<i>For >1000, Deduct</i>	-804.15	
26 56 19 00-0033	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,003.71	206.11
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-200.19	
			<i>For >100 To 250, Deduct</i>	-300.28	
			<i>For >250 To 500, Deduct</i>	-490.16	
			<i>For >500 To 1000, Deduct</i>	-680.04	
			<i>For >1000, Deduct</i>	-869.92	
26 56 19 00-0034	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,302.01	215.07
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-215.10	
			<i>For >100 To 250, Deduct</i>	-322.65	
			<i>For >250 To 500, Deduct</i>	-527.00	
			<i>For >500 To 1000, Deduct</i>	-731.34	
			<i>For >1000, Deduct</i>	-935.69	
26 56 19 00-0035			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0014)</small>		
			Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0036	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	792.65	161.30
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	37.40	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	58.64	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For >50 To 100, Deduct</i>	-39.63	
			<i>For >100 To 250, Deduct</i>	-59.45	
			<i>For >250 To 500, Deduct</i>	-91.02	
			<i>For >500 To 1000, Deduct</i>	-122.58	
			<i>For >1000, Deduct</i>	-154.15	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0037 EA 5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	792.65	161.30
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Backlight Control Shield, Add	37.40	
For Field Adjustable Output, Add	33.75	
For Bird Spikes, Add	58.64	
For Field Adjustable Output And Utility Label, Add	44.99	
For Fuse, Add	67.48	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
For 480 Volt, Add	101.23	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-39.63	
For >100 To 250, Deduct	-59.45	
For >250 To 500, Deduct	-91.02	
For >500 To 1000, Deduct	-122.58	
For >1000, Deduct	-154.15	
26 56 19 00-0038 EA 8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	877.68	161.30
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Backlight Control Shield, Add	37.40	
For Field Adjustable Output, Add	33.75	
For Bird Spikes, Add	58.64	
For Field Adjustable Output And Utility Label, Add	44.99	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
For 480 Volt, Add	101.23	
For >50 To 100, Deduct	-43.88	
For >100 To 250, Deduct	-65.83	
For >250 To 500, Deduct	-101.64	
For >500 To 1000, Deduct	-137.46	
For >1000, Deduct	-173.28	
26 56 19 00-0039 EA 8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	877.68	161.30
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Backlight Control Shield, Add	37.40	
For Field Adjustable Output, Add	33.75	
For Bird Spikes, Add	58.64	
For Field Adjustable Output And Utility Label, Add	44.99	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
For 480 Volt, Add	101.23	
For >50 To 100, Deduct	-43.88	
For >100 To 250, Deduct	-65.83	
For >250 To 500, Deduct	-101.64	
For >500 To 1000, Deduct	-137.46	
For >1000, Deduct	-173.28	
26 56 19 00-0040 EA 9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,028.84	161.30
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	53.91	
For Field Adjustable Output And Utility Label, Add	44.99	
For Fuse, Add	67.48	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
For Bird Spikes, Add	96.45	
For 480 Volt, Add	101.23	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-51.44	
For >100 To 250, Deduct	-77.16	
For >250 To 500, Deduct	-120.54	
For >500 To 1000, Deduct	-163.92	
For >1000, Deduct	-207.29	
26 56 19 00-0041 EA 10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,028.84	161.30
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	53.91	
For Field Adjustable Output And Utility Label, Add	44.99	
For Fuse, Add	67.48	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
For Bird Spikes, Add	96.45	
For 480 Volt, Add	101.23	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-51.44	
For >100 To 250, Deduct	-77.16	
For >250 To 500, Deduct	-120.54	
For >500 To 1000, Deduct	-163.92	
For >1000, Deduct	-207.29	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 19 00-0042	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,170.57		161.30
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		22.49	
		<i>For Field Adjustable Output, Add</i>		33.75	
		<i>For Backlight Control Shield, Add</i>		53.91	
		<i>For Field Adjustable Output And Utility Label, Add</i>		44.99	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		67.48	
		<i>For Bird Spikes, Add</i>		96.45	
		<i>For 480 Volt, Add</i>		101.23	
		<i>For >50 To 100, Deduct</i>		-58.53	
		<i>For >100 To 250, Deduct</i>		-87.79	
		<i>For >250 To 500, Deduct</i>		-138.26	
		<i>For >500 To 1000, Deduct</i>		-188.72	
		<i>For >1000, Deduct</i>		-239.18	
26 56 19 00-0043	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,170.57		161.30
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		22.49	
		<i>For Field Adjustable Output, Add</i>		33.75	
		<i>For Backlight Control Shield, Add</i>		53.91	
		<i>For Field Adjustable Output And Utility Label, Add</i>		44.99	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		67.48	
		<i>For Bird Spikes, Add</i>		96.45	
		<i>For 480 Volt, Add</i>		101.23	
		<i>For >50 To 100, Deduct</i>		-58.53	
		<i>For >100 To 250, Deduct</i>		-87.79	
		<i>For >250 To 500, Deduct</i>		-138.26	
		<i>For >500 To 1000, Deduct</i>		-188.72	
		<i>For >1000, Deduct</i>		-239.18	
26 56 19 00-0044	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	641.48		161.30
		<i>For Utility Label, Add</i>		11.24	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		22.49	
		<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		33.75	
		<i>For 0 To 10 Volt Dimming, Add</i>		67.48	
		<i>For >50 To 100, Deduct</i>		-32.07	
		<i>For >100 To 250, Deduct</i>		-48.11	
		<i>For >250 To 500, Deduct</i>		-72.12	
		<i>For >500 To 1000, Deduct</i>		-96.13	
		<i>For >1000, Deduct</i>		-120.14	
26 56 19 00-0045	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	641.48		161.30
		<i>For Utility Label, Add</i>		11.24	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		22.49	
		<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		33.75	
		<i>For 0 To 10 Volt Dimming, Add</i>		67.48	
		<i>For >50 To 100, Deduct</i>		-32.07	
		<i>For >100 To 250, Deduct</i>		-48.11	
		<i>For >250 To 500, Deduct</i>		-72.12	
		<i>For >500 To 1000, Deduct</i>		-96.13	
		<i>For >1000, Deduct</i>		-120.14	
26 56 19 00-0046	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	676.91		161.30
		<i>For Utility Label, Add</i>		11.24	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		22.49	
		<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		33.75	
		<i>For 0 To 10 Volt Dimming, Add</i>		67.48	
		<i>For >50 To 100, Deduct</i>		-33.85	
		<i>For >100 To 250, Deduct</i>		-50.77	
		<i>For >250 To 500, Deduct</i>		-76.55	
		<i>For >500 To 1000, Deduct</i>		-102.33	
		<i>For >1000, Deduct</i>		-128.11	
26 56 19 00-0047	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	676.91		161.30
		<i>For Utility Label, Add</i>		11.24	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		22.49	
		<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		33.75	
		<i>For 0 To 10 Volt Dimming, Add</i>		67.48	
		<i>For >50 To 100, Deduct</i>		-33.85	
		<i>For >100 To 250, Deduct</i>		-50.77	
		<i>For >250 To 500, Deduct</i>		-76.55	
		<i>For >500 To 1000, Deduct</i>		-102.33	
		<i>For >1000, Deduct</i>		-128.11	
26 56 19 00-0048	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	688.72		161.30
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		22.49	
		<i>For Field Adjustable Output, Add</i>		33.75	
		<i>For Field Adjustable Output And Utility Label, Add</i>		44.99	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>		67.48	
		<i>For 0 To 10 Volt Dimming, Add</i>		67.48	
		<i>For >50 To 100, Deduct</i>		-34.44	
		<i>For >100 To 250, Deduct</i>		-51.65	
		<i>For >250 To 500, Deduct</i>		-78.02	
		<i>For >500 To 1000, Deduct</i>		-104.40	
		<i>For >1000, Deduct</i>		-130.77	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0049 EA 4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	688.72	161.30
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Field Adjustable Output, Add	33.75	
For Field Adjustable Output And Utility Label, Add	44.99	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For >50 To 100, Deduct	-34.44	
For >100 To 250, Deduct	-51.65	
For >250 To 500, Deduct	-78.02	
For >500 To 1000, Deduct	-104.40	
For >1000, Deduct	-130.77	
26 56 19 00-0050 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)		
<small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0051 EA 3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	665.11	161.30
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	72.37	
For Bird Spikes, Add	97.11	
For >50 To 100, Deduct	-33.26	
For >100 To 250, Deduct	-49.88	
For >250 To 500, Deduct	-75.07	
For >500 To 1000, Deduct	-100.26	
For >1000, Deduct	-125.45	
26 56 19 00-0052 EA 3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	665.11	161.30
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	72.37	
For Bird Spikes, Add	97.11	
For >50 To 100, Deduct	-33.26	
For >100 To 250, Deduct	-49.88	
For >250 To 500, Deduct	-75.07	
For >500 To 1000, Deduct	-100.26	
For >1000, Deduct	-125.45	
26 56 19 00-0053 EA 5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	688.72	161.30
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	72.37	
For Bird Spikes, Add	97.11	
For >50 To 100, Deduct	-34.44	
For >100 To 250, Deduct	-51.65	
For >250 To 500, Deduct	-78.02	
For >500 To 1000, Deduct	-104.40	
For >1000, Deduct	-130.77	
26 56 19 00-0054 EA 5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	688.72	161.30
For Field Adjustable Output, Add	33.75	
For Backlight Control Shield, Add	72.37	
For Bird Spikes, Add	97.11	
For >50 To 100, Deduct	-34.44	
For >100 To 250, Deduct	-51.65	
For >250 To 500, Deduct	-78.02	
For >500 To 1000, Deduct	-104.40	
For >1000, Deduct	-130.77	
26 56 19 00-0055 LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0056 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0055)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057 EA 1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,024.52	161.30
For >50 To 100, Deduct	-51.23	
For >100 To 250, Deduct	-76.84	
For >250 To 500, Deduct	-120.00	
For >500 To 1000, Deduct	-163.16	
For >1000, Deduct	-206.32	
26 56 19 00-0058 EA 2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,392.69	179.23
For >50 To 100, Deduct	-69.63	
For >100 To 250, Deduct	-104.45	
For >250 To 500, Deduct	-165.13	
For >500 To 1000, Deduct	-225.80	
For >1000, Deduct	-286.47	
26 56 19 00-0059 EA 3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,492.44	206.11
For >50 To 100, Deduct	-74.62	
For >100 To 250, Deduct	-111.93	
For >250 To 500, Deduct	-176.25	
For >500 To 1000, Deduct	-240.57	
For >1000, Deduct	-304.88	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0060	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,229.11	224.03
		<i>For >50 To 100, Deduct</i>	-111.46	
		<i>For >100 To 250, Deduct</i>	-167.18	
		<i>For >250 To 500, Deduct</i>	-267.44	
		<i>For >500 To 1000, Deduct</i>	-367.69	
		<i>For >1000, Deduct</i>	-467.95	
26 56 19 00-0061	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,927.60	255.05
		<i>For >50 To 100, Deduct</i>	-146.38	
		<i>For >100 To 250, Deduct</i>	-219.57	
		<i>For >250 To 500, Deduct</i>	-353.20	
		<i>For >500 To 1000, Deduct</i>	-486.83	
		<i>For >1000, Deduct</i>	-620.45	
26 56 19 00-0062		LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0063		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0062)</small>		
		Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,235.16	156.82
		<i>For >50 To 100, Deduct</i>	-61.76	
		<i>For >100 To 250, Deduct</i>	-92.64	
		<i>For >250 To 500, Deduct</i>	-146.55	
		<i>For >500 To 1000, Deduct</i>	-200.47	
		<i>For >1000, Deduct</i>	-254.39	
26 56 19 00-0065	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,344.77	158.54
		<i>For >50 To 100, Deduct</i>	-67.24	
		<i>For >100 To 250, Deduct</i>	-100.86	
		<i>For >250 To 500, Deduct</i>	-160.17	
		<i>For >500 To 1000, Deduct</i>	-219.48	
		<i>For >1000, Deduct</i>	-278.79	
26 56 19 00-0066	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,430.98	161.30
		<i>For >50 To 100, Deduct</i>	-71.55	
		<i>For >100 To 250, Deduct</i>	-107.32	
		<i>For >250 To 500, Deduct</i>	-170.81	
		<i>For >500 To 1000, Deduct</i>	-234.29	
		<i>For >1000, Deduct</i>	-297.77	
26 56 19 00-0067		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0062)</small>		
		Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	809.28	153.03
		<i>For >50 To 100, Deduct</i>	-40.46	
		<i>For >100 To 250, Deduct</i>	-60.70	
		<i>For >250 To 500, Deduct</i>	-93.51	
		<i>For >500 To 1000, Deduct</i>	-126.32	
		<i>For >1000, Deduct</i>	-159.13	
26 56 19 00-0069	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	867.88	155.79
		<i>For >50 To 100, Deduct</i>	-43.39	
		<i>For >100 To 250, Deduct</i>	-65.09	
		<i>For >250 To 500, Deduct</i>	-100.70	
		<i>For >500 To 1000, Deduct</i>	-136.30	
		<i>For >1000, Deduct</i>	-171.91	
26 56 19 00-0070	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	960.45	158.54
		<i>For >50 To 100, Deduct</i>	-48.02	
		<i>For >100 To 250, Deduct</i>	-72.03	
		<i>For >250 To 500, Deduct</i>	-112.13	
		<i>For >500 To 1000, Deduct</i>	-152.22	
		<i>For >1000, Deduct</i>	-192.32	
26 56 19 00-0071		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0062)</small>		
		Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0072	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	1,022.03	158.54
		<i>For 0 To 10 Volt Dimming, Add</i>	91.72	
		<i>For 480 Volt, Add</i>	91.72	
		<i>For >50 To 100, Deduct</i>	-51.10	
		<i>For >100 To 250, Deduct</i>	-76.65	
		<i>For >250 To 500, Deduct</i>	-119.83	
		<i>For >500 To 1000, Deduct</i>	-163.00	
		<i>For >1000, Deduct</i>	-206.18	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0073	EA		16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130) <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,135.20 91.72 27.67 -56.76 -85.14 -133.90 -182.67 -231.43	159.92
26 56 19 00-0074	EA		19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150) <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,222.89 91.72 114.64 -61.14 -91.72 -144.80 -197.88 -250.95	161.30
26 56 19 00-0075			LED Roadway Lighting (General Electric) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0076			Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0075)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0077	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) <i>For LightGrid™ Wireless Outdoor Controller, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	614.79 20.00 -30.74 -46.11 -69.23 -92.35 -115.48	152.34
26 56 19 00-0078	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) <i>For LightGrid™ Wireless Outdoor Controller, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	618.93 20.00 -30.95 -46.42 -69.65 -92.87 -116.10	154.41
26 56 19 00-0079	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY) <i>For LightGrid™ Wireless Outdoor Controller, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	645.21 20.00 -32.26 -48.39 -72.81 -97.23 -121.65	156.82
26 56 19 00-0080	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY) <i>For LightGrid™ Wireless Outdoor Controller, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	672.06 20.00 -33.60 -50.40 -76.08 -101.76 -127.43	158.54
26 56 19 00-0081	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY) <i>For LightGrid™ Wireless Outdoor Controller, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	743.32 20.00 -37.17 -55.75 -84.82 -113.88 -142.95	161.99
26 56 19 00-0082	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY) <i>For LightGrid™ Wireless Outdoor Controller, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	781.18 20.00 -39.06 -58.59 -89.48 -120.37 -151.26	163.37
26 56 19 00-0083	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY) <i>For LightGrid™ Wireless Outdoor Controller, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	852.33 20.00 -42.62 -63.92 -98.25 -132.58 -166.91	165.78

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0084	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	1,003.67	170.26
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-50.18	
			<i>For >100 To 250, Deduct</i>	-75.28	
			<i>For >250 To 500, Deduct</i>	-116.95	
			<i>For >500 To 1000, Deduct</i>	-158.62	
			<i>For >1000, Deduct</i>	-200.29	
26 56 19 00-0085	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	1,177.62	179.23
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-58.88	
			<i>For >100 To 250, Deduct</i>	-88.32	
			<i>For >250 To 500, Deduct</i>	-138.24	
			<i>For >500 To 1000, Deduct</i>	-188.16	
			<i>For >1000, Deduct</i>	-238.08	
26 56 19 00-0086			LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0001)		
26 56 19 00-0087			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0086)		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,196.94	156.82
			<i>For >50 To 100, Deduct</i>	-59.85	
			<i>For >100 To 250, Deduct</i>	-89.77	
			<i>For >250 To 500, Deduct</i>	-141.78	
			<i>For >500 To 1000, Deduct</i>	-193.78	
			<i>For >1000, Deduct</i>	-245.79	
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,489.16	161.30
			<i>For >50 To 100, Deduct</i>	-74.46	
			<i>For >100 To 250, Deduct</i>	-111.69	
			<i>For >250 To 500, Deduct</i>	-178.08	
			<i>For >500 To 1000, Deduct</i>	-244.47	
			<i>For >1000, Deduct</i>	-310.87	
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	2,081.54	165.78
			<i>For >50 To 100, Deduct</i>	-104.08	
			<i>For >100 To 250, Deduct</i>	-156.12	
			<i>For >250 To 500, Deduct</i>	-251.90	
			<i>For >500 To 1000, Deduct</i>	-347.69	
			<i>For >1000, Deduct</i>	-443.48	
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,677.89	172.33
			<i>For >50 To 100, Deduct</i>	-133.89	
			<i>For >100 To 250, Deduct</i>	-200.84	
			<i>For >250 To 500, Deduct</i>	-326.12	
			<i>For >500 To 1000, Deduct</i>	-451.40	
			<i>For >1000, Deduct</i>	-576.68	
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,260.86	177.16
			<i>For >50 To 100, Deduct</i>	-163.04	
			<i>For >100 To 250, Deduct</i>	-244.56	
			<i>For >250 To 500, Deduct</i>	-398.75	
			<i>For >500 To 1000, Deduct</i>	-552.93	
			<i>For >1000, Deduct</i>	-707.12	
26 56 19 00-0093			LED Roadway Lighting (Leotek) (26 56 19 00-0001)		
26 56 19 00-0094			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0093)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	629.02	156.82
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.75	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.26	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	52.35	
			<i>For >50 To 100, Deduct</i>	-31.45	
			<i>For >100 To 250, Deduct</i>	-47.18	
			<i>For >250 To 500, Deduct</i>	-70.79	
			<i>For >500 To 1000, Deduct</i>	-94.40	
			<i>For >1000, Deduct</i>	-118.01	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	642.71	158.54
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.75	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.26	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	52.35	
			<i>For >50 To 100, Deduct</i>	-32.14	
			<i>For >100 To 250, Deduct</i>	-48.20	
			<i>For >250 To 500, Deduct</i>	-72.41	
			<i>For >500 To 1000, Deduct</i>	-96.62	
			<i>For >1000, Deduct</i>	-120.83	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0097 EA Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	685.74	159.58
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-34.29	
For >100 To 250, Deduct	-51.43	
For >250 To 500, Deduct	-77.74	
For >500 To 1000, Deduct	-104.05	
For >1000, Deduct	-130.35	
26 56 19 00-0098 EA Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	796.45	165.78
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-39.82	
For >100 To 250, Deduct	-59.73	
For >250 To 500, Deduct	-91.27	
For >500 To 1000, Deduct	-122.80	
For >1000, Deduct	-154.33	
26 56 19 00-0099 EA Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	932.38	170.26
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-46.62	
For >100 To 250, Deduct	-69.93	
For >250 To 500, Deduct	-108.03	
For >500 To 1000, Deduct	-146.14	
For >1000, Deduct	-184.25	
26 56 19 00-0100 EA Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	937.89	173.02
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-46.89	
For >100 To 250, Deduct	-70.34	
For >250 To 500, Deduct	-108.59	
For >500 To 1000, Deduct	-146.83	
For >1000, Deduct	-185.07	
26 56 19 00-0101 EA Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,150.25	175.78
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-57.51	
For >100 To 250, Deduct	-86.27	
For >250 To 500, Deduct	-134.99	
For >500 To 1000, Deduct	-183.72	
For >1000, Deduct	-232.44	
26 56 19 00-0102 EA Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,206.29	179.23
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-60.31	
For >100 To 250, Deduct	-90.47	
For >250 To 500, Deduct	-141.83	
For >500 To 1000, Deduct	-193.18	
For >1000, Deduct	-244.53	
26 56 19 00-0103 EA Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,346.96	181.99
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-67.35	
For >100 To 250, Deduct	-101.02	
For >250 To 500, Deduct	-159.27	
For >500 To 1000, Deduct	-217.52	
For >1000, Deduct	-275.77	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 19 00-0104	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,444.64		184.74
		For LightGrid™ Wireless Outdoor Controller, Add	20.00		
		For Twist Lock Shorting Cap, Add	9.75		
		For ANSI 7-wire Photocontrol Receptacle, Add	29.26		
		For Ripley Long-Life Twist Lock Photocontrol, Add	52.35		
		For >50 To 100, Deduct	-72.23		
		For >100 To 250, Deduct	-108.35		
		For >250 To 500, Deduct	-171.34		
		For >500 To 1000, Deduct	-234.34		
		For >1000, Deduct	-297.33		
26 56 19 00-0105	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	728.72		158.54
		For LightGrid™ Wireless Outdoor Controller, Add	20.00		
		For Twist Lock Shorting Cap, Add	9.75		
		For ANSI 7-wire Photocontrol Receptacle, Add	29.26		
		For Ripley Long-Life Twist Lock Photocontrol, Add	52.35		
		For >50 To 100, Deduct	-36.44		
		For >100 To 250, Deduct	-54.65		
		For >250 To 500, Deduct	-83.16		
		For >500 To 1000, Deduct	-111.67		
		For >1000, Deduct	-140.18		
26 56 19 00-0106	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	800.48		162.69
		For LightGrid™ Wireless Outdoor Controller, Add	20.00		
		For Twist Lock Shorting Cap, Add	9.75		
		For ANSI 7-wire Photocontrol Receptacle, Add	29.26		
		For Ripley Long-Life Twist Lock Photocontrol, Add	52.35		
		For >50 To 100, Deduct	-40.02		
		For >100 To 250, Deduct	-60.04		
		For >250 To 500, Deduct	-91.93		
		For >500 To 1000, Deduct	-123.82		
		For >1000, Deduct	-155.71		
26 56 19 00-0107	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	864.03		165.78
		For LightGrid™ Wireless Outdoor Controller, Add	20.00		
		For Twist Lock Shorting Cap, Add	9.75		
		For ANSI 7-wire Photocontrol Receptacle, Add	29.26		
		For Ripley Long-Life Twist Lock Photocontrol, Add	52.35		
		For >50 To 100, Deduct	-43.20		
		For >100 To 250, Deduct	-64.80		
		For >250 To 500, Deduct	-99.71		
		For >500 To 1000, Deduct	-134.63		
		For >1000, Deduct	-169.54		
26 56 19 00-0108	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	918.71		169.57
		For LightGrid™ Wireless Outdoor Controller, Add	20.00		
		For Twist Lock Shorting Cap, Add	9.75		
		For ANSI 7-wire Photocontrol Receptacle, Add	29.26		
		For Ripley Long-Life Twist Lock Photocontrol, Add	52.35		
		For >50 To 100, Deduct	-45.94		
		For >100 To 250, Deduct	-68.90		
		For >250 To 500, Deduct	-106.36		
		For >500 To 1000, Deduct	-143.82		
		For >1000, Deduct	-181.27		
26 56 19 00-0109	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	974.72		170.95
		For LightGrid™ Wireless Outdoor Controller, Add	20.00		
		For Twist Lock Shorting Cap, Add	9.75		
		For ANSI 7-wire Photocontrol Receptacle, Add	29.26		
		For Ripley Long-Life Twist Lock Photocontrol, Add	52.35		
		For >50 To 100, Deduct	-48.74		
		For >100 To 250, Deduct	-73.10		
		For >250 To 500, Deduct	-113.29		
		For >500 To 1000, Deduct	-153.48		
		For >1000, Deduct	-193.67		
26 56 19 00-0110	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,161.20		177.16
		For LightGrid™ Wireless Outdoor Controller, Add	20.00		
		For Twist Lock Shorting Cap, Add	9.75		
		For ANSI 7-wire Photocontrol Receptacle, Add	29.26		
		For Ripley Long-Life Twist Lock Photocontrol, Add	52.35		
		For >50 To 100, Deduct	-58.06		
		For >100 To 250, Deduct	-87.09		
		For >250 To 500, Deduct	-136.29		
		For >500 To 1000, Deduct	-185.49		
		For >1000, Deduct	-234.70		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0111 EA Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,313.49	180.61
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-65.67	
For >100 To 250, Deduct	-98.51	
For >250 To 500, Deduct	-155.16	
For >500 To 1000, Deduct	-211.80	
For >1000, Deduct	-268.44	
26 56 19 00-0112 EA Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,396.78	181.29
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-69.84	
For >100 To 250, Deduct	-104.76	
For >250 To 500, Deduct	-165.53	
For >500 To 1000, Deduct	-226.31	
For >1000, Deduct	-287.08	
26 56 19 00-0113 EA Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,476.70	183.36
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-73.84	
For >100 To 250, Deduct	-110.75	
For >250 To 500, Deduct	-175.42	
For >500 To 1000, Deduct	-240.09	
For >1000, Deduct	-304.75	
26 56 19 00-0114 EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	782.25	173.02
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-39.11	
For >100 To 250, Deduct	-58.67	
For >250 To 500, Deduct	-89.13	
For >500 To 1000, Deduct	-119.59	
For >1000, Deduct	-150.05	
26 56 19 00-0115 EA Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	847.13	174.75
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-42.36	
For >100 To 250, Deduct	-63.53	
For >250 To 500, Deduct	-97.15	
For >500 To 1000, Deduct	-130.77	
For >1000, Deduct	-164.39	
26 56 19 00-0116 EA Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	601.06	158.21
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-30.05	
For >100 To 250, Deduct	-45.08	
For >250 To 500, Deduct	-67.22	
For >500 To 1000, Deduct	-89.37	
For >1000, Deduct	-111.51	
26 56 19 00-0117 EA Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	612.01	159.58
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.75	
For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
For >50 To 100, Deduct	-30.60	
For >100 To 250, Deduct	-45.90	
For >250 To 500, Deduct	-68.52	
For >500 To 1000, Deduct	-91.14	
For >1000, Deduct	-113.77	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0118	EA Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-20H-MV-NW-X-GY-1AMP-WL).....	665.31	162.69
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.75	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
	For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
	For >50 To 100, Deduct	-33.27	
	For >100 To 250, Deduct	-49.90	
	For >250 To 500, Deduct	-75.03	
	For >500 To 1000, Deduct	-100.16	
	For >1000, Deduct	-125.29	
26 56 19 00-0119	EA Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	1,025.33	175.78
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.75	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
	For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
	For >50 To 100, Deduct	-51.27	
	For >100 To 250, Deduct	-76.90	
	For >250 To 500, Deduct	-119.38	
	For >500 To 1000, Deduct	-161.85	
	For >1000, Deduct	-204.33	
26 56 19 00-0120	EA Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,339.44	181.29
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.75	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
	For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
	For >50 To 100, Deduct	-66.97	
	For >100 To 250, Deduct	-100.46	
	For >250 To 500, Deduct	-158.37	
	For >500 To 1000, Deduct	-216.27	
	For >1000, Deduct	-274.18	
26 56 19 00-0121	EA Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,193.37	181.99
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.75	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
	For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
	For >50 To 100, Deduct	-59.67	
	For >100 To 250, Deduct	-89.50	
	For >250 To 500, Deduct	-140.07	
	For >500 To 1000, Deduct	-190.64	
	For >1000, Deduct	-241.21	
26 56 19 00-0122	EA Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	577.18	158.54
	For Twist Lock Shorting Cap, Add	9.75	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.26	
	For Ripley Long-Life Twist Lock Photocontrol, Add	52.35	
	For >50 To 100, Deduct	-28.86	
	For >100 To 250, Deduct	-43.29	
	For >250 To 500, Deduct	-64.22	
	For >500 To 1000, Deduct	-85.15	
	For >1000, Deduct	-106.08	
26 56 19 00-0123	LED, Wall Packs <small>(26 56 19)</small>		
26 56 19 00-0124	Full Cutoff, LED Wall Packs <small>(26 56 19 00-0123)</small>		
26 56 19 00-0125	Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 19 00-0124)</small>		
26 56 19 00-0126	EA 30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	968.83	120.64
	For >50 To 100, Deduct	-48.44	
	For >100 To 250, Deduct	-72.66	
	For >250 To 500, Deduct	-115.07	
	For >500 To 1000, Deduct	-157.48	
	For >1000, Deduct	-199.89	
26 56 19 00-0127	EA 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,047.81	120.64
	For >50 To 100, Deduct	-52.39	
	For >100 To 250, Deduct	-78.59	
	For >250 To 500, Deduct	-124.94	
	For >500 To 1000, Deduct	-171.30	
	For >1000, Deduct	-217.66	
26 56 19 00-0128	Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 19 00-0124)</small>		
26 56 19 00-0129	Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 19 00-0128)</small>		
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0130 EA 20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	1,049.26 22.49 54.23 67.48 67.48 101.23 146.21 -52.46 -78.69 -125.30 -171.90 -218.51	117.19
26 56 19 00-0131 EA 40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	1,358.30 22.49 54.92 67.48 67.48 101.23 146.21 -67.92 -101.87 -163.58 -225.29 -287.01	124.08
26 56 19 00-0132 EA 60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	1,524.59 22.49 55.61 67.48 67.48 101.23 146.21 -76.23 -114.34 -184.03 -253.71 -323.39	130.98
26 56 19 00-0133 EA 80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	1,976.38 22.49 56.30 67.48 67.48 101.23 146.21 -98.82 -148.23 -240.15 -332.08 -424.01	137.86
26 56 19 00-0134 EA 100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	2,285.42 22.49 56.99 67.48 67.48 101.23 146.21 -114.27 -171.41 -278.44 -385.47 -492.51	144.76
26 56 19 00-0135 EA 120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	2,594.47 22.49 57.68 67.48 67.48 101.23 146.21 -129.72 -194.59 -316.73 -438.87 -561.01	151.65

26 56 19 00-0136 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) ^{(26 56}

^{19 00-0128)}

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0137	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Multi-Level, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	610.82	117.19
				22.49	
				67.48	
				67.48	
				-30.54	
				-45.81	
				-70.49	
				-95.18	
				-119.86	
26 56	19 00-0138	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Multi-Level, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	712.44	124.08
				22.49	
				67.48	
				67.48	
				-35.62	
				-53.43	
				-82.85	
				-112.27	
				-141.69	
26 56	19 00-0139		Full Cutoff, LED Wall Packs (McGraw-Edison) <small>(26 56 19 00-0124)</small>		
26 56	19 00-0140	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,296.10	117.19
26 56	19 00-0141	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,611.34	124.08
26 56	19 00-0142	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,311.61	117.19
26 56	19 00-0143	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,753.20	124.08
26 56	19 00-0144		Open Face LED Wall Pack <small>(26 56 19 00-0123)</small> Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56	19 00-0145	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	751.09	122.44
				-37.55	
				-56.33	
				-84.70	
				-113.07	
				-141.44	
26 56	19 00-0146	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	807.86	122.44
				-40.39	
				-60.59	
				-91.80	
				-123.01	
				-154.22	
26 56	19 00-0147	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	837.59	122.44
				-41.88	
				-62.82	
				-95.52	
				-128.21	
				-160.91	
26 56	19 00-0148	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	861.71	122.44
				-43.09	
				-64.63	
				-98.53	
				-132.43	
				-166.33	
26 56	19 00-0149	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,042.58	122.44
				-52.13	
				-78.19	
				-121.14	
				-164.08	
				-207.03	
26 56	19 00-0150		Wall Pack Accessories <small>(26 56 19 00-0123)</small>		
26 56	19 00-0151	EA	Photocell For Wall Pack	139.34	30.61
26 56	19 00-0152	EA	Wire Guard For Mini And Small Wall Pack	155.67	30.61
26 56	19 00-0153	EA	Wire Guard For Medium And Large Wall Pack	223.96	30.61
26 56	19 00-0154	EA	Clear Polycarbonate Vandal Guard For Wall Packs	322.51	30.61
26 56	19 00-0155	EA	Full Cutoff Visor For Wall Pack	151.22	30.61
26 56	19 00-0156		LED, Area Fixtures <small>(26 56 19)</small>		
26 56	19 00-0157		Pole Mount, LED Area Fixtures <small>(26 56 19 00-0156)</small>		
26 56	19 00-0158		Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 19 00-0157)</small> Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56	19 00-0159	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,493.67	117.19
				-124.68	
				-187.03	
				-305.85	
				-424.67	
				-543.50	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0160 EA 40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,688.21	124.08
For >50 To 100, Deduct	-134.41	
For >100 To 250, Deduct	-201.62	
For >250 To 500, Deduct	-329.82	
For >500 To 1000, Deduct	-458.03	
For >1000, Deduct	-586.24	
26 56 19 00-0161 EA 80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,896.52	137.86
For >50 To 100, Deduct	-144.83	
For >100 To 250, Deduct	-217.24	
For >250 To 500, Deduct	-355.17	
For >500 To 1000, Deduct	-493.10	
For >1000, Deduct	-631.04	
26 56 19 00-0162 EA 100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,910.31	144.76
For >50 To 100, Deduct	-145.52	
For >100 To 250, Deduct	-218.27	
For >250 To 500, Deduct	-356.55	
For >500 To 1000, Deduct	-494.83	
For >1000, Deduct	-633.11	
26 56 19 00-0163 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 19 00-0157)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0164 EA 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,415.44	124.08
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	44.47	
For 480 Volt, Add	107.78	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-70.77	
For >100 To 250, Deduct	-106.16	
For >250 To 500, Deduct	-170.73	
For >500 To 1000, Deduct	-235.29	
For >1000, Deduct	-299.86	
26 56 19 00-0165 EA 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,709.60	130.98
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	45.16	
For 480 Volt, Add	107.78	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-85.48	
For >100 To 250, Deduct	-128.22	
For >250 To 500, Deduct	-207.15	
For >500 To 1000, Deduct	-286.08	
For >1000, Deduct	-365.01	
26 56 19 00-0166 EA 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,116.30	137.86
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	45.85	
For 480 Volt, Add	107.78	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-105.82	
For >100 To 250, Deduct	-158.72	
For >250 To 500, Deduct	-257.64	
For >500 To 1000, Deduct	-356.57	
For >1000, Deduct	-455.49	
26 56 19 00-0167 EA 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,410.47	144.76
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	46.54	
For 480 Volt, Add	107.78	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-120.52	
For >100 To 250, Deduct	-180.79	
For >250 To 500, Deduct	-294.07	
For >500 To 1000, Deduct	-407.36	
For >1000, Deduct	-520.64	
26 56 19 00-0168 EA 120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,704.63	151.65
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	47.23	
For 480 Volt, Add	107.78	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-135.23	
For >100 To 250, Deduct	-202.85	
For >250 To 500, Deduct	-330.50	
For >500 To 1000, Deduct	-458.14	
For >1000, Deduct	-585.79	
26 56 19 00-0169 EA 140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,088.43	158.54
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	47.91	
For 480 Volt, Add	107.78	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-154.42	
For >100 To 250, Deduct	-231.63	
For >250 To 500, Deduct	-378.13	
For >500 To 1000, Deduct	-524.62	
For >1000, Deduct	-671.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0170	EA		160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) <i>For Backlight Shielding, Add</i> <i>For Type II Medium Optic, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	3,382.59 26.70 48.60 107.78 267.03 -169.13 -253.69 -414.55 -575.41 -736.27	165.44
26 56 19 00-0171			Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 19 00-0157)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0172	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	2,497.61 22.49 50.61 56.24 67.48 67.48 101.23 146.21 188.98 -124.88 -187.32 -304.62 -421.92 -539.21	151.65
26 56 19 00-0173	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Bird Spikes, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For 480 Volt, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	4,219.96 22.49 56.24 67.48 67.48 75.31 146.21 188.96 202.45 -211.00 -316.50 -518.19 -719.88 -921.57	186.12
26 56 19 00-0174			Wall Mount, LED Area Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0175			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 19 00-0174)</small> Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0176	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,103.75 -55.19 -82.78 -132.11 -181.44 -230.77	117.19
26 56 19 00-0177	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,131.32 -56.57 -84.85 -134.87 -184.88 -234.90	130.98
26 56 19 00-0178			Surface Mount, LED Parking Structure Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0179			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 19 00-0178)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0180	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,247.60 267.03 -62.38 -93.57 -149.75 -205.92 -262.10	124.08



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0181 EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,541.76	130.98
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-77.09	
For >100 To 250, Deduct	-115.63	
For >250 To 500, Deduct	-186.17	
For >500 To 1000, Deduct	-256.71	
For >1000, Deduct	-327.25	
26 56 19 00-0182 EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,835.92	137.86
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-91.80	
For >100 To 250, Deduct	-137.69	
For >250 To 500, Deduct	-222.60	
For >500 To 1000, Deduct	-307.50	
For >1000, Deduct	-392.40	
26 56 19 00-0183 EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	2,130.09	144.76
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-106.50	
For >100 To 250, Deduct	-159.76	
For >250 To 500, Deduct	-259.02	
For >500 To 1000, Deduct	-358.29	
For >1000, Deduct	-457.56	
26 56 19 00-0184 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 19 00-0178)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0185 EA 40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,201.82	124.08
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-60.09	
For >100 To 250, Deduct	-90.14	
For >250 To 500, Deduct	-144.02	
For >500 To 1000, Deduct	-197.91	
For >1000, Deduct	-251.80	
26 56 19 00-0186 EA 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,328.13	130.98
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-66.41	
For >100 To 250, Deduct	-99.61	
For >250 To 500, Deduct	-159.47	
For >500 To 1000, Deduct	-219.33	
For >1000, Deduct	-279.18	
26 56 19 00-0187 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 19 00-0178)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0188 EA 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADMSMA40KUL).....	1,006.18	124.08
For >50 To 100, Deduct	-50.31	
For >100 To 250, Deduct	-75.46	
For >250 To 500, Deduct	-119.57	
For >500 To 1000, Deduct	-163.67	
For >1000, Deduct	-207.78	
26 56 19 00-0189 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 19 00-0178)</small>		
Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0190 EA 70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,000.35	130.98
For >50 To 100, Deduct	-100.02	
For >100 To 250, Deduct	-150.03	
For >250 To 500, Deduct	-243.50	
For >500 To 1000, Deduct	-336.96	
For >1000, Deduct	-430.43	
26 56 19 00-0191 EA 110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,027.93	144.76
For >50 To 100, Deduct	-101.40	
For >100 To 250, Deduct	-152.09	
For >250 To 500, Deduct	-246.25	
For >500 To 1000, Deduct	-340.41	
For >1000, Deduct	-434.57	
26 56 19 00-0192 Surface Mount, LED Canopy Fixtures <small>(26 56 19 00-0156)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0193			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 19 00-0192)</small> Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,449.77	124.08
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-72.49	
			<i>For >100 To 250, Deduct</i>	-108.73	
			<i>For >250 To 500, Deduct</i>	-175.02	
			<i>For >500 To 1000, Deduct</i>	-241.30	
			<i>For >1000, Deduct</i>	-307.59	
26 56 19 00-0195	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,743.93	130.98
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-87.20	
			<i>For >100 To 250, Deduct</i>	-130.79	
			<i>For >250 To 500, Deduct</i>	-211.44	
			<i>For >500 To 1000, Deduct</i>	-292.09	
			<i>For >1000, Deduct</i>	-372.74	
26 56 19 00-0196	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,038.10	137.86
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-101.91	
			<i>For >100 To 250, Deduct</i>	-152.86	
			<i>For >250 To 500, Deduct</i>	-247.87	
			<i>For >500 To 1000, Deduct</i>	-342.88	
			<i>For >1000, Deduct</i>	-437.89	
26 56 19 00-0197	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,332.27	144.76
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-116.61	
			<i>For >100 To 250, Deduct</i>	-174.92	
			<i>For >250 To 500, Deduct</i>	-284.30	
			<i>For >500 To 1000, Deduct</i>	-393.67	
			<i>For >1000, Deduct</i>	-503.05	
26 56 19 00-0198	EA		120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,626.43	151.65
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-131.32	
			<i>For >100 To 250, Deduct</i>	-196.98	
			<i>For >250 To 500, Deduct</i>	-320.72	
			<i>For >500 To 1000, Deduct</i>	-444.46	
			<i>For >1000, Deduct</i>	-568.20	
26 56 19 00-0199	EA		140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,033.12	158.54
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-151.66	
			<i>For >100 To 250, Deduct</i>	-227.48	
			<i>For >250 To 500, Deduct</i>	-371.21	
			<i>For >500 To 1000, Deduct</i>	-514.94	
			<i>For >1000, Deduct</i>	-658.67	
26 56 19 00-0200	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,327.28	165.44
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-166.36	
			<i>For >100 To 250, Deduct</i>	-249.55	
			<i>For >250 To 500, Deduct</i>	-407.64	
			<i>For >500 To 1000, Deduct</i>	-565.73	
			<i>For >1000, Deduct</i>	-723.82	
26 56 19 00-0201	EA		200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,915.61	179.23
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-195.78	
			<i>For >100 To 250, Deduct</i>	-293.67	
			<i>For >250 To 500, Deduct</i>	-480.49	
			<i>For >500 To 1000, Deduct</i>	-667.31	
			<i>For >1000, Deduct</i>	-854.13	
26 56 19 00-0202	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	4,490.15	186.12
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For >50 To 100, Deduct</i>	-224.51	
			<i>For >100 To 250, Deduct</i>	-336.76	
			<i>For >250 To 500, Deduct</i>	-551.96	
			<i>For >500 To 1000, Deduct</i>	-767.16	
			<i>For >1000, Deduct</i>	-982.37	
26 56 19 00-0203			Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 19 00-0192)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0204	EA		8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	994.79	137.86
			<i>For >50 To 100, Deduct</i>	-49.74	
			<i>For >100 To 250, Deduct</i>	-74.61	
			<i>For >250 To 500, Deduct</i>	-117.46	
			<i>For >500 To 1000, Deduct</i>	-160.30	
			<i>For >1000, Deduct</i>	-203.15	
26 56 19 00-0205			Recessed Mount, LED Soffit Fixtures <small>(26 56 19 00-0156)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0206	Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 19 00-0205)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0207	EA 40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) 1,224.71 <i>For >50 To 100, Deduct</i> -61.24 <i>For >100 To 250, Deduct</i> -91.85 <i>For >250 To 500, Deduct</i> -146.88 <i>For >500 To 1000, Deduct</i> -201.92 <i>For >1000, Deduct</i> -256.95		124.08
26 56 19 00-0208	EA 60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) 1,351.02 <i>For >50 To 100, Deduct</i> -67.55 <i>For >100 To 250, Deduct</i> -101.33 <i>For >250 To 500, Deduct</i> -162.33 <i>For >500 To 1000, Deduct</i> -223.33 <i>For >1000, Deduct</i> -284.33		130.98
26 56 19 00-0209	Surface Mount, LED Area Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0210	Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 19 00-0209)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0211	EA 50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) 652.63 <i>For >50 To 100, Deduct</i> -32.63 <i>For >100 To 250, Deduct</i> -48.95 <i>For >250 To 500, Deduct</i> -75.37 <i>For >500 To 1000, Deduct</i> -101.80 <i>For >1000, Deduct</i> -128.23		124.08
26 56 19 00-0212	EA 50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) 1,457.58 <i>For >50 To 100, Deduct</i> -72.88 <i>For >100 To 250, Deduct</i> -109.32 <i>For >250 To 500, Deduct</i> -175.99 <i>For >500 To 1000, Deduct</i> -242.67 <i>For >1000, Deduct</i> -309.34		124.08
26 56 19 00-0213	EA 68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) 1,211.56 <i>For >50 To 100, Deduct</i> -60.58 <i>For >100 To 250, Deduct</i> -90.87 <i>For >250 To 500, Deduct</i> -144.55 <i>For >500 To 1000, Deduct</i> -198.24 <i>For >1000, Deduct</i> -251.92		137.86
26 56 19 00-0214	EA 68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) 1,500.34 <i>For >50 To 100, Deduct</i> -75.02 <i>For >100 To 250, Deduct</i> -112.53 <i>For >250 To 500, Deduct</i> -180.65 <i>For >500 To 1000, Deduct</i> -248.77 <i>For >1000, Deduct</i> -316.90		137.86
26 56 19 00-0215	Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 19 00-0209)</small> Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0216	EA 13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) 209.90 <i>For Knuckle Mount Or Trunnion Mount Base, Add</i> 45.00 <i>For >50 To 100, Deduct</i> -10.50 <i>For >100 To 250, Deduct</i> -15.74 <i>For >250 To 500, Deduct</i> -24.40 <i>For >500 To 1000, Deduct</i> -33.06 <i>For >1000, Deduct</i> -41.72		44.08
26 56 19 00-0217	EA 20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) 238.84 <i>For Knuckle Mount Or Trunnion Mount Base, Add</i> 45.00 <i>For >50 To 100, Deduct</i> -11.94 <i>For >100 To 250, Deduct</i> -17.91 <i>For >250 To 500, Deduct</i> -28.02 <i>For >500 To 1000, Deduct</i> -38.12 <i>For >1000, Deduct</i> -48.23		44.08
26 56 19 00-0218	EA 30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) 293.96 <i>For Knuckle Mount Or Trunnion Mount Base, Add</i> 45.00 <i>For >50 To 100, Deduct</i> -14.70 <i>For >100 To 250, Deduct</i> -22.05 <i>For >250 To 500, Deduct</i> -34.91 <i>For >500 To 1000, Deduct</i> -47.77 <i>For >1000, Deduct</i> -60.63		44.08
26 56 19 00-0219	Surface Mount, LED Facade Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0220	Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 19 00-0219)</small>		

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0221	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	759.88	51.46
			<i>For >50 To 100, Deduct</i>	-37.99	
			<i>For >100 To 250, Deduct</i>	-56.99	
			<i>For >250 To 500, Deduct</i>	-93.03	
			<i>For >500 To 1000, Deduct</i>	-129.06	
			<i>For >1000, Deduct</i>	-165.10	
26 56 19 00-0222	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,240.23	46.99
			<i>For >50 To 100, Deduct</i>	-62.01	
			<i>For >100 To 250, Deduct</i>	-93.02	
			<i>For >250 To 500, Deduct</i>	-153.35	
			<i>For >500 To 1000, Deduct</i>	-213.68	
			<i>For >1000, Deduct</i>	-274.02	
26 56 19 00-0223	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,584.92	39.16
			<i>For >50 To 100, Deduct</i>	-79.25	
			<i>For >100 To 250, Deduct</i>	-118.87	
			<i>For >250 To 500, Deduct</i>	-196.72	
			<i>For >500 To 1000, Deduct</i>	-274.56	
			<i>For >1000, Deduct</i>	-352.41	
26 56 19 00-0224	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,929.59	31.33
			<i>For >50 To 100, Deduct</i>	-96.48	
			<i>For >100 To 250, Deduct</i>	-144.72	
			<i>For >250 To 500, Deduct</i>	-240.08	
			<i>For >500 To 1000, Deduct</i>	-335.44	
			<i>For >1000, Deduct</i>	-430.80	
26 56 19 00-0225			Post Top, LED Area Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0226			Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0227	EA		1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,128.24	189.57
			<i>For >50 To 100, Deduct</i>	-106.41	
			<i>For >100 To 250, Deduct</i>	-159.62	
			<i>For >250 To 500, Deduct</i>	-256.55	
			<i>For >500 To 1000, Deduct</i>	-353.49	
			<i>For >1000, Deduct</i>	-450.42	
26 56 19 00-0228	EA		3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,351.42	189.57
			<i>For >50 To 100, Deduct</i>	-117.57	
			<i>For >100 To 250, Deduct</i>	-176.36	
			<i>For >250 To 500, Deduct</i>	-284.45	
			<i>For >500 To 1000, Deduct</i>	-392.54	
			<i>For >1000, Deduct</i>	-500.63	
26 56 19 00-0229	EA		77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,527.83	189.57
			<i>For >50 To 100, Deduct</i>	-126.39	
			<i>For >100 To 250, Deduct</i>	-189.59	
			<i>For >250 To 500, Deduct</i>	-306.50	
			<i>For >500 To 1000, Deduct</i>	-423.41	
			<i>For >1000, Deduct</i>	-540.33	
26 56 19 00-0230			Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0231	EA		3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,511.01	189.57
			<i>For >50 To 100, Deduct</i>	-125.55	
			<i>For >100 To 250, Deduct</i>	-188.33	
			<i>For >250 To 500, Deduct</i>	-304.40	
			<i>For >500 To 1000, Deduct</i>	-420.47	
			<i>For >1000, Deduct</i>	-536.54	
26 56 19 00-0232	EA		6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	2,568.36	189.57
			<i>For >50 To 100, Deduct</i>	-128.42	
			<i>For >100 To 250, Deduct</i>	-192.63	
			<i>For >250 To 500, Deduct</i>	-311.57	
			<i>For >500 To 1000, Deduct</i>	-430.51	
			<i>For >1000, Deduct</i>	-549.45	
26 56 19 00-0233			Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0234	EA		3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,734.66	189.57
			<i>For >50 To 100, Deduct</i>	-86.73	
			<i>For >100 To 250, Deduct</i>	-130.10	
			<i>For >250 To 500, Deduct</i>	-207.35	
			<i>For >500 To 1000, Deduct</i>	-284.61	
			<i>For >1000, Deduct</i>	-361.86	
26 56 19 00-0235	EA		6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,820.48	189.57
			<i>For >50 To 100, Deduct</i>	-91.02	
			<i>For >100 To 250, Deduct</i>	-136.54	
			<i>For >250 To 500, Deduct</i>	-218.08	
			<i>For >500 To 1000, Deduct</i>	-299.63	
			<i>For >1000, Deduct</i>	-381.17	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0236 Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0237 EA 3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,344.58	189.57
For >50 To 100, Deduct	-67.23	
For >100 To 250, Deduct	-100.84	
For >250 To 500, Deduct	-158.59	
For >500 To 1000, Deduct	-216.35	
For >1000, Deduct	-274.10	
26 56 19 00-0238 EA 6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,430.40	189.57
For >50 To 100, Deduct	-71.52	
For >100 To 250, Deduct	-107.28	
For >250 To 500, Deduct	-169.32	
For >500 To 1000, Deduct	-231.36	
For >1000, Deduct	-293.41	
26 56 19 00-0239 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 19 00-0225)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0240 EA 13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	3,285.89	189.57
For >50 To 100, Deduct	-164.29	
For >100 To 250, Deduct	-246.44	
For >250 To 500, Deduct	-401.26	
For >500 To 1000, Deduct	-556.07	
For >1000, Deduct	-710.89	
26 56 19 00-0241 LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) <small>(26 56 19 00-0225)</small> Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0242 EA LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	903.60	103.40
For 0 To 10 Volt Dimming, Add	67.48	
For >50 To 100, Deduct	-45.18	
For >100 To 250, Deduct	-67.77	
For >250 To 500, Deduct	-107.78	
For >500 To 1000, Deduct	-147.79	
For >1000, Deduct	-187.80	
26 56 19 00-0243 LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 19 00-0225)</small> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0244 EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT).....	570.08	22.06
For Backlight Control Shield, Add	44.56	
For >50 To 100, Deduct	-28.50	
For >100 To 250, Deduct	-42.76	
For >250 To 500, Deduct	-69.05	
For >500 To 1000, Deduct	-95.35	
For >1000, Deduct	-121.65	
26 56 19 00-0245 Surface Mount, LED Strip Fixtures (Sylvania) <small>(26 56 19 00-0156)</small>		
26 56 19 00-0246 EA 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	524.87	40.95
For >50 To 100, Deduct	-26.24	
For >100 To 250, Deduct	-39.37	
For >250 To 500, Deduct	-64.07	
For >500 To 1000, Deduct	-88.78	
For >1000, Deduct	-113.48	
26 56 21 HID Exterior Lighting <small>(26 56)</small>		
26 56 21 00-0001 High Mast Fixtures <small>(26 56 21)</small>		
26 56 21 00-0002 Metal Halide, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21 00-0003 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,981.02	170.35
26 56 21 00-0004 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	2,117.49	170.35
26 56 21 00-0005 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	2,098.80	194.61
26 56 21 00-0006 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	2,180.68	194.61
26 56 21 00-0007 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	2,204.62	243.26
26 56 21 00-0008 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	2,286.50	243.26
26 56 21 00-0009 High Pressure Sodium, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21 00-0010 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	2,046.98	170.35
26 56 21 00-0011 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	2,128.86	170.35

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,477.41	180.08
	26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,537.81	194.61
	26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,684.57	243.26
	26 56 21 00-0015		HID, Pole Mounted <small>(26 56 21)</small>		
	26 56 21 00-0016		Metal Halide, Pole Mounted <small>(26 56 21 00-0015)</small>		
	26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	682.51	277.77
	26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	766.43	301.51
	26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	890.87	324.35
	26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,135.55	380.13
	26 56 21 00-0021		High Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
	26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	841.03	324.35
	26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	866.54	324.35
	26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	906.72	324.35
	26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,013.72	324.35
	26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,170.11	324.35
	26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,096.48	324.35
	26 56 21 00-0028		Low Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
	26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	699.69	176.45
	26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	768.60	259.47
	26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	901.01	259.47
	26 56 21 00-0032		Metal Halide, Area Fixtures <small>(26 56 21)</small>		
	26 56 21 00-0033		Metal Halide, Pole Mount, Area Fixtures <small>(26 56 21 00-0032)</small>		
			Note: Includes pulse start ballast.		
	26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,152.80	172.14
	26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,265.03	189.36
	26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,399.25	206.57
	26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,477.98	241.00
	26 56 21 00-0038		High Pressure Sodium, Area Fixtures <small>(26 56 21)</small>		
	26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 21 00-0038)</small>		
	26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	958.16	137.71
	26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,040.94	172.14
	26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,127.43	206.57
	26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,186.70	241.00
	26 56 21 00-0044		Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21)</small>		
	26 56 21 00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
	26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	643.89	259.47
	26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	730.72	291.91
	26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	871.20	324.35
	26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,117.26	380.13
	26 56 21 00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small>		
	26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	614.49	221.85
	26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	666.65	236.13
	26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	717.45	249.10
	26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	741.66	259.47
	26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	822.06	291.91
	26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	886.37	324.35
	26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,226.90	380.13
	26 56 21 00-0058		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21)</small>		
	26 56 21 00-0059		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0058)</small>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
	26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	824.43	175.15
	26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	854.08	194.61
	26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	911.58	221.85
	26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	936.15	236.13



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0064 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	961.56	249.10
26 56 21 00-0065 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,007.65	259.47
26 56 21 00-0066 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,104.67	291.91
26 56 21 00-0067 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,344.91	324.35
26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0068)</small>		
<small>Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.</small>		
26 56 21 00-0069 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	907.37	194.61
26 56 21 00-0070 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	956.79	221.85
26 56 21 00-0071 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	988.89	236.13
26 56 21 00-0072 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,030.55	249.10
26 56 21 00-0073 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,052.93	259.47
26 56 21 00-0074 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,152.29	291.91
26 56 21 00-0075 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,471.39	324.35
26 56 21 00-0076 Wall Packs <small>(26 56 21)</small>		
26 56 21 00-0077 Non-Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0076)</small>		
<small>Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.</small>		
26 56 21 00-0078 EA 13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	367.27	61.22
26 56 21 00-0079 EA 50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	394.24	61.22
26 56 21 00-0080 EA 35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	394.24	61.22
26 56 21 00-0081 EA 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	525.02	61.22
26 56 21 00-0082 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0076)</small>		
<small>Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.</small>		
26 56 21 00-0083 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	736.12	61.22
26 56 21 00-0084 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	745.82	61.22
26 56 21 00-0085 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	754.21	61.22
26 56 21 00-0086 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	738.91	61.22
26 56 21 00-0087 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	675.97	61.22
26 56 21 00-0088 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	641.40	61.22
26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0076)</small>		
<small>Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.</small>		
26 56 21 00-0090 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	775.94	61.22
26 56 21 00-0091 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	784.78	61.22
26 56 21 00-0092 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	769.50	61.22
26 56 21 00-0093 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	781.80	61.22
26 56 21 00-0094 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	781.80	61.22
26 56 21 00-0095 Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.</small>		
26 56 21 00-0096 EA 70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	735.48	81.55
26 56 21 00-0097 EA 100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	735.48	81.55
26 56 21 00-0098 EA 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	688.11	81.55
26 56 21 00-0099 EA 70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	706.26	81.55
26 56 21 00-0100 EA 100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	706.26	81.55
26 56 21 00-0101 EA 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	653.75	81.55
26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.</small>		
26 56 21 00-0103 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	763.54	81.55
26 56 21 00-0104 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	763.54	81.55
26 56 21 00-0105 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	763.54	81.55
26 56 21 00-0106 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	735.68	81.55
26 56 21 00-0107 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	735.68	81.55
26 56 21 00-0108 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	735.68	81.55
26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.</small>		
26 56 21 00-0110 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	990.25	81.55
26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. Lithonia TWR2.</small>		
26 56 21 00-0112 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	927.03	101.02
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 21 00-0113 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	991.24	101.02
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 21 00-0114 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,067.80	101.02
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".		1,088.87	101.02
26 56 21 00-0116		Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.			
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack		1,009.62	101.02
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack		1,081.77	101.02
26 56 21 00-0119		Non-Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.			
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack.....		927.70	122.44
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack.....		851.28	122.44
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack		910.01	122.44
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack		915.86	122.44
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack.....		921.99	122.44
26 56 21 00-0125		Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.			
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack		927.72	122.44
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack		953.22	122.44
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack		1,029.63	122.44
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack.....		978.70	122.44
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack		1,004.20	122.44
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack		1,055.09	122.44
26 56 21 00-0132		Semi Cutoff, Induction Wall Packs (26 56 21 00-0076)			
26 56 21 00-0133		Semi Cutoff, Induction Wall Packs (Everlast®) (26 56 21 00-0132) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.			
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70).....		1,210.58	117.19
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80).....		1,235.24	124.08
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100).....		1,259.90	130.98
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120).....		1,404.21	137.86
26 56 21 00-0138		Non-Cutoff, Polycarbonate Lens, Small Wall Packs (26 56 21 00-0076)			
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P).....		379.14	61.22
26 56 21 00-0140		Induction, Roadway Lighting (26 56 21)			
26 56 21 00-0141		Induction Roadway Lighting (US Lighting Tech) (26 56 21 00-0140) Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.			
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		665.33	206.80
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		728.48	213.70
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		756.06	227.47
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		783.63	241.26
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		910.94	248.16
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		928.68	255.05
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		623.87	206.80
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		692.94	213.70
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		720.52	227.47
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		748.09	241.26
26 56 21 00-0152		Induction, Area Fixtures (26 56 21)			
26 56 21 00-0153		Post Top, Induction Area Fixtures (26 56 21 00-0152)			
26 56 21 00-0154		Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 21 00-0153) Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.			
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		735.51	189.57
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		792.77	189.57
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		792.77	189.57
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		792.77	189.57
26 56 21 00-0159		Surface Mount, Induction Parking Structure Fixtures (26 56 21 00-0152)			
26 56 21 00-0160		Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 21 00-0159)			
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		668.51	172.33
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		708.97	175.78
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		719.81	179.23
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		730.65	182.67
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		741.50	186.12
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		756.29	189.57



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0167 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	777.07	179.23
26 56 21 00-0168 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	787.91	182.67
26 56 21 00-0169 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	798.76	186.12
26 56 21 00-0170 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	830.33	189.57
 26 56 21 00-0171 Pole Mount, Induction Area Fixtures <small>(26 56 21 00-0152)</small>		
26 56 21 00-0172 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 21 00-0171)</small>		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173 EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,264.96	117.19
26 56 21 00-0174 EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,300.50	124.08
26 56 21 00-0175 EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,336.04	130.98

END OF SECTION 26

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar.....	186.16	33.14
27 05 26 00-0002	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	200.64	33.14
27 05 26 00-0003	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	381.40	33.14
27 05 26 00-0004	EA	#6 AWG, Cable Runway Ground Strap.....	75.96	6.13
27 05 26 00-0005	EA	1/4" Screw Size, #6 AWG Compression Lug.....	26.42	6.13
27 05 26 00-0006	EA	3/8" Screw Size, #6 AWG Compression Lug.....	28.17	6.13
27 05 26 00-0007	EA	Two Mounting Hole, Ground Terminal Block.....	31.40	6.13
27 05 26 00-0008	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	1,049.25	125.44
		Note: Excludes terminations.		
27 05 26 00-0009	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,340.91	167.29
		Note: Excludes terminations.		
27 05 26 00-0010	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	2,124.45	250.89
		Note: Excludes terminations.		
27 05 26 00-0011	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	12.68	1.84

27 05 29 Hangers and Supports for Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	9.65	3.07
		<i>For >50 To 100, Deduct</i>	-0.39	
		<i>For >100 To 250, Deduct</i>	-0.79	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-2.19	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
		<i>For Work In Restricted Working Space, Add</i>	1.84	
		<i>For Painted Powder Coated Finish, Add</i>	0.72	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	10.20	3.07
		<i>For >50 To 100, Deduct</i>	-0.41	
		<i>For >100 To 250, Deduct</i>	-0.82	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-2.25	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
		<i>For Work In Restricted Working Space, Add</i>	1.84	
		<i>For Painted Powder Coated Finish, Add</i>	2.51	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	8.94	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	11.04	3.07
		<i>For >50 To 100, Deduct</i>	-0.43	
		<i>For >100 To 250, Deduct</i>	-0.86	
		<i>For >250 To 500, Deduct</i>	-1.59	
		<i>For >500, Deduct</i>	-2.33	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
		<i>For Work In Restricted Working Space, Add</i>	1.84	
		<i>For Painted Powder Coated Finish, Add</i>	3.08	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	11.11	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	18.35	3.07
		<i>For >50 To 100, Deduct</i>	-0.61	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-2.14	
		<i>For >500, Deduct</i>	-3.06	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
		<i>For Work In Restricted Working Space, Add</i>	1.84	
		<i>For Painted Powder Coated Finish, Add</i>	1.64	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	9.84	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008	EA		3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	10.94	3.07
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100 To 250, Deduct</i>	-0.85	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-2.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	14.22	3.07
			<i>For >50 To 100, Deduct</i>	-0.51	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.65	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	15.82	3.07
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.81	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	21.56	3.07
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-2.38	
			<i>For >500, Deduct</i>	-3.38	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0012			Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	11.55	3.07
			<i>For >50 To 100, Deduct</i>	-0.44	
			<i>For >100 To 250, Deduct</i>	-0.88	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-2.38	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	13.74	3.07
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.60	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	14.88	3.07
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.88	
			<i>For >500, Deduct</i>	-2.71	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	20.29	3.07
			<i>For >50 To 100, Deduct</i>	-0.66	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-2.29	
			<i>For >500, Deduct</i>	-3.26	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0017			T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	13.95	3.07
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.81	
			<i>For >500, Deduct</i>	-2.62	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	17.66	3.07
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.99	
			<i>For Work In Restricted Working Space, Add</i>	1.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020 EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	18.63	3.07
<i>For >50 To 100, Deduct</i>	-0.62	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-3.09	
<i>For Work In Restricted Working Space, Add</i>	1.84	
 27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
<small>Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.</small>		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	11.25	3.07
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.87	
<i>For >250 To 500, Deduct</i>	-1.61	
<i>For >500, Deduct</i>	-2.35	
<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	11.76	3.07
<i>For >50 To 100, Deduct</i>	-0.45	
<i>For >100 To 250, Deduct</i>	-0.89	
<i>For >250 To 500, Deduct</i>	-1.65	
<i>For >500, Deduct</i>	-2.40	
<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	14.33	3.07
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.84	
<i>For >500, Deduct</i>	-2.66	
<i>For Work In Restricted Working Space, Add</i>	1.84	
 27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
<small>Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.</small>		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	14.03	3.07
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.63	
<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	15.23	3.07
<i>For >50 To 100, Deduct</i>	-0.53	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.75	
<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	21.22	3.07
<i>For >50 To 100, Deduct</i>	-0.68	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-2.36	
<i>For >500, Deduct</i>	-3.35	
<i>For Work In Restricted Working Space, Add</i>	1.84	
 27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	13.86	3.07
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.00	
<i>For >250 To 500, Deduct</i>	-1.81	
<i>For >500, Deduct</i>	-2.61	
<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	16.01	3.07
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.83	
<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	17.15	3.07
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-2.05	
<i>For >500, Deduct</i>	-2.94	
<i>For Work In Restricted Working Space, Add</i>	1.84	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0033	EA		4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	23.39	3.07
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-2.52	
			<i>For >500, Deduct</i>	-3.57	
			<i>For Work In Restricted Working Space, Add</i>	1.84	
27 05 29 00-0034			Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)		
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	39.69	4.04
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100 To 250, Deduct</i>	-2.60	
			<i>For >250 To 500, Deduct</i>	-4.51	
			<i>For >500, Deduct</i>	-6.42	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	3.16	
			<i>For Work In Restricted Working Space, Add</i>	3.67	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	40.50	4.04
			<i>For >50 To 100, Deduct</i>	-1.32	
			<i>For >100 To 250, Deduct</i>	-2.64	
			<i>For >250 To 500, Deduct</i>	-4.57	
			<i>For >500, Deduct</i>	-6.50	
			<i>For Work In Restricted Working Space, Add</i>	3.67	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	44.68	4.04
			<i>For >50 To 100, Deduct</i>	-1.42	
			<i>For >100 To 250, Deduct</i>	-2.85	
			<i>For >250 To 500, Deduct</i>	-4.88	
			<i>For >500, Deduct</i>	-6.92	
			<i>For Work In Restricted Working Space, Add</i>	3.67	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	39.56	4.04
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100 To 250, Deduct</i>	-2.59	
			<i>For >250 To 500, Deduct</i>	-4.50	
			<i>For >500, Deduct</i>	-6.40	
			<i>For Work In Restricted Working Space, Add</i>	3.67	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	41.50	4.04
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100 To 250, Deduct</i>	-2.69	
			<i>For >250 To 500, Deduct</i>	-4.64	
			<i>For >500, Deduct</i>	-6.60	
			<i>For Work In Restricted Working Space, Add</i>	3.67	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	43.41	4.04
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100 To 250, Deduct</i>	-2.78	
			<i>For >250 To 500, Deduct</i>	-4.79	
			<i>For >500, Deduct</i>	-6.79	
			<i>For Work In Restricted Working Space, Add</i>	3.67	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	40.85	4.04
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100 To 250, Deduct</i>	-2.65	
			<i>For >250 To 500, Deduct</i>	-4.59	
			<i>For >500, Deduct</i>	-6.53	
			<i>For Work In Restricted Working Space, Add</i>	3.67	

27 05 33 Conduits and Backboxes for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems (27 05)

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings (27 10)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 Communications Cabinets, Racks, Frames, and Enclosures (27 11)

27 11 16 00-0001	3/4" Fire Retardant Plywood Backboards (27 11 16)		
27 11 16 00-0002	EA 4' x 4' x 3/4" Fire Retardant Plywood Backboard 102.55		31.83
	<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	62.30	
27 11 16 00-0003	EA 4' x 8' x 3/4" Fire Retardant Plywood Backboard 205.10		63.67
	<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	124.59	

27 11 16 00-0004 Terminal Cabinets (27 11 16)

27 11 16 00-0005	EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard 387.41	91.83
27 11 16 00-0006	EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard 493.10	101.02
27 11 16 00-0007	EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard 567.37	116.32
27 11 16 00-0008	EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard 589.10	119.38
27 11 16 00-0009	EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard 726.24	122.44
27 11 16 00-0010	EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard 902.52	137.75
27 11 16 00-0011	EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard 925.49	134.69
27 11 16 00-0012	EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard 1,184.64	191.87
27 11 16 00-0013	EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard 1,265.89	210.85
27 11 16 00-0014	EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard 1,537.17	222.73
27 11 16 00-0015	EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard 1,269.69	183.66
27 11 16 00-0016	EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard 1,373.06	198.97
27 11 16 00-0017	EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard 1,710.08	255.06
27 11 16 00-0018	EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard 2,050.35	318.85
27 11 16 00-0019	EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard 2,336.43	315.29
27 11 16 00-0020	EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard 2,678.39	383.62

27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)

27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)

27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)

27 11 16 00-0025	EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03) 594.21	195.91
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	10.12
27 11 16 00-0026	EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15) 815.68	208.15
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.97
27 11 16 00-0027	EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08) 880.49	220.40
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.98

27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)

27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0031	EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31) 761.35	171.42
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.93
27 11 16 00-0032	EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20) 830.17	174.48
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.06
27 11 16 00-0033	EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19) 829.55	177.54
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.72
27 11 16 00-0034	EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00) 850.65	180.60
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.47
27 11 16 00-0035	EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01) 871.52	183.66
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.21
27 11 16 00-0036	EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02) 894.08	186.73
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.03
27 11 16 00-0037	EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03) 766.07	189.79
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.32
27 11 16 00-0038	EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05) 937.96	192.85
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.61
27 11 16 00-0039	EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15) 970.63	195.91
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.94
27 11 16 00-0040	EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17) 999.21	198.97
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.06
27 11 16 00-0041	EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08) 1,006.47	202.03
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.12

27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0043	EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31) 804.29	171.42
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.07
27 11 16 00-0044	EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20) 831.77	174.48
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.14
27 11 16 00-0045	EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19) 855.99	177.54
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.05
27 11 16 00-0046	EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00) 900.95	180.60
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.99

27 Communications

27 10 Structured Cabling

27 11 Communications Equipment Room Fittings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0047	EA		72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	923.30 27.80	183.66
27 11 16 00-0048	EA		78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	947.58 28.71	186.73
27 11 16 00-0049	EA		84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	820.18 22.03	189.79
27 11 16 00-0050	EA		90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	994.73 30.45	192.85
27 11 16 00-0051	EA		96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,030.09 31.91	195.91
27 11 16 00-0052	EA		102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,061.02 33.15	198.97
27 11 16 00-0053	EA		108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,068.37 33.22	202.03
27 11 16 00-0054			35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055	EA		72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	996.10 31.44	183.66
27 11 16 00-0056	EA		84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,048.46 33.44	189.79
27 11 16 00-0057			UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058			19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059	EA		36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	803.21 23.02	171.42
27 11 16 00-0060	EA		48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	866.80 25.89	174.48
27 11 16 00-0061	EA		60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	880.13 26.25	177.54
27 11 16 00-0062	EA		66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	899.63 26.92	180.60
27 11 16 00-0063	EA		72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	921.93 27.73	183.66
27 11 16 00-0064	EA		78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	946.14 28.63	186.73
27 11 16 00-0065	EA		84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	969.41 29.49	189.79
27 11 16 00-0066	EA		90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	993.21 30.38	192.85
27 11 16 00-0067	EA		96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,028.53 31.84	195.91
27 11 16 00-0068	EA		102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,059.38 33.07	198.97
27 11 16 00-0069	EA		108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,066.66 33.13	202.03
27 11 16 00-0070			23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071	EA		36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	850.49 25.38	171.42
27 11 16 00-0072	EA		48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	930.92 29.10	174.48
27 11 16 00-0073	EA		60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	942.89 29.39	177.54
27 11 16 00-0074	EA		66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	954.91 29.68	180.60
27 11 16 00-0075	EA		72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	978.89 30.58	183.66
27 11 16 00-0076	EA		78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,004.99 31.58	186.73
27 11 16 00-0077	EA		84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,030.00 32.52	189.79
27 11 16 00-0078	EA		90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,055.61 33.50	192.85
27 11 16 00-0079	EA		96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,093.90 35.10	195.91
27 11 16 00-0080	EA		102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,127.33 36.47	198.97
27 11 16 00-0081	EA		108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,134.90 36.54	202.03
27 11 16 00-0082			4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083			4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084	EA		19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,617.96 50.29	306.11
27 11 16 00-0085	EA		19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,764.51 56.39	318.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0086	EA		19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,902.83 62.08	330.61
27 11 16 00-0087			4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088	EA		19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,662.19 52.50	306.11
27 11 16 00-0089			Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090			Horizontal Cable Managers (27 11 16 00-0089)		
27 11 16 00-0091			Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0092	EA		1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	92.94	12.24
27 11 16 00-0093	EA		1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	103.32	12.24
27 11 16 00-0094	EA		1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	77.84	12.24
27 11 16 00-0095	EA		2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	94.50	12.24
27 11 16 00-0096	EA		2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	110.57	12.24
27 11 16 00-0097	EA		2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	86.05	12.24
27 11 16 00-0098	EA		3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	126.88	12.24
27 11 16 00-0099	EA		3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	144.22	12.24
27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	102.46	12.24
27 11 16 00-0101			Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0102	EA		1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	115.06	12.24
27 11 16 00-0103	EA		1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	128.75	12.24
27 11 16 00-0104	EA		2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	120.99	12.24
27 11 16 00-0105	EA		2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	140.59	12.24
27 11 16 00-0106	EA		3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	156.12	12.24
27 11 16 00-0107	EA		3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	174.65	12.24
27 11 16 00-0108			Vertical Cable Managers (27 11 16 00-0089)		
27 11 16 00-0109			Single-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0110	EA		3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	207.04	18.37
27 11 16 00-0111	EA		6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	291.16	18.37
27 11 16 00-0112	EA		10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	467.63	18.37
27 11 16 00-0113	EA		12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	529.18	18.37
27 11 16 00-0114	EA		3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	221.40	18.37
27 11 16 00-0115	EA		6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	313.73	18.37
27 11 16 00-0116	EA		10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	508.66	18.37
27 11 16 00-0117	EA		12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	570.22	18.37
27 11 16 00-0118	EA		3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	250.13	18.37
27 11 16 00-0119	EA		6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	344.51	18.37
27 11 16 00-0120	EA		10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	570.22	18.37
27 11 16 00-0121	EA		12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	631.78	18.37
27 11 16 00-0122			Double-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0123	EA		3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	299.37	18.37
27 11 16 00-0124	EA		6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	352.72	18.37
27 11 16 00-0125	EA		10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	570.22	18.37
27 11 16 00-0126	EA		12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	672.81	18.37
27 11 16 00-0127	EA		3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	323.99	18.37
27 11 16 00-0128	EA		6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	377.34	18.37
27 11 16 00-0129	EA		10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	611.26	18.37
27 11 16 00-0130	EA		12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	713.85	18.37
27 11 16 00-0131	EA		3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	356.82	18.37
27 11 16 00-0132	EA		6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	410.17	18.37
27 11 16 00-0133	EA		10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	672.81	18.37
27 11 16 00-0134	EA		12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	775.41	18.37
27 11 16 00-0135			Accessories For Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0136	EA		Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	127.08	12.24
27 11 16 00-0137	EA		Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	135.29	12.24
27 11 16 00-0138	EA		Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	143.50	12.24
27 11 16 00-0139	EA		Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	131.19	12.24
27 11 16 00-0140	EA		Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	143.50	12.24
27 11 16 00-0141	EA		Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	155.81	12.24
27 11 16 00-0142	EA		Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	147.60	12.24
27 11 16 00-0143	EA		Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	159.91	12.24
27 11 16 00-0144	EA		Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	172.23	12.24
27 11 16 00-0145	EA		Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	155.81	12.24
27 11 16 00-0146	EA		Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	172.23	12.24
27 11 16 00-0147	EA		Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	184.54	12.24
27 11 16 00-0148	EA		Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	106.57	12.24
27 11 16 00-0149	EA		Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	122.98	12.24

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0150	EA		Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001).....	128.52	12.24
27 11 16 00-0151	EA		Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001).....	81.94	12.24
27 11 19			Communications Termination Blocks and Patch Panels (27 11)		
			Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.		
27 11 19 00-0001			Computer Network Components (27 11 19)		
27 11 19 00-0002			Ethernet Patch Panels (27 11 19 00-0001)		
27 11 19 00-0003	EA		12 Port, Category 5E Patch Panel.....	303.64	61.22
27 11 19 00-0004	EA		24 Port, Category 5E Patch Panel.....	458.24	61.22
27 11 19 00-0005	EA		32 Port, Category 5E Patch Panel.....	604.53	61.22
27 11 19 00-0006	EA		48 Port, Category 5E Patch Panel.....	740.84	61.22
27 11 19 00-0007	EA		64 Port, Category 5E Patch Panel.....	826.83	76.53
27 11 19 00-0008	EA		96 Port, Category 5E Patch Panel.....	1,373.92	91.83
27 11 19 00-0009	EA		12 Port, Category 6 Patch Panel.....	377.95	61.22
27 11 19 00-0010	EA		24 Port, Category 6 Patch Panel.....	468.21	61.22
27 11 19 00-0011	EA		48 Port, Category 6 Patch Panel.....	813.99	61.22
27 11 19 00-0012	EA		96 Port, Category 6 Patch Panel.....	1,513.56	91.83
27 11 19 00-0013	EA		16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP).....	774.93	91.83
27 11 19 00-0014	EA		16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP).....	814.46	91.83
27 11 19 00-0015	EA		12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289).....	318.18	61.22
27 11 19 00-0016	EA		Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	43.38	
			For >5 To 10 Cables, Deduct	-7.81	
			For >10 Cables, Deduct	-17.35	
27 11 19 00-0017	EA		Terminate One End Of A Twisted Pair Of Wires.....	11.93	
			Note: Per each pair		
			For >20 To 40 Pairs, Deduct	-1.91	
			For >40 Pairs, Deduct	-4.53	
27 11 19 00-0018			Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0019			Fiber Optic Cable Connector Housings (27 11 19 00-0018)		
27 11 19 00-0020			Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
			Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA		1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	166.11	27.55
27 11 19 00-0022	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	252.51	27.55
27 11 19 00-0023	EA		4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	380.33	27.55
27 11 19 00-0024	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	559.41	45.92
27 11 19 00-0025	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	786.99	45.92
27 11 19 00-0026			Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
			Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	582.75	45.92
27 11 19 00-0028	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	669.51	45.92
27 11 19 00-0029	EA		6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	722.58	45.92
27 11 19 00-0030	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	850.82	45.92
27 11 19 00-0031			Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)		
			Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	731.45	45.92
			For Splice Tray Bracket, Add	80.33	
27 11 19 00-0033	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	860.52	45.92
			For Splice Tray Bracket, Add	87.84	
27 11 19 00-0034	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	1,078.04	45.92
			For Splice Tray Bracket, Add	320.02	
27 11 19 00-0035			Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)		
			Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA		8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	934.50	45.92
27 11 19 00-0037	EA		12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,200.81	45.92
27 11 19 00-0038	EA		24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,362.24	45.92
27 11 19 00-0039	EA		48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	1,773.96	45.92
27 11 19 00-0040			Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)		
			Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	840.09	27.55
27 11 19 00-0042	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	1,158.46	45.92
27 11 19 00-0043	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	1,216.73	45.92



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 19 00-0044	Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	880.36	27.55
27 11 19 00-0046	EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,157.75	45.92
27 11 19 00-0047	EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,363.91	45.92
27 11 19 00-0048	Fiber Optic Cable Connector Panels (27 11 19 00-0018)		
27 11 19 00-0049	SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0050	EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	114.54	6.12
27 11 19 00-0051	EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	124.55	6.12
27 11 19 00-0052	EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	140.07	6.12
27 11 19 00-0053	EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	153.40	6.12
27 11 19 00-0054	EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	191.16	6.12
27 11 19 00-0055	EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	211.10	6.12
27 11 19 00-0056	SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0057	EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	110.12	6.12
27 11 19 00-0058	EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	112.47	6.12
27 11 19 00-0059	EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	134.21	6.12
27 11 19 00-0060	EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	137.33	6.12
27 11 19 00-0061	EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	182.37	6.12
27 11 19 00-0062	EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	187.02	6.12
27 11 19 00-0063	LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0064	EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	119.15	6.12
27 11 19 00-0065	EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	130.93	6.12
27 11 19 00-0066	EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	146.20	6.12
27 11 19 00-0067	EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	161.92	6.12
27 11 19 00-0068	EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	200.37	6.12
27 11 19 00-0069	EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	223.91	6.12
27 11 19 00-0070	EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	254.52	6.12
27 11 19 00-0071	EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	285.90	6.12
27 11 19 00-0072	EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	362.79	6.12
27 11 19 00-0073	EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	373.73	6.12
27 11 19 00-0074	ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0075	EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	94.74	6.12
27 11 19 00-0076	EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	102.31	6.12
27 11 19 00-0077	EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	113.68	6.12
27 11 19 00-0078	EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	123.77	6.12
27 11 19 00-0079	EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	151.53	6.12
27 11 19 00-0080	EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	166.69	6.12
27 11 19 00-0081	MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0082	EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	118.44	6.12
27 11 19 00-0083	EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	178.61	6.12
27 11 19 00-0084	Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)		
27 11 19 00-0085	EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,041.73	6.12
27 11 19 00-0086	EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	1,045.36	6.12
27 11 19 00-0087	Fiber Optic Cable Splice Housings (27 11 19 00-0018)		
27 11 19 00-0088	Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	390.64	61.22
27 11 19 00-0090	Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087) Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	605.58	45.92
27 11 19 00-0092	EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	615.01	45.92
27 11 19 00-0093	Fiber Optic Cable Splice Trays (27 11 19 00-0087)		
27 11 19 00-0094	EA Fiber Optic Cable Splice Tray.....	112.68	15.31

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27 11 19 00-0095	Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018) Note: Includes mounting hardware.		
27 11 19 00-0096	EA Rack Mount, Fiber Optic Cable Jumper Management Panel	211.74	45.92
27 11 19 00-0097	Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0098	EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	79.25	
27 11 19 00-0099	EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	106.46	
27 11 19 00-0100	EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	115.63	
27 11 19 00-0101	EA Wall Mount Bracket For 96 Port Patch Panel.....	128.59	
27 11 19 00-0102	EA Lightning Protection Plus Stainless Steel Modules, Siemon	530.06	61.22
27 11 19 00-0103	Telephone Components (27 11 19)		
27 11 19 00-0104	Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)		
27 11 19 00-0105	EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	36.34	12.27
27 11 19 00-0106	EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG.....	69.78	12.27
27 11 19 00-0107	EA Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG.....	56.10	12.27
27 11 19 00-0108	EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	27.92	12.27
27 11 19 00-0109	EA Flat Terminal Block Connection With Wire Range 22-8 AWG	19.80	8.59
27 11 19 00-0110	EA Ground Terminal Block With Wire Range 22-8 AWG	37.79	12.27
27 11 19 00-0111	EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	27.92	12.27
27 11 19 00-0112	EA Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	19.59	8.59
27 11 19 00-0113	EA Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	19.44	8.59
27 11 19 00-0114	EA Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG.....	20.10	8.59
27 11 19 00-0115	Terminal Block Mounting Channel (27 11 19 00-0103)		
27 11 19 00-0116	EA Terminal Block Mounting Channel, .5 M Galvanized Steel	19.22	6.13
27 11 19 00-0117	EA Terminal Block Mounting Channel, 1 M Galvanized Steel	24.86	6.13
27 11 19 00-0118	EA Terminal Block Mounting Channel, 2 M Galvanized Steel	34.77	6.13
27 11 19 00-0119	EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	24.64	7.36
27 11 19 00-0120	EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	34.02	7.36
27 11 19 00-0121	EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	49.49	7.36
27 11 19 00-0122	Outlet Termination Hardware (27 11 19 00-0103)		
27 11 19 00-0123	EA Telephone Outlet Blocks.....	37.34	6.13
27 11 19 00-0124	EA Phone Outlet Block For Floor Box	103.10	46.53
	Note: Excludes box.		
27 11 19 00-0125	EA Fiber Optic "SC" Type Modular Bulkhead	91.36	27.55
27 11 19 00-0126	EA Fiber Optic "ST" Type Modular Bulkhead	91.36	27.55
27 11 19 00-0127	EA Type "F" Coaxial Connector Male.....	53.35	18.37
27 11 19 00-0128	EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	138.27	30.61
27 11 19 00-0129	EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	138.27	30.61
27 11 19 00-0130	EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	166.97	30.61
27 11 19 00-0131	EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	166.97	30.61
27 11 19 00-0132	EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	151.87	30.61
27 11 19 00-0133	EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,321.32	153.05
27 11 19 00-0134	EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	64.63	12.24
	Note: Excludes cable terminations.		
27 11 19 00-0135	EA 5-Pair, Connecting Block	3.86	1.22
27 11 19 00-0136	EA 4-Pair, Connecting Block	4.18	1.22
27 11 19 00-0137	EA Plastic Label Holder, Transparent.....	15.64	3.06
27 11 19 00-0138	EA Marked Label, White, 5-Pair	4.22	
27 11 19 00-0139	EA Marked Label, Blue, 4-Pair	4.22	
27 11 19 00-0140	Terminations in Manhole or Junction Box (27 11 19 00-0103)		
27 11 19 00-0141	EA 25 Pair Cable Termination In Manhole Or Junction Box	195.91	
27 11 19 00-0142	EA 50 Pair Cable Termination In Manhole Or Junction Box	391.83	
27 11 19 00-0143	EA 100 Pair Cable Termination In Manhole Or Junction Box	783.64	
27 11 19 00-0144	EA 150 Pair Cable Termination In Manhole Or Junction Box	1,175.47	
27 11 19 00-0145	EA 200 Pair Cable Termination In Manhole Or Junction Box	1,375.05	
27 11 19 00-0146	EA 300 Pair Cable Termination In Manhole Or Junction Box	2,061.97	
27 11 19 00-0147	EA 400 Pair Cable Termination In Manhole Or Junction Box	2,593.38	
27 11 19 00-0148	EA 500 Pair Cable Termination In Manhole Or Junction Box	3,242.33	
27 11 19 00-0149	EA 750 Pair Cable Termination In Manhole Or Junction Box	4,863.47	
27 11 19 00-0150	EA 1,000 Pair Cable Termination In Manhole Or Junction Box	5,898.11	
27 11 19 00-0151	EA 1,200 Pair Cable Termination In Manhole Or Junction Box	6,722.27	
27 11 23	Communications Cable Management and Ladder Rack (27 11)		
27 11 23 00-0001	Equipment Supports (27 11 23)		
27 11 23 00-0002	EA 110 Jumper Trough (Commscope 107831133)	35.90	6.12
27 11 23 00-0003	LF Velcro CMP.....	2.96	1.23
27 11 23 00-0004	EA 12" x 5'-11" Tubular Runway.....	124.38	29.39
27 11 23 00-0005	EA 12" x 9'-11" Tubular Runway.....	214.39	48.98



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27 11 23 00-0006 EA Shelf Bracket Support For Tubular Runway	39.36	9.18
27 11 23 00-0007 EA Straight Clamp Hardware For Tubular Runway	16.58	6.12
27 11 23 00-0008 EA Corner Clamp Hardware For Tubular Runway	17.65	6.12
27 11 23 00-0009 EA 90 Degree Edge Clamp Hardware For Tubular Runway	40.87	11.02
27 11 23 00-0010 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway	87.61	18.37
27 11 23 00-0011 EA J-Bolt Hardware For Tubular Runway	7.88	2.69
27 11 23 00-0012 EA T Bracket Hardware For Tubular Runway	44.66	15.31

27 13 Communications Backbone Cabling (27 10)

27 13 13 Communications Copper Backbone Cabling (27 13)

27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)

27 13 13 13-0001 Modular Plugs For Copper Communications Cable (27 13 13 13)

27 13 13 13-0002 EA Modular Plug For Non Shielded Copper Communications Cable	30.08	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.66	
For >10, Deduct	-7.32	
27 13 13 13-0003 EA Modular Plug For Shielded Copper Communications Cable	34.33	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-4.12	
For >10, Deduct	-8.24	

27 13 13 13-0004 Communications Termination Blocks (27 13 13 13)

27 13 13 13-0005 EA 100-Pair, 110 Block With Legs	61.76	15.31
27 13 13 13-0006 EA 300-Pair, 110 Block With Legs	107.06	15.31
27 13 13 13-0007 EA Clear Label Holder For 110 Wiring Block	13.12	6.12
27 13 13 13-0008 EA 4-Pair, 110C Connecting Block	7.49	3.06
27 13 13 13-0009 EA 5-Pair, 110C Connecting Block	7.66	3.06
27 13 13 13-0010 EA 100-Pair, 110 Jack Panel System	348.87	18.37
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0011 EA 300-Pair, 110 Jack Panel System	657.32	18.37
Note: Includes twelve 8-pin modular jacks and mounting legs.		

27 13 13 13-0012 Testing And Certification Of Copper Communications Cable (27 13 13 13)

Note: Use for existing systems.		
27 13 13 13-0013 EA Test 1-Pair Of A Copper Communications Cable For Continuity	6.12	
For >25-Pair, Deduct	-2.44	
27 13 13 13-0014 EA Certify 1-Pair Of A Copper Communications Cable	9.18	
For >25-Pair, Deduct	-3.66	
27 13 13 13-0015 EA Certify And Document 1-Pair Of A Copper Communications Cable	14.70	
For >25-Pair, Deduct	-5.86	
27 13 13 13-0016 EA Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	24.49	
For >25-Pair, Deduct	-9.76	
27 13 13 13-0017 EA Certify 4-Pair Category 5-7 Telecommunications Cable	36.73	
For >25-Pair, Deduct	-14.64	
27 13 13 13-0018 EA Certify And Document 4-Pair Category 5-7 Telecommunications Cable	58.77	
For >25-Pair, Deduct	-23.43	

27 13 13 13-0019 Building Entrance Terminals (27 13 13 13)

27 13 13 13-0020 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,936.99	268.52
27 13 13 13-0021 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,876.72	447.55
27 13 13 13-0022 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,445.89	716.63

27 13 23 Communications Optical Fiber Backbone Cabling (27 13)

27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)

27 13 23 13-0001 Fiber Optic Cable Connectors (27 13 23 13)

27 13 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable	35.34	
27 13 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable	40.74	
27 13 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable	39.34	
27 13 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable	46.22	
27 13 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable	53.74	
27 13 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable	55.34	
27 13 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable	80.20	

27 13 23 13-0009 Fiber Optic Cable Fan Out Kits (27 13 23 13)

27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0009)

27 13 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	268.35	
27 13 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	272.83	
27 13 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	310.69	
27 13 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	339.08	

27 Communications**27 10 Structured Cabling****27 13 Communications Backbone Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable <small>(27 13 23 13-0009)</small>		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	323.57	
27 13 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	353.65	
27 13 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	515.43	
27 13 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	667.94	
27 13 23 13-0020 Fiber Optic Cable Splice Closures <small>(27 13 23 13)</small>		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	983.50	122.44
27 13 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,228.39	244.89
27 13 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,228.39	244.89
27 13 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,651.82	122.44
27 13 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,896.71	244.89
27 13 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,896.71	244.89
27 13 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure	67.84	15.31
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0028 Fiber Optic Cable Splicing <small>(27 13 23 13)</small>		
27 13 23 13-0029 EA Single Strand, Fusion Splice Of Fiber Optic Cable	36.73	
27 13 23 13-0030 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	122.44	
27 13 23 13-0031 Fiber Optic Cable Testing <small>(27 13 23 13)</small>		
Note: Price based on testing one wavelength.		
27 13 23 13-0032 Fiber Optic Cable Testing Using An OTDR <small>(27 13 23 13-0031)</small>		
Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	24.49	
For >12 To 48 Strands, Deduct	-1.84	
For >48 Strands, Deduct	-2.45	
27 13 23 13-0034 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	36.73	
For >12 To 48 Strands, Deduct	-2.75	
For >48 Strands, Deduct	-3.67	
27 13 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	61.22	
For >12 To 48 Strands, Deduct	-4.59	
For >48 Strands, Deduct	-6.12	
27 13 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	91.83	
For >12 To 48 Strands, Deduct	-6.89	
For >48 Strands, Deduct	-9.18	
27 13 23 13-0037 Fiber Optic Cable Testing Using A Power Meter <small>(27 13 23 13-0031)</small>		
27 13 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	24.49	
For >12 To 48 Strands, Deduct	-1.84	
For >48 Strands, Deduct	-2.45	
27 13 23 13-0039 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	36.73	
For >12 To 48 Strands, Deduct	-2.75	
For >48 Strands, Deduct	-3.67	
27 13 23 13-0040 Fiber Optic Cable Light Source/Continuity Testing <small>(27 13 23 13-0031)</small>		
27 13 23 13-0041 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	24.49	
For >12 To 48 Strands, Deduct	-1.84	
For >48 Strands, Deduct	-2.45	
27 13 23 13-0042 Other Fiber Optic Cable Equipment <small>(27 13 23 13)</small>		
27 13 23 13-0043 EA 8 Port Ethernet Switch	1,030.61	240.90
27 13 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth	1,453.44	240.90
Note: Patch antenna with 1 meter 3' SMA-N cable		
27 13 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge	35,806.56	240.90
Note: 8 Volt DC input		
27 13 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	356.38	30.16
27 13 23 13-0047 EA Hardened Ethernet Switch	3,774.12	120.60
27 13 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station	97,741.69	2,894.23
27 13 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station	121,382.11	3,858.97
27 13 23 13-0050 EA Fiber Break Out Box For 24 Fiber	1,578.88	241.18
27 13 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	1,820.16	120.60
27 13 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	1,524.09	120.60
27 13 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input	1,940.76	180.88
27 13 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100 Volt AC - 260 Volt AC, Power Module Included. Gigabit Ports: 1 x 1000TX And 1 x 1000LX SM 20KM, (Etherwan Systems)	1,490.92	
27 13 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100 Volt AC - 260 Volt AC.	1,490.92	
27 13 23 13-0056 Other Fiber Optic Cable Splicing <small>(27 13 23 13)</small>		
27 13 23 13-0057 EA Fiber Optic Finger Splice	43.37	23.02



Communications	27	27
Structured Cabling	27 10	
Communications Backbone Cabling	27 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 13 23 13-0058 EA Fiber Optic Splice Box - Manholes.....7,151.53

27 15 Communications Horizontal Cabling ^(27 10)

27 15 01 Communications Horizontal Cabling Applications ^(27 15)

27 15 01 13 Video Surveillance Communications Conductors and Cables ^(27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables ^(27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling ^(27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables ^(27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables ^(27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable ^(27 15 01 19)

27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable ^(27 15 01 19-0001)

27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(27 15 01 19-0002)

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,959.28	833.11
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,387.91	863.23
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,233.79	946.99
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,915.49	980.78
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,563.22	1,060.13
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,533.04	1,098.32
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,267.02	1,212.20
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,772.01	1,255.43

27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed ^(27 15 01 19-0002)

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,347.79	1,666.47
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,826.64	1,726.48
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,812.11	1,894.22
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,550.13	1,961.57
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,330.10	2,120.74
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,363.59	2,196.66
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,287.36	2,424.41
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,864.60	2,511.34

27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(27 15 01 19-0001)

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,260.44	681.78
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,359.50	706.02

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0024 MLF 2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,533.81	833.11
27 15 01 19-0025 MLF 3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,631.33	848.17
27 15 01 19-0026 MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,691.08	863.23
27 15 01 19-0027 MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,881.96	893.36
27 15 01 19-0028 MLF 8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,154.36	923.48
27 15 01 19-0029 MLF 2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,786.63	946.99
27 15 01 19-0030 MLF 4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,999.76	980.78
27 15 01 19-0031 MLF 2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,065.44	1,060.13
27 15 01 19-0032 MLF 4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,396.70	1,098.32
27 15 01 19-0033 MLF 2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,511.46	1,212.20
27 15 01 19-0034 MLF 4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,043.62	1,255.43
27 15 01 19-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small>		
27 15 01 19-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0035)</small>		
27 15 01 19-0037 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,250.67	681.78
27 15 01 19-0038 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,527.47	833.11
27 15 01 19-0039 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,692.68	848.17
27 15 01 19-0040 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,708.06	863.23
27 15 01 19-0041 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,970.62	893.36
27 15 01 19-0042 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,777.04	946.99
27 15 01 19-0043 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,021.28	980.78
27 15 01 19-0044 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,022.27	1,060.13
27 15 01 19-0045 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,568.28	1,098.32
27 15 01 19-0046 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,497.35	1,212.20
27 15 01 19-0047 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,304.10	1,255.43
27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0035)</small>		
27 15 01 19-0049 MLF 2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,386.96	1,364.04
27 15 01 19-0050 MLF 2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,915.98	1,666.47
27 15 01 19-0051 MLF 3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,105.69	1,695.86
27 15 01 19-0052 MLF 4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,146.79	1,726.48
27 15 01 19-0053 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,459.54	1,786.47
27 15 01 19-0054 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,355.36	1,894.22
27 15 01 19-0055 MLF 4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,655.92	1,961.57
27 15 01 19-0056 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,789.15	2,120.74
27 15 01 19-0057 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,398.83	2,196.66
27 15 01 19-0058 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,517.69	2,424.41
27 15 01 19-0059 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,396.69	2,511.34
27 15 01 19-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small>		



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01	19-0061	Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(27 15 01 19-0060)		
27 15 01	19-0062	MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,290.89	681.78
27 15 01	19-0063	MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,556.19	833.11
27 15 01	19-0064	MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,799.30	848.17
27 15 01	19-0065	MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,737.46	863.23
27 15 01	19-0066	MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,000.68	893.36
27 15 01	19-0067	MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,843.05	946.99
27 15 01	19-0068	MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,051.81	980.78
27 15 01	19-0069	MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,164.64	1,060.13
27 15 01	19-0070	MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,496.89	1,098.32
27 15 01	19-0071	MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,602.71	1,212.20
27 15 01	19-0072	MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,087.35	1,255.43
27 15 01	19-0073	Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed ^(27 15 01 19-0060)		
27 15 01	19-0074	MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,427.18	1,364.04
27 15 01	19-0075	MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,944.70	1,666.47
27 15 01	19-0076	MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,212.31	1,695.86
27 15 01	19-0077	MLF 4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,176.19	1,726.48
27 15 01	19-0078	MLF 6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,489.60	1,786.47
27 15 01	19-0079	MLF 2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,421.37	1,894.22
27 15 01	19-0080	MLF 4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,686.45	1,961.57
27 15 01	19-0081	MLF 2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,931.52	2,120.74
27 15 01	19-0082	MLF 4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,327.44	2,196.66
27 15 01	19-0083	MLF 2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,623.05	2,424.41
27 15 01	19-0084	MLF 4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,179.94	2,511.34
27 15 01	19-0085	Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable ^(27 15 01 19-0001)		
27 15 01	19-0086	Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(27 15 01 19-0085)		
27 15 01	19-0087	MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,263.43	681.78
27 15 01	19-0088	MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,589.60	833.11
27 15 01	19-0089	MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,714.24	848.17
27 15 01	19-0090	MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,819.07	863.23
27 15 01	19-0091	MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,048.57	893.36
27 15 01	19-0092	MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,833.31	946.99
27 15 01	19-0093	MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,146.78	980.78
27 15 01	19-0094	MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,145.27	1,060.13
27 15 01	19-0095	MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,707.86	1,098.32
27 15 01	19-0096	MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,578.01	1,212.20
27 15 01	19-0097	Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed ^(27 15 01 19-0085)		

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0098 MLF 2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,399.72	1,364.04
27 15 01 19-0099 MLF 2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,978.11	1,666.47
27 15 01 19-0100 MLF 3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,127.25	1,695.86
27 15 01 19-0101 MLF 4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,257.80	1,726.48
27 15 01 19-0102 MLF 6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,537.49	1,786.47
27 15 01 19-0103 MLF 2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,411.63	1,894.22
27 15 01 19-0104 MLF 4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,781.42	1,961.57
27 15 01 19-0105 MLF 2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,912.15	2,120.74
27 15 01 19-0106 MLF 4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,538.41	2,196.66
27 15 01 19-0107 MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,598.35	2,424.41

27 15 13 Communications Copper Horizontal Cabling (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

- 27 15 13 00-0001 Copper Telecommunications Cable (27 15 13)
- 27 15 13 00-0002 Indoor Telecommunications Cable (27 15 13 00-0001)
Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.
- 27 15 13 00-0003 Category 3, Indoor Telecommunications Cable (27 15 13 00-0002)
Note: Un-shielded twisted pair cables (UTP).
- 27 15 13 00-0004 Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0003)
- 27 15 13 00-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)
- 27 15 13 00-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0005)

27 15 13 00-0007 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	964.69	514.27
27 15 13 00-0008 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,010.60	514.27
27 15 13 00-0009 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,026.83	514.27
27 15 13 00-0010 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,240.63	587.74
27 15 13 00-0011 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,578.60	587.74
27 15 13 00-0012 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,115.23	587.74
27 15 13 00-0013 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,374.74	734.67
27 15 13 00-0014 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,104.97	1,175.47
27 15 13 00-0015 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,269.28	1,322.40
27 15 13 00-0016 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	10,990.19	1,469.34
27 15 13 00-0017 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,075.66	2,057.07
27 15 13 00-0018 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,072.07	2,541.95
27 15 13 00-0019 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,396.45	3,526.41
27 15 13 00-0020 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	54,229.79	7,052.82
27 15 13 00-0021 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	73,717.05	10,579.23

27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0005)

27 15 13 00-0023 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,821.81	1,028.54
For Work In Restricted Working Space, Add	514.27	
27 15 13 00-0024 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,867.72	1,028.54
For Work In Restricted Working Space, Add	514.27	
27 15 13 00-0025 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,883.95	1,028.54
For Work In Restricted Working Space, Add	514.27	
27 15 13 00-0026 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,975.30	1,028.54
For Work In Restricted Working Space, Add	514.27	
27 15 13 00-0027 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,313.27	1,028.54
For Work In Restricted Working Space, Add	514.27	
27 15 13 00-0028 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,094.79	1,175.47
For Work In Restricted Working Space, Add	587.74	
27 15 13 00-0029 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,599.19	1,469.34
For Work In Restricted Working Space, Add	734.67	
27 15 13 00-0030 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,084.53	1,763.21
For Work In Restricted Working Space, Add	881.60	
27 15 13 00-0031 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	9,371.29	1,983.61
For Work In Restricted Working Space, Add	991.80	
27 15 13 00-0032 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,214.64	2,204.00
For Work In Restricted Working Space, Add	1,102.01	
27 15 13 00-0033 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	17,789.89	3,085.61
For Work In Restricted Working Space, Add	1,542.80	
27 15 13 00-0034 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	23,202.62	3,820.28
For Work In Restricted Working Space, Add	1,910.14	



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0035 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	36,335.13 2,644.81	5,289.61
27 15 13 00-0036 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	60,107.14 5,289.62	10,579.23
27 15 13 00-0037 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	82,533.09 7,934.43	15,868.85
27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)		
27 15 13 00-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0038)		
27 15 13 00-0040 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,451.85	587.74
27 15 13 00-0041 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,148.90	734.67
27 15 13 00-0042 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,412.17	1,175.47
27 15 13 00-0043 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,750.71	1,469.34
27 15 13 00-0044 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	24,642.41	2,057.07
27 15 13 00-0045 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	32,105.85	2,541.95
27 15 13 00-0046 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	47,615.12	3,526.41
27 15 13 00-0047 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0038)		
27 15 13 00-0048 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,431.41 587.74	1,175.47
27 15 13 00-0049 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,373.35 734.67	1,469.34
27 15 13 00-0050 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,391.73 881.60	1,763.21
27 15 13 00-0051 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	17,975.16 1,102.01	2,204.00
27 15 13 00-0052 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	26,356.64 1,542.80	3,085.61
27 15 13 00-0053 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	34,236.40 1,910.14	3,820.28
27 15 13 00-0054 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	50,553.80 2,644.81	5,289.61
27 15 13 00-0055 Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0003)		
27 15 13 00-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0055)		
27 15 13 00-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0056)		
27 15 13 00-0058 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,001.82	514.27
27 15 13 00-0059 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,047.55	514.27
27 15 13 00-0060 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,081.74	514.27
27 15 13 00-0061 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,302.30	587.74
27 15 13 00-0062 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,670.70	587.74
27 15 13 00-0063 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,669.34	587.74
27 15 13 00-0064 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,502.86	734.67
27 15 13 00-0065 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,468.67	1,175.47
27 15 13 00-0066 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	14,694.25	1,469.34
27 15 13 00-0067 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,028.62	2,057.07
27 15 13 00-0068 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0056)		
27 15 13 00-0069 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,858.94 514.27	1,028.54
27 15 13 00-0070 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,904.67 514.27	1,028.54
27 15 13 00-0071 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,938.86 514.27	1,028.54
27 15 13 00-0072 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,036.97 514.27	1,028.54
27 15 13 00-0073 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,405.37 514.27	1,028.54
27 15 13 00-0074 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,648.90 587.74	1,175.47
27 15 13 00-0075 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,727.31 734.67	1,469.34
27 15 13 00-0076 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,448.23 881.60	1,763.21
27 15 13 00-0077 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,918.70 1,102.01	2,204.00
27 15 13 00-0078 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	23,742.85 1,542.80	3,085.61
27 15 13 00-0079 Category 5E, Indoor Telecommunications Cable (27 15 13 00-0002)		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0080	Category 5E, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0079)</small>	
27 15 13 00-0081	Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0080)</small>	
27 15 13 00-0082	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	987.82 514.27
27 15 13 00-0083	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,018.44 514.27
27 15 13 00-0084	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,141.47 587.74
27 15 13 00-0085	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,172.08 587.74
27 15 13 00-0086	Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0080)</small>	
27 15 13 00-0087	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,844.94 514.27
27 15 13 00-0088	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,875.56 514.27
27 15 13 00-0089	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,121.03 587.74
27 15 13 00-0090	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,151.64 587.74
27 15 13 00-0091	Category 5E, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0079)</small>	
27 15 13 00-0092	Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0091)</small>	
27 15 13 00-0093	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,100.41 514.27
27 15 13 00-0094	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,462.09 587.74
27 15 13 00-0095	Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0091)</small>	
27 15 13 00-0096	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,957.53 514.27
27 15 13 00-0097	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,441.65 587.74
27 15 13 00-0098	Category 6, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>	
27 15 13 00-0099	Category 6, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0098)</small>	
27 15 13 00-0100	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0099)</small>	
27 15 13 00-0101	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,211.73 514.27
27 15 13 00-0102	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,251.39 514.27
27 15 13 00-0103	Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0099)</small>	
27 15 13 00-0104	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,068.85 514.27
27 15 13 00-0105	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,108.51 514.27
27 15 13 00-0106	Category 6, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0098)</small>	
27 15 13 00-0107	Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0106)</small>	
27 15 13 00-0108	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,450.50 514.27
27 15 13 00-0109	Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0106)</small>	
27 15 13 00-0110	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,307.62 514.27
27 15 13 00-0111	Category 6A, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>	
27 15 13 00-0112	Category 6a, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0111)</small>	
27 15 13 00-0113	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0112)</small>	
27 15 13 00-0114	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,275.09 514.27
27 15 13 00-0115	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0112)</small>	
27 15 13 00-0116	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,132.21 514.27
27 15 13 00-0117	Category 6A, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0111)</small>	



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0118 Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0117)</small>		
27 15 13 00-0119 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,604.72	514.27
27 15 13 00-0120 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0117)</small>		
27 15 13 00-0121 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,461.84 514.27	1,028.54
27 15 13 00-0122 Category 7, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0123 Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0122)</small>		
27 15 13 00-0124 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,590.90	587.74
27 15 13 00-0125 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,214.55	587.74
27 15 13 00-0126 Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 13 00-0122)</small>		
27 15 13 00-0127 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,570.46 587.74	1,175.47
27 15 13 00-0128 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,194.11 587.74	1,175.47
27 15 13 00-0129 Outdoor Telecommunications Cable <small>(27 15 13 00-0001)</small>		
Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130 PE-89 Outdoor Telecommunications Cable <small>(27 15 13 00-0129)</small>		
Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131 24 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 15 13 00-0130)</small>		
27 15 13 00-0132 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0131)</small>		
27 15 13 00-0133 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,848.54	587.74
27 15 13 00-0134 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,216.09	1,028.54
27 15 13 00-0135 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,130.32	661.20
27 15 13 00-0136 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,761.15	734.67
27 15 13 00-0137 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,750.17	1,028.54
27 15 13 00-0138 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,497.80	1,175.47
27 15 13 00-0139 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	14,611.57	1,322.40
27 15 13 00-0140 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	21,480.52	1,910.14
27 15 13 00-0141 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	28,463.68	2,497.88
27 15 13 00-0142 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	38,656.86	3,379.47
27 15 13 00-0143 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	61,007.27	6,758.95
27 15 13 00-0144 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	83,364.13	9,991.49
27 15 13 00-0145 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0131)</small>		
27 15 13 00-0146 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,664.87	
27 15 13 00-0147 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,032.42	
27 15 13 00-0148 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,885.42	
27 15 13 00-0149 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,516.26	
27 15 13 00-0150 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,382.83	
27 15 13 00-0151 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,885.57	
27 15 13 00-0152 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,366.69	
27 15 13 00-0153 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	20,745.85	
27 15 13 00-0154 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	26,933.12	
27 15 13 00-0155 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	35,963.08	
27 15 13 00-0156 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	53,660.58	
27 15 13 00-0157 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	72,588.98	
27 15 13 00-0158 22 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 15 13 00-0130)</small>		
27 15 13 00-0159 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0158)</small>		
27 15 13 00-0160 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,082.21	587.74
27 15 13 00-0161 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,652.65	587.74
27 15 13 00-0162 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,023.92	661.20
27 15 13 00-0163 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,351.65	734.67
27 15 13 00-0164 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	9,235.68	1,028.54
27 15 13 00-0165 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	11,876.79	1,175.47
27 15 13 00-0166 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	21,130.11	1,322.40
27 15 13 00-0167 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	30,777.27	1,910.14
27 15 13 00-0168 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	40,996.50	2,497.88
27 15 13 00-0169 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	60,543.11	3,379.47
27 15 13 00-0170 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	88,647.80	6,758.95
27 15 13 00-0171 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	124,716.90	9,991.49

27 Communications
27 10 Structured Cabling
 27 15 Communications Horizontal Cabling



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0172	22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0158)		
27 15 13 00-0173	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,898.54	
27 15 13 00-0174	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,468.98	
27 15 13 00-0175	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,779.02	
27 15 13 00-0176	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,106.76	
27 15 13 00-0177	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,868.34	
27 15 13 00-0178	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,509.45	
27 15 13 00-0179	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,885.23	
27 15 13 00-0180	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,042.60	
27 15 13 00-0181	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	39,465.94	
27 15 13 00-0182	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	57,849.33	
27 15 13 00-0183	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	81,301.11	
27 15 13 00-0184	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	113,941.75	
27 15 13 00-0185	19 AWG, PE-89 Outdoor Telecommunications Cable ^(27 15 13 00-0130)		
27 15 13 00-0186	19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0185)		
27 15 13 00-0187	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,778.69	661.20
27 15 13 00-0188	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	11,736.34	734.67
27 15 13 00-0189	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	18,814.06	1,028.54
27 15 13 00-0190	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	22,542.31	1,175.47
27 15 13 00-0191	19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0185)		
27 15 13 00-0192	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,533.79	
27 15 13 00-0193	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,491.45	
27 15 13 00-0194	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	18,446.72	
27 15 13 00-0195	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,174.97	
27 15 13 00-0196	PE-39 Outdoor Telecommunications Cable ^(27 15 13 00-0129)		
Note: Includes solid polyolefin insulated conductors.			
27 15 13 00-0197	24 AWG, PE-39 Outdoor Telecommunications Cable ^(27 15 13 00-0196)		
27 15 13 00-0198	24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0197)		
27 15 13 00-0199	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,616.07	1,028.54
27 15 13 00-0200	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,065.73	1,028.54
27 15 13 00-0201	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,972.91	1,028.54
27 15 13 00-0202	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,606.55	1,028.54
27 15 13 00-0203	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,919.83	1,028.54
27 15 13 00-0204	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,136.80	1,322.40
27 15 13 00-0205	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	23,561.00	1,910.14
27 15 13 00-0206	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	30,998.72	2,497.88
27 15 13 00-0207	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	42,358.21	3,379.47
27 15 13 00-0208	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	65,794.04	6,758.95
27 15 13 00-0209	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	95,779.08	9,991.49
27 15 13 00-0210	24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0197)		
27 15 13 00-0211	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,248.73	
27 15 13 00-0212	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,698.39	
27 15 13 00-0213	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,605.57	
27 15 13 00-0214	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,239.21	
27 15 13 00-0215	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,552.49	
27 15 13 00-0216	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	15,891.92	
27 15 13 00-0217	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	22,826.33	
27 15 13 00-0218	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	29,468.16	
27 15 13 00-0219	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,664.43	
27 15 13 00-0220	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	58,447.35	
27 15 13 00-0221	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	85,003.93	
27 15 13 00-0222	22 AWG, PE-39 Outdoor Telecommunications Cable ^(27 15 13 00-0196)		
27 15 13 00-0223	22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0222)		
27 15 13 00-0224	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,876.03	1,028.54
27 15 13 00-0225	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,536.79	1,028.54
27 15 13 00-0226	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,942.92	1,028.54
27 15 13 00-0227	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	7,529.70	1,028.54
27 15 13 00-0228	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,927.97	1,028.54
27 15 13 00-0229	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	23,850.39	1,322.40
27 15 13 00-0230	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	34,947.21	1,910.14
27 15 13 00-0231	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	44,770.12	2,497.88
27 15 13 00-0232	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	62,536.48	3,379.47
27 15 13 00-0233	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	98,467.34	6,758.95



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0234	22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0222)		
27 15 13 00-0235	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,508.69	
27 15 13 00-0236	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,169.45	
27 15 13 00-0237	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,575.58	
27 15 13 00-0238	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,162.36	
27 15 13 00-0239	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	12,560.63	
27 15 13 00-0240	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,605.51	
27 15 13 00-0241	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,212.54	
27 15 13 00-0242	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	43,239.56	
27 15 13 00-0243	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	59,842.70	
27 15 13 00-0244	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	91,120.65	
27 15 13 00-0245	19 AWG, PE-39 Outdoor Telecommunications Cable ^(27 15 13 00-0196)		
27 15 13 00-0246	19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 15 13 00-0245)		
27 15 13 00-0247	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,057.83	1,028.54
27 15 13 00-0248	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,304.16	1,028.54
27 15 13 00-0249	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,183.20	1,028.54
27 15 13 00-0250	19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 15 13 00-0245)		
27 15 13 00-0251	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,690.49	
27 15 13 00-0252	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	12,936.82	
27 15 13 00-0253	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	23,815.86	
27 15 13 00-0254	(Aerial) Outdoor Telecommunications Cable ^(27 15 13 00-0129)		
	Note: Includes support wire.		
27 15 13 00-0255	24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0254)		
27 15 13 00-0256	MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,659.32	2,075.83
27 15 13 00-0257	MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,033.46	2,075.83
27 15 13 00-0258	MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,962.38	2,075.83
27 15 13 00-0259	MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,682.25	2,075.83
27 15 13 00-0260	MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,004.17	2,075.83
27 15 13 00-0261	MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	21,091.48	2,283.41
27 15 13 00-0262	MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	28,219.89	2,491.00
27 15 13 00-0263	22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0254)		
27 15 13 00-0264	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,106.94	2,075.83
27 15 13 00-0265	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,659.71	2,075.83
27 15 13 00-0266	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,991.12	2,075.83
27 15 13 00-0267	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,621.43	2,075.83
27 15 13 00-0268	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	18,505.53	2,075.83
27 15 13 00-0269	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	29,108.18	2,283.41
27 15 13 00-0270	19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0254)		
27 15 13 00-0271	MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,698.73	2,075.83
27 15 13 00-0272	MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,948.80	2,075.83
27 15 13 00-0273	MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,406.64	2,075.83
27 15 13 00-0274	MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	17,322.36	2,075.83
27 15 13 00-0275	MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	27,295.07	2,075.83
27 15 13 00-0276	Solid Conductor Low Voltage Cable ^(27 15 13)		
27 15 13 00-0277	Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0276)		
27 15 13 00-0278	#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)		
27 15 13 00-0279	MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,111.35	1,107.67
	For #10 AWG, Add	456.73	
	For Work In Restricted Working Space, Add	553.88	
27 15 13 00-0280	MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,401.09	1,146.83
	For #10 AWG, Add	543.81	
	For Work In Restricted Working Space, Add	573.59	
27 15 13 00-0281	MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,659.44	1,187.11
	For #10 AWG, Add	620.48	
	For Work In Restricted Working Space, Add	593.39	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0282	MLF		4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,932.18	1,227.39
			<i>For #10 AWG, Add</i>	701.60	
			<i>For Work In Restricted Working Space, Add</i>	613.88	
27 15 13 00-0283	MLF		5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,262.53	1,310.18
			<i>For #10 AWG, Add</i>	792.68	
			<i>For Work In Restricted Working Space, Add</i>	655.29	
27 15 13 00-0284	MLF		6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,569.17	1,391.86
			<i>For #10 AWG, Add</i>	876.18	
			<i>For Work In Restricted Working Space, Add</i>	696.11	
27 15 13 00-0285	MLF		8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,910.31	1,557.45
			<i>For #10 AWG, Add</i>	953.02	
			<i>For Work In Restricted Working Space, Add</i>	778.58	
27 15 13 00-0286	MLF		12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,174.59	2,053.11
			<i>For #10 AWG, Add</i>	1,262.86	
			<i>For Work In Restricted Working Space, Add</i>	1,026.36	
27 15 13 00-0287	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,682.31	3,032.11
			<i>For #10 AWG, Add</i>	1,878.37	
			<i>For Work In Restricted Working Space, Add</i>	1,515.67	
27 15 13 00-0288			#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>		
27 15 13 00-0289	MLF		1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,867.79	968.93
			<i>For Work In Restricted Working Space, Add</i>	484.36	
27 15 13 00-0290	MLF		2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,140.06	1,003.61
			<i>For Work In Restricted Working Space, Add</i>	501.81	
27 15 13 00-0291	MLF		3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,382.01	1,038.30
			<i>For Work In Restricted Working Space, Add</i>	519.26	
27 15 13 00-0292	MLF		4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,636.64	1,074.11
			<i>For Work In Restricted Working Space, Add</i>	537.05	
27 15 13 00-0293	MLF		5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,941.23	1,146.83
			<i>For Work In Restricted Working Space, Add</i>	573.30	
27 15 13 00-0294	MLF		6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,222.79	1,218.43
			<i>For Work In Restricted Working Space, Add</i>	608.88	
27 15 13 00-0295	MLF		8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,527.76	1,362.77
			<i>For Work In Restricted Working Space, Add</i>	681.38	
27 15 13 00-0296	MLF		12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,668.25	1,795.77
			<i>For Work In Restricted Working Space, Add</i>	897.88	
27 15 13 00-0297	MLF		24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,934.70	2,652.81
			<i>For Work In Restricted Working Space, Add</i>	1,326.52	
27 15 13 00-0298			#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>		
27 15 13 00-0299	MLF		1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,665.23	864.88
			<i>For Work In Restricted Working Space, Add</i>	432.66	
27 15 13 00-0300	MLF		2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,851.55	896.21
			<i>For Work In Restricted Working Space, Add</i>	448.10	
27 15 13 00-0301	MLF		3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,118.54	927.54
			<i>For Work In Restricted Working Space, Add</i>	463.55	
27 15 13 00-0302	MLF		4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,344.24	958.87
			<i>For Work In Restricted Working Space, Add</i>	479.66	
27 15 13 00-0303	MLF		5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,613.47	1,023.76
			<i>For Work In Restricted Working Space, Add</i>	511.88	
27 15 13 00-0304	MLF		6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,863.26	1,087.53
			<i>For Work In Restricted Working Space, Add</i>	543.77	
27 15 13 00-0305	MLF		7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,998.55	1,152.42
			<i>For Work In Restricted Working Space, Add</i>	575.99	
27 15 13 00-0306	MLF		8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,134.95	1,217.32
			<i>For Work In Restricted Working Space, Add</i>	608.55	



Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,448.03	1,294.52
		<i>For Work In Restricted Working Space, Add</i>	.....	647.15	
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	4,147.67	1,603.32
		<i>For Work In Restricted Working Space, Add</i>	.....	801.72	
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	6,160.81	2,368.62
		<i>For Work In Restricted Working Space, Add</i>	.....	1,184.37	
27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>					
27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,426.26	761.94
		<i>For Work In Restricted Working Space, Add</i>	.....	380.63	
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,605.26	788.79
		<i>For Work In Restricted Working Space, Add</i>	.....	394.40	
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,765.39	815.65
		<i>For Work In Restricted Working Space, Add</i>	.....	408.16	
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,932.72	843.62
		<i>For Work In Restricted Working Space, Add</i>	.....	421.92	
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,142.09	900.69
		<i>For Work In Restricted Working Space, Add</i>	.....	450.45	
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,337.40	956.63
		<i>For Work In Restricted Working Space, Add</i>	.....	478.65	
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,565.84	1,070.75
		<i>For Work In Restricted Working Space, Add</i>	.....	535.37	
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,393.52	1,410.88
		<i>For Work In Restricted Working Space, Add</i>	.....	705.55	
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	5,036.58	2,084.44
		<i>For Work In Restricted Working Space, Add</i>	.....	1,042.22	
27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>					
27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,274.57	692.57
		<i>For Work In Restricted Working Space, Add</i>	.....	346.07	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,418.93	717.18
		<i>For Work In Restricted Working Space, Add</i>	.....	358.49	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,547.47	742.36
		<i>For Work In Restricted Working Space, Add</i>	.....	370.90	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,682.20	767.53
		<i>For Work In Restricted Working Space, Add</i>	.....	383.66	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,856.71	819.01
		<i>For Work In Restricted Working Space, Add</i>	.....	409.33	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,020.18	870.47
		<i>For Work In Restricted Working Space, Add</i>	.....	435.01	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,231.47	973.41
		<i>For Work In Restricted Working Space, Add</i>	.....	486.71	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,938.65	1,283.33
		<i>For Work In Restricted Working Space, Add</i>	.....	641.44	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	4,359.30	1,895.35
		<i>For Work In Restricted Working Space, Add</i>	.....	947.56	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	4,569.78	1,940.10
		<i>For Work In Restricted Working Space, Add</i>	.....	970.05	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	5,402.40	2,258.98
		<i>For Work In Restricted Working Space, Add</i>	.....	1,129.49	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	5,791.74	2,417.86
		<i>For Work In Restricted Working Space, Add</i>	.....	1,209.03	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	7,030.98	3,022.04
		<i>For Work In Restricted Working Space, Add</i>	.....	1,510.79	

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0334	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	9,453.45 1,989.10	3,978.66
27 15 13 00-0335			#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)		
27 15 13 00-0336	MLF		1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,101.61 311.49	623.21
27 15 13 00-0337	MLF		2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,161.85 322.57	645.58
27 15 13 00-0338	MLF		3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,232.11 333.98	667.96
27 15 13 00-0339	MLF		4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,306.80 345.39	690.33
27 15 13 00-0340	MLF		5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,427.98 368.55	737.33
27 15 13 00-0341	MLF		6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,548.42 390.71	780.96
27 15 13 00-0342			Triad (27 15 13 00-0277)		
27 15 13 00-0343	MLF		1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,086.75	927.54
27 15 13 00-0344	MLF		4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,991.96	1,283.33
27 15 13 00-0345	MLF		8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	6,280.76	1,895.35
27 15 13 00-0346	MLF		12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	7,862.91	2,258.98
27 15 13 00-0347	MLF		24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	12,955.19	3,499.80
27 15 13 00-0348	MLF		36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	14,923.74	3,978.66
27 15 13 00-0349			Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0276)		
27 15 13 00-0350			#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0351	MLF		1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,957.62 825.98 1,107.77	2,215.34
27 15 13 00-0352	MLF		2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,313.05 926.20 1,147.17	2,293.66
27 15 13 00-0353	MLF		3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,637.39 1,016.07 1,186.77	2,374.22
27 15 13 00-0354	MLF		4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,978.45 1,110.86 1,227.76	2,454.78
27 15 13 00-0355	MLF		5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,446.80 1,229.53 1,310.57	2,620.37
27 15 13 00-0356	MLF		6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,889.55 1,340.25 1,392.23	2,783.73
27 15 13 00-0357	MLF		8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,505.57 1,472.07 1,557.16	3,114.90
27 15 13 00-0358	MLF		12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,595.76 1,947.09 2,052.71	4,106.21
27 15 13 00-0359	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed..... <i>For #10 AWG, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,734.51 2,888.81 3,031.33	6,064.21
27 15 13 00-0360			#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0361 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,482.29	3,482.29	1,937.87
For Work In Restricted Working Space, Add 968.71	968.71	
27 15 13 00-0362 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,812.75	3,812.75	2,007.24
For Work In Restricted Working Space, Add 1,003.62	1,003.62	
27 15 13 00-0363 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 4,112.88	4,112.88	2,076.60
For Work In Restricted Working Space, Add 1,038.53	1,038.53	
27 15 13 00-0364 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 4,426.81	4,426.81	2,148.21
For Work In Restricted Working Space, Add 1,074.11	1,074.11	
27 15 13 00-0365 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 4,852.24	4,852.24	2,293.66
For Work In Restricted Working Space, Add 1,146.61	1,146.61	
27 15 13 00-0366 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 5,252.40	5,252.40	2,436.88
For Work In Restricted Working Space, Add 1,217.77	1,217.77	
27 15 13 00-0367 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 5,799.05	5,799.05	2,725.55
For Work In Restricted Working Space, Add 1,362.77	1,362.77	
27 15 13 00-0368 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 7,661.19	7,661.19	3,591.54
For Work In Restricted Working Space, Add 1,795.76	1,795.76	
27 15 13 00-0369 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 11,356.43	11,356.43	5,305.63
For Work In Restricted Working Space, Add 2,653.04	2,653.04	
27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0371 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,107.44	3,107.44	1,729.75
For Work In Restricted Working Space, Add 865.33	865.33	
27 15 13 00-0372 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,345.23	3,345.23	1,792.41
For Work In Restricted Working Space, Add 896.21	896.21	
27 15 13 00-0373 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,663.68	3,663.68	1,855.06
For Work In Restricted Working Space, Add 927.09	927.09	
27 15 13 00-0374 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,943.09	3,943.09	1,917.72
For Work In Restricted Working Space, Add 959.31	959.31	
27 15 13 00-0375 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 4,319.73	4,319.73	2,047.51
For Work In Restricted Working Space, Add 1,023.76	1,023.76	
27 15 13 00-0376 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 4,675.82	4,675.82	2,175.06
For Work In Restricted Working Space, Add 1,087.53	1,087.53	
27 15 13 00-0377 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 4,918.52	4,918.52	2,304.85
For Work In Restricted Working Space, Add 1,151.98	1,151.98	
27 15 13 00-0378 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 5,163.45	5,163.45	2,434.64
For Work In Restricted Working Space, Add 1,217.10	1,217.10	
27 15 13 00-0379 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 5,605.20	5,605.20	2,589.04
For Work In Restricted Working Space, Add 1,294.30	1,294.30	
27 15 13 00-0380 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 6,820.07	6,820.07	3,206.65
For Work In Restricted Working Space, Add 1,603.44	1,603.44	
27 15 13 00-0381 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 10,108.71	10,108.71	4,737.25
For Work In Restricted Working Space, Add 2,368.74	2,368.74	
27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0383 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 2,695.06	2,695.06	1,523.89
For Work In Restricted Working Space, Add 761.27	761.27	
27 15 13 00-0384 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 2,919.92	2,919.92	1,577.59
For Work In Restricted Working Space, Add 788.80	788.80	
27 15 13 00-0385 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,125.93	3,125.93	1,631.30
For Work In Restricted Working Space, Add 816.32	816.32	
27 15 13 00-0386 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,339.14	3,339.14	1,687.24
For Work In Restricted Working Space, Add 843.85	843.85	
27 15 13 00-0387 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed 3,643.60	3,643.60	1,801.36
For Work In Restricted Working Space, Add 900.91	900.91	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0388 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,932.89 957.30	1,913.25
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0389 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,350.42 1,070.75	2,141.49
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0390 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,745.36 1,411.10	2,821.76
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0391 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,510.63 2,084.43	4,168.87
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0393 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,428.11 692.13	1,385.15
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0394 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,613.86 716.96	1,434.38
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0395 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,783.81 741.80	1,484.73
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0396 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,961.06 767.31	1,535.08
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0397 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,221.17 818.67	1,638.01
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0398 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,470.22 870.02	1,740.94
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0399 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,853.81 973.41	1,946.82
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0400 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,076.79 1,282.88	2,566.67
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0401 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,517.83 1,895.12	3,790.69
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0402 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,803.26 1,940.09	3,880.20
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0403 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,167.37 2,258.99	4,517.95
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0404 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,821.87 2,418.07	4,835.71
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0405 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,066.93 3,021.58	6,044.08
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0406 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	16,083.77 3,978.19	7,957.33
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0407 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0408 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,139.91 622.98	1,246.41
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0409 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,237.08 645.14	1,291.17
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0410 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,345.37 667.96	1,335.92
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0411 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,458.10 690.78	1,380.68
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0412 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,656.48 737.10	1,474.66
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0413 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,850.77 781.41	1,561.93
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0414 Triad, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0415 MLF 1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	3,086.75	927.54
27 15 13 00-0416 MLF 4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	3,991.96	1,283.33



Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0417 MLF 8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	6,280.76	1,895.35
27 15 13 00-0418 MLF 12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	7,862.91	2,258.98
27 15 13 00-0419 MLF 24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	12,955.19	3,499.80
27 15 13 00-0420 MLF 36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	14,923.74	3,978.66
27 15 13 00-0421 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0276)		
27 15 13 00-0422 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)		
27 15 13 00-0423 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,828.65	968.93
<i>For Work In Restricted Working Space, Add</i>	484.36	
27 15 13 00-0424 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,067.84	1,003.61
<i>For Work In Restricted Working Space, Add</i>	501.81	
27 15 13 00-0425 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,281.40	1,038.30
<i>For Work In Restricted Working Space, Add</i>	519.26	
27 15 13 00-0426 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,505.84	1,074.11
<i>For Work In Restricted Working Space, Add</i>	537.05	
27 15 13 00-0427 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,779.81	1,145.71
<i>For Work In Restricted Working Space, Add</i>	572.63	
27 15 13 00-0428 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,037.29	1,217.32
<i>For Work In Restricted Working Space, Add</i>	608.55	
27 15 13 00-0429 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,333.60	1,362.77
<i>For Work In Restricted Working Space, Add</i>	681.38	
27 15 13 00-0430 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,409.37	1,795.77
<i>For Work In Restricted Working Space, Add</i>	897.88	
27 15 13 00-0431 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,546.38	2,652.81
<i>For Work In Restricted Working Space, Add</i>	1,326.52	
27 15 13 00-0432 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)		
27 15 13 00-0433 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,630.77	864.88
<i>For Work In Restricted Working Space, Add</i>	432.66	
27 15 13 00-0434 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,841.63	896.21
<i>For Work In Restricted Working Space, Add</i>	448.10	
27 15 13 00-0435 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,029.93	927.54
<i>For Work In Restricted Working Space, Add</i>	463.55	
27 15 13 00-0436 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,229.06	958.87
<i>For Work In Restricted Working Space, Add</i>	479.66	
27 15 13 00-0437 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,472.17	1,022.64
<i>For Work In Restricted Working Space, Add</i>	511.54	
27 15 13 00-0438 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,700.90	1,087.53
<i>For Work In Restricted Working Space, Add</i>	543.77	
27 15 13 00-0439 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,831.88	1,152.42
<i>For Work In Restricted Working Space, Add</i>	575.99	
27 15 13 00-0440 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,024.44	1,217.32
<i>For Work In Restricted Working Space, Add</i>	608.55	
27 15 13 00-0441 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,318.98	1,294.52
<i>For Work In Restricted Working Space, Add</i>	647.11	
27 15 13 00-0442 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,919.71	1,603.32
<i>For Work In Restricted Working Space, Add</i>	801.72	
27 15 13 00-0443 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,819.41	2,368.63
<i>For Work In Restricted Working Space, Add</i>	1,184.54	
27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)		
27 15 13 00-0445 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,426.15	760.83
<i>For Work In Restricted Working Space, Add</i>	380.63	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0446	MLF		2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,596.85 394.40	788.79
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0447	MLF		3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,707.83 408.16	816.77
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0448	MLF		4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,851.39 421.92	843.62
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0449	MLF		5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,033.32 450.45	900.69
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0450	MLF		6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,214.14 478.65	957.74
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0451	MLF		8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,631.14 535.37	1,070.75
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0452	MLF		12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,425.68 705.55	1,410.88
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0453	MLF		24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,646.91 1,042.22	2,084.44
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0454			#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0455	MLF		1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,264.64 346.07	692.57
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0456	MLF		2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,384.32 358.49	717.18
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0457	MLF		3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,623.58 408.16	816.77
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0458	MLF		4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,772.05 429.31	858.62
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0459	MLF		5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,917.71 450.45	900.69
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0460	MLF		6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,077.53 478.65	957.74
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0461	MLF		8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,291.74 533.03	1,065.83
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0462	MLF		12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,814.95 641.44	1,283.33
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0463	MLF		24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,173.75 947.56	1,895.35
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0464	MLF		25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,363.29 970.05	1,940.10
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0465	MLF		36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,149.37 1,129.49	2,258.98
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0466	MLF		40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,519.52 1,209.03	2,417.86
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0467	MLF		50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,722.70 1,510.79	3,022.04
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0468	MLF		100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,017.20 1,989.10	3,978.66
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0469			#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0470	MLF		1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,111.95 311.49	623.21
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0471	MLF		2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,176.00 322.57	645.58
			<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0472	MLF		3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,256.57 333.98	667.96
			<i>For Work In Restricted Working Space, Add</i>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0473	MLF		4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,343.42	690.33
			<i>For Work In Restricted Working Space, Add</i>	345.39	
27 15 13 00-0474	MLF		5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,466.29	737.33
			<i>For Work In Restricted Working Space, Add</i>	368.55	
27 15 13 00-0475	MLF		6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,595.67	780.96
			<i>For Work In Restricted Working Space, Add</i>	390.71	
27 15 13 00-0476			Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0276)</small>		
27 15 13 00-0477			#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0478	MLF		1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,443.15	1,937.87
			<i>For Work In Restricted Working Space, Add</i>	968.71	
27 15 13 00-0479	MLF		2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,740.53	2,007.24
			<i>For Work In Restricted Working Space, Add</i>	1,003.62	
27 15 13 00-0480	MLF		3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,012.27	2,076.60
			<i>For Work In Restricted Working Space, Add</i>	1,038.53	
27 15 13 00-0481	MLF		4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,296.01	2,148.21
			<i>For Work In Restricted Working Space, Add</i>	1,074.11	
27 15 13 00-0482	MLF		5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,688.58	2,291.42
			<i>For Work In Restricted Working Space, Add</i>	1,145.27	
27 15 13 00-0483	MLF		6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,065.79	2,434.64
			<i>For Work In Restricted Working Space, Add</i>	1,217.10	
27 15 13 00-0484	MLF		8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,604.89	2,725.55
			<i>For Work In Restricted Working Space, Add</i>	1,362.77	
27 15 13 00-0485	MLF		12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,402.31	3,591.54
			<i>For Work In Restricted Working Space, Add</i>	1,795.76	
27 15 13 00-0486	MLF		24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,968.11	5,305.63
			<i>For Work In Restricted Working Space, Add</i>	2,653.04	
27 15 13 00-0487			#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0488	MLF		1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,072.98	1,729.75
			<i>For Work In Restricted Working Space, Add</i>	865.33	
27 15 13 00-0489	MLF		2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,335.31	1,792.41
			<i>For Work In Restricted Working Space, Add</i>	896.21	
27 15 13 00-0490	MLF		3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,575.07	1,855.06
			<i>For Work In Restricted Working Space, Add</i>	927.09	
27 15 13 00-0491	MLF		4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,827.91	1,917.72
			<i>For Work In Restricted Working Space, Add</i>	959.31	
27 15 13 00-0492	MLF		5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,177.32	2,045.27
			<i>For Work In Restricted Working Space, Add</i>	1,023.09	
27 15 13 00-0493	MLF		6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,513.46	2,175.06
			<i>For Work In Restricted Working Space, Add</i>	1,087.53	
27 15 13 00-0494	MLF		7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,751.85	2,304.85
			<i>For Work In Restricted Working Space, Add</i>	1,151.98	
27 15 13 00-0495	MLF		8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,052.94	2,434.64
			<i>For Work In Restricted Working Space, Add</i>	1,217.10	
27 15 13 00-0496	MLF		9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,476.04	2,589.04
			<i>For Work In Restricted Working Space, Add</i>	1,294.23	
27 15 13 00-0497	MLF		12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,592.10	3,206.65
			<i>For Work In Restricted Working Space, Add</i>	1,603.44	
27 15 13 00-0498	MLF		24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,767.84	4,737.25
			<i>For Work In Restricted Working Space, Add</i>	2,369.06	

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0499	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0500	MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,694.95	1,521.65
	<i>For Work In Restricted Working Space, Add</i>	761.27	
27 15 13 00-0501	MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,911.51	1,577.59
	<i>For Work In Restricted Working Space, Add</i>	788.80	
27 15 13 00-0502	MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,068.37	1,633.54
	<i>For Work In Restricted Working Space, Add</i>	816.32	
27 15 13 00-0503	MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,257.81	1,687.24
	<i>For Work In Restricted Working Space, Add</i>	843.85	
27 15 13 00-0504	MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,534.83	1,801.36
	<i>For Work In Restricted Working Space, Add</i>	900.91	
27 15 13 00-0505	MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,809.63	1,915.49
	<i>For Work In Restricted Working Space, Add</i>	957.30	
27 15 13 00-0506	MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,415.72	2,141.49
	<i>For Work In Restricted Working Space, Add</i>	1,070.75	
27 15 13 00-0507	MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,777.52	2,821.76
	<i>For Work In Restricted Working Space, Add</i>	1,411.10	
27 15 13 00-0508	MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,120.96	4,168.87
	<i>For Work In Restricted Working Space, Add</i>	2,084.43	
27 15 13 00-0509	#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0510	MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,418.18	1,385.15
	<i>For Work In Restricted Working Space, Add</i>	692.13	
27 15 13 00-0511	MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,579.25	1,434.38
	<i>For Work In Restricted Working Space, Add</i>	716.96	
27 15 13 00-0512	MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,984.12	1,633.54
	<i>For Work In Restricted Working Space, Add</i>	816.32	
27 15 13 00-0513	MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,203.06	1,717.22
	<i>For Work In Restricted Working Space, Add</i>	858.61	
27 15 13 00-0514	MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,419.22	1,801.36
	<i>For Work In Restricted Working Space, Add</i>	900.91	
27 15 13 00-0515	MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,673.02	1,915.49
	<i>For Work In Restricted Working Space, Add</i>	957.30	
27 15 13 00-0516	MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,068.49	2,131.65
	<i>For Work In Restricted Working Space, Add</i>	1,066.05	
27 15 13 00-0517	MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,953.09	2,566.67
	<i>For Work In Restricted Working Space, Add</i>	1,282.88	
27 15 13 00-0518	MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,332.28	3,790.69
	<i>For Work In Restricted Working Space, Add</i>	1,895.12	
27 15 13 00-0519	MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,596.77	3,880.20
	<i>For Work In Restricted Working Space, Add</i>	1,940.09	
27 15 13 00-0520	MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,914.34	4,517.95
	<i>For Work In Restricted Working Space, Add</i>	2,258.99	
27 15 13 00-0521	MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,549.65	4,835.71
	<i>For Work In Restricted Working Space, Add</i>	2,418.07	
27 15 13 00-0522	MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,758.65	6,044.08
	<i>For Work In Restricted Working Space, Add</i>	3,021.58	
27 15 13 00-0523	MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	15,647.52	7,957.33
	<i>For Work In Restricted Working Space, Add</i>	3,978.19	
27 15 13 00-0524	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0525	MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,150.25	1,246.41
	<i>For Work In Restricted Working Space, Add</i>	622.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0526 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,251.23	1,291.17
For Work In Restricted Working Space, Add	645.14	
27 15 13 00-0527 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,369.83	1,335.92
For Work In Restricted Working Space, Add	667.96	
27 15 13 00-0528 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,494.72	1,380.68
For Work In Restricted Working Space, Add	690.78	
27 15 13 00-0529 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,694.79	1,474.66
For Work In Restricted Working Space, Add	737.10	
27 15 13 00-0530 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,898.02	1,561.93
For Work In Restricted Working Space, Add	781.41	
27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench <small>(27 15 13 00-0276)</small>		
Note: Excludes excavation.		
27 15 13 00-0532 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,744.71	
27 15 13 00-0533 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,011.13	
27 15 13 00-0534 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,248.61	
27 15 13 00-0535 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,499.25	
27 15 13 00-0536 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,794.33	
27 15 13 00-0537 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,067.46	
27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) <small>(27 15 13 00-0276)</small>		
27 15 13 00-0539 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,852.29	605.50
27 15 13 00-0540 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,180.60	648.70
27 15 13 00-0541 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,816.85	820.08
27 15 13 00-0542 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,351.46	948.53
27 15 13 00-0543 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,656.67	1,081.12
27 15 13 00-0544 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,683.19	1,381.21
27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>		
27 15 13 00-0546 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,662.52	864.88
27 15 13 00-0547 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,013.45	896.21
27 15 13 00-0548 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,260.37	927.54
27 15 13 00-0549 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,392.04	958.87
27 15 13 00-0550 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,875.77	1,022.64
27 15 13 00-0551 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,112.01	1,087.53
27 15 13 00-0552 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,899.71	1,217.32
27 15 13 00-0553 MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,841.42	1,603.32
27 15 13 00-0554 MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,353.03	2,368.63
27 15 13 00-0555 MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,435.85	760.83
27 15 13 00-0556 MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,723.95	788.79
27 15 13 00-0557 MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,962.14	816.77
27 15 13 00-0558 MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,079.73	843.62
27 15 13 00-0559 MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,492.91	900.69
27 15 13 00-0560 MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,801.31	957.74
27 15 13 00-0561 MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,164.52	1,070.75
27 15 13 00-0562 MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,087.99	1,410.88
27 15 13 00-0563 MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,536.74	2,084.44
27 15 13 00-0564 MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,267.90	692.57
27 15 13 00-0565 MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,450.68	717.18
27 15 13 00-0566 MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,627.79	741.81

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0567	MLF		4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,739.38	767.53
27 15 13 00-0568	MLF		5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,894.62	819.01
27 15 13 00-0569	MLF		6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,069.49	870.47
27 15 13 00-0570	MLF		8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,317.82	973.41
27 15 13 00-0571	MLF		12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,198.50	1,283.33
27 15 13 00-0572	MLF		24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,861.84	1,895.35
27 15 13 00-0573	MLF		25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,128.90	1,940.10
27 15 13 00-0574	MLF		36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,055.23	2,258.98
27 15 13 00-0575	MLF		40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,529.03	2,417.86
27 15 13 00-0576	MLF		50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,865.93	3,022.04
27 15 13 00-0577	MLF		100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,634.98	3,978.66
27 15 13 00-0578	MLF		250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	20,567.31	7,328.53
27 15 13 00-0579	MLF		500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,087.10	9,698.28
27 15 13 00-0580	MLF		750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,644.74	12,221.30
27 15 13 00-0581	MLF		1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	58,659.79	16,763.88
27 15 13 00-0582	MLF		1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,226.70	692.57
27 15 13 00-0583	MLF		2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,358.53	717.18
27 15 13 00-0584	MLF		3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,486.74	741.81
27 15 13 00-0585	MLF		4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,573.44	767.53
27 15 13 00-0586	MLF		5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,703.79	819.01
27 15 13 00-0587	MLF		6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,846.28	870.47
27 15 13 00-0588	MLF		8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,067.22	973.41
27 15 13 00-0589	MLF		12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,816.43	1,283.33
27 15 13 00-0590	MLF		24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,248.10	1,895.35
27 15 13 00-0591	MLF		25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,445.95	1,940.10
27 15 13 00-0592	MLF		36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,250.76	2,258.98
27 15 13 00-0593	MLF		40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,628.61	2,417.86
27 15 13 00-0594	MLF		50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,846.22	3,022.04
27 15 13 00-0595	MLF		100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,192.02	3,978.66
27 15 13 00-0596	MLF		250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	17,513.61	7,328.53
27 15 13 00-0597	MLF		500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,695.74	9,698.28
27 15 13 00-0598	MLF		750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	33,959.95	12,221.30
27 15 13 00-0599	MLF		1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	47,565.38	16,763.88
27 15 13 00-0600			Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0278)</small>		
27 15 13 00-0601	MLF		1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,687.74	864.88
27 15 13 00-0602	MLF		2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,933.93	896.21
27 15 13 00-0603	MLF		3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,087.01	927.54
27 15 13 00-0604	MLF		4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,291.98	958.87
27 15 13 00-0605	MLF		5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,535.99	1,022.64
27 15 13 00-0606	MLF		6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,777.74	1,087.53
27 15 13 00-0607	MLF		8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,349.28	1,217.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0608 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,349.34	1,603.32
27 15 13 00-0609 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,488.43	2,368.63
27 15 13 00-0610 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,477.49	760.83
27 15 13 00-0611 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,688.88	788.79
27 15 13 00-0612 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,821.11	816.77
27 15 13 00-0613 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,996.53	843.62
27 15 13 00-0614 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,206.78	900.69
27 15 13 00-0615 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,415.92	957.74
27 15 13 00-0616 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,907.25	1,070.75
27 15 13 00-0617 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,776.78	1,410.88
27 15 13 00-0618 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,633.03	2,084.44
27 15 13 00-0619 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,300.87	692.57
27 15 13 00-0620 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,482.81	717.18
27 15 13 00-0621 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,610.56	741.81
27 15 13 00-0622 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,841.69	767.53
27 15 13 00-0623 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,045.72	819.01
27 15 13 00-0624 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,436.23	870.47
27 15 13 00-0625 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,723.01	973.41
27 15 13 00-0626 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,442.00	1,283.33
27 15 13 00-0627 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,190.51	1,895.35
27 15 13 00-0628 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,493.45	1,940.10
27 15 13 00-0629 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,534.43	2,258.98
27 15 13 00-0630 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,009.65	2,417.86
27 15 13 00-0631 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,410.21	3,022.04
27 15 13 00-0632 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,405.21	3,978.66
27 15 13 00-0633 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	22,198.06	7,328.53
27 15 13 00-0634 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	33,965.88	9,698.28
27 15 13 00-0635 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	45,747.61	12,221.30
27 15 13 00-0636 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	64,582.99	16,762.75
27 15 13 00-0637 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,247.78	692.57
27 15 13 00-0638 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,379.09	717.18
27 15 13 00-0639 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,475.73	741.81
27 15 13 00-0640 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,638.89	767.53
27 15 13 00-0641 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,800.45	819.01
27 15 13 00-0642 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,080.89	870.47
27 15 13 00-0643 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,326.42	973.41
27 15 13 00-0644 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,972.19	1,283.33
27 15 13 00-0645 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,458.34	1,895.35
27 15 13 00-0646 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,679.14	1,940.10
27 15 13 00-0647 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,536.52	2,258.98
27 15 13 00-0648 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,936.06	2,417.86
27 15 13 00-0649 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,194.39	3,022.04

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0650	MLF		100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,684.71	3,978.66
27 15 13 00-0651	MLF		250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,556.69	7,328.53
27 15 13 00-0652	MLF		500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	27,537.31	9,698.28
27 15 13 00-0653	MLF		750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	36,585.02	12,221.30
27 15 13 00-0654	MLF		1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	51,355.37	16,763.88
27 15 13 00-0655			Sound System Cables <small>(27 15 13)</small> Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656			Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0655)</small>		
27 15 13 00-0657			Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0656)</small>		
27 15 13 00-0658	MLF		2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,881.61	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0659	MLF		2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,775.30	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0660	MLF		2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,693.30	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0661	MLF		4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,782.97	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0662	MLF		4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,071.19	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0663	MLF		6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,358.47	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0664	MLF		4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,072.41	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0665	MLF		4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,934.01	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0666			Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0656)</small>		
27 15 13 00-0667	MLF		2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,925.53	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0668	MLF		2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,803.23	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0669	MLF		2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,734.01	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0670	MLF		4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,849.52	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0671	MLF		8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,093.56	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0672	MLF		2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,066.63	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0673	MLF		2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,897.47	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0674	MLF		4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,185.02	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0675	MLF		6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,471.78	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0676	MLF		2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,768.72	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0677	MLF		2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,825.86	783.20
			<i>For Work In Restricted Working Space, Add</i>	469.92	
27 15 13 00-0678			Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0655)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0679	Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0678)</small>		
27 15 13 00-0680	MLF 2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,098.40	391.60
27 15 13 00-0681	MLF 2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	992.09	391.60
27 15 13 00-0682	MLF 2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	910.09	391.60
27 15 13 00-0683	MLF 4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	999.76	391.60
27 15 13 00-0684	MLF 4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,287.98	391.60
27 15 13 00-0685	MLF 6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,575.26	391.60
27 15 13 00-0686	MLF 4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,289.20	391.60
27 15 13 00-0687	MLF 4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,150.80	391.60

27 15 13 00-0688	Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0678)</small>		
27 15 13 00-0689	MLF 2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,142.32	391.60
27 15 13 00-0690	MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,020.02	391.60
27 15 13 00-0691	MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	950.80	391.60
27 15 13 00-0692	MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,066.31	391.60
27 15 13 00-0693	MLF 8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,310.35	391.60
27 15 13 00-0694	MLF 2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,283.42	391.60
27 15 13 00-0695	MLF 2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,114.26	391.60
27 15 13 00-0696	MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,401.81	391.60
27 15 13 00-0697	MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,688.57	391.60
27 15 13 00-0698	MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,042.65	391.60
27 15 13 00-0699	MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	985.51	391.60

27 15 23 Communications Optical Fiber Horizontal Cabling (27 15)
 Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001	Indoor Fiber Optic Cable <small>(27 15 23)</small>		
	Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002	Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0001)</small>		
	Note: Excludes conduit or innerduct.		
27 15 23 00-0003	Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0002)</small>		
27 15 23 00-0004	Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0003)</small>		
27 15 23 00-0005	Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0004)</small>		
27 15 23 00-0006	MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,057.81	440.80
27 15 23 00-0007	MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,155.19	440.80
27 15 23 00-0008	MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,187.71	440.80
27 15 23 00-0009	MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,303.50	440.80
	<i>For Aluminum Armored Cable, Add</i>	1,283.52	
	<i>For Steel Armored Cable, Add</i>	1,466.02	
27 15 23 00-0010	MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,336.70	440.80
27 15 23 00-0011	MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,537.39	440.80
	<i>For Aluminum Armored Cable, Add</i>	1,412.60	
	<i>For Steel Armored Cable, Add</i>	1,518.20	
27 15 23 00-0012	MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,631.19	514.27
27 15 23 00-0013	MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,703.22	514.27
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,839.80	
	<i>For Steel Armored Cable, Add</i>	1,878.60	
27 15 23 00-0014	MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,517.96	514.27
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,939.49	
	<i>For Steel Armored Cable, Add</i>	1,610.56	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0015	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	4,675.98 2,034.91 1,688.23	514.27
27 15 23 00-0016	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,672.47	514.27
27 15 23 00-0017	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,937.47	514.27
27 15 23 00-0018	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,331.36	514.27
27 15 23 00-0019	MLF		120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,849.96	587.74
27 15 23 00-0020	MLF		144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,750.76	587.74
27 15 23 00-0021			50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0004)</small>		
27 15 23 00-0022	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,085.85	440.80
27 15 23 00-0023	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,208.69	440.80
27 15 23 00-0024	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,490.13	440.80
27 15 23 00-0025	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,786.39 937.78 1,242.26	440.80
27 15 23 00-0026	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,067.84	440.80
27 15 23 00-0027	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	2,645.55 902.31 1,299.04	440.80
27 15 23 00-0028	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,916.12	514.27
27 15 23 00-0029	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	5,004.75 952.11 952.11	514.27
27 15 23 00-0030	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,078.57	514.27
27 15 23 00-0031	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable With Sub-Units, Add</i>	9,152.39 1,699.05	514.27
27 15 23 00-0032	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,226.21	514.27
27 15 23 00-0033	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,300.03	514.27
27 15 23 00-0034	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit..... <i>For Aluminum Armored Cable With Sub-Units, Add</i>	17,462.48 7,317.62	514.27
27 15 23 00-0035	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,732.57	587.74
27 15 23 00-0036	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	25,880.21	587.74
27 15 23 00-0037			62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0004)</small>		
27 15 23 00-0038	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,103.41	440.80
27 15 23 00-0039	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,232.39	440.80
27 15 23 00-0040	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,527.91	440.80
27 15 23 00-0041	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,838.98	440.80
27 15 23 00-0042	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,134.50	440.80
27 15 23 00-0043	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,741.09	440.80
27 15 23 00-0044	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,019.07	514.27
27 15 23 00-0045	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,212.13	514.27
27 15 23 00-0046	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,389.64	514.27
27 15 23 00-0047	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,567.15	514.27
27 15 23 00-0048	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,744.67	514.27
27 15 23 00-0049	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,922.18	514.27
27 15 23 00-0050	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,292.75	514.27
27 15 23 00-0051	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,770.22	587.74



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Structured Cabling	27 10	27
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,125.25	587.74
27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0003)</small>		
27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0053)</small>		
27 15 23 00-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,960.39	440.80
27 15 23 00-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,323.59	440.80
27 15 23 00-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,122.59	440.80
27 15 23 00-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,503.91	440.80
27 15 23 00-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,101.68	440.80
27 15 23 00-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,441.03	514.27
27 15 23 00-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,114.69	514.27
27 15 23 00-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,434.76	514.27
27 15 23 00-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,022.44	514.27
27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0053)</small>		
27 15 23 00-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,339.35	440.80
27 15 23 00-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,845.30	440.80
27 15 23 00-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,679.49	440.80
27 15 23 00-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,919.34	440.80
27 15 23 00-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,434.21	440.80
27 15 23 00-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,265.21	514.27
27 15 23 00-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,123.33	514.27
27 15 23 00-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,393.72	514.27
27 15 23 00-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,847.87	514.27
27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0053)</small>		
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,419.58	440.80
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,950.83	440.80
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,826.74	440.80
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,128.58	440.80
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,669.19	440.80
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,585.62	514.27
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,536.64	514.27
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,870.55	514.27
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,597.40	514.27
27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0002)</small>		
27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0084)</small>		
27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small>		
27 15 23 00-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,097.05	440.80
27 15 23 00-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,102.52	440.80
27 15 23 00-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,389.60	440.80
27 15 23 00-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,423.19	440.80
<i>For Aluminum Armored Cable, Add</i>	<i>1,256.02</i>	
<i>For Steel Armored Cable, Add</i>	<i>4,973.19</i>	
27 15 23 00-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,592.30	440.80
27 15 23 00-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,623.93	440.80
<i>For Aluminum Armored Cable, Add</i>	<i>1,326.10</i>	
<i>For Steel Armored Cable, Add</i>	<i>5,309.90</i>	
27 15 23 00-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,756.15	514.27
27 15 23 00-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,843.29	514.27
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,084.57</i>	
<i>For Steel Armored Cable, Add</i>	<i>5,001.91</i>	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,720.82	514.27
27 15 23 00-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,923.52	514.27
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,662.87	
<i>For Steel Armored Cable, Add</i>	5,865.24	
27 15 23 00-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,573.07	514.27
27 15 23 00-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,334.28	514.27
27 15 23 00-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,994.41	514.27
27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small>		
27 15 23 00-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,083.96	440.80
27 15 23 00-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,707.54	440.80
27 15 23 00-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,303.52	440.80
27 15 23 00-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,911.46	440.80
<i>For Aluminum Armored Cable, Add</i>	-184.38	
<i>For Steel Armored Cable, Add</i>	187.44	
27 15 23 00-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,493.98	440.80
27 15 23 00-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,000.10	440.80
<i>For Aluminum Armored Cable, Add</i>	-477.57	
<i>For Steel Armored Cable, Add</i>	-55.49	
27 15 23 00-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,118.71	514.27
27 15 23 00-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,441.63	514.27
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,550.22	
<i>For Steel Armored Cable, Add</i>	5,947.85	
27 15 23 00-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,733.89	514.27
27 15 23 00-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,026.15	514.27
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,572.77	
27 15 23 00-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,318.41	514.27
27 15 23 00-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,610.67	514.27
27 15 23 00-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	35,225.85	514.27
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	15,145.55	
27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small>		
27 15 23 00-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,101.43	440.80
27 15 23 00-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,756.19	440.80
27 15 23 00-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,381.96	440.80
27 15 23 00-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,020.30	440.80
27 15 23 00-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,631.95	440.80
27 15 23 00-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,163.37	440.80
27 15 23 00-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,331.79	514.27
27 15 23 00-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,870.86	514.27
27 15 23 00-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,377.73	514.27
27 15 23 00-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,884.60	514.27
27 15 23 00-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,391.47	514.27
27 15 23 00-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,898.35	514.27
27 15 23 00-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	36,944.29	514.27
27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0084)</small>		
27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,071.12	440.80



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,513.01	440.80
27 15 23 00-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,575.31	440.80
27 15 23 00-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,616.41	440.80
27 15 23 00-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,277.97	440.80
27 15 23 00-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,372.45	514.27
27 15 23 00-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,947.97	514.27
27 15 23 00-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,077.98	514.27
27 15 23 00-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,551.17	514.27
27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,233.94	440.80
27 15 23 00-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,839.89	440.80
27 15 23 00-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,706.45	440.80
27 15 23 00-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,167.41	440.80
27 15 23 00-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,433.82	440.80
27 15 23 00-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,804.37	514.27
27 15 23 00-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,309.95	514.27
27 15 23 00-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	25,743.91	514.27
27 15 23 00-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	41,326.99	514.27
27 15 23 00-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,508.91	440.80
27 15 23 00-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,195.15	440.80
27 15 23 00-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,205.04	440.80
27 15 23 00-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,739.05	440.80
27 15 23 00-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,118.77	440.80
27 15 23 00-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,751.74	514.27
27 15 23 00-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	24,432.59	514.27
27 15 23 00-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,988.25	514.27
27 15 23 00-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	43,350.48	514.27
27 15 23 00-0159 Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0001)</small>		
<small>Note: For non-conduit installations such as cable trays, surface runways, etc.</small>		
27 15 23 00-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0159)</small>		
27 15 23 00-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0160)</small>		
27 15 23 00-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0161)</small>		
27 15 23 00-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,302.70	587.74
<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,400.08	587.74
<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,432.60	587.74
<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,548.39	587.74
<i>For Aluminum Armored Cable, Add</i>	1,283.52	
<i>For Steel Armored Cable, Add</i>	1,466.02	
<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,581.59	587.74
<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,782.28	587.74
<i>For Aluminum Armored Cable, Add</i>	1,412.60	
<i>For Steel Armored Cable, Add</i>	1,518.20	
<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,876.09	661.20
<i>For Work In Restricted Working Space, Add</i>	330.60	

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0170	MLF		24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,948.12 1,839.80 1,878.60 330.60	661.20
27 15 23 00-0171	MLF		36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,762.86 1,939.49 1,610.56 330.60	661.20
27 15 23 00-0172	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,920.88 2,034.91 1,688.23 330.60	661.20
27 15 23 00-0173	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,917.37 330.60	661.20
27 15 23 00-0174	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,182.37 330.60	661.20
27 15 23 00-0175	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,576.26 330.60	661.20
27 15 23 00-0176	MLF		120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,094.85 367.34	734.67
27 15 23 00-0177	MLF		144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,995.65 367.34	734.67
27 15 23 00-0178			50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0179	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,330.74 293.87	587.74
27 15 23 00-0180	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,453.58 293.87	587.74
27 15 23 00-0181	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,735.02 293.87	587.74
27 15 23 00-0182	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,031.28 937.78 1,242.26 293.87	587.74
27 15 23 00-0183	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,312.73 293.87	587.74
27 15 23 00-0184	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,890.44 902.31 1,299.04 293.87	587.74
27 15 23 00-0185	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,161.02 330.60	661.20
27 15 23 00-0186	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,249.65 952.11 952.11 330.60	661.20
27 15 23 00-0187	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,323.47 330.60	661.20
27 15 23 00-0188	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,397.29 1,699.05 330.60	661.20
27 15 23 00-0189	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,471.11 330.60	661.20
27 15 23 00-0190	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,544.93 330.60	661.20
27 15 23 00-0191	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	17,707.38 7,317.62 330.60	661.20
27 15 23 00-0192	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	21,977.46 367.34	734.67
27 15 23 00-0193	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	26,125.10 367.34	734.67
27 15 23 00-0194			62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0195	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,348.30 293.87	587.74
27 15 23 00-0196	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,477.28 293.87	587.74
27 15 23 00-0197	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,772.80 293.87	587.74
27 15 23 00-0198	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,083.87 293.87	587.74



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0199	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,379.39	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0200	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,985.98	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0201	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,263.97	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0202	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,457.03	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0203	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,634.54	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0204	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,812.05	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0205	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,989.57	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0206	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,167.08	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0207	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,537.65	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0208	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,015.11	734.67
			<i>For Work In Restricted Working Space, Add</i>	367.34	
27 15 23 00-0209	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	27,370.14	734.67
			<i>For Work In Restricted Working Space, Add</i>	367.34	
27 15 23 00-0210			Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0160)</small>		
27 15 23 00-0211			Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>		
27 15 23 00-0212	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,205.28	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0213	MLF		4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,568.48	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0214	MLF		6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,367.48	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0215	MLF		8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,748.80	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0216	MLF		12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,346.57	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0217	MLF		18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,685.93	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0218	MLF		24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,359.59	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0219	MLF		36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,679.66	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0220	MLF		48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,267.34	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0221			50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>		
27 15 23 00-0222	MLF		2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,584.24	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0223	MLF		4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,090.19	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0224	MLF		6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,924.38	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0225	MLF		8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,164.23	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0226	MLF		12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,679.10	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0227	MLF		18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,510.11	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0228	MLF		24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,368.23	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0229	MLF		36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,638.62	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0230	MLF		48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,092.77	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	

27 Communications
27 10 Structured Cabling
27 15 Communications Horizontal Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0231			62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>		
27 15 23 00-0232	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,664.47	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0233	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,195.72	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0234	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,071.63	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0235	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,373.47	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0236	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,914.08	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0237	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,830.52	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0238	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,781.54	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0239	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,115.45	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0240	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,842.30	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0241			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0159)</small>		
27 15 23 00-0242			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
27 15 23 00-0243			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0244	MLF		1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,341.94	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0245	MLF		2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,347.41	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0246	MLF		4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,634.49	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0247	MLF		6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,668.08	587.74
			<i>For Aluminum Armored Cable, Add</i>	1,256.02	
			<i>For Steel Armored Cable, Add</i>	4,973.19	
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0248	MLF		8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,837.19	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0249	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,868.82	587.74
			<i>For Aluminum Armored Cable, Add</i>	1,326.10	
			<i>For Steel Armored Cable, Add</i>	5,309.90	
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0250	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,001.05	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0251	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,088.19	661.20
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,084.57	
			<i>For Steel Armored Cable, Add</i>	5,001.91	
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0252	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,965.72	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0253	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,168.42	661.20
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,662.87	
			<i>For Steel Armored Cable, Add</i>	5,865.24	
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0254	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,817.97	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0255	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,579.18	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0256	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,239.31	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0257			50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0258	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,328.85	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0259	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,952.43	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0260	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,548.41	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0261	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,156.35	587.74
			<i>For Aluminum Armored Cable, Add</i>	-184.38	
			<i>For Steel Armored Cable, Add</i>	187.44	
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0262	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,738.87	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0263	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,244.99	587.74
			<i>For Aluminum Armored Cable, Add</i>	-477.57	
			<i>For Steel Armored Cable, Add</i>	-55.49	
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0264	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,363.61	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0265	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,686.53	661.20
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,550.22	
			<i>For Steel Armored Cable, Add</i>	5,947.85	
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0266	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,978.79	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0267	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,271.05	661.20
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,572.77	
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0268	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,563.31	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0269	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,855.57	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0270	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	35,470.75	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	15,145.55	
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0271			62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0272	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,346.32	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0273	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,001.08	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0274	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,626.85	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0275	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,265.19	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0276	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,876.84	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0277	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,408.26	587.74
			<i>For Work In Restricted Working Space, Add</i>	293.87	
27 15 23 00-0278	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,576.69	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0279	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,115.76	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0280	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,622.63	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0281	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,129.50	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0282	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,636.37	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0283	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,143.25	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	
27 15 23 00-0284	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	37,189.19	661.20
			<i>For Work In Restricted Working Space, Add</i>	330.60	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0285			Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
27 15 23 00-0286			Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0287	MLF		2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 3,316.01	3,316.01	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0288	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 3,757.90	3,757.90	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0289	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 4,820.20	4,820.20	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0290	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 5,861.30	5,861.30	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0291	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 7,522.86	7,522.86	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0292	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 10,617.35	10,617.35	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0293	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 15,192.87	15,192.87	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0294	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 18,322.88	18,322.88	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0295	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 22,796.07	22,796.07	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0296			50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0297	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 6,478.83	6,478.83	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0298	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 8,084.78	8,084.78	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0299	MLF		6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 10,951.34	10,951.34	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0300	MLF		8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 12,412.30	12,412.30	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0301	MLF		12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 14,678.71	14,678.71	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0302	MLF		18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 20,049.27	20,049.27	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0303	MLF		24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 23,554.85	23,554.85	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0304	MLF		36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 25,988.81	25,988.81	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0305	MLF		48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 41,571.89	41,571.89	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0306			62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 6,753.80	6,753.80	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 8,440.04	8,440.04	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 11,449.93	11,449.93	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 12,983.94	12,983.94	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 15,363.66	15,363.66	587.74
			<i>For Work In Restricted Working Space, Add</i> 293.87		
27 15 23 00-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 20,996.64	20,996.64	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 24,677.49	24,677.49	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 27,233.15	27,233.15	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		
27 15 23 00-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 43,595.38	43,595.38	661.20
			<i>For Work In Restricted Working Space, Add</i> 330.60		



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0316)</small>		
27 15 23 00-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,526.11	440.80
27 15 23 00-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,596.50	440.80
27 15 23 00-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,014.82	514.27
27 15 23 00-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	9,493.34	514.27
27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0316)</small>		
27 15 23 00-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,822.23	440.80
27 15 23 00-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,638.17	440.80
27 15 23 00-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	7,142.83	514.27
27 15 23 00-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	12,335.78	514.27
27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0327)</small>		
27 15 23 00-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,771.00 293.87	587.74
27 15 23 00-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,841.39 293.87	587.74
27 15 23 00-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,259.72 330.60	661.20
27 15 23 00-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,738.24 330.60	661.20
27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0327)</small>		
27 15 23 00-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,067.12 293.87	587.74
27 15 23 00-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,883.06 293.87	587.74
27 15 23 00-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,387.73 330.60	661.20
27 15 23 00-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,580.68 330.60	661.20
27 15 23 00-0338 Outdoor Fiber Optic Cable <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0339)</small>		
27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,049.29 283.28	881.60
27 15 23 00-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,084.55 285.63	881.60
27 15 23 00-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,119.87 287.90	881.60
27 15 23 00-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,155.16 290.66	881.60
27 15 23 00-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,225.29 263.01	881.60

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,368.74 293.03	881.60
27 15 23 00-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,442.47 230.68	881.60
27 15 23 00-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,465.22 269.63	881.60
27 15 23 00-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,887.22 296.64	881.60
27 15 23 00-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,119.88 296.61	881.60
27 15 23 00-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,421.74 350.57	881.60
27 15 23 00-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,953.15 336.58	881.60
27 15 23 00-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,533.80 408.71	881.60
27 15 23 00-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,141.50 273.59	881.60
27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)					
27 15 23 00-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,867.94 -4.10	881.60
27 15 23 00-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,947.32 41.65	881.60
27 15 23 00-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,113.64 107.74	881.60
27 15 23 00-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,340.44 -65.42	881.60
27 15 23 00-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,434.94 -34.76	881.60
27 15 23 00-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,756.24 -16.39	881.60
27 15 23 00-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,436.64 -88.94	881.60
27 15 23 00-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,438.34 -0.08	881.60
27 15 23 00-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,553.44 -203.39	881.60
27 15 23 00-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,328.34 -102.28	881.60
27 15 23 00-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,330.04 469.28	881.60
27 15 23 00-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,654.74 -210.64	881.60
27 15 23 00-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,960.54 -281.69	881.60
27 15 23 00-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	15,266.34 -334.85	881.60
27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)					
27 15 23 00-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,804.58 121.14	881.60
27 15 23 00-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,921.05 129.91	881.60
27 15 23 00-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,037.34 138.47	881.60
27 15 23 00-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,181.00 157.64	881.60
27 15 23 00-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,386.74 164.38	881.60
27 15 23 00-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,750.49 175.19	881.60
27 15 23 00-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,095.06 201.47	881.60
27 15 23 00-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,754.51 223.88	881.60
27 15 23 00-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,525.84 257.42	881.60
27 15 23 00-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,238.26 277.00	881.60
27 15 23 00-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,990.19 313.52	881.60
27 15 23 00-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,510.98 352.51	881.60
27 15 23 00-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,056.19 400.06	881.60
27 15 23 00-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,625.25 367.48	881.60



Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0386	Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0387	Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0388	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,251.25 223.86	881.60
27 15 23 00-0389	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,320.02 321.31	881.60
27 15 23 00-0390	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,340.67 307.93	881.60
27 15 23 00-0391	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,423.05 256.34	881.60
27 15 23 00-0392	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,448.76 306.37	881.60
27 15 23 00-0393	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,564.21 290.57	881.60
27 15 23 00-0394	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,667.73 294.02	881.60
27 15 23 00-0395	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,832.87 372.85	881.60
27 15 23 00-0396	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,065.53 377.71	881.60
27 15 23 00-0397	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,297.29 391.31	881.60
27 15 23 00-0398	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,611.49 336.59	881.60
27 15 23 00-0399	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,119.73 438.97	881.60
27 15 23 00-0400	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,784.64 432.24	881.60
27 15 23 00-0401	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,328.75 345.27	881.60
27 15 23 00-0402	50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0403	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,483.10 316.80	881.60
27 15 23 00-0404	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,723.87 177.41	881.60
27 15 23 00-0405	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,040.67 38.02	881.60
27 15 23 00-0406	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,192.73 63.36	881.60
27 15 23 00-0407	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,344.80 63.36	881.60
27 15 23 00-0408	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,699.61 76.03	881.60
27 15 23 00-0409	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,016.41 291.46	881.60
27 15 23 00-0410	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,700.70 570.24	881.60
27 15 23 00-0411	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,384.99 950.40	881.60
27 15 23 00-0412	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,955.23 1,045.44	881.60
27 15 23 00-0413	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,702.88 1,330.56	881.60
27 15 23 00-0414	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,261.53 1,964.16	881.60
27 15 23 00-0415	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,047.20 1,482.62	881.60
27 15 23 00-0416	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,062.04 3,611.52	881.60
27 15 23 00-0417	62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,883.22 152.06	881.60
27 15 23 00-0419	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,997.27 164.38	881.60
27 15 23 00-0420	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,111.13 176.68	881.60
27 15 23 00-0421	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,225.18 188.97	881.60
27 15 23 00-0422	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,520.61 203.26	881.60
27 15 23 00-0423	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,810.31 238.19	881.60
27 15 23 00-0424	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,165.28 258.71	881.60

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,852.37 319.65	881.60
27 15 23 00-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,552.31 366.23	881.60
27 15 23 00-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,254.66 407.82	881.60
27 15 23 00-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,993.16 454.78	881.60
27 15 23 00-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,491.79 536.25	881.60
27 15 23 00-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,426.09 554.35	881.60
27 15 23 00-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,559.66 572.27	881.60
27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Excludes trenching.		
27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0432)		
27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)		
27 15 23 00-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,926.84 283.28	
27 15 23 00-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,962.10 285.63	
27 15 23 00-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,997.42 287.90	
27 15 23 00-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,032.71 290.66	
27 15 23 00-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,102.84 263.01	
27 15 23 00-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,246.29 293.03	
27 15 23 00-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,320.02 230.68	
27 15 23 00-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,342.77 269.63	
27 15 23 00-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,764.77 296.64	
27 15 23 00-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,294.04 296.61	
27 15 23 00-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,649.86 350.57	
27 15 23 00-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,830.70 336.58	
27 15 23 00-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,411.35 408.71	
27 15 23 00-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,019.05 273.59	
27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)		
27 15 23 00-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,745.49 -4.10	
27 15 23 00-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,824.87 41.65	
27 15 23 00-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,991.19 107.74	
27 15 23 00-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,217.99 -65.42	
27 15 23 00-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,312.49 -34.76	
27 15 23 00-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,633.79 -16.39	
27 15 23 00-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,314.19 -88.94	
27 15 23 00-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,315.89 -0.08	
27 15 23 00-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,430.99 -203.39	
27 15 23 00-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,205.89 -102.28	
27 15 23 00-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,207.59 469.28	
27 15 23 00-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,532.29 -210.64	
27 15 23 00-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,838.09 -281.69	
27 15 23 00-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	15,143.89 -334.85	



Communications	27	27
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0464	62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0433)</small>	
27 15 23 00-0465	MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,682.13
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	121.14
27 15 23 00-0466	MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,798.60
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	129.91
27 15 23 00-0467	MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,914.89
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	138.47
27 15 23 00-0468	MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,058.55
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	157.64
27 15 23 00-0469	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,264.29
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	164.38
27 15 23 00-0470	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,628.04
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	175.19
27 15 23 00-0471	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,972.61
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	201.47
27 15 23 00-0472	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,632.06
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	223.88
27 15 23 00-0473	MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,403.39
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.42
27 15 23 00-0474	MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,115.81
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	277.00
27 15 23 00-0475	MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,867.74
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	313.52
27 15 23 00-0476	MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	7,388.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	352.51
27 15 23 00-0477	MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	8,933.74
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	400.06
27 15 23 00-0478	MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	10,502.80
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	367.48

27 15 23 00-0479 **Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0432)

27 15 23 00-0480	Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0479)</small>	
27 15 23 00-0481	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,128.80
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	223.86
27 15 23 00-0482	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,197.57
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	321.31
27 15 23 00-0483	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,218.22
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	307.93
27 15 23 00-0484	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,300.60
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	256.34
27 15 23 00-0485	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,326.31
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	306.37
27 15 23 00-0486	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,441.76
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.57
27 15 23 00-0487	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,545.28
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	294.02
27 15 23 00-0488	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,710.42
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	372.85
27 15 23 00-0489	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,943.08
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	377.71
27 15 23 00-0490	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,174.84
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	391.31
27 15 23 00-0491	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,489.04
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	336.59
27 15 23 00-0492	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,997.28
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	438.97
27 15 23 00-0493	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,662.19
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	432.24
27 15 23 00-0494	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,206.30
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	345.27

27 15 23 00-0495 **50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0479)

27 15 23 00-0496	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,360.65
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	316.80
27 15 23 00-0497	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,601.42
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	177.41
27 15 23 00-0498	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,918.22
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	38.02
27 15 23 00-0499	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,070.28
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	63.36
27 15 23 00-0500	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,222.35
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	63.36
27 15 23 00-0501	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,577.16
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	76.03

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0502	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,893.96 291.46	
27 15 23 00-0503	MLF		36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,578.25 570.24	
27 15 23 00-0504	MLF		48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,262.54 950.40	
27 15 23 00-0505	MLF		60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,832.78 1,045.44	
27 15 23 00-0506	MLF		72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,580.43 1,330.56	
27 15 23 00-0507	MLF		96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,139.08 1,964.16	
27 15 23 00-0508	MLF		120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,924.75 1,482.62	
27 15 23 00-0509	MLF		144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,939.59 3,611.52	
27 15 23 00-0510			62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0479)</small>		
27 15 23 00-0511	MLF		2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,760.77 152.06	
27 15 23 00-0512	MLF		4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,874.82 164.38	
27 15 23 00-0513	MLF		6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,988.68 176.68	
27 15 23 00-0514	MLF		8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,102.73 188.97	
27 15 23 00-0515	MLF		12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,398.16 203.26	
27 15 23 00-0516	MLF		18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,687.86 238.19	
27 15 23 00-0517	MLF		24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,042.83 258.71	
27 15 23 00-0518	MLF		36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,729.92 319.65	
27 15 23 00-0519	MLF		48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,429.86 366.23	
27 15 23 00-0520	MLF		60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,132.21 407.82	
27 15 23 00-0521	MLF		72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,870.71 454.78	
27 15 23 00-0522	MLF		96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,369.34 536.25	
27 15 23 00-0523	MLF		120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,965.98 554.35	
27 15 23 00-0524	MLF		144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,437.21 572.27	
27 15 23 00-0525			(Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0338)</small>		
27 15 23 00-0526			Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0525)</small>		
27 15 23 00-0527			Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 15 23 00-0526)</small>		
27 15 23 00-0528	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,624.59 189.47	3,305.13
27 15 23 00-0529	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,659.63 194.38	3,305.13
27 15 23 00-0530	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,695.14 199.15	3,305.13
27 15 23 00-0531	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,730.19 195.34	3,305.13
27 15 23 00-0532	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,800.30 227.73	3,305.13
27 15 23 00-0533	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,938.76 236.75	3,305.13
27 15 23 00-0534	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,044.35 261.68	3,305.13
27 15 23 00-0535	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,295.41 250.91	3,305.13
27 15 23 00-0536	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,514.96 291.49	3,305.13
27 15 23 00-0537	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,696.46 279.52	3,305.13
27 15 23 00-0538	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,922.88 319.58	3,305.13
27 15 23 00-0539	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,517.10 324.58	3,305.13
27 15 23 00-0540	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,154.64 387.31	3,305.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,307.48 415.88	3,305.13
27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,917.24	734.67
27 15 23 00-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,943.18	734.67
27 15 23 00-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,228.61	734.67
27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,225.78	734.67
27 15 23 00-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,808.80	734.67
27 15 23 00-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,359.12	734.67
27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0551)</small>		
27 15 23 00-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,794.79	673.45
27 15 23 00-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,820.73	673.45
27 15 23 00-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,106.16	673.45
27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0551)</small>		
27 15 23 00-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,103.33	673.45
27 15 23 00-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,686.35	673.45
27 15 23 00-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	8,236.67	673.45
27 15 23 00-0560 Network Communications Cabling And Related Products <small>(27 15 23)</small>		
27 15 23 00-0561 EA AC Surge Suppression Assembly..... Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.	505.30	15.31
27 15 23 00-0562 EA Single Mode Fiber Optic To Ethernet Media Converter	853.19	18.37
27 15 23 00-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends..... Note: Includes testing.	45.09	1.96
27 15 23 00-0564 EA KVM (Keyboard, Video, Mouse) Cable	103.00	2.45
27 15 23 00-0565 EA 6' Long USB (Universal Serial Bus) Cable..... Note: Includes testing.	15.20	1.96
27 15 23 00-0566 EA 10' Long USB (Universal Serial Bus) Cable..... Note: Includes testing.	18.03	2.45
27 15 23 00-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	19.76	1.96
27 15 23 00-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	22.59	2.45
27 15 23 00-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends	33.12	1.96
27 15 23 00-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends	72.12	2.45
27 15 23 00-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	57.37	1.96
27 15 23 00-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	72.12	2.45
27 15 23 00-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other	107.77	1.96
27 15 23 00-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other..... Note: Includes testing.	107.77	1.96
27 15 23 00-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 006ESF-T4101D20. Includes testing.	1.07	
27 15 23 00-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 012ESF-T4101D20. Includes testing.	7.48	
27 15 23 00-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 024EW4-T4101D20. Includes testing.	9.14	
27 15 23 00-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 072EW4-T4101D20. Includes testing.	15.04	
27 15 23 00-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 144EW4-T4101D20. Includes testing.	23.50	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0580	LF		36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 036E81-61131-24. Includes testing.	15.21	
27 15 23 00-0581	LF		72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 072E81-T3131-24. Includes testing.	23.84	
27 15 23 00-0582	EA		Aerial Storage Unit Note: Alcola part no. FSU-16. Includes testing.	133.90	12.24
27 15 23 00-0583	EA		Spider Fan-Out Kits With SC Connectors Note: Corning part no. SFK-P-12-900-S.	163.88	12.24
27 15 23 00-0584	LF		Ultraviolet Resistant Rated Category 6 Cable Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	1.46	0.22
27 15 23 00-0585	LF		RG11 Coaxial Cable NEC CMR Note: Corning part no. SFK-P-12-900-S.	5.01	2.30
27 15 23 00-0586	LF		Outdoor Rated UL Type CL2 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	5.11	
27 15 23 00-0587	LF		Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	7.47	2.30

27 15 33 Communications Coaxial Horizontal Cabling (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable (27 15 33)**27 15 33 00-0002 Coaxial Distribution Cable (27 15 33 00-0001)**

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.

27 15 33 00-0003	MLF		RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,204.08	358.04
27 15 33 00-0004	MLF		RG-6A/U Coaxial Distribution Cable, Installed In Conduit.....	12,805.66	358.04
27 15 33 00-0005	MLF		RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	6,560.40	378.18
27 15 33 00-0006	MLF		RG-8A/U Coaxial Distribution Cable, Installed In Conduit.....	8,363.99	378.18
27 15 33 00-0007	MLF		RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	7,329.46	447.55
27 15 33 00-0008	MLF		RG-11A/U Coaxial Distribution Cable, Installed In Conduit.....	10,817.46	447.55
27 15 33 00-0009	MLF		RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	23,735.21	626.56
27 15 33 00-0010	MLF		RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	2,314.53	313.28
27 15 33 00-0011	MLF		RG-58A/U Coaxial Distribution Cable, Installed In Conduit.....	2,671.92	313.28
27 15 33 00-0012	MLF		RG-58C/U Coaxial Distribution Cable, Installed In Conduit.....	3,301.49	313.28
27 15 33 00-0013	MLF		RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	8,196.97	626.56
27 15 33 00-0014	MLF		RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	3,984.24	313.28
27 15 33 00-0015	MLF		RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	10,070.19	626.56
27 15 33 00-0016	MLF		1/2" Hard Line Coaxial, Installed In Conduit	3,154.10	447.55

27 15 33 00-0017 Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)**27 15 33 00-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0017)**

27 15 33 00-0019	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,857.81	514.27
27 15 33 00-0020	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	4,712.13	514.27
27 15 33 00-0021	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,461.44	587.74
27 15 33 00-0022	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	5,958.97	587.74

27 15 33 00-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0017)

27 15 33 00-0024	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	2,714.93	1,028.54
			<i>For Work In Restricted Working Space, Add</i>	514.27	
27 15 33 00-0025	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	5,569.25	1,028.54
			<i>For Work In Restricted Working Space, Add</i>	514.27	
27 15 33 00-0026	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	2,441.00	1,175.47
			<i>For Work In Restricted Working Space, Add</i>	587.74	
27 15 33 00-0027	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	6,938.53	1,175.47
			<i>For Work In Restricted Working Space, Add</i>	587.74	

27 15 33 00-0028 Outdoor Coaxial Cable (27 15 33)**27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028)**

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF		TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	8,161.90	1,675.16
27 15 33 00-0031	MLF		TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	4,984.24	1,178.27
27 15 33 00-0032	MLF		TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	4,608.84	695.15
27 15 33 00-0033	MLF		TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	2,105.34	695.15
27 15 33 00-0034	MLF		1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	3,082.95	1,086.19

27 15 43 Communications Faceplates and Connectors (27 15)**27 15 43 00-0001 Plastic Communications Faceplates (27 15 43)**

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0002	EA		One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	9.74	3.07
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0003 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	9.74	3.07
27 15 43 00-0004 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID	9.74	3.07
27 15 43 00-0005 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID	9.74	3.07
27 15 43 00-0006 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID	9.74	3.07
27 15 43 00-0007 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID	17.10	3.07
27 15 43 00-0008 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID	17.10	3.07
27 15 43 00-0009 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	17.10	3.07
27 15 43 00-0010 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	17.10	3.07
27 15 43 00-0011 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	17.10	3.07
27 15 43 00-0012 Stainless Steel Communications Faceplates <small>(27 15 43)</small>		
<small>Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.</small>		
27 15 43 00-0013 Stainless Steel Communications Faceplates <small>(27 15 43 00-0012)</small>		
27 15 43 00-0014 EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	18.48	3.07
27 15 43 00-0015 EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	18.48	3.07
27 15 43 00-0016 EA Three Port, Single Gang, Stainless Steel Communications Faceplate	18.48	3.07
27 15 43 00-0017 EA Four Port, Single Gang, Stainless Steel Communications Faceplate	19.77	3.07
27 15 43 00-0018 EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	19.77	3.07
27 15 43 00-0019 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	26.66	3.07
27 15 43 00-0020 EA Six Port, Double Gang, Stainless Steel Communications Faceplate	27.47	3.07
27 15 43 00-0021 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate	31.80	3.07
27 15 43 00-0022 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	31.80	3.07
27 15 43 00-0023 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	31.80	3.07
27 15 43 00-0024 Stainless Steel Communications Faceplates With Station ID <small>(27 15 43 00-0012)</small>		
27 15 43 00-0025 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.50	3.07
27 15 43 00-0026 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.50	3.07
27 15 43 00-0027 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.50	3.07
27 15 43 00-0028 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.50	3.07
27 15 43 00-0029 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.50	3.07
27 15 43 00-0030 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.14	3.07
27 15 43 00-0031 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.14	3.07
27 15 43 00-0032 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.14	3.07
27 15 43 00-0033 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	57.14	3.07
27 15 43 00-0034 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	57.14	3.07
27 15 43 00-0035 Snap-In Modular Jacks <small>(27 15 43)</small>		
<small>Note: Includes termination.</small>		
27 15 43 00-0036 EA Cat 3, Snap-In Modular Jack	33.69	12.27
27 15 43 00-0037 EA Category 5E, Snap-In Modular Jack.....	35.46	12.27
27 15 43 00-0038 EA Category 5E Shielded, Snap-In Modular Jack	40.75	12.27
27 15 43 00-0039 EA Cat 6, Snap-In Modular Jack	40.75	12.27
27 15 43 00-0040 EA Cat 6 Shielded, Snap-In Modular Jack	46.69	12.27
27 15 43 00-0041 EA Cat 6A, Snap-In Modular Jack.....	47.59	12.27
27 15 43 00-0042 EA Voice, RJ-11, Snap-In Modular Jack	24.85	6.13
27 15 43 00-0043 EA SC Type Fiber Optic, Snap-In Modular Jack	37.70	12.27
27 15 43 00-0044 EA ST Type Fiber Optic, Snap-In Modular Jack.....	42.20	12.27
27 15 43 00-0045 EA LC Type Fiber Optic, Snap-In Modular Jack.....	51.02	12.27
27 15 43 00-0046 EA Blank Fill In, Snap-In Modular Jack	6.96	3.07
27 15 43 00-0047 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	8.34	3.07
27 15 43 00-0048 EA Coaxial F-Type Coupler, Snap-In Modular Jack	28.20	9.20
<small>Note: Includes female to female connection.</small>		
<i>For Gold Bulkhead, Add</i> 1.71		
27 15 43 00-0049 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack	28.52	9.20
<small>Note: Includes female to female connection.</small>		
27 15 43 00-0050 EA RCA Solder Coupler, Snap-In Modular Jack	56.64	12.27
27 15 43 00-0051 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	69.63	12.27
27 15 43 00-0052 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	34.98	12.27
27 15 43 00-0053 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack	37.10	6.13
27 15 43 00-0054 EA BNC Connector, Snap-In Modular Jack.....	40.27	12.27
27 15 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	45.08	12.27
27 15 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack	63.57	18.41
<small>Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.</small>		
27 15 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack.....	67.22	12.27
27 15 43 00-0058 Surface Mount Plastic Communication Boxes <small>(27 15 43)</small>		
<small>Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.</small>		
27 15 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID	35.25	15.35
27 15 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID	36.05	15.35
27 15 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID	41.59	15.35
27 15 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	48.17	15.35
27 15 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID	55.06	15.35
27 15 43 00-0064 Wall Mounted Telephone Faceplates <small>(27 15 43)</small>		
<small>Note: Includes standard telephone mounting studs.</small>		

27	27	Communications
	27 10	Structured Cabling
	27 15	Communications Horizontal Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0065			Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0064)		
27 15 43 00-0066	EA		Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	43.69	15.31
27 15 43 00-0067			Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0064)		
27 15 43 00-0068	EA		Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	34.70	6.12
27 15 43 00-0069	EA		Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	60.94	15.31
27 15 43 00-0070	EA		Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	71.00	18.37
27 15 43 00-0071	EA		Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	33.39	6.12
27 15 43 00-0072	EA		Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	55.40	15.31
27 15 43 00-0073	EA		Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	65.61	18.37
27 15 53			Communications Cable Innerduct (27 15)		
			Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001			Indoor Innerduct (27 15 53)		
27 15 53 00-0002			Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)		
27 15 53 00-0003			Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0004	MLF		1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,871.37	1,836.67
27 15 53 00-0005	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,299.74	2,448.90
27 15 53 00-0006	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	8,390.83	3,061.12
27 15 53 00-0007	MLF		2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	9,793.70	3,673.35
27 15 53 00-0008			Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0009	MLF		3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	7,276.87	1,224.45
27 15 53 00-0010	MLF		1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,147.42	1,836.67
27 15 53 00-0011	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	10,285.72	2,448.90
27 15 53 00-0012	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	13,223.64	3,061.12
27 15 53 00-0013	MLF		2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	15,914.05	3,673.35
27 15 53 00-0014			Indoor Innerduct, Installed Exposed (27 15 53 00-0001)		
27 15 53 00-0015			Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0016	MLF		1" Riser Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,095.82 1,469.34	2,448.90
27 15 53 00-0017	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,524.18 1,836.67	3,061.12
27 15 53 00-0018	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,615.27 2,204.00	3,673.35
27 15 53 00-0019	MLF		2" Riser Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,018.15 2,571.34	4,285.57
27 15 53 00-0020			Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0021	MLF		3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,501.32	1,836.67
27 15 53 00-0022	MLF		1" Plenum Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,371.87 1,469.34	2,448.90
27 15 53 00-0023	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,510.16 1,836.67	3,061.12
27 15 53 00-0024	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	14,448.08 2,204.00	3,673.35
27 15 53 00-0025	MLF		2" Plenum Rated, Indoor Innerduct, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	17,138.50 2,571.34	4,285.57
27 15 53 00-0026			Outdoor Innerduct (27 15 53)		
27 15 53 00-0027			Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)		
27 15 53 00-0028	MLF		1" Outdoor Innerduct, Installed In Conduit.....	4,565.49	1,836.67
27 15 53 00-0029	MLF		1-1/4" Outdoor Innerduct, Installed In Conduit.....	5,848.68	2,448.90
27 15 53 00-0030	MLF		1-1/2" Outdoor Innerduct, Installed In Conduit.....	7,478.80	3,061.12
27 15 53 00-0031	MLF		2" Outdoor Innerduct, Installed In Conduit.....	8,930.61	3,673.35
27 15 53 00-0032			Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)		
27 15 53 00-0033	MLF		1" Outdoor Innerduct, Buried In Trench.....	3,341.04	
27 15 53 00-0034	MLF		1-1/4" Outdoor Innerduct, Buried In Trench.....	4,624.23	
27 15 53 00-0035	MLF		1-1/2" Outdoor Innerduct, Buried In Trench.....	6,254.36	
27 15 53 00-0036	MLF		2" Outdoor Innerduct, Buried In Trench.....	7,706.17	

27 16 Communications Connecting Cords, Devices, and Adapters (27 10)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)		
27 16 16 00-0001 Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles	1,004.16	61.22
27 16 16 00-0003 EA Fiber Optic MM Dual Video Receiver, Manual Gain	1,129.36	120.60
Note: With video presence Ind, RM.		
27 16 16 00-0004 Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0005 EA Fiber Optic Transmitter, Range 6.2 Miles	1,004.15	61.22
27 16 16 00-0006 EA Fiber Optic MM Dual Video Transmitter Video Presence Indicator	1,129.36	120.60
27 16 16 00-0007 Fiber Optic Repeaters (27 16 16)		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,126.60	122.44
27 16 16 00-0009 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,761.41	244.89
27 16 16 00-0010 Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0011 EA Fiber Optic Transceivers, 3,000 Miles Range	1,163.31	244.89
27 16 16 00-0012 EA Fiber Optic Transceivers, Digital 2,000 Miles Range	1,163.31	244.89
27 16 16 00-0013 EA Fiber Optic Ethernet Transceiver	1,530.92	367.34
27 16 16 00-0014 EA Transceiver (Low Cost Bi- Directional)	561.99	91.83
27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)		
27 16 19 00-0001 Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0002 Simplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0003 Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0002)		
27 16 19 00-0004 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	55.96	
For Each Additional Meter In Length, Add		0.26
27 16 19 00-0005 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	45.40	
For Each Additional Meter In Length, Add		0.26
27 16 19 00-0006 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	59.13	
For Each Additional Meter In Length, Add		0.26
27 16 19 00-0007 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	47.81	
For Each Additional Meter In Length, Add		0.26
27 16 19 00-0008 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	55.52	
For Each Additional Meter In Length, Add		0.26
27 16 19 00-0009 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	54.66	
For Each Additional Meter In Length, Add		0.26
27 16 19 00-0010 Duplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0011 Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0012 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	98.40	
For Each Additional Meter In Length, Add		0.51
27 16 19 00-0013 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	95.43	
For Each Additional Meter In Length, Add		0.51
27 16 19 00-0014 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	106.01	
For Each Additional Meter In Length, Add		0.51
27 16 19 00-0015 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	82.14	
For Each Additional Meter In Length, Add		0.51
27 16 19 00-0016 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	97.53	
For Each Additional Meter In Length, Add		0.51
27 16 19 00-0017 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	95.84	
For Each Additional Meter In Length, Add		0.51
27 16 19 00-0018 Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0019 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	74.00	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0020 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	80.90	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0021 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	81.61	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0022 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	83.82	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0023 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	74.29	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0024 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.21	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0025 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	99.18	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0026 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	67.93	
For Each Additional Meter In Length, Add		1.48
27 16 19 00-0027 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	82.92	
For Each Additional Meter In Length, Add		1.48

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0028 Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0029 EA Simplex Fiber Optic Cable Pig Tail	85.42	42.86
27 16 19 00-0030 EA Duplex Fiber Optic Cable Pig Tail	110.47	42.86
27 16 19 00-0031 Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0032 EA 3' Category 5E Patch Cables With Boots.....	16.44	
27 16 19 00-0033 EA 5' Category 5E Patch Cables With Boots.....	17.97	
27 16 19 00-0034 EA 7' Category 5E Patch Cables With Boots.....	19.51	
27 16 19 00-0035 EA 10' Category 5E Patch Cables With Boots.....	28.38	
27 16 19 00-0036 EA 15' Category 5E Patch Cables With Boots.....	35.61	
27 16 19 00-0037 EA 25' Category 5E Patch Cables With Boots.....	47.25	
27 16 19 00-0038 EA 3' Category 6 Patch Cables With Boots	18.26	
27 16 19 00-0039 EA 5' Category 6 Patch Cables With Boots	22.14	
27 16 19 00-0040 EA 7' Category 6 Patch Cables With Boots	22.21	
27 16 19 00-0041 EA 10' Category 6 Patch Cables With Boots	26.54	
27 16 19 00-0042 EA 15' Category 6 Patch Cables With Boots	35.03	
27 16 19 00-0043 EA 25' Category 6 Patch Cables With Boots	44.10	
27 16 19 00-0044 EA 50' Category 6 Patch Cables With Boots	69.62	
27 16 19 00-0045 EA 100' Category 6 Patch Cables With Boots	121.59	
27 16 19 00-0046 EA 3' Category 6A Patch Cables With Boots.....	22.41	
27 16 19 00-0047 EA 5' Category 6A Patch Cables With Boots.....	23.76	
27 16 19 00-0048 EA 7' Category 6A Patch Cables With Boots.....	24.76	
27 16 19 00-0049 EA 10' Category 6A Patch Cables With Boots.....	29.34	
27 16 19 00-0050 EA 15' Category 6A Patch Cables With Boots.....	36.09	
27 16 19 00-0051 EA 25' Category 6A Patch Cables With Boots.....	44.76	
27 16 19 00-0052 EA 50' Category 6A Patch Cables With Boots.....	64.22	
27 16 19 00-0053 EA 100' Category 6A Patch Cables With Boots.....	112.24	
27 16 19 00-0054 EA 3' Category 5E Patch Cables With Plastic Arch.....	16.44	
27 16 19 00-0055 EA 5' Category 5E Patch Cables With Plastic Arch.....	17.97	
27 16 19 00-0056 EA 7' Category 5E Patch Cables With Plastic Arch.....	19.51	
27 16 19 00-0057 EA 10' Category 5E Patch Cables With Plastic Arch.....	28.38	
27 16 19 00-0058 EA 15' Category 5E Patch Cables With Plastic Arch.....	35.61	
27 16 19 00-0059 EA 25' Category 5E Patch Cables With Plastic Arch.....	47.25	
27 16 19 00-0060 EA 3' Category 6 Patch Cables With Plastic Arch	18.26	
27 16 19 00-0061 EA 5' Category 6 Patch Cables With Plastic Arch	22.14	
27 16 19 00-0062 EA 7' Category 6 Patch Cables With Plastic Arch	22.21	
27 16 19 00-0063 EA 10' Category 6 Patch Cables With Plastic Arch	26.54	
27 16 19 00-0064 EA 15' Category 6 Patch Cables With Plastic Arch	35.03	
27 16 19 00-0065 EA 25' Category 6 Patch Cables With Plastic Arch.....	44.10	
27 16 19 00-0066 EA 3' Category 6A Patch Cables With Plastic Arch.....	34.04	
27 16 19 00-0067 EA 5' Category 6A Patch Cables With Plastic Arch.....	36.34	
27 16 19 00-0068 EA 7' Category 6A Patch Cables With Plastic Arch.....	38.07	
27 16 19 00-0069 EA 10' Category 6A Patch Cables With Plastic Arch.....	43.72	
27 16 19 00-0070 EA 15' Category 6A Patch Cables With Plastic Arch.....	53.10	
27 16 19 00-0071 EA 25' Category 6A Patch Cables With Plastic Arch.....	67.96	
27 16 19 00-0072 Cross Connect Wire <small>(27 16 19)</small>		
Note: Up to 20' length.		
27 16 19 00-0073 EA 2-Pair Cross Connect Wire	19.38	
27 16 19 00-0074 EA 3-Pair Cross Connect Wire	25.94	
27 16 19 00-0075 EA 4-Pair Cross Connect Wire	32.43	
27 20 Data Communications <small>(27)</small>		
27 21 Data Communications Network Equipment <small>(27 20)</small>		
Note: Includes testing of new devices and certification.		
27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems		
<small>(27 21)</small>		
27 21 16 00-0001 Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002 EA Fiber Optic Modems, Range 6.2 Miles.....	1,959.30	244.89
27 21 16 00-0003 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel	3,796.21	244.89
27 21 16 00-0004 Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005 EA 16 Port Managed Hub With Fiberport And Standard Management.....	4,113.58	184.11
27 21 16 00-0006 EA 16 Port Unmanaged Hub	617.37	122.74
27 21 16 00-0007 EA 12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,672.41	122.74
27 21 16 00-0008 EA Power Supply (Cisco PWR-IE170W-PC-AC).....	1,678.28	61.37
27 21 16 00-0009 Network Equipment <small>(27 21 16)</small>		
27 21 16 00-0010 Communications Entrance Protection <small>(27 21 16 00-0009)</small>		



Communications	27	27
Data Communications	27 20	
Data Communications Network Equipment	27 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0011 EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,170.39	92.05
Note: Excludes terminations.		
27 21 16 00-0012 EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S).....	14.10	1.23
27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures (27 21 16 00-0009)		
27 21 16 00-0014 EA 19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	1,422.93	92.05
For Fan Kit (Chatsworth 12804-701), Add	199.00	
27 21 16 00-0015 EA 10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,305.54	6.13
27 21 16 00-0016 Communications Termination Blocks And Patch Panels (27 21 16 00-0009)		
27 21 16 00-0017 Communications Termination Blocks (27 21 16 00-0016)		
27 21 16 00-0018 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	363.11	18.37
27 21 16 00-0019 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	337.84	18.37
27 21 16 00-0020 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	811.59	18.37
27 21 16 00-0021 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	754.75	18.37
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535593).....	112.95	18.37
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107535585).....	122.14	18.37
27 21 16 00-0024 EA 110 Connector System Mounting Brackets (CommScope 107098816).....	139.32	18.37
27 21 16 00-0025 Communications Copper Patch Panels (27 21 16 00-0016)		
Note: Excludes cabinet and terminations.		
27 21 16 00-0026 EA 24 Port, Category 5E Patch Panel (CommScope 108208919).....	357.30	39.89
27 21 16 00-0027 EA 48 Port, Category 5E Patch Panel (CommScope 108208935).....	653.23	49.10
27 21 16 00-0028 EA 24 Port, Category 6 Patch Panel (CommScope 760062372).....	530.44	39.89
27 21 16 00-0029 EA 48 Port, Category 6 Patch Panel (CommScope 760062380).....	992.30	49.10
27 21 16 00-0030 Communications Optical Fiber Patch Panels (27 21 16 00-0016)		
27 21 16 00-0031 Closet Connector Housings (27 21 16 00-0030)		
27 21 16 00-0032 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	512.78	24.55
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	600.48	24.55
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	751.69	24.55
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0035 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	128.52	12.27
27 21 16 00-0036 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	175.03	12.27
27 21 16 00-0037 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	144.94	12.27
27 21 16 00-0038 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	190.06	12.27
27 21 16 00-0039 Communications Cable Management (27 21 16 00-0009)		
27 21 16 00-0040 Horizontal Communication Cable Management (27 21 16 00-0039)		
27 21 16 00-0041 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	160.25	24.55
27 21 16 00-0042 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	166.01	24.55
27 21 16 00-0043 Vertical Communication Cable Management (27 21 16 00-0039)		
27 21 16 00-0044 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	997.05	61.37
27 21 16 00-0045 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	1,034.34	61.37
27 21 16 00-0046 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	1,118.24	61.37
27 21 16 00-0047 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0009)		
27 21 16 00-0048 Premise Cross-Connect Wire (27 21 16 00-0047)		
27 21 16 00-0049 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	1.27	0.61
27 21 16 00-0050 Pathways For Communications Systems (27 21 16 00-0009)		
27 21 16 00-0051 Conduits And Backboxes For Communication Systems (27 21 16 00-0050)		
27 21 16 00-0052 Flexible Conduit For Communication Systems (27 21 16 00-0051)		
27 21 16 00-0053 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlou DF4X1C).....	551.77	220.40
27 21 16 00-0054 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlou CF4X1C).....	853.03	220.40
27 21 16 00-0055 Tube Cables For Communication Systems (27 21 16 00-0051)		
27 21 16 00-0056 Outdoor/All-Dielectric Tube Cables (27 21 16 00-0055)		
27 21 16 00-0057 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	443.07	146.93
27 21 16 00-0058 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	666.26	183.66
27 21 16 00-0059 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	1,120.02	220.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0060			Indoor/Riser Rated Tube Cables (27 21 16 00-0055)		
27 21 16 00-0061	CLF		Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	511.66	146.93
27 21 16 00-0062	CLF		Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	628.02	165.30
27 21 16 00-0063	CLF		Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	713.89	183.66
27 21 16 00-0064	CLF		Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,335.35	220.40
27 21 16 00-0065			Indoor/Plenum Rated Tube Cables (27 21 16 00-0055)		
27 21 16 00-0066	CLF		Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX).....	368.75	146.93
27 21 16 00-0067	CLF		Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	544.06	146.93
27 21 16 00-0068	CLF		Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	849.06	165.30
27 21 16 00-0069	CLF		Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2).....	1,245.54	183.66
27 21 16 00-0070	CLF		Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2).....	3,936.40	220.40
27 21 16 00-0071			Unjacketed Single Tube Cables (27 21 16 00-0055)		
27 21 16 00-0072	CLF		Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	315.39	146.93
27 21 16 00-0073			Multimode Fiber Bundles (27 21 16 00-0055) Note: Includes optical fiber cables.		
27 21 16 00-0074	CLF		2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6).....	138.26	44.08
27 21 16 00-0075	CLF		4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6).....	212.57	44.08
27 21 16 00-0076	CLF		6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6).....	292.61	44.08
27 21 16 00-0077	CLF		12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6).....	536.51	44.08
27 21 16 00-0078	CLF		18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6).....	779.32	51.43
27 21 16 00-0079	CLF		24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6).....	1,023.23	51.43
27 21 16 00-0080			Singlemode Fiber Bundles (27 21 16 00-0055) Note: Includes optical fiber cables.		
27 21 16 00-0081	CLF		2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX).....	123.01	44.08
27 21 16 00-0082	CLF		4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX).....	155.41	44.08
27 21 16 00-0083	CLF		6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX).....	182.09	44.08
27 21 16 00-0084	CLF		12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX).....	233.53	44.08
27 21 16 00-0085	CLF		18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX).....	360.11	51.43
27 21 16 00-0086	CLF		24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX).....	476.34	51.43
27 21 16 00-0087			Tube Distribution Cabinets (27 21 16 00-0055)		
27 21 16 00-0088	EA		Modular Tube Distribution Cabinet (Sumitomo DE06MDU)..... Note: Up to six 7-tube cables or two 19-tube cables.	270.93	61.37
27 21 16 00-0089			Modular Fiber Termination Cabinets (27 21 16 00-0055)		
27 21 16 00-0090	EA		24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM).....	345.65	61.37
27 21 16 00-0091	EA		48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM).....	369.28	61.37
27 21 16 00-0092			Tube Distribution Accessories (27 21 16 00-0055)		
27 21 16 00-0093	EA		Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA).....	14.92	6.13
27 21 16 00-0094	EA		Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2).....	16.58	6.13
27 21 16 00-0095	EA		Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB).....	20.84	6.13
27 21 16 00-0096			Communications Optical Fiber Cabling (27 21 16 00-0009)		
27 21 16 00-0097			Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0096)		
27 21 16 00-0098			Field Installed Fiber Connectors (27 21 16 00-0097)		
27 21 16 00-0099	EA		SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42).....	45.24	9.20
27 21 16 00-0100	EA		SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41).....	39.77	9.20
27 21 16 00-0101			Buffer Tube Fan-Out Kits (27 21 16 00-0097)		
27 21 16 00-0102			Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0101) Note: Includes 900 micron tubing.		
27 21 16 00-0103	EA		2-Fiber Breakout Kit (Sumitomo FTFLD02).....	267.76	122.44
27 21 16 00-0104	EA		4-Fiber Breakout Kit (Sumitomo FTFLD04).....	273.47	122.44
27 21 16 00-0105	EA		6-Fiber Breakout Kit (Sumitomo FTFLD06).....	278.52	122.44
27 21 16 00-0106	EA		12-Fiber Breakout Kit (Sumitomo FTFLD12).....	294.21	122.44
27 21 16 00-0107	EA		18-Fiber Breakout Kit (Sumitomo FTFLD18).....	315.66	122.44
27 21 16 00-0108	EA		24-Fiber Breakout Kit (Sumitomo FTFLD24).....	331.59	122.44
27 21 16 00-0109			Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0101)		
27 21 16 00-0110	EA		12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12).....	270.41	122.44
27 21 16 00-0111	EA		12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12).....	327.02	122.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 21 16 00-0112	Communications Copper Cabling (27 21 16 00-0009)	
27 21 16 00-0113	Copper Communications Cable Splicing And Terminations (27 21 16 00-0112)	
27 21 16 00-0114	Copper Communications Cable Splice Cases (27 21 16 00-0113)	
27 21 16 00-0115	EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,224.78
27 21 16 00-0116	EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,434.86
27 21 16 00-0117	EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,132.90

27 21 16 00-0118	Modular Splice Connectors (27 21 16 00-0113)	
27 21 16 00-0119	EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	132.63
27 21 16 00-0120	EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	130.36
27 21 16 00-0121	EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	132.68
27 21 16 00-0122	EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	132.36

27 21 26 Data Communications Network Management (27 21)

27 21 26 00-0001	Data Communications Network Management (27 21 26)	
27 21 26 00-0002	EA 3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	692.95
27 21 26 00-0003	EA 2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	532.02
27 21 26 00-0004	EA 4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	744.63
27 21 26 00-0005	EA 4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,170.96
27 21 26 00-0006	EA 24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	108.23
27 21 26 00-0007	EA Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	516.53
27 21 26 00-0008	EA Sennetech Code Translator (Pelco SCT_100_AD232)	858.60
27 21 26 00-0009	EA VPN Router (Cisco 819HG)	5,076.86
27 21 26 00-0010	EA Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,617.40
27 21 26 00-0011	EA WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	19,066.39
27 21 26 00-0012	EA SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	601.43
27 21 26 00-0013	EA Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,001.96
27 21 26 00-0014	EA Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	28,274.79
27 21 26 00-0015	EA Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	666.56
27 21 26 00-0016	EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	4,889.95
27 21 26 00-0017	EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,240.58
27 21 26 00-0018	EA 13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	75.58
27 21 26 00-0019	EA 1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	241.14
27 21 26 00-0020	EA Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS)	3,701.46
27 21 26 00-0021	EA SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	791.33
27 21 26 00-0022	EA North America AC Type A Power Cable (Cisco CAB-TA-NA)	25.03
27 21 26 00-0023	EA 350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	329.74
27 21 26 00-0024	EA Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	822.03
27 21 26 00-0025	EA 1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	120.27
27 21 26 00-0026	EA Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,390.28
27 21 26 00-0027	EA SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	794.50
27 21 26 00-0028	EA IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	703.26
27 21 26 00-0029	EA IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA)	714.34
27 21 26 00-0030	EA 4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,511.81
27 21 26 00-0031	EA Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	386.79
27 21 26 00-0032	EA 4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,819.13
27 21 26 00-0033	EA Router (CISCO IR829)	1,626.30

27 21 29 Data Communications Switches and Hubs (27 21)

27 21 29 00-0001	Data Communications Multimedia Modular Patch Panels (27 21 29)	
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.		
27 21 29 00-0002	EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	141.46
27 21 29 00-0003	EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	156.45
27 21 29 00-0004	EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	185.47
27 21 29 00-0005	EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	194.38
27 21 29 00-0006	EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	212.12
27 21 29 00-0007	EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	201.76
27 21 29 00-0008	EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	253.24
27 21 29 00-0009	EA Rack Mount Rear Cable Management Bar	67.07

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001	Data Communications Wireless Access Points (27 21 33)	
27 21 33 00-0002	EA Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	4,990.96
27 21 33 00-0003	EA Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	11,998.52
27 21 33 00-0004	EA Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	11,998.52
27 21 33 00-0005	EA Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,949.66

27	Communications
27 20	Data Communications
27 21	Data Communications Network Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21	33	00-0006	EA Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	2,290.23	206.80
27 21	33	00-0007	EA Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	6,418.80	206.80
27 21	33	00-0008	EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	9,755.76	206.80
27 21	33	00-0009	EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	9,755.76	206.80
27 21	33	00-0010	EA 50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	2,000.49	68.93
27 21	33	00-0011	EA 100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	2,028.51	68.93
27 21	33	00-0012	EA Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	188.07	34.47
27 21	33	00-0013	EA FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,740.97	
27 21	33	00-0014	EA 1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	619.41	61.22
27 21	33	00-0015	EA Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	512.97	61.22
27 21	33	00-0016	EA Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	90.44	24.49
27 21	33	00-0017	EA AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	80.29	
27 21	33	00-0018	EA AirLink GX400 Power Cable (Sierra Wireless 2000380).....	46.76	
27 21	33	00-0019	EA Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	328.09	61.22
27 21	33	00-0020	EA Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	330.15	61.22
27 21	33	00-0021	EA 2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	451.62	61.37
27 21	33	00-0022	EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,143.55	92.05
27 21	33	00-0023	EA Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,463.91	92.05
27 21	33	00-0024	EA Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	81.60	18.37
27 21	33	00-0025	EA Yagi Antenna, 890-960 MHZ, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	309.53	68.93
27 21	33	00-0026	EA Andrew® Omni Antenna, 890-960 MHZ, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	1,019.18	68.93
27 21	33	00-0027	EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	5,021.20	61.37
27 21	33	00-0028	EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,548.83	61.22

27 30 Voice Communications ⁽²⁷⁾

27 32 Voice Communications Terminal Equipment ^(27 30)

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets ^(27 32)

27 32 13 00-0001 Interior Telephone Components ^(27 32 13)

27 32	13	00-0002	EA Solid State Exchange Unit With Power Supply.....	7,699.52	1,118.90
27 32	13	00-0003	EA Dial Telephone - Handset In Cabinet.....	926.33	91.47
27 32	13	00-0004	EA Elevator Cab Telephone With Trailer Cable.....	467.56	98.08
27 32	13	00-0005	EA Loud Ring Bell, 6".....	366.11	90.98
27 32	13	00-0006	EA Audio/Visual Indicator.....	468.14	85.71
27 32	13	00-0007	EA Administrative Telephone With Digital Display.....	488.30	76.89
27 32	13	00-0008	EA Processing Unit For 16 Station System.....	2,406.11	627.29
27 32	13	00-0009	EA Handset For 16 Station System.....	343.83	62.44
27 32	13	00-0010	EA Handset In Cabinet, For 16 Station System.....	465.78	84.25
27 32	13	00-0011	MLF 20 Conductor Unshielded Cable, #22.....	3,068.94	1,350.20
27 32	13	00-0012	EA Power Supply For 16 Station System.....	427.52	166.65
27 32	13	00-0013	EA Intercom Terminal Board.....	375.58	187.59
27 32	13	00-0014	EA Power Supply For Five Station System, 24 Volt DC.....	444.77	166.65
27 32	13	00-0015	EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	217.63	68.48
27 32	13	00-0016	EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	684.26	150.71
27 32	13	00-0017	EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	808.46	171.30
27 32	13	00-0018	EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	980.80	202.73
27 32	13	00-0019	EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	1,158.70	219.19
27 32	13	00-0020	EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	1,812.24	249.39
27 32	13	00-0021	EA Ring Rung 3".....	13.27	6.83
27 32	13	00-0022	EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	33.35	12.12
27 32	13	00-0023	EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	60.38	24.85

27 32 13 00-0024 Interior Telephone Accessories ^(27 32 13)

27 32	13	00-0025	EA Blank Telephone Receptacle, Exposed Devices - Complete.....	13.69	6.61
27 32	13	00-0026	EA 4-Pin Telephone Receptacle, Exposed Devices - Complete.....	29.78	25.46
27 32	13	00-0027	EA Dual Flush Mounted, Level 5, RJ-45 Jack, Complete.....	73.66	27.98
27 32	13	00-0028	EA Wall Mount, Level 5, RJ-45 Jack, Complete.....	69.72	27.98
27 32	13	00-0029	EA Terminating Strips, Inside.....	141.41	55.94
27 32	13	00-0030	EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	62.09	28.77
27 32	13	00-0031	EA Ready Access Closure 3 To 25 Pair.....	170.89	67.47
27 32	13	00-0032	EA Ready Access Closure 25 To 100 Pair.....	199.89	75.43
27 32	13	00-0033	EA Termination Block With Bracket 25 Pair.....	64.64	22.65
27 32	13	00-0034	EA RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	60.96	28.40
27 32	13	00-0035	EA Interior Protected Terminal 25 Pair.....	737.03	163.59
27 32	13	00-0036	EA Interior Protected Terminal 50 Pair.....	874.03	166.16
27 32	13	00-0037	EA Pedestal 6" x 6" x 50" 3 To 100 Pair.....	293.46	68.08
27 32	13	00-0038	EA Pedestal 8" x 8" x 50" 100 To 300 Pair.....	302.90	68.08
27 32	13	00-0039	EA Pedestal 10" x 10" x 43" 300 To 600 Pair.....	400.02	87.06
27 32	13	00-0040	EA Pedestal 10" x 16" x 43" 600 To 1200 Pair.....	830.31	156.85
27 32	13	00-0041	EA Entrance Protector Terminal 100 Pair.....	1,149.30	179.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 32 13 00-0042	EA	Gas Protection Module	17.78	6.12
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	30.88	5.59

27 32 26 Ring-Down Emergency Telephones (27 32)

27 32 26 00-0001 Emergency Telephone (27 32 26)				
Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.				
27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	11,495.57	502.82
Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.				
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	12,095.00	502.82
Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.				
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	199.81	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K).....	299.72	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	749.29	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2).....	1,019.03	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K).....	1,118.94	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	19.98	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	19.98	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	179.83	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,898.20	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	879.17	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,847.30	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option.....	5,984.32	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.				
27 32 26 00-0016	EA	Active Venting Code Blue Option.....	319.70	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option	2,787.36	
Note: Requires 120V AC external power supplied to Code Blue unit.				
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	699.34	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option	1,588.49	
Note: Excludes camera.				
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	69.93	

27 32 26 00-0021 City Police Call System (27 32 26)

27 32 26 00-0022 Components (27 32 26 00-0021)				
27 32 26 00-0023	EA	City Police Call System.....	894.94	142.77
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	795.57	206.81

27 40 Audio-Video Communications (27)

27 41 Audio-Video Systems (27 40)

27 41 16 Integrated Audio-Video Systems and Equipment (27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System (27 41 16)				
See CSI section 26 05 13 16-0001 for basic wiring, 26 05 19 16-0309 for basic wiring.				
27 41 16 00-0002 Mounted Television Support (27 41 16 00-0001)				
27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20".....	491.28	137.47
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	636.55	153.42
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27".....	513.47	137.47
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	658.73	153.42
27 41 16 00-0007	EA	Wall Mounted Television Support, 13".....	389.44	110.47
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack.....	534.69	122.74
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20".....	418.55	110.47
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	563.80	122.74
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27".....	447.66	110.47
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	592.91	122.74
27 41 16 00-0013 Distribution System (27 41 16 00-0001)				
See CSI section 26 05 13 16-0001 for wire and cabling.				
27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)				
27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,749.47	225.18
27 41 16 00-0016	EA	Switch And Pilot Light.....	267.01	100.04
27 41 16 00-0017	LF	Surface Raceway With Outlets	31.82	13.59

27 Communications
27 40 Audio-Video Communications
27 41 Audio-Video Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0018	EA		Service Label.....	37.54	18.73
27 41 16 00-0019			Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020	EA		Head End Amplifier.....	1,167.20	149.87
27 41 16 00-0021			UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022	EA		UHF In-Line Booster.....	676.69	149.87
27 41 16 00-0023			Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024	EA		VHF Preamplifier.....	849.41	149.87
27 41 16 00-0025	EA		UHF Preamplifier.....	676.69	149.87
27 41 16 00-0026			Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027	EA		Common Power Supply.....	1,213.44	214.15
27 41 16 00-0028			Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029	EA		Line Splitter.....	102.42	49.95
27 41 16 00-0030	EA		Two-Way Splitter.....	116.17	49.95
27 41 16 00-0031	EA		Frequency Filter.....	260.68	75.06
27 41 16 00-0032	EA		Line Splitter And Mixer.....	312.87	110.20
27 41 16 00-0033			Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034	EA		120-Volt Power Supply Line Filter.....	508.81	100.04
27 41 16 00-0035			Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036	EA		Wall Box With Lockable Cover, Excluding Outlet Plug.....	260.68	75.06
27 41 16 00-0037	EA		TV Receiver Outlet Plug.....	116.17	49.95
27 41 16 00-0038	EA		TV Camera Outlet Plug.....	116.17	49.95
27 41 16 00-0039	EA		Audio Outlet Plug.....	98.94	49.95
27 41 16 00-0040	EA		12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	206.55	100.04
27 41 16 00-0041	EA		Male Plug PL-259.....	116.17	49.95
27 41 16 00-0042	EA		Wall Box And Receiver Outlet Television Outlets.....	136.09	52.40
27 41 33			Master Antenna Television Systems (27 41)		
27 41 33 00-0001			Antenna Systems (27 41 33)		
27 41 33 00-0002			Antenna (27 41 33 00-0001)		
27 41 33 00-0003	EA		Amateur Radio Antenna.....	1,103.61	183.66
27 41 33 00-0004	EA		Multi-Band Radio Antenna.....	856.18	183.66
27 41 33 00-0005			Receptacles (27 41 33 00-0001)		
27 41 33 00-0006	EA		Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	243.43	75.06
27 41 33 00-0007	EA		Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	243.43	75.06
27 50 Distributed Communications and Monitoring Systems (27)					
27 51 Distributed Audio-Video Communications Systems (27 50)					
27 51 17 Video Intercom and Exterior Gate Control System (27 51)					
27 51 17 00-0001 Video Intercom And Exterior Gate Control System (27 51 17)					
27 51 17 00-0002	EA		Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW).....	1,523.05	153.42
27 51 17 00-0003	EA		Audio Video Master Control Station (Aiphone AX-8MV).....	1,224.53	153.42
27 51 17 00-0004	EA		16-call Add-on Selector For AX Masters (Aiphone AX-16SW).....	514.17	153.42
27 51 17 00-0005	EA		Central Exchange Unit (Aiphone AX-084C).....	1,451.16	76.72
27 51 17 00-0006	EA		Central Exchange Unit (Aiphone AX-248C).....	1,977.71	76.72
27 51 17 00-0007	EA		Touch Tone Programmable Dialer (Viking K-1900-5).....	149.18	30.68
27 51 17 00-0008	EA		Surface Mount Audio/Video Door Station (Aiphone IX-DV).....	1,046.03	30.68
27 51 17 00-0009	EA		Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF).....	1,437.88	30.68
27 51 17 00-0010	EA		Surface Mount Audio/Video Door Station (Aiphone AX-DV).....	466.30	30.68
27 51 17 00-0011	EA		Flush Mount Audio/Video Door Station (Aiphone AX-DVF).....	525.73	30.68
27 51 17 00-0012	EA		12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL).....	142.62	15.35
			Note: UL Listed		
27 51 17 00-0013	EA		24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL).....	155.07	15.35
			Note: UL Listed		
27 51 17 00-0014	EA		IP Video Master Station (Aiphone IX-MV).....	1,859.89	153.42
27 51 17 00-0015	EA		Handset Only For IX-MV (Aiphone 285999).....	63.65	6.13
27 51 17 00-0016	EA		Hands Free Sub Master Video Monitor (Aiphone JF-2HD).....	789.19	153.42
27 51 17 00-0017	EA		Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P).....	748.24	30.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 17 00-0018 EA Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF).....	227.21	30.68
27 51 17 00-0019 EA Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	253.48	30.68
27 51 17 00-0020 EA Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	310.42	46.03
27 51 17 00-0021 EA Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880).....	69.12	15.35

27 51 43 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers (27 51 43)

27 51 43 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	558.97	122.74
27 51 43 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	793.96	122.74
27 51 43 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	944.80	122.74
27 51 43 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	1,052.42	122.74
27 51 43 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	1,313.20	122.74
27 51 43 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	1,703.16	122.74
27 51 43 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	67.47	6.13

27 51 43 00-0009 Splitters (27 51 43)

27 51 43 00-0010 EA 24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,407.53	91.83
27 51 43 00-0011 EA 1-in/11-out Splitter (Doug Fleenor DMX)	3,073.30	91.83

27 51 43 00-0012 Speakers (27 51 43)

27 51 43 00-0013 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	216.37	32.82
27 51 43 00-0014 EA 8" Steel Baffle (Atlas Sound 51-8).....	69.84	6.12
27 51 43 00-0015 EA T-Bar Support (Atlas Sound EZ95-8).....	78.05	6.12
27 51 43 00-0016 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	122.03	6.12
27 51 43 00-0017 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	112.48	11.02

27 51 43 00-0018 Accessories (27 51 43)

27 51 43 00-0019 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	329.10	15.35
27 51 43 00-0020 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	740.50	15.35
27 51 43 00-0021 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A)	186.23	30.68
27 51 43 00-0022 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	346.26	30.68
27 51 43 00-0023 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	252.65	30.61
27 51 43 00-0024 EA Microphone Jack For Audio/Video System	116.10	30.68
27 51 43 00-0025 EA Terminal Cabinet For Audio/Video System (Atlas 121-18)	988.68	122.74
27 51 43 00-0026 EA Volume Control For Audio/Video System (Bogen AT10A).....	110.92	30.68
27 51 43 00-0027 EA Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	77.35	30.68

27 51 43 00-0028 Removal And Reinstallation Of Speakers (27 51 43)

Note: Includes storage, cleaning and supply materials.

27 51 43 00-0029 EA Removal And Reinstallation Of Ceiling Mounted Speaker.....	171.42	
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27 52 Healthcare Communications and Monitoring Systems (27 50)

27 52 23 Nurse Call/Code Blue Systems (27 52)

27 52 23 00-0001 Wireless Equipment Nurses Call Systems (27 52 23)

Note: Includes all mounting hardware, batteries, cable and connections. Teletronic.

27 52 23 00-0002 Wireless Nurses Call System (27 52 23 00-0001)

27 52 23 00-0003 EA NurseCall Main Unit (Rechargeable Battery Included); NCM2	8,487.49	
27 52 23 00-0004 EA NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	9,405.00	
27 52 23 00-0005 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,006.53	
27 52 23 00-0006 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2.....	4,855.81	
27 52 23 00-0007 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,367.31	
27 52 23 00-0008 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	3,878.67	
27 52 23 00-0009 EA Resident Bed Station With Relay; N45	1,014.63	
27 52 23 00-0010 EA Bed Push Button For Use With N45 (9'); RB13-9	491.02	
27 52 23 00-0011 EA Pull Cord Replacement For S35; S35PC.....	33.32	
27 52 23 00-0012 EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S.....	716.70	
27 52 23 00-0013 EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	716.70	
27 52 23 00-0014 EA Remote Reset Button; S35R	695.63	
27 52 23 00-0015 EA Waterproof Wrist Transmitter (Automatic Supervision); S37.....	488.02	
27 52 23 00-0016 EA Wrist Band Replacement For S37; S37WB	42.34	
27 52 23 00-0017 EA Locate 1 Waterproof Wrist Transceiver; S37L	599.36	
27 52 23 00-0018 EA Locate 1 Beacon; IS75	1,911.12	
27 52 23 00-0019 EA Wireless Smoke Detector Transmitter; SD35	1,216.86	
27 52 23 00-0020 EA Wireless Door Contact Transmitter; RAC35	943.01	
27 52 23 00-0021 EA Wireless Time Controlled Door Contact; RAC45	943.01	
27 52 23 00-0022 EA Local Receiver With Relay (110 Volt AC); LE9	1,171.72	
27 52 23 00-0023 EA Voice Response Unit (Rechargeable Battery Included); S10	1,994.47	
27 52 23 00-0024 EA Alarm Receiving Unit (Rechargeable Battery Included); ARU	3,971.60	
27 52 23 00-0025 EA NurseCall Programming Software; NPS	11,173.31	

27	Communications
27 50	Distributed Communications and Monitoring Systems
27 52	Healthcare Communications and Monitoring Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0026 EA NurseCall Printer Interface; NCPI.....	3,787.02	
27 52 23 00-0027 EA NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	19,720.01	
27 52 23 00-0028 EA 9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	87.59	
27 52 23 00-0029 EA 6V Lithium Battery (Replacement For S35 And RAC35); LIT6	78.56	
27 52 23 00-0030 EA 9V Alkaline Battery (Replacement For N45); ALK9	36.43	
27 52 23 00-0031 EA Giant LED Single Sided Display; NCGD	19,475.03	
27 52 23 00-0032 EA Serial Printer; NCSP	2,014.87	
27 52 23 00-0033 EA Modular Duplex T-Adapter (Replacement For S10); SE-486A	39.33	
27 52 23 00-0034 EA AC Adapter (Replacement For S10); STA-4110A.....	75.45	
27 52 23 00-0035 EA S10 Phone Cord (Replacement For S10); STC	39.33	
27 52 23 00-0036 EA Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	8,609.30	
27 52 23 00-0037 EA Waveware Pagers; DAP-040	1,213.84	
27 52 23 00-0038 Wireless Nurses Call Tele/Management System (27 52 23 00-0001)		
27 52 23 00-0039 EA Tele/Management Unit; TP12.....	4,685.26	
27 52 23 00-0040 EA Tele/Management Software; TP12S.....	4,569.40	
27 52 23 00-0041 Wireless Nurses Call Paging System (27 52 23 00-0001)		
27 52 23 00-0042 EA Standard Paging System (2.5 Watt Transmitter); RPE673	13,923.86	
27 52 23 00-0043 EA Removal And Replacement Of Antenna For RPE673; RPE673AN	977.07	
27 52 23 00-0044 EA Removal And Replacement Of Power For RPE673; RPE673PS.....	1,320.14	
27 52 23 00-0045 EA Alphanumeric Pager; RPR583.....	1,618.07	
27 52 23 00-0046 EA Removal And Replacement Of Holster For RPR583; RPR583H	87.68	
27 52 23 00-0047 Equipment Nurses Call Systems (27 52 23)		
27 52 23 00-0048 EA Nurses Call System, Page/Talk Relay Intercommunication Equipment.....	293.72	63.67
27 52 23 00-0049 EA Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,202.15	254.69
27 52 23 00-0050 EA Nurses Call System, Re-Entrant Horn Intercommunication Equipment	307.91	83.26
27 52 23 00-0051 EA Nurses Call System, Nurses Control Station Intercommunication Equipment.....	1,495.96	244.89
27 52 23 00-0052 EA Nurses Call System, Duty Station Intercommunication Equipment.....	762.30	191.02
27 52 23 00-0053 EA Nurses Call System, Staff Station Intercommunication Equipment.....	404.42	63.67
27 52 23 00-0054 EA Nurses Call System, Single Bedside Station Intercommunication Equipment	382.55	63.67
27 52 23 00-0055 EA Nurses Call System, Double Bedside Station Intercommunication Equipment.....	582.68	111.43
27 52 23 00-0056 EA Nurses Call System, Emergency Call Button Intercommunication Equipment.....	172.29	48.98
27 52 23 00-0057 EA Nurses Call System, Pull Cord Button Intercommunication Equipment	158.21	48.98
27 52 23 00-0058 EA Nurses Call System, Single Dome Light Intercommunication Equipment.....	114.83	31.83
27 52 23 00-0059 EA Nurses Call System, Double Dome Light Intercommunication Equipment.....	166.27	48.98
27 52 23 00-0060 EA Nurses Call System, Pillow Speaker Intercommunication Equipment.....	260.15	31.83
27 52 23 00-0061 EA Nurses Call System, Cord Set Intercommunication Equipment.....	125.43	31.83
27 52 23 00-0062 EA Nurse Call System, Master-20 Station	6,569.99	244.89
27 52 23 00-0063 EA Dukane Duty Station - Tone Only, PC1000	1,055.30	191.14
27 53 Distributed Systems (27 50)		
27 53 13 Clock Systems (27 53)		
27 53 13 13 Wireless Clock Systems (27 53 13)		
27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) (27 53 13 13)		
27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) (27 53 13 13-0001)		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0003 EA Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1	8,045.61	91.83
27 53 13 13-0004 EA Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,508.08	91.83
27 53 13 13-0005 EA Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1).....	4,577.10	91.83
27 53 13 13-0006 EA Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	5,039.57	91.83
27 53 13 13-0007 EA NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,165.40	
27 53 13 13-0008 Wireless Repeaters (Sapling) (27 53 13 13-0001)		
27 53 13 13-0009 EA Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1).....	1,966.81	61.22
27 53 13 13-0010 EA Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1).....	2,203.55	61.22
27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series) (27 53 13 13-0001)		
Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012 EA Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0).....	425.74	30.61
27 53 13 13-0013 EA Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0).....	268.86	30.61
27 53 13 13-0014 EA Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0).....	509.07	30.61
27 53 13 13-0015 EA Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0).....	303.47	30.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0016				Wireless GPS Accesories (Sapling) <small>(27 53 13 13-0001)</small>		
				27 53 13 13-0017 EA GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1).....	83.80	24.49
				27 53 13 13-0018 EA Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1).....	118.62	24.49
				27 53 13 13-0019 EA GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1).....	1,021.15	53.57
				27 53 13 13-0020 EA GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1).....	1,814.89	76.53
				27 53 13 13-0021 EA GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1).....	635.43	6.12
27 53 13 13-0022				2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) <small>(27 53 13 13)</small>		
				Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Minimum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Minimum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
				27 53 13 13-0023 EA 3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R).....	1,346.78	91.83
				Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
				27 53 13 13-0024 EA 3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R).....	1,377.52	91.83
				Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
				27 53 13 13-0025 EA 3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R).....	1,649.68	91.83
				Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
				27 53 13 13-0026 EA 3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R).....	1,680.42	91.83
				Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.		
				27 53 13 13-0027 EA Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0).....	181.18	24.49
				27 53 13 13-0028 EA Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0).....	181.18	24.49
				27 53 13 13-0029 EA Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP).....	31.65	
				27 53 13 13-0030 EA USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1).....	255.40	3.06
				27 53 13 13-0031 EA Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0).....	510.79	6.12
				27 53 13 13-0032 EA Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0).....	93.17	3.06
				27 53 13 13-0033 EA Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1).....	18.63	0.61
				27 53 13 13-0034 EA Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0).....	116.70	6.12
27 53 13 13-0035				2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) <small>(27 53 13 13)</small>		
				Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
				27 53 13 13-0036 EA Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1).....	6,678.11	91.83
				27 53 13 13-0037 EA Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1).....	9,190.81	91.83
				27 53 13 13-0038 EA Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0).....	2,947.56	61.22
				27 53 13 13-0039 EA Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1).....	1,692.87	61.22
				27 53 13 13-0040 EA NTP Server Upgrade (Sapling SMA-000-SERV-0).....	3,165.40	
				27 53 13 13-0041 EA Countdown Feature Upgrade (Sapling SMA-000-CDDW-0).....	1,566.87	
27 53 13 13-0042				Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) <small>(27 53 13 13)</small>		
				Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant between the cover and wall is recommended.		
				27 53 13 13-0043 EA Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12).....	429.45	15.31
				27 53 13 13-0044 EA Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25).....	429.45	15.31
27 53 13 13-0045				Wire Guards For Wireless Synchronized Clocks (Sapling) <small>(27 53 13 13)</small>		
				27 53 13 13-0046 EA Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200).....	237.79	15.31
				27 53 13 13-0047 EA Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017).....	331.21	15.31
27 53 13 13-0048				Wireless Synchronized Clock Transmitters <small>(27 53 13 13)</small>		
27 53 13 13-0049				Analog, Wireless Synchronized Clocks (Primex Traditional Series) <small>(27 53 13 13-0048)</small>		
				27 53 13 13-0050 EA 12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	331.72	30.61
				For >100 To 250, Deduct		-57.84
				For >250, Deduct		-68.66
				27 53 13 13-0051 EA 12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock.....	602.21	30.61
				For >100 To 250, Deduct		-38.91
				For >250, Deduct		-47.02
				27 53 13 13-0052 EA 16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	387.68	30.61
				For >100 To 250, Deduct		-67.92
				For >250, Deduct		-80.97

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0053	EA		12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	378.35 -66.24 -78.92	30.61
27 53 13 13-0054	EA		12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	695.49 -44.04 -53.55	30.61
27 53 13 13-0055	EA		16", Electric, Single Sided, Analog, Wireless Synchronized Clock <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	434.32 -50.19 -65.12	30.61
27 53 13 13-0056			Digital, Wireless Synchronized Clocks (Primex Digital Series) (27 53 13 13-0048)		
27 53 13 13-0057			4-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)		
27 53 13 13-0058	EA		2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	490.28 42.91 -43.48 -64.93	30.61
27 53 13 13-0059	EA		2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	919.35 85.81 -94.97 -240.85	30.61
27 53 13 13-0060	EA		4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	546.25 48.50 -30.98 -45.53	30.61
27 53 13 13-0061	EA		4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	1,031.27 97.01 -86.76 -271.07	30.61
27 53 13 13-0062			6-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)		
27 53 13 13-0063	EA		2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	546.25 48.50 -35.83 -51.35	30.61
27 53 13 13-0064	EA		2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	1,031.27 97.01 -78.03 -183.76	30.61
27 53 13 13-0065	EA		2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock <i>For Green LED, Add</i> <i>For >100 To 250, Deduct</i> <i>For >250, Deduct</i>	639.52 57.83 -29.39 -43.85	30.61
27 53 13 13-0066			Wire Guards For Wireless Synchronized Clocks (27 53 13 13-0048)		
27 53 13 13-0067	EA		18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks.....	170.52	15.31
27 53 13 13-0068	EA		Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks.....	77.25	15.31
27 53 13 13-0069	EA		Digital Clock Wire Guard For 4" Wireless Synchronized Clocks.....	86.57	15.31
27 53 13 13-0070			Wireless Synchronized Clock Transmitters (27 53 13 13-0048) Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071	EA		Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)..... <i>For Roof Mounted GPS Receiver, Add</i>	3,718.76 536.57	91.83
27 53 13 13-0072	EA		External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E)..... Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection. <i>For Roof Mounted GPS Receiver, Add</i>	6,059.95 770.69	91.83
27 53 13 13-0073	EA		Repeater, Satellite Transmitter (Primex 14006)..... Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	3,657.54	61.22
27 53 13 13-0074			Accessories For Wireless Synchronized Clock Transmitters (27 53 13 13-0048)		
27 53 13 13-0075	EA		External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters.....	328.80	24.49
27 53 13 13-0076	EA		Transmitter Rack For Wireless Synchronized Clock Transmitters.....	145.99	24.49
27 53 13 13-0077	EA		Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters.....	221.17	12.24
27 53 13 13-0078	EA		50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	186.21	30.61
27 53 13 13-0079	EA		100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	259.72	45.92
27 53 13 13-0080	EA		200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	383.61	61.22
27 53 13 16			Wired Clock Systems (27 53 13)		
27 53 13 16-0001			Wired Self-Corrective Clock Systems (27 53 13 16)		
27 53 13 16-0002			Wired Self-Corrective Clocks (27 53 13 16-0001)		
27 53 13 16-0003			Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks <small>(27 53 13 16-0003)</small>		
27 53 13 16-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	282.28	30.61
For >50 To 100, Deduct	-18.00	
For >100, Deduct	-26.84	
27 53 13 16-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	676.83	30.61
For >50 To 100, Deduct	-33.78	
For >100, Deduct	-58.40	
27 53 13 16-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	355.03	30.61
For >50 To 100, Deduct	-23.84	
For >100, Deduct	-35.60	
27 53 13 16-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	895.09	30.61
For >50 To 100, Deduct	-92.54	
For >100, Deduct	-125.89	
27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks <small>(27 53 13 16-0003)</small>		
27 53 13 16-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	282.28	30.61
For >50 To 100, Deduct	-18.00	
For >100, Deduct	-26.84	
27 53 13 16-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	676.83	30.61
For >50 To 100, Deduct	-33.78	
For >100, Deduct	-58.40	
27 53 13 16-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	355.03	30.61
For >50 To 100, Deduct	-23.84	
For >100, Deduct	-35.60	
27 53 13 16-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	895.09	30.61
For >50 To 100, Deduct	-92.54	
For >100, Deduct	-125.89	
27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks <small>(27 53 13 16-0003)</small>		
27 53 13 16-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	233.48	15.31
27 53 13 16-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	58.59	15.31
27 53 13 16-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	74.69	15.31
27 53 13 16-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	91.48	15.31
27 53 13 16-0019 EA Combination Back Box For Speaker And Clock	158.54	24.49
27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) <small>(27 53 13 16-0002)</small>		
27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	349.44	30.61
For Surface Mount, Add	57.64	
For >50 To 100, Deduct	-17.29	
For >100, Deduct	-28.82	
27 53 13 16-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	539.72	30.61
For Surface Mount, Add	95.70	
For >50 To 100, Deduct	-28.71	
For >100, Deduct	-47.85	
27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	349.44	30.61
For Surface Mount, Add	57.64	
For >50 To 100, Deduct	-17.29	
For >100, Deduct	-28.82	
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	539.72	30.61
For Surface Mount, Add	95.70	
For >50 To 100, Deduct	-28.71	
For >100, Deduct	-47.85	
27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks		
<small>(27 53 13 16-0020)</small>		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	298.38	30.61
For >50 To 100, Deduct	-14.23	
For >100, Deduct	-23.72	
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	493.55	30.61
For >50 To 100, Deduct	-25.94	
For >100, Deduct	-43.23	
27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks		
<small>(27 53 13 16-0020)</small>		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	298.38	30.61
For >50 To 100, Deduct	-14.23	
For >100, Deduct	-23.72	
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	493.55	30.61
For >50 To 100, Deduct	-25.94	
For >100, Deduct	-43.23	

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks <small>(27 53 13 16-0020)</small>		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	318.83	15.31
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	75.38	15.31
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	104.76	15.31
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	278.25	15.31
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	77.49	15.31
27 53 13 16-0039 Wired Self-Corrective Master Clocks <small>(27 53 13 16-0001)</small>		
27 53 13 16-0040 Wired Self-Corrective Master Clocks <small>(27 53 13 16-0039)</small>		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	3,282.42	244.89
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	3,492.29	244.89
27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks <small>(27 53 13 16-0039)</small>		
27 53 13 16-0044 EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	334.42	61.22
27 53 13 16-0045 EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	378.48	61.22
27 53 13 16-0046 Other Clock And Program Systems <small>(27 53 13 16)</small>		
27 53 13 16-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,988.13	122.44
27 53 13 16-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,398.31	244.89
27 53 13 16-0049 EA Program Bell (Lathem 906-6).....	290.31	61.22
27 53 13 16-0050 EA Combination Clock And Speaker	658.28	153.05

END OF SECTION 27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security ⁽²⁸⁾

28 05 26 Grounding and Bonding for Electronic Safety and Security ^(28 05)

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security ^(28 05)

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control ⁽²⁸⁾

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices ^(28 10)

28 15 11 Integrated Credential Readers and Field Entry Management ^(28 15)

28 15 11 13 Keypads ^(28 15 11)

28 15 11 13-0001 Vindicator Security Alarm System ^(28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,653.52	255.30
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00	2,090.38	331.83
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01	11,551.48	727.32
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01	5,476.46	619.81
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,322.88	339.05

28 16 Access Control Interfaces ^(28 10)

28 16 11 Access Control Interfaces to Access Control Hardware ^(28 16)

28 16 11 00-0001 Stand Alone Access Controls ^(28 16 11)

28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls..... Note: Controls mount to a standard mullion.	143.65	30.61
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	150.51	30.61
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	190.01	30.61

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.				
28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	180.28	30.61
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls..... Note: Includes post, mounting base and push button control. Excludes concrete foundation.	868.25	91.83
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators..... Note: Includes open, close and stop controls.	293.04	30.61

28 16 11 00-0011 Key Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls ^(28 16 11 00-0011)

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	202.89	30.61
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28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls ^(28 16 11 00-0011)

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls..... Note: Opens door or gate with a postal or fire department key.	311.33	61.22
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....	493.36	61.22
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls.....	493.36	61.22
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	754.37	61.22

28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls ^(28 16 11 00-0019)

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	284.46	30.61
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28 Electronic Safety and Security

28 10 Access Control

28 16 Access Control Interfaces



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022			Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023			Keypad Controls, Exterior Stand Alone Access Controls (28 16 11 00-0022)		
28 16 11 00-0024	EA		1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls 1,189.35	1,189.35	122.44
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	212.50	
28 16 11 00-0025			Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls (28 16 11 00-0022)		
28 16 11 00-0026	EA		1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls 1,443.20	1,443.20	137.75
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	262.73	
28 16 11 00-0027			RF Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0028			Exterior Mount, RF Controls, Stand Alone Access Controls (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029			RF Receivers, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA		50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 708.53	708.53	122.44
28 16 11 00-0031	EA		100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 801.26	801.26	122.44
28 16 11 00-0032	EA		250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 890.56	890.56	122.44
28 16 11 00-0033	EA		500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 986.72	986.72	122.44
28 16 11 00-0034	EA		1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 1,076.01	1,076.01	122.44
28 16 11 00-0035	EA		5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 1,172.18	1,172.18	122.44
28 16 11 00-0036	EA		16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls 1,261.47	1,261.47	122.44
28 16 11 00-0037			RF Transmitters, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0038	EA		1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls 58.38	58.38	
			<i>For >40 To 110, Deduct</i>	-2.92	
			<i>For >110, Deduct</i>	-5.84	
			<i>For Built In Proximity Tags, Add</i>	11.68	
28 16 11 00-0039	EA		2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls 61.82	61.82	
			<i>For >40 To 110, Deduct</i>	-3.09	
			<i>For >110, Deduct</i>	-6.18	
			<i>For Built In Proximity Tags, Add</i>	12.36	
28 16 11 00-0040	EA		3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls 65.25	65.25	
			<i>For >40 To 110, Deduct</i>	-3.26	
			<i>For >110, Deduct</i>	-6.53	
			<i>For Built In Proximity Tags, Add</i>	13.05	
28 16 11 00-0041			Accessories For RF Receivers, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0042	EA		Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls 266.09	266.09	91.83
			Note: Includes 15' of coax cable.		
28 16 11 00-0043	EA		Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls 527.10	527.10	91.83
			Note: Includes 20' of coax cable.		
28 16 11 00-0044	EA		Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls 479.02	479.02	91.83
			Note: Includes 15' of coax cable.		
28 16 11 00-0045			Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0046			Exterior Mount, Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047			DKS Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0048			DKS Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0047)		
28 16 11 00-0049	EA		DKS Proximity Card Reader, Exterior Stand Alone Access Controls 1,361.07	1,361.07	122.44
28 16 11 00-0050			AWID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0051			AWID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0050)		
28 16 11 00-0052	EA		AWID Proximity Card Reader, Exterior Stand Alone Access Controls 1,481.27	1,481.27	122.44
28 16 11 00-0053			HID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0054			HID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0053)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,756.03	122.44
28 16 11 00-0056 Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0057 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
28 16 11 00-0058 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	811.57	122.44
28 16 11 00-0059 Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060 EA Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	1,005.50	122.44
28 16 11 00-0061 Other Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators	138.49	30.61
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063 EA Request To Exit Motion Detector (Bosch Security Systems DS160)	149.85	24.49
28 16 11 00-0064 Wiegand Output Access Controls (28 16 11)		
Note: Excludes controllers.		
28 16 11 00-0065 Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066 DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0067 DKS, Proximity Cards (28 16 11 00-0066)		
28 16 11 00-0068 EA Clamshell Type, DKS Proximity Card (DKS 170).....	9.14	
28 16 11 00-0069 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	15.07	
28 16 11 00-0070 EA DKS Proximity Key Fob (DKS 50).....	15.87	
28 16 11 00-0071 EA Active Tag, DKS Proximity Tag (DKS 150).....	89.75	
Note: Battery powered tag to boost signal.		
28 16 11 00-0072 EA Active Tag, DKS Proximity Tag (DKS 200).....	117.00	
Note: Battery powered tag to boost signal.		
28 16 11 00-0073 DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0066)		
28 16 11 00-0074 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	488.82	153.05
28 16 11 00-0075 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	488.82	153.05
28 16 11 00-0076 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	488.82	153.05
28 16 11 00-0077 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	1,344.67	153.05
Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078 AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0079 AWID, Proximity Cards (28 16 11 00-0078)		
28 16 11 00-0080 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	7.69	
28 16 11 00-0081 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.02	
28 16 11 00-0082 EA AWID Proximity Key Fob (AWID Prox-Linc KT)	12.82	
28 16 11 00-0083 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag	44.88	
28 16 11 00-0084 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	44.88	
28 16 11 00-0085 AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0078)		
28 16 11 00-0086 EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	594.60	153.05
Note: For mullion mounting.		
28 16 11 00-0087 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	825.39	153.05
Note: For mullion mounting.		
28 16 11 00-0088 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	825.39	153.05
Note: For single gang electrical box mounting.		
28 16 11 00-0089 EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	1,347.88	153.05
Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090 EA Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000).....	7,617.72	153.05
Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091 HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0092 HID, Proximity Cards (28 16 11 00-0091)		
28 16 11 00-0093 EA Clamshell Type, HID Proximity Card (HID ProxCard II).....	18.48	
28 16 11 00-0094 EA ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	24.25	
28 16 11 00-0095 EA HID Proximity Key Fob (HID ProxKey II)	24.89	

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096 HID, Proximity Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0091)</small>		
28 16 11 00-0097 EA Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	552.49	153.05
Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	652.04	153.05
Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	726.70	153.05
Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100 EA EntryProx Single-Door Proximity Access Control	928.29	153.05
Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0101 Contactless Smart Card Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0102 HID, Contactless Smart Cards <small>(28 16 11 00-0101)</small>		
28 16 11 00-0103 EA 2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	14.10	
28 16 11 00-0104 EA 16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	15.40	
28 16 11 00-0105 EA 16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	20.15	
28 16 11 00-0106 EA 16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card	10.91	
Note: Battery powered tag to boost signal.		
28 16 11 00-0107 HID, Contactless Smart Card Readers, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0108 EA Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10).....	560.48	153.05
Note: For mullion mounting.		
28 16 11 00-0109 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40).....	772.04	153.05
Note: For mullion mounting.		
28 16 11 00-0110 EA Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	1,248.05	153.05
Note: For mullion mounting.		
28 16 11 00-0111 HID, Contactless Smart Card Programmer, Wiegand Output Access Controls <small>(28 16 11 00-0101)</small>		
28 16 11 00-0112 EA HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400).....	3,925.28	153.05
Note: For mullion mounting.		
28 16 11 00-0113 Call Station Controls, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114 EA Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	1,542.49	153.05
Note: For mullion mounting.		
28 16 11 00-0115 EA Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls	1,284.91	153.05
Note: For mullion mounting.		
28 16 11 00-0116 Biometrics Readers, Wiegand Output Access Controls <small>(28 16 11 00-0064)</small>		
28 16 11 00-0117 EA Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	6,834.41	122.44
28 16 11 00-0118 EA CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	8,348.63	122.44
28 16 11 00-0119 EA Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	3,288.55	122.44
28 16 11 00-0120 EA Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	1,995.29	122.44
28 16 11 00-0121 EA Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	2,221.96	122.44
28 16 11 00-0122 EA Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	1,995.29	122.44
28 16 11 00-0123 Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11)</small>		
Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124 2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		
28 16 11 00-0125 EA 44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	457.48	45.01
Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	862.74	45.01
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	416.27	45.01
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0123)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 16 11 00-0129	EA		59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 815.50	815.50	54.00
				Note: Includes an 8" x 8" base plate.		
	28 16 11 00-0130	EA		49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 966.61	966.61	54.00
				Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
	28 16 11 00-0131	EA		Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 606.00	606.00	54.00
				Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
	28 16 11 00-0132			4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls^(28 16 11 00-0123)		
	28 16 11 00-0133	EA		59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 2,590.61	2,590.61	67.50
				Note: Includes a 11" x 13" base plate.		
	28 16 11 00-0134	EA		50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 2,710.81	2,710.81	67.50
				Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
	28 16 11 00-0135	EA		Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,148.16	1,148.16	22.50
				Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
	28 16 11 00-0136	EA		48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,800.69	1,800.69	67.50
	28 16 11 00-0137			Access Control Accessories^(28 16 11)		
	28 16 11 00-0138	EA		6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) 650.70	650.70	
	28 16 11 00-0139	EA		7 Amperes, 12 Volt, Battery 86.05	86.05	
	28 16 11 00-0140	EA		18 Amperes, 12 Volt, Battery 191.81	191.81	
	28 16 11 00-0141	EA		Door Personality Module (Sensormatic RM-4) 708.97	708.97	30.61
	28 16 11 00-0142	EA		Mini-Alert Door Ajar Sounder (System Sensor PA400) 286.09	286.09	61.22
	28 16 11 00-0143	EA		Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C) 86.17	86.17	36.73
	28 16 11 00-0144	EA		Access Control Systems Power Supply (Altronix AL400ULACMCB) 783.10	783.10	24.49
	28 16 11 00-0145	EA		Surge Suppressor (Tripp-Lite IBAR4) 118.03	118.03	6.13
	28 16 11 00-0146	EA		Door Strike Relay (Altronix RBSN-TTL) 81.62	81.62	24.49
	28 16 11 00-0147	EA		4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) 486.76	486.76	
				Note: Set in concrete.		
	28 16 11 00-0148	EA		16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16) 692.32	692.32	153.05
	28 16 11 00-0149			Access Controllers^(28 16 11)		
	28 16 11 00-0150			Microterm Controller^(28 16 11 00-0149)		
	28 16 11 00-0151	EA		Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100) 1,798.82	1,798.82	153.05
				Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
	28 16 11 00-0152	EA		Microterm PC Board (Continental Instruments CICIP1100PCB) 1,302.43	1,302.43	91.83
	28 16 11 00-0153	EA		Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2) 621.26	621.26	
				Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.		
	28 16 11 00-0154			Miniterm Controller^(28 16 11 00-0149)		
	28 16 11 00-0155	EA		Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200) 2,823.64	2,823.64	153.05
				Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
	28 16 11 00-0156	EA		Miniterm PC Board (Continental Instrument CICIP1200PCB) 2,140.05	2,140.05	91.83
	28 16 11 00-0157			Super-2 Controller^(28 16 11 00-0149)		
	28 16 11 00-0158	EA		Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) 2,086.85	2,086.85	153.05
				Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
	28 16 11 00-0159	EA		Super-Two - PC Board (Continental Instruments CICIP1300BD) 1,435.86	1,435.86	91.83
	28 16 11 00-0160	EA		Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD) 392.67	392.67	91.83
				Note: Optional on-board adapter allows for communication over TCP/IP.		
	28 16 11 00-0161			Smarterm Controller^(28 16 11 00-0149)		
	28 16 11 00-0162	EA		Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) 5,942.23	5,942.23	183.66
				Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
	28 16 11 00-0163	EA		Smarterm PC Board (Continental Instrument CICIP1400PCB) 4,581.60	4,581.60	91.83
	28 16 11 00-0164	EA		Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1) 1,778.68	1,778.68	91.83
				Note: Up to 10,000 cardholders.		
	28 16 11 00-0165	EA		Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1) 2,531.56	2,531.56	91.83
				Note: Up to 50,000 cardholders.		
	28 16 11 00-0166	EA		Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) 1,967.41	1,967.41	91.83
				Note: 16 Output relays, 8 alarm inputs.		
	28 16 11 00-0167	EA		Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB) 1,967.41	1,967.41	91.83
				Note: (Supervised) 16 alarm inputs.		
	28 16 11 00-0168			Superterm-4 Controller^(28 16 11 00-0149)		

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,482.80	183.66
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	4,504.37	91.83
28 16 11 00-0171 Superterm-8 Controller (28 16 11 00-0149)		
28 16 11 00-0172 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,291.30	306.11
28 16 11 00-0173 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,918.69	306.11
28 16 11 00-0174 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB)	6,067.98	91.83
28 16 11 00-0175 Turbo Superterm-4 Controller (28 16 11 00-0149)		
28 16 11 00-0176 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,482.80	183.66
28 16 11 00-0177 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB).....	4,504.37	91.83
28 16 11 00-0178 Turbo Superterm-8 Controller (28 16 11 00-0149)		
28 16 11 00-0179 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T)..... Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,291.30	306.11
28 16 11 00-0180 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,918.69	306.11
28 16 11 00-0181 EA Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	6,067.98	91.83
28 16 11 00-0182 EA Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)..... Note: Up to 140,000 cardholders.	2,531.56	91.83
28 16 11 00-0183 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)..... Note: Up to 140,000 cardholders.	2,130.01	91.83
28 16 11 00-0184 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB)..... Note: 16 Output relays, 8 alarm inputs.	1,969.43	91.83
28 16 11 00-0185 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB)..... Note: (Supervised) 16 Alarm inputs.	1,969.43	91.83
28 16 11 00-0186 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPWS)	804.74	
28 16 11 00-0187 Intelligent Controller (28 16 11 00-0149)		
28 16 11 00-0188 EA Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	1,409.79	91.83
28 16 11 00-0189 EA Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,431.16	153.05
28 16 11 00-0190 Access Control Bundled System (28 16 11)		
28 16 11 00-0191 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0)..... Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	39,821.71	
28 16 11 00-0192 Magnetic Locks (28 16 11) Note: Excludes access controls.		
28 16 11 00-0193 Magnetic Door Locks (28 16 11 00-0192)		
28 16 11 00-0194 300 LB Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0195 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	653.58	122.44
28 16 11 00-0196 600 LB Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0197 EA 600 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 86.50 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 173.01 For Mortise Mount, Deduct -138.41	936.92	122.44
28 16 11 00-0198 EA 600 LB, Dual Doors, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 144.67 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 289.35	1,402.28	122.44
28 16 11 00-0199 1,200 LB Magnetic Door Locks (28 16 11 00-0193)		
28 16 11 00-0200 EA 1,200 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 169.04 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 220.49	979.85	122.44
28 16 11 00-0201 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 287.53 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 375.04	1,495.01	122.44



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 16 11 00-0202				2,000 LB Shear Lock, Magnetic And Mechanical Locks <small>(28 16 11 00-0193)</small> Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203	EA			Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	1,026.22	122.44

28 16 11 00-0204				Magnetic Gate Locks <small>(28 16 11 00-0192)</small>		
28 16 11 00-0205				600 LB Magnetic Gate Locks <small>(28 16 11 00-0204)</small>		
28 16 11 00-0206	EA			600 LB Magnetic Gate Lock	766.92	122.44

28 16 11 00-0207				1,200 LB Magnetic Gate Locks <small>(28 16 11 00-0204)</small>		
28 16 11 00-0208	EA			1,200 LB Magnetic Gate Lock	923.18	122.44
				<i>For LED Status Indicator And Signal Relay, Add</i>	84.79	
				<i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	169.57	
				<i>For Mortise Mount, Deduct</i>	-135.66	

28 16 11 00-0209				Magnetic Lock Power Supply And Chargers <small>(28 16 11 00-0192)</small> Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210	EA			12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	567.00	122.44
28 16 11 00-0211	EA			12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	722.69	122.44
28 16 11 00-0212	EA			12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	814.27	122.44
28 16 11 00-0213	EA			12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	1,024.92	122.44

28 16 11 00-0214				Master Door Buzzer Stations <small>(28 16 11)</small>		
28 16 11 00-0215				Master Stations <small>(28 16 11 00-0214)</small>		
28 16 11 00-0216	EA			Master Stations, 5 Station Intercommunication Equipment	1,177.39	191.02
28 16 11 00-0217	EA			Master Stations, 10 Station Intercommunication Equipment	1,763.90	369.78
28 16 11 00-0218	EA			Master Station, Desk Style Remote Intercommunication Equipment.....	505.22	95.50
28 16 11 00-0219	EA			Master Station, Flush Wall Remote Intercommunication Equipment	644.17	159.18
28 16 11 00-0220	EA			Sound System Outlet, Protector	164.00	62.32
28 16 11 00-0221	EA			Sound System Microphone Outlet.....	285.69	127.59
28 16 11 00-0222	EA			Ceiling Or Wall, Sound System Speaker	220.83	62.32
28 16 11 00-0223	EA			Sound System Monitor Panel	648.64	127.59
28 16 11 00-0224	EA			Sound System Volume Control.....	190.21	62.32
28 16 11 00-0225	EA			250 Watt, Sound System Amplifier	3,005.98	510.22
28 16 11 00-0226	EA			Sound System Cabinet.....	1,741.85	510.22

28 16 11 00-0227				Master Door Stations <small>(28 16 11 00-0214)</small>		
28 16 11 00-0228	EA			Master Door Stations, Button Buzzer Type, 25 Station.....	2,560.73	
				<i>For Intercom Type Master Door Station, Add</i>	218.32	
28 16 11 00-0229	EA			Master Door Stations, Button Buzzer Type, 50 Station.....	4,240.03	
				<i>For Intercom Type Master Door Station, Add</i>	353.67	
28 16 11 00-0230	EA			Master Door Stations, Button Buzzer Type, 75 Station.....	5,815.50	
				<i>For Intercom Type Master Door Station, Add</i>	458.47	
28 16 11 00-0231	EA			Master Door Stations, Button Buzzer Type, 100 Station.....	6,649.12	
				<i>For Intercom Type Master Door Station, Add</i>	537.06	
28 16 11 00-0232	EA			Master Door Stations, Button Buzzer Type, 150 Station.....	8,086.09	
				<i>For Intercom Type Master Door Station, Add</i>	785.94	
28 16 11 00-0233	EA			Master Door Stations, Button Buzzer Type, 200 Station.....	9,498.88	
				<i>For Intercom Type Master Door Station, Add</i>	1,012.99	
28 16 11 00-0234	EA			Master Door Stations, Button Buzzer Type, 250 Station.....	11,962.18	
				<i>For Intercom Type Master Door Station, Add</i>	1,309.91	
28 16 11 00-0235	EA			Master Door Stations, Button Buzzer Type, 300 Station.....	14,282.88	
				<i>For Intercom Type Master Door Station, Add</i>	1,502.03	
28 16 11 00-0236	EA			Transformer	179.20	
28 16 11 00-0237	EA			Door Opener.....	265.14	
28 16 11 00-0238	EA			Buzzer With Door Release And Plate	326.40	
28 16 11 00-0239	EA			Amplifier For Intercom Type Unit	540.78	
28 16 11 00-0240	EA			Speaker With Door Release	226.50	

28 18 Security Access Detection Equipment (28 10)

28 18 11				Security Access Metal Detectors <small>(28 18)</small>		
28 18 11 00-0001	EA			Handheld Scanner (Garrett Super Scanner V)	279.29	30.61
28 18 11 00-0002	EA			Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	4,515.30	367.34
28 18 11 00-0003	EA			Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500).....	6,975.27	489.78

28 20 Video Surveillance (28)

Note: Includes testing of new devices and certification.

28 21 Surveillance Cameras (28 20)

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**28 21 31 Proprietary Surveillance Camera Systems (28 21)**

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
28 21 31 00-0002		Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003		Cameras (28 21 31 00-0002)		
28 21 31 00-0004		Compact, 1/3" Format Cameras (28 21 31 00-0003)		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	632.28	30.68
28 21 31 00-0007		Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0008	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	373.34	30.68
28 21 31 00-0009		Camerapaks (28 21 31 00-0002)		
		Note: Includes camera and lens.		
28 21 31 00-0010		Camerapaks (28 21 31 00-0009)		
28 21 31 00-0011		High Resolution Color, Camerapaks (28 21 31 00-0010)		
28 21 31 00-0012		Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0013		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0014	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	485.65	30.68
28 21 31 00-0015	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	456.53	30.68
28 21 31 00-0016	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	443.01	30.68
28 21 31 00-0017	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	439.89	30.68
28 21 31 00-0018		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0019	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	529.33	30.68
28 21 31 00-0020	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	485.65	30.68
28 21 31 00-0021	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	475.25	30.68
28 21 31 00-0022	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	466.93	30.68
28 21 31 00-0023		Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0024		Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0025	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	571.96	30.68
28 21 31 00-0026	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	515.81	30.68
28 21 31 00-0027	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	470.05	30.68
28 21 31 00-0028	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	451.33	30.68
28 21 31 00-0029	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	521.01	30.68
28 21 31 00-0030		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0031	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	617.72	30.68
28 21 31 00-0032	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	579.24	30.68
28 21 31 00-0033	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	513.73	30.68
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	458.61	30.68
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	542.84	30.68
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	613.56	30.68
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	704.03	30.68
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	482.53	30.68
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	577.16	30.68
28 21 31 00-0041		High Resolution Day/Night, Camerapaks (28 21 31 00-0010)		
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0041)		
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0042)		
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	976.48	30.68
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	910.97	30.68
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	855.85	30.68
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	940.09	30.68
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,010.80	30.68
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,100.23	30.68



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0050				Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0042)		
28 21 31 00-0051	EA			3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	879.77	30.68
28 21 31 00-0052	EA			7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	974.40	30.68
28 21 31 00-0053				Compact Camerapaks (28 21 31 00-0009)		
28 21 31 00-0054				High Resolution Color, Compact Camerapaks (28 21 31 00-0053)		
28 21 31 00-0055				DSS, High Resolution Color, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0056				Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0055)		
28 21 31 00-0057				Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)		
28 21 31 00-0058	EA			2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	757.06	30.68
28 21 31 00-0059	EA			2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	727.95	30.68
28 21 31 00-0060	EA			4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	713.39	30.68
28 21 31 00-0061	EA			8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	710.27	30.68
28 21 31 00-0062				Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)		
28 21 31 00-0063	EA			2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	799.70	30.68
28 21 31 00-0064	EA			2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	757.06	30.68
28 21 31 00-0065	EA			4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	746.66	30.68
28 21 31 00-0066	EA			8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	738.34	30.68
28 21 31 00-0067				Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0055)		
28 21 31 00-0068				Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0069	EA			1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	843.37	30.68
28 21 31 00-0070	EA			2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	786.18	30.68
28 21 31 00-0071	EA			2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	741.46	30.68
28 21 31 00-0072	EA			3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	722.75	30.68
28 21 31 00-0073	EA			5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	791.38	30.68
28 21 31 00-0074	EA			5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	836.10	30.68
28 21 31 00-0075	EA			5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	942.17	30.68
28 21 31 00-0076				Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0077	EA			1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	888.09	30.68
28 21 31 00-0078	EA			2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	850.65	30.68
28 21 31 00-0079	EA			2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	785.14	30.68
28 21 31 00-0080	EA			3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	728.99	30.68
28 21 31 00-0081	EA			5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	814.26	30.68
28 21 31 00-0082	EA			5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	884.97	30.68
28 21 31 00-0083	EA			5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	974.40	30.68
28 21 31 00-0084				Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0085	EA			3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	753.94	30.68
28 21 31 00-0086	EA			7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	848.57	30.68
28 21 31 00-0087				EDR, High Resolution Color, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0088				Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0089				Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0090	EA			2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	757.06	30.68
28 21 31 00-0091	EA			2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	565.72	30.68
28 21 31 00-0092	EA			4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	551.16	30.68
28 21 31 00-0093	EA			8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	548.04	30.68
28 21 31 00-0094				Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0095	EA			2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	637.47	30.68
28 21 31 00-0096	EA			2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	594.84	30.68
28 21 31 00-0097	EA			4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	584.44	30.68

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0098 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	584.44	30.68
28 21 31 00-0099 Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0100 Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0101 EA 1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	681.15	30.68
28 21 31 00-0102 EA 2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	623.96	30.68
28 21 31 00-0103 EA 2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	579.24	30.68
28 21 31 00-0104 EA 3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	560.52	30.68
28 21 31 00-0105 EA 5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	629.16	30.68
28 21 31 00-0106 EA 5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	673.87	30.68
28 21 31 00-0107 EA 5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	779.94	30.68
28 21 31 00-0108 Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0109 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	725.87	30.68
28 21 31 00-0110 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	688.43	30.68
28 21 31 00-0111 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	621.88	30.68
28 21 31 00-0112 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	566.76	30.68
28 21 31 00-0113 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	652.03	30.68
28 21 31 00-0114 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	722.75	30.68
28 21 31 00-0115 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	812.18	30.68
28 21 31 00-0116 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0117 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	591.72	30.68
28 21 31 00-0118 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	686.35	30.68
28 21 31 00-0119 High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0053)		
28 21 31 00-0120 Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0121 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0122 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	698.83	30.68
28 21 31 00-0123 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0124 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN- 6F2.3A).....	788.26	30.68
28 21 31 00-0125 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN- 6F2.8A).....	744.58	30.68
28 21 31 00-0126 Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0127 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0128 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	728.99	30.68
28 21 31 00-0129 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	710.27	30.68
28 21 31 00-0130 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	824.66	30.68
28 21 31 00-0131 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0132 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN- 6V2A).....	838.18	30.68
28 21 31 00-0133 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN- 6V21A).....	772.66	30.68
28 21 31 00-0134 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	717.55	30.68
28 21 31 00-0135 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	801.78	30.68
28 21 31 00-0136 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN- 6V50A).....	872.49	30.68
28 21 31 00-0137 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN- 6V55A).....	962.96	30.68
28 21 31 00-0138 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0139 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	741.46	30.68
28 21 31 00-0140 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	836.10	30.68



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0141				Camera Systems <small>(28 21 31 00-0002)</small>		
28 21 31 00-0142				Camera Dome Systems <small>(28 21 31 00-0141)</small>		
28 21 31 00-0143				Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0142)</small>		
28 21 31 00-0144				Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0143)</small> Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145				Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0144)</small>		
28 21 31 00-0146				Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0145)</small>		
28 21 31 00-0147	EA			22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB).....	3,101.09	184.11
28 21 31 00-0148	EA			22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F).....	3,527.45	184.11
28 21 31 00-0149	EA			22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB).....	3,718.79	184.11
28 21 31 00-0150	EA			22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	5,149.69	184.11
28 21 31 00-0151				Color, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0145)</small>		
28 21 31 00-0152	EA			16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB).....	2,617.53	184.11
28 21 31 00-0153	EA			16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F).....	2,832.79	184.11
28 21 31 00-0154	EA			16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB).....	3,025.17	184.11
28 21 31 00-0155	EA			16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E).....	3,135.40	184.11
28 21 31 00-0156	EA			16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E).....	3,135.40	184.11
28 21 31 00-0157	EA			22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB).....	3,284.11	184.11
28 21 31 00-0158	EA			22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F).....	3,711.51	184.11
28 21 31 00-0159	EA			22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB).....	3,903.89	184.11
28 21 31 00-0160	EA			22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E).....	4,014.12	184.11
28 21 31 00-0161	EA			22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E).....	4,014.12	184.11
28 21 31 00-0162				Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0145)</small>		
28 21 31 00-0163	EA			23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB).....	3,817.58	184.11
28 21 31 00-0164	EA			23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F).....	4,244.98	184.11
28 21 31 00-0165	EA			23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB).....	4,437.36	184.11
28 21 31 00-0166	EA			23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E).....	4,547.59	184.11
28 21 31 00-0167	EA			23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E).....	4,547.59	184.11
28 21 31 00-0168				Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0145)</small>		
28 21 31 00-0169	EA			18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB).....	3,468.17	184.11
28 21 31 00-0170	EA			18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F).....	3,684.47	184.11
28 21 31 00-0171	EA			18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB).....	3,875.81	184.11
28 21 31 00-0172	EA			18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E).....	3,986.04	184.11
28 21 31 00-0173	EA			18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E).....	3,986.04	184.11
28 21 31 00-0174	EA			35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB).....	4,168.02	184.11
28 21 31 00-0175	EA			35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F).....	4,508.07	184.11
28 21 31 00-0176	EA			35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB).....	4,699.41	184.11
28 21 31 00-0177	EA			35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E).....	4,809.64	184.11
28 21 31 00-0178	EA			35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E).....	4,809.64	184.11
28 21 31 00-0179				Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0144)</small>		
28 21 31 00-0180				Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0179)</small>		
28 21 31 00-0181	EA			16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF).....	3,394.34	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0182	EA			16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP).....	3,579.44	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0183	EA			16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE).....	3,727.11	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0184	EA			22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF).....	4,208.58	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0185	EA			22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	4,393.68	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0186	EA			22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE).....	4,542.39	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0187				Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0179)</small>		
28 21 31 00-0188	EA			18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF).....	4,244.98	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0189	EA			18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP).....	4,430.08	184.11
				<i>For Protective Lower Dome Cage, Add</i>	34.65	

28 Electronic Safety and Security

28 20 Video Surveillance

28 21 Surveillance Cameras



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0190	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	4,578.79	184.11
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0191	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF).....	5,005.14	184.11
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0192	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP).....	5,189.21	184.11
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0193	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	5,337.91	184.11
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0194			Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0195			Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0194)		
28 21 31 00-0196	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	5,610.37	184.11
28 21 31 00-0197	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	6,370.53	184.11
28 21 31 00-0198			Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0199			Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0200	EA		22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	4,880.36	184.11
28 21 31 00-0201			Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0202	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	4,250.18	184.11
28 21 31 00-0203	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	5,065.46	184.11
28 21 31 00-0204			Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0205	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	5,598.93	184.11
28 21 31 00-0206			Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0207	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	5,101.85	184.11
28 21 31 00-0208	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	5,860.98	184.11
28 21 31 00-0209			Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0210			Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0209)		
28 21 31 00-0211	EA		10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,966.56	184.11
28 21 31 00-0212			Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0143) Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213			Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0214			Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)		
28 21 31 00-0215	EA		16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	3,609.60	184.11
28 21 31 00-0216	EA		16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	3,801.98	184.11
28 21 31 00-0217	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	3,912.21	184.11
28 21 31 00-0218	EA		16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	3,912.21	184.11
28 21 31 00-0219	EA		22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	4,488.31	184.11
28 21 31 00-0220	EA		22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	4,680.70	184.11
28 21 31 00-0221	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	4,790.92	184.11
28 21 31 00-0222	EA		22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	4,790.92	184.11
28 21 31 00-0223			Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)		
28 21 31 00-0224	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	5,021.78	184.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0225 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	5,214.16	184.11
28 21 31 00-0226 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	5,324.39	184.11
28 21 31 00-0227 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	5,324.39	184.11
28 21 31 00-0228 Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0229 Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0228)		
28 21 31 00-0230 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	4,171.14 34.65	184.11
28 21 31 00-0231 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	4,356.25 34.65	184.11
28 21 31 00-0232 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	4,503.91 34.65	184.11
28 21 31 00-0233 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	4,985.39 34.65	184.11
28 21 31 00-0234 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	5,170.49 34.65	184.11
28 21 31 00-0235 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	5,319.19 34.65	184.11
28 21 31 00-0236 Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0228)		
28 21 31 00-0237 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	5,021.78 34.65	184.11
28 21 31 00-0238 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	5,206.88 34.65	184.11
28 21 31 00-0239 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	5,355.59 34.65	184.11
28 21 31 00-0240 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	5,781.95 34.65	184.11
28 21 31 00-0241 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	5,966.01 34.65	184.11
28 21 31 00-0242 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	6,114.72 34.65	184.11
28 21 31 00-0243 Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0244 Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0245 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	5,026.98	184.11
28 21 31 00-0246 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	5,842.26	184.11
28 21 31 00-0247 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0248 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,375.73	184.11
28 21 31 00-0249 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0250 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	5,878.66	184.11
28 21 31 00-0251 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	6,637.79	184.11
28 21 31 00-0252 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0253 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 31 00-0252)		
28 21 31 00-0254 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	2,467.79	184.11

28 Electronic Safety and Security

28 20 Video Surveillance

28 21 Surveillance Cameras



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0255 Spectra®, Pan/Tilt Dome Drives <small>(28 21 31 00-0143)</small>		
<small>Note: Includes dome drive, camera and lens.</small>		
28 21 31 00-0256 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,827.19	153.42
28 21 31 00-0257 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,326.35	153.42
28 21 31 00-0258 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	2,943.01	153.42
28 21 31 00-0259 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,312.83	153.42
28 21 31 00-0260 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,127.07	153.42
28 21 31 00-0261 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,163.47	153.42
28 21 31 00-0262 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	3,660.54	153.42
28 21 31 00-0263 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	3,923.63	153.42
28 21 31 00-0264 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	3,923.63	153.42
28 21 31 00-0265 Accessories For Spectra® Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0143)</small>		
28 21 31 00-0266 EA Upgrade To Chrome Lower Dome (Pelco Spectra)	146.63	
28 21 31 00-0267 EA Upgrade To Gold Lower Dome (Pelco Spectra)	191.34	
28 21 31 00-0268 EA Wall Mount For Spectra® Systems (Pelco IWM-BK)	159.63	15.35
28 21 31 00-0269 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	401.92	15.35
28 21 31 00-0270 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	155.47	15.35
28 21 31 00-0271 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	306.75	15.35
28 21 31 00-0272 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402)	81.82	9.13
28 21 31 00-0273 Camclosure®, Camera Dome Systems <small>(28 21 31 00-0142)</small>		
28 21 31 00-0274 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0273)</small>		
28 21 31 00-0275 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0274)</small>		
28 21 31 00-0276 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0277 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	737.39	184.11
28 21 31 00-0278 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	799.79	184.11
28 21 31 00-0279 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	888.18	184.11
28 21 31 00-0280 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	888.18	184.11
28 21 31 00-0281 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0282 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	899.62	184.11
28 21 31 00-0283 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	980.73	184.11
28 21 31 00-0284 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	980.73	184.11
28 21 31 00-0285 Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0286 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,030.65	184.11
28 21 31 00-0287 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,231.35	184.11
28 21 31 00-0288 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,231.35	184.11
28 21 31 00-0289 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>		
28 21 31 00-0290 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,126.32	184.11
28 21 31 00-0291 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,255.26	184.11
28 21 31 00-0292 Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0274)</small>		
28 21 31 00-0293 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
28 21 31 00-0294 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	811.20	122.74
28 21 31 00-0295 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
28 21 31 00-0296 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	928.70	122.74



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 21 31 00-0297			Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
	28 21 31 00-0298	EA		9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	1,022.30	122.74
	28 21 31 00-0299			Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>		
	28 21 31 00-0300	EA		9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,069.09	122.74
	28 21 31 00-0301			Camclosure® IS Integrated Cameras <small>(28 21 31 00-0274)</small>		
	28 21 31 00-0302	EA		12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	572.02	122.74
	28 21 31 00-0303	EA		9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	572.02	122.74
	28 21 31 00-0304	EA		9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	664.57	122.74
	28 21 31 00-0305	EA		9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	915.19	122.74
	28 21 31 00-0306	EA		9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	939.10	122.74
	28 21 31 00-0307			Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0273)</small>		
	28 21 31 00-0308			Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0307)</small>		
	28 21 31 00-0309			Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0308)</small>		
	28 21 31 00-0310	EA		12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	634.44	184.11
	28 21 31 00-0311	EA		12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	679.16	184.11
	28 21 31 00-0312	EA		12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	858.02	184.11
	28 21 31 00-0313	EA		12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	858.02	184.11
	28 21 31 00-0314			High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 31 00-0308)</small>		
	28 21 31 00-0315	EA		3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A).....	1,058.72	184.11
	28 21 31 00-0316			Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0307)</small>		
	28 21 31 00-0317			Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0316)</small>		
	28 21 31 00-0318	EA		12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12).....	735.28	122.74
	28 21 31 00-0319			Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0307)</small>		
	28 21 31 00-0320			High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
	28 21 31 00-0321	EA		9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	980.73	184.11
	28 21 31 00-0322			Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
	28 21 31 00-0323	EA		9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	1,074.32	184.11
	28 21 31 00-0324			Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
	28 21 31 00-0325	EA		9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22).....	1,191.83	184.11
	28 21 31 00-0326			Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 31 00-0319)</small>		
	28 21 31 00-0327	EA		9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,238.63	184.11
	28 21 31 00-0328			Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0273)</small>		
	28 21 31 00-0329			Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0328)</small>		

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0330 High Resolution Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0329)</small>		
28 21 31 00-0331 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9).....	1,754.42	184.11
28 21 31 00-0332 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22).....	1,754.42	184.11
28 21 31 00-0333 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0329)</small>		
28 21 31 00-0334 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9).....	1,883.36	184.11
28 21 31 00-0335 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22).....	1,883.36	184.11
28 21 31 00-0336 Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0329)</small>		
28 21 31 00-0337 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9).....	2,081.99	184.11
28 21 31 00-0338 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22).....	2,081.99	184.11
28 21 31 00-0339 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0329)</small>		
28 21 31 00-0340 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	2,222.37	184.11
28 21 31 00-0341 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	2,222.37	184.11
28 21 31 00-0342 Accessories For Camclosure® Camera Dome Systems <small>(28 21 31 00-0273)</small>		
28 21 31 00-0343 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	37.13	9.20
28 21 31 00-0344 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	37.13	9.20
28 21 31 00-0345 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS).....	49.40	15.35
28 21 31 00-0346 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND).....	78.52	15.35
28 21 31 00-0347 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	80.80	9.20
28 21 31 00-0348 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	78.52	15.35
28 21 31 00-0349 EA Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	99.31	15.35
28 21 31 00-0350 EA Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	265.19	30.68
28 21 31 00-0351 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A).....	265.19	30.68
28 21 31 00-0352 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A).....	265.19	30.68
28 21 31 00-0353 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	265.19	30.68
28 21 31 00-0354 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P).....	94.11	15.35
28 21 31 00-0355 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD).....	108.17	30.68
28 21 31 00-0356 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	108.17	30.68
28 21 31 00-0357 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD).....	108.17	30.68
28 21 31 00-0358 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	108.17	30.68
28 21 31 00-0359 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	108.17	30.68
28 21 31 00-0360 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD).....	108.17	30.68
28 21 31 00-0361 EA Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	314.27	41.91
28 21 31 00-0362 EA Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	67.08	15.35
28 21 31 00-0363 EA Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	113.87	15.35
28 21 31 00-0364 EA White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	67.08	15.35
28 21 31 00-0365 EA White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	113.87	15.35
28 21 31 00-0366 EA Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,636.91	184.11
28 21 31 00-0367 Pan/Tilt Camera Systems <small>(28 21 31 00-0141)</small>		
28 21 31 00-0368 Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small> Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369 EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0369)</small>		
28 21 31 00-0370 Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0369)</small>		
28 21 31 00-0371 EA 10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	4,621.47	276.17
28 21 31 00-0372 EA 20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	5,246.45	276.17
28 21 31 00-0373 EA 30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	6,112.69	276.17
28 21 31 00-0374 EA 10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	4,755.62	276.17
28 21 31 00-0375 EA 20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	5,408.67	276.17
28 21 31 00-0376 EA 30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	6,274.91	276.17



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0377	Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0369)</small>		
28 21 31 00-0378	EA 10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	4,664.10	276.17
28 21 31 00-0379	EA 20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	5,289.08	276.17
28 21 31 00-0380	EA 30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	6,155.32	276.17
28 21 31 00-0381	EA 10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	4,799.29	276.17
28 21 31 00-0382	EA 20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	5,451.31	276.17
28 21 31 00-0383	EA 30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	6,317.55	276.17
28 21 31 00-0384	Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
28 21 31 00-0385	DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0384)</small>		
28 21 31 00-0386	Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0385)</small>		
28 21 31 00-0387	EA 10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	4,783.69	276.17
28 21 31 00-0388	EA 20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	5,408.67	276.17
28 21 31 00-0389	EA 30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	6,274.91	276.17
28 21 31 00-0390	EA 10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	4,917.84	276.17
28 21 31 00-0391	EA 20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	5,570.90	276.17
28 21 31 00-0392	EA 30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	6,437.13	276.17
28 21 31 00-0393	Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0385)</small>		
28 21 31 00-0394	EA 10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	4,826.33	276.17
28 21 31 00-0395	EA 20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	5,451.31	276.17
28 21 31 00-0396	EA 30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	6,317.55	276.17
28 21 31 00-0397	EA 10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	4,961.52	276.17
28 21 31 00-0398	EA 20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	5,613.53	276.17
28 21 31 00-0399	EA 30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	6,479.77	276.17
28 21 31 00-0400	Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
28 21 31 00-0401	High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0400)</small>		
28 21 31 00-0402	Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0401)</small>		
28 21 31 00-0403	EA 6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	4,512.28	276.17
28 21 31 00-0404	EA 5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	5,137.26	276.17
28 21 31 00-0405	EA 5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	6,003.50	276.17
28 21 31 00-0406	EA 6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	4,647.47	276.17
28 21 31 00-0407	EA 5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	5,299.48	276.17
28 21 31 00-0408	EA 5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	6,165.72	276.17
28 21 31 00-0409	Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0401)</small>		
28 21 31 00-0410	EA 6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,555.96	276.17
28 21 31 00-0411	EA 5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	5,179.90	276.17
28 21 31 00-0412	EA 5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	6,047.17	276.17
28 21 31 00-0413	EA 6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	4,586.11	276.17
28 21 31 00-0414	EA 6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,690.10	276.17
28 21 31 00-0415	EA 5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	5,342.12	276.17
28 21 31 00-0416	EA 5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	6,209.40	276.17

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 21 31 00-0417		Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0418		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0417)		
28 21 31 00-0419		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,396.19	276.17
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,262.43	276.17
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	4,906.40	276.17
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	5,558.42	276.17
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	6,424.66	276.17
28 21 31 00-0425		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0426	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	4,814.89	276.17
28 21 31 00-0427	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,438.83	276.17
28 21 31 00-0428	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,306.11	276.17
28 21 31 00-0429	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	4,949.04	276.17
28 21 31 00-0430	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	5,601.05	276.17
28 21 31 00-0431	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	6,468.33	276.17
28 21 31 00-0432		Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0433		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0432)		
28 21 31 00-0434		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0435	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	6,400.74	276.17
28 21 31 00-0436	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	5,043.67	276.17
28 21 31 00-0437	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	6,562.96	276.17
28 21 31 00-0438		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0439	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	4,952.16	276.17
28 21 31 00-0440	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	6,444.41	276.17
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	5,087.34	276.17
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	5,739.36	276.17
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	6,606.64	276.17
28 21 31 00-0444		Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0445		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0446		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0447	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	5,387.88	276.17
28 21 31 00-0448		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0449	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	5,430.51	276.17
28 21 31 00-0450		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0451		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N).....	6,400.74	276.17
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N).....	6,188.60	276.17
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N).....	7,036.12	276.17
28 21 31 00-0455		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W).....	6,442.33	276.17
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	6,188.60	276.17
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	7,082.91	276.17



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0459				Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0460				High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0459)		
28 21 31 00-0461				Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0462	EA			16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	4,141.03	276.17
28 21 31 00-0463	EA			22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	5,154.94	276.17
28 21 31 00-0464	EA			24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	4,945.92	276.17
28 21 31 00-0465	EA			35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	5,606.25	276.17
28 21 31 00-0466				Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0467	EA			16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	4,182.63	276.17
28 21 31 00-0468	EA			22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	5,197.57	276.17
28 21 31 00-0469	EA			24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	4,988.55	276.17
28 21 31 00-0470	EA			35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	5,653.05	276.17
28 21 31 00-0471				Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0472				Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0471)		
28 21 31 00-0473				Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31 00-0474	EA			14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	26,661.11	276.17
28 21 31 00-0475	EA			35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	28,713.24	276.17
28 21 31 00-0476	EA			50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	29,346.13	276.17
28 21 31 00-0477				Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31 00-0478	EA			14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	26,704.79	276.17
28 21 31 00-0479	EA			35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W).....	28,713.87	276.17
28 21 31 00-0480	EA			50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	29,388.77	276.17
28 21 31 00-0481				Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0482	EA			Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE).....	11.64	3.07
28 21 31 00-0483	EA			Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT).....	67.08	15.35
28 21 31 00-0484	EA			Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	104.51	15.35
28 21 31 00-0485	EA			Wall Mount For High Security Enclosures (Pelco HSWM12).....	132.59	15.35
28 21 31 00-0486	EA			Ground Isolation Transformer (Pelco GIT100).....	387.06	41.91
28 21 31 00-0487	EA			High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	586.80	41.91
28 21 31 00-0488	EA			High Security, Indoor 10" Length Enclosure (Pelco HS3000).....	462.97	41.91
28 21 31 00-0489	EA			High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	682.75	41.91
28 21 31 00-0490	EA			High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080).....	358.98	41.91
28 21 31 00-0491	EA			High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134).....	982.39	41.91
28 21 31 00-0492	EA			Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,441.52	41.91
28 21 31 00-0493	EA			Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,712.93	41.91
28 21 31 00-0494	EA			24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,774.29	41.91
28 21 31 00-0495	EA			35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,871.00	41.91
28 21 31 00-0496	EA			24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,524.34	41.92
28 21 31 00-0497	EA			24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N).....	2,554.40	41.91
28 21 31 00-0498	EA			24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,583.26	41.91
28 21 31 00-0499	EA			30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30).....	5,859.01	41.91
28 21 31 00-0500	EA			30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P).....	6,021.24	41.91
28 21 31 00-0501	EA			Esprit® Camera Pole Mount Adapter (Pelco EPM).....	114.39	9.87
28 21 31 00-0502	EA			Pole Mount Adapter For Esprit® Systems (Pelco EPM).....	114.39	9.87
28 21 31 00-0503				Camera Lenses (28 21 31 00-0002)		
28 21 31 00-0504				Fixed Focus Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus.		
28 21 31 00-0505				Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0504)		
28 21 31 00-0506	EA			2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	169.92	14.40
28 21 31 00-0507	EA			2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	140.80	14.40
28 21 31 00-0508	EA			4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	126.24	14.40
28 21 31 00-0509	EA			8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	123.12	14.40
28 21 31 00-0510				Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504) Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511	EA			2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	212.56	14.40
28 21 31 00-0512	EA			2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	169.92	14.40
28 21 31 00-0513	EA			4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	159.52	14.40
28 21 31 00-0514	EA			8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	113.76	14.40

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0515	Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516	EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	251.03	14.40
28 21 31 00-0517	EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	207.36	14.40
28 21 31 00-0518	EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	196.96	14.40
28 21 31 00-0519	EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	188.64	14.40
28 21 31 00-0520	Varifocal Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521	Manual Iris, Varifocal Camera Lenses (28 21 31 00-0520)		
28 21 31 00-0522	EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	246.15	14.40
28 21 31 00-0523	EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	199.04	14.40
28 21 31 00-0524	EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	154.32	14.40
28 21 31 00-0525	EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	135.60	14.40
28 21 31 00-0526	EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	355.02	14.40
28 21 31 00-0527	EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	190.60	14.40
28 21 31 00-0528	EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	203.22	14.40
28 21 31 00-0529	Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0530	EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3).....	241.94	14.40
28 21 31 00-0531	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6).....	213.32	14.40
28 21 31 00-0532	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12).....	162.82	14.40
28 21 31 00-0533	EA 3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	120.74	14.40
28 21 31 00-0534	EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5).....	387.26	14.40
28 21 31 00-0535	EA 5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	239.41	14.40
28 21 31 00-0536	Video Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0537	EA 1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	339.42	14.40
28 21 31 00-0538	EA 2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	300.95	14.40
28 21 31 00-0539	EA 3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	180.32	14.40
28 21 31 00-0540	EA 5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	335.26	14.40
28 21 31 00-0541	Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0542	EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	140.09	14.40
28 21 31 00-0543	EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	211.64	14.40
28 21 31 00-0544	Motorized Zoom Camera Lenses (28 21 31 00-0503) Note: 1/3" format.		
28 21 31 00-0545	Manual Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544)		
28 21 31 00-0546	EA 8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	617.08	14.40
28 21 31 00-0547	EA 10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	770.98	14.40
28 21 31 00-0548	EA 15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	821.94	14.40
28 21 31 00-0549	Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0550	EA 6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	565.98	14.40
28 21 31 00-0551	EA 10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	654.36	14.40
28 21 31 00-0552	EA 15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	908.25	14.40
28 21 31 00-0553	EA 20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	1,124.02	14.40
28 21 31 00-0554	EA 30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	2,232.51	14.40
28 21 31 00-0555	Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0556	EA 8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	632.67	14.40
28 21 31 00-0557	EA 10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	753.30	14.40
28 21 31 00-0558	EA 15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	946.72	14.40
28 21 31 00-0559	EA 20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	1,378.28	14.40
28 21 31 00-0560	EA 30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	2,244.52	14.40
28 21 31 00-0561	Camera Power Supplies (28 21 31 00-0002)		
28 21 31 00-0562	EA 20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	43.27	12.27
28 21 31 00-0563	EA 50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	74.47	12.27
28 21 31 00-0564	EA 2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	322.65	24.55
28 21 31 00-0565	EA 5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	372.45	36.82
28 21 31 00-0566	EA 10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	419.71	49.10
	For Switchable Outputs, Add	192.91	
28 21 31 00-0567	EA 20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	469.51	61.37
	For Switchable Outputs, Add	208.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 21 31 00-0568			Camera Illuminators (28 21 31 00-0002)		
	28 21 31 00-0569			Camera Illuminators (28 21 31 00-0568) Note: Includes lamp and mounting bracket.		
	28 21 31 00-0570	EA		Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,642.23	24.55
	28 21 31 00-0571	EA		Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,642.23	24.55
	28 21 31 00-0572	EA		Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,642.23	24.55
	28 21 31 00-0573			Camera Illuminator Accessories (28 21 31 00-0568)		
	28 21 31 00-0574	EA		Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	137.49	24.55
	28 21 31 00-0575			Camera Receivers (28 21 31 00-0002)		
	28 21 31 00-0576	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,595.42	41.91
	28 21 31 00-0577	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,595.42	41.91
	28 21 31 00-0578			Pan And Tilt Drives (28 21 31 00-0002)		
	28 21 31 00-0579	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,133.54	92.05
	28 21 31 00-0580	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,437.19	92.05
				For Preset Positioning, Add	165.00	
	28 21 31 00-0581	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,030.32	92.05
				For Preset Positioning, Add	165.00	
	28 21 31 00-0582	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,461.87	92.05
				For Preset Positioning, Add	165.00	
	28 21 31 00-0583	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,004.70	92.05
				For Preset Positioning, Add	165.00	
	28 21 31 00-0584	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,158.99	92.05
				For Preset Positioning, Add	165.00	
	28 21 31 00-0585			Scanners (28 21 31 00-0002)		
	28 21 31 00-0586	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,292.64	92.05
				For Wall Mount, Add	39.05	
				For Pressure Sensor Alarm, Add	51.15	
	28 21 31 00-0587	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,358.16	92.05
				For Wall Mount, Add	39.05	
				For Pressure Sensor Alarm, Add	51.15	
	28 21 31 00-0588			Camera Monitors (28 21 31 00-0001)		
	28 21 31 00-0589			Camera Monitors (28 21 31 00-0588)		
	28 21 31 00-0590			Monochrome Camera Monitors (28 21 31 00-0589)		
	28 21 31 00-0591	EA		9" Monochrome Camera Monitor (Pelco PMM9A)	252.08	18.41
	28 21 31 00-0592	EA		12" Monochrome Camera Monitor (Pelco PMM12A)	288.48	18.41
	28 21 31 00-0593	EA		15" Monochrome Camera Monitor (Pelco PMM15A)	442.38	18.41
	28 21 31 00-0594	EA		20" Monochrome Camera Monitor (Pelco PMM20A)	711.72	18.41
	28 21 31 00-0595			Color Camera Monitors (28 21 31 00-0589)		
	28 21 31 00-0596	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A)	803.23	18.41
	28 21 31 00-0597	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	651.40	18.41
	28 21 31 00-0598	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	946.73	18.41
	28 21 31 00-0599	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,258.70	18.41
	28 21 31 00-0600			LCD Camera Monitors (28 21 31 00-0588)		
	28 21 31 00-0601			VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 31 00-0600) Note: Displays VGA computer signals.		
	28 21 31 00-0602	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	908.26	18.41
	28 21 31 00-0603	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,182.79	18.41
	28 21 31 00-0604			Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals.		
	28 21 31 00-0605	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,033.04	18.41
	28 21 31 00-0606	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,236.86	18.41
	28 21 31 00-0607	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,521.80	18.41
	28 21 31 00-0608			Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
	28 21 31 00-0609	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,326.30	18.41
	28 21 31 00-0610	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,538.44	18.41
	28 21 31 00-0611	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	1,930.48	18.41

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 21 31 00-0612		Camera Monitor Mounting Accessories (28 21 31 00-0588)		
28 21 31 00-0613		Camera Monitor Mounts (28 21 31 00-0612)		
28 21 31 00-0614	EA	Up To 14", Camera Monitor Mount (Pelco).....	309.08	24.55
28 21 31 00-0615	EA	>14" To 17", Camera Monitor Mount (Pelco).....	360.03	24.55
28 21 31 00-0616	EA	>17" To 21", Camera Monitor Mount (Pelco).....	422.42	24.55
28 21 31 00-0617		Camera Monitor Rack Mount Kits (28 21 31 00-0612)		
28 21 31 00-0618	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RL).....	187.41	24.55
28 21 31 00-0619		Video Transmission Equipment (28 21 31 00-0001)		
28 21 31 00-0620		UTP Cable, Video Transmission Equipment (28 21 31 00-0619)		
28 21 31 00-0621		UTP Cable, Active Video Receivers (28 21 31 00-0620)		
28 21 31 00-0622	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR).....	388.94	30.68
28 21 31 00-0623	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	1,338.37	30.68
28 21 31 00-0624	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US).....	2,633.04	30.68
28 21 31 00-0625	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR-1-US).....	4,324.96	30.68
28 21 31 00-0626	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US).....	5,049.77	30.68
28 21 31 00-0627		UTP Cable, Passive Video Transceivers (28 21 31 00-0620)		
28 21 31 00-0628	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P).....	114.40	30.68
28 21 31 00-0629	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	388.94	30.68
28 21 31 00-0630	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	717.55	30.68
28 21 31 00-0631	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	1,364.36	30.68
28 21 31 00-0632	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	2,668.40	30.68
28 21 31 00-0633		UTP Cable, Active Video Transmitters (28 21 31 00-0620)		
28 21 31 00-0634	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	406.62	30.68
28 21 31 00-0635		Fiber Optics, Video Transmission Equipment (28 21 31 00-0619)		
28 21 31 00-0636		Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0635)		
28 21 31 00-0637		Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0636)		
28 21 31 00-0638	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	2,356.45	61.37
28 21 31 00-0639	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM).....	965.06	61.37
28 21 31 00-0640	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,723.15	61.37
28 21 31 00-0641	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M).....	1,189.68	61.37
28 21 31 00-0642		Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0636)		
28 21 31 00-0643	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS).....	2,356.45	61.37
28 21 31 00-0644	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM).....	965.06	61.37
28 21 31 00-0645	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S).....	1,723.15	61.37
28 21 31 00-0646	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M).....	1,189.68	61.37
28 21 31 00-0647		Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0635)		
28 21 31 00-0648		Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0647)		
28 21 31 00-0649	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS).....	1,048.25	61.37
28 21 31 00-0650	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM).....	459.67	61.37
28 21 31 00-0651	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S).....	2,898.23	61.37
28 21 31 00-0652	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M).....	1,743.94	61.37
28 21 31 00-0653	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S).....	4,745.10	61.37
28 21 31 00-0654	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M).....	3,946.45	61.37
28 21 31 00-0655	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S).....	11,774.82	61.37
28 21 31 00-0656	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M).....	10,480.14	61.37
28 21 31 00-0657		Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0647)		
28 21 31 00-0658	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	1,048.25	61.37
28 21 31 00-0659	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM).....	459.67	61.37
28 21 31 00-0660	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,786.58	61.37
28 21 31 00-0661	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	726.92	61.37
28 21 31 00-0662	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S).....	2,898.23	61.37
28 21 31 00-0663	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M).....	1,743.94	61.37
28 21 31 00-0664	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	4,745.10	61.37
28 21 31 00-0665	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	3,946.45	61.37
28 21 31 00-0666	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S).....	11,774.82	61.37
28 21 31 00-0667	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	10,480.14	61.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0668				Video And Data, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0669				Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters <small>(28 21 31 00-0668)</small>		
28 21 31 00-0670	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,804.26	61.37
28 21 31 00-0671	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	1,077.37	61.37
28 21 31 00-0672	EA			Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	4,194.99	61.37
28 21 31 00-0673	EA			Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	3,632.40	61.37
28 21 31 00-0674	EA			Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	6,787.46	61.37
28 21 31 00-0675	EA			Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	4,921.88	61.37
28 21 31 00-0676				Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers <small>(28 21 31 00-0668)</small>		
28 21 31 00-0677	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,804.26	61.37
28 21 31 00-0678	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	1,077.37	61.37
28 21 31 00-0679	EA			Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	4,194.99	61.37
28 21 31 00-0680	EA			Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	3,632.40	61.37
28 21 31 00-0681	EA			Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	6,787.46	61.37
28 21 31 00-0682	EA			Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	4,921.88	61.37
28 21 31 00-0683				Video, Audio And Data, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0684				Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters <small>(28 21 31 00-0683)</small>		
28 21 31 00-0685	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	2,323.17	61.37
28 21 31 00-0686	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,848.97	61.37
28 21 31 00-0687				Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers <small>(28 21 31 00-0683)</small>		
28 21 31 00-0688	EA			Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	2,323.17	61.37
28 21 31 00-0689	EA			Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,848.97	61.37
28 21 31 00-0690				Video Amplifiers <small>(28 21 31 00-0619)</small>		
28 21 31 00-0691				Video Distribution Amplifiers <small>(28 21 31 00-0690)</small>		
28 21 31 00-0692	EA			1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	287.54	15.35
28 21 31 00-0693	EA			16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	2,329.90	15.35
28 21 31 00-0694				Video Equalizing Amplifiers <small>(28 21 31 00-0690)</small>		
28 21 31 00-0695	EA			Video Equalizing Amplifier (Pelco EA2010).....	312.49	15.35
28 21 31 00-0696	EA			Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	490.32	15.35
28 21 31 00-0697				Network Video Equipment <small>(28 21 31 00-0001)</small>		
28 21 31 00-0698				Video Encoders/Decoders <small>(28 21 31 00-0697)</small>		
28 21 31 00-0699	EA			MPEG4 IP Video Receiver (Pelco NET300R).....	1,158.48	30.68
28 21 31 00-0700	EA			MPEG4 IP Video Transmitter (Pelco NET300T).....	1,158.48	30.68
28 21 31 00-0701	EA			MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	1,333.18	30.68
28 21 31 00-0702	EA			MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	1,333.18	30.68
28 21 31 00-0703				Network Video Recorders <small>(28 21 31 00-0697)</small>		
28 21 31 00-0704	EA			16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	7,325.09	61.37
28 21 31 00-0705	EA			32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	8,524.09	61.37
28 21 31 00-0706	EA			64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	10,924.18	61.37
28 21 31 00-0707	EA			64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	7,234.62	61.37

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0708			Network Video Recorder Software (28 21 31 00-0697)		
28 21 31 00-0709	EA		10 User, License Pack (Pelco VMX300-LIC-10)	723.77	
28 21 31 00-0710	EA		20 User, License Pack (Pelco VMX300-LIC-20)	1,305.07	
28 21 31 00-0711	EA		50 User, License Pack (Pelco VMX300-LIC-50)	2,898.20	
28 21 31 00-0712	EA		100 User, License Pack (Pelco VMX300-LIC-100)	5,069.51	
28 21 31 00-0713	EA		10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,208.36	
28 21 31 00-0714	EA		20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,173.39	
28 21 31 00-0715	EA		50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	4,830.34	
28 21 31 00-0716	EA		100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	8,451.27	
28 21 31 00-0717	EA		200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	14,486.85	
28 21 31 00-0718	EA		500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	30,179.98	
28 21 31 00-0719	EA		0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	6,519.50	
28 21 31 00-0720	EA		1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	6,921.95	
28 21 31 00-0721	EA		4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	10,947.40	
28 21 31 00-0722	EA		0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,244.32	
28 21 31 00-0723	EA		1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	7,646.76	
28 21 31 00-0724	EA		4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	11,670.13	
28 21 31 00-0725	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,003.06	
28 21 31 00-0726	EA		1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	7,406.54	
28 21 31 00-0727	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	11,430.95	
28 21 31 00-0728	EA		0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	8,209.34	
28 21 31 00-0729	EA		1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	8,611.78	
28 21 31 00-0730	EA		4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	12,637.24	
28 21 31 00-0731			Video Recording Equipment (28 21 31 00-0001)		
28 21 31 00-0732			Digital Video Recorders (28 21 31 00-0731)		
28 21 31 00-0733	EA		8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	11,469.09	61.37
28 21 31 00-0734	EA		8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	15,726.44	61.37
28 21 31 00-0735	EA		8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	19,984.83	61.37
28 21 31 00-0736	EA		16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	13,807.82	61.37
28 21 31 00-0737	EA		16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	18,065.17	61.37
28 21 31 00-0738	EA		16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	22,323.57	61.37
28 21 31 00-0739	EA		24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	15,094.18	61.37
28 21 31 00-0740	EA		24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	19,351.53	61.37
28 21 31 00-0741	EA		24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	23,609.92	61.37
28 21 31 00-0742	EA		32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	17,432.92	61.37
28 21 31 00-0743	EA		32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	21,690.27	61.37
28 21 31 00-0744	EA		32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	25,948.66	61.37
28 21 31 00-0745	EA		16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	12,660.09	61.37
28 21 31 00-0746			Digital Video Recorder Accessories (28 21 31 00-0731)		
28 21 31 00-0747	EA		16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,121.04	30.68
28 21 31 00-0748			Matrix Systems And Controls (28 21 31 00-0001)		
28 21 31 00-0749			Video Multiplexers (28 21 31 00-0748)		
28 21 31 00-0750			Monochrome Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0751	EA		9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,113.11	61.37
28 21 31 00-0752	EA		16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,997.68	61.37
28 21 31 00-0753			Color Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0754	EA		4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,429.89	61.37
28 21 31 00-0755	EA		9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,720.41	61.37
28 21 31 00-0756	EA		16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,948.15	61.37
28 21 31 00-0757			Color Simplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0758	EA		9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,287.81	61.37
28 21 31 00-0759	EA		16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,670.50	61.37
28 21 31 00-0760			Video Multiplexer Accessories (28 21 31 00-0749)		
28 21 31 00-0761	EA		Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,265.77	41.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0762 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	747.90	41.91
28 21 31 00-0763 EA Video Multiplexer Server (Pelco MX4000SVR)	2,113.11	61.37
28 21 31 00-0764 Quad Video Processor <small>(28 21 31 00-0748)</small>		
28 21 31 00-0765 EA Monochrome, Quad Video Processor (Pelco QD104M)	655.15	30.68
28 21 31 00-0766 EA Color, Quad Video Processor (Pelco QD104C)	1,071.11	30.68
28 21 31 00-0767 Switcher <small>(28 21 31 00-0748)</small>		
28 21 31 00-0768 Terminating Manual Switchers <small>(28 21 31 00-0767)</small>		
28 21 31 00-0769 Terminating Manual Switchers <small>(28 21 31 00-0768)</small>		
28 21 31 00-0770 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	229.00	24.55
28 21 31 00-0771 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	310.11	24.55
28 21 31 00-0772 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	376.67	24.55
28 21 31 00-0773 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	614.81	24.55
28 21 31 00-0774 Audio Follow, Terminating Manual Switchers <small>(28 21 31 00-0768)</small>		
28 21 31 00-0775 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	295.56	24.55
28 21 31 00-0776 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	519.13	24.55
28 21 31 00-0777 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	904.94	24.55
28 21 31 00-0778 Balanced Audio Follow, Terminating Manual Switchers <small>(28 21 31 00-0768)</small>		
28 21 31 00-0779 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	394.35	24.55
28 21 31 00-0780 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	720.88	24.55
28 21 31 00-0781 Looping Manual Switchers <small>(28 21 31 00-0767)</small>		
28 21 31 00-0782 Looping Manual Switchers <small>(28 21 31 00-0781)</small>		
28 21 31 00-0783 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	256.04	24.55
28 21 31 00-0784 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	350.67	24.55
28 21 31 00-0785 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	446.34	24.55
28 21 31 00-0786 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	734.39	24.55
28 21 31 00-0787 Audio Follow, Looping Manual Switchers <small>(28 21 31 00-0781)</small>		
28 21 31 00-0788 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	318.43	24.55
28 21 31 00-0789 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	554.49	24.55
28 21 31 00-0790 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	760.39	24.55
28 21 31 00-0791 Balanced Audio Follow, Looping Manual Switchers <small>(28 21 31 00-0781)</small>		
28 21 31 00-0792 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	422.42	24.55
28 21 31 00-0793 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	763.51	24.55
28 21 31 00-0794 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	960.05	24.55
28 21 31 00-0795 Sequential Switchers <small>(28 21 31 00-0767)</small>		
28 21 31 00-0796 Single Output, Sequential Switchers <small>(28 21 31 00-0795)</small>		
28 21 31 00-0797 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	447.38	24.55
28 21 31 00-0798 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	665.76	24.55
28 21 31 00-0799 Dual Outputs, Sequential Switchers <small>(28 21 31 00-0795)</small>		
28 21 31 00-0800 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	558.65	24.55
28 21 31 00-0801 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	772.87	24.55
28 21 31 00-0802 Controls <small>(28 21 31 00-0748)</small>		
28 21 31 00-0803 Direct/Multi-Cable Controls <small>(28 21 31 00-0802)</small>		
28 21 31 00-0804 EA Scanner Control Module (Pelco MPS524DT)	388.95	61.37
28 21 31 00-0805 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	414.95	61.37
28 21 31 00-0806 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	459.67	61.37
28 21 31 00-0807 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT)	480.47	61.37
28 21 31 00-0808 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	755.00	61.37
28 21 31 00-0809 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	830.91	61.37
28 21 31 00-0810 Coaxitron Controls <small>(28 21 31 00-0802)</small>		
28 21 31 00-0811 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	554.48	41.91
28 21 31 00-0812 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,044.28	41.91

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0813 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	1,184.66	41.91
28 21 31 00-0814 Digital Controls (28 21 31 00-0802)		
28 21 31 00-0815 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	742.70	41.91
28 21 31 00-0816 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	1,255.38	41.91
28 21 31 00-0817 Lock Boxes (28 21 31 00-0748)		
28 21 31 00-0818 EA VCR Lock Box (Pelco LB1000).....	454.98	46.03
For Wall Mount, Add 165.00		
28 21 31 00-0819 EA Computer Disk Drive Lock Box (Pelco LB2000)	465.37	46.03
28 21 31 00-0820 EA VCR And Multiplexer Lock Box (Pelco LB3000)	850.14	46.03
Note: Includes storage for 32 VCR tapes.		
28 21 31 00-0821 Test And Certification Of Surveillance Camera System (28 21 31)		
28 21 31 00-0822 DAY Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	972.34	
28 21 31 00-0823 HR Test And Certification Of Surveillance Camera System.....	303.86	
28 21 31 00-0824 Programming Of Surveillance Camera System (28 21 31)		
28 21 31 00-0825 HR Programming Of Surveillance Camera System	364.63	
28 21 31 00-0826 Removal And Reinstallation Of Cameras (28 21 31)		
Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827 EA Removal And Reinstallation Of Camera System	552.34	

28 40 Life Safety (28)

Note: Includes testing of new devices and certification.

28 42 Gas Detection and Alarm (28 40)**28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems** (28 42)**28 42 11 00-0001 Monitoring System For Underground Tanks** (28 42 11)**28 42 11 00-0002 Continuous Leak Detection System** (28 42 11 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003 EA Single Channel Underground Tank Monitoring System	17,034.20	502.03
28 42 11 00-0004 EA 2 Channel Underground Tank Monitoring System	23,000.87	669.77
28 42 11 00-0005 EA 3 Channel Underground Tank Monitoring System	33,054.74	717.53
28 42 11 00-0006 EA 4 Channel Underground Tank Monitoring System	34,934.22	1,004.05
28 42 11 00-0007 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	25,924.65	85.71
28 42 11 00-0008 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	23,380.47	76.53
28 42 11 00-0009 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	30,777.75	85.71
28 42 11 00-0010 EA Tank Leak Detection Probe	9,545.29	18.37
28 42 11 00-0011 EA Secondary Containment Collar Probe.....	1,153.87	7.34
28 42 11 00-0012 EA Interstitial Leak Detection Probe	2,110.88	15.31
28 42 11 00-0013 EA Liquid Phase Detection	6,976.43	45.92
28 42 11 00-0014 EA Hydrocarbon Vapor, Fixed.....	6,431.69	45.92
28 42 11 00-0015 EA Hydrocarbon Vapor, Float Mounted.....	7,526.95	52.04
28 42 11 00-0016 EA Liquid And Vapor Hydrocarbon.....	8,616.42	52.04

28 42 15 Gas Detection Sensors (28 42)**28 42 15 00-0001 Hydrogen Gas Detection** (28 42 15)

28 42 15 00-0002 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,014.96	46.03
28 42 15 00-0003 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB).....	105.88	15.35
28 42 15 00-0004 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM).....	511.01	46.03

28 43 Fuel Oil Detection and Alarm (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm (28 40)**28 46 13 Fire-Alarm Systems** (28 46)**28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems** (28 46 13)

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001 Edwards Fire Alarm (28 46 13 31)		
28 46 13 31-0002 EST3 Life Safety And Security Control (28 46 13 31-0001)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0003				EST3 Network (28 46 13 31-0002)		
28 46 13 31-0004				Remote Annunciators (28 46 13 31-0003)		
28 46 13 31-0005	EA			Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	1,625.82	92.05
				Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0006	EA			Six Position Base Annunciator (EST3 3-6ANN).....	1,324.23	92.05
				Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0007	EA			Ten Position Base Annunciator (EST3 3-10ANN).....	1,675.90	92.05
				Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 13 31-0008	EA			Annunciator CPU (EST3 3-ANNCPU3).....	1,066.79	92.05
				Note: One Required per graphic annunciator.		
28 46 13 31-0009	EA			Annunciator Support Module (EST3 3-ANNSM).....	195.69	30.68
				Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 13 31-0010	EA			Liquid Crystal Display Module (EST3 3-LCD).....	684.45	92.05
				Note: Mounts over 3-CPU(1).		
28 46 13 31-0011	EA			Liquid Crystal Display Module (EST3 3-LCDXL).....	688.65	92.05
				Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 13 31-0012	EA			LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA).....	772.61	92.05
				Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 13 31-0013	EA			Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	902.47	61.37
				Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 13 31-0014	EA			Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....	135.82	30.68
				Note: Mounts up to three 3-EVDVRA modules.		
28 46 13 31-0015	EA			Central Processor Unit Module (EST3 3-CPU3).....	1,926.13	92.05
				Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0016	EA			120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3).....	1,702.07	30.68
				Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 13 31-0017				Remote Annunciators Cabinets (28 46 13 31-0003)		
28 46 13 31-0018	EA			Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB).....	146.52	30.68
28 46 13 31-0019	EA			Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB-S).....	134.25	24.55
28 46 13 31-0020	EA			Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	165.42	30.68
28 46 13 31-0021	EA			Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	153.15	24.55
28 46 13 31-0022	EA			Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	183.15	30.68
28 46 13 31-0023	EA			Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	170.88	24.55
28 46 13 31-0024				Audio And Telephone Masters (28 46 13 31-0003)		
28 46 13 31-0025	EA			Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	5,306.13	122.74
28 46 13 31-0026	EA			Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	2,952.41	122.74
28 46 13 31-0027	EA			Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,900.97	122.74
28 46 13 31-0028	EA			Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	2,790.58	122.74
28 46 13 31-0029	EA			Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	3,187.71	122.74
28 46 13 31-0030	EA			Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,864.51	61.37
28 46 13 31-0031				Battery Distribution Unit (28 46 13 31-0003)		
28 46 13 31-0032	EA			Battery Distribution Unit (EST3 3-BTSEN).....	580.92	458.17
28 46 13 31-0033				Remote Booster Power Supply (28 46 13 31-0003)		
28 46 13 31-0034	EA			6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A).....	919.75	92.05
28 46 13 31-0035	EA			10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	1,050.64	92.05
28 46 13 31-0036	EA			10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	1,147.08	92.05
28 46 13 31-0037	EA			Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	149.69	30.68
28 46 13 31-0038				Batteries And Battery Cabinets (28 46 13 31-0003)		
28 46 13 31-0039	EA			1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	113.75	30.68
28 46 13 31-0040	EA			4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	142.18	30.68
28 46 13 31-0041	EA			24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	338.36	30.68
28 46 13 31-0042	EA			6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	153.57	30.68
28 46 13 31-0043	EA			40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	429.43	30.68
28 46 13 31-0044	EA			10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)).....	240.91	30.68
28 46 13 31-0045	EA			50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	873.15	30.68
28 46 13 31-0046	EA			17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	246.78	30.68
28 46 13 31-0047	EA			65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	1,051.55	30.68
28 46 13 31-0048	EA			8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	136.64	30.68
28 46 13 31-0049	EA			10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	122.44	30.68
28 46 13 31-0050	EA			14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1).....	439.97	61.37
				Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 13 31-0051	EA			22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2).....	363.39	61.37
				Note: Holds up to two 12V17A batteries.		
28 46 13 31-0052	EA			Remote Closet Enclosure (EST3 3-RCC7R).....	1,245.96	122.74
28 46 13 31-0053	EA			Remote Closet Enclosure (EST3 3-RCC14R).....	1,547.46	122.74

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0054 EA Remote Closet Enclosure (EST3 3-RCC21R)	2,172.68	122.74
28 46 13 31-0055 Serial Printer (28 46 13 31-0003)		
28 46 13 31-0056 EA System Printer - Desk Top Style (EST3 PT-1S)	974.35	30.68
28 46 13 31-0057 Intelligent Analog Initiating Devices (28 46 13 31-0002)		
28 46 13 31-0058 Detectors, Signature (28 46 13 31-0057)		
28 46 13 31-0059 EA Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	263.56	46.03
28 46 13 31-0060 EA Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	296.66	46.03
28 46 13 31-0061 EA Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	253.70	46.03
28 46 13 31-0062 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	224.11	46.03
28 46 13 31-0063 EA Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	233.97	46.03
28 46 13 31-0064 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	191.13	46.03
28 46 13 31-0065 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	191.13	46.03
28 46 13 31-0066 EA Passive Infrared Motion Detector (EST3 SIGA-MD).....	305.47	46.03
28 46 13 31-0067 EA Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	337.77	46.03
28 46 13 31-0068 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	284.31	46.03
28 46 13 31-0069 EA Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	412.56	46.03
28 46 13 31-0070 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	236.45	46.03
28 46 13 31-0071 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	236.45	46.03
28 46 13 31-0072 EA Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS).....	327.41	46.03
28 46 13 31-0073 Detectors, Duct Housings and Accessories, Signature (28 46 13 31-0057)		
28 46 13 31-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	534.47	76.72
28 46 13 31-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG).....	22.71	
28 46 13 31-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120).....	69.64	18.41
28 46 13 31-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	139.26	24.55
28 46 13 31-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	189.31	24.55
28 46 13 31-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	82.15	24.55
28 46 13 31-0080 Modules, Signature (28 46 13 31-0057)		
28 46 13 31-0081 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	249.33	30.68
28 46 13 31-0082 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	116.94	30.68
28 46 13 31-0083 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	155.70	30.68
28 46 13 31-0084 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	222.95	30.68
28 46 13 31-0085 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	170.32	30.68
28 46 13 31-0086 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	178.37	30.68
28 46 13 31-0087 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR).....	137.42	30.68
Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).		
28 46 13 31-0088 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	193.43	30.68
28 46 13 31-0089 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	259.36	30.68
28 46 13 31-0090 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	252.74	30.68
28 46 13 31-0091 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	242.88	30.68
28 46 13 31-0092 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	222.43	191.74
28 46 13 31-0093 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)	162.00	30.68
Note: Factory programmed for non-latching monitor operation.		
28 46 13 31-0094 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	260.45	30.68
28 46 13 31-0095 Module Accessories, Signature (28 46 13 31-0057)		
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	63.81	15.35
28 46 13 31-0097 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	219.75	30.68
28 46 13 31-0098 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, - UM And -MAB Modules (EST3 235196P).....	23.34	9.20
28 46 13 31-0099 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1- Gang Signature Modules (EST3 SIGA-MP1).....	75.22	15.35
28 46 13 31-0100 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1- Gang Signature Modules (EST3 SIGA-MP2).....	67.02	15.35
28 46 13 31-0101 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	70.26	15.35
28 46 13 31-0102 Single Action Pull Stations, Signature (28 46 13 31-0057)		
28 46 13 31-0103 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	271.26	63.82
28 46 13 31-0104 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	320.73	63.82
28 46 13 31-0105 EA GA Key - For Pre Signal Station (EST3 276-K2)	37.39	31.25
28 46 13 31-0106 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	46.92	40.78
28 46 13 31-0107 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	70.46	45.91



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0108 Double Action Pull Stations, Signature <small>(28 46 13 31-0057)</small>					
		EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	209.76	63.82
		EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	47.63	6.13
28 46 13 31-0111 Detector Bases and Accessories, Signature <small>(28 46 13 31-0057)</small>					
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.					
		EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	136.99	15.35
		EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	50.57	15.35
		EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	171.31	15.35
		EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	96.77	15.35
		EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	113.25	15.35
		EA	Detector Mounting Plate (EST3 SIGA-DMP)	179.20	15.35
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.					
		EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	63.81	15.35
		EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	23.48	9.20
		EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	23.48	9.20
		EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	68.02	9.20
		EA	Detector Base With Isolator (EST3 SIGA-IB)	111.59	15.35
		EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	118.65	15.35
		EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	68.70	15.35
		EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	99.26	15.35
		EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	43.11	15.35
28 46 13 31-0127 Controllers, Signature <small>(28 46 13 31-0057)</small>					
		EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,805.24	92.05
		EA	Single Signature Loop Controller (EST3 3-SDDC1)	2,179.63	92.05
		EA	Signature Loop Controller (EST3 3-SDC1)	1,957.74	92.05
		EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,140.15	92.05
28 46 13 31-0132 Relays And Accessories <small>(28 46 13 31-0057)</small>					
		EA	Multi Voltage Relay (EST3 MR101)	200.95	30.68
		EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	59.60	15.35
28 46 13 31-0135 Notification Appliances <small>(28 46 13 31-0002)</small>					
28 46 13 31-0136 Wall Strobes, Horns And Chimes <small>(28 46 13 31-0135)</small>					
		EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	162.55	46.03
		EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	162.55	46.03
		EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	185.52	46.03
		EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	136.68	46.03
		EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	136.68	46.03
		EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	136.68	46.03
		EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	136.68	46.03
		EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	114.94	46.03
		EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	114.94	46.03
		EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	114.94	46.03
		EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	279.24	46.03
		EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	279.24	46.03
		EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	182.72	46.03
		EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	182.72	46.03
		EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	162.55	46.03
		EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	162.55	46.03
		EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	162.55	46.03
		EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	162.55	46.03
		EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	169.01	46.03
		EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	169.01	46.03
		EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	184.11	46.03
		EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	169.01	46.03
		EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	169.01	46.03
		EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	100.81	46.03
		EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	100.81	46.03
28 46 13 31-0162 Wall Speakers And Speaker Strobes <small>(28 46 13 31-0135)</small>					
		EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	134.73	46.03
		EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	207.56	46.03
		EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	134.73	46.03
		EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	207.56	46.03

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0167	EA		Surface Box, White, For Genesis Speaker (EST3 G4B).....	66.85	24.55
28 46 13 31-0168	EA		Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	66.85	24.55
28 46 13 31-0169			Ceiling Speakers And Speaker Strobes <small>(28 46 13 31-0135)</small>		
28 46 13 31-0170	EA		Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	161.15	46.03
28 46 13 31-0171	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	207.56	46.03
28 46 13 31-0172	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	222.26	46.03
28 46 13 31-0173			Harsh Environment Signals <small>(28 46 13 31-0135)</small>		
28 46 13 31-0174	EA		Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T).....	143.07	46.03
28 46 13 31-0175	EA		15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	201.03	46.03
28 46 13 31-0176	EA		110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	201.03	46.03
28 46 13 31-0177	EA		15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T).....	183.80	46.03
28 46 13 31-0178	EA		15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T).....	172.34	46.03
28 46 13 31-0179	EA		30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T).....	183.80	46.03
28 46 13 31-0180	EA		60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T).....	183.80	46.03
28 46 13 31-0181	EA		110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T).....	183.80	46.03
28 46 13 31-0182	EA		15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	203.20	52.17
28 46 13 31-0183	EA		110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	203.20	52.17
28 46 13 31-0184	EA		15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	150.06	46.03
28 46 13 31-0185	EA		30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	195.54	46.03
28 46 13 31-0186			Fire Alarm Bells <small>(28 46 13 31-0135)</small>		
28 46 13 31-0187	EA		10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	217.12	46.03
28 46 13 31-0188	EA		6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	173.82	46.03
28 46 13 31-0189	EA		10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	192.30	46.03
28 46 13 31-0190			Multiple Tone Signal <small>(28 46 13 31-0135)</small>		
28 46 13 31-0191	EA		27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	1,391.09	1,345.07
28 46 13 31-0192			Multi-Purpose Loudspeaker <small>(28 46 13 31-0135)</small>		
28 46 13 31-0193	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	286.17	46.03
28 46 13 31-0194	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	286.17	46.03
28 46 13 31-0195			Bell/Strobe Plate <small>(28 46 13 31-0135)</small>		
28 46 13 31-0196	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	144.77	24.55
28 46 13 31-0197			Mounting Accessories <small>(28 46 13 31-0135)</small>		
28 46 13 31-0198	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	68.19	24.55
28 46 13 31-0199	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	68.19	24.55
28 46 13 31-0200	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	68.19	24.55
28 46 13 31-0201	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	68.19	24.55
28 46 13 31-0202	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	68.19	24.55
28 46 13 31-0203			Firefighters' Telephones <small>(28 46 13 31-0135)</small>		
28 46 13 31-0204	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,246.11	76.72
28 46 13 31-0205	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	699.78	76.72
28 46 13 31-0206	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	503.03	76.72
28 46 13 31-0207	EA		Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	365.87	76.72
28 46 13 31-0208	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	675.29	76.72
28 46 13 31-0209	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	414.82	76.72
28 46 13 31-0210	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	761.99	76.72
28 46 13 31-0211	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	431.14	76.72
28 46 13 31-0212	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	873.02	76.72
28 46 13 31-0213	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	94.88	24.55
28 46 13 31-0214	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	109.09	24.55
28 46 13 31-0215	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	153.56	
28 46 13 31-0216	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	153.56	
28 46 13 31-0217	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	231.82	30.68
28 46 13 31-0218	EA		Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2).....	288.36	30.68
28 46 13 31-0219	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	203.55	30.68
28 46 13 31-0220	EA		Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4).....	195.24	30.68
28 46 13 31-0221	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	143.70	46.03
28 46 13 31-0222	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,286.80	61.37
28 46 13 31-0223			Mass Notification EC Appliances <small>(28 46 13 31-0135)</small>		
28 46 13 31-0224	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	169.06	46.03
28 46 13 31-0225	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	163.19	46.03



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 13 31-0226 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	169.06	46.03
				28 46 13 31-0227 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	163.19	46.03
				28 46 13 31-0228 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	25.43	9.20
28 46 13 31-0229				Hazardous Location Devices (28 46 13 31-0002)		
28 46 13 31-0230				Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0229)		
				28 46 13 31-0231 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	150.63	46.03
				28 46 13 31-0232 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	150.63	46.03
				28 46 13 31-0233 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	156.94	46.03
				28 46 13 31-0234 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	156.94	46.03
				28 46 13 31-0235 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	215.29	46.03
				28 46 13 31-0236 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	215.29	46.03
				28 46 13 31-0237 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	156.94	46.03
				28 46 13 31-0238 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	156.94	46.03
28 46 13 31-0239				Hazardous Locations Fire Alarm Station (28 46 13 31-0229)		
				28 46 13 31-0240 EA Hazardous Location Fire Alarm Station (EST3 XAL53).....	1,320.18	76.72
				28 46 13 31-0241 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE).....	1,256.79	76.72
28 46 13 31-0242				Hazardous Location Strobes (28 46 13 31-0229)		
				28 46 13 31-0243 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ).....	1,962.66	46.03
				28 46 13 31-0244 EA Wall Bracket Mounting Elbow (EST3 116EX-B).....	366.25	15.35
				28 46 13 31-0245 EA Ceiling / Wall Mounting Module (EST3 116EX-C).....	479.17	18.41
				28 46 13 31-0246 EA Pendant Mounting Module (EST3 116EX-P).....	351.59	18.41
28 46 13 31-0247				Hazardous Location Bells (28 46 13 31-0229)		
				28 46 13 31-0248 EA 6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW).....	1,416.21	46.03
				28 46 13 31-0249 EA 8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW).....	1,452.91	46.03
				28 46 13 31-0250 EA 10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW).....	1,466.12	46.03
28 46 13 31-0251				Hazardous Location Horns (28 46 13 31-0229)		
				28 46 13 31-0252 EA Hazardous Location Horns (EST3 888D-N5).....	1,384.58	46.03
				28 46 13 31-0253 EA Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	1,130.65	46.03
28 46 13 31-0254				Door Holders And Relays (28 46 13 31-0002)		
28 46 13 31-0255				Electromagnetic Door Holders (28 46 13 31-0254)		
				28 46 13 31-0256 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5).....	247.36	46.03
				28 46 13 31-0257 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5).....	321.01	46.03
				28 46 13 31-0258 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5).....	209.75	46.03
				28 46 13 31-0259 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5).....	209.75	46.03
				28 46 13 31-0260 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5).....	213.15	46.03
				28 46 13 31-0261 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5).....	216.39	46.03
28 46 13 31-0262				Control Relays, Multi-Voltage (28 46 13 31-0254)		
				28 46 13 31-0263 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	50.01	9.20
28 46 13 31-0264				FireShield Plus (28 46 13 31-0002)		
28 46 13 31-0265				3 Zone System (28 46 13 31-0264)		
				28 46 13 31-0266 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R).....	1,338.07	368.23
				28 46 13 31-0267 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,950.40	490.97
				28 46 13 31-0268 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G).....	1,338.07	368.23
				28 46 13 31-0269 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,950.40	490.97
				28 46 13 31-0270 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	94.14	15.35
				28 46 13 31-0271 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	94.14	15.35

28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0272 5 Zone System <small>(28 46 13 31-0264)</small>		
28 46 13 31-0273 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,440.79	368.23
28 46 13 31-0274 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,047.24	490.97
28 46 13 31-0275 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,440.79	368.23
28 46 13 31-0276 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,047.24	490.97
28 46 13 31-0277 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	94.14	15.35
28 46 13 31-0278 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	94.14	15.35
28 46 13 31-0279 10 Zone System <small>(28 46 13 31-0264)</small>		
28 46 13 31-0280 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,082.46	490.97
28 46 13 31-0281 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,694.80	613.70
28 46 13 31-0282 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,038.44	490.97
28 46 13 31-0283 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,694.80	613.70
28 46 13 31-0284 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	110.04	15.35
28 46 13 31-0285 EA NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	201.11	30.68
28 46 13 31-0286 FireShield Plus Off Premise Communication Options <small>(28 46 13 31-0264)</small>		
28 46 13 31-0287 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	442.89	30.68
28 46 13 31-0288 FireShield Plus Remote LED Annunciators <small>(28 46 13 31-0264)</small>		
28 46 13 31-0289 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	187.28	46.03
28 46 13 31-0290 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	187.28	46.03
28 46 13 31-0291 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	194.77	46.03
28 46 13 31-0292 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	37.50	9.20
28 46 13 31-0293 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	47.08	9.20
28 46 13 31-0294 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	70.09	9.20
28 46 13 31-0295 FireShield Plus Remote 10 Zone LED Annunciators <small>(28 46 13 31-0264)</small>		
28 46 13 31-0296 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	590.96	46.03
28 46 13 31-0297 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	649.65	46.03
28 46 13 31-0298 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	208.11	30.68
28 46 13 31-0299 FireShield Plus Remote Relays And Interfaces <small>(28 46 13 31-0264)</small>		
28 46 13 31-0300 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	220.08	30.68
28 46 13 31-0301 EA 11" Snap Track Holds 2-4 RRRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	90.89	18.41
28 46 13 31-0302 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	351.91	30.68
28 46 13 31-0303 FireShield Plus Accessories <small>(28 46 13 31-0264)</small>		
28 46 13 31-0304 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	20.42	
28 46 13 31-0305 EA 4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7)	12.39	
28 46 13 31-0306 iO Series Fire Control Panels <small>(28 46 13 31-0002)</small>		
28 46 13 31-0307 Intelligent Analog Control Panels <small>(28 46 13 31-0306)</small>		
28 46 13 31-0308 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	4,004.39	613.70
28 46 13 31-0309 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,289.06	613.70
28 46 13 31-0310 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,196.47	490.97
28 46 13 31-0311 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,328.53	490.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0312				Option Modules And Accessories For iO Series <small>(28 46 13 31-0306)</small>		
28 46 13 31-0313	EA			16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	385.53	46.03
28 46 13 31-0314	EA			16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	238.79	46.03
28 46 13 31-0315	EA			Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	238.79	46.03
28 46 13 31-0316	EA			Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	208.11	30.68
28 46 13 31-0317	EA			Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	430.62	24.55
28 46 13 31-0318	EA			Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	782.79	24.55
28 46 13 31-0319	EA			Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	92.31	15.35
28 46 13 31-0320	EA			Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	106.98	15.35
28 46 13 31-0321	EA			Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	1,443.38	61.37
28 46 13 31-0322				Remote Annunciators For iO Series <small>(28 46 13 31-0306)</small>		
28 46 13 31-0323	EA			Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	789.04	46.03
28 46 13 31-0324	EA			Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	825.74	46.03
28 46 13 31-0325				Remote Annunciator Accessories <small>(28 46 13 31-0306)</small>		
28 46 13 31-0326	EA			24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	89.38	15.35
28 46 13 31-0327	EA			12 Expander Cable (Cable Only) (EST3 7120313-01).....	60.03	15.35
28 46 13 31-0328	EA			24 Expander Cable (Cable Only) (EST3 7120313-02).....	82.03	15.35
28 46 13 31-0329	EA			Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	238.79	46.03
28 46 13 31-0330	EA			Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	275.46	46.03
28 46 13 31-0331	EA			Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	312.16	46.03
28 46 13 31-0332	EA			Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	60.03	15.35
28 46 13 31-0333	EA			Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	60.03	15.35
28 46 13 31-0334	EA			Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	124.15	15.35
28 46 13 31-0335				System Accessories <small>(28 46 13 31-0306)</small>		
28 46 13 31-0336	EA			Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	439.97	61.37
28 46 13 31-0337	EA			Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	1,983.27	490.97
28 46 13 31-0338				Conventional Initiating Devices <small>(28 46 13 31-0002)</small>		
28 46 13 31-0339				Detectors, Heat, Double Pole <small>(28 46 13 31-0338)</small>		
				Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA			Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	171.12	46.03
28 46 13 31-0341	EA			Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	171.12	46.03
28 46 13 31-0342	EA			Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	171.12	46.03
28 46 13 31-0343	EA			Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	171.12	46.03
28 46 13 31-0344				Detectors, Rate Compensation Heat, Accessories <small>(28 46 13 31-0338)</small>		
28 46 13 31-0345	EA			Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	105.09	46.03
28 46 13 31-0346	EA			Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	288.97	24.55
28 46 13 31-0347	EA			4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	89.97	30.68
28 46 13 31-0348				Detectors, Heat, Fire-Lite <small>(28 46 13 31-0338)</small>		
				Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA			Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	159.84	46.03
28 46 13 31-0350	EA			Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	159.84	46.03
28 46 13 31-0351				Audio Notification Systems (Standalone Voice Evacuation) <small>(28 46 13 31-0002)</small>		
28 46 13 31-0352				Audio Notification Panels <small>(28 46 13 31-0351)</small>		
28 46 13 31-0353	EA			Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	5,585.52	613.70
28 46 13 31-0354	EA			Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	5,585.52	613.70
28 46 13 31-0355	EA			Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	4,162.17	613.70

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0356 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,162.17	613.70
28 46 13 31-0357 EA Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	4,866.51	613.70
28 46 13 31-0358 EA Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	4,866.51	613.70
28 46 13 31-0359 Audio Notification Expander Panels (28 46 13 31-0351)		
28 46 13 31-0360 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,279.56	613.70
28 46 13 31-0361 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,279.56	613.70
28 46 13 31-0362 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,900.23	613.70
28 46 13 31-0363 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	2,900.23	613.70
28 46 13 31-0364 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,707.28	613.70
28 46 13 31-0365 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,707.28	613.70
28 46 13 31-0366 Audio Notification Output Accessories (28 46 13 31-0351)		
28 46 13 31-0367 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	162.74	15.35
28 46 13 31-0368 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	721.69	30.68
28 46 13 31-0369 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	721.69	30.68
28 46 13 31-0370 EA Class A Converter (GE ANSZSC4A)	516.26	30.68
28 46 13 31-0371 Audio Notification Remote Microphone (28 46 13 31-0351)		
28 46 13 31-0372 EA Microphone (GE ANSMIKE)	193.43	30.68
28 46 13 31-0373 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	795.06	30.68
28 46 13 31-0374 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	795.06	30.68
28 46 13 31-0375 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	177.42	15.35
28 46 13 31-0376 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	96.70	15.35
28 46 13 31-0377 Audio Notification Accessories (28 46 13 31-0351)		
28 46 13 31-0378 EA Audio Matching - Line Input/Output Card (GE ANSAUX)	325.50	30.68
28 46 13 31-0379 EA Class B Backup Amplifier Switching Module (GE ANSBKUP)	325.50	30.68
28 46 13 31-0380 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA)	325.50	30.68
28 46 13 31-0381 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRIS8)	721.69	30.68
28 46 13 31-0382 Audio Notification Modules, Without Cabinet And Transformer (28 46 13 31-0351)		
28 46 13 31-0383 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	2,631.95	61.37
Note: Excludes cabinet.		
28 46 13 31-0384 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)	2,764.02	61.37
Note: Excludes cabinet.		
28 46 13 31-0385 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	3,820.52	61.37
Note: Excludes cabinet.		
28 46 13 31-0386 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	1,443.38	61.37
Note: Excludes cabinet.		
28 46 13 31-0387 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	1,443.38	61.37
Note: Excludes cabinet.		
28 46 13 31-0388 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,631.95	61.37
28 46 13 31-0389 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A)	2,103.70	61.37
Note: Excludes cabinet.		
28 46 13 31-0390 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM)	2,235.76	61.37
Note: Excludes cabinet.		
28 46 13 31-0391 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)	3,292.27	61.37
Note: Excludes cabinet.		
28 46 13 31-0392 EA Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	162.74	15.35
28 46 13 31-0393 EA Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	120.25	15.35
28 46 13 31-0394 Simplex Fire Alarm (28 46 13 31)		
28 46 13 31-0395 4100 Fire Alarm Control Panel (28 46 13 31-0394)		
28 46 13 31-0396 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	6,897.71	612.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0397 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,535.00	612.22
28 46 13 31-0398 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	10,872.78	612.22
28 46 13 31-0399 EA Up To 127 Points, IDNet Module, (Simplex 4100-3104)	4,393.31	612.22
28 46 13 31-0400 EA Up To 64 Points, IDNet Module, (Simplex 4100-3105)	3,421.42	612.22
28 46 13 31-0401 EA Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	2,213.38	153.05
28 46 13 31-0402 EA Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)	463.10	30.61
28 46 13 31-0403 EA Dual Port RS-232 Interface Card (Simplex 4100-6038)	1,332.75	30.61
28 46 13 31-0404 4100U Backbox (28 46 13 31-0394)		
28 46 13 31-0405 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	2,306.96	122.44
28 46 13 31-0406 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	3,252.49	122.44
28 46 13 31-0407 DACT (Digital Alarm Communicator Transmitter) (28 46 13 31-0394)		
28 46 13 31-0408 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,263.51	61.22
28 46 13 31-0409 4010 Fire Alarm Control Panel (28 46 13 31-0394)		
28 46 13 31-0410 EA 120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,507.05	612.22
28 46 13 31-0411 EA 240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,313.19	612.22
28 46 13 31-0412 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	237.19	30.61
28 46 13 31-0413 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,037.64	30.61
28 46 13 31-0414 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,427.52	30.61
28 46 13 31-0415 EA 120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	732.31	30.61
28 46 13 31-0416 EA 240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	792.66	30.61
28 46 13 31-0417 EA Battery Meter Module Expansion Module (Simplex 4010-9820)	295.84	30.61
28 46 13 31-0418 Printer (28 46 13 31-0394)		
28 46 13 31-0419 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,300.60	30.61
28 46 13 31-0420 NAC Panel / Power Booster (28 46 13 31-0394)		
28 46 13 31-0421 EA 120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201)	1,477.06	153.05
28 46 13 31-0422 Battery (28 46 13 31-0394)		
28 46 13 31-0423 EA 50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296)	928.87	30.61
28 46 13 31-0424 EA 33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276)	616.20	30.61
28 46 13 31-0425 EA 6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272)	220.17	30.61
28 46 13 31-0426 Interface Modules (28 46 13 31-0394)		
28 46 13 31-0427 EA Supervised Individual Addressable Modules (Simplex 4090-9001)	177.20	30.61
28 46 13 31-0428 EA Relay Individual Addressable Modules (Simplex 4090-9002)	370.20	30.61
28 46 13 31-0429 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032)	86.27	30.61
28 46 13 31-0430 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	179.32	30.61
28 46 13 31-0431 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	79.64	15.31
28 46 13 31-0432 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	75.56	15.31
28 46 13 31-0433 Pull Stations (28 46 13 31-0394)		
28 46 13 31-0434 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001)	218.60	30.61
28 46 13 31-0435 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	155.22	30.61
28 46 13 31-0436 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	167.46	30.61
28 46 13 31-0437 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	149.70	30.61

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0438	EA		N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....	175.65	30.61
28 46 13 31-0439	EA		N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....	268.89	30.61
28 46 13 31-0440	EA		Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....	224.68	30.61
28 46 13 31-0441	EA		Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	265.54	30.61
28 46 13 31-0442	EA		Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754).....	121.16	30.61
28 46 13 31-0443	EA		Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755).....	128.64	30.61
28 46 13 31-0444	EA		Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	152.72	30.61
28 46 13 31-0445	EA		N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	240.25	30.61
28 46 13 31-0446	EA		Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759).....	419.27	30.61
28 46 13 31-0447	EA		Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	134.78	30.61
28 46 13 31-0448	EA		Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178).....	83.74	15.31
28 46 13 31-0449			Weatherproof Pull Stations (28 46 13 31-0394)		
28 46 13 31-0450	EA		Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138).....	212.43	36.73
28 46 13 31-0451	EA		Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211).....	138.03	15.31
28 46 13 31-0452			Heat / Smoke Sensor (28 46 13 31-0394)		
28 46 13 31-0453	EA		32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	212.21	45.92
28 46 13 31-0454	EA		Photoelectric Smoke Sensor (Simplex 4098-9714).....	312.52	45.92
28 46 13 31-0455	EA		Sensor Base With Relay Driver (Simplex 4098-9791).....	621.04	15.31
28 46 13 31-0456	EA		Standard Sensor Base (Simplex 4098-9792).....	314.38	15.31
28 46 13 31-0457	EA		Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737).....	177.95	30.61
			Note: Relay for 4098-9791		
28 46 13 31-0458			Explosion Proof Heat Detector (28 46 13 31-0394)		
28 46 13 31-0459	EA		135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	225.04	45.92
28 46 13 31-0460	EA		Explosion Proof Backbox (Killark JLX-21).....	149.14	15.31
28 46 13 31-0461	EA		Explosion Proof Backbox Plugs (Killark CUP-2).....	13.36	3.06
28 46 13 31-0462			Weatherproof Heat Detector (28 46 13 31-0394)		
28 46 13 31-0463	EA		194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	160.58	45.92
28 46 13 31-0464			200 Degree F Heat Detector (28 46 13 31-0394)		
28 46 13 31-0465	EA		194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	131.77	45.92
			Note: Used in kiln rooms and kitchens.		
28 46 13 31-0466			Duct Smoke Sensor (28 46 13 31-0394)		
28 46 13 31-0467	EA		Duct Sensor Housing (Simplex 4098-9755).....	500.21	24.49
28 46 13 31-0468	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756).....	671.04	55.10
			Note: Relay output for AHU shutdown.		
28 46 13 31-0469	EA		46" To 71" Duct Sampling Tube (Simplex 2098-9798).....	73.24	15.31
			Note: 25", 49", 73" or 97" sampling tube length.		
28 46 13 31-0470	EA		Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	172.74	45.92
28 46 13 31-0471			Interior Horn (28 46 13 31-0394)		
28 46 13 31-0472	EA		Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	159.34	45.92
28 46 13 31-0473	EA		White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	159.34	45.92
28 46 13 31-0474			Interior Horn Strobe (28 46 13 31-0394)		
28 46 13 31-0475	EA		75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426).....	223.08	45.92
28 46 13 31-0476	EA		110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427).....	223.08	45.92
28 46 13 31-0477	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	208.54	45.92
28 46 13 31-0478	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	208.54	45.92
28 46 13 31-0479	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	208.54	45.92
28 46 13 31-0480	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	208.54	45.92
28 46 13 31-0481	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	213.41	45.92
28 46 13 31-0482	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	213.41	45.92
28 46 13 31-0483	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	221.99	45.92
28 46 13 31-0484	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	218.03	45.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0485 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	221.99	45.92
28 46 13 31-0486 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	218.03	45.92
28 46 13 31-0487 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	208.54	45.92
28 46 13 31-0488 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	208.54	45.92
28 46 13 31-0489 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	208.54	45.92
28 46 13 31-0490 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	208.54	45.92
28 46 13 31-0491 Interior Strobe <small>(28 46 13 31-0394)</small>		
28 46 13 31-0492 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	177.64	45.92
28 46 13 31-0493 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	177.64	45.92
28 46 13 31-0494 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	177.58	45.92
28 46 13 31-0495 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	177.64	45.92
28 46 13 31-0496 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	196.12	45.92
28 46 13 31-0497 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	196.12	45.92
28 46 13 31-0498 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	197.30	45.92
28 46 13 31-0499 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	200.52	45.92
28 46 13 31-0500 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	200.52	45.92
28 46 13 31-0501 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	200.52	45.92
28 46 13 31-0502 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	177.64	45.92
28 46 13 31-0503 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	177.64	45.92
28 46 13 31-0504 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	177.64	45.92
28 46 13 31-0505 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	177.64	45.92
28 46 13 31-0506 Interior Speakers <small>(28 46 13 31-0394)</small>		
28 46 13 31-0507 EA Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	143.69	45.92
28 46 13 31-0508 EA White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	143.69	45.92
28 46 13 31-0509 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	143.69	45.92
28 46 13 31-0510 Interior Speaker Strobe <small>(28 46 13 31-0394)</small>		
28 46 13 31-0511 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	237.48	45.92
28 46 13 31-0512 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	237.48	45.92
28 46 13 31-0513 Surge Suppressors <small>(28 46 13 31-0394)</small>		
28 46 13 31-0514 EA Overvoltage Suppressor (Simplex 2081-9044).....	155.94	9.18
28 46 13 31-0515 EA Isolated Loop Circuit Protector (Simplex 2081-9028)	99.33	9.18
28 46 13 31-0516 EA 120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	335.32	9.18
28 46 13 31-0517 EA 24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHL24B)	113.91	9.18
28 46 13 31-0518 EA Mounting Base For Two DTK-2MHL24 (Ditek DTK-2MB)	171.48	15.31
28 46 13 31-0519 EA 120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	116.81	9.18
28 46 13 31-0520 EA <105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	87.63	9.18
28 46 13 31-0521 Boxes And Adapters <small>(28 46 13 31-0394)</small>		
28 46 13 31-0522 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	75.56	15.31
28 46 13 31-0523 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	71.47	15.31
28 46 13 31-0524 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	63.46	15.31
28 46 13 31-0525 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	52.09	15.31
28 46 13 31-0526 Accessories <small>(28 46 13 31-0394)</small>		
28 46 13 31-0527 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	35.36	15.31
28 46 13 31-0528 Siemens Fire Alarm <small>(28 46 13 31)</small>		

28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0529			Conventional Control Panels (28 46 13 31-0528)		
28 46 13 31-0530			SXL Batteries And Power Supplies (28 46 13 31-0529)		
28 46 13 31-0531	EA		6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,319.82	61.22
28 46 13 31-0532	EA		Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,061.56	61.22
28 46 13 31-0533			Digital Fire Communicators (28 46 13 31-0529)		
28 46 13 31-0534	EA		Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,027.52	61.22
28 46 13 31-0535			Addressable Control Panels (28 46 13 31-0528)		
28 46 13 31-0536			Fireseeker Equipment (28 46 13 31-0535)		
28 46 13 31-0537			FS-250 System Panels (28 46 13 31-0536)		
28 46 13 31-0538	EA		FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	3,121.47	612.22
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 13 31-0539	EA		FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)	3,910.33	612.22
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0540	EA		FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)	2,317.81	489.78
			Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0541	EA		Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,126.17	612.22
28 46 13 31-0542			FS-250 Optional Modules (28 46 13 31-0536)		
28 46 13 31-0543	EA		Main Board Module (Siemens FS-MB2)	1,329.21	61.22
28 46 13 31-0544	EA		Display Board Module (Siemens FS-DB2)	1,037.90	30.61
28 46 13 31-0545	EA		Device Loop Card (Siemens FS-DLC)	850.08	30.61
28 46 13 31-0546	EA		Releasing Module (Siemens FS-REL)	375.83	30.61
28 46 13 31-0547	EA		Remote LCD Annunciator (Siemens FS-RD2)	844.21	30.61
28 46 13 31-0548	EA		Relay Processor Card (Siemens FS-RU2)	732.69	30.61
28 46 13 31-0549	EA		Relay Expander Board (Siemens FS-REB)	624.69	30.61
28 46 13 31-0550	EA		Serial Annunciator Processor Card (Siemens FS-SAU2)	844.21	30.61
28 46 13 31-0551	EA		16 Output Annunciator Extender (Siemens FS-SAE16)	657.56	30.61
28 46 13 31-0552	EA		Digital Alarm Communication Transmitter (Siemens FS-DACT)	597.69	30.61
28 46 13 31-0553	EA		Municipal Tie Module (Siemens FS-MT)	507.30	30.61
28 46 13 31-0554	EA		Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	459.35	
28 46 13 31-0555	EA		Programming Cable Kit (Siemens CBL-UD)	121.00	15.31
28 46 13 31-0556	EA		Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	217.35	30.61
28 46 13 31-0557	EA		Releasing Power Transformer (Siemens FS-RPT-A)	220.87	30.61
28 46 13 31-0558	EA		Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	250.89	24.49
28 46 13 31-0559	EA		Cabinet Trim Kit (Siemens RD-CAB-TK)	410.95	15.31
28 46 13 31-0560			Firefinder Systems (28 46 13 31-0535)		
28 46 13 31-0561			XLS Basic Fire System Packages Without Backbox (28 46 13 31-0560)		
28 46 13 31-0562	EA		500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)	11,080.59	612.22
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0563	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)	9,739.99	612.22
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0564	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)	9,739.99	612.22
			Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0565	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)	16,403.05	612.22
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0566	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)	16,959.48	612.22
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0567	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)	9,604.99	612.22
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0568 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	9,604.99	612.22
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0569 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	11,173.32	612.22
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0570 Firefinder - XLS Basic System Equipment (28 46 13 31-0560)		
28 46 13 31-0571 EA Person Machine Interface With Central Processor (Siemens PMI).....	5,137.06	612.22
Note: Includes inner door.		
28 46 13 31-0572 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	8,601.24	612.22
Note: Includes inner door.		
28 46 13 31-0573 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	5,137.06	612.22
Note: Includes inner door.		
28 46 13 31-0574 EA Two Slot Card Cage (Siemens CC-2).....	643.47	30.61
28 46 13 31-0575 EA Five Slot Card Cage (Siemens CC-5).....	1,090.73	30.61
28 46 13 31-0576 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,560.29	30.61
28 46 13 31-0577 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,629.55	30.61
28 46 13 31-0578 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	512.00	30.61
28 46 13 31-0579 EA Device Loop Card (Siemens DLC).....	1,850.24	30.61
Note: Interfaces with up to 252 detectors and devices.		
28 46 13 31-0580 EA Controllable Relay Card (Siemens CRC-6).....	1,046.12	30.61
Note: Provides six programmable relays.		
28 46 13 31-0581 EA 12 Amperes Power Supply Charger Module (Siemens PSC-12).....	3,973.83	30.61
28 46 13 31-0582 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	6,703.04	612.22
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 13 31-0583 EA Network Interface Card (Siemens NIC-C).....	1,224.55	30.61
Note: Provides HNET Or XNET communication between enclosures.		
28 46 13 31-0584 EA 12 Amperes Power Supply Extender (Siemens PSX-12).....	3,304.71	30.61
Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 13 31-0585 EA Power Termination Board (Siemens PTB).....	554.26	30.61
Note: Used with systems requiring more than one PSX-12.		
28 46 13 31-0586 EA Conventional Detector Card (Siemens CDC-4).....	1,179.95	30.61
28 46 13 31-0587 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	2,315.11	30.61
28 46 13 31-0588 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	8,334.87	30.61
28 46 13 31-0589 Remote Lobby Enclosure (28 46 13 31-0560)		
28 46 13 31-0590 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	1,520.92	122.44
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 13 31-0591 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	1,967.00	122.44
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 13 31-0592 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	240.83	30.61
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 46 13 31-0593 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	263.13	30.61
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 46 13 31-0594 Battery Enclosures (28 46 13 31-0560)		
28 46 13 31-0595 EA Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	938.66	122.44
28 46 13 31-0596 Graphic Annunciator Output Drivers And Inputs (28 46 13 31-0560)		
28 46 13 31-0597 EA Output Control Module (Siemens OCM-16).....	754.99	30.61
28 46 13 31-0598 EA Supervised Input Module (Siemens SIM-16).....	754.99	30.61
28 46 13 31-0599 Remote LCD Displays (28 46 13 31-0560)		
28 46 13 31-0600 EA Remote LED/LCD System Status Display (Siemens SSD).....	1,748.47	91.83
Note: No control or menu capability.		
28 46 13 31-0601 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,972.68	91.83
28 46 13 31-0602 Voice Equipment (28 46 13 31-0560)		
28 46 13 31-0603 EA 40 Watts Zone Amplifier Card (Siemens ZAC-40).....	1,742.24	30.61
28 46 13 31-0604 EA 180 Watts Zone Amplifier Module (Siemens ZAM-180).....	3,863.48	30.61
28 46 13 31-0605 EA Live Voice Module (Siemens LVM).....	1,626.03	30.61
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 46 13 31-0606 MXL Series Equipment (28 46 13 31-0535)		
28 46 13 31-0607 MXL Optional Equipment (28 46 13 31-0606)		
28 46 13 31-0608 EA Two Circuit Analog Loop Driver (Siemens ALD-21).....	1,873.90	61.22
28 46 13 31-0609 EA CXL/MXL Interface Module (Siemens CMI-300).....	4,850.73	30.61
28 46 13 31-0610 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	831.30	30.61

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-0611	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	1,003.86	30.61
28 46	13 31-0612	EA	Remote Conventional Zone Module (Siemens CZM-1B6).....	377.00	30.61
28 46	13 31-0613	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1).....	232.61	30.61
28 46	13 31-0614	EA	Four Circuit Conventional Zone Module (Siemens CZM-4).....	976.86	30.61
28 46	13 31-0615	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	350.09	45.92
28 46	13 31-0616	EA	Lexan Window For RCC (Siemens GENBOX-WD).....	237.98	24.49
28 46	13 31-0617	EA	Input Driver Module (Siemens MID-16).....	639.95	30.61
28 46	13 31-0618	EA	Programmable Output Driver Module (Siemens MOD-16).....	639.95	30.61
28 46	13 31-0619	EA	MXL Output/Input Module (Siemens MOI-7).....	1,024.99	30.61
28 46	13 31-0620	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2).....	544.87	30.61
28 46	13 31-0621	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4).....	858.30	30.61
28 46	13 31-0622	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....	2,110.03	91.83
28 46	13 31-0623	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....	2,110.03	91.83
28 46	13 31-0624	EA	Network Interface Module (Siemens NIM-1W).....	1,529.77	30.61
28 46	13 31-0625	EA	U.L. Listed Parallel Printer (Siemens PAL-1).....	4,001.37	122.44
28 46	13 31-0626	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	447.43	30.61
28 46	13 31-0627	EA	Surface Mounted Remote Command Center (Siemens RCC-1).....	4,352.89	612.22
28 46	13 31-0628	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	536.83	61.22
28 46	13 31-0629	EA	Flush Mounted Remote Command Center (Siemens RCC-1F).....	4,352.89	612.22
28 46	13 31-0630	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	550.91	61.22
28 46	13 31-0631	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	3,337.47	612.22
28 46	13 31-0632	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	5,014.97	612.22
28 46	13 31-0633	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	83.44	15.31
28 46	13 31-0634	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	6,222.72	61.22
28 46	13 31-0635	EA	Remote Diagnostics Module For PC (Siemens RDM-PC).....	13,266.60	61.22
28 46	13 31-0636	EA	Releasing End Of Line Module (Siemens REL-EOL).....	189.18	30.61
28 46	13 31-0637	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	3,969.31	61.22
28 46	13 31-0638	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	3,789.70	61.22
28 46	13 31-0639	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	2,006.91	122.44
28 46	13 31-0640		Complete MXL And MXLV System Packages Without Enclosure (28 46 13 31-0606)		
28 46	13 31-0641	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One MPS-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP).....	14,479.03	612.22
			Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46	13 31-0642	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	18,878.80	612.22
			Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46	13 31-0643	EA	MXLV Demonstration Panel (Siemens MXLV DEMO).....	39,426.75	612.22
28 46	13 31-0644		MXL Basic System (28 46 13 31-0606)		
28 46	13 31-0645	EA	MXL/MXLV Main Control Board (Siemens MMB-3).....	8,942.91	612.22
28 46	13 31-0646	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	11,571.28	612.22
			Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46	13 31-0647	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	3,347.14	61.22
28 46	13 31-0648	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	4,194.70	61.22
28 46	13 31-0649	EA	6 Amperes Power Supply For MXL (Siemens MPS-6).....	1,451.47	91.83
28 46	13 31-0650	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12).....	106.91	15.31
28 46	13 31-0651		MXL/MXLV System Expansion Accessories (28 46 13 31-0606)		
28 46	13 31-0652	EA	MXL Remote Power Supply Module (Siemens PSR-1).....	1,783.69	91.83
28 46	13 31-0653	EA	Style 4 Communication Module (Siemens NET-4).....	365.26	30.61
28 46	13 31-0654	EA	Style 7 Communication Module (Siemens NET-7).....	666.95	30.61
28 46	13 31-0655	EA	MXL/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	399.30	30.61
28 46	13 31-0656		Peripheral Devices (28 46 13 31-0535)		
28 46	13 31-0657		Thermal Detectors (28 46 13 31-0656)		
28 46	13 31-0658	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	149.35	45.92
28 46	13 31-0659	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	149.35	45.92
28 46	13 31-0660	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	149.35	45.92
28 46	13 31-0661	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	149.35	45.92
28 46	13 31-0662	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	237.39	45.92
28 46	13 31-0663	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	237.39	45.92
28 46	13 31-0664	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	593.09	45.92
28 46	13 31-0665		Beam Smoke Detector (28 46 13 31-0656)		
28 46	13 31-0666	EA	Linear Beam Smoke Detector (Siemens PBA-1191).....	2,820.41	45.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0667 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	321.74	15.31
28 46 13 31-0668 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	325.26	15.31
28 46 13 31-0669 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	165.61	15.31
28 46 13 31-0670 Bases For Detectors (28 46 13 31-0656)		
28 46 13 31-0671 EA Detector Base (Siemens DB-11).....	48.22	15.31
28 46 13 31-0672 EA Universal Base (Siemens DB-3S).....	44.70	15.31
28 46 13 31-0673 Manual Stations (28 46 13 31-0656)		
28 46 13 31-0674 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	354.03	36.73
28 46 13 31-0675 Addressable Devices (28 46 13 31-0535)		
28 46 13 31-0676 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 13 31-0675)		
28 46 13 31-0677 EA Addressable Fireprint Fire Detector (Siemens HFP-11).....	293.74	45.92
28 46 13 31-0678 EA Addressable Thermal Fire Detector (Siemens HFPT-11).....	252.65	45.92
28 46 13 31-0679 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	204.52	45.92
28 46 13 31-0680 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	135.26	45.92
28 46 13 31-0681 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	135.26	45.92
28 46 13 31-0682 EA Addressable Single Action Manual Pull Station (Siemens HMS-S).....	308.91	30.61
28 46 13 31-0683 EA Addressable Double Action Manual Pull Station (Siemens HMS-D).....	294.83	30.61
28 46 13 31-0684 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	232.61	30.61
28 46 13 31-0685 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	285.43	30.61
28 46 13 31-0686 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	285.43	30.61
28 46 13 31-0687 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	215.00	30.61
28 46 13 31-0688 EA Line Isolator Module (Siemens HLIM).....	222.04	30.61
28 46 13 31-0689 EA Remote Convention Zone Module (Siemens HZM).....	330.04	30.61
28 46 13 31-0690 EA Intelligent Control Point Module (Siemens HCP).....	419.26	30.61
28 46 13 31-0691 EA Handheld Programming And Testing Unit (Siemens DPU).....	1,861.89	
28 46 13 31-0692 EA DPU Carrying Case (Siemens DPU-C1).....	286.02	
28 46 13 31-0693 EA Label Printer And Carrying Case (Siemens DPU-PRT).....	3,188.49	30.61
28 46 13 31-0694 Air Duct Housings And Detectors (28 46 13 31-0675)		
28 46 13 31-0695 EA Air-Duct Housing (Siemens AD2-P).....	338.93	24.49
28 46 13 31-0696 EA Air-Duct Housing With Relay (Siemens AD2-XHR).....	383.54	24.49
28 46 13 31-0697 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000).....	306.57	30.61
28 46 13 31-0698 EA 6" To 1' Duct Sampling Tube (Siemens ST-10).....	41.85	9.18
28 46 13 31-0699 EA >1' To 3' Duct Sampling Tube (Siemens ST-25).....	51.49	12.24
28 46 13 31-0700 EA >3' To 5' Duct Sampling Tube (Siemens ST-50).....	64.65	15.31
28 46 13 31-0701 EA >5' To 10' Duct Sampling Tube (Siemens ST-100).....	75.47	18.37
28 46 13 31-0702 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 13 31-0675)		
28 46 13 31-0703 EA Addressable Fireprint Fire Detector (Siemens FP-11).....	306.65	45.92
28 46 13 31-0704 EA Addressable Thermal Fire Detector (Siemens FPT-11).....	263.22	45.92
28 46 13 31-0705 EA Intelligent Ionization Smoke Detector (Siemens ILI-1).....	339.52	45.92
28 46 13 31-0706 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	300.70	30.61
28 46 13 31-0707 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	332.39	30.61
28 46 13 31-0708 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	304.22	30.61
28 46 13 31-0709 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	337.09	30.61
28 46 13 31-0710 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	337.09	30.61
28 46 13 31-0711 Detector Universal Bases (28 46 13 31-0675)		
28 46 13 31-0712 EA Detector Base With Relay (Siemens DB-X11RS).....	142.13	15.31
28 46 13 31-0713 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	71.70	15.31
28 46 13 31-0714 EA Locking Kit (Siemens LK-11).....	13.18	
28 46 13 31-0715 EA Detector Base With Relay (Siemens DB-X3RS).....	142.13	15.31
28 46 13 31-0716 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	165.61	15.31
28 46 13 31-0717 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	68.17	15.31
28 46 13 31-0718 EA Flush Trim Ring For Bases (Siemens RA-ADB).....	32.46	9.18
28 46 13 31-0719 EA Seal For DB-11 (Siemens DB11-SEAL).....	16.01	
28 46 13 31-0720 EA Gasket For DB-11 (Siemens DB-SEAL).....	17.56	
28 46 13 31-0721 EA Detector Guard Housing (Siemens DGH-11).....	209.04	15.31
28 46 13 31-0722 EA Small Detector Base (Siemens DB-11E).....	52.91	15.31
28 46 13 31-0723 EA Audible Base For Series 3 (Siemens ADBI-60A).....	186.74	15.31
28 46 13 31-0724 EA Base Plug (Siemens DB-11-DP).....	13.13	
28 46 13 31-0725 Air Duct Smoke Detectors (28 46 13 31-0675)		
28 46 13 31-0726 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	156.31	30.61
28 46 13 31-0727 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	820.73	30.61
28 46 13 31-0728 Notification Devices (28 46 13 31-0535)		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0729			Synchronization Control Devices (28 46 13 31-0728)		
28 46 13 31-0730	EA		Dual Synchronization Control Module (Siemens DSC).....	232.61	30.61
28 46 13 31-0731			Stand Alone Strobes (28 46 13 31-0728)		
28 46 13 31-0732	EA		Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	191.61	45.92
28 46 13 31-0733	EA		Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	209.22	45.92
28 46 13 31-0734	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	191.61	45.92
28 46 13 31-0735	EA		Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	209.22	45.92
28 46 13 31-0736	EA		Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	209.22	45.92
28 46 13 31-0737	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	191.61	45.92
28 46 13 31-0738	EA		Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	222.13	45.92
28 46 13 31-0739	EA		Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	212.74	45.92
28 46 13 31-0740	EA		Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	212.74	45.92
28 46 13 31-0741	EA		Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	228.00	45.92
28 46 13 31-0742	EA		Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	228.00	45.92
28 46 13 31-0743			Horns And Strobes (28 46 13 31-0728)		
28 46 13 31-0744	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	260.87	45.92
28 46 13 31-0745	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	276.13	45.92
28 46 13 31-0746	EA		Wall Mounted Horn (Siemens SE-R).....	149.35	45.92
28 46 13 31-0747	EA		Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	260.87	45.92
28 46 13 31-0748	EA		Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	276.13	45.92
28 46 13 31-0749	EA		Ceiling Mounted Horn (Siemens SEC-R).....	156.39	45.92
28 46 13 31-0750	EA		Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	260.87	45.92
28 46 13 31-0751	EA		Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	276.13	45.92
28 46 13 31-0752	EA		Wall Mounted Low Profile Horn (Siemens SEF-R).....	149.35	45.92
28 46 13 31-0753	EA		Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	260.87	45.92
28 46 13 31-0754	EA		Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	276.13	45.92
28 46 13 31-0755	EA		Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	156.39	45.92
28 46 13 31-0756	EA		Mini Horn (Siemens MH-R).....	123.53	45.92
28 46 13 31-0757	EA		Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	158.74	45.92
28 46 13 31-0758	EA		Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	245.61	45.92
28 46 13 31-0759	EA		Industrial Tri-Tone Horn (Siemens ASR).....	708.13	45.92
28 46 13 31-0760	EA		Wall Mounted Horn (Siemens HS-R).....	158.74	45.92
28 46 13 31-0761	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	246.78	45.92
28 46 13 31-0762	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	265.57	45.92
28 46 13 31-0763	EA		6" Motor Bell (Siemens MBDC-6).....	182.22	45.92
28 46 13 31-0764	EA		10" Motor Bell (Siemens MBDC-10).....	199.83	45.92
28 46 13 31-0765			Mounting Accessories (28 46 13 31-0728)		
28 46 13 31-0766	EA		Concealed Conduit Adapter Plate (Siemens APS-R).....	44.70	15.31
28 46 13 31-0767	EA		4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	44.70	15.31
28 46 13 31-0768	EA		4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	45.87	15.31
28 46 13 31-0769	EA		Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	74.04	15.31
28 46 13 31-0770	EA		White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	58.78	15.31
28 46 13 31-0771	EA		Surface Mounted Speaker Backbox (Siemens SBBS-R).....	62.31	15.31
28 46 13 31-0772	EA		Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	67.00	15.31
28 46 13 31-0773	EA		Square Semi-Flush Extension Ring (Siemens SERS-R).....	52.91	15.31
28 46 13 31-0774	EA		Semi-Flush Plate (Siemens SFPS-R).....	43.52	15.31
28 46 13 31-0775	EA		Square Surface Backbox (Siemens SHBBS-R).....	52.91	15.31
28 46 13 31-0776	EA		Horn Adapter Plate (Siemens SHMPS-R).....	50.57	15.31
28 46 13 31-0777	EA		Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	44.70	15.31
28 46 13 31-0778	EA		Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	58.78	15.31
28 46 13 31-0779	EA		Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	62.31	15.31
28 46 13 31-0780	EA		Weatherproof Speaker Backbox (Siemens WBBS-R).....	59.96	15.31
28 46 13 31-0781	EA		Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	67.00	15.31
28 46 13 31-0782	EA		Weatherproof Flush Plate (Siemens WFPAS-R).....	67.00	15.31
28 46 13 31-0783	EA		Weatherproof Horn Flush Plate (Siemens WFPS-R).....	62.31	15.31
28 46 13 31-0784	EA		Weatherproof Horn Backbox (Siemens WPBBS-R).....	62.31	15.31
28 46 13 31-0785	EA		Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	62.31	15.31
28 46 13 31-0786	EA		Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	44.70	15.31
28 46 13 31-0787	EA		Z Series Backbox (Siemens ZBB-R).....	50.57	15.31
28 46 13 31-0788			Door Holders (28 46 13 31-0728)		
28 46 13 31-0789	EA		120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	394.70	45.92
28 46 13 31-0790	EA		24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	394.70	45.92
28 46 13 31-0791			Voice Equipment (28 46 13 31-0535)		
28 46 13 31-0792			Voicecom (28 46 13 31-0791)		
28 46 13 31-0793	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	6,055.05	612.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 46	13	31-0794	EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	9,635.44	612.22
28 46	13	31-0795		Johnson Controls Fire Alarm <small>(28 46 13 31)</small>		
	28 46	13	31-0796	EA Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	228.67	45.92
	28 46	13	31-0797	EA Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	226.12	45.92
	28 46	13	31-0798	EA Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	284.41	45.92
	28 46	13	31-0799	EA Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	283.60	45.92
	28 46	13	31-0800	EA 411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	791.54	61.22
	28 46	13	31-0801	EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	215.67	45.92
	28 46	13	31-0802	EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	191.55	45.92
	28 46	13	31-0803	EA Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	186.44	45.92
	28 46	13	31-0804	EA Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	579.52	45.92
	28 46	13	31-0805	EA 100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100).....	2,842.51	91.83
	28 46	13	31-0806	EA AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E).....	2,753.60	91.83
	28 46	13	31-0807	EA 120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120).....	2,801.57	91.83
	28 46	13	31-0808	EA AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E).....	2,681.80	91.83
	28 46	13	31-0809	EA 30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30).....	1,298.16	91.83
	28 46	13	31-0810	EA AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E).....	1,298.16	91.83
	28 46	13	31-0811	EA Annunciator Control Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	1,310.30	30.61
	28 46	13	31-0812	EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's, (Johnson Controls, Inc. #ACM-24AT).....	1,363.09	30.61
	28 46	13	31-0813	EA Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	999.83	30.61
	28 46	13	31-0814	EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A, (Johnson Controls, Inc. #ACM-48A).....	999.83	30.61
	28 46	13	31-0815	EA Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	703.72	30.61
	28 46	13	31-0816	EA Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	2,276.01	61.22
	28 46	13	31-0817	EA Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	999.83	30.61
	28 46	13	31-0818	EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	1,039.51	30.61
	28 46	13	31-0819	EA Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	895.71	30.61
	28 46	13	31-0820	EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	895.71	30.61
	28 46	13	31-0821	EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	146.63	27.55
	28 46	13	31-0822	EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	1,367.94	61.22
	28 46	13	31-0823	EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	2,993.87	61.22
	28 46	13	31-0824	EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	1,367.94	61.22
	28 46	13	31-0825	EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	2,993.87	61.22
	28 46	13	31-0826	EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	52.14	15.31
	28 46	13	31-0827	EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	144.77	15.31
	28 46	13	31-0828	EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	136.39	15.31
	28 46	13	31-0829	EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	55.72	15.31
	28 46	13	31-0830	EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	49.78	15.31
	28 46	13	31-0831	EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	994.72	61.22
	28 46	13	31-0832	EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	2,337.23	91.83
	28 46	13	31-0833	EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	2,471.84	91.83
	28 46	13	31-0834	EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	272.89	15.31
	28 46	13	31-0835	EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	183.17	15.31
	28 46	13	31-0836	EA Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	2,339.21	91.83
	28 46	13	31-0837	EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	2,157.76	91.83
	28 46	13	31-0838	EA Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	2,157.76	91.83
	28 46	13	31-0839	EA Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	2,535.21	91.83
	28 46	13	31-0840	EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	2,337.23	91.83
	28 46	13	31-0841	EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	2,337.23	91.83
	28 46	13	31-0842	EA Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	2,337.23	91.83
	28 46	13	31-0843	EA Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	2,798.71	91.83
	28 46	13	31-0844	EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	2,798.71	91.83
	28 46	13	31-0845	EA Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	2,798.71	91.83
	28 46	13	31-0846	EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	287.47	30.61
	28 46	13	31-0847	EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	444.39	30.61
	28 46	13	31-0848	EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	38.79	12.24
	28 46	13	31-0849	EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	42.48	12.24
	28 46	13	31-0850	EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	105.76	18.37
	28 46	13	31-0851	EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	50.75	12.24



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-0852	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	62.63	15.31
28 46	13 31-0853	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	447.05	30.61
28 46	13 31-0854	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	741.61	61.22
28 46	13 31-0855	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	609.28	91.83
28 46	13 31-0856	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	850.96	91.83
28 46	13 31-0857	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	931.72	91.83
28 46	13 31-0858	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	498.80	12.24
28 46	13 31-0859	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	753.09	12.24
28 46	13 31-0860	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	827.88	12.24
28 46	13 31-0861	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	982.64	122.44
28 46	13 31-0862	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,295.95	122.44
28 46	13 31-0863	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,233.54	91.83
28 46	13 31-0864	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	228.03	15.31
28 46	13 31-0865	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	648.07	30.61
28 46	13 31-0866	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	337.53	45.92
28 46	13 31-0867	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	273.89	45.92
28 46	13 31-0868	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	288.37	45.92
28 46	13 31-0869	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,386.70	61.22
28 46	13 31-0870	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	2,917.84	61.22
28 46	13 31-0871	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	879.45	30.61
28 46	13 31-0872	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	5,936.90	489.78
28 46	13 31-0873	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	2,943.62	61.22
28 46	13 31-0874	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	38,831.57	734.67
28 46	13 31-0875	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	42,420.85	734.67
28 46	13 31-0876	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	47,804.79	734.67
28 46	13 31-0877	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	42,420.85	734.67
28 46	13 31-0878	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	284.39	18.37
28 46	13 31-0879	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	320.29	18.37
28 46	13 31-0880	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	349.01	18.37
28 46	13 31-0881	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	654.10	18.37
28 46	13 31-0882	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	211.12	12.24
28 46	13 31-0883	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D)	328.48	27.55
28 46	13 31-0884	EA	Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR)	349.07	27.55
28 46	13 31-0885	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D)	643.73	27.55
28 46	13 31-0886	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	643.66	12.24
28 46	13 31-0887	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	867.99	12.24
28 46	13 31-0888	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,074.37	12.24
28 46	13 31-0889	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	299.31	30.61
28 46	13 31-0890	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	139.91	12.24
28 46	13 31-0891	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	5,923.32	489.78
28 46	13 31-0892	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis	4,274.79	367.34
28 46	13 31-0893	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	7,705.05	489.78
28 46	13 31-0894	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,410.89	367.34
28 46	13 31-0895	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,329.47	367.34
28 46	13 31-0896	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	2,933.30	45.92
28 46	13 31-0897	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	2,963.26	45.92
28 46	13 31-0898	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	2,963.26	45.92
28 46	13 31-0899	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,506.27	61.22
28 46	13 31-0900	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	2,970.54	61.22
28 46	13 31-0901	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,529.32	367.34
28 46	13 31-0902	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,108.43	61.22
28 46	13 31-0903	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,733.28	61.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0904 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	2,793.57	61.22
28 46 13 31-0905 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	865.10	15.31
28 46 13 31-0906 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	277.51	12.24
28 46 13 31-0907 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	342.13	12.24
28 46 13 31-0908 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	696.44	15.31
28 46 13 31-0909 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	1,279.69	15.31
28 46 13 31-0910 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	2,320.16	15.31
28 46 13 31-0911 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	180.26	15.31
28 46 13 31-0912 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	288.30	15.31
28 46 13 31-0913 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	141.12	15.31
28 46 13 31-0914 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	198.75	15.31
28 46 13 31-0915 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	156.25	15.31
28 46 13 31-0916 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	255.93	15.31
28 46 13 31-0917 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	292.12	15.31
28 46 13 31-0918 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	163.96	15.31
28 46 13 31-0919 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	2,446.40	45.92
28 46 13 31-0920 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	2,177.09	30.61
28 46 13 31-0921 EA Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232V).....	2,011.99	30.61
28 46 13 31-0922 EA Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	75.05	6.12
28 46 13 31-0923 EA Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	1,759.69	30.61
28 46 13 31-0924 EA Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W)	1,675.46	30.61
28 46 13 31-0925 EA NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	4,279.46	61.22
28 46 13 31-0926 EA NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,187.20	30.61
28 46 13 31-0927 EA Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	324.18	12.24
28 46 13 31-0928 EA Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	748.58	30.61
28 46 13 31-0929 EA Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	748.58	30.61
28 46 13 31-0930 EA Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	200.38	12.24
28 46 13 31-0931 EA SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	52.82	6.12
28 46 13 31-0932 EA SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	52.82	6.12
28 46 13 31-0933 EA Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	199.53	45.92
28 46 13 31-0934 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH).....	224.64	45.92
28 46 13 31-0935 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	265.60	52.04
28 46 13 31-0936 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	262.00	52.04
28 46 13 31-0937 EA Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	1,786.50	122.44
28 46 13 31-0938 EA Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	1,391.66	122.44
28 46 13 31-0939 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW).....	199.53	45.92
28 46 13 31-0940 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH).....	224.64	45.92
28 46 13 31-0941 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	199.53	45.92
28 46 13 31-0942 EA Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	35.89	12.24
28 46 13 31-0943 EA SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	41.04	6.12
28 46 13 31-0944 EA SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	46.81	6.12
28 46 13 31-0945 EA SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	41.09	6.12
28 46 13 31-0946 EA Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR).....	182.21	45.92
28 46 13 31-0947 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	224.64	45.92
28 46 13 31-0948 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	265.60	52.04
28 46 13 31-0949 EA Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P).....	224.64	45.92
28 46 13 31-0950 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	262.00	52.04
28 46 13 31-0951 EA Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P).....	199.53	45.92
28 46 13 31-0952 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW).....	199.53	45.92
28 46 13 31-0953 EA Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH).....	224.64	45.92
28 46 13 31-0954 EA Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P).....	224.64	45.92
28 46 13 31-0955 EA Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P).....	199.53	45.92
28 46 13 31-0956 EA Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	280.05	15.31
28 46 13 31-0957 EA Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	1,236.44	61.22
28 46 13 31-0958 EA Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	296.35	61.22
28 46 13 31-0959 EA Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	126.35	30.61
28 46 13 31-0960 EA Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	126.35	30.61
28 46 13 31-0961 EA Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	235.13	30.61
28 46 13 31-0962 EA Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	255.94	30.61
28 46 13 31-0963 EA Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH).....	255.94	30.61
28 46 13 31-0964 EA Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	226.86	30.61
28 46 13 31-0965 EA Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	310.17	30.61
28 46 13 31-0966 EA Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	235.13	30.61
28 46 13 31-0967 EA Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	126.35	30.61
28 46 13 31-0968 EA Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	126.35	30.61
28 46 13 31-0969 EA Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	255.94	30.61
28 46 13 31-0970 EA Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	235.13	30.61
28 46 13 31-0971 EA Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	235.13	30.61



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0972		Honeywell Fire Alarm (28 46 13 31)		
28 46 13 31-0973		Notifier Fire Alarm (28 46 13 31-0972)		
28 46 13 31-0974		Fire Alarm Control Panel And Accessories (28 46 13 31-0973)		
28 46 13 31-0975	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	5,624.96	612.22
28 46 13 31-0976	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	4,704.28	612.22
28 46 13 31-0977	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	4,744.05	612.22
28 46 13 31-0978	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	5,614.13	612.22
28 46 13 31-0979	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,116.26	612.22
28 46 13 31-0980	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	5,957.89	612.22
28 46 13 31-0981	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,806.67	612.22
28 46 13 31-0982	EA	Two-Tone Sequential Module (Notifier 2TTM)	393.43	30.61
28 46 13 31-0983	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	99.16	6.12
28 46 13 31-0984	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	190.00	12.24
28 46 13 31-0985	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	288.56	18.37
28 46 13 31-0986	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	461.99	
28 46 13 31-0987	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	65.32	
28 46 13 31-0988	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,687.60	612.22
28 46 13 31-0989	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,745.95	612.22
28 46 13 31-0990	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	246.81	6.12
28 46 13 31-0991	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	75.35	6.12
28 46 13 31-0992	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	106.35	12.24
28 46 13 31-0993	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	104.43	15.31
28 46 13 31-0994	EA	IP Communicator (Notifier IPDACT-2)	799.45	30.61
28 46 13 31-0995	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	928.05	30.61
28 46 13 31-0996	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC)	213.63	30.61
		Note: Includes IPBRKT.		
28 46 13 31-0997	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B)	213.03	30.61
		Note: Includes IPBRKT		
28 46 13 31-0998	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9' Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	53.90	12.24
28 46 13 31-0999	EA	Loop Control Module (Notifier LCM-320)	1,938.54	61.22
28 46 13 31-1000	EA	Loop Expander Module (Notifier LEM-320)	1,834.67	61.22
28 46 13 31-1001	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,475.19	61.22
28 46 13 31-1002	EA	7' DACT Phone Cord (Notifier MCBL-7)	26.17	
28 46 13 31-1003	EA	Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	228.86	15.31
28 46 13 31-1004	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	259.47	30.61
28 46 13 31-1005	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	259.47	30.61
28 46 13 31-1006	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	837.97	30.61
28 46 13 31-1007	EA	Universal Zone Coder (Notifier UZC-256)	1,167.11	30.61
28 46 13 31-1008	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI)	364.41	
		Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 13 31-1009	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	873.65	
28 46 13 31-1010	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	559.27	
28 46 13 31-1011	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	5,182.18	18.37
28 46 13 31-1012	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	56.92	15.31
28 46 13 31-1013	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,467.48	612.22
28 46 13 31-1014	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	3,613.99	612.22
28 46 13 31-1015		ONYX Cabinets (28 46 13 31-0973)		
28 46 13 31-1016	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	664.55	15.31
28 46 13 31-1017	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	892.56	15.31
28 46 13 31-1018	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	1,103.30	15.31
28 46 13 31-1019	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	135.56	18.37
28 46 13 31-1020	EA	Chassis Bridge (Notifier CB-1)	123.19	15.31
28 46 13 31-1021	EA	Four Position Chassis (Notifier CHS-4)	207.43	15.31
28 46 13 31-1022	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	203.23	30.61
28 46 13 31-1023	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	119.48	18.37
28 46 13 31-1024	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	151.93	18.37
28 46 13 31-1025	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	369.32	30.61
28 46 13 31-1026	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	238.14	30.61
28 46 13 31-1027	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	469.73	45.92
28 46 13 31-1028	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	295.22	45.92
28 46 13 31-1029	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	698.92	61.22
28 46 13 31-1030	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	432.95	61.22
28 46 13 31-1031	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	848.68	76.53
28 46 13 31-1032	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	504.47	76.53
28 46 13 31-1033	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	328.29	15.31
28 46 13 31-1034	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	225.88	15.31
28 46 13 31-1035	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	225.88	15.31
28 46 13 31-1036	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	334.24	15.31
28 46 13 31-1037	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	254.46	15.31
28 46 13 31-1038	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	423.54	15.31
28 46 13 31-1039	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	289.59	15.31
28 46 13 31-1040	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	504.51	15.31
28 46 13 31-1041	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	416.40	15.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1042 EA Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	748.60	15.31
28 46 13 31-1043 EA Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	466.41	15.31
28 46 13 31-1044 EA Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	896.25	15.31
28 46 13 31-1045 EA Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	431.53	30.61
28 46 13 31-1046 EA Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	636.33	30.61
28 46 13 31-1047 EA Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	745.87	30.61
28 46 13 31-1048 EA Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	451.77	30.61
28 46 13 31-1049 EA Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	681.57	30.61
28 46 13 31-1050 EA Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	795.88	30.61
28 46 13 31-1051 EA Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	435.10	30.61
28 46 13 31-1052 EA Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	636.33	30.61
28 46 13 31-1053 EA Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	755.40	30.61
28 46 13 31-1054 EA Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	473.20	30.61
28 46 13 31-1055 EA Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	681.57	30.61
28 46 13 31-1056 EA Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	795.88	30.61
28 46 13 31-1057 EA CAB-4 Series Mounting Kit (Notifier P40-KITB).....	3,519.56	153.05
28 46 13 31-1058 EA CAB-4 Series Mounting Kit (Notifier P40-KITB).....	405.33	30.61
Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-1059 EA Black, One Tier Backbox Assembly (Notifier SBB-A4).....	417.48	91.83
28 46 13 31-1060 EA Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	590.13	122.44
28 46 13 31-1061 EA Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	775.81	122.44
28 46 13 31-1062 EA Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	944.31	153.05
28 46 13 31-1063 EA Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	255.30	30.61
28 46 13 31-1064 EA Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	255.30	30.61
28 46 13 31-1065 EA Red, One Tier Backbox Assembly (Notifier SBB-A4R).....	310.08	30.61
28 46 13 31-1066 EA Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	430.34	30.61
28 46 13 31-1067 EA Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	629.18	30.61
28 46 13 31-1068 EA Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	743.49	30.61
28 46 13 31-1069 EA Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	245.70	18.37
28 46 13 31-1070 EA Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	245.70	18.37
28 46 13 31-1071 EA Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	330.83	18.37
28 46 13 31-1072 EA Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	261.77	18.37
28 46 13 31-1073 EA Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	263.56	18.37
28 46 13 31-1074 EA Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	260.58	18.37
28 46 13 31-1075 EA Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	267.13	18.37
28 46 13 31-1076 EA 2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	95.55	18.37
28 46 13 31-1077 EA Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	66.06	6.12
28 46 13 31-1078 NFS2-3030/640 Cabinet Mechanicals (28 46 13 31-0973)		
28 46 13 31-1079 EA Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	137.14	18.37
28 46 13 31-1080 EA Blank Module Dress Plate (Notifier BM-1B).....	113.75	18.37
28 46 13 31-1081 EA Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	128.88	18.37
28 46 13 31-1082 EA Four Position Expansion Chassis (Notifier CHS-4MB).....	322.33	15.31
28 46 13 31-1083 EA Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	289.89	45.92
28 46 13 31-1084 EA Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	142.64	18.37
28 46 13 31-1085 NFS-3030/640 Cabinet Mechanicals (28 46 13 31-0973)		
28 46 13 31-1086 EA Annunciator Dress Plate (Notifier ADP-4B).....	130.26	18.37
28 46 13 31-1087 EA Blank Module Dress Plate (Notifier BMP-1).....	82.12	18.37
28 46 13 31-1088 EA Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	184.32	30.61
28 46 13 31-1089 EA Module Dress Plate (Notifier MP-1B).....	131.64	18.37
28 46 13 31-1090 Battery Cabinets (28 46 13 31-0973)		
28 46 13 31-1091 EA Six Position Chassis (Notifier CHS-6).....	119.40	30.61
28 46 13 31-1092 EA Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	588.04	91.83
28 46 13 31-1093 Digital Voice (28 46 13 31-0973)		
28 46 13 31-1094 EA Chassis Used With BB-XP (Notifier 18439).....	60.97	15.31
28 46 13 31-1095 EA 220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	2,383.69	45.92
28 46 13 31-1096 EA 220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	2,316.77	45.92
28 46 13 31-1097 EA 220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E).....	1,165.90	45.92
28 46 13 31-1098 EA Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	596.62	45.92
28 46 13 31-1099 EA Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	808.78	61.22
28 46 13 31-1100 EA Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	1,007.20	76.53
28 46 13 31-1101 EA Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	1,012.41	30.61
28 46 13 31-1102 EA Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	1,012.41	30.61
28 46 13 31-1103 EA Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	2,168.77	30.61
28 46 13 31-1104 EA 15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	127.95	15.31
28 46 13 31-1105 EA Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	216.36	15.31
28 46 13 31-1106 EA Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	217.55	15.31
28 46 13 31-1107 EA Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	210.41	15.31
28 46 13 31-1108 EA Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	212.79	15.31
28 46 13 31-1109 EA Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	434.26	15.31
28 46 13 31-1110 EA Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	331.86	15.31
28 46 13 31-1111 EA Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	136.07	15.31
28 46 13 31-1112 EA For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	604.29	30.61

28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-1113	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	609.78	30.61
28 46	13 31-1114	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2).....	126.16	15.31
28 46	13 31-1115	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	160.25	30.61
28 46	13 31-1116	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	496.21	45.92
28 46	13 31-1117	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	253.52	30.61
28 46	13 31-1118	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	253.52	30.61
28 46	13 31-1119	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	328.29	15.31
28 46	13 31-1120	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1).....	324.71	15.31
28 46	13 31-1121	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	2,039.10	30.61
28 46	13 31-1122	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,920.68	30.61
28 46	13 31-1123	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,920.68	30.61
28 46	13 31-1124	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	2,105.12	30.61
28 46	13 31-1125	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	2,033.37	30.61
28 46	13 31-1126	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	2,186.27	30.61
28 46	13 31-1127	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,512.32	30.61
28 46	13 31-1128	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,512.32	30.61
28 46	13 31-1129	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,938.38	30.61
28 46	13 31-1130	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,993.23	30.61
28 46	13 31-1131	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	2,078.81	30.61
28 46	13 31-1132	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	1,316.31	30.61
28 46	13 31-1133	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	1,351.42	30.61
28 46	13 31-1134	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	1,383.24	30.61
28 46	13 31-1135	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	1,429.32	30.61
28 46	13 31-1136	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	1,439.19	30.61
28 46	13 31-1137	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,481.98	30.61
28 46	13 31-1138	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,524.76	30.61
28 46	13 31-1139	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,601.56	30.61
28 46	13 31-1140	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT).....	146.41	15.31
28 46	13 31-1141	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	123.38	18.37
28 46	13 31-1142	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	142.64	18.37
28 46	13 31-1143	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	245.80	18.37
28 46	13 31-1144	EA	WPS Power Amplifier (Notifier DPA3204P).....	717.29	30.61
28 46	13 31-1145	EA	WPS Power Amplifier (Notifier DPA4001P).....	604.29	30.61
28 46	13 31-1146	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	1,367.88	30.61
28 46	13 31-1147	EA	120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	1,022.29	30.61
			Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46	13 31-1148	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE).....	1,034.36	30.61
			Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46	13 31-1149	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	1,725.54	30.61
28 46	13 31-1150	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	670.12	30.61
28 46	13 31-1151	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	380.33	30.61
28 46	13 31-1152	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	380.33	30.61
28 46	13 31-1153	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	380.33	30.61
28 46	13 31-1154	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	160.35	30.61
28 46	13 31-1155	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	356.94	30.61
28 46	13 31-1156	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM).....	2,055.61	30.61
28 46	13 31-1157	EA	Keypad For Digital Voice Command (Notifier DVC-KD).....	596.97	61.22
28 46	13 31-1158	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	303.96	
28 46	13 31-1159	EA	Portable Fireman's Telephone Handset (Notifier FHS).....	181.91	
28 46	13 31-1160	EA	Red, Fireman's Telephone Handset (Notifier FHS-F).....	211.09	
28 46	13 31-1161	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	525.59	30.61
28 46	13 31-1162	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	525.59	30.61
28 46	13 31-1163	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	85.29	9.18
28 46	13 31-1164	EA	Paging Microphone Only (Notifier MIC-1).....	241.40	30.61
28 46	13 31-1165	EA	Firefighter's Telephone Handset (Notifier TELH-1).....	208.11	
28 46	13 31-1166	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	596.27	30.61
28 46	13 31-1167	EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	596.27	30.61
28 46	13 31-1168		Amplifiers (28 46 13 31-0973)		
28 46	13 31-1169	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30).....	1,146.44	30.61
28 46	13 31-1170	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	2,501.25	30.61
28 46	13 31-1171	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	2,429.73	30.61
28 46	13 31-1172	EA	Audio Coupling Transformer (Notifier ACT-1).....	175.38	30.61
28 46	13 31-1173	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	205.64	30.61
28 46	13 31-1174	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	205.64	30.61
28 46	13 31-1175	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	205.64	30.61
28 46	13 31-1176	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025).....	1,856.09	30.61
28 46	13 31-1177	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070).....	1,919.72	30.61
28 46	13 31-1178	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525).....	1,994.33	30.61
28 46	13 31-1179	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA).....	3,637.80	30.61
			Note: Requires NFC-BDA-BU		
28 46	13 31-1180	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V).....	724.97	30.61
			Note: Requires NFC-BDA-BU		
28 46	13 31-1181	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V).....	728.26	30.61
			Note: Requires NFC-BDA-BU		
28 46	13 31-1182		FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 13 31-0973)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 46 13 31-1183	EA		25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	5,120.86	612.22
	28 46 13 31-1184	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	3,591.03	612.22
	28 46 13 31-1185	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	4,689.80	612.22
	28 46 13 31-1186	EA		Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	6,126.66	612.22
	28 46 13 31-1187	EA		Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	6,785.92	612.22
28 46 13 31-1188				System Printer (28 46 13 31-0973)		
	28 46 13 31-1189	EA		80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6).....	2,484.75	30.61
28 46 13 31-1190				Batteries (28 46 13 31-0973)		
	28 46 13 31-1191	EA		5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP).....	681.57	30.61
	28 46 13 31-1192	EA		7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP).....	531.62	30.61
	28 46 13 31-1193	EA		12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP).....	699.42	30.61
	28 46 13 31-1194	EA		18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP).....	407.83	30.61
	28 46 13 31-1195	EA		26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP).....	570.13	30.61
	28 46 13 31-1196	EA		55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	568.76	30.61
	28 46 13 31-1197	EA		100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	905.47	30.61
28 46 13 31-1198				Battery Backboxes And Miscellaneous Mechanicals (28 46 13 31-0973)		
	28 46 13 31-1199	EA		14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	185.32	24.49
	28 46 13 31-1200	EA		24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)..... Note: XP6 modules require a CHS-6.	313.32	24.49
	28 46 13 31-1201	EA		15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26).....	462.21	122.44
	28 46 13 31-1202	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	232.58	61.22
	28 46 13 31-1203	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	133.61	15.31
	28 46 13 31-1204	EA		Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	358.18	24.49
	28 46 13 31-1205	EA		Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	249.02	24.49
	28 46 13 31-1206	EA		Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	277.00	24.49
	28 46 13 31-1207	EA		Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	295.45	24.49
	28 46 13 31-1208	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550).....	440.72	24.49
	28 46 13 31-1209	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26).....	259.73	24.49
	28 46 13 31-1210	EA		Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100)..... Note: Two kits are required for the BB-200	369.28	24.49
	28 46 13 31-1211	EA		Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17)..... Note: Two kits are required for the BB-200	319.27	24.49
	28 46 13 31-1212	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25)..... Note: Two kits are required for the BB-200	326.41	24.49
	28 46 13 31-1213	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC)..... Note: Two kits are required for the BB-200	284.74	24.49
	28 46 13 31-1214	EA		Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4)..... Note: Two kits are required for the BB-200	266.88	24.49
28 46 13 31-1215				Power Supplies And Chargers (28 46 13 31-0973)		
	28 46 13 31-1216	EA		120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,603.65	45.92
	28 46 13 31-1217	EA		220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E).....	1,682.64	45.92
	28 46 13 31-1218	EA		Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,751.64	30.61
	28 46 13 31-1219	EA		6A Auxiliary Power Supply (Notifier APS-6R).....	1,029.83	30.61
	28 46 13 31-1220	EA		10 Amperes Battery Charger (Notifier BC10A).....	1,227.76	45.92
	28 46 13 31-1221	EA		33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100)..... Note: Holds four 55 ampere hour or two 100 ampere hour batteries	672.39	36.73
	28 46 13 31-1222	EA		Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R)..... Note: Holds four 55 ampere hour or two 100 ampere hour batteries	680.73	36.73
	28 46 13 31-1223	EA		30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200)..... Note: Holds four 55 ampere hour or four 100 ampere hour batteries	945.67	36.73
	28 46 13 31-1224	EA		30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	945.67	36.73
	28 46 13 31-1225	EA		15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	232.68	30.61
	28 46 13 31-1226	EA		25 To 120 Ampere Hours Battery Charger (Notifier CHG-120).....	1,350.01	30.61
	28 46 13 31-1227	EA		Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	104.43	15.31
	28 46 13 31-1228	EA		Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	165.75	15.31
	28 46 13 31-1229	EA		8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	894.74	30.61
	28 46 13 31-1230	EA		8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	942.86	91.83
	28 46 13 31-1231	EA		Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R).....	902.27	91.83
	28 46 13 31-1232	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8).....	1,043.79	91.83
	28 46 13 31-1233	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8E).....	1,035.02	91.83
	28 46 13 31-1234	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8CM).....	1,009.01	45.92
	28 46 13 31-1235	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8CME).....	1,009.01	45.92
	28 46 13 31-1236	EA		12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF12).....	1,251.48	45.92
	28 46 13 31-1237	EA		12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF12E).....	1,195.52	45.92
	28 46 13 31-1238	EA		12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPPF12CM).....	1,270.13	91.83

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1239	EA		12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	1,270.13	91.83
28 46 13 31-1240	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	882.52	91.83
28 46 13 31-1241	EA		6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	882.52	91.83
28 46 13 31-1242	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	952.73	91.83
28 46 13 31-1243	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	952.73	91.83
28 46 13 31-1244	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	765.13	91.83
28 46 13 31-1245	EA		9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	902.27	91.83
28 46 13 31-1246	EA		Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	194.08	15.31
28 46 13 31-1247	EA		Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,498.07	30.61
28 46 13 31-1248	EA		Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	230.30	30.61
28 46 13 31-1249	EA		240 Volt AC Addressable Power Supply (Notifier AMPS-24E).....	1,840.13	30.61
28 46 13 31-1250	EA		6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R).....	914.34	91.83
28 46 13 31-1251	EA		6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE).....	952.73	91.83
28 46 13 31-1252	EA		25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75).....	868.69	30.61
28 46 13 31-1253	EA		6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E).....	881.42	91.83
28 46 13 31-1254	EA		6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R).....	860.58	91.83
28 46 13 31-1255			Network Control Annunciators (28 46 13 31-0973)		
28 46 13 31-1256	EA		Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	2,453.14	91.83
28 46 13 31-1257	EA		Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	93.12	18.37
28 46 13 31-1258	EA		Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	66.99	18.37
28 46 13 31-1259			FIRSTVISION Firefighter's Display (28 46 13 31-0973)		
28 46 13 31-1260	EA		ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	18,954.18	612.22
28 46 13 31-1261			FlashScan Addressable Modules (28 46 13 31-0973)		
28 46 13 31-1262	EA		Intelligent Addressable Control Module (Notifier FCM-1).....	211.14	30.61
28 46 13 31-1263	EA		Addressable Dual Monitor Module (Notifier FDM-1).....	235.90	30.61
28 46 13 31-1264	EA		Intelligent Addressable Monitor Module (Notifier FMM-1).....	175.38	30.61
28 46 13 31-1265	EA		Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	156.13	30.61
28 46 13 31-1266	EA		Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20).....	322.55	30.61
28 46 13 31-1267	EA		Intelligent Addressable Relay Module (Notifier FRM-1).....	193.69	30.61
28 46 13 31-1268	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	266.16	30.61
28 46 13 31-1269	EA		SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	172.63	30.61
28 46 13 31-1270			Addressable Device Bases And Accessories (28 46 13 31-0973)		
28 46 13 31-1271	EA		Intelligent Detector Base With Flange (Notifier B710LP).....	62.73	15.31
28 46 13 31-1272	EA		Weatherproof Device Housing (Notifier DH4000E-1).....	544.00	30.61
28 46 13 31-1273	EA		Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W).....	60.97	15.31
28 46 13 31-1274	EA		Swift AV Base Ceiling (Notifier WAV-CRL).....	339.00	15.31
28 46 13 31-1275	EA		Swift AV Base Wall (Notifier WAV-RL).....	339.00	15.31
28 46 13 31-1276			XP6/XP10 Transponder (28 46 13 31-0973)		
28 46 13 31-1277	EA		Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	155.44	30.61
28 46 13 31-1278	EA		Six Circuit Supervised Control Module (Notifier XP6-C).....	781.95	30.61
28 46 13 31-1279	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	947.00	30.61
28 46 13 31-1280	EA		Six Relay Control Module (Notifier XP6-R).....	751.69	30.61
28 46 13 31-1281	EA		Ten Input Monitor Module (Notifier XP10-M).....	905.74	30.61
28 46 13 31-1282			LCD Display Annunciators (28 46 13 31-0973)		
28 46 13 31-1283	EA		80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	1,002.05	91.83
28 46 13 31-1284	EA		80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	1,407.80	91.83
28 46 13 31-1285	EA		640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	1,457.32	91.83
28 46 13 31-1286	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	970.91	30.61
28 46 13 31-1287	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	512.50	30.61
28 46 13 31-1288	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	1,259.06	30.61
28 46 13 31-1289	EA		White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W).....	631.28	91.83
28 46 13 31-1290			ONYX ACM And AEM Series LED Annunciators (28 46 13 31-0973)		
28 46 13 31-1291	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R).....	554.17	30.61
28 46 13 31-1292	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	1,036.41	30.61
28 46 13 31-1293	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	792.95	30.61
28 46 13 31-1294	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	1,036.41	30.61
28 46 13 31-1295	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	792.95	30.61
28 46 13 31-1296	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	792.95	30.61
28 46 13 31-1297	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	710.43	30.61
28 46 13 31-1298	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	792.95	30.61
28 46 13 31-1299	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	710.43	30.61
28 46 13 31-1300			Graphic Annunciator - Lamp Driver Modules (28 46 13 31-0973)		
28 46 13 31-1301	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	323.25	61.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 13 31-1302 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	352.14	61.22
				28 46 13 31-1303 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	404.76	76.53
				28 46 13 31-1304 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	441.89	76.53
				28 46 13 31-1305 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	712.19	107.14
				28 46 13 31-1306 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	126.82	18.37
				28 46 13 31-1307 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	205.65	61.22
				28 46 13 31-1308 EA Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	195.36	15.31
				28 46 13 31-1309 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	258.61	61.22
				28 46 13 31-1310 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	461.15	76.53
				28 46 13 31-1311 EA Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	369.17	15.31
				28 46 13 31-1312 EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	749.33	107.14
				28 46 13 31-1313 EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	624.68	18.37
				28 46 13 31-1314 EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	234.89	24.49
				28 46 13 31-1315 EA Annunciator Key Switch (Notifier AKS-1B)	119.88	9.18
				28 46 13 31-1316 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	119.68	30.61
				28 46 13 31-1317 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	710.43	30.61
				28 46 13 31-1318 EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	211.68	6.12
				28 46 13 31-1319 EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	265.26	6.12
				28 46 13 31-1320 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	585.26	30.61
				28 46 13 31-1321 EA Lamp Driver Module (Notifier LDM-R32)	1,031.64	30.61
				28 46 13 31-1322 EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	956.63	30.61
				28 46 13 31-1323 EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	272.41	6.12
				28 46 13 31-1324 EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	243.32	18.37
				28 46 13 31-1325 EA Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	141.02	18.37
				28 46 13 31-1326 EA Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	141.02	18.37
				28 46 13 31-1327 EA Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	232.60	18.37
				28 46 13 31-1328 EA Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	232.60	18.37
				28 46 13 31-1329 EA Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED).....	573.07	30.61
28 46 13 31-1330				Network Gateways <small>(28 46 13 31-0973)</small>		
				28 46 13 31-1331 EA Common Alerting Protocol Gateway (Notifier CAP-GW)	3,462.26	30.61
				28 46 13 31-1332 EA Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,575.80	30.61
				28 46 13 31-1333 EA Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	2,902.73	30.61
				28 46 13 31-1334 EA Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,198.95	30.61
				28 46 13 31-1335 EA Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	2,598.84	30.61
				28 46 13 31-1336 EA Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,528.62	30.61
				28 46 13 31-1337 EA Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	2,847.88	30.61
				28 46 13 31-1338 EA Modbus Gateway (Notifier MODBUS-GW)	2,836.91	30.61
				28 46 13 31-1339 EA 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,284.38	20.21
				28 46 13 31-1340 EA Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,886.16	20.21
				28 46 13 31-1341 EA 1920x1080P Wide Screen (Notifier MON-42LCDW)	15,495.22	20.21
				28 46 13 31-1342 EA Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	756.86	45.92
				28 46 13 31-1343 EA Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,399.23	45.92
				28 46 13 31-1344 EA Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,049.14	45.92
				28 46 13 31-1345 EA Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,298.98	
				28 46 13 31-1346 EA Embedded NFN Gateway (Notifier NFN-GW-EM)	3,004.66	30.61
				28 46 13 31-1347 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,004.66	30.61
				28 46 13 31-1348 EA High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	3,934.02	30.61
				28 46 13 31-1349 EA High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,581.31	30.61
				28 46 13 31-1350 EA High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	3,934.02	30.61
				28 46 13 31-1351 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	3,004.66	30.61
				28 46 13 31-1352 EA Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,813.73	
				28 46 13 31-1353 EA ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	29,071.84	734.67
				28 46 13 31-1354 EA Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	7,154.33	
				Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
				28 46 13 31-1355 EA Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	7,154.33	
				Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
				28 46 13 31-1356 EA Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,202.21	30.61
				28 46 13 31-1357 EA Wire, Standard Network Repeater Board (Notifier RPT-W).....	979.50	30.61
				28 46 13 31-1358 EA Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,164.91	30.61
				28 46 13 31-1359 EA Signaling Line Circuit Integration Module (Notifier SLC-IM).....	1,299.86	30.61
				28 46 13 31-1360 EA VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	2,705.26	30.61
				28 46 13 31-1361 EA Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS).....	2,721.35	30.61
				28 46 13 31-1362 EA Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	3,022.88	
				28 46 13 31-1363 EA Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,667.24	20.21
				28 46 13 31-1364 EA SWIFT Wireless Gateway With Flashscan (Notifier FWSG).....	493.55	30.61
28 46 13 31-1365				NOTI-FIRE-NET Network Components <small>(28 46 13 31-0973)</small>		
				28 46 13 31-1366 EA Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	3,004.66	30.61
				28 46 13 31-1367 EA Fiber Optic Network Communications Module (Notifier NCM-F)	1,336.25	30.61

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1368 EA NOTI-FIRE-NET Web Server (Notifier NWS).....	3,004.66	30.61
28 46 13 31-1369 EA Wired Network Communications Module (Notifier NCM-W).....	1,272.98	30.61
28 46 13 31-1370 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	135.42	15.31
28 46 13 31-1371 FireWarden Addressable Fire Panels (28 46 13 31-0973)		
28 46 13 31-1372 EA 50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	2,538.00	612.22
28 46 13 31-1373 EA Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	3,026.28	612.22
28 46 13 31-1374 EA Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	3,096.12	306.11
28 46 13 31-1375 EA Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	3,096.12	306.11
28 46 13 31-1376 EA Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	3,082.95	306.11
28 46 13 31-1377 EA Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addressable Fire Alarm Control Panel (Notifier NFW-50C).....	3,532.77	612.22
28 46 13 31-1378 EA Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addressable Fire Alarm Control Panel (NFW-50R).....	2,549.76	612.22
28 46 13 31-1379 FireWarden Accessories (28 46 13 31-0973)		
28 46 13 31-1380 EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	232.33	45.92
28 46 13 31-1381 EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	220.43	45.92
28 46 13 31-1382 FireWarden Devices (28 46 13 31-0973)		
28 46 13 31-1383 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	171.26	30.61
28 46 13 31-1384 EA Intelligent Addressable Control Module (Notifier NC-100).....	204.27	30.61
28 46 13 31-1385 EA Intelligent Addressable Relay Module (Notifier NC-100R).....	196.01	30.61
28 46 13 31-1386 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	478.94	45.92
28 46 13 31-1387 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	580.36	45.92
28 46 13 31-1388 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	196.01	30.61
28 46 13 31-1389 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	199.11	45.92
28 46 13 31-1390 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	199.11	45.92
28 46 13 31-1391 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	199.11	45.92
28 46 13 31-1392 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	270.64	45.92
28 46 13 31-1393 EA Intelligent Addressable Monitor Module (Notifier NMM-100).....	168.50	30.61
28 46 13 31-1394 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	152.69	30.61
28 46 13 31-1395 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	229.71	30.61
28 46 13 31-1396 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	208.74	45.92
28 46 13 31-1397 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	257.91	30.61
28 46 13 31-1398 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	925.00	30.61
28 46 13 31-1399 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 13 31-0973)		
28 46 13 31-1400 EA 120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,667.28	489.78
28 46 13 31-1401 EA 120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,844.71	489.78
28 46 13 31-1402 EA 240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	1,285.85	153.05
28 46 13 31-1403 EA 240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E).....	1,460.29	153.05
28 46 13 31-1404 EA Class A Converter Module (Notifier CAC-4).....	457.72	30.61
28 46 13 31-1405 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	165.62	18.37
28 46 13 31-1406 EA Remote Zone Annunciator (Notifier RZA-4X).....	238.29	45.92
28 46 13 31-1407 EA Red, Dress Panel (Notifier DP-51050).....	200.45	18.37
28 46 13 31-1408 EA Black, Dress Panel (Notifier DP-51050B).....	202.83	18.37
28 46 13 31-1409 SFP-5UD 5 Zone Control Panels And Accessories (28 46 13 31-0973)		
28 46 13 31-1410 EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,593.01	612.22
28 46 13 31-1411 EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	4,462.26	459.17
28 46 13 31-1412 EA 240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	2,943.17	306.11
28 46 13 31-1413 EA Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,943.17	306.11
28 46 13 31-1414 EA Class A Converter Module (Notifier N-CAC-5X).....	474.39	30.61
28 46 13 31-1415 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	179.61	18.37
28 46 13 31-1416 EA Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC).....	3,856.45	459.17
Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1417 EA 240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE).....	2,554.15	306.11
28 46 13 31-1418 EA Red, 120 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDR).....	2,531.11	306.11
28 46 13 31-1419 SFP-10UD 10 Zone Control Panels And Accessories (28 46 13 31-0973)		
28 46 13 31-1420 EA 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	5,411.32	612.22
28 46 13 31-1421 EA 240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	4,045.96	459.17
28 46 13 31-1422 EA 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	2,978.14	612.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1423 EA Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	4,658.19	612.22
28 46 13 31-1424 EA Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	772.35	91.83
28 46 13 31-1425 EA 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC).....	4,733.08	612.22
Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1426 EA 240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE).....	3,530.61	459.17
28 46 13 31-1427 EA Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR).....	4,115.41	612.22
28 46 13 31-1428 Smoke Detectors <small>(28 46 13 31-0973)</small>		
28 46 13 31-1429 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	289.89	45.92
28 46 13 31-1430 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	490.71	45.92
28 46 13 31-1431 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,444.16	45.92
28 46 13 31-1432 EA Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	207.33	45.92
Note: For use with DNR(W) duct detector housing.		
28 46 13 31-1433 EA Filters For Harsh Detector (Notifier RF-FTX).....	25.14	
28 46 13 31-1434 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	175.04	30.61
28 46 13 31-1435 EA Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-R).....	1,897.67	45.92
28 46 13 31-1436 EA Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951).....	215.96	45.92
28 46 13 31-1437 EA Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV).....	235.61	45.92
28 46 13 31-1438 EA Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R).....	225.78	45.92
28 46 13 31-1439 EA Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV).....	243.64	45.92
28 46 13 31-1440 EA Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T).....	226.97	45.92
28 46 13 31-1441 EA Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV).....	244.83	45.92
28 46 13 31-1442 EA Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951).....	184.70	45.92
28 46 13 31-1443 EA Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H).....	184.70	45.92
28 46 13 31-1444 EA Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV).....	201.37	45.92
28 46 13 31-1445 EA Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV).....	201.37	45.92
28 46 13 31-1446 EA Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R).....	184.70	45.92
28 46 13 31-1447 EA Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV).....	201.37	45.92
28 46 13 31-1448 EA Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R).....	494.29	45.92
28 46 13 31-1449 EA Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV).....	530.01	45.92
28 46 13 31-1450 EA Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE).....	493.10	45.92
Note: Requires B210W base, ordered separately		
28 46 13 31-1451 EA Wireless Photo Detector With Flashscan (Notifier FWD-200P).....	453.80	45.92
Note: Requires B210W base, ordered separately		
28 46 13 31-1452 EA Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135).....	412.13	45.92
Note: Requires B210W base, ordered separately		
28 46 13 31-1453 EA Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135).....	412.13	45.92
Note: Requires B210W base, ordered separately		
28 46 13 31-1454 EA Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951).....	300.20	45.92
28 46 13 31-1455 EA Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250).....	2,919.08	45.92
Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
28 46 13 31-1456 EA Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500).....	3,577.46	45.92
Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
28 46 13 31-1457 Pull Stations <small>(28 46 13 31-0973)</small>		
28 46 13 31-1458 EA Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	37.01	6.12
28 46 13 31-1459 EA One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	92.79	15.31
28 46 13 31-1460 EA Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	80.14	15.31
28 46 13 31-1461 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	120.81	30.61
28 46 13 31-1462 EA DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	133.77	30.61
28 46 13 31-1463 EA Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	184.73	30.61
28 46 13 31-1464 EA Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	120.81	30.61
28 46 13 31-1465 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	139.81	30.61
28 46 13 31-1466 EA Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	139.81	30.61
28 46 13 31-1467 EA Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	139.81	30.61
28 46 13 31-1468 EA Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	132.04	30.61
28 46 13 31-1469 EA Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	143.27	30.61
28 46 13 31-1470 EA Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	968.71	36.73
28 46 13 31-1471 EA Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S).....	105.40	30.61
28 46 13 31-1472 EA Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12).....	110.52	30.61
28 46 13 31-1473 EA Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	117.96	30.61
28 46 13 31-1474 EA Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	272.91	36.73
28 46 13 31-1475 EA Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	166.89	30.61
28 46 13 31-1476 EA Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	139.81	30.61
28 46 13 31-1477 EA Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	231.09	30.61
28 46 13 31-1478 EA Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	69.24	6.12
28 46 13 31-1479 EA Dual Action, Wireless Pull Station (Notifier NBG-12WL).....	484.26	36.73
28 46 13 31-1480 Rate Compensation Heat Detectors <small>(28 46 13 31-0973)</small>		
28 46 13 31-1481 EA 135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	212.87	45.92
28 46 13 31-1482 EA 194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	212.87	45.92



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1483			FM Series Door Releases (28 46 13 31-0973)		
28 46 13 31-1484	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	34.88	9.18
28 46 13 31-1485	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	34.88	9.18
28 46 13 31-1486	EA		1" Door Holder Spacer (Notifier FM900-100).....	34.88	9.18
28 46 13 31-1487	EA		Door Holder Extension Kit (Notifier FM900).....	36.94	9.18
28 46 13 31-1488	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	37.63	9.18
28 46 13 31-1489	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980).....	237.45	45.92
28 46 13 31-1490	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996).....	207.37	45.92
28 46 13 31-1491	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998).....	207.37	45.92
28 46 13 31-1492			Multicriteria Fire Detector (28 46 13 31-0973)		
28 46 13 31-1493	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	359.74	45.92
28 46 13 31-1494	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)..... Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	358.55	45.92
28 46 13 31-1495	EA		Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951).....	232.33	45.92
28 46 13 31-1496	EA		Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV).....	240.67	45.92
28 46 13 31-1497	EA		Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951).....	359.74	45.92
28 46 13 31-1498			Modules (28 46 13 31-0973)		
28 46 13 31-1499	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	431.53	30.61
28 46 13 31-1500	EA		Addressable Firephone Control Module (Notifier FTM-1).....	266.02	30.61
28 46 13 31-1501	EA		Wireless Monitor Module With Flashscan (Notifier FW-MM).....	417.24	30.61
28 46 13 31-1502	EA		Wireless Relay Module With Flashscan (Notifier FW-RM).....	482.73	30.61
28 46 13 31-1503	EA		Wireless Sync Module (Notifier W-SYNC).....	459.47	30.61
28 46 13 31-1504			DH Series Door Releases (28 46 13 31-0973)		
28 46 13 31-1505	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	220.13	45.92
28 46 13 31-1506	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	234.71	45.92
28 46 13 31-1507	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	248.41	45.92
28 46 13 31-1508	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	244.83	45.92
28 46 13 31-1509	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	256.74	45.92
28 46 13 31-1510	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	266.86	45.92
28 46 13 31-1511	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	220.13	45.92
28 46 13 31-1512	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	232.93	45.92
28 46 13 31-1513	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	248.41	45.92
28 46 13 31-1514	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	281.15	45.92
28 46 13 31-1515	EA		Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	300.20	45.92
28 46 13 31-1516	EA		Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	322.23	45.92
28 46 13 31-1517	EA		Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	327.59	45.92
28 46 13 31-1518	EA		Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	350.21	45.92
28 46 13 31-1519	EA		Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	377.60	45.92
28 46 13 31-1520	EA		0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	25.28	6.12
28 46 13 31-1521	EA		0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	25.28	6.12
28 46 13 31-1522	EA		0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	27.72	6.12
28 46 13 31-1523	EA		1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	25.28	6.12
28 46 13 31-1524	EA		1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	25.28	6.12
28 46 13 31-1525	EA		1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	27.72	6.12
28 46 13 31-1526	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	26.53	6.12
28 46 13 31-1527	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	26.53	6.12
28 46 13 31-1528	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	27.72	6.12
28 46 13 31-1529	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	29.09	6.12
28 46 13 31-1530	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	29.09	6.12
28 46 13 31-1531	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	29.09	6.12
28 46 13 31-1532	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	30.34	6.12
28 46 13 31-1533	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	30.34	6.12
28 46 13 31-1534	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	30.34	6.12
28 46 13 31-1535	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	31.71	6.12
28 46 13 31-1536	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	31.71	6.12
28 46 13 31-1537	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	32.96	6.12
28 46 13 31-1538	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	32.96	6.12
28 46 13 31-1539	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	34.33	6.12
28 46 13 31-1540	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	38.20	6.12
28 46 13 31-1541	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	36.89	6.12
28 46 13 31-1542	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	35.58	6.12
28 46 13 31-1543	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	38.20	6.12
28 46 13 31-1544	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	35.22	9.18
28 46 13 31-1545	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	36.47	9.18
28 46 13 31-1546	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	40.46	9.18
28 46 13 31-1547	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	66.36	9.18
28 46 13 31-1548	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	70.17	9.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1549 EA Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	73.98	9.18
28 46 13 31-1550 EA Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC).....	60.38	15.31
28 46 13 31-1551 EA Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	63.00	15.31
28 46 13 31-1552 EA Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBB).....	68.24	15.31
28 46 13 31-1553 EA Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	367.93	
28 46 13 31-1554 First Command <small>(28 46 13 31-0973)</small>		
28 46 13 31-1555 EA Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	6,648.67	765.28
28 46 13 31-1556 EA Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	6,714.50	765.28
28 46 13 31-1557 EA Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,845.57	61.22
28 46 13 31-1558 EA Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,894.94	61.22
28 46 13 31-1559 EA Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	3,382.62	61.22
28 46 13 31-1560 EA Black, 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	3,492.34	61.22
28 46 13 31-1561 EA 50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	854.73	30.61
28 46 13 31-1562 EA 50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	854.73	30.61
28 46 13 31-1563 EA Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	542.26	30.61
28 46 13 31-1564 EA Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	707.42	30.61
28 46 13 31-1565 EA Standalone Firefighter Telephone System (Notifier NFC-FFT).....	2,499.45	61.22
Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
28 46 13 31-1566 EA Local Operator Console (Notifier NFC-LOC)	2,446.79	61.22
Note: Includes built-in microphone, message and zone control switches, black.		
28 46 13 31-1567 EA Black, Remote Microphone (Notifier NFC-RM)	714.39	
28 46 13 31-1568 EA Remote Page Unit (Notifier NFC-RPU).....	2,068.29	61.22
Note: Includes built-in microphone, message control switches, black.		
28 46 13 31-1569 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	410.10	30.61
28 46 13 31-1570 EA Firefighters Phone Jack (Notifier N-FPJ)	188.04	9.18
28 46 13 31-1571 EA Thumbtatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	51.23	9.18
28 46 13 31-1572 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	166.81	18.37
28 46 13 31-1573 LED Displays <small>(28 46 13 31-0973)</small>		
28 46 13 31-1574 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,951.72	36.73
28 46 13 31-1575 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,743.08	48.98
28 46 13 31-1576 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,774.90	48.98
28 46 13 31-1577 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,665.19	48.98
28 46 13 31-1578 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	3,729.38	48.98
28 46 13 31-1579 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	2,829.75	48.98
28 46 13 31-1580 Control Relays <small>(28 46 13 31-0973)</small>		
28 46 13 31-1581 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	81.45	15.31
28 46 13 31-1582 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	61.33	15.31
28 46 13 31-1583 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	224.94	30.61
28 46 13 31-1584 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	126.16	15.31
28 46 13 31-1585 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	150.87	15.31
28 46 13 31-1586 EA 24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	231.49	30.61
28 46 13 31-1587 EA 120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	231.49	30.61
28 46 13 31-1588 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	115.99	30.61
28 46 13 31-1589 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	66.57	15.31
28 46 13 31-1590 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	246.37	30.61
28 46 13 31-1591 EA 24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	82.89	30.61
28 46 13 31-1592 EA 12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	82.89	30.61
28 46 13 31-1593 EA 9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	82.89	30.61
28 46 13 31-1594 Gamewell-FCI Fire Control Instruments <small>(28 46 13 31-0973)</small>		
28 46 13 31-1595 7100 Series And NetSOLO® <small>(28 46 13 31-1594)</small>		
28 46 13 31-1596 7100 Compact Analog Addressable Fire Alarm Control Panels <small>(28 46 13 31-1595)</small>		
28 46 13 31-1597 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,135.67	367.34
28 46 13 31-1598 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	4,907.52	612.22
28 46 13 31-1599 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	5,374.26	612.22
28 46 13 31-1600 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	4,907.52	612.22
28 46 13 31-1601 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	5,374.26	612.22
28 46 13 31-1602 EA Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	1,560.47	
28 46 13 31-1603 EA Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,872.72	
28 46 13 31-1604 EA Analog Loop Unit (Gamewell-FCI ALU).....	1,872.72	61.22
28 46 13 31-1605 NetSOLO® Intelligent Network <small>(28 46 13 31-1595)</small>		
28 46 13 31-1606 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO).....	2,078.16	61.22
Note: Mounted in 7100 panel.		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-1607	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,649.21	61.22
28 46	13 31-1608		Components And Accessories (28 46 13 31-1595)		
28 46	13 31-1609	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,022.03	45.92
28 46	13 31-1610	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	773.25	61.22
28 46	13 31-1611	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,425.70	61.22
28 46	13 31-1612	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	569.46	61.22
28 46	13 31-1613	EA	Enclosure Box (Gamewell-FCI EN-7100)	453.61	122.44
28 46	13 31-1614	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,494.32	30.61
28 46	13 31-1615		E3 Series® Basic System (28 46 13 31-1594)		
28 46	13 31-1616	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,362.88	61.22
28 46	13 31-1617	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,169.63	61.22
28 46	13 31-1618	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,362.88	61.22
28 46	13 31-1619	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,169.63	61.22
28 46	13 31-1620	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	868.66	61.22
28 46	13 31-1621	EA	Power Supply Module (Gamewell-FCI PM-9)	1,140.21	61.22
28 46	13 31-1622	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	958.59	61.22
28 46	13 31-1623	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	952.40	30.61
28 46	13 31-1624	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	541.18	61.22
28 46	13 31-1625	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,464.59	61.22
28 46	13 31-1626	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,225.67	61.22
28 46	13 31-1627	EA	Local Operating Console (Gamewell-FCI 1100-0455)	817.48	45.92
28 46	13 31-1628	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,649.47	45.92
28 46	13 31-1629	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,045.43	61.22
28 46	13 31-1630	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,203.72	61.22
28 46	13 31-1631	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	725.03	122.44
28 46	13 31-1632	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	529.24	122.44
28 46	13 31-1633	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	115.60	30.61
28 46	13 31-1634	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	730.42	61.22
28 46	13 31-1635	EA	LED Driver module (Gamewell-FCI ANU-48)	730.42	61.22
28 46	13 31-1636	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,220.46	45.92
28 46	13 31-1637		Addressable Devices, Module, Pulls And Accessories (28 46 13 31-1594)		
28 46	13 31-1638		Velociti® Series Sensors And Bases (28 46 13 31-1637)		
28 46	13 31-1639	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	226.59	45.92
28 46	13 31-1640	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	231.52	45.92
28 46	13 31-1641	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	246.32	45.92
28 46	13 31-1642	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	187.15	45.92
28 46	13 31-1643	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	195.37	45.92
28 46	13 31-1644	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	187.15	45.92
28 46	13 31-1645	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	280.83	45.92
28 46	13 31-1646	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	625.95	45.92
28 46	13 31-1647	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	522.83	76.53
28 46	13 31-1648	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	588.57	76.53
28 46	13 31-1649	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	279.60	
28 46	13 31-1650	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	56.91	15.31
28 46	13 31-1651	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	675.26	45.92
28 46	13 31-1652	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	133.33	15.31
28 46	13 31-1653	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,402.33	91.83
28 46	13 31-1654		Velociti® Series Modules And Pull Station (28 46 13 31-1637)		
28 46	13 31-1655	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	165.58	30.61
28 46	13 31-1656	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	269.94	30.61
28 46	13 31-1657	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	182.01	30.61
28 46	13 31-1658	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	258.44	30.61
28 46	13 31-1659	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	214.88	30.61
28 46	13 31-1660	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	223.10	30.61
28 46	13 31-1661	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	308.97	61.22
28 46	13 31-1662	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	230.50	30.61
28 46	13 31-1663	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	36.89	6.12
28 46	13 31-1664		Components And Accessories (28 46 13 31-1637)		
28 46	13 31-1665	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	90.07	24.49
28 46	13 31-1666	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	45.03	12.24
28 46	13 31-1667	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	48.32	12.24
28 46	13 31-1668	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	57.73	15.31
28 46	13 31-1669	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	94.25	18.37
28 46	13 31-1670	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	141.01	24.49



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1671 Fixed And Rate of Rise Heat Detectors (28 46 13 31-1637)					
		EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	119.77	45.92
		EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	119.77	45.92
		EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	120.05	45.92
		EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	120.05	45.92
28 46 13 31-1676 NAC Expander/Power Supply (28 46 13 31-1637)					
		EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	2,162.85	489.78
		EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,850.59	489.78
		EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	2,006.72	489.78
28 46 13 31-1680 Batteries And Accessories (28 46 13 31-1594)					
		EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	343.90	30.61
		EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	879.66	30.61
		EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	179.55	30.61
		EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	419.91	61.22
		EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	419.91	61.22
		EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	372.25	61.22
28 46 13 31-1687 Electronic Door Holders (28 46 13 31-1594)					
Note: Rixson products.					
		EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	60.56	6.12
		EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000).....	486.26	45.92
		EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	665.40	45.92
		EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002).....	307.78	45.92
		EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003).....	292.99	45.92
		EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	307.78	45.92
		EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005).....	307.12	45.92
28 46 13 31-1695 Fire Alarm Programming (28 46 13 31-1594)					
Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.					
		EA	Program And Test Up To 5 Total Fire Alarm Devices.....	500.00	
		EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
		EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1699 Fire-Lite Fire Alarm (28 46 13 31-0972)					
28 46 13 31-1700 Intelligent Addressable Fire Alarm Control Panel (28 46 13 31-1699)					
		EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,292.72	244.89
		EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X).....	1,662.79	275.50
		EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,477.28	306.11
		EA	Loop Expander Module (Fire-Lite SLC-3LS).....	734.08	45.92
		EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F).....	205.36	30.61
		EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	289.86	30.61
		EA	Battery Backbox (Fire-Lite BB-26).....	178.08	18.37
		EA	Battery Box (Fire-Lite BB-55F).....	328.05	18.37
		EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	90.38	12.24
		EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75).....	768.99	30.61
		EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,638.94	61.22
		EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	891.54	30.61
		EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	921.17	30.61
		EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80).....	361.30	30.61
		EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	441.94	30.61
		EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	386.64	30.61
		EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED).....	386.64	30.61
		EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	311.12	30.61
		EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG).....	304.28	30.61
		EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365(A))	158.41	45.92
		EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T(A)).....	177.06	45.92
		EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R(A)).....	182.40	45.92
		EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO).....	323.42	45.92
		EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365(A))	151.74	45.92
		EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R(A)).....	170.32	45.92
		EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT(A)).....	200.60	45.92
		EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL).....	624.25	45.92
		EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355(A)).....	233.58	45.92

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-1729	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355(A)).....	158.41	45.92
28 46	13 31-1730	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T(A)).....	203.42	45.92
28 46	13 31-1731	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R(A)).....	227.28	45.92
28 46	13 31-1732	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO).....	168.40	45.92
28 46	13 31-1733	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355(A)).....	202.80	45.92
28 46	13 31-1734	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R(A)).....	196.41	45.92
28 46	13 31-1735	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT(A)).....	229.38	45.92
28 46	13 31-1736	EA	Low-Profile, Intelligent, "Adapt" Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355(A)).....	224.13	45.92
28 46	13 31-1737	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH).....	142.54	30.61
28 46	13 31-1738	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH).....	164.19	30.61
28 46	13 31-1739	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH).....	187.52	30.61
28 46	13 31-1740	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH).....	191.45	30.61
28 46	13 31-1741	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355).....	1,703.58	45.92
28 46	13 31-1742	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S).....	1,949.28	45.92
28 46	13 31-1743	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL(A)).....	277.30	30.61
28 46	13 31-1744	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR(A)).....	169.32	30.61
28 46	13 31-1745	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW).....	259.09	30.61
28 46	13 31-1746	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300).....	110.17	18.37
28 46	13 31-1747	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6).....	566.35	30.61
28 46	13 31-1748	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300).....	166.31	30.61
28 46	13 31-1749	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6).....	473.37	30.61
28 46	13 31-1750	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300).....	90.15	15.31
28 46	13 31-1751	EA	Six-Fault Isolator Module (Fire-Lite ISO-6).....	424.30	30.61
28 46	13 31-1752	EA	Dual Monitor Module (Fire-Lite MDF-300).....	201.90	30.61
28 46	13 31-1753	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300).....	89.89	15.31
28 46	13 31-1754	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10).....	612.83	30.61
28 46	13 31-1755	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301).....	119.54	24.49
28 46	13 31-1756	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302).....	169.96	30.61
28 46	13 31-1757	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6).....	606.13	30.61
28 46	13 31-1758	EA	Mount For Modules (Fire-Lite SMB500).....	18.13	3.06
28 46 13 31-1759 Addressable Control Panels (28 46 13 31-1699)					
28 46	13 31-1760	EA	25 Point Intelligent Control (Fire Lite MS-25).....	2,041.38	612.22
28 46	13 31-1761	EA	50 Point Intelligent Control (Fire Lite MS-9050UD).....	2,240.14	612.22
28 46	13 31-1762	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	3,158.71	612.22
28 46	13 31-1763	EA	636-Point Intelligent Control (Fire Lite MS-9600LS).....	4,642.57	612.22
28 46	13 31-1764	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	4,553.13	612.22
28 46	13 31-1765	EA	IP And 4G Cellular Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	672.53	
28 46 13 31-1766 Silent Knight Fire Alarm (28 46 13 31-0972)					
28 46 13 31-1767 Addressable Fire Alarm Control Panel (28 46 13 31-1766)					
28 46	13 31-1768	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820).....	2,551.83	306.11
28 46 13 31-1769 Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System (28 46 13 31-1766)					
28 46	13 31-1770	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS).....	4,932.37	306.11
28 46 13 31-1771 Compatible EVS Equipment (28 46 13 31-1766)					
28 46	13 31-1772	EA	50 Watt Amplifier (Silent Knight EVS-50W).....	900.25	61.22
28 46	13 31-1773	EA	125 Watt Amplifier (Silent Knight EVS-125W).....	1,574.23	61.22
28 46	13 31-1774	EA	50/100 Watt Amplifier (Silent Knight EVS-100W).....	1,955.52	61.22
28 46	13 31-1775	EA	External Backup Amplifier (Silent Knight EVS-100WBU).....	690.73	61.22
28 46	13 31-1776	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W).....	649.83	61.22
28 46	13 31-1777	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4).....	235.91	15.31
28 46	13 31-1778	EA	Remote Voice Module (Silent Knight EVS-RVM).....	1,047.93	24.49
28 46	13 31-1779	EA	24 Switch Expander (Silent Knight EVS-SW24).....	417.57	30.61
28 46	13 31-1780	EA	Network Voice Control Module (Silent Knight EVS-VCM).....	1,253.82	24.49
28 46	13 31-1781	EA	Local Operator Console (Silent Knight EVS-LOC).....	1,690.67	61.22
28 46 13 31-1782 Compatible SBUS Devices (28 46 13 31-1766)					
28 46	13 31-1783	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860).....	1,014.94	61.22
28 46	13 31-1784	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860).....	458.54	61.22
28 46	13 31-1785	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R).....	544.97	61.22
28 46	13 31-1786	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855).....	360.58	61.22
28 46	13 31-1787	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3).....	461.79	61.22
28 46	13 31-1788	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4).....	487.78	61.22
28 46	13 31-1789	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880).....	380.86	45.92
28 46	13 31-1790	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883).....	231.29	30.61
28 46	13 31-1791	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824).....	312.12	30.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1792				SK Compatible Addressable Device <small>(28 46 13 31-1766)</small>		
	EA			Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE).....	165.72	45.92
	EA			Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM).....	927.59	45.92
	EA			Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T).....	1,051.12	45.92
	EA			Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK).....	1,185.09	45.92
	EA			Supervised Control Module (Silent Knight SK-CONTROL).....	164.09	45.92
	EA			Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	486.71	61.22
	EA			Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT).....	264.29	45.92
	EA			Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO).....	238.82	45.92
	EA			Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W).....	266.34	45.92
	EA			Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT).....	150.96	45.92
	EA			Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W).....	155.15	45.92
	EA			Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR).....	152.60	45.92
	EA			Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W).....	155.15	45.92
	EA			Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT).....	150.96	45.92
	EA			Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W).....	155.15	45.92
	EA			Fault Isolator Module (Silent Knight SK-ISO).....	150.96	45.92
	EA			Mini Monitor Module (Silent Knight SK-MINIMON).....	139.45	45.92
	EA			Monitor Module (Silent Knight SK-MONITOR).....	147.96	45.92
	EA			Dual Input Monitor Module (Silent Knight SK-MONITOR-2).....	190.38	45.92
	EA			10 Input Monitor Module (Silent Knight SK-MON-10).....	548.47	61.22
	EA			Photoelectric Smoke Detector (Silent Knight SK-PHOTO).....	154.24	45.92
	EA			Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W).....	162.86	45.92
	EA			Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R).....	156.70	45.92
	EA			Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W).....	165.43	45.92
	EA			Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T).....	160.81	45.92
	EA			Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W).....	169.53	45.92
	EA			Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W).....	179.82	45.92
	EA			Addressable Single Action Pull Station (Silent Knight SK-PULL-SA).....	144.28	30.61
	EA			Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA).....	144.28	30.61
	EA			Addressable Relay Module (Silent Knight SK-RELAY).....	133.48	30.61
	EA			Addressable Six Relay Control Module (Silent Knight SK-RELAY-6).....	474.03	61.22
	EA			Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2).....	297.13	45.92
	EA			Addressable Zone Interface Module (Silent Knight SK-ZONE).....	177.24	45.92
	EA			Six Zone Interface Module (Silent Knight SK-ZONE-6).....	570.65	61.22
28 46 13 31-1827				SK Bases <small>(28 46 13 31-1766)</small>		
	EA			6" Mounting Base (Silent Knight B210LP).....	44.15	15.31
	EA			4" Flangeless Mounting Base (Silent Knight B501).....	46.90	15.31
	EA			Intelligent Sounder Base (Silent Knight B200S).....	89.73	15.31
	EA			Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF).....	124.24	15.31
	EA			Relay Base (Silent Knight B224RB).....	73.99	15.31
	EA			Isolator Base (Silent Knight B224BI).....	73.13	15.31
28 46 13 31-1834				SD Compatible Addressable Device <small>(28 46 13 31-1766)</small>		
	EA			Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	42.43	15.31
	EA			Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	56.86	15.31
	EA			6" Addressable Relay Base (Silent Knight SD505-6RB).....	153.42	15.31
	EA			6" Addressable Sounder Base (Silent Knight SD505-6SB).....	158.83	15.31
	EA			Addressable Input Module (Silent Knight SD500-AIM).....	257.29	45.92
	EA			Addressable Notification Module (Silent Knight SD500-ANM).....	246.23	45.92
	EA			Addressable Relay Module (Silent Knight SD500-ARM).....	265.35	45.92
28 46 13 31-1842				System Expanders <small>(28 46 13 31-1766)</small>		
	EA			SLC Expander For IDP Or SK Devices (Silent Knight 6815).....	543.44	61.22
	EA			SLC Expander For SD Devices (Silent Knight 5815XL).....	479.65	61.22
	EA			6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000).....	846.78	30.61
	EA			6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496).....	597.72	91.83
28 46 13 31-1847				Miscellaneous Accessories <small>(28 46 13 31-1766)</small>		
	EA			Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	144.98	30.61
28 46 13 31-1849				Silent Knight Fire Alarm <small>(28 46 13 31-0972)</small>		
	EA			Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS).....	3,970.17	306.11
	EA			Supervised Remote Command Unit (Silent Knight EVS-RCU).....	1,673.55	183.66
	EA			Voice Evacuation System (Silent Knight SKE-450).....	1,954.67	122.44
	EA			Fire Fighters Telephone (Silent Knight SK-FFT).....	1,631.19	122.44
	EA			Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL).....	1,763.11	183.66
	EA			Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808).....	1,255.34	122.44
	EA			Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700).....	972.78	122.44

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-1857	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	846.53	122.44
28 46	13 31-1858	EA	Ionization Smoke Detector (Silent Knight SK-ION)	173.24	45.92
28 46	13 31-1859	EA	Sounder Base (Silent Knight B200SR)	92.70	15.31
28 46	13 31-1860	EA	Intelligent Sounder Base (Silent Knight B200S)	97.74	15.31
28 46	13 31-1861	EA	Isolator Base (Silent Knight B224BI)	78.45	15.31
28 46	13 31-1862	EA	Relay Base (Silent Knight B224RB)	79.28	15.31
28 46	13 31-1863	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	170.02	45.92
28 46	13 31-1864	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	184.35	45.92
28 46	13 31-1865	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	160.63	45.92
28 46	13 31-1866	EA	6" Isolator Base (Silent Knight SD505-6IB)	96.91	15.31
28 46	13 31-1867	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	637.23	91.83
28 46	13 31-1868	EA	Loop Isolation Module (Silent Knight SD500-LIM)	165.67	45.92
28 46	13 31-1869	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	127.52	30.61
28 46	13 31-1870	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	159.81	30.61
28 46	13 31-1871	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	153.34	30.61
28 46	13 31-1872	EA	Back Box (Silent Knight SK-PSSMBB)	76.04	24.49
28 46	13 31-1873	EA	Smoke Detector Module (Silent Knight SD500-SDM)	182.33	45.92
28 46	13 31-1874	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	318.73	45.92
28 46	13 31-1875	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	358.40	45.92
28 46	13 31-1876	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	164.00	45.92
28 46	13 31-1877	EA	Intelligent Power Module (Silent Knight 5895XL)	913.55	122.44
28 46	13 31-1878	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	153.34	30.61
28 46	13 31-1879	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	526.55	91.83
28 46	13 31-1880	EA	Communicator (Silent Knight IPGSM-4G)	739.77	61.22
28 46	13 31-1881	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,182.95	122.44
28 46	13 31-1882	EA	10 Zone Expander (Silent Knight SK-5217)	329.38	30.61
28 46	13 31-1883	EA	Remote Annunciator (Silent Knight SK-5235)	346.42	61.22
28 46	13 31-1884	EA	Status Display Module (Silent Knight 5280)	107.39	30.61
28 46	13 31-1885	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	701.57	122.44
28 46	13 31-1886	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	714.04	122.44
28 46	13 31-1887	EA	Dress Panel (Silent Knight SK-DP2/4)	136.74	30.61
28 46	13 31-1888	EA	Class A Converter (Silent Knight SK-CAC4)	337.90	45.92
28 46	13 31-1889	EA	Transmitter Module (Silent Knight SK-4XTM)	190.42	45.92
28 46	13 31-1890	EA	LED Interface Module (Silent Knight SK-4XLM)	177.48	45.92
28 46	13 31-1891	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	172.73	30.61
28 46	13 31-1892	EA	Remote Annunciator (Silent Knight SK-RZA4)	177.48	45.92
28 46	13 31-1893	EA	Zone Relay Module (Silent Knight SK-4XZM)	188.80	45.92
28 46	13 31-1894	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	615.84	122.44
28 46	13 31-1895	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	92.51	30.61
28 46	13 31-1896	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	98.76	30.61
28 46	13 31-1897	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	97.00	30.61
28 46	13 31-1898	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	88.44	30.61
28 46	13 31-1899	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	180.14	36.73
28 46	13 31-1900	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	604.50	91.83
28 46	13 31-1901	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	673.08	91.83
28 46	13 31-1902	EA	Detector (Silent Knight IDP-PhotoR)	216.21	45.92
28 46	13 31-1903	EA	Monitoring Module (Silent Knight IDP)	222.76	45.92
28 46	13 31-1904	EA	I/O Input-Output Module (Silent Knight SK-2880)	519.48	30.61
28 46	13 31-1905	EA	Remote Annunciator (Silent Knight RA-2000)	1,492.96	91.83
28 46	13 31-1906	EA	Power Supply (Silent Knight 5195/96)	912.26	30.61
28 46	13 31-1907	EA	8 Zone Expander (Silent Knight SK-5210)	715.87	30.61
28 46	13 31-1908	EA	LCD Remote Annunciator (Silent Knight SK-5230)	330.64	61.22
28 46	13 31-1909	EA	Ionization Smoke Detector (Silent Knight SK-ION)	173.24	45.92
28 46	13 31-1910	EA	Addressable Relay Module (Silent Knight IDP-Relay)	190.03	45.92
28 46	13 31-1911	EA	Telephone Line Monitor (Silent Knight SK-7150)	120.14	30.61
28 46	13 31-1912	EA	Serial Driver Board (Silent Knight SK-2884)	206.55	30.61
28 46	13 31-1913	EA	Smoke Detector Base (Silent Knight IDP-6AB)	63.34	15.31
28 46	13 31-1914	EA	Mini Input Module (Silent Knight IDP-MINIMON)	159.42	30.61
28 46	13 31-1915	EA	Status Display Module (Silent Knight SK-4180)	532.57	30.61
28 46	13 31-1916	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	323.08	30.61
28 46	13 31-1917	EA	Serial Parallel Module (Silent Knight SK-4824)	296.89	30.61
28 46	13 31-1918	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,043.20	30.61
28 46	13 31-1919	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	1,816.05	122.44
28 46	13 31-1920	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	222.76	45.92
28 46	13 31-1921	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	190.03	45.92
28 46	13 31-1922		Alerton Fire Alarm <small>(28 46 13 31)</small>		
28 46	13 31-1923	EA	UL Listed Surge Protector In CHS-M3 Or CPUZ-640 Chassis (Alerton ESD-100)	639.92	9.18
28 46	13 31-1924		Cooper Fire Alarm <small>(28 46 13 31)</small>		
28 46	13 31-1925	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	207.68	30.61
28 46	13 31-1926	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,557.77	52.04
28 46	13 31-1927	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,013.76	52.04
28 46	13 31-1928	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,188.32	61.22
28 46	13 31-1929	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,201.26	61.22
28 46	13 31-1930	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,201.26	61.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1931 EA Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,628.57	61.22
28 46 13 31-1932 EA Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,628.57	61.22
28 46 13 31-1933 EA Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,628.57	61.22
28 46 13 31-1934 EA Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	2,201.26	61.22
28 46 13 31-1935 EA Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	2,201.26	61.22
28 46 13 31-1936 EA Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	2,201.26	61.22
28 46 13 31-1937 EA Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	2,201.26	61.22
28 46 13 31-1938 EA Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	2,201.26	61.22
28 46 13 31-1939 EA Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	2,536.14	61.22
28 46 13 31-1940 EA Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	2,354.95	61.22
28 46 13 31-1941 EA Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	2,354.95	61.22
28 46 13 31-1942 EA Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	2,354.95	61.22
28 46 13 31-1943 Light Engineered Displays Message Boards <small>(28 46 13 31)</small>		
28 46 13 31-1944 EA Two Message Sign, Announcement And Evacuate (LED SP-2/MNS).....	938.46	36.73
28 46 13 31-1945 EA Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4).....	827.12	36.73
28 46 13 31-1946 Safety Technology International Fire Alarm <small>(28 46 13 31)</small>		
28 46 13 31-1947 Enclosures <small>(28 46 13 31-1946)</small>		
28 46 13 31-1948 EA 6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O).....	166.54	18.37
28 46 13 31-1949 EA 6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W).....	218.69	18.37
28 46 13 31-1950 EA 8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O).....	170.01	18.37
28 46 13 31-1951 EA 8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W).....	219.85	18.37
28 46 13 31-1952 EA 8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O).....	174.65	18.37
28 46 13 31-1953 EA 8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W).....	254.62	18.37
28 46 13 31-1954 EA 10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O).....	182.76	18.37
28 46 13 31-1955 EA 10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W).....	253.46	18.37
28 46 13 31-1956 EA 12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O).....	196.67	18.37
28 46 13 31-1957 EA 12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W).....	275.48	18.37
28 46 13 31-1958 EA 14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O).....	234.92	18.37
28 46 13 31-1959 EA 14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W).....	358.93	18.37
28 46 13 31-1960 EA 14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O).....	253.46	18.37
28 46 13 31-1961 EA 14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W).....	453.97	18.37
28 46 13 31-1962 EA 16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O).....	269.69	18.37
28 46 13 31-1963 EA 16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W).....	467.87	18.37
28 46 13 31-1964 EA 18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O).....	321.84	18.37
28 46 13 31-1965 EA 18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W).....	480.62	18.37
28 46 13 31-1966 EA 20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O).....	467.87	18.37
28 46 13 31-1967 EA 20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W).....	697.35	18.37
28 46 13 31-1968 EA 6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O).....	122.50	18.37
28 46 13 31-1969 EA 6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T).....	134.09	18.37
28 46 13 31-1970 EA 8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O).....	127.71	18.37
28 46 13 31-1971 EA 8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T).....	137.56	18.37
28 46 13 31-1972 EA 8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O).....	132.35	18.37
28 46 13 31-1973 EA 8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T).....	143.94	18.37
28 46 13 31-1974 EA 10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O).....	134.09	18.37
28 46 13 31-1975 EA 10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T).....	157.84	18.37
28 46 13 31-1976 EA 10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O).....	141.04	18.37
28 46 13 31-1977 EA 10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T).....	162.48	18.37
28 46 13 31-1978 EA 10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O).....	147.41	18.37
28 46 13 31-1979 EA 10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T).....	165.38	18.37
28 46 13 31-1980 EA 12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O).....	149.15	18.37
28 46 13 31-1981 EA 12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T).....	171.17	18.37
28 46 13 31-1982 EA 14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O).....	175.81	18.37
28 46 13 31-1983 EA 14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T).....	219.85	18.37
28 46 13 31-1984 EA 16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O).....	194.35	18.37
28 46 13 31-1985 EA 16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T).....	263.89	18.37
28 46 13 31-1986 EA 18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O).....	216.37	18.37
28 46 13 31-1987 EA 18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T).....	283.59	18.37
28 46 13 31-1988 EA 18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O).....	246.51	18.37
28 46 13 31-1989 EA 18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T).....	333.43	18.37
28 46 13 31-1990 EA 20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O).....	396.02	18.37
28 46 13 31-1991 EA 20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T).....	414.56	18.37
28 46 13 31-1992 EA 24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O).....	600.00	18.37
28 46 13 31-1993 EA 24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T).....	696.20	18.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1994 STI® Fire Alarm Devices (28 46 13 31-1946)		
28 46 13 31-1995 EA Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100).....	200.73	18.37
Note: Includes 9 Volt DC self contained battery.		
28 46 13 31-1996 EA Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	219.85	18.37
28 46 13 31-1997 EA Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	126.26	18.37
28 46 13 31-1998 EA Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D).....	127.42	18.37
Note: For surface mounted horn strobes.		
28 46 13 31-1999 EA Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	112.35	18.37
28 46 13 31-2000 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	127.42	18.37
Note: For surface mounted strobe.		
28 46 13 31-2001 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	101.05	18.37
28 46 13 31-2002 EA NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	248.83	18.37
28 46 13 31-2003 EA Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	163.06	18.37
Note: For surface mounted pull stations.		
28 46 13 31-2004 EA Backplate For Polycarbonate Cover (STI-1280)	73.35	18.37
28 46 13 31-2005 EA Conduit Gasket For Polycarbonate Cover (STI-3003)	50.64	18.37
28 46 13 31-2006 EA Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	74.63	18.37
28 46 13 31-2007 EA Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	183.34	18.37
28 46 13 31-2008 EA 8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A).....	150.31	18.37
28 46 13 31-2009 EA Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	108.59	18.37
28 46 13 31-2010 EA Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	102.21	18.37
28 46 13 31-2011 EA Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	98.45	18.37
28 46 13 31-2012 EA Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604).....	102.21	18.37
28 46 13 31-2013 EA Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	98.45	18.37
28 46 13 31-2014 EA Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	102.21	18.37
28 46 13 31-2015 EA Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	98.45	18.37
28 46 13 31-2016 EA Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	201.89	18.37
28 46 13 31-2017 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	90.85	18.37
28 46 13 31-2018 EA Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	106.29	18.37
28 46 13 31-2019 EA Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706).....	142.78	18.37
28 46 13 31-2020 EA Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	142.78	18.37
28 46 13 31-2021 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	101.05	18.37
28 46 13 31-2022 EA Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	101.05	18.37
28 46 13 31-2023 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	90.85	18.37
28 46 13 31-2024 EA Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	101.05	18.37
28 46 13 31-2025 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	101.05	18.37
28 46 13 31-2026 EA Yellow, High Threat, Push Button Station (STI SS-2201)	129.59	9.18
28 46 13 31-2027 EA Gasket Kit For STI Covers (STI SUB-121).....	53.59	
28 46 13 31-2028 EA Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	263.89	18.37
28 46 13 31-2029 EA No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV).....	140.46	18.37
28 46 13 31-2030 EA No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	140.46	18.37
28 46 13 31-2031 EA Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM).....	263.89	18.37
28 46 13 31-2032 EA Flush Mounted, Weather Stopper II (STI-1250).....	151.76	18.37
28 46 13 31-2033 EA Flush Mounted, Clear, Universal Stopper (STI-13000NC).....	98.45	18.37
28 46 13 31-2034 EA Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR).....	174.07	18.37
28 46 13 31-2035 EA Surface Mounted, Clear, Universal Stopper (STI-13200NC)	120.18	18.37
28 46 13 31-2036 EA Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR).....	131.77	18.37
28 46 13 31-2037 EA Surface Mounted, No Label, White, Universal Stopper (STI-13210NW).....	143.94	18.37
28 46 13 31-2038 EA Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	143.94	18.37
28 46 13 31-2039 EA Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR).....	195.51	18.37
28 46 13 31-2040 EA Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	207.10	18.37
28 46 13 31-2041 EA Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR).....	247.67	18.37
28 46 13 31-2042 EA Stopper II, Weather Gasket (STI-3002).....	49.42	18.37
28 46 13 31-2043 EA Large, Break Glass Stopper (STI-4100).....	142.78	18.37
28 46 13 31-2044 EA Stopper "G" Standard Break Glass Cover (STI-6100).....	137.56	18.37
28 46 13 31-2045 EA Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A).....	132.64	18.37
28 46 13 31-2046 EA Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530).....	365.88	18.37
28 46 13 31-2047 EA Heated, Metal, Protective Cabinet (STI-7560AH)	5,205.83	18.37
28 46 13 31-2048 EA Stainless Steel Guard (STI-9604SS)	93.52	18.37
28 46 13 31-2049 EA 5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	83.38	18.37
28 46 13 31-2050 System Sensor Fire Alarm (28 46 13 31)		
28 46 13 31-2051 Smoke Detectors (28 46 13 31-2050)		
28 46 13 31-2052 EA Beam Detector Heater Kit (System Sensor BEAMHK)	65.23	6.12
28 46 13 31-2053 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	277.77	6.12
Note: Four used with long range kit.		
28 46 13 31-2054 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	329.62	61.22
28 46 13 31-2055 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	238.53	61.22
28 46 13 31-2056 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	192.10	61.22
28 46 13 31-2057 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	181.23	45.92
28 46 13 31-2058 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	178.45	45.92
28 46 13 31-2059 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	190.86	45.92
28 46 13 31-2060 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B).....	184.33	45.92
28 46 13 31-2061 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B).....	190.36	45.92
28 46 13 31-2062 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	195.68	45.92
28 46 13 31-2063 EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	266.55	45.92
28 46 13 31-2064 EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151).....	155.05	30.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2065 EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T).....	177.70	30.61
Note: Requires B100 series base.		
28 46 13 31-2066 EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	318.76	15.31
28 46 13 31-2067 EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK).....	107.11	15.31
28 46 13 31-2068 EA Four Wire, Low Profile, Plug In Detector (System Sensor 2D51).....	204.04	45.92
28 46 13 31-2069 Duct Smoke Detectors (28 46 13 31-2050)		
28 46 13 31-2070 EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	403.79	45.92
28 46 13 31-2071 EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	400.22	45.92
28 46 13 31-2072 EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W).....	526.78	52.04
28 46 13 31-2073 EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	263.64	30.61
28 46 13 31-2074 EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	71.36	9.18
28 46 13 31-2075 EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR).....	226.39	24.49
28 46 13 31-2076 EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	369.61	30.61
28 46 13 31-2077 EA 1' Steel Sampling Tube (System Sensor DST1).....	39.85	12.24
28 46 13 31-2078 EA 1.5' Steel Sampling Tube (System Sensor DST1.5).....	43.90	12.24
28 46 13 31-2079 EA 3' Steel Sampling Tube (System Sensor DST3).....	50.03	12.24
28 46 13 31-2080 EA 5' Steel Sampling Tube (System Sensor DST5).....	58.81	15.31
28 46 13 31-2081 EA 10' Steel Sampling Tube (System Sensor DST10).....	96.15	18.37
28 46 13 31-2082 EA 1' Steel, Exhaust Tube Duct (System Sensor ETX).....	45.57	12.24
28 46 13 31-2083 EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151).....	106.81	15.31
28 46 13 31-2084 EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	238.74	
28 46 13 31-2085 EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	256.60	
28 46 13 31-2086 Heat Detectors (28 46 13 31-2050)		
28 46 13 31-2087 EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	120.71	45.92
28 46 13 31-2088 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602).....	120.05	45.92
28 46 13 31-2089 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	141.24	45.92
28 46 13 31-2090 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	141.24	45.92
28 46 13 31-2091 EA Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623).....	149.86	45.92
28 46 13 31-2092 EA Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624).....	149.86	45.92
28 46 13 31-2093 Horns (28 46 13 31-2050)		
28 46 13 31-2094 EA Red, Mini Horn (System Sensor MHR).....	129.63	45.92
28 46 13 31-2095 EA White, Mini Horn (System Sensor MHW).....	129.63	45.92
28 46 13 31-2096 EA White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL).....	131.48	45.92
28 46 13 31-2097 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	166.35	52.04
28 46 13 31-2098 EA Red, Indoor, Wall Mounted, Horn (System Sensor HRL).....	131.48	45.92
28 46 13 31-2099 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	181.23	45.92
28 46 13 31-2100 EA White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL).....	132.08	45.92
28 46 13 31-2101 EA Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL).....	132.08	45.92
28 46 13 31-2102 Wall Mounted Horns/Strobes (28 46 13 31-2050)		
28 46 13 31-2103 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL).....	181.13	45.92
28 46 13 31-2104 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	224.49	45.92
28 46 13 31-2105 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	270.78	52.04
28 46 13 31-2106 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	264.23	52.04
28 46 13 31-2107 EA Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	277.03	52.04
28 46 13 31-2108 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	269.88	52.04
28 46 13 31-2109 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	255.89	52.04
28 46 13 31-2110 EA Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi- Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	222.51	45.92
28 46 13 31-2111 EA Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P).....	176.97	45.92
28 46 13 31-2112 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL).....	181.13	45.92
28 46 13 31-2113 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH).....	226.10	45.92
28 46 13 31-2114 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	261.85	52.04
28 46 13 31-2115 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High- Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	264.23	52.04
28 46 13 31-2116 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	224.49	45.92
28 46 13 31-2117 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	278.82	52.04
28 46 13 31-2118 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	255.89	52.04

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2119 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P).....	176.07	45.92
28 46 13 31-2120 EA Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	218.64	45.92
28 46 13 31-2121 EA Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	230.75	45.92
28 46 13 31-2122 EA Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	266.38	52.04
28 46 13 31-2123 EA Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	249.94	52.04
28 46 13 31-2124 EA White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	218.64	45.92
28 46 13 31-2125 EA Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	285.27	52.04
28 46 13 31-2126 EA Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	264.82	52.04
28 46 13 31-2127 EA Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF).....	270.43	45.92
28 46 13 31-2128 EA White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF).....	270.43	45.92
28 46 13 31-2129 EA Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL).....	180.54	45.92
28 46 13 31-2130 EA White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL).....	180.54	45.92
28 46 13 31-2131 Ceiling Mounted Horns/Strobes <small>(28 46 13 31-2050)</small>		
28 46 13 31-2132 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	184.11	45.92
28 46 13 31-2133 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	227.72	45.92
28 46 13 31-2134 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	261.85	52.04
28 46 13 31-2135 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	254.11	52.04
28 46 13 31-2136 EA Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	216.40	45.92
28 46 13 31-2137 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	184.11	45.92
28 46 13 31-2138 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	227.72	45.92
28 46 13 31-2139 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	261.85	52.04
28 46 13 31-2140 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	227.72	45.92
28 46 13 31-2141 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	254.11	52.04
28 46 13 31-2142 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	214.78	45.92
28 46 13 31-2143 EA Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	220.13	45.92
28 46 13 31-2144 EA Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	230.75	45.92
28 46 13 31-2145 EA White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL).....	220.13	45.92
28 46 13 31-2146 Wall Mounted Strobes <small>(28 46 13 31-2050)</small>		
28 46 13 31-2147 EA White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	84.07	15.31
28 46 13 31-2148 EA White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	164.27	15.31
28 46 13 31-2149 EA Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL).....	162.97	45.92
28 46 13 31-2150 EA Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	194.99	45.92
28 46 13 31-2151 EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	237.50	52.04
28 46 13 31-2152 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	234.75	52.04
28 46 13 31-2153 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	234.46	52.04
28 46 13 31-2154 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	205.29	52.04
28 46 13 31-2155 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P).....	161.49	45.92
28 46 13 31-2156 EA White, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL).....	162.38	45.92
28 46 13 31-2157 EA White, Amber Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT).....	176.37	45.92
28 46 13 31-2158 EA White, Clear Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT).....	203.46	45.92
28 46 13 31-2159 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	213.16	45.92
28 46 13 31-2160 EA White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	211.54	45.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2161 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	211.54	45.92
28 46 13 31-2162 EA Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	238.03	52.04
28 46 13 31-2163 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	235.35	52.04
28 46 13 31-2164 EA White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	237.44	52.04
28 46 13 31-2165 EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	228.65	52.04
28 46 13 31-2166 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	232.97	52.04
28 46 13 31-2167 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	234.16	52.04
28 46 13 31-2168 EA White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P).....	161.19	45.92
28 46 13 31-2169 EA Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	28.61	6.12
28 46 13 31-2170 EA Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	28.61	6.12
28 46 13 31-2171 EA Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	28.61	6.12
28 46 13 31-2172 EA Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	28.61	6.12
28 46 13 31-2173 EA Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL).....	165.36	45.92
28 46 13 31-2174 EA White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL).....	162.08	45.92
28 46 13 31-2175 EA L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2).....	28.61	6.12
28 46 13 31-2176 EA L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2).....	28.61	6.12
28 46 13 31-2177 EA L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2).....	28.61	6.12
28 46 13 31-2178 EA L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2).....	28.61	6.12
28 46 13 31-2179 EA Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR).....	241.66	45.92
28 46 13 31-2180 EA White, 8 Multi-tone, 12 VDC, 1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW).....	241.66	45.92
28 46 13 31-2181 EA L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT).....	239.22	52.04
28 46 13 31-2182 Ceiling Mounted Strobes (28 46 13 31-2050)		
28 46 13 31-2183 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL).....	166.25	45.92
28 46 13 31-2184 EA Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	197.74	45.92
28 46 13 31-2185 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	237.50	52.04
28 46 13 31-2186 EA Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	237.50	52.04
28 46 13 31-2187 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL).....	166.25	45.92
28 46 13 31-2188 EA Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT).....	178.16	45.92
28 46 13 31-2189 EA White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	216.40	45.92
28 46 13 31-2190 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	235.35	52.04
28 46 13 31-2191 EA Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	232.97	52.04
28 46 13 31-2192 EA Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	192.13	45.92
28 46 13 31-2193 EA Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	28.61	6.12
28 46 13 31-2194 EA Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	28.61	6.12
28 46 13 31-2195 EA Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	28.61	6.12
28 46 13 31-2196 EA Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	28.61	6.12
28 46 13 31-2197 Wall Mounted Speakers (28 46 13 31-2050)		
28 46 13 31-2198 EA 24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	438.32	45.92
28 46 13 31-2199 EA Red, Wall Mounted Speaker (System Sensor SPRL).....	138.86	45.92
28 46 13 31-2200 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	225.78	45.92
28 46 13 31-2201 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	186.24	52.04
28 46 13 31-2202 EA Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	160.60	45.92
28 46 13 31-2203 EA White, Wall Mounted Speaker (System Sensor SPWL).....	138.86	45.92
28 46 13 31-2204 EA White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	236.84	52.04
28 46 13 31-2205 EA White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	157.20	45.92
28 46 13 31-2206 Ceiling Mounted Speakers (28 46 13 31-2050)		
28 46 13 31-2207 EA Red, Ceiling Mounted Speaker (System Sensor SPCRL).....	135.59	45.92
28 46 13 31-2208 EA Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	216.31	45.92
28 46 13 31-2209 EA Red, High dB, Ceiling Mounted Speaker (System Sensor SPCR).....	160.60	45.92
28 46 13 31-2210 EA White, Ceiling Mounted Speaker (System Sensor SPCWL).....	138.27	45.92
28 46 13 31-2211 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	172.72	45.92
28 46 13 31-2212 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	238.03	52.04
28 46 13 31-2213 Wall Mounted Speakers/Strobes (28 46 13 31-2050)		
28 46 13 31-2214 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	162.18	15.31

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2215 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL)	80.50	15.31
28 46 13 31-2216 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	228.76	45.92
28 46 13 31-2217 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	247.25	45.92
28 46 13 31-2218 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	329.65	52.04
28 46 13 31-2219 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	329.72	52.04
28 46 13 31-2220 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	280.30	52.04
28 46 13 31-2221 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	226.08	45.92
28 46 13 31-2222 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	239.00	45.92
28 46 13 31-2223 EA White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	229.95	45.92
28 46 13 31-2224 EA White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	333.89	52.04
28 46 13 31-2225 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	228.76	45.92
28 46 13 31-2226 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	274.64	45.92
28 46 13 31-2227 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	274.64	45.92
28 46 13 31-2228 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	345.79	52.04
28 46 13 31-2229 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	328.53	52.04
28 46 13 31-2230 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	224.89	45.92
28 46 13 31-2231 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	264.93	45.92
28 46 13 31-2232 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	264.93	45.92
28 46 13 31-2233 Ceiling Mounted Speakers/Strobes <small>(28 46 13 31-2050)</small>		
28 46 13 31-2234 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL).....	212.69	45.92
28 46 13 31-2235 EA Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	250.01	45.92
28 46 13 31-2236 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	239.00	45.92
28 46 13 31-2237 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	212.69	45.92
28 46 13 31-2238 EA White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	227.57	45.92
28 46 13 31-2239 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	274.64	45.92
28 46 13 31-2240 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	347.58	52.04
28 46 13 31-2241 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	274.64	45.92
28 46 13 31-2242 EA White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	334.48	52.04
28 46 13 31-2243 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	345.79	52.04
28 46 13 31-2244 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	212.69	45.92
28 46 13 31-2245 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	264.93	45.92
28 46 13 31-2246 EA White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	274.64	45.92
28 46 13 31-2247 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	264.93	45.92
28 46 13 31-2248 EA High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	274.39	45.92
28 46 13 31-2249 Electric Alarm Bells <small>(28 46 13 31-2050)</small>		
28 46 13 31-2250 EA 6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	173.69	45.92
28 46 13 31-2251 EA 8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	188.28	45.92
28 46 13 31-2252 EA 10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	204.35	45.92
28 46 13 31-2253 EA 6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	184.05	46.53
28 46 13 31-2254 EA 8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	186.18	46.53
28 46 13 31-2255 EA 10" 120 Volt AC Alarm Bell (System Sensor SSV120-10).....	199.65	46.53
28 46 13 31-2256 Device Bases <small>(28 46 13 31-2050)</small>		
28 46 13 31-2257 EA High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	138.07	15.31
28 46 13 31-2258 EA Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	133.61	15.31
28 46 13 31-2259 EA Intelligent Isolator Base (System Sensor B224BI).....	109.49	15.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2260 EA Intelligent Relay Base (System Sensor B224RB).....	110.68	15.31
28 46 13 31-2261 EA Flangeless, Intelligent Detector Base (System Sensor B501)	67.76	15.31
28 46 13 31-2262 EA High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	138.07	15.31
28 46 13 31-2263 EA Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	133.61	15.31
28 46 13 31-2264 EA Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	200.88	15.31
28 46 13 31-2265 EA Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR- LF-IV)	200.88	15.31
28 46 13 31-2266 EA Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR- LF-WH).....	194.33	15.31
28 46 13 31-2267 EA Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH).....	143.52	15.31
28 46 13 31-2268 EA High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	130.93	15.31
28 46 13 31-2269 EA Intelligent Isolator Base, Ivory (System Sensor B224BI-IV).....	109.49	15.31
28 46 13 31-2270 EA Intelligent Isolator Base, White (System Sensor B224BI-WH).....	102.35	15.31
28 46 13 31-2271 EA Intelligent Relay Base, Ivory (System Sensor B224RB-IV).....	110.68	15.31
28 46 13 31-2272 EA Intelligent Relay Base, White (System Sensor B224RB-WH).....	103.84	15.31
28 46 13 31-2273 EA Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL).....	67.76	15.31
28 46 13 31-2274 EA Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV).....	67.76	15.31
28 46 13 31-2275 EA Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE).....	60.02	15.31
28 46 13 31-2276 EA Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF).....	204.45	15.31
28 46 13 31-2277 EA Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF- IV).....	204.45	15.31
28 46 13 31-2278 EA Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF- WH)	196.71	15.31
28 46 13 31-2279 EA 6" Intelligent Flanged Mounting Base (System Sensor B300-6)	52.94	15.31
28 46 13 31-2280 EA 6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV).....	60.38	15.31
28 46 13 31-2281 EA Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP).....	57.30	15.31
28 46 13 31-2282 EA Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP).....	115.19	18.37
28 46 13 31-2283	Boxes, Plates And Decals	<small>(28 46 13 31-2050)</small>
28 46 13 31-2284 EA 120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	60.62	15.31
28 46 13 31-2285 EA Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	92.88	15.31
28 46 13 31-2286 EA White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	101.46	15.31
28 46 13 31-2287 EA White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	92.88	15.31
28 46 13 31-2288 EA Red Retrofit Plate (System Sensor RFP).....	42.42	9.18
28 46 13 31-2289 EA White Retrofit Plate (System Sensor RFPW).....	42.06	9.18
28 46 13 31-2290 EA Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	78.00	15.31
28 46 13 31-2291 EA Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	88.24	15.31
28 46 13 31-2292 EA Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCL).....	61.33	15.31
28 46 13 31-2293 EA White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCLW).....	61.33	15.31
28 46 13 31-2294 EA Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL).....	52.64	15.31
28 46 13 31-2295 EA Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL).....	59.19	15.31
28 46 13 31-2296 EA White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL).....	59.19	15.31
28 46 13 31-2297 EA White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL).....	52.64	15.31
28 46 13 31-2298 EA Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	56.49	15.31
28 46 13 31-2299 EA Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	52.94	15.31
28 46 13 31-2300 EA Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	19.05	6.12
28 46 13 31-2301 EA Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	28.85	6.12
28 46 13 31-2302 EA Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	40.31	6.12
28 46 13 31-2303 EA White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	28.85	6.12
28 46 13 31-2304 EA White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	40.31	6.12
28 46 13 31-2305 EA Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2).....	21.22	6.12
28 46 13 31-2306 EA White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W).....	21.22	6.12
28 46 13 31-2307 EA Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2).....	21.22	6.12
28 46 13 31-2308 EA White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W).....	21.22	6.12
28 46 13 31-2309 EA Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL).....	52.64	15.31
28 46 13 31-2310 EA White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL).....	52.64	15.31
28 46 13 31-2311 EA Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG).....	25.93	6.12
28 46 13 31-2312 EA Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL).....	25.93	6.12
28 46 13 31-2313 EA Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	25.93	6.12
28 46 13 31-2314 EA Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F).....	25.93	6.12
28 46 13 31-2315 EA White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG).....	25.93	6.12
28 46 13 31-2316 EA White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL).....	25.93	6.12
28 46 13 31-2317 EA White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV).....	25.93	6.12
28 46 13 31-2318 EA White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F).....	25.93	6.12
28 46 13 31-2319 EA Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P).....	25.93	6.12
28 46 13 31-2320 EA White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P).....	25.93	6.12
28 46 13 31-2321 EA Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	25.93	6.12
28 46 13 31-2322 EA Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL).....	25.93	6.12
28 46 13 31-2323 EA Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG).....	28.43	6.12
28 46 13 31-2324 EA Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL).....	28.43	6.12
28 46 13 31-2325 EA Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV).....	28.43	6.12
28 46 13 31-2326 EA Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F).....	28.43	6.12
28 46 13 31-2327 EA Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P).....	28.43	6.12
28 46 13 31-2328 EA Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV).....	25.93	6.12
28 46 13 31-2329 EA Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F).....	25.93	6.12
28 46 13 31-2330 EA Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P).....	25.93	6.12
28 46 13 31-2331 EA Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	25.93	6.12
28 46 13 31-2332 EA White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG).....	25.93	6.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2333	EA		White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	25.93	6.12
28 46 13 31-2334	EA		White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	28.43	6.12
28 46 13 31-2335	EA		White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	28.43	6.12
28 46 13 31-2336	EA		White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	28.43	6.12
28 46 13 31-2337	EA		White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	28.43	6.12
28 46 13 31-2338	EA		White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	28.43	6.12
28 46 13 31-2339	EA		White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	25.93	6.12
28 46 13 31-2340	EA		White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	25.93	6.12
28 46 13 31-2341	EA		Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.30	
28 46 13 31-2342	EA		Control Module Barrier (System Sensor CB500)	38.85	9.18
28 46 13 31-2343	EA		White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	35.64	9.18
28 46 13 31-2344	EA		Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	43.32	9.18
28 46 13 31-2345	EA		PTIR Color Kit, White (System Sensor CK-300-IR)	166.02	9.18
			Note: Includes cover and trim ring		
28 46 13 31-2346	EA		PTIR Color Kit, Black (System Sensor CK-300-IR-BL)	241.63	9.18
			Note: Includes cover and trim ring		
28 46 13 31-2347	EA		PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV)	241.63	9.18
			Note: Includes cover and trim ring		
28 46 13 31-2348	EA		Accessory Flange Ring For B210LP Base (System Sensor F210)	28.91	9.18
			Note: Includes cover and trim ring		
28 46 13 31-2349	EA		Black Faceplate (System Sensor FP-BLACK-BP)	28.04	9.18
28 46 13 31-2350	EA		White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	28.49	9.18
28 46 13 31-2351	EA		White Faceplate (System Sensor FP-WHITE-BP)	27.03	9.18
28 46 13 31-2352	EA		White, Back Box (System Sensor SMB500-WH)	49.84	15.31
28 46 13 31-2353	EA		Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	19.68	6.12
28 46 13 31-2354	EA		Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	28.37	6.12
28 46 13 31-2355	EA		White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	29.89	9.18
28 46 13 31-2356	EA		Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	25.93	6.12
28 46 13 31-2357	EA		Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	28.43	6.12
28 46 13 31-2358	EA		Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	28.43	6.12
28 46 13 31-2359	EA		Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	28.43	6.12
28 46 13 31-2360	EA		Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	28.43	6.12
28 46 13 31-2361	EA		Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	28.43	6.12
28 46 13 31-2362	EA		Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	25.93	6.12
28 46 13 31-2363	EA		Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	25.93	6.12
28 46 13 31-2364	EA		Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	25.93	6.12
28 46 13 31-2365	EA		L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	78.48	15.31
28 46 13 31-2366	EA		White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	157.12	15.31
28 46 13 31-2367			Chimes (28 46 13 31-2050)		
28 46 13 31-2368	EA		Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	161.50	45.92
28 46 13 31-2369	EA		White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	167.44	45.92
28 46 13 31-2370			Chime/Strobes (28 46 13 31-2050)		
28 46 13 31-2371	EA		Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	246.62	45.92
28 46 13 31-2372	EA		White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	246.62	45.92
28 46 13 31-2373	EA		L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	248.41	45.92
28 46 13 31-2374	EA		L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	248.41	45.92
28 46 13 31-2375			Carbon Monoxide Detectors (28 46 13 31-2050)		
28 46 13 31-2376	EA		Conventional Carbon Monoxide Detector (System Sensor CO1224)	296.43	61.22
28 46 13 31-2377	EA		Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	244.24	45.92
28 46 13 31-2378	EA		CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	19.43	6.12
28 46 13 31-2379	EA		Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	369.26	45.92
28 46 13 31-2380	EA		12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	274.85	61.22
28 46 13 31-2381	EA		Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	382.36	45.92
28 46 13 31-2382			Switches (28 46 13 31-2050)		
28 46 13 31-2383	EA		SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	225.20	24.49
28 46 13 31-2384	EA		Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	251.99	24.49
28 46 13 31-2385	EA		SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	225.20	24.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2386 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	251.99	24.49
28 46 13 31-2387 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	234.73	24.49
28 46 13 31-2388 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	219.25	24.49
28 46 13 31-2389 Low Frequency Sounders <small>(28 46 13 31-2050)</small>		
28 46 13 31-2390 EA Red, Low Frequency Sounder (System Sensor HR-LF)	218.02	45.92
28 46 13 31-2391 EA White, Low Frequency Sounder (System Sensor HW-LF)	218.02	45.92
28 46 13 31-2392 EA Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	200.48	45.92
28 46 13 31-2393 EA White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	200.48	45.92
28 46 13 31-2394 EA Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	198.99	45.92
28 46 13 31-2395 EA White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	198.99	45.92
28 46 13 31-2396 Sync Modules <small>(28 46 13 31-2050)</small>		
28 46 13 31-2397 EA Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	177.31	30.61
28 46 13 31-2398 EA White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	174.34	30.61
28 46 13 31-2399 Relays <small>(28 46 13 31-2050)</small>		
28 46 13 31-2400 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	99.23	24.49
28 46 13 31-2401 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	64.07	15.31
28 46 13 31-2402 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	191.35	15.31
28 46 13 31-2403 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	140.15	15.31
28 46 13 31-2404 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	107.21	24.49
28 46 13 31-2405 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	66.21	15.31
28 46 13 31-2406 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	215.76	15.31
28 46 13 31-2407 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	160.69	15.31
28 46 13 31-2408 EA 18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	55.38	15.31
28 46 13 31-2409 EA 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	55.38	15.31
28 46 13 31-2410 EA Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	55.38	15.31
28 46 13 31-2411 Remote Annunciator <small>(28 46 13 31-2050)</small>		
28 46 13 31-2412 EA Remote Annunciator (System Sensor RA100Z)	129.34	45.92
28 46 13 31-2413 EA Remote LED Annunciator (System Sensor RA100ZA)	123.19	45.92
28 46 13 31-2414 EA Remote Annunciator With Piezo Alarm (System Sensor APA151)	153.87	45.92
28 46 13 31-2415 Remote Test Station <small>(28 46 13 31-2050)</small>		
28 46 13 31-2416 EA Remote Test Station With Key (System Sensor RTS151KEY)	206.73	45.92
28 46 13 31-2417 Fire Alarm Digital Cellular Communicator <small>(28 46 13 31)</small>		
28 46 13 31-2418 EA Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	757.06	61.22
28 46 13 31-2419 Wheelock Fire Alarm <small>(28 46 13 31)</small>		
28 46 13 31-2420 Ceiling Mounted Chimes/Strobes <small>(28 46 13 31-2419)</small>		
28 46 13 31-2421 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	270.37	45.92
28 46 13 31-2422 Wall Mounted Chimes/Strobes <small>(28 46 13 31-2419)</small>		
28 46 13 31-2423 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	270.37	45.92
28 46 13 31-2424 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	270.37	45.92
28 46 13 31-2425 Ceiling Mounted Horns/Strobes <small>(28 46 13 31-2419)</small>		
28 46 13 31-2426 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	173.92	45.92
28 46 13 31-2427 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	200.78	45.92
28 46 13 31-2428 Wall Mounted Horns/Strobes <small>(28 46 13 31-2419)</small>		
28 46 13 31-2429 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	177.74	45.92
28 46 13 31-2430 EA Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	276.25	45.92
28 46 13 31-2431 EA Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	242.45	45.92
28 46 13 31-2432 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	242.45	45.92
28 46 13 31-2433 EA Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	261.69	45.92
28 46 13 31-2434 EA Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	199.49	45.92
28 46 13 31-2435 EA Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	197.25	45.92
28 46 13 31-2436 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	217.57	52.04
28 46 13 31-2437 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	176.84	45.92

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-2438	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	176.84	45.92
28 46	13 31-2439	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	196.35	45.92
28 46	13 31-2440	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	242.45	45.92
28 46	13 31-2441	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	242.45	45.92
28 46	13 31-2442		Ceiling Mounted Strobes (28 46 13 31-2419)		
28 46	13 31-2443	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	165.85	45.92
28 46	13 31-2444	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	165.85	45.92
28 46	13 31-2445	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	181.13	45.92
28 46	13 31-2446	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	159.12	45.92
28 46	13 31-2447	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	177.51	45.92
28 46	13 31-2448	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW).....	179.08	45.92
28 46	13 31-2449	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCC-FW).....	179.75	45.92
28 46	13 31-2450	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR).....	190.36	45.92
28 46	13 31-2451		Wall Mounted Strobes (28 46 13 31-2419)		
28 46	13 31-2452	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	253.77	45.92
28 46	13 31-2453	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	203.08	45.92
28 46	13 31-2454	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	219.63	45.92
28 46	13 31-2455	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	164.05	45.92
28 46	13 31-2456	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	164.05	45.92
28 46	13 31-2457	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	175.72	45.92
28 46	13 31-2458	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)..... Note: Requires WPSBB-R.	183.03	52.04
28 46	13 31-2459	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	160.24	45.92
28 46	13 31-2460	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	160.24	45.92
28 46	13 31-2461	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW).....	191.42	45.92
28 46	13 31-2462	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	166.07	45.92
28 46	13 31-2463	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW)..... Note: Requires WPSBB-R.	206.48	52.04
28 46	13 31-2464	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	204.65	45.92
28 46	13 31-2465		Ceiling Mounted Speakers/Strobes (28 46 13 31-2419)		
28 46	13 31-2466	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	203.08	45.92
28 46	13 31-2467	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	203.08	45.92
28 46	13 31-2468	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	203.08	45.92
28 46	13 31-2469	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	205.32	45.92
28 46	13 31-2470	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	217.89	45.92
28 46	13 31-2471	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	235.38	45.92
28 46	13 31-2472	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	235.38	45.92
28 46	13 31-2473	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	207.12	45.92
28 46	13 31-2474	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW).....	230.55	45.92
28 46	13 31-2475	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	244.83	45.92
28 46	13 31-2476	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW).....	259.12	45.92
28 46	13 31-2477		Wall Mounted Speakers/Strobes (28 46 13 31-2419)		
28 46	13 31-2478	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	303.76	45.92
28 46	13 31-2479	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	303.76	45.92
28 46	13 31-2480	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	217.89	45.92
28 46	13 31-2481	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	217.89	45.92
28 46	13 31-2482	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	203.08	45.92
28 46	13 31-2483	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	199.49	45.92
28 46	13 31-2484	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	217.89	45.92
28 46	13 31-2485	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	217.89	45.92
28 46	13 31-2486	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	300.52	45.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2487 EA Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	205.32	45.92
28 46 13 31-2488 EA White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	203.53	45.92
28 46 13 31-2489 EA Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	293.24	45.92
28 46 13 31-2490 EA White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	300.52	45.92
28 46 13 31-2491 EA Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	235.38	45.92
28 46 13 31-2492 EA White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	235.38	45.92
28 46 13 31-2493 EA Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR)	326.52	52.04
Note: Requires weatherproof backbox (IOB).		
28 46 13 31-2494 EA Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	186.48	45.92
28 46 13 31-2495 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW).....	179.75	45.92
28 46 13 31-2496 EA White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW).....	244.83	45.92
28 46 13 31-2497 EA Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	259.12	45.92
28 46 13 31-2498 EA White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	264.48	45.92
28 46 13 31-2499 EA White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW).....	273.41	45.92
28 46 13 31-2500 EA Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR).....	279.96	45.92
28 46 13 31-2501 EA Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR).....	275.79	45.92
Note: Requires IOB		
28 46 13 31-2502 EA White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW).....	273.41	45.92
Note: Requires IOB		
28 46 13 31-2503 Electric Alarm Bells <small>(28 46 13 31-2419)</small>		
28 46 13 31-2504 EA 6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	197.70	45.92
28 46 13 31-2505 EA 6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	190.52	45.92
28 46 13 31-2506 EA 10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	238.52	45.92
28 46 13 31-2507 EA 10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R).....	1,894.87	52.04
28 46 13 31-2508 EA 10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R).....	3,064.81	52.04
28 46 13 31-2509 EA 10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R).....	3,299.16	52.04
28 46 13 31-2510 EA 6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....	157.10	45.92
28 46 13 31-2511 EA 10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	215.66	45.92
28 46 13 31-2512 EA 6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R).....	159.79	45.92
28 46 13 31-2513 EA 10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R).....	213.58	45.92
28 46 13 31-2514 Horns <small>(28 46 13 31-2419)</small>		
28 46 13 31-2515 EA Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R).....	156.54	45.92
28 46 13 31-2516 EA Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	131.84	45.92
28 46 13 31-2517 EA White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	131.84	45.92
28 46 13 31-2518 EA Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC).....	132.83	45.92
28 46 13 31-2519 EA White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	132.83	45.92
28 46 13 31-2520 EA Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	116.23	45.92
28 46 13 31-2521 EA White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	116.23	45.92
28 46 13 31-2522 EA Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	132.83	45.92
28 46 13 31-2523 EA Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R).....	159.70	45.92
28 46 13 31-2524 Speakers <small>(28 46 13 31-2419)</small>		
28 46 13 31-2525 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	135.70	45.92
28 46 13 31-2526 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	135.70	45.92
28 46 13 31-2527 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	135.70	45.92
28 46 13 31-2528 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	133.73	45.92
28 46 13 31-2529 EA Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	135.70	45.92
28 46 13 31-2530 EA White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	135.70	45.92
28 46 13 31-2531 EA Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	135.70	45.92
28 46 13 31-2532 EA White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	135.70	45.92
28 46 13 31-2533 EA Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	157.32	45.92
28 46 13 31-2534 EA White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	157.32	45.92
28 46 13 31-2535 EA White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W).....	159.12	45.92
28 46 13 31-2536 EA Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	215.07	45.92
28 46 13 31-2537 EA Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	194.23	45.92
28 46 13 31-2538 EA Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S).....	298.18	45.92
28 46 13 31-2539 EA Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR).....	298.18	45.92
28 46 13 31-2540 EA Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	215.07	45.92
28 46 13 31-2541 EA White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W).....	217.45	45.92
28 46 13 31-2542 EA Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R).....	194.23	45.92
28 46 13 31-2543 EA White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW).....	288.89	45.92
28 46 13 31-2544 EA White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25).....	208.52	45.92
28 46 13 31-2545 Sync Modules <small>(28 46 13 31-2419)</small>		
28 46 13 31-2546 EA 12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	187.41	30.61



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2547			Boxes, Plates And Rings (28 46 13 31-2419)		
28 46 13 31-2548	EA		4" Square, Red, Surface Backbox (Wheelock BB-R).....	40.43	15.31
28 46 13 31-2549	EA		Standard 4" Square Box (Wheelock BB-STD).....	39.90	15.31
28 46 13 31-2550	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC).....	253.52	30.61
28 46 13 31-2551	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	253.52	30.61
28 46 13 31-2552	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	195.44	24.49
28 46 13 31-2553	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	21.03	6.12
28 46 13 31-2554	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	21.03	6.12
28 46 13 31-2555	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	51.07	15.31
28 46 13 31-2556	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	48.19	15.31
28 46 13 31-2557	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	51.07	15.31
28 46 13 31-2558	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	51.07	15.31
28 46 13 31-2559	EA		4" Square Backbox (Wheelock DBB-R).....	42.27	15.31
28 46 13 31-2560	EA		Red, Surface Backbox (Wheelock IOB-R).....	49.18	15.31
28 46 13 31-2561	EA		White, Surface, Backbox (Wheelock IOB-W).....	49.18	15.31
28 46 13 31-2562	EA		White, Indoor, Surface Extender (Wheelock ISP2-W).....	20.09	6.12
28 46 13 31-2563	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	25.99	6.12
28 46 13 31-2564	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	25.99	6.12
28 46 13 31-2565	EA		Red Retrofit Plate (Wheelock RP-R).....	23.90	6.12
28 46 13 31-2566	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	42.36	6.12
28 46 13 31-2567	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	51.51	15.31
28 46 13 31-2568	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	52.14	15.31
28 46 13 31-2569	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	55.46	15.31
28 46 13 31-2570	EA		Red, Semi-Flush Plate (Wheelock SFB-R).....	27.20	6.12
28 46 13 31-2571	EA		White, Semi-Flush Plate (Wheelock SFB-W).....	27.20	6.12
28 46 13 31-2572	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	45.28	15.31
28 46 13 31-2573	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	45.28	15.31
28 46 13 31-2574	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	29.82	6.12
28 46 13 31-2575	EA		Red, Weather Resistant Backbox (Wheelock WBB-R).....	50.71	15.31
28 46 13 31-2576	EA		Silver, Weather Resistant Backbox (Wheelock WBB-S).....	50.71	15.31
28 46 13 31-2577	EA		White, Weather Resistant Backbox (Wheelock WBB-W).....	50.71	15.31
28 46 13 31-2578	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	36.64	6.12
28 46 13 31-2579	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	36.64	6.12
28 46 13 31-2580	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	36.64	6.12
28 46 13 31-2581	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	36.64	6.12
28 46 13 31-2582	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	25.28	6.12
28 46 13 31-2583	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	63.00	15.31
28 46 13 31-2584	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	57.76	15.31
28 46 13 31-2585	EA		Red Plate For RSS (Wheelock RSSCP-R).....	20.09	6.12
28 46 13 31-2586	EA		White Plate For RSS (Wheelock RSSCP-W).....	20.09	6.12
28 46 13 31-2587	EA		Red Fire Plate For RSS (Wheelock RSSCPW-FR).....	21.03	6.12
28 46 13 31-2588	EA		White Fire Plate For RSS (Wheelock RSSCPW-FW).....	21.03	6.12
28 46 13 31-2589	EA		Red, Indoor, Surface Extender (Wheelock ISP2-R).....	20.49	6.12
28 46 13 31-2590	EA		Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR).....	155.12	6.12
28 46 13 31-2591	EA		White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW).....	139.05	6.12
28 46 13 31-2592	EA		White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW).....	136.67	6.12
28 46 13 31-2593	EA		White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW).....	139.05	6.12
28 46 13 31-2594	EA		Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R).....	23.37	6.12
28 46 13 31-2595	EA		White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W).....	22.66	6.12
28 46 13 31-2596	EA		Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R).....	23.91	6.12
28 46 13 31-2597	EA		White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W).....	23.91	6.12
28 46 13 31-2598	EA		White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW).....	22.66	6.12
28 46 13 31-2599	EA		Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR).....	23.79	6.12
28 46 13 31-2600	EA		White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW).....	23.79	6.12
28 46 13 31-2601	EA		Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R).....	22.66	6.12
28 46 13 31-2602	EA		White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W).....	22.66	6.12
28 46 13 31-2603	EA		Red, Surface Mounted, Extender Ring (Wheelock SER-R).....	31.71	6.12
28 46 13 31-2604	EA		White, Surface Mounted, Extender Ring (Wheelock SER-W).....	32.07	6.12
28 46 13 31-2605	EA		Red, Semi-Flush, Plate (Wheelock SFP-R).....	25.28	6.12
28 46 13 31-2606	EA		Silver, Semi-Flush, Plate (Wheelock SFP-S).....	23.91	6.12
28 46 13 31-2607	EA		White, Semi-Flush, Plate (Wheelock SFP-W).....	25.28	6.12
28 46 13 31-2608	EA		Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R).....	63.00	15.31
28 46 13 31-2609	EA		Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R).....	57.76	15.31
28 46 13 31-2610	EA		White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W).....	57.76	15.31
28 46 13 31-2611			Manual Pull Station (28 46 13 31-2419)		
28 46 13 31-2612	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	136.31	30.61
28 46 13 31-2613	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	136.31	30.61
28 46 13 31-2614	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	1,195.08	30.61
28 46 13 31-2615			Potter Fire Alarm (28 46 13 31)		
28 46 13 31-2616			Electric Alarm Bells (28 46 13 31-2615)		
28 46 13 31-2617	EA		6" Alarm Bell, 12 Volt DC (Potter MBA-6-12).....	130.74	45.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2618 EA 8" Alarm Bell, 12 Volt DC (Potter MBA-8-12).....	143.03	45.92
28 46 13 31-2619 EA 10" Alarm Bell, 12 Volt DC (Potter MBA-10-12).....	149.17	45.92
28 46 13 31-2620 EA 6" Alarm Bell, 24 Volt DC (Potter MBA-6-24).....	130.74	45.92
28 46 13 31-2621 EA 8" Alarm Bell, 24 Volt DC (Potter MBA-8-24).....	143.03	45.92
28 46 13 31-2622 EA 10" Alarm Bell, 24 Volt DC (Potter MBA-10-24).....	149.17	45.92
28 46 13 31-2623 EA 6" Alarm Bell, 24 Volt AC (Potter PBA246).....	141.17	45.92
28 46 13 31-2624 EA 8" Alarm Bell, 24 Volt AC (Potter PBA248).....	147.07	45.92
28 46 13 31-2625 EA 10" Alarm Bell, 24 Volt AC (Potter PBA2410).....	181.81	45.92
28 46 13 31-2626 EA 6" Alarm Bell, 120 Volt AC (Potter PBA1206).....	132.51	45.92
28 46 13 31-2627 EA 8" Alarm Bell, 120 Volt AC (Potter PBA1208).....	147.07	45.92
28 46 13 31-2628 EA 10" Alarm Bell, 120 Volt AC (Potter PBA12010).....	159.24	45.92
28 46 13 31-2629 Manual Pull Station (28 46 13 31-2615)		
28 46 13 31-2630 EA SPST, Single Action, Manual Pull Station (Potter P32-1T).....	96.05	30.61
28 46 13 31-2631 EA DPST, Single Action, Manual Pull Station (Potter RMS-2T).....	101.63	30.61
28 46 13 31-2632 EA DPST, Single Action, Manual Pull Station (Potter RMS-6T).....	164.44	30.61
28 46 13 31-2633 EA DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL).....	105.10	30.61
28 46 13 31-2634 EA SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP).....	99.21	30.61
28 46 13 31-2635 EA SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP).....	184.08	30.61
28 46 13 31-2636 EA SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP).....	230.92	30.61
28 46 13 31-2637 Fire Alarm Terminal Cabinets (28 46 13 31)		
28 46 13 31-2638 EA 18 Point Lockable Fire Alarm Terminal Cabinet.....	253.88	61.37
28 46 13 31-2639 EA 32 Point Lockable Fire Alarm Terminal Cabinet.....	332.59	61.37
28 46 13 31-2640 EA 64 Point Lockable Fire Alarm Terminal Cabinet.....	489.99	61.37
28 46 13 31-2641 EA 128 Point Lockable Fire Alarm Terminal Cabinet.....	647.34	61.37
28 46 13 31-2642 Test And Certification Of Fire Alarm System To Tie In To Existing Systems (28 46 13 31)		
28 46 13 31-2643 HR Test And Certification Of Fire Alarm System.....	303.86	
28 46 13 31-2644 Programming Of Existing Fire Alarm System (28 46 13 31)		
28 46 13 31-2645 HR Programming Of Existing Fire Alarm System.....	364.63	
28 46 13 31-2646 Removal And Reinstallation Of Smoke Detector (28 46 13 31)		
Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2647 EA Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....	171.42	
28 46 13 31-2648 EA Removal And Reinstallation Of Wall Mounted Smoke Detector.....	137.75	
28 46 13 31-2649 Kidde Fire Safety Equipment (28 46 13 31)		
28 46 13 31-2650 Smoke Detectors (28 46 13 31-2649)		
28 46 13 31-2651 EA Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With 10 Year Sealed Battery Back-up (Kidde P4010ACS-CO).....	160.55	45.92
28 46 13 31-2652 EA Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO).....	141.17	45.92
28 46 13 31-2653 EA Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO).....	131.39	45.92
28 46 31 Fire-Alarm Initiating Devices (28 46)		
28 46 31 11 Heat-Sensing Fire Detectors (28 46 31)		
28 46 31 11-0001 Protectowire Fire Alarm (28 46 31 11)		
28 46 31 11-0002 Linear Heat Detector Cable (28 46 31 11-0001)		
28 46 31 11-0003 LF Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	5.77	
28 46 31 11-0004 LF Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	6.25	
28 46 31 11-0005 LF High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	6.25	
28 46 31 11-0006 LF High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	6.74	
28 46 31 11-0007 LF Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	7.31	
28 46 31 11-0008 LF Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....	7.80	
28 46 31 11-0009 EA Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	71.98	
28 46 31 11-0010 EA Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	28.59	
28 46 31 11-0011 EA Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	9.52	
28 46 31 11-0012 EA Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	9.52	
28 46 31 11-0013 EA Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO).....	10.55	
28 46 31 11-0014 EA Beam Clamp For Linear Heat Detector (Protectowire BC-2).....	16.45	
28 46 31 11-0015 EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....	17.09	
28 46 31 11-0016 EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A).....	1.65	
28 46 31 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	2.24	
28 46 31 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	9.88	

28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 41 Fire-Alarm Notification Appliances (28 46)

28 46 41 11 Audible Fire-Alarm Notification Appliances (28 46 41)

See CSI section 28 46 13 31-0000 for fire alarm speakers.

28 46 41 31 Combination Fire-Alarm Notification Appliances (28 46 41)

See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.

28 47 Mass Notification (28 40)

28 47 15 Mass Notification Control Panels (28 47)

28 47 15 00-0001 Central Station Controls (28 47 15)

28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	955.54	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,553.81	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,652.17	61.22
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,420.14	30.61
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,421.72	122.44
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	789.21	30.61
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	846.68	30.61

28 47 17 Notification Devices and Methods (28 47)

28 47 17 17 Notification Appliances and Methods Public Methods (28 47 17)

28 47 17 17-0001 Voice Capable Omni-Directional Speakers (28 47 17 17)

28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A)	13,383.31	791.86
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A)	16,347.21	826.28
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A)	19,274.41	860.71
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A)	22,201.62	895.14
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A)	25,202.23	929.57
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A)	30,221.54	964.00
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A)	33,185.45	998.43
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A)	36,748.84	1,032.86
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A)	39,676.05	1,067.28
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A)	42,639.95	1,101.71
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003)	29,120.43	964.00
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004)	31,019.92	998.43
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.				
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	560.12	30.61
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,165.57	30.61
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,165.57	30.61
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	1,957.58	30.61
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,896.41	30.61
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	517.26	30.61
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	663.71	30.61
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	689.91	30.61
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,084.91	30.61
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,373.56	30.61
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,373.56	30.61
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,373.56	30.61
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	846.68	30.61
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	586.99	30.61
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	424.38	30.61
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	320.79	30.61
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG)	227.42	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	45.54	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCOMIC)	171.36	30.61
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,109.75	45.92
28 47 17 17-0034	EA	WPS And OA Series, Roof Top Mounted (Whelen RTM)	10,480.57	757.43
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280)	4,368.05	183.66
Note: Includes mounting bracket and regulator.				
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,220.65	45.92
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,220.65	45.92
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,220.65	45.92
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,220.65	45.92
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,220.65	45.92
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	839.59	45.92
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	839.59	45.92
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	839.59	45.92
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	655.03	45.92
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	655.03	45.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0046 EA Clear, 24 Volt DC, Strobe (Whelen ISB24C)	655.03	45.92
28 47 17 17-0047 EA Green, 24 Volt DC, Strobe (Whelen ISB24G)	655.03	45.92
28 47 17 17-0048 EA Red, 24 Volt DC, Strobe (Whelen ISB24R)	655.03	45.92
28 47 17 17-0049 EA Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	860.14	30.61
28 47 17 17-0050 EA Strobe Controller (Whelen STCTRL)	695.86	30.61
28 47 17 17-0051 EA LED Controller (Whelen LEDCTRL)	695.86	30.61
28 47 17 17-0052 EA Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	415.38	45.92
28 47 17 17-0053 EA Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	568.76	
28 47 17 17-0054 EA 400 Watt Speaker Driver (Whelen SPKDRV)	967.34	30.61
28 47 17 17-0055 EA Cabinet Window LED Status Indicator (Whelen STATUS)	482.73	30.61
28 47 17 17-0056 EA Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	171.36	30.61
28 47 17 17-0057 EA Notifier/Whelen Interface Board (Whelen NAUXCS)	956.63	30.61
28 47 17 17-0058 Tone Only, Omni-Alert Sirens <small>(28 47 17 17)</small>		
28 47 17 17-0059 EA One Cell, Tone Only, Omni-Alert Siren (Whelen OA1)	10,810.91	757.43
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0060 EA Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2)	13,505.66	791.86
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0061 EA Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3)	16,175.93	826.28
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0062 EA Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4)	18,907.37	860.71
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0063 EA One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXXIN)	308.36	30.61
28 47 17 17-0064 EA One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	560.12	30.61
28 47 17 17-0065 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,165.57	30.61
28 47 17 17-0066 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,165.57	30.61
28 47 17 17-0067 EA UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	1,957.58	30.61
28 47 17 17-0068 EA VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,896.41	30.61
28 47 17 17-0069 EA One-Way Control Two-Tone Sequential Option (Whelen OTT)	450.58	30.61
28 47 17 17-0070 EA Two Way Controls, Contact Closure Activation Board (Whelen OAUXXCS)	680.29	30.61
28 47 17 17-0071 EA Two Way Landline Activation (Whelen OC2030LL)	707.21	30.61
28 47 17 17-0072 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,373.56	30.61
28 47 17 17-0073 EA UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,373.56	30.61
28 47 17 17-0074 EA UHF, 10 Digit DTMF (Whelen OC230WU)	2,373.56	30.61
28 47 17 17-0075 EA VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,373.56	30.61
28 47 17 17-0076 EA Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	846.68	30.61
28 47 17 17-0077 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	424.38	30.61
28 47 17 17-0078 EA Cabinet Window LED Status Indicator (Whelen VSTATUS)	482.73	30.61
28 47 17 17-0079 EA Intrusion Alarm (Whelen OINTRU)	256.49	30.61
28 47 17 17-0080 EA 80 Watt Solar Power Option (Whelen OSBC280)	4,368.05	183.66
28 47 17 17-0081 EA One Pair Of Whelen Approved Batteries For Omialert (Whelen BSETO)	982.47	45.92
28 47 17 17-0082 Tone-Only Rotating Directional Speakers <small>(28 47 17 17)</small>		
28 47 17 17-0083 EA 3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3)	22,446.31	895.14
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0084 EA 4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4)	23,807.48	929.57
Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0085 EA Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	301.74	30.61
28 47 17 17-0086 EA Landline, 10 Digit DTMF (Whelen VD2030LL)	573.85	30.61
28 47 17 17-0087 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,165.57	30.61
28 47 17 17-0088 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,165.57	30.61
28 47 17 17-0089 EA UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	1,957.58	30.61
28 47 17 17-0090 EA VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,896.41	30.61
28 47 17 17-0091 EA Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	450.58	30.61
28 47 17 17-0092 EA Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	666.83	30.61
28 47 17 17-0093 EA Landline, 10 Digit DTMF (Whelen VC2030LL)	707.21	30.61
28 47 17 17-0094 EA VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,373.56	30.61
28 47 17 17-0095 EA UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,373.56	30.61
28 47 17 17-0096 EA UHF, 10 Digit DTMF (Whelen VC230WU)	2,373.56	30.61
28 47 17 17-0097 EA VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,373.56	30.61
28 47 17 17-0098 EA Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	846.68	30.61
28 47 17 17-0099 EA Cabinet Window LED Status Indicator (Whelen VSTATUS)	494.32	30.61
28 47 17 17-0100 EA Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	424.38	30.61
28 47 17 17-0101 EA Vortex Intrusion Alarm (Whelen VINTRU)	256.49	30.61
28 47 17 17-0102 EA Speaker Pole Top Bracket (Whelen VPTB)	680.29	30.61
28 47 17 17-0103 EA 80 Watt Solar Power Option (Whelen VSBC280)	4,368.05	183.66
28 47 17 17-0104 EA One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	982.47	45.92
28 47 17 17-0105 EA Program Charge For Custom VROM Message (Whelen VPROG)	3,605.99	
28 47 17 17-0106 Uni-Directional Rotating Speakers <small>(28 47 17 17)</small>		
28 47 17 17-0107 EA 118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	14,313.14	791.86
28 47 17 17-0108 EA One Way Contact Closure Activation Control Board (Whelen HAUXIN)	301.74	30.61
28 47 17 17-0109 EA Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	573.85	30.61
28 47 17 17-0110 EA VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,165.57	30.61
28 47 17 17-0111 EA UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,165.57	30.61
28 47 17 17-0112 EA UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	1,957.58	30.61
28 47 17 17-0113 EA VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,896.41	30.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0114	EA		Two-Tone Sequential Option For Hornet (Whelen HORTT)	461.29	30.61
28 47 17 17-0115	EA		Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS).....	650.62	30.61
28 47 17 17-0116	EA		Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	689.91	30.61
28 47 17 17-0117	EA		VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,373.56	30.61
28 47 17 17-0118	EA		UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,373.56	30.61
28 47 17 17-0119	EA		UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,373.56	30.61
28 47 17 17-0120	EA		VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,373.56	30.61
28 47 17 17-0121	EA		Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD).....	846.68	30.61
28 47 17 17-0122	EA		LED Status Indicator (Whelen HSTATUS).....	482.73	30.61
28 47 17 17-0123	EA		Option For Paging Interface (Whelen HPGINT).....	424.38	30.61
28 47 17 17-0124	EA		Intrusion Alarm (Whelen HINTRU).....	256.49	30.61
28 47 17 17-0125	EA		Solar Power Option (Whelen HSBC280)	4,368.05	183.66
28 47 17 17-0126	EA		Pole Top Bracket For Speaker (Whelen HPTB).....	686.34	30.61
28 47 17 17-0127	EA		One Pair Of Whelen Approved Batteries (Whelen BSETF)	982.47	45.92
28 47 17 17-0128			All Hazard In-Plant Personnel Warning System (28 47 17 17)		
28 47 17 17-0129	EA		400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	7,146.59	979.56
28 47 17 17-0130	EA		800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	8,676.10	1,102.01
28 47 17 17-0131	EA		15 Watt, Wide Angle Speaker (Whelen WS15T)	428.80	45.92
28 47 17 17-0132	EA		Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	409.75	45.92
28 47 17 17-0133	EA		With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	790.77	45.92
28 47 17 17-0134	EA		30 Watt, Wide Angle Speaker (Whelen WS30T)	537.15	45.92
28 47 17 17-0135	EA		60 Watt, Wide Angle Speaker (Whelen WS60T)	1,094.40	45.92
28 47 17 17-0136	EA		Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,731.28	52.04
28 47 17 17-0137	EA		100 Watt, Wide Angle Speaker (Whelen WS100).....	694.32	45.92
28 47 17 17-0138	EA		Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH).....	1,087.60	52.04
28 47 17 17-0139	EA		Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU).....	256.49	30.61
28 47 17 17-0140			Firehouse Siren (28 47 17 17)		
28 47 17 17-0141	EA		Auxiliary Board Contact Closure (Whelen FAUXIN)	301.74	30.61
28 47 17 17-0142	EA		Two-Tone Sequential Option (Whelen FTT)	450.58	30.61
28 47 17 17-0143	EA		Auxiliary/Status Control Board (Whelen FAUXCS)	666.83	30.61
28 47 17 17-0144	EA		Landline, 10 Digit DTMF (Whelen FC2030LL)	689.91	30.61
28 47 17 17-0145	EA		VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV).....	2,373.56	30.61
28 47 17 17-0146	EA		UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU).....	2,373.56	30.61
28 47 17 17-0147	EA		UHF, 10 Digit DTMF (Whelen FC230WU).....	2,373.56	30.61
28 47 17 17-0148	EA		VHF High Band, 10 Digit DTMF (Whelen FC230WV).....	2,373.56	30.61
28 47 17 17-0149	EA		Paging Interface Control Option (Whelen FPGINT).....	424.38	30.61
28 47 17 17-0150	EA		Intrusion Alarm Control Option (Whelen FINTRU).....	256.49	30.61
28 47 17 17-0151	EA		Solar Power Option (Whelen FSBC280).....	4,368.05	183.66
			Note: Two 80 watt panels, with brackets and solar regulator.		
28 47 17 17-0152			Alert Monitor And Message Display (28 47 17 17)		
28 47 17 17-0153	EA		Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H).....	1,982.05	30.61
28 47 17 17-0154	EA		Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	1,982.05	30.61
28 47 17 17-0155	EA		Alert Monitor UHF Narrow-Band (Whelen V2000NU)	1,982.05	30.61
28 47 17 17-0156	EA		Alert Monitor With Radio Receiver UHF (Whelen V2000U).....	1,982.05	30.61
28 47 17 17-0157	EA		Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	266.86	45.92
28 47 17 17-0158	EA		Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	74.32	30.61
28 47 17 17-0159	EA		Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	169.08	
28 47 17 17-0160	EA		Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	265.53	
28 47 17 17-0161			Portable Test Set (28 47 17 17)		
28 47 17 17-0162	EA		VHF High Band, Portable Test Set (Whelen PT2010H).....	7,989.19	
28 47 17 17-0163	EA		VHF Low Band, Portable Test Set (Whelen PT2010L).....	7,989.19	
28 47 17 17-0164	EA		UHF, Portable Test Set (Whelen PT2010U).....	7,989.19	
28 47 17 17-0165			Replacement Warning Lights (28 47 17 17)		
28 47 17 17-0166	EA		Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA).....	421.82	48.98
28 47 17 17-0167	EA		Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB).....	421.82	48.98
28 47 17 17-0168	EA		Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	421.82	48.98
28 47 17 17-0169	EA		Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG).....	421.82	48.98
28 47 17 17-0170	EA		Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR).....	421.82	48.98
28 47 17 17-0171	EA		Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA).....	453.97	48.98
28 47 17 17-0172	EA		Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB).....	293.22	48.98
28 47 17 17-0173	EA		Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC).....	449.21	48.98
28 47 17 17-0174	EA		Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG).....	449.21	48.98
28 47 17 17-0175	EA		Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	449.21	48.98
28 47 17 17-0176	EA		Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA).....	421.82	48.98
28 47 17 17-0177	EA		Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB).....	421.82	48.98
28 47 17 17-0178	EA		Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC).....	421.82	48.98
28 47 17 17-0179	EA		Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG).....	421.82	48.98
28 47 17 17-0180	EA		Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR).....	421.82	48.98
28 47 17 17-0181	EA		Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA).....	473.02	48.98
28 47 17 17-0182	EA		Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB).....	473.02	48.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0183 EA Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	305.13	48.98
28 47 17 17-0184 EA Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG).....	305.13	48.98
28 47 17 17-0185 EA Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	305.13	48.98
28 47 17 17-0186 Antenna <small>(28 47 17 17)</small>		
28 47 17 17-0187 EA 50' Antenna Cable (Honeywell Ademco 7626-50HC).....	307.52	
28 47 17 17-0188 EA External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	274.71	
28 47 17 17-0189 EA 80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000).....	15,098.28	
28 47 21 Mass Notification System Interfaces <small>(28 47)</small>		
28 47 21 21 Notification Interfaces to Fire Detection and Alarm <small>(28 47 21)</small>		
28 47 21 21-0001 Emergency Command Center (Honeywell Fire-Lite) <small>(28 47 21 21)</small>		
28 47 21 21-0002 EA Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100(E)).....	2,629.22	306.11
28 47 21 21-0003 EA Circuit Expander Module (Fire-Lite ECC_CE6).....	512.02	24.49
28 47 21 21-0004 EA 25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V).....	449.59	30.61
28 47 21 21-0005 EA 75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V).....	463.61	30.61
28 47 21 21-0006 EA 70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V).....	237.94	30.61
28 47 21 21-0007 EA Local Operator Console (Fire-Lite ECC-LOC).....	1,413.88	61.22
28 47 21 21-0008 EA Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU).....	1,120.85	15.31
28 47 21 21-0009 EA Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA).....	1,074.74	61.22
28 47 21 21-0010 EA Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA).....	1,854.11	61.22
28 47 21 21-0011 EA Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA).....	2,944.49	61.22
28 47 21 21-0012 EA 100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WB).....	1,443.02	30.61
28 47 21 21-0013 EA Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4).....	444.47	30.61
28 47 21 21-0014 EA Addressable Mini-Monitor Module (Fire-Lite MMF-301).....	103.09	30.61
28 47 21 21-0015 EA Thumb Latch (Fire-Lite THUMBLTCH).....	57.40	12.24
28 47 21 21-0016 EA 25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F).....	806.72	12.24
28 47 21 21-0017 EA Replacement Microphone (Fire-Lite ECC-MICROPHONE).....	166.07	12.24
28 47 21 21-0018 EA 12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270).....	307.95	30.61
28 47 21 21-0019 EA 12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120).....	396.12	30.61
28 47 21 21-0020 EA 12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180).....	293.64	30.61
28 49 Electronic Personal Protection Systems <small>(28 49)</small>		
28 49 11 Electronic Personal Safety Detection Systems <small>(28 49)</small>		
28 49 11 00-0001 Personnel Alarm Locating System <small>(28 49 11)</small>		
Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002 EA Personnel Alarm Locating System.....	23,798.77	983.53
Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003 EA Personnel Alarm Transmitters With Lithium Batteries.....	189.21	
28 49 11 00-0004 EA Lapel Reader.....	72.77	
28 49 11 00-0005 EA IR Locator.....	262.83	36.82
28 49 11 00-0006 EA Repeaters And Receivers.....	638.46	122.74
28 49 17 Electronic Personal Safety Emergency Aid Devices <small>(28 49)</small>		
28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) <small>(28 49 17)</small>		
28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0003 EA Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	339.88	73.65
Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004 EA Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	403.41	85.92
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005 EA Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	406.46	85.92
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0007 EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	250.80	46.03
28 49 17 00-0008 EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	244.92	36.82
28 49 17 00-0009 EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	112.07	36.82
28 49 17 00-0010 EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	197.75	36.82
28 49 17 00-0011 EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	228.38	36.82
28 49 17 00-0012 EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	260.17	36.82
28 49 17 00-0013 EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	362.36	36.82
28 49 17 00-0014 EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	406.33	36.82

28 Electronic Safety and Security

28 40 Life Safety

28 49 Electronic Personal Protection Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0015			Call Activation Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	150.51	36.82
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	223.53	36.82
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	294.03	36.82
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	317.37	12.27
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	230.05	36.82
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	272.22	36.82
28 49 17 00-0022	EA		Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	464.35	36.82
28 49 17 00-0023	EA		Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	218.46	36.82
28 49 17 00-0024	EA		Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	268.10	12.27
28 49 17 00-0025	EA		Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	415.25	12.27
28 49 17 00-0026	EA		Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685).....	424.30	12.27
28 49 17 00-0027	EA		Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686).....	559.43	12.27

END OF SECTION 28



Earthwork	31	13
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001	Rip Settling Basins ^(31 01 20) Note: Rip through light soil and sand in settling basin. 8' on center (machine width).	
31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	716.27
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	1,098.06
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	950.67

31 05 Common Work Results for Earthwork ⁽³¹⁾

31 05 13 Soils for Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0001	Fill Material (Loose, Purchased Material) ^(31 05 13) Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.	
31 05 13 00-0002	CY Bank Run/Fill Sand	36.25
	For Up To 8, Add	7.25
	For >8 To 16, Add	3.63
	For >48 To 64, Deduct	-2.68
	For >64 To 96, Deduct	-4.49
	For >96 To 168, Deduct	-6.30
	For >168 To 240, Deduct	-7.64
	For >240, Deduct	-8.98
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand	42.80
	For Up To 8, Add	8.56
	For >8 To 16, Add	4.28
	For >48 To 64, Deduct	-3.00
	For >64 To 96, Deduct	-5.14
	For >96 To 168, Deduct	-7.28
	For >168 To 240, Deduct	-8.78
	For >240, Deduct	-10.29
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	58.52
	For Up To 8, Add	11.70
	For >8 To 16, Add	5.85
	For >48 To 64, Deduct	-3.79
	For >64 To 96, Deduct	-6.71
	For >96 To 168, Deduct	-9.64
	For >168 To 240, Deduct	-11.53
	For >240, Deduct	-13.43
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand	52.63
	For Up To 8, Add	10.53
	For >8 To 16, Add	5.26
	For >48 To 64, Deduct	-3.49
	For >64 To 96, Deduct	-6.13
	For >96 To 168, Deduct	-8.76
	For >168 To 240, Deduct	-10.50
	For >240, Deduct	-12.25
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand	93.25
	For Up To 8, Add	18.65
	For >8 To 16, Add	9.33
	For >48 To 64, Deduct	-5.53
	For >64 To 96, Deduct	-10.19
	For >96 To 168, Deduct	-14.85
	For >168 To 240, Deduct	-17.61
	For >240, Deduct	-20.38
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt	38.96
	For Up To 8, Add	7.79
	For >8 To 16, Add	3.90
	For >48 To 64, Deduct	-2.81
	For >64 To 96, Deduct	-4.76
	For >96 To 168, Deduct	-6.71
	For >168 To 240, Deduct	-8.11
	For >240, Deduct	-9.52
31 05 13 00-0008	CY Lime Rock Screening	42.45
	For Up To 8, Add	8.49
	For >8 To 16, Add	4.25
	For >48 To 64, Deduct	-2.99
	For >64 To 96, Deduct	-5.11
	For >96 To 168, Deduct	-7.23
	For >168 To 240, Deduct	-8.72
	For >240, Deduct	-10.22

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0009 CY Crushed Lime Rock Maximum 3-1/2"	42.45	
For Up To 8, Add	8.49	
For >8 To 16, Add	4.25	
For >48 To 64, Deduct	-2.99	
For >64 To 96, Deduct	-5.11	
For >96 To 168, Deduct	-7.23	
For >168 To 240, Deduct	-8.72	
For >240, Deduct	-10.22	
31 05 13 00-0010 CY Sand/Clay	39.97	
For Up To 8, Add	7.99	
For >8 To 16, Add	4.00	
For >48 To 64, Deduct	-2.86	
For >64 To 96, Deduct	-4.86	
For >96 To 168, Deduct	-6.86	
For >168 To 240, Deduct	-8.29	
For >240, Deduct	-9.72	
31 05 13 00-0011 CY Recycled Concrete Aggregate	38.07	
For Up To 8, Add	7.61	
For >8 To 16, Add	3.81	
For >48 To 64, Deduct	-2.77	
For >64 To 96, Deduct	-4.67	
For >96 To 168, Deduct	-6.57	
For >168 To 240, Deduct	-7.96	
For >240, Deduct	-9.34	
31 05 13 00-0012 CY Pitrun Clay	54.47	
For Up To 8, Add	10.89	
For >8 To 16, Add	5.45	
For >48 To 64, Deduct	-3.59	
For >64 To 96, Deduct	-6.31	
For >96 To 168, Deduct	-9.03	
For >168 To 240, Deduct	-10.83	
For >240, Deduct	-12.62	
31 05 13 00-0013 CY Light Clay / Loam	45.12	
For Up To 8, Add	9.02	
For >8 To 16, Add	4.51	
For >48 To 64, Deduct	-3.12	
For >64 To 96, Deduct	-5.37	
For >96 To 168, Deduct	-7.63	
For >168 To 240, Deduct	-9.19	
For >240, Deduct	-10.75	
31 05 13 00-0014 CY Heavy Clay	54.47	
For Up To 8, Add	10.89	
For >8 To 16, Add	5.45	
For >48 To 64, Deduct	-3.59	
For >64 To 96, Deduct	-6.31	
For >96 To 168, Deduct	-9.03	
For >168 To 240, Deduct	-10.83	
For >240, Deduct	-12.62	

31 05 16 Aggregates for Earthwork (31 05)

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0001	Aggregate (Loose, Purchased Material) <small>(31 05 16)</small>	
	Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.	
31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	56.78
	For Up To 8, Add	11.36
	For >8 To 16, Add	5.68
	For >48 To 64, Deduct	-3.70
	For >64 To 96, Deduct	-6.54
	For >96 To 168, Deduct	-9.38
	For >168 To 240, Deduct	-11.23
	For >240, Deduct	-13.08
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean)	59.10
	For Up To 8, Add	11.82
	For >8 To 16, Add	5.91
	For >48 To 64, Deduct	-3.82
	For >64 To 96, Deduct	-6.77
	For >96 To 168, Deduct	-9.73
	For >168 To 240, Deduct	-11.64
	For >240, Deduct	-13.55
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	56.78
	For Up To 8, Add	11.36
	For >8 To 16, Add	5.68
	For >48 To 64, Deduct	-3.70
	For >64 To 96, Deduct	-6.54
	For >96 To 168, Deduct	-9.38
	For >168 To 240, Deduct	-11.23
	For >240, Deduct	-13.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean).....	60.78	
For Up To 8, Add	12.16	
For >8 To 16, Add	6.08	
For >48 To 64, Deduct	-3.90	
For >64 To 96, Deduct	-6.94	
For >96 To 168, Deduct	-9.98	
For >168 To 240, Deduct	-11.93	
For >240, Deduct	-13.88	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean).....	63.13	
For Up To 8, Add	12.63	
For >8 To 16, Add	6.31	
For >48 To 64, Deduct	-4.02	
For >64 To 96, Deduct	-7.18	
For >96 To 168, Deduct	-10.33	
For >168 To 240, Deduct	-12.34	
For >240, Deduct	-14.35	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1").....	61.14	
For Up To 8, Add	12.23	
For >8 To 16, Add	6.11	
For >48 To 64, Deduct	-3.92	
For >64 To 96, Deduct	-6.98	
For >96 To 168, Deduct	-10.03	
For >168 To 240, Deduct	-11.99	
For >240, Deduct	-13.95	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (3/8" To 1").....	65.25	
For Up To 8, Add	13.05	
For >8 To 16, Add	6.53	
For >48 To 64, Deduct	-4.13	
For >64 To 96, Deduct	-7.39	
For >96 To 168, Deduct	-10.65	
For >168 To 240, Deduct	-12.71	
For >240, Deduct	-14.78	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (3/16" To 3/4").....	58.97	
For Up To 8, Add	11.79	
For >8 To 16, Add	5.90	
For >48 To 64, Deduct	-3.81	
For >64 To 96, Deduct	-6.76	
For >96 To 168, Deduct	-9.71	
For >168 To 240, Deduct	-11.61	
For >240, Deduct	-13.52	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (3/8" To 1/2").....	60.11	
For Up To 8, Add	12.02	
For >8 To 16, Add	6.01	
For >48 To 64, Deduct	-3.87	
For >64 To 96, Deduct	-6.87	
For >96 To 168, Deduct	-9.88	
For >168 To 240, Deduct	-11.81	
For >240, Deduct	-13.75	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (3/32" To 1/2").....	60.61	
For Up To 8, Add	12.12	
For >8 To 16, Add	6.06	
For >48 To 64, Deduct	-3.89	
For >64 To 96, Deduct	-6.92	
For >96 To 168, Deduct	-9.95	
For >168 To 240, Deduct	-11.90	
For >240, Deduct	-13.85	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/32" To 3/8").....	63.13	
For Up To 8, Add	12.63	
For >8 To 16, Add	6.31	
For >48 To 64, Deduct	-4.02	
For >64 To 96, Deduct	-7.18	
For >96 To 168, Deduct	-10.33	
For >168 To 240, Deduct	-12.34	
For >240, Deduct	-14.35	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (1/16" To 3/8").....	63.84	
For Up To 8, Add	12.77	
For >8 To 16, Add	6.38	
For >48 To 64, Deduct	-4.05	
For >64 To 96, Deduct	-7.25	
For >96 To 168, Deduct	-10.44	
For >168 To 240, Deduct	-12.47	
For >240, Deduct	-14.49	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (3/32" To 3/16").....	63.13	
For Up To 8, Add	12.63	
For >8 To 16, Add	6.31	
For >48 To 64, Deduct	-4.02	
For >64 To 96, Deduct	-7.18	
For >96 To 168, Deduct	-10.33	
For >168 To 240, Deduct	-12.34	
For >240, Deduct	-14.35	

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 16 Aggregates for Earthwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015	CY		#10 Stone Aggregate Fill (1/16" To 3/16")	64.59	
			For Up To 8, Add	12.92	
			For >8 To 16, Add	6.46	
			For >48 To 64, Deduct	-4.09	
			For >64 To 96, Deduct	-7.32	
			For >96 To 168, Deduct	-10.55	
			For >168 To 240, Deduct	-12.60	
			For >240, Deduct	-14.64	
31 05 16 00-0016	CY		#610 Modified Stone Aggregate Fill (1/16" To 3/4").....	63.84	
			For Up To 8, Add	12.77	
			For >8 To 16, Add	6.38	
			For >48 To 64, Deduct	-4.05	
			For >64 To 96, Deduct	-7.25	
			For >96 To 168, Deduct	-10.44	
			For >168 To 240, Deduct	-12.47	
			For >240, Deduct	-14.49	
31 05 16 00-0017	CY		Screenings Stone Aggregate Fill (3/16" Max)	53.53	
			For Up To 8, Add	10.71	
			For >8 To 16, Add	5.35	
			For >48 To 64, Deduct	-3.54	
			For >64 To 96, Deduct	-6.22	
			For >96 To 168, Deduct	-8.89	
			For >168 To 240, Deduct	-10.66	
			For >240, Deduct	-12.43	
31 05 16 00-0018	CY		Over 6" To 12" Stone Aggregate Fill, Random Size.....	58.19	
			For Up To 8, Add	11.64	
			For >8 To 16, Add	5.82	
			For >48 To 64, Deduct	-3.77	
			For >64 To 96, Deduct	-6.68	
			For >96 To 168, Deduct	-9.59	
			For >168 To 240, Deduct	-11.48	
			For >240, Deduct	-13.36	
31 05 16 00-0019	CY		Over 6" To 12" Graded Stone Aggregate Fill	58.19	
			For Up To 8, Add	11.64	
			For >8 To 16, Add	5.82	
			For >48 To 64, Deduct	-3.77	
			For >64 To 96, Deduct	-6.68	
			For >96 To 168, Deduct	-9.59	
			For >168 To 240, Deduct	-11.48	
			For >240, Deduct	-13.36	
31 05 16 00-0020	CY		3" To 7" Surge Stone Aggregate Fill, Random Size.....	62.85	
			For Up To 8, Add	12.57	
			For >8 To 16, Add	6.29	
			For >48 To 64, Deduct	-4.01	
			For >64 To 96, Deduct	-7.15	
			For >96 To 168, Deduct	-10.29	
			For >168 To 240, Deduct	-12.29	
			For >240, Deduct	-14.30	
31 05 16 00-0021	CY		3" To 7" Surge Stone Graded Aggregate Fill	66.17	
			For Up To 8, Add	13.23	
			For >8 To 16, Add	6.62	
			For >48 To 64, Deduct	-4.17	
			For >64 To 96, Deduct	-7.48	
			For >96 To 168, Deduct	-10.79	
			For >168 To 240, Deduct	-12.87	
			For >240, Deduct	-14.96	
31 05 16 00-0022	CY		Crusher Run Aggregate Fill (2-1/2" Minus)	37.31	
			For Up To 8, Add	7.46	
			For >8 To 16, Add	3.73	
			For >48 To 64, Deduct	-2.73	
			For >64 To 96, Deduct	-4.59	
			For >96 To 168, Deduct	-6.46	
			For >168 To 240, Deduct	-7.82	
			For >240, Deduct	-9.19	
31 05 16 00-0023	CY		Crusher Run Aggregate Fill (1-1/2" Minus).....	40.97	
			For Up To 8, Add	8.19	
			For >8 To 16, Add	4.10	
			For >48 To 64, Deduct	-2.91	
			For >64 To 96, Deduct	-4.96	
			For >96 To 168, Deduct	-7.01	
			For >168 To 240, Deduct	-8.46	
			For >240, Deduct	-9.92	
31 05 16 00-0024	CY		Crusher Run Aggregate Fill (3/4" Minus)	38.60	
			For Up To 8, Add	7.72	
			For >8 To 16, Add	3.86	
			For >48 To 64, Deduct	-2.79	
			For >64 To 96, Deduct	-4.72	
			For >96 To 168, Deduct	-6.65	
			For >168 To 240, Deduct	-8.05	
			For >240, Deduct	-9.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025 CY Miscellaneous Crushed Base, Processed Concrete, Paving.....	65.04	
<i>For Up To 8, Add</i>	13.01	
<i>For >8 To 16, Add</i>	6.50	
<i>For >16 To 64, Deduct</i>	-4.11	
<i>For >64 To 96, Deduct</i>	-7.37	
<i>For >96 To 168, Deduct</i>	-10.62	
<i>For >168 To 240, Deduct</i>	-12.68	
<i>For >240, Deduct</i>	-14.73	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization⁽³¹⁾

⁰⁵⁾ See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing⁽³¹⁾

31 11 Clearing and Grubbing^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps^(31 11)
 Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	7,645.56
Note: Includes grub and removal of stump	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	2,284.99
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	10,194.06
Note: Includes grub and removal of stump	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	3,808.31
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	14,016.84
Note: Includes grub and removal of stump	
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter.....	5,712.48
31 11 00 00-0008 ACR Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip	20,388.14
Note: Includes grub and removal of stump	
31 11 00 00-0009 ACR Clear And Grub Heavy Stumps Only Up To 24" Diameter.....	7,997.47
31 11 00 00-0010 ACR Clearing By Machine - Light Brush Without Grub	343.71
31 11 00 00-0011 ACR Clearing By Machine - Medium Brush Without Grub	716.20
31 11 00 00-0012 ACR Clearing By Machine - Heavy Brush Without Grub	1,010.11
31 11 00 00-0013 ACR Chipping - Light Brush	2,718.90
31 11 00 00-0014 ACR Chipping - Medium Brush	3,495.90
31 11 00 00-0015 ACR Chipping - Heavy Brush	4,894.72

31 11 00 00-0016 Loading Of Cleared And Grubbed Material^(31 11)

See CSI section 01 74 19 00-0039 for hauling.

31 11 00 00-0017 CY Machine Loading Of Cleared And Grubbed Material	12.02
31 11 00 00-0018 CY Chute Loading Of Cleared And Grubbed Material	14.42
31 11 00 00-0019 CY Hand Loading Of Cleared And Grubbed Material	40.91
31 11 00 00-0020 CY Wheel And Ramp Loading Of Cleared And Grubbed Material.....	32.14

31 13 Selective Tree and Shrub Removal and Trimming^(31 10)

31 13 13 Selective Tree and Shrub Removal^(31 13)

31 13 13 00-0001 Individual Tree Removal^(31 13 13)
 Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	637.12
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	955.69
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,274.26
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,911.38
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	2,548.52
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0007 EA >48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal	3,185.64
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-796.41
31 13 13 00-0008 EA >60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal	3,822.78
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-955.70
31 13 13 00-0009 EA >72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal	5,097.04
Note: Includes cutting up tree, chipping and loading.	
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-1,274.26

31 13 13 00-0010 Stump Removal ^(31 13 13) Note: Measured by diameter of stump.	
31 13 13 00-0011 Stump Removal By Machine ^(31 13 13 00-0010)	
31 13 13 00-0012 EA Up To 6" Diameter Stump Removal.....	114.25
Note: Includes excavation necessary to remove stump and loading.	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree and Shrub Removal and Trimming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0013 EA >6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	218.98	
31 13 13 00-0014 EA >12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	285.63	
31 13 13 00-0015 EA >24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	428.44	
31 13 13 00-0016 EA >36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	504.63	
31 13 13 00-0017 EA >48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	594.10	
31 13 13 00-0018 EA >60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	704.54	
31 13 13 00-0019 EA >72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	828.31	
31 13 13 00-0020 Stump Removal By Hand <small>(31 13 13 00-0010)</small>		
31 13 13 00-0021 EA Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	665.86	
31 13 13 00-0022 EA >6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	832.33	
31 13 13 00-0023 EA >12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,220.75	
31 13 13 00-0024 EA >24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,664.65	
31 13 13 00-0025 EA >36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,219.54	
31 13 13 00-0026 EA >48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,774.42	
31 13 13 00-0027 EA >60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,329.30	
31 13 13 00-0028 EA >72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,884.18	
31 13 13 00-0029 Stump Grinding <small>(31 13 13)</small> Note: Measured by diameter of stump.		
31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0029)</small> Note: Level soil to match existing surface area.		
31 13 13 00-0031 EA Stump Grinding Up To 6" Tree..... <i>For 24" Depth, Add</i>	120.27 24.05	
31 13 13 00-0032 EA Stump Grinding >6" To 12" Tree..... <i>For 24" Depth, Add</i>	150.34 30.07	
31 13 13 00-0033 EA Stump Grinding >12" To 15" Tree..... <i>For 24" Depth, Add</i>	180.41 36.08	
31 13 13 00-0034 EA Stump Grinding >15" To 18" Tree..... <i>For 24" Depth, Add</i>	200.45 40.09	
31 13 13 00-0035 EA Stump Grinding >18" To 21" Tree..... <i>For 24" Depth, Add</i>	215.49 43.10	
31 13 13 00-0036 EA Stump Grinding >21" To 24" Tree..... <i>For 24" Depth, Add</i>	230.52 46.10	
31 13 13 00-0037 EA Stump Grinding >24" To 27" Tree..... <i>For 24" Depth, Add</i>	250.57 50.11	
31 13 13 00-0038 EA Stump Grinding >27" To 30" Tree..... <i>For 24" Depth, Add</i>	272.07 54.41	
31 13 13 00-0039 EA Stump Grinding >30" To 33" Tree..... <i>For 24" Depth, Add</i>	302.30 60.46	
31 13 13 00-0040 EA Stump Grinding >33" To 36" Tree..... <i>For 24" Depth, Add</i>	332.52 66.50	
31 13 13 00-0041 EA Stump Grinding >36" To 42" Tree..... <i>For 24" Depth, Add</i>	362.75 72.55	
31 13 13 00-0042 EA Stump Grinding >42" To 48" Tree..... <i>For 24" Depth, Add</i>	403.06 80.61	
31 13 13 00-0043 EA Stump Grinding >48" To 60" Tree..... <i>For 24" Depth, Add</i>	503.82 100.76	
31 13 13 00-0044 EA Stump Grinding >60" To 72" Tree..... <i>For 24" Depth, Add</i>	629.77 125.95	
31 13 13 00-0045 EA Stump Grinding >72" To 84" Tree..... <i>For 24" Depth, Add</i>	806.11 161.22	
31 13 13 00-0046 Shrub Removal <small>(31 13 13)</small>		
31 13 13 00-0047 EA Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	48.52	
31 13 13 00-0048 EA Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	76.09	
31 13 13 00-0049 EA Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	88.22	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	132.33
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous	24.27
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous	37.49
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous	48.52
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous	52.94
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen	48.52
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen	52.94
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen	76.09
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen	132.33

31 13 13 00-0059 Fallen Tree Removal ^(31 13 13)

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

31 13 13 00-0060	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	509.70
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-127.43
		For >25, Deduct	-63.71
31 13 13 00-0061	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	764.56
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-191.14
		For >25, Deduct	-95.57
31 13 13 00-0062	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,019.41
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-254.85
		For >10, Deduct	-101.94
31 13 13 00-0063	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,529.11
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-382.28
		For >10, Deduct	-152.91
31 13 13 00-0064	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	2,038.81
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-509.70
		For >10, Deduct	-203.88
31 13 13 00-0065	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	2,548.52
		Note: Includes cutting up tree, chipping and loading.	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-637.13
		For >10, Deduct	-254.85

31 13 16 Selective Tree and Shrub Trimming ^(31 13)

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance ^(31 13 16)

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.07
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.10
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.65

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure ^(31 13 16)

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Trim Tree Branch Minimum Charge	748.92
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	18.73
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	21.06
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	25.74
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	23.40
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.33
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	32.18

31 20 Earth Moving ⁽³¹⁾

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this

31	31	Earthwork
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	31 13	Selective Tree and Shrub Removal and Trimming



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category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 22 Grading ^(31 20)

31 22 13 Rough Grading ^(31 22)

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading ^(31 22)

31 22 16 13 Roadway Subgrade Reshaping ^(31 22 16)

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading ^(31 22)

31 22 19 13 Spreading and Grading Topsoil ^(31 22 19)

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs ^(31 22 19 13)

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading ^(31 22 19 13-0001)

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.13
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade.....	1.03
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.07
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.89

31 22 19 13-0007 Machine Operations ^(31 22 19 13-0001)

31 22 19 13-0008 Machine Operations With Grader ^(31 22 19 13-0007)

31 22 19 13-0009	CSY	Semi Grade, 2 Passes With Grader.....	438.53
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	609.08

31 23 Excavation and Fill ^(31 20)

31 23 16 Excavation ^(31 23)

31 23 16 13 Trenching ^(31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine ^(31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	11.67
		<i>For Excavation In Light Material (Class A), Deduct</i>	-1.46
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	4.67
		<i>For Up To 20, Add</i>	11.67
		<i>For >20 To 50, Add</i>	8.75
		<i>For >50 To 250, Add</i>	4.67
		<i>For >250 To 500, Add</i>	1.75
		<i>For >1,000, Deduct</i>	-1.75
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.60
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.95
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	3.04
		<i>For Up To 20, Add</i>	7.60
		<i>For >20 To 50, Add</i>	5.70
		<i>For >50 To 250, Add</i>	3.04
		<i>For >250 To 500, Add</i>	1.14
		<i>For >1,000, Deduct</i>	-1.14
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	19.32
		Note: Includes compacted aggregate	
		<i>For Up To 20, Add</i>	19.32
		<i>For >20 To 50, Add</i>	14.49
		<i>For >50 To 250, Add</i>	7.73
		<i>For >250 To 500, Add</i>	2.90
		<i>For >1,000, Deduct</i>	-2.90
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	13.49
		Note: Includes compacted aggregate	
		<i>For Up To 20, Add</i>	13.49
		<i>For >20 To 50, Add</i>	10.12
		<i>For >50 To 250, Add</i>	5.40
		<i>For >250 To 500, Add</i>	2.02
		<i>For >1,000, Deduct</i>	-2.02

31 23 16 13-0006 Excavation For Trenching By Hand ^(31 23 16 13)

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	134.98
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Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	231.54
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Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches ^(31 23 16 13)

Note: With imported or stockpiled materials.



Earthwork	31	13
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0010 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	4.24	
For Up To 20, Add	4.24	
For >20 To 50, Add	3.18	
For >50 To 250, Add	1.70	
For >250 To 500, Add	0.64	
For >1,000, Deduct	-0.64	
31 23 16 13-0011 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	37.50	
31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches <small>(31 23 16 13)</small>		
Note: Includes restoration of final grade.		
31 23 16 13-0013 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	7.83	
For Up To 20, Add	7.83	
For >20 To 50, Add	5.87	
For >50 To 250, Add	3.13	
For >250 To 500, Add	1.17	
For >1,000, Deduct	-1.17	
31 23 16 13-0014 CY Compaction of Fill or Subbase for Trenches by Hand	42.30	
31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches <small>(31 23 16 13)</small>		
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.		
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching	7.38	
For Up To 20, Add	7.38	
For >20 To 50, Add	5.54	
For >50 To 250, Add	2.95	
For >250 To 500, Add	1.11	
For >1,000, Deduct	-1.11	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching	98.98	
31 23 16 13-0018 Spread Excess Or Imported Material For Trenches <small>(31 23 16 13)</small>		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine	3.51	
For Up To 20, Add	3.51	
For >20 To 50, Add	2.63	
For >50 To 250, Add	1.40	
For >250 To 500, Add	0.53	
For >1,000, Deduct	-0.53	
31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine <small>(31 23 16 13)</small>		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep	2.60	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep	2.86	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep	4.07	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep	4.59	
31 23 16 13-0025 Utility Chain Trencher <small>(31 23 16 13)</small>		
31 23 16 13-0026 Utility Trench, Chain Trencher <small>(31 23 16 13-0025)</small>		
Note: Earth left adjacent to trench.		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.43	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.43	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.57	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.24	
For >500, Deduct	-0.47	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.62	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.24	
For >500, Deduct	-0.49	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.71	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.26	
For >500, Deduct	-0.51	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.88	
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.28	
For >500, Deduct	-0.56	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.14	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.32	
For >500, Deduct	-0.64	
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.57	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.77	

31	Earthwork
31 20	Earth Moving
31 23	Excavation and Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.43	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.73	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.86	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.86	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.25	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.98	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	3.85	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-1.16	
31 23 16 13-0038 Backfill Trenches With Compaction (31 23 16 13-0025)		
31 23 16 13-0039 LF Backfill 4" Wide, 12" Deep Trench, With Compaction	0.22	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.03	
For >500, Deduct	-0.07	
31 23 16 13-0040 LF Backfill 4" Wide, 18" Deep Trench, With Compaction	0.35	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.11	
31 23 16 13-0041 LF Backfill 4" Wide, 24" Deep Trench, With Compaction	0.47	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0042 LF Backfill 6" Wide, 12" Deep Trench, With Compaction	0.35	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.11	
31 23 16 13-0043 LF Backfill 6" Wide, 18" Deep Trench, With Compaction	0.47	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0044 LF Backfill 6" Wide, 24" Deep Trench, With Compaction	0.70	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.21	
31 23 16 13-0045 LF Backfill 6" Wide, 36" Deep Trench, With Compaction	1.00	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.15	
For >500, Deduct	-0.30	
31 23 16 13-0046 LF Backfill 8" Wide, 12" Deep Trench, With Compaction	0.47	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0047 LF Backfill 8" Wide, 18" Deep Trench, With Compaction	0.70	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.21	
31 23 16 13-0048 LF Backfill 8" Wide, 24" Deep Trench, With Compaction	0.93	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.14	
For >500, Deduct	-0.28	
31 23 16 13-0049 LF Backfill 8" Wide, 36" Deep Trench, With Compaction	1.40	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.42	
31 23 16 16 Structural Excavation for Minor Structures (31 23 16)		
31 23 16 16-0001 Post Holes (31 23 16 16)		
Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.		
31 23 16 16-0002 Drilling Post Hole In Soil (31 23 16 16-0001)		
Note: Auger by machine unless otherwise notified by owner.		
31 23 16 16-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.03	
31 23 16 16-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.28	
31 23 16 16-0005 VLF 3" Diameter Hole, Auger By Machine Post Hole In Soil	13.37	
31 23 16 16-0006 VLF 4" Diameter Hole, Auger By Machine Post Hole In Soil	15.04	
31 23 16 16-0007 VLF 6" Diameter Hole, Auger By Machine Post Hole In Soil	16.41	
31 23 16 16-0008 VLF 8" Diameter Hole, Auger By Machine Post Hole In Soil	18.05	
31 23 16 16-0009 VLF 10" Diameter Hole, Auger By Machine Post Hole In Soil	20.06	
31 23 16 16-0010 VLF 12" Diameter Hole, Auger By Machine Post Hole In Soil	22.56	
31 23 16 16-0011 VLF 18" Diameter Hole, Auger By Machine Post Hole In Soil	25.79	
31 23 16 16-0012 VLF 24" Diameter Hole, Auger By Machine Post Hole In Soil	30.08	
31 23 16 16-0013 VLF 30" Diameter Hole, Auger By Machine Post Hole In Soil	36.10	
31 23 16 16-0014 VLF 36" Diameter Hole, Auger By Machine Post Hole In Soil	45.12	



Earthwork	31	13
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0015 Drilling Post Hole In Rock <small>(31 23 16 16-0001)</small>		
31 23 16 16-0016 CF Jackhammer Post Hole, Rock.....	75.20	
31 23 16 16-0017 CF Rock Drill Post Hole, Rock.....	21.15	
31 23 16 16-0018 Post Hole Fill <small>(31 23 16 16-0001)</small>		
31 23 16 16-0019 Concrete Fill <small>(31 23 16 16-0018)</small>		
31 23 16 16-0020 VLF Concrete Fill, Up To 2-1/2" Diameter Hole.....	5.95	
31 23 16 16-0021 VLF Concrete Fill, 2-1/2" Diameter Hole.....	7.64	
31 23 16 16-0022 VLF Concrete Fill, 3" Diameter Hole.....	8.42	
31 23 16 16-0023 VLF Concrete Fill, 4" Diameter Hole.....	9.67	
31 23 16 16-0024 VLF Concrete Fill, 6" Diameter Hole.....	13.62	
31 23 16 16-0025 VLF Concrete Fill, 8" Diameter Hole.....	18.19	
31 23 16 16-0026 VLF Concrete Fill, 10" Diameter Hole.....	22.24	
31 23 16 16-0027 VLF Concrete Fill, 12" Diameter Hole.....	25.93	
31 23 16 16-0028 VLF Concrete Fill, 18" Diameter Hole.....	35.32	
31 23 16 16-0029 VLF Concrete Fill, 24" Diameter Hole.....	43.81	
31 23 16 16-0030 VLF Concrete Fill, 30" Diameter Hole.....	52.10	
31 23 16 16-0031 VLF Concrete Fill, 36" Diameter Hole.....	60.68	
31 23 16 16-0032 Grout Fill <small>(31 23 16 16-0018)</small>		
31 23 16 16-0033 VLF Grout Fill, Up To 2-1/2" Diameter Hole.....	7.06	
31 23 16 16-0034 VLF Grout Fill, 2-1/2" Diameter Hole.....	9.08	
31 23 16 16-0035 VLF Grout Fill, 3" Diameter Hole.....	9.88	
31 23 16 16-0036 VLF Grout Fill, 4" Diameter Hole.....	11.12	
31 23 16 16-0037 VLF Grout Fill, 6" Diameter Hole.....	15.53	
31 23 16 16-0038 VLF Grout Fill, 8" Diameter Hole.....	20.71	
31 23 16 16-0039 VLF Grout Fill, 10" Diameter Hole.....	25.24	
31 23 16 16-0040 VLF Grout Fill, 12" Diameter Hole.....	29.29	
31 23 16 16-0041 VLF Grout Fill, 18" Diameter Hole.....	39.16	
31 23 16 16-0042 VLF Grout Fill, 24" Diameter Hole.....	47.83	
31 23 16 16-0043 VLF Grout Fill, 30" Diameter Hole.....	56.23	
31 23 16 16-0044 VLF Grout Fill, 36" Diameter Hole.....	64.83	
31 23 16 16-0045 Earth Fill, Compacted <small>(31 23 16 16-0018)</small>		
31 23 16 16-0046 VLF Earth Fill, Up To 2-1/2" Diameter Hole.....	5.01	
31 23 16 16-0047 VLF Earth Fill, 2-1/2" Diameter Hole.....	6.52	
31 23 16 16-0048 VLF Earth Fill, 3" Diameter Hole.....	6.81	
31 23 16 16-0049 VLF Earth Fill, 4" Diameter Hole.....	7.02	
31 23 16 16-0050 VLF Earth Fill, 6" Diameter Hole.....	9.38	
31 23 16 16-0051 VLF Earth Fill, 8" Diameter Hole.....	12.50	
31 23 16 16-0052 VLF Earth Fill, 10" Diameter Hole.....	15.00	
31 23 16 16-0053 VLF Earth Fill, 12" Diameter Hole.....	17.00	
31 23 16 16-0054 VLF Earth Fill, 18" Diameter Hole.....	20.71	
31 23 16 16-0055 VLF Earth Fill, 24" Diameter Hole.....	23.25	
31 23 16 16-0056 VLF Earth Fill, 30" Diameter Hole.....	25.50	
31 23 16 16-0057 VLF Earth Fill, 36" Diameter Hole.....	27.50	
31 23 16 26 Rock Removal <small>(31 23 16)</small>		
31 23 16 26-0001 Rock Breaking By Machine <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	29.48	
31 23 16 26-0003 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	31.45	
31 23 16 26-0004 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt).....	37.35	
31 23 16 33 Bulk Excavation <small>(31 23 16)</small>		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
31 23 16 33-0001 Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil.....	10.97	
For Excavation In Light Material (Class A), Deduct		-1.37
For Excavation In Heavy/Wet Material (Class C), Add		4.39
For >1,000, Deduct		-1.65
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil.....	6.13	
For Excavation In Light Material (Class A), Deduct		-0.77
For Excavation In Heavy/Wet Material (Class C), Add		2.45
For >1,000, Deduct		-0.92
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock.....	13.51	
Note: Includes compacted aggregate		
For >1,000, Deduct		-2.03
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	7.54	
Note: Includes compacted aggregate		
For >1,000, Deduct		-1.13

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation and Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 33-0006	Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small> Note: Imported or stockpiled material for bulk excavation.	
31 23 16 33-0007	CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine 6.78 <i>For >1,000, Deduct</i> -1.02	
31 23 16 33-0008	Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small>	
31 23 16 33-0009	CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine 7.53 <i>For >1,000, Deduct</i> -1.13	
31 23 16 33-0010	Relocating On Site Excavated Material From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation.	
31 23 16 33-0011	CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300' 6.02 <i>For >1,000, Deduct</i> -0.90	
31 23 16 33-0012	CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500' 9.04 <i>For >1,000, Deduct</i> -1.36	
31 23 16 33-0013	CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' 13.55 <i>For >1,000, Deduct</i> -2.03	
31 23 16 33-0014	CY Relocating On Site Excavated Material From Bulk Excavation >1,000' 18.07 <i>For >1,000, Deduct</i> -2.71	
31 23 16 33-0015	Finish Grading For Bulk Excavation <small>(31 23 16 33)</small>	
31 23 16 33-0016	SY Finish Grading for Bulk Excavation by Machine 0.75	
31 23 16 33-0017	Compaction Of Fill Or Subbase, Per Lift <small>(31 23 16 33)</small> Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.	
31 23 16 33-0018	SY Compaction of Fill or Subbase for Bulk Excavation by Machine 0.76 Note: Per Lift	
31 23 16 33-0019	Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.	
31 23 16 33-0020	CY Loading Excess Material For Removal From Bulk Excavation 6.17 <i>For >1,000, Deduct</i> -0.93	
31 23 16 36	Excavation for Building Foundations and Other Structures <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.	
31 23 16 36-0001	Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.	
31 23 16 36-0002	Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>	
31 23 16 36-0003	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil 9.87 <i>For Excavation In Light Material (Class A), Deduct</i> -1.23 <i>For Excavation In Heavy/Wet Material (Class C), Add</i> 3.95 <i>For Up To 20, Add</i> 9.87 <i>For >20 To 50, Add</i> 7.40 <i>For >50 To 250, Add</i> 3.95 <i>For >250 To 500, Add</i> 1.48	
31 23 16 36-0004	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock 12.26 Note: Includes compacted aggregate <i>For Up To 20, Add</i> 12.26 <i>For >20 To 50, Add</i> 9.20 <i>For >50 To 250, Add</i> 4.90 <i>For >250 To 500, Add</i> 1.84	
31 23 16 36-0005	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>	
31 23 16 36-0006	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil 7.36 <i>For Excavation In Light Material (Class A), Deduct</i> -0.92 <i>For Excavation In Heavy/Wet Material (Class C), Add</i> 2.94 <i>For Up To 20, Add</i> 7.36 <i>For >20 To 50, Add</i> 5.52 <i>For >50 To 250, Add</i> 2.94 <i>For >250 To 500, Add</i> 1.10	
31 23 16 36-0007	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock 8.75 Note: Includes compacted aggregate <i>For Up To 20, Add</i> 8.75 <i>For >20 To 50, Add</i> 6.56 <i>For >50 To 250, Add</i> 3.50 <i>For >250 To 500, Add</i> 1.31	



Earthwork	31	13
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small>		
<i>Note: For areas not accessible by machine and only with owner's approval.</i>		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil	134.98	
For Excavation In Light Material (Class A), Deduct	-16.87	
For Excavation In Heavy/Wet Material (Class C), Add	53.99	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	231.54	
<i>Note: Includes compacted aggregate</i>		
31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation <small>(31 23 16 36)</small>		
<i>Note: For building foundations and other structures.</i>		
31 23 16 36-0012 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.02	
For Up To 20, Add	6.02	
For >20 To 50, Add	4.52	
For >50 To 250, Add	2.41	
For >250 To 500, Add	0.90	
31 23 16 36-0013 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.04	
For Up To 20, Add	9.04	
For >20 To 50, Add	6.78	
For >50 To 250, Add	3.62	
For >250 To 500, Add	1.36	
31 23 16 36-0014 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.55	
For Up To 20, Add	13.55	
For >20 To 50, Add	10.16	
For >50 To 250, Add	5.42	
For >250 To 500, Add	2.03	
31 23 16 36-0015 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	18.07	
For Up To 20, Add	18.07	
For >20 To 50, Add	13.55	
For >50 To 250, Add	7.23	
For >250 To 500, Add	2.71	
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small>		
<i>Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.</i>		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	4.86	
For Up To 20, Add	4.86	
For >20 To 50, Add	3.65	
For >50 To 250, Add	1.94	
For >250 To 500, Add	0.73	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.70	
For Up To 20, Add	5.70	
For >20 To 50, Add	4.28	
For >50 To 250, Add	2.28	
For >250 To 500, Add	0.86	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand	64.27	
31 23 16 36-0020 Compaction Of Fill Or Subbase <small>(31 23 16 36)</small>		
<i>Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.</i>		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	12.41	
For Up To 20, Add	12.41	
For >20 To 50, Add	9.31	
For >50 To 250, Add	4.96	
For >250 To 500, Add	1.86	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	42.29	
31 23 16 36-0023 Grading For Building Foundations And Other Structures <small>(31 23 16 36)</small>		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine	1.30	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine	2.09	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand	12.51	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small>		
<i>Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00- 0039 for hauling.</i>		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.43	
For Up To 20, Add	6.43	
For >20 To 50, Add	4.82	
For >50 To 250, Add	2.57	
For >250 To 500, Add	0.96	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	98.98	

31	31 Earthwork
	31 20 Earth Moving
	31 23 Excavation and Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 36-0030	Spread Excess Or Imported Material And Grade On Site <small>(31 23 16 36)</small> Note: For building foundations and other structures.	
31 23 16 36-0031	CY Spread Excess Or Imported Material And Rough Grade On Site By Machine.....	3.51
	For Up To 20, Add	3.51
	For >20 To 50, Add	2.63
	For >50 To 250, Add	1.40
	For >250 To 500, Add	0.53
31 23 16 36-0032	CY Spread Excess Or Imported Material And Rough Grade On Site By Hand.....	54.63

31 23 16 46	Excavation Operations to Expose Underground Pipes and Structures <small>(31 23 16)</small> Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.	
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31 23 16 46-0001	Excavation To Expose Underground Pipe Or Structures <small>(31 23 16 46)</small> Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.	
31 23 16 46-0002	Excavation By Machine To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>	
31 23 16 46-0003	CY Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures.....	14.72
	For Excavation In Light Material (Class A), Deduct	-1.84
	For Excavation In Heavy/Wet Material (Class C), Add	5.89
	For Up To 20, Add	14.72
	For >20 To 50, Add	11.04
	For >50 To 250, Add	5.89
	For >250 To 500, Add	2.21
31 23 16 46-0004	CY Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures.....	17.48
	For Up To 20, Add	17.48
	For >20 To 50, Add	13.11
	For >50 To 250, Add	6.99
	For >250 To 500, Add	2.62

31 23 16 46-0005	Excavation By Hand To Expose Underground Pipe Or Structure <small>(31 23 16 46-0001)</small>	
31 23 16 46-0006	CY Excavation By Hand In Soil To Expose Underground Pipes And Structures.....	168.72
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 46-0007	CY Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures.....	251.96
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

31 23 16 46-0008	Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small> Note: With imported or stockpiled materials	
31 23 16 46-0009	CY Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures.....	11.04
	For >20 To 50, Add	8.28
	For >50 To 250, Add	4.42
	For >250 To 500, Add	1.66
31 23 16 46-0010	CY Backfilling by Hand At Exposed Underground Pipes And Structures.....	76.49

31 23 16 46-0011	Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small> Note: With imported or stockpiled materials	
31 23 16 46-0012	CY Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures.....	15.63
	For Up To 20, Add	15.63
	For >20 To 50, Add	11.72
	For >50 To 250, Add	6.25
	For >250 To 500, Add	2.34
31 23 16 46-0013	CY Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures.....	50.77

31 23 16 46-0014	Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small> Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0039 for hauling.	
31 23 16 46-0015	CY Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures.....	7.38
	For Up To 20, Add	7.38
	For >20 To 50, Add	5.54
	For >50 To 250, Add	2.95
	For >250 To 500, Add	1.11
	For >1,000, Deduct	-1.11
31 23 16 46-0016	CY Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures.....	98.98

31 23 16 46-0017	Spread Excess Or Imported Material And Grade At Exposed Underground Pipe Or Structures <small>(31 23 16 46)</small> Note: Includes hand work by laborer for clean-up.	
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Earthwork	31	15
Earth Moving	31 20	
Excavation and Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 46-0018	CY	Spread Excess Or Imported Material And Grade On Site By Machine At Exposed Underground Pipe Or Structures	3.51
		For Up To 20, Add	3.51
		For >20 To 50, Add	2.63
		For >50 To 250, Add	1.40
		For >250 To 500, Add	0.53
		For >1,000, Deduct	-0.53
31 23 16 46-0019	CY	Spread Excess Or Imported Material And Grade On Site By Hand At Exposed Underground Pipe Or Structures	54.63

31 23 19 Dewatering (31 23)

31 23 19 00-0001 Well Point Dewatering System (31 23 19)

31 23 19 00-0002 Delivery, Installation And Removal Cost (31 23 19 00-0001)

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	137.85
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	75.81
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	68.93
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	62.03
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	55.14
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	48.24

31 23 19 00-0009 Well Point Dewatering System Rental (31 23 19 00-0001)

Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.

31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	4.12
		For >5 Days And <1 Month, Deduct	-0.91
		For >1 Month, Deduct	-1.15
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	2.40
		For >5 Days And <1 Month, Deduct	-0.53
		For >1 Month, Deduct	-0.67
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	1.72
		For >5 Days And <1 Month, Deduct	-0.38
		For >1 Month, Deduct	-0.48
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	1.26
		For >5 Days And <1 Month, Deduct	-0.28
		For >1 Month, Deduct	-0.35
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	1.14
		For >5 Days And <1 Month, Deduct	-0.25
		For >1 Month, Deduct	-0.32

31 23 19 00-0015 Well Point Dewatering System Operation Costs (31 23 19 00-0001)

Note: The quantity for operation shall be the total number of hours the well point system is operational.

31 23 19 00-0016	HR	Operation Costs	126.24
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31 23 23 Fill (31 23)

31 23 23 23 Compaction (31 23 23)

31 23 23 23-0001 Compaction Water, Water Truck And Operator (31 23 23 23)

31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator	287.28
		Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	

31 23 23 33 Flowable Fill (31 23 23)

31 23 23 33-0001 Flowable Fill (Fly Ash) Cement Backfill For Trenches (31 23 23 33)

Note: Includes compaction and restoration of final grade.

31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	144.76
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31 24 Embankments (31 20)

31 24 13 Roadway Embankments (31 24)

31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13)

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 Cutting, Shaping And Rough Grading (31 24 13 00-0001)

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31	31	Earthwork
	31 20	Earth Moving
	31 24	Embankments



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 13 00-0003	Cutting, Shaping, And Rough Grading <small>(31 24 13 00-0002)</small>	
31 24 13 00-0004	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	7.53
	<i>For Up To 20, Add</i>	7.53
	<i>For >20 To 50, Add</i>	5.65
	<i>For >50 To 250, Add</i>	3.01
	<i>For >250 To 500, Add</i>	1.13
	<i>For >1,000, Deduct</i>	-1.13
31 24 13 00-0005	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	9.34
	Note: Includes compacted aggregate	
	<i>For Up To 20, Add</i>	9.34
	<i>For >20 To 50, Add</i>	7.01
	<i>For >50 To 250, Add</i>	3.74
	<i>For >250 To 500, Add</i>	1.40
	<i>For >1,000, Deduct</i>	-1.40
31 24 13 00-0006	Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>	
31 24 13 00-0007	SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope	6.92
31 24 13 00-0008	SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.00
31 24 13 00-0009	Scarify Soil <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0010	CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	6.97
	<i>For Up To 20, Add</i>	3.49
	<i>For >20 To 50, Add</i>	1.74
	<i>For >250 To 500, Deduct</i>	-0.70
	<i>For >500, Deduct</i>	-1.39
31 24 13 00-0011	Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>	
31 24 13 00-0012	CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	13.55
	<i>For Up To 20, Add</i>	13.55
	<i>For >20 To 50, Add</i>	10.16
	<i>For >50 To 250, Add</i>	5.42
	<i>For >250 To 500, Add</i>	2.03
	<i>For >1,000, Deduct</i>	-2.03
31 24 13 00-0013	CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	18.07
	<i>For Up To 20, Add</i>	18.07
	<i>For >20 To 50, Add</i>	13.55
	<i>For >50 To 250, Add</i>	7.23
	<i>For >250 To 500, Add</i>	2.71
	<i>For >1,000, Deduct</i>	-2.71
31 24 13 00-0014	Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.	
31 24 13 00-0015	CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.29
	<i>For Up To 20, Add</i>	8.29
	<i>For >20 To 50, Add</i>	6.22
	<i>For >50 To 250, Add</i>	3.32
	<i>For >250 To 500, Add</i>	1.24
	<i>For >1,000, Deduct</i>	-1.24
31 24 13 00-0016	Grading <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments by machine.	
31 24 13 00-0017	SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.83
31 24 13 00-0018	SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	1.11
31 24 13 00-0019	LF Finish Grade For Curb	1.25
31 24 13 00-0020	LF Finish Grade For Curb And Gutter.....	1.52
31 24 13 00-0021	Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments by machine, per lift.	
31 24 13 00-0022	SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.76
	<i>For Up To 250, Add</i>	0.76
	<i>For >250 To 500, Add</i>	0.57
	<i>For >500 To 1,000, Add</i>	0.30
	<i>For >5,000, Deduct</i>	-0.11
31 24 13 00-0023	Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.	



Earthwork	31	13
Earth Moving	31 20	
Embankments	31 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.17	
For Up To 20, Add	6.17	
For >20 To 50, Add	4.63	
For >50 To 250, Add	2.47	
For >250 To 500, Add	0.93	
For >1,000, Deduct	-0.93	

31 25 Erosion and Sedimentation Controls (31 25)

31 25 14 Stabilization Measures for Erosion and Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001 Bonded Fiber Matrix (31 25 14 13)

31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	63.39
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	58.17
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	53.75
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied	51.22

31 25 14 16 Rolled Erosion Control Mats and Blankets (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)

31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket	3.50
Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket	4.58
Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket	3.31
Note: As manufactured by American Excelsior	
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket	3.50
Note: As manufactured by American Green.	
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	3.08

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)

31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket	4.53
Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket	6.21
Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural	3.73
Note: As manufactured by American Excelsior.	
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green	3.92
Note: As manufactured by American Excelsior.	
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket	4.20
Note: As manufactured by American Excelsior.	

31 25 14 16-0014 Turf Reinforcement Mats (TRM) (31 25 14 16-0001)

Note: Permanent, UV stabilized.

31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat	14.59
Note: 100% synthetic, UV stabilized, two layer netting.	
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat	13.42
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat	19.01
Note: As manufactured by American Excelsior, 100% recycled	

31 25 14 16-0018 Jute Mesh Erosion Control Blankets (31 25 14 16-0001)

31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave	5.92
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31 25 14 16-0020 Revegetation Mat (31 25 14 16-0001)

31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber	11.39
Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber	16.30
Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	

31 25 14 16-0023 Erosion Control Rolls (31 25 14 16-0001)

31 25 14 16-0024 SY Erosion Control Rolls, Mirafi 140N	2.40
31 25 14 16-0025 SY Erosion Control Rolls, Amoco 4547	2.45

31 Earthwork**31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 25 14 23 Stabilization Measures for Erosion Control (31 25 14)

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags (31 25 14 23)

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG 50 LB Capacity Sand Bag With Sand	6.81	2.84
	<i>For >2,500 To 5,000, Deduct</i>	-0.57	
	<i>For >5,000, Deduct</i>	-1.25	
31 25 14 23-0003	BAG 75 LB Capacity Sand Bag With Sand	8.81	3.54
	<i>For >2,500 To 5,000, Deduct</i>	-0.71	
	<i>For >5,000, Deduct</i>	-1.59	
31 25 14 23-0004	BAG 100 LB Capacity Sand Bag With Sand	11.11	4.23
	<i>For >2,500 To 5,000, Deduct</i>	-0.85	
	<i>For >5,000, Deduct</i>	-1.96	
31 25 14 23-0005	BAG 125 LB Capacity Sand Bag With Sand	13.67	5.29
	<i>For >2,500 To 5,000, Deduct</i>	-1.06	
	<i>For >5,000, Deduct</i>	-2.42	
31 25 14 23-0006	BAG 150 LB Capacity Sand Bag With Sand	16.65	6.33
	<i>For >2,500 To 5,000, Deduct</i>	-1.27	
	<i>For >5,000, Deduct</i>	-2.93	
31 25 14 23-0007	BAG 175 LB Capacity Sand Bag With Sand	19.42	7.20
	<i>For >2,500 To 5,000, Deduct</i>	-1.44	
	<i>For >5,000, Deduct</i>	-3.38	
31 25 14 23-0008	BAG 2,000 LB Capacity Sand Bag With Sand	158.05	50.58
	<i>For >2,500 To 5,000, Deduct</i>	-9.43	
	<i>For >5,000, Deduct</i>	-25.23	
31 25 14 23-0009	BAG 3,000 LB Capacity Sand Bag With Sand	204.59	55.63
	<i>For >2,500 To 5,000, Deduct</i>	-10.37	
	<i>For >5,000, Deduct</i>	-30.83	

31 25 14 23-0010 Gravel Bags (31 25 14 23)

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG 30 LB Capacity Gravel Bag With Gravel	6.33	1.89
	<i>For >2,500 To 5,000, Deduct</i>	-0.38	
	<i>For >5,000, Deduct</i>	-1.01	
31 25 14 23-0012	BAG 50 LB Capacity Gravel Bag With Gravel	11.43	2.84
	<i>For >2,500 To 5,000, Deduct</i>	-0.57	
	<i>For >5,000, Deduct</i>	-1.71	

31 25 14 23-0013 Floating Turbidity Curtain (31 25 14 23)

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.

31 25 14 23-0014	LF 3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.51	
	<i>For Type 1, Deduct</i>	-4.23	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.58	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.13	
31 25 14 23-0015	LF 4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	29.81	
	<i>For Type 1, Deduct</i>	-4.66	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.84	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.44	
31 25 14 23-0016	LF 5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	32.98	
	<i>For Type 1, Deduct</i>	-5.28	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.21	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.90	
31 25 14 23-0017	LF 6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.70	
	<i>For Type 1, Deduct</i>	-5.79	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.52	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.28	
31 25 14 23-0018	LF 7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.46	
	<i>For Type 1, Deduct</i>	-6.07	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.69	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.49	
31 25 14 23-0019	LF 8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	39.23	
	<i>For Type 1, Deduct</i>	-6.35	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.87	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.70	
31 25 14 23-0020	LF 9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	41.29	
	<i>For Type 1, Deduct</i>	-6.69	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.07	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.95	
31 25 14 23-0021	LF 10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.10	
	<i>For Type 1, Deduct</i>	-7.20	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.38	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.32	
31 25 14 23-0022	LF 12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.35	
	<i>For Type 1, Deduct</i>	-7.57	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.61	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.59	
31 25 14 23-0023	LF 13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	49.35	
	<i>For Type 1, Deduct</i>	-8.10	
	<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.93	
	<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	5.99	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0024 LF 14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	52.13	
For Type 1, Deduct	-8.58	
For 13 Oz PVC Fabric, Type 2, Deduct	-5.22	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.34	
31 25 14 23-0025 LF 15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	54.85	
For Type 1, Deduct	-9.03	
For 13 Oz PVC Fabric, Type 2, Deduct	-5.50	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.68	
31 25 14 23-0026 LF 16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	59.67	
For Type 1, Deduct	-9.97	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.07	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.37	
31 25 14 23-0027 LF 17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	62.58	
For Type 1, Deduct	-10.45	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.36	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	7.72	
31 25 14 23-0028 LF 18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	65.40	
For Type 1, Deduct	-10.90	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.63	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.05	
31 25 14 23-0029 LF 19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	68.39	
For Type 1, Deduct	-11.38	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.93	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.41	
31 25 14 23-0030 LF 20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	71.29	
For Type 1, Deduct	-11.83	
For 13 Oz PVC Fabric, Type 2, Deduct	-7.20	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.74	
31 25 14 23-0031 Turbidity Curtain Anchors (31 25 14 23)		
31 25 14 23-0032 EA 14 LB, Turbidity Curtain Anchor System.....	735.77	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033 EA 25 LB, Turbidity Curtain Anchor System.....	1,008.24	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034 EA 40 LB, Turbidity Curtain Anchor System.....	1,281.89	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035 EA 65 LB, Turbidity Curtain Anchor System.....	1,676.00	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0036 Filter Bags (31 25 14 23)		
31 25 14 23-0037 Non-Woven Filter Bags (31 25 14 23-0036)		
31 25 14 23-0038 EA 6' x 15' Non-Woven Filter Bag.....	250.01	
31 25 14 23-0039 EA 13' x 15' Non-Woven Filter Bag.....	361.79	
31 25 14 23-0040 EA 15' x 15' Non-Woven Filter Bag.....	415.94	
31 25 14 23-0041 Monofilament Filter Bags (31 25 14 23-0036)		
31 25 14 23-0042 EA 5' x 15' Monofilament Filter Bag.....	259.94	
31 25 14 23-0043 EA 10' x 15' Monofilament Filter Bag.....	359.92	
31 25 14 23-0044 Cable Articulating Concrete Block (31 25 14 23)		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	40.06	
For Up To 500, Add	9.16	
For >500 To 1,000, Add	5.16	
31 25 14 23-0046 SF 6" Open Cell Articulated Concrete Block With Earth Backfill.....	45.55	
For Up To 500, Add	10.37	
For >500 To 1,000, Add	5.81	
31 25 14 23-0047 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	51.86	
For Up To 500, Add	11.76	
For >500 To 1,000, Add	6.57	
31 25 14 23-0048 SF 9" Open Cell Articulated Concrete Block With Earth Backfill.....	58.37	
For Up To 500, Add	13.21	
For >500 To 1,000, Add	7.37	
31 25 14 23-0049 SF 4.75" Closed Cell Articulated Concrete Block.....	42.62	
For Up To 500, Add	9.68	
For >500 To 1,000, Add	5.41	
31 25 14 23-0050 SF 6" Closed Cell Articulated Concrete Block.....	48.61	
For Up To 500, Add	10.98	
For >500 To 1,000, Add	6.12	
31 25 14 23-0051 SF 7.5" Closed Cell Articulated Concrete Block.....	55.49	
For Up To 500, Add	12.48	
For >500 To 1,000, Add	6.93	
31 25 14 23-0052 SF 9" Closed Cell Articulated Concrete Block.....	62.53	
For Up To 500, Add	14.04	
For >500 To 1,000, Add	7.79	

31	31	Earthwork
	31 20	Earth Moving
	31 25	Erosion and Sedimentation Controls



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)

31 25 14 26-0001	Silt Fences And Dike Barriers <small>(31 25 14 26)</small> Note: Includes stakes and embedding.	
31 25 14 26-0002	Silt Fences 2' High <small>(31 25 14 26-0001)</small> See CSI section 31 25 14 26-0014 for removal of silt fence.	
31 25 14 26-0003	LF 2' High Silt Fence with Stakes at 4' On Center	4.09
31 25 14 26-0004	LF 2' High Silt Fence with Stakes at 6' On Center	3.26
31 25 14 26-0005	LF 2' High Silt Fence with Stakes at 8' On Center	2.42
31 25 14 26-0006	LF 2' High Silt Fence with Stakes at 10' On Center	2.16
31 25 14 26-0007	Silt Fences 3' High <small>(31 25 14 26-0001)</small> See CSI section 31 25 14 26-0014 for removal of silt fence.	
31 25 14 26-0008	LF 3' High Silt Fence with Stakes at 4' On Center	5.19
31 25 14 26-0009	LF 3' High Silt Fence with Stakes at 6' On Center	4.30
31 25 14 26-0010	LF 3' High Silt Fence with Stakes at 8' On Center	3.01
31 25 14 26-0011	LF 3' High Silt Fence with Stakes at 10' On Center	2.66
31 25 14 26-0012	Silt Dike Barrier <small>(31 25 14 26-0001)</small>	
31 25 14 26-0013	LF Silt Dike Barrier With Stakes	5.60
31 25 14 26-0014	Silt Fences Removal <small>(31 25 14 26-0001)</small>	
31 25 14 26-0015	LF Removal Of Silt Fence And Stakes	0.90
31 25 14 26-0016	Hay And Straw Bales <small>(31 25 14 26)</small> Note: Includes trench for placement, and stakes.	
31 25 14 26-0017	LF Place Sterilized Straw Bales	4.58
31 25 14 26-0018	LF Place Hay Bales	4.31
31 25 14 26-0019	LF Removal Of Hay Or Straw Bales	1.61
31 25 14 26-0020	Sediment Logs (Degradable) <small>(31 25 14 26)</small>	
31 25 14 26-0021	Sediment Logs (Degradable) <small>(31 25 14 26-0020)</small> Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.	
31 25 14 26-0022	LF 9" Sediment Fiber Roll Log	7.42
31 25 14 26-0023	LF 12" Sediment Fiber Roll Log	8.65
31 25 14 26-0024	LF 20" Sediment Fiber Roll Log	13.81
31 25 14 26-0025	Wattles (Degradable) With UV Stabilized Synthetic Netting <small>(31 25 14 26-0020)</small> Note: Includes trench for placement, 24" wood staking at 4' on-center	
31 25 14 26-0026	EA Wattles (Sterile Straw Filled Rolls), 8" x 25'	136.39
31 25 14 26-0027	EA Wattles (Sterile Straw Filled Rolls), 9" x 25'	145.03
31 25 14 26-0028	EA Wattles (Sterile Straw Filled Rolls), 12" x 20'	161.18
31 25 14 26-0029	EA Wattles (Sterile Straw Filled Rolls), 20" x 10'	187.69
31 25 14 26-0030	Fiber Roll (CALTRANS Type 1) <small>(31 25 14 26)</small> Note: Includes furrow trench for placement, 24" wood staking at 4' on-center	
31 25 14 26-0031	LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	7.13
	<i>For >1,000 To 10,000, Deduct</i>	-0.81
	<i>For >10,000, Deduct</i>	-1.36
31 25 14 26-0032	LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	7.51
	<i>For >1,000 To 10,000, Deduct</i>	-0.82
	<i>For >10,000, Deduct</i>	-1.39
31 25 14 26-0033	LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	10.18
	<i>For >1,000 To 10,000, Deduct</i>	-1.00
	<i>For >10,000, Deduct</i>	-1.70
31 25 14 26-0034	Fiber Roll (CALTRANS Type 2) <small>(31 25 14 26)</small> Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.	
31 25 14 26-0035	LF 8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.76
	<i>For >1,000 To 10,000, Deduct</i>	-0.60
	<i>For >10,000, Deduct</i>	-1.02
31 25 14 26-0036	LF 9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.33
	<i>For >1,000 To 10,000, Deduct</i>	-0.64
	<i>For >10,000, Deduct</i>	-1.09
31 25 14 26-0037	LF 12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	8.36
	<i>For >1,000 To 10,000, Deduct</i>	-0.72
	<i>For >10,000, Deduct</i>	-1.24



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0038 Inlet Protection Sediment Bags ^(31 25 14 26) Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0039 EA 2' x 2' x 3' Inlet Protection Sediment Bag.....	88.52	
31 25 14 26-0040 EA 2' x 3' x 3' Inlet Protection Sediment Bag.....	103.86	
31 25 14 26-0041 EA 2' x 4' x 3' Inlet Protection Sediment Bag.....	113.44	
31 25 14 26-0042 Clean Sediment Logs/Wattles ^(31 25 14 26) Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0043 EA Clean Sediment Logs/Wattles.....	90.00	

31 30 Earthwork Methods ⁽³¹⁾

31 31 Soil Treatment ^(31 30)

31 31 16 Termite Control ^(31 31)

31 31 16 13 Chemical Termite Control ^(31 31 16)

31 31 16 13-0001 Commercial Use ^(31 31 16 13)

31 31 16 13-0002 SF Termite Pretreatment, Commercial Soil Poisoning Under Slab	1.11
31 31 16 13-0003 SF Termite Pretreatment, Commercial Slab And Walls.....	1.54

31 31 16 13-0004 Residential Use ^(31 31 16 13)

31 31 16 13-0005 SF Termite Pretreatment, Residential General Spraying Walls And Slab	1.53
31 31 16 13-0006 SF Termite Treatment, Existing Residential Structure.....	1.65

31 31 19 Vegetation Control ^(31 31)

31 31 19 13 Chemical Vegetation Control ^(31 31 19)

31 31 19 13-0001 Soil Sterilants ^(31 31 19 13)

31 31 19 13-0002 MSF Soil Sterilant.....	32.96
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	
For >45 To 90, Deduct	-0.49
For >90 To 225, Deduct	-2.62
For >225, Deduct	-3.59

31 32 Soil Stabilization ^(31 30)

31 32 13 Soil Mixing Stabilization ^(31 32)

31 32 13 16 Cement Soil Stabilization ^(31 32 13)

31 32 13 16-0001 Cementitious Soil Binder ^(31 32 13 16)

31 32 13 16-0002 CY Cementitious Soil Binder, 4% Cement Mix By Volume	39.69
31 32 13 16-0003 CY Cementitious Soil Binder, 6% Cement Mix By Volume	45.32
31 32 13 16-0004 CY Cementitious Soil Binder, 9% Cement Mix By Volume	54.59
31 32 13 16-0005 CY Cementitious Soil Binder, 12% Cement Mix By Volume	63.72

31 32 13 19 Lime Soil Stabilization ^(31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry ^(31 32 13 19)

31 32 13 19-0002 LCY Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	35.97
31 32 13 19-0003 TON Cement Stabilized Base Material.....	115.65
31 32 13 19-0004 CWT Lime For Soil Stabilization	18.34
Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005 LCY Roller, Grader - Lime Stabilization.....	19.02
31 32 13 19-0006 LCY Roller, Grader - Cement Stabilization	4.39

31 32 13 19-0007 Lime Stabilized Subgrade ^(31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008 SY 6" Thick Lime Stabilized Subgrade, 25 LB.....	11.89
For 4% Lime Instead Of 5%, Deduct	-0.33
For 6% Lime Instead Of 5%, Add	0.33
31 32 13 19-0009 SY 7" Thick Lime Stabilized Subgrade, 29 LB.....	13.81
For 4% Lime Instead Of 5%, Deduct	-0.38
For 6% Lime Instead Of 5%, Add	0.38
31 32 13 19-0010 SY 8" Thick Lime Stabilized Subgrade, 33 LB.....	15.76
For 4% Lime Instead Of 5%, Deduct	-0.43
For 6% Lime Instead Of 5%, Add	0.43

31	31 Earthwork
	31 30 Earthwork Methods
	31 32 Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001	GAL Polyacrylamide And Calcium Solution	2.67
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31 32 19 Geosynthetic Soil Stabilization and Layer Separation (31 32)

31 32 19 13 Geogrid Soil Stabilization (31 32 19)

31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY 5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.42
	For Up To 50, Add	1.20
	For >50 To 150, Add	0.89
	For >150 To 250, Add	0.58
	For >250 To 500, Add	0.29
31 32 19 13-0003	SY 6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.19
	For Up To 50, Add	1.36
	For >50 To 150, Add	1.01
	For >150 To 250, Add	0.66
	For >250 To 500, Add	0.33
31 32 19 13-0004	SY 8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.75
	For Up To 50, Add	1.47
	For >50 To 150, Add	1.09
	For >150 To 250, Add	0.72
	For >250 To 500, Add	0.36
31 32 19 13-0005	SY 12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.73
	For Up To 50, Add	2.07
	For >50 To 150, Add	1.54
	For >150 To 250, Add	1.02
	For >250 To 500, Add	0.51
31 32 19 13-0006	SY 14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.14
	For Up To 50, Add	2.36
	For >50 To 150, Add	1.76
	For >150 To 250, Add	1.16
	For >250 To 500, Add	0.58
31 32 19 13-0007	SY 4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.51
	For Up To 50, Add	1.21
	For >50 To 150, Add	0.90
	For >150 To 250, Add	0.59
	For >250 To 500, Add	0.29
31 32 19 13-0008	SY 5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.13
	For Up To 50, Add	1.74
	For >50 To 150, Add	1.30
	For >150 To 250, Add	0.85
	For >250 To 500, Add	0.43

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY 3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.68
	For Up To 50, Add	0.38
	For >50 To 150, Add	0.28
	For >150 To 250, Add	0.18
	For >250 To 500, Add	0.09
31 32 19 16-0003	SY 3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.80
	For Up To 50, Add	0.40
	For >50 To 150, Add	0.30
	For >150 To 250, Add	0.19
	For >250 To 500, Add	0.10
31 32 19 16-0004	SY 4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.95
	For Up To 50, Add	0.43
	For >50 To 150, Add	0.32
	For >150 To 250, Add	0.21
	For >250 To 500, Add	0.10
31 32 19 16-0005	SY 4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.10
	For Up To 50, Add	0.46
	For >50 To 150, Add	0.34
	For >150 To 250, Add	0.22
	For >250 To 500, Add	0.11
31 32 19 16-0006	SY 6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.50
	For Up To 50, Add	0.54
	For >50 To 150, Add	0.40
	For >150 To 250, Add	0.26
	For >250 To 500, Add	0.13



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0007 SY 7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	2.93	
<i>For Up To 50, Add</i>	0.64	
<i>For >50 To 150, Add</i>	0.48	
<i>For >150 To 250, Add</i>	0.31	
<i>For >250 To 500, Add</i>	0.16	
31 32 19 16-0008 SY 8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	3.23	
<i>For Up To 50, Add</i>	0.70	
<i>For >50 To 150, Add</i>	0.52	
<i>For >150 To 250, Add</i>	0.34	
<i>For >250 To 500, Add</i>	0.17	
31 32 19 16-0009 SY 10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	3.99	
<i>For Up To 50, Add</i>	0.85	
<i>For >50 To 150, Add</i>	0.63	
<i>For >150 To 250, Add</i>	0.42	
<i>For >250 To 500, Add</i>	0.21	
31 32 19 16-0010 SY 16 Ounce/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	6.84	
<i>For Up To 50, Add</i>	1.42	
<i>For >50 To 150, Add</i>	1.06	
<i>For >150 To 250, Add</i>	0.70	
<i>For >250 To 500, Add</i>	0.35	
31 32 19 16-0011 Woven Geotextiles Fabric (31 32 19 16)		
31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.44	
<i>For Up To 50, Add</i>	0.53	
<i>For >50 To 150, Add</i>	0.39	
<i>For >150 To 250, Add</i>	0.26	
<i>For >250 To 500, Add</i>	0.13	
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.43	
<i>For Up To 50, Add</i>	0.73	
<i>For >50 To 150, Add</i>	0.54	
<i>For >150 To 250, Add</i>	0.36	
<i>For >250 To 500, Add</i>	0.18	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	6.07	
<i>For Up To 50, Add</i>	1.27	
<i>For >50 To 150, Add</i>	0.95	
<i>For >150 To 250, Add</i>	0.63	
<i>For >250 To 500, Add</i>	0.31	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	5.92	
<i>For Up To 50, Add</i>	1.24	
<i>For >50 To 150, Add</i>	0.92	
<i>For >150 To 250, Add</i>	0.61	
<i>For >250 To 500, Add</i>	0.31	
31 32 19 16-0016 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	5.17	
<i>For Up To 50, Add</i>	1.09	
<i>For >50 To 150, Add</i>	0.81	
<i>For >150 To 250, Add</i>	0.54	
<i>For >250 To 500, Add</i>	0.27	
31 32 19 16-0017 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	5.53	
<i>For Up To 50, Add</i>	1.16	
<i>For >50 To 150, Add</i>	0.87	
<i>For >150 To 250, Add</i>	0.57	
<i>For >250 To 500, Add</i>	0.29	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	7.07	
<i>For Up To 50, Add</i>	1.47	
<i>For >50 To 150, Add</i>	1.10	
<i>For >150 To 250, Add</i>	0.73	
<i>For >250 To 500, Add</i>	0.36	
31 32 19 16-0019 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.09	
<i>For Up To 50, Add</i>	2.07	
<i>For >50 To 150, Add</i>	1.55	
<i>For >150 To 250, Add</i>	1.03	
<i>For >250 To 500, Add</i>	0.51	
31 32 19 16-0020 Geomembranes (31 32 19 16)		
31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0020)		
31 32 19 16-0022 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.44	
31 32 19 16-0023 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.67	
31 32 19 16-0024 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.02	
31 32 19 16-0025 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.43	
31 32 19 16-0026 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.78	
31 32 19 16-0027 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.04	
31 32 19 16-0028 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.29	
31 32 19 16-0029 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.64	
31 32 19 16-0030 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.98	

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 19 16-0031	High Density Polyethylene (HDPE) Geomembrane <small>(31 32 19 16-0020)</small>	
31 32 19 16-0032	SF 20 Mil High Density Polyethylene Membrane (US Fabrics)	1.46
31 32 19 16-0033	SF 30 Mil High Density Polyethylene Membrane (US Fabrics)	0.97
31 32 19 16-0034	SF 40 Mil High Density Polyethylene Membrane (US Fabrics)	1.07
31 32 19 16-0035	SF 50 Mil High Density Polyethylene Membrane (US Fabrics)	1.52
31 32 19 16-0036	SF 60 Mil High Density Polyethylene Membrane (US Fabrics)	1.26
31 32 19 16-0037	SF 80 Mil High Density Polyethylene Membrane (US Fabrics)	1.46
31 32 19 16-0038	SF 100 Mil High Density Polyethylene Membrane (US Fabrics)	1.67
31 32 19 16-0039	SF 120 Mil High Density Polyethylene Membrane (US Fabrics)	2.71
31 32 19 16-0040	SF 140 Mil High Density Polyethylene Membrane (US Fabrics)	2.80

31 32 19 26 Geoweb Cellular Confinement System (31 32 19)
 Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001	Geoweb Cellular Confinement System <small>(31 32 19 26)</small>	
	Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.	
31 32 19 26-0002	SF 4" Geoweb Cellular Confinement System (Presto Geosystems)	7.69
	<i>For >20,000, Deduct</i>	-0.19
	<i>For >2:1 Slope, Add</i>	1.27
31 32 19 26-0003	SF 6" Geoweb Cellular Confinement System (Presto Geosystems)	9.41
	<i>For >20,000, Deduct</i>	-0.28
	<i>For >2:1 Slope, Add</i>	1.27
31 32 19 26-0004	SF 8" Geoweb Cellular Confinement System (Presto Geosystems)	11.46
	<i>For >20,000, Deduct</i>	-0.38
	<i>For >2:1 Slope, Add</i>	1.27

31 32 36 Soil Nailing (31 32)

31 32 36 11 Soil Nailing Stabilization (31 32 36)

31 32 36 11-0001	Landslide and Slip-Out Stabilization <small>(31 32 36 11)</small>	
	Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.	
31 32 36 11-0002	BioWall® <small>(31 32 36 11-0001)</small>	
	Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 11-0003	SF BioWall® Construction	25.00
31 32 36 11-0004	Green Terra Mesh <small>(31 32 36 11-0001)</small>	
	Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 11-0005	EA Green Terra Mesh	635.25



	Earthwork	31	
	Earthwork Methods	31 30	13
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0006

GeoSynthetically Confined Soil™ (GCS®) Components (31 32 36 11-0001)

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of the See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction	23.75
		Note: Installation sold per square face foot (excludes materials)	
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75

31 32 36 11-0011

Turf (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0012

Permanent Turf Reinforcing Mat (TRM) (31 32 36 11-0011)

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat.....	1.50
		Note: sold per square face foot	

31 32 36 11-0014

Biodegradable Turf Reinforcing Mat (TRM) (31 32 36 11-0011)

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat.....	0.75
		Note: sold per square face foot	

31 32 36 11-0016

Shotcrete or Gunite (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31	31 Earthwork
	31 30 Earthwork Methods
	31 32 Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0017	<p>Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 11-0016)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100</p> <p>Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying</p>		
31 32 36 11-0018	<p>SFI Wet-Mix Reinforced Shotcrete .....5.50</p> <p>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).</p>		



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0019	<p>Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 11-0016)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100</p> <p>Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6</p>	8.50
31 32 36 11-0020	<p>SFI Dry-Mix Reinforced Gunite 8.50</p> <p>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).</p>	
31 32 36 11-0021	<p>Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 11-0016)</small></p>	
31 32 36 11-0022	<p>SFI Steel Fiber Reinforcement 1.25</p> <p>Note: sold per inch thickness over one square face foot of area</p>	
31 32 36 11-0023	<p>Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 11-0001)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>	
31 32 36 11-0024	<p>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 11-0023)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 11-0025	<p>SF High Capacity Diamond Mesh 11.00</p> <p>Note: sold per square face foot</p>	
31 32 36 11-0026	<p>SF Double Twist Wire Mesh 13.75</p> <p>Note: sold per square face foot</p>	
31 32 36 11-0027	<p>Steel Plates <small>(31 32 36 11-0023)</small></p>	
31 32 36 11-0028	EA Galvanized Steel Plates (8x8) 35.00	
31 32 36 11-0029	EA Galvanized Steel Plates (10x10) 54.75	
31 32 36 11-0030	EA Galvanized Steel Plates (12x12) 78.75	
31 32 36 11-0031	EA Epoxy Coated Steel Plates (8x8) 76.00	
31 32 36 11-0032	EA Epoxy Coated Steel Plates (10x10) 89.25	
31 32 36 11-0033	EA Epoxy Coated Steel Plates (12x12) 105.25	



MINOR
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31 32 36 11-0034	Drilled Horizontal Drains <small>(31 32 36 11-0001)</small>		
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0035	LF Drilled PVC Horizontal Drains (up to 2" Diameter).....	26.00	
31 32 36 11-0036	LF Stripdrain - 6" Wide.....	3.25	
31 32 36 11-0037	LF Stripdrain - 12" Wide.....	4.00	
31 32 36 11-0038	LF PVC Drain Collector Pipe System.....	26.75	

31 32 36 11-0039	Rockfall Stabilization <small>(31 32 36 11-0001)</small>		
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0040	SF Scaling.....	3.75	
31 32 36 11-0041	SF Trim Blasting.....	155.00	
31 32 36 11-0042	SY Slope Drape - Double Twist Wire Mesh.....	45.00	
31 32 36 11-0043	SY Slope Drape - Cable Net.....	135.00	
31 32 36 11-0044	SY Slope Drape - Tecco Mesh (4mm).....	135.00	
31 32 36 11-0045	LF Temporary Rockfall Barrier.....	500.00	
31 32 36 11-0046	LF Low Reach Drilling (<25 feet).....	25.00	
31 32 36 11-0047	LF High Reach Drilling (>25 feet).....	45.00	
31 32 36 11-0048	LF Limited Access Drilling.....	100.00	
31 32 36 11-0049	LF F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized).....	18.50	
31 32 36 11-0050	LF F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated).....	15.25	
31 32 36 11-0051	LF F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized).....	23.25	
31 32 36 11-0052	LF F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated).....	17.25	
31 32 36 11-0053	LF F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized).....	23.50	
31 32 36 11-0054	LF F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated).....	18.75	
31 32 36 11-0055	LF F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized).....	26.50	
31 32 36 11-0056	LF F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated).....	21.00	
31 32 36 11-0057	LF F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized).....	29.25	
31 32 36 11-0058	LF F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated).....	21.00	
31 32 36 11-0059	LF F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized).....	34.50	
31 32 36 11-0060	LF F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated).....	31.75	
31 32 36 11-0061	EA Rock Anchor Testing.....	825.00	

31 32 36 11-0062	Mobilization / Demobilization <small>(31 32 36 11-0001)</small>		
31 32 36 11-0063	EA Mobilization - In State.....	10,000.00	
31 32 36 11-0064	EA Mobilization - Out Of State.....	25,000.00	
31 32 36 11-0065	EA Mobilization - Specialty Equipment Adder.....	9,800.00	

31 32 36 11-0066	Daily Crew Rates (DCR) <small>(31 32 36 11-0001)</small>		
31 32 36 11-0067	DAY Soils Stabilization Crew - DCR , Per Workday.....	13,150.00	
31 32 36 11-0068	DAY Rockfall Stabilization Crew - DCR, Per Workday.....	15,200.00	
31 32 36 11-0069	DAY Compaction Grouting Crew - DCR, Per Workday.....	12,925.00	
31 32 36 11-0070	DAY Additional Crew Member/Crew - DCR, Per Workday.....	2,050.00	
31 32 36 11-0071	EA Out of State Crew Rotation.....	4,950.00	
31 32 36 11-0072	EA Spider Excavation.....	5,500.00	

31 32 36 13 Driven Soil Nailing (31 32 36)

31 32 36 13-0001	Large Diameter Micropiles <small>(31 32 36 13)</small>		
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF 5" Micropiles (with up to 5.5" steel casing).....	94.50	
31 32 36 13-0003	LF 7" Micropiles (with up to 7.625" steel casing).....	130.25	
31 32 36 13-0004	LF 10" Micropiles (with up to 9.625" steel casing).....	166.50	
31 32 36 13-0005	LF 12" Micropiles (with up to 11.875" steel casing).....	213.25	

31 32 36 16 Grouted Soil Nailing (31 32 36)

31 32 36 16-0001	Grouting <small>(31 32 36 16)</small>		
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

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31 32 36 16-0002

Compaction Grouting (31 32 36 16-0001)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation.....	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification.....	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill.....	39.00

31 32 36 16-0006

Polyurethane Grouting (31 32 36 16-0001)

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling.....	11.50
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31 32 36 19

Corrosion-Protected Soil Nailing (31 32 36)

31 32 36 19-0001

Self-Drilling SuperNails® / SuperMicropiles™ (31 32 36 19)

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002

Self-Drilling SuperNails® (31 32 36 19-0001)

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length.....	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length.....	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length.....	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length.....	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length.....	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length.....	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length.....	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length.....	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar	129.50

31	31 Earthwork
	31 30 Earthwork Methods
	31 32 Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 19-0012	SuperNail® Testing <small>(31 32 36 19)</small>	
	Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 19-0013	EA SuperNail® Proof Testing	769.00
31 32 36 19-0014	EA SuperNail® Verification Testing	2,339.75

31 32 36 26 Launched Soil Nailing (31 32 36)

31 32 36 26-0001	Launched SuperDrain™ (Horizontal Drains) <small>(31 32 36 26)</small>	
	Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 26-0002	EA GalvaDized™ SuperDrain™ - Up To 20'	605.00
	Note: perforated GalvaDized™ steel tube up to 20 ft. length.	
31 32 36 26-0003	EA Fiberglass SuperNail® - Up To 20'	621.50
	Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0004	EA GalvaDized™ SuperNail® - Up To 20'	478.50
	Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	
31 32 36 26-0005	EA Temporary Launched Soil Nail	379.50
	Note: bare steel tube up to 20 ft. length.	
31 32 36 26-0006	EA Fiberglass SuperDrain™	495.00
	Note: perforated fiberglass tube up to 20 ft. length.	
31 32 36 26-0007	EA GalvaDized™ SuperDrain™	379.50
	Note: perforated GalvaDized™ steel tube up to 20 ft. length.	

31 32 36 29 Drilled Soil Nailing (31 32 36)

31 32 36 29-0001	Drilled SuperNails® (Permanently Cased Soil Nails) <small>(31 32 36 29)</small>	
	Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).	
31 32 36 29-0002	EA Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0003	EA Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0004	EA Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0005	EA Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0006	EA Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0007	EA Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0008	EA Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	
31 32 36 29-0009	EA Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75
	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	

31 32 36 33 Drilled / Launched Soil Nailing (31 32 36)

31 32 36 33-0001	Drilled / Launched SuperMicropiles™ <small>(31 32 36 33)</small>	
	Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.	
31 32 36 33-0002	EA Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00
	Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	
31 32 36 33-0003	EA Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00
	Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	



	Earthwork	31	
	Earthwork Methods	31 30	13
	Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length.....	1,280.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length.....	1,540.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		

31 35 Slope Protection (31 30)

31 35 19 Geosynthetic Slope Protection (31 35)

31 35 19 19 Slope Protection with Mulch Control Netting (31 35 19)

31 35 19 19-0001 Erosion Control Fabric (31 35 19 19)

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900).....	5.32	
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31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	75.91	
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	89.80	
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	108.83	
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	128.37	
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	150.65	
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	206.37	
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	261.01	

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 37 13 Machined Riprap (31 37)

31 37 13 00-0001 Random - Filter Stone (31 37 13)

31 37 13 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	90.17	
		For Chinking Material, Add	14.31	
31 37 13 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	105.65	
		For Chinking Material, Add	14.31	
31 37 13 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	112.94	
		For Chinking Material, Add	14.31	
31 37 13 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	121.24	
		For Chinking Material, Add	14.31	
31 37 13 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	127.93	
		For Chinking Material, Add	14.31	
31 37 13 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	138.87	
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	155.09	
31 37 13 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	59.23	
31 37 13 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	69.05	
31 37 13 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	73.68	
31 37 13 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	78.95	
31 37 13 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	83.20	
31 37 13 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	90.23	
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	103.58	

31 40 Shoring and Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	13.90	
		For Wood Sheeting Left In Place	-1.60	
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	15.06	
		For Wood Sheeting Left In Place	-1.84	
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	16.34	
		For Wood Sheeting Left In Place	-2.09	
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	17.71	
		For Wood Sheeting Left In Place	-2.38	
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	19.20	
		For Wood Sheeting Left In Place	-2.69	

31	31	Earthwork
	31 40	Shoring and Underpinning
	31 41	Shoring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 13 00-0008 SF 18' Deep Excavation, Wood Shoring, Pull And Salvage	20.82	
For Wood Sheeting Left In Place	-3.04	
31 41 13 00-0009 SF 20' Deep Excavation, Wood Shoring, Pull And Salvage	22.60	
For Wood Sheeting Left In Place	-3.41	
31 41 16 Sheet Piling (31 41)		
31 41 16 13 Steel Sheet Piling (31 41 16)		
31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage (31 41 16 13)		
Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.		
31 41 16 13-0002 TON Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,256.22	
For Standard Sheeting Left In Place, Add	1,199.65	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,154.01	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70	
For High Strength Sheeting 55,000 PSI Grade, Add	114.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73	
For Each Additional Month >3 Months, Add	57.05	
31 41 16 13-0003 TON Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,347.03	
For Standard Sheeting Left In Place, Add	1,154.25	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,108.61	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70	
For High Strength Sheeting 55,000 PSI Grade, Add	114.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73	
For Each Additional Month >3 Months, Add	57.05	
31 41 16 13-0004 TON Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,769.25	
For Standard Sheeting Left In Place, Add	943.14	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	897.50	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70	
For High Strength Sheeting 55,000 PSI Grade, Add	114.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73	
For Each Additional Month >3 Months, Add	57.05	
31 41 16 13-0005 TON Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,175.54	
For Standard Sheeting Left In Place, Add	739.99	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	694.35	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70	
For High Strength Sheeting 55,000 PSI Grade, Add	114.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73	
For Each Additional Month >3 Months, Add	57.05	
31 41 16 13-0006 TON Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,414.53	
For Standard Sheeting Left In Place, Add	620.50	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	574.86	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70	
For High Strength Sheeting 55,000 PSI Grade, Add	114.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73	
For Each Additional Month >3 Months, Add	57.05	
31 41 16 13-0007 TON Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,658.31	
For Standard Sheeting Left In Place, Add	498.61	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	452.97	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	102.70	
For High Strength Sheeting 55,000 PSI Grade, Add	114.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	353.73	
For Each Additional Month >3 Months, Add	57.05	
31 43 Concrete Raising (31 40)		
31 43 13 Pressure Grouting (31 43)		
31 43 13 16 Polyurethane Pressure Grouting (31 43 13)		
31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling (31 43 13 16)		
31 43 13 16-0002 EA Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge	3,664.51	
31 43 13 16-0003 LB Up To 1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling	30.04	
Note: Per pound of material.		
31 43 13 16-0004 LB >1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling	25.17	
Note: Per pound of material.		
31 45 Vibroflotation and Densification (31 40)		
31 45 13 Vibroflotation (31 45)		
31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation	16.48	
31 48 Underpinning (31 40)		
31 48 33 Micropile Underpinning (31 48)		
31 48 33 00-0001 Augered Micro-Pile And Grout System (31 48 33)		
31 48 33 00-0002 EA Micro-Pile Mobilization Per Job	2,605.34	
31 48 33 00-0003 EA Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location	651.34	



Earthwork	31	13
Shoring and Underpinning	31 40	
Underpinning	31 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 48 33 00-0004 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	368.89	
31 48 33 00-0005 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	450.30	
31 48 33 00-0006 EA Pile Load Test.....	3,256.68	

31 50 Excavation Support and Protection ⁽³¹⁾

31 52 Cofferdams ^(31 50)

31 52 21 Portable Cofferdams ^(31 52)

31 52 21 00-0001	Portable Cofferdams ^(31 52 21) Note: Excludes dewatering and pumps.	
31 52 21 00-0002	Portable Cofferdam Rental ^(31 52 21 00-0001) Note: Excludes delivery and installation.	
31 52 21 00-0003 LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	50.18
31 52 21 00-0004 LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	64.23
31 52 21 00-0005 LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	90.32
31 52 21 00-0006 LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	116.42
31 52 21 00-0007 LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	150.54
31 52 21 00-0008 LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	301.08
31 52 21 00-0009 LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	421.51
31 52 21 00-0010 LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	596.14
31 52 21 00-0011	Portable Cofferdam Delivery And Set-up ^(31 52 21 00-0001) Note: Excludes crane usage where required. See CSI section 01 22 23 00-0937 for crane lifting equipment.	
31 52 21 00-0012 LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	11.25
31 52 21 00-0013 LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	18.00
31 52 21 00-0014 LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	27.00
31 52 21 00-0015 LF	16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	36.00
31 52 21 00-0016 LF	Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	6.75
31 52 21 00-0017 LF	6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	11.25
31 52 21 00-0018 LF	10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	18.00
31 52 21 00-0019 LF	16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water	24.75
31 52 21 00-0020	Portable Cofferdam Repositioning ^(31 52 21 00-0001)	
31 52 21 00-0021 LF	Up To 5' High, Portable Cofferdam, Repositioning	5.63
31 52 21 00-0022 LF	6' To 8' High, Portable Cofferdam, Repositioning	9.00
31 52 21 00-0023 LF	10' To 12' High, Portable Cofferdam, Repositioning	13.50
31 52 21 00-0024 LF	16' High, Portable Cofferdam, Repositioning	18.00

31 60 Special Foundations and Load-bearing Elements ⁽³¹⁾

31 62 Driven Piles ^(31 60)

31 62 13 Concrete Piles ^(31 62)

31 62 13 23 Prestressed Concrete Piles ^(31 62 13)

31 62 13 23-0001	Square Prestressed Driven Concrete Piles ^(31 62 13 23)	
31 62 13 23-0002 VLF	10" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	35.36 17.10
31 62 13 23-0003 VLF	12" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	44.39 19.28
31 62 13 23-0004 VLF	14" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	53.83 21.21
31 62 13 23-0005 VLF	16" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	65.96 23.56
31 62 13 23-0006 VLF	18" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	80.08 26.27
31 62 13 23-0007 VLF	20" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	92.65 29.05
31 62 13 23-0008 VLF	24" Square Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	118.21 33.41
31 62 13 23-0009	Octagonal Prestressed Driven Concrete Piles ^(31 62 13 23)	
31 62 13 23-0010 VLF	12" Octagonal Prestressed Driven Concrete Pile <i>For Piles Driven In Water, Add</i>	39.74 17.94

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0011 VLF 14" Octagonal Prestressed Driven Concrete Pile	48.78	
<i>For Piles Driven In Water, Add</i>	19.72	
31 62 13 23-0012 VLF 16" Octagonal Prestressed Driven Concrete Pile	57.96	
<i>For Piles Driven In Water, Add</i>	21.63	
31 62 13 23-0013 VLF 18" Octagonal Prestressed Driven Concrete Pile	69.31	
<i>For Piles Driven In Water, Add</i>	23.90	
31 62 13 23-0014 VLF 20" Octagonal Prestressed Driven Concrete Pile	73.77	
<i>For Piles Driven In Water, Add</i>	25.64	
31 62 13 23-0015 VLF 24" Octagonal Prestressed Driven Concrete Pile	78.50	
<i>For Piles Driven In Water, Add</i>	27.63	
31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles (31 62 13 23)		
31 62 13 23-0017 VLF 12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	57.10	
<i>For Piles Driven In Water, Add</i>	18.90	
31 62 13 23-0018 VLF 14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	67.65	
<i>For Piles Driven In Water, Add</i>	20.73	
31 62 13 23-0019 VLF 16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	80.14	
<i>For Piles Driven In Water, Add</i>	22.86	
31 62 13 23-0020 VLF 18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	90.67	
<i>For Piles Driven In Water, Add</i>	24.90	
31 62 13 23-0021 VLF 20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	113.94	
<i>For Piles Driven In Water, Add</i>	28.36	
31 62 13 23-0022 VLF 24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	140.79	
<i>For Piles Driven In Water, Add</i>	32.34	
31 62 16 Steel Piles (31 62)		
31 62 16 16 Steel H Piles (31 62 16)		
31 62 16 16-0001 Rolled, Driven Steel H Piles (31 62 16 16)		
31 62 16 16-0002 VLF 8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile.....	35.45	
<i>For Piles Driven In Water, Add</i>	18.39	
31 62 16 16-0003 VLF 10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile	39.43	
<i>For Piles Driven In Water, Add</i>	19.52	
31 62 16 16-0004 VLF 10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile.....	47.33	
<i>For Piles Driven In Water, Add</i>	20.31	
31 62 16 16-0005 VLF 12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile.....	45.73	
<i>For Piles Driven In Water, Add</i>	20.61	
31 62 16 16-0006 VLF 12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile.....	51.00	
<i>For Piles Driven In Water, Add</i>	21.14	
31 62 16 16-0007 VLF 12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile.....	58.27	
<i>For Piles Driven In Water, Add</i>	23.20	
31 62 16 16-0008 VLF 12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile	63.54	
<i>For Piles Driven In Water, Add</i>	23.72	
31 62 16 16-0009 VLF 14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile.....	58.22	
<i>For Piles Driven In Water, Add</i>	23.62	
31 62 16 16-0010 VLF 14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile.....	67.18	
<i>For Piles Driven In Water, Add</i>	24.52	
31 62 16 16-0011 VLF 14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile.....	75.16	
<i>For Piles Driven In Water, Add</i>	26.81	
31 62 16 16-0012 VLF 14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile.....	83.58	
<i>For Piles Driven In Water, Add</i>	27.65	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)		
31 62 16 16-0014 Rolled Steel H Pile Splices (31 62 16 16-0013)		
31 62 16 16-0015 EA 8" Rolled Steel H Pile Splice	311.70	
31 62 16 16-0016 EA 10" Rolled Steel H Pile Splice	349.11	
31 62 16 16-0017 EA 12" Rolled Steel H Pile Splice	478.85	
31 62 16 16-0018 EA 14" Rolled Steel H Pile Splice	497.56	
31 62 16 16-0019 Rolled Steel H Driving Caps (31 62 16 16-0013)		
31 62 16 16-0020 EA 8" Rolled Steel H Driving Cap	3,110.94	
31 62 16 16-0021 EA 10" Rolled Steel H Driving Cap.....	3,110.94	
31 62 16 16-0022 EA 12" Rolled Steel H Driving Cap.....	3,169.23	
31 62 16 16-0023 EA 14" Rolled Steel H Driving Cap.....	4,759.00	
31 62 16 16-0024 Rolled Steel H Standard Pile Points (31 62 16 16-0013)		
31 62 16 16-0025 EA 8" Rolled Steel H Standard Pile Point	330.41	
31 62 16 16-0026 EA 10" Rolled Steel H Standard Pile Point.....	349.11	
31 62 16 16-0027 EA 12" Rolled Steel H Standard Pile Point.....	478.85	
31 62 16 16-0028 EA 14" Rolled Steel H Standard Pile Point.....	534.96	
31 62 16 16-0029 EA 10" Rolled Steel H Standard Pile Point.....	478.85	
31 62 16 16-0030 EA 14" Rolled Steel H Standard Pile Point.....	571.19	

31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0001 Unfilled Tubular Driven Steel Piles <small>(31 62 16 19)</small>		
31 62 16 19-0002 VLF 8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile	62.86	
<i>For Piles Driven In Water, Add</i>	25.28	
31 62 16 19-0003 VLF 8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile	73.30	
<i>For Piles Driven In Water, Add</i>	26.32	
31 62 16 19-0004 VLF 8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile	84.57	
<i>For Piles Driven In Water, Add</i>	27.45	
31 62 16 19-0005 VLF 10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile	73.30	
<i>For Piles Driven In Water, Add</i>	26.32	
31 62 16 19-0006 VLF 10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile	83.22	
<i>For Piles Driven In Water, Add</i>	27.31	
31 62 16 19-0007 VLF 10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	105.14	
<i>For Piles Driven In Water, Add</i>	29.50	
31 62 16 19-0008 VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile	86.70	
<i>For Piles Driven In Water, Add</i>	28.66	
31 62 16 19-0009 VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile	98.31	
<i>For Piles Driven In Water, Add</i>	29.82	
31 62 16 19-0010 VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile	104.76	
<i>For Piles Driven In Water, Add</i>	30.47	
31 62 16 19-0011 VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile	122.82	
<i>For Piles Driven In Water, Add</i>	32.27	
31 62 16 19-0012 VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile	93.67	
<i>For Piles Driven In Water, Add</i>	31.45	
31 62 16 19-0013 VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	106.81	
<i>For Piles Driven In Water, Add</i>	32.77	
31 62 16 19-0014 VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile	119.94	
<i>For Piles Driven In Water, Add</i>	34.08	
31 62 16 19-0015 VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile	133.08	
<i>For Piles Driven In Water, Add</i>	35.39	
31 62 16 19-0016 VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile	104.20	
<i>For Piles Driven In Water, Add</i>	35.09	
31 62 16 19-0017 VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile	119.56	
<i>For Piles Driven In Water, Add</i>	36.63	
31 62 16 19-0018 VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile	149.50	
<i>For Piles Driven In Water, Add</i>	39.62	
31 62 16 19-0019 VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile	129.49	
<i>For Piles Driven In Water, Add</i>	39.71	
31 62 16 19-0020 VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile	149.44	
<i>For Piles Driven In Water, Add</i>	41.70	
31 62 16 19-0021 VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile	187.34	
<i>For Piles Driven In Water, Add</i>	45.49	
31 62 16 19-0022 Splices And Points For Pipe Piles <small>(31 62 16 19)</small>		
31 62 16 19-0023 Steel Pipe Pile Splices <small>(31 62 16 19-0022)</small>		
31 62 16 19-0024 EA 8" Diameter, Steel Pipe Pile Splice	502.15	
31 62 16 19-0025 EA 10" Diameter, Steel Pipe Pile Splice	571.71	
31 62 16 19-0026 EA 12" Diameter, Steel Pipe Pile Splice	712.63	
31 62 16 19-0027 EA 14" Diameter, Steel Pipe Pile Splice	781.23	
31 62 16 19-0028 EA 16" Diameter, Steel Pipe Pile Splice	989.44	
31 62 16 19-0029 EA 18" Diameter, Steel Pipe Pile Splice	1,239.31	
31 62 16 19-0030 Steel Pipe Standard Pile Points <small>(31 62 16 19-0022)</small>		
31 62 16 19-0031 EA 8" Diameter, Steel Pipe Standard Pile Point	436.96	
31 62 16 19-0032 EA 10" Diameter, Steel Pipe Standard Pile Point	492.67	
31 62 16 19-0033 EA 12" Diameter, Steel Pipe Standard Pile Point	571.16	
31 62 16 19-0034 EA 14" Diameter, Steel Pipe Standard Pile Point	724.37	
31 62 16 19-0035 EA 16" Diameter, Steel Pipe Standard Pile Point	863.65	
31 62 16 19-0036 EA 18" Diameter, Steel Pipe Standard Pile Point	984.43	
31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points <small>(31 62 16 19-0022)</small>		
31 62 16 19-0038 EA 10" Diameter, Steel Pipe Heavy Duty Pile Point	606.02	
31 62 16 19-0039 EA 12" Diameter, Steel Pipe Heavy Duty Pile Point	675.66	
31 62 16 19-0040 EA 14" Diameter, Steel Pipe Heavy Duty Pile Point	776.99	
31 62 16 19-0041 EA 16" Diameter, Steel Pipe Heavy Duty Pile Point	1,055.55	
31 62 16 19-0042 EA 18" Diameter, Steel Pipe Heavy Duty Pile Point	1,256.33	
31 62 19 Timber Piles <small>(31 62)</small>		
31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles <small>(31 62 19)</small>		
Note: 12 LB Penta-treated/CF.		
31 62 19 00-0002 LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	33.41	
<i>For Piles Driven In Water, Add</i>	16.54	
<i>For Untreated Pile, Deduct</i>	-6.94	
<i>For Each Pile Tip Point, Add</i>	12.50	
<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
<i>For Each Splice For Pile >50', Add</i>	139.40	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile		35.45	
		<i>For Piles Driven In Water, Add</i>		18.39	
		<i>For Untreated Pile, Deduct</i>		-7.02	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile		37.41	
		<i>For Piles Driven In Water, Add</i>		19.57	
		<i>For Untreated Pile, Deduct</i>		-7.33	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile		40.49	
		<i>For Piles Driven In Water, Add</i>		21.85	
		<i>For Untreated Pile, Deduct</i>		-7.66	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile		49.69	
		<i>For Piles Driven In Water, Add</i>		24.75	
		<i>For Untreated Pile, Deduct</i>		-10.25	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile		61.82	
		<i>For Piles Driven In Water, Add</i>		29.92	
		<i>For Untreated Pile, Deduct</i>		-13.11	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	

31 62 23 Composite Piles (31 62)**31 62 23 13 Concrete-Filled Steel Piles (31 62 23)****31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)**

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile	66.78	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	7.18	
		<i>For Piles Driven In Water, Add</i>	27.32	
31 62 23 13-0003	VLF	8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile	77.22	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.23	
		<i>For Piles Driven In Water, Add</i>	28.37	
31 62 23 13-0004	VLF	8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile	88.49	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.36	
		<i>For Piles Driven In Water, Add</i>	29.50	
31 62 23 13-0005	VLF	10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile	78.95	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.91	
		<i>For Piles Driven In Water, Add</i>	29.00	
31 62 23 13-0006	VLF	10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile	88.87	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	10.90	
		<i>For Piles Driven In Water, Add</i>	29.99	
31 62 23 13-0007	VLF	10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	110.79	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.09	
		<i>For Piles Driven In Water, Add</i>	32.18	
31 62 23 13-0008	VLF	12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile	94.64	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.21	
		<i>For Piles Driven In Water, Add</i>	32.35	
31 62 23 13-0009	VLF	12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile	106.25	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	14.37	
		<i>For Piles Driven In Water, Add</i>	33.51	
31 62 23 13-0010	VLF	12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile	112.70	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	15.02	
		<i>For Piles Driven In Water, Add</i>	34.16	
31 62 23 13-0011	VLF	12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile	130.76	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	16.82	
		<i>For Piles Driven In Water, Add</i>	35.96	
31 62 23 13-0012	VLF	14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile	104.49	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	16.03	
		<i>For Piles Driven In Water, Add</i>	37.21	
31 62 23 13-0013	VLF	14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	117.63	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	17.34	
		<i>For Piles Driven In Water, Add</i>	38.52	
31 62 23 13-0014	VLF	14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile	130.76	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	18.65	
		<i>For Piles Driven In Water, Add</i>	39.83	
31 62 23 13-0015	VLF	14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile	143.90	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	19.97	
		<i>For Piles Driven In Water, Add</i>	41.15	
31 62 23 13-0016	VLF	16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile	115.73	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	19.59	
		<i>For Piles Driven In Water, Add</i>	39.92	
31 62 23 13-0017	VLF	16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile	131.09	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	21.13	
		<i>For Piles Driven In Water, Add</i>	41.46	



Earthwork	31	
Special Foundations and Load-bearing Elements	31 60	13
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0018 VLF 16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	161.03 24.12 44.45	
31 62 23 13-0019 VLF 18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	143.30 25.09 44.97	
31 62 23 13-0020 VLF 18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	163.25 27.08 46.96	
31 62 23 13-0021 VLF 18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile..... <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i>	201.15 30.87 50.75	
31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small> Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023 VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	89.48 24.78	
31 62 23 13-0024 VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	109.13 27.88	
31 62 23 13-0025 VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	123.75 30.64	
31 62 23 13-0026 VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	134.63 33.25	
31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small> Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028 VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	87.71 24.60	
31 62 23 13-0029 VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	89.85 25.95	
31 62 23 13-0030 VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	110.24 29.29	
31 62 23 13-0031 VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	127.49 32.53	
31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles <small>(31 62 23 13)</small>		
31 62 23 13-0033 VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	51.78 18.53 0.09	
31 62 23 13-0034 VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	57.14 20.56 0.10	
31 62 23 13-0035 VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	62.45 22.57 0.11	
31 62 23 13-0036 VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	67.80 24.58 0.12	
31 62 23 13-0037 VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	73.17 26.61 0.13	
31 63 Bored Piles <small>(31 60)</small>		
31 63 36 Drilled Steel Piles <small>(31 63)</small>		
31 63 36 00-0001 Drill Hole <small>(31 63 36)</small> Note: Excludes removal of excess material.		
31 63 36 00-0002 Drilling Mobilization <small>(31 63 36 00-0001)</small>		
31 63 36 00-0003 EA >12" To 24" Diameter Hole, Drilling Mobilization	977.00	
31 63 36 00-0004 EA >24" Diameter Hole, Drilling Mobilization	1,302.67	
31 63 36 00-0005 Drill Hole In Soil <small>(31 63 36 00-0001)</small>		
31 63 36 00-0006 LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole	55.57	
31 63 36 00-0007 LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole	64.62	
31 63 36 00-0008 LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole	75.92	
31 63 36 00-0009 LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole	89.49	
31 63 36 00-0010 LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole	96.73	
31 63 36 00-0011 LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole	106.43	
31 63 36 00-0012 LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole	116.58	
31 63 36 00-0013 Steel H Piles <small>(31 63 36)</small>		
31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles <small>(31 63 36 00-0013)</small> Note: Includes guides, bracing and alignment.		

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0015 VLF 8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	32.01	
For >2,400 To 3,600, Deduct	-1.13	
For >3,600 To 4,800, Deduct	-2.25	
For >4,800 To 6,000, Deduct	-3.85	
For >6,000, Deduct	-5.45	
31 63 36 00-0016 VLF 10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	35.82	
For >2,400 To 3,600, Deduct	-1.24	
For >3,600 To 4,800, Deduct	-2.48	
For >4,800 To 6,000, Deduct	-4.27	
For >6,000, Deduct	-6.06	
31 63 36 00-0017 VLF 10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	43.72	
For >2,400 To 3,600, Deduct	-1.44	
For >3,600 To 4,800, Deduct	-2.87	
For >4,800 To 6,000, Deduct	-5.06	
For >6,000, Deduct	-7.24	
31 63 36 00-0018 VLF 12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	42.01	
For >2,400 To 3,600, Deduct	-1.40	
For >3,600 To 4,800, Deduct	-2.81	
For >4,800 To 6,000, Deduct	-4.91	
For >6,000, Deduct	-7.01	
31 63 36 00-0019 VLF 12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	47.28	
For >2,400 To 3,600, Deduct	-1.53	
For >3,600 To 4,800, Deduct	-3.07	
For >4,800 To 6,000, Deduct	-5.43	
For >6,000, Deduct	-7.80	
31 63 36 00-0020 VLF 12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	54.25	
For >2,400 To 3,600, Deduct	-1.74	
For >3,600 To 4,800, Deduct	-3.48	
For >4,800 To 6,000, Deduct	-6.19	
For >6,000, Deduct	-8.90	
31 63 36 00-0021 VLF 12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	59.52	
For >2,400 To 3,600, Deduct	-1.87	
For >3,600 To 4,800, Deduct	-3.74	
For >4,800 To 6,000, Deduct	-6.72	
For >6,000, Deduct	-9.69	
31 63 36 00-0022 VLF 14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	54.09	
For >2,400 To 3,600, Deduct	-1.74	
For >3,600 To 4,800, Deduct	-3.49	
For >4,800 To 6,000, Deduct	-6.19	
For >6,000, Deduct	-8.90	
31 63 36 00-0023 VLF 14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	63.05	
For >2,400 To 3,600, Deduct	-1.97	
For >3,600 To 4,800, Deduct	-3.94	
For >4,800 To 6,000, Deduct	-7.09	
For >6,000, Deduct	-10.24	
31 63 36 00-0024 VLF 14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	70.68	
For >2,400 To 3,600, Deduct	-2.19	
For >3,600 To 4,800, Deduct	-4.38	
For >4,800 To 6,000, Deduct	-7.92	
For >6,000, Deduct	-11.45	
31 63 36 00-0025 VLF 14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	79.10	
For >2,400 To 3,600, Deduct	-2.40	
For >3,600 To 4,800, Deduct	-4.80	
For >4,800 To 6,000, Deduct	-8.76	
For >6,000, Deduct	-12.71	
31 63 36 00-0026 Welded Steel Stud Pins <small>(31 63 36 00-0013)</small>		
Note: Includes welding to steel piles.		
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	14.58	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.60	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Steel Stud Pins.....	17.14	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.80	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Steel Stud Pins.....	19.61	
For >50 To 150, Deduct	-0.60	
For >150 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.98	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	16.71	
For >50 To 150, Deduct	-0.63	
For >150 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-2.10	
For >500, Deduct	-2.84	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Steel Stud Pins.....	20.59	
For >50 To 150, Deduct	-0.63	
For >150 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-3.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins	23.31	
<i>For >50 To 150, Deduct</i>	-0.63	
<i>For >150 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-2.43	
<i>For >500, Deduct</i>	-3.33	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	19.53	
<i>For >50 To 150, Deduct</i>	-0.66	
<i>For >150 To 250, Deduct</i>	-1.48	
<i>For >250 To 500, Deduct</i>	-2.30	
<i>For >500, Deduct</i>	-3.12	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins	25.85	
<i>For >50 To 150, Deduct</i>	-0.66	
<i>For >150 To 250, Deduct</i>	-1.64	
<i>For >250 To 500, Deduct</i>	-2.61	
<i>For >500, Deduct</i>	-3.59	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins	28.94	
<i>For >50 To 150, Deduct</i>	-0.66	
<i>For >150 To 250, Deduct</i>	-1.72	
<i>For >250 To 500, Deduct</i>	-2.77	
<i>For >500, Deduct</i>	-3.82	
31 63 36 00-0036 Concrete Fill ^(31 63 36)		
See CSI section 03 37 16 00-0001 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile	43.28	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile	48.07	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile	52.88	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile	57.71	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.50	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.31	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile	79.35	

31 64 Caissons ^(31 60)

31 64 13 Box Caissons ^(31 64)

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water ^(31 64 13)
 Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground ^(31 64 13 00-0001)
 Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water	57.91	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	5.58	
<i>For >100' To 150' Deep, Add</i>	14.48	
<i>For >150' To 200' Deep, Add</i>	19.28	
<i>For Right Angle Drilling, Add</i>	15.50	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water	72.30	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	7.62	
<i>For >100' To 150' Deep, Add</i>	18.08	
<i>For >150' To 200' Deep, Add</i>	24.89	
<i>For Right Angle Drilling, Add</i>	17.32	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water	101.96	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	11.21	
<i>For >100' To 150' Deep, Add</i>	25.49	
<i>For >150' To 200' Deep, Add</i>	35.68	
<i>For Right Angle Drilling, Add</i>	22.95	
31 64 13 00-0006 VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water	134.53	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	15.28	
<i>For >100' To 150' Deep, Add</i>	33.63	
<i>For >150' To 200' Deep, Add</i>	47.69	
<i>For Right Angle Drilling, Add</i>	28.77	
31 64 13 00-0007 VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water	171.84	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	20.23	
<i>For >100' To 150' Deep, Add</i>	42.96	
<i>For >150' To 200' Deep, Add</i>	61.81	
<i>For Right Angle Drilling, Add</i>	34.51	
31 64 13 00-0008 VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water	206.34	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	24.74	
<i>For >100' To 150' Deep, Add</i>	51.59	
<i>For >150' To 200' Deep, Add</i>	74.77	
<i>For Right Angle Drilling, Add</i>	40.04	
31 64 13 00-0009 VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water	248.35	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
<i>For >50' To 100' Deep, Add</i>	30.70	
<i>For >100' To 150' Deep, Add</i>	62.09	
<i>For >150' To 200' Deep, Add</i>	91.15	
<i>For Right Angle Drilling, Add</i>	45.32	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0010 VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water .....291.10 Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF. For >50' To 100' Deep, Add 36.77 For >100' To 150' Deep, Add 72.78 For >150' To 200' Deep, Add 107.82 For Right Angle Drilling, Add 50.67		
31 64 13 00-0011 VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water .....339.50 Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF. For >50' To 100' Deep, Add 43.59 For >100' To 150' Deep, Add 84.88 For >150' To 200' Deep, Add 126.64 For Right Angle Drilling, Add 56.86		
31 64 13 00-0012 VLF 72" Diameter Caisson No Casing Stable Ground, No Ground Water .....395.03 Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF. For >50' To 100' Deep, Add 51.49 For >100' To 150' Deep, Add 98.76 For >150' To 200' Deep, Add 148.31 For Right Angle Drilling, Add 63.76		
31 64 13 00-0013 VLF 78" Diameter Caisson No Casing Stable Ground, No Ground Water .....450.24 Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF. For >50' To 100' Deep, Add 59.50 For >100' To 150' Deep, Add 112.56 For >150' To 200' Deep, Add 170.05 For Right Angle Drilling, Add 70.15		
31 64 13 00-0014 VLF 84" Diameter Caisson No Casing Stable Ground, No Ground Water .....509.13 Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF. For >50' To 100' Deep, Add 68.09 For >100' To 150' Deep, Add 127.28 For >150' To 200' Deep, Add 193.30 For Right Angle Drilling, Add 76.79		
31 64 13 00-0015 For Bell Excavation And Concrete, Add (31 64 13 00-0001)		
31 64 13 00-0016 EA Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY .....448.54 For >50' To 100' Deep, Add 36.23 For >100' To 150' Deep, Add 112.14 For >150' To 200' Deep, Add 140.60		
31 64 13 00-0017 EA Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY .....1,576.67 For >50' To 100' Deep, Add 127.55 For >100' To 150' Deep, Add 394.17 For >150' To 200' Deep, Add 494.49		
31 64 13 00-0018 EA Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY .....2,382.42 For >50' To 100' Deep, Add 195.68 For >100' To 150' Deep, Add 595.61 For >150' To 200' Deep, Add 750.87		
31 64 13 00-0019 EA Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY .....3,306.63 For >50' To 100' Deep, Add 272.10 For >100' To 150' Deep, Add 826.66 For >150' To 200' Deep, Add 1,042.79		
31 64 13 00-0020 EA Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY .....4,492.15 For >50' To 100' Deep, Add 363.33 For >100' To 150' Deep, Add 1,123.04 For >150' To 200' Deep, Add 1,408.74		
31 64 13 00-0021 EA Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY .....5,282.25 For >50' To 100' Deep, Add 427.05 For >100' To 150' Deep, Add 1,320.56 For >150' To 200' Deep, Add 1,656.29		
31 64 13 00-0022 EA Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY .....8,959.70 For >50' To 100' Deep, Add 722.96 For >100' To 150' Deep, Add 2,239.93 For >150' To 200' Deep, Add 2,807.64		
31 64 13 00-0023 EA Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY .....12,946.64 For >50' To 100' Deep, Add 1,054.86 For >100' To 150' Deep, Add 3,236.66 For >150' To 200' Deep, Add 4,069.74		
31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled (31 64 13) Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025 Caisson In Wet Ground (31 64 13 00-0024) Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026 VLF 18" Diameter Caisson Wet Ground, Casing Pulled .....64.34 Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF. For >50' To 100' Deep, Add 6.02 For >100' To 150' Deep, Add 16.09 For >150' To 200' Deep, Add 21.20 For Right Angle Drilling, Add 17.77		
31 64 13 00-0027 VLF 24" Diameter Caisson Wet Ground, Casing Pulled .....107.53 Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF. For >50' To 100' Deep, Add 10.08 For >100' To 150' Deep, Add 26.88 For >150' To 200' Deep, Add 35.46 For Right Angle Drilling, Add 29.65		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0028 VLF 30" Diameter Caisson Wet Ground, Casing Pulled.....	141.63	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	13.99	
For >100' To 150' Deep, Add	35.41	
For >150' To 200' Deep, Add	47.58	
For Right Angle Drilling, Add	36.83	
31 64 13 00-0029 VLF 36" Diameter Caisson Wet Ground, Casing Pulled.....	194.17	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	19.45	
For >100' To 150' Deep, Add	48.54	
For >150' To 200' Deep, Add	65.58	
For Right Angle Drilling, Add	49.64	
31 64 13 00-0030 VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	245.43	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	25.38	
For >100' To 150' Deep, Add	61.36	
For >150' To 200' Deep, Add	83.88	
For Right Angle Drilling, Add	60.27	
31 64 13 00-0031 VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	293.60	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	30.85	
For >100' To 150' Deep, Add	73.40	
For >150' To 200' Deep, Add	100.95	
For Right Angle Drilling, Add	70.58	
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	378.96	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	39.84	
For >100' To 150' Deep, Add	94.74	
For >150' To 200' Deep, Add	130.33	
For Right Angle Drilling, Add	91.03	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	463.94	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	48.86	
For >100' To 150' Deep, Add	115.99	
For >150' To 200' Deep, Add	159.67	
For Right Angle Drilling, Add	111.17	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	528.56	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	56.83	
For >100' To 150' Deep, Add	132.14	
For >150' To 200' Deep, Add	183.36	
For Right Angle Drilling, Add	123.03	
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	600.28	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	65.86	
For >100' To 150' Deep, Add	150.07	
For >150' To 200' Deep, Add	209.88	
For Right Angle Drilling, Add	135.60	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	682.26	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	75.74	
For >100' To 150' Deep, Add	170.57	
For >150' To 200' Deep, Add	239.65	
For Right Angle Drilling, Add	151.35	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	768.36	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	86.24	
For >100' To 150' Deep, Add	192.09	
For >150' To 200' Deep, Add	271.07	
For Right Angle Drilling, Add	167.52	
31 64 13 00-0038 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	518.41	
For >50' To 100' Deep, Add	41.12	
For >100' To 150' Deep, Add	129.60	
For >150' To 200' Deep, Add	161.57	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,805.77	
For >50' To 100' Deep, Add	143.59	
For >100' To 150' Deep, Add	451.44	
For >150' To 200' Deep, Add	563.22	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	2,492.80	
For >50' To 100' Deep, Add	185.51	
For >100' To 150' Deep, Add	623.20	
For >150' To 200' Deep, Add	761.60	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	3,964.66	
For >50' To 100' Deep, Add	318.17	
For >100' To 150' Deep, Add	991.17	
For >150' To 200' Deep, Add	1,240.20	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	5,145.09	
For >50' To 100' Deep, Add	409.03	
For >100' To 150' Deep, Add	1,286.27	
For >150' To 200' Deep, Add	1,604.62	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	6,050.42	
For >50' To 100' Deep, Add	480.82	
For >100' To 150' Deep, Add	1,512.61	
For >150' To 200' Deep, Add	1,886.74	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	10,265.58	
For >50' To 100' Deep, Add	814.37	
For >100' To 150' Deep, Add	2,566.40	
For >150' To 200' Deep, Add	3,199.40	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	14,812.16	
For >50' To 100' Deep, Add	1,185.45	
For >100' To 150' Deep, Add	3,703.04	
For >150' To 200' Deep, Add	4,629.39	
31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale ^(31 64 13)		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048 Caisson In Soft Rock ^(31 64 13 00-0047)		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	250.76	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	19.07	
For >100' To 150' Deep, Add	62.69	
For >150' To 200' Deep, Add	77.13	
For Right Angle Drilling, Add	83.02	
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	418.28	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	31.84	
For >100' To 150' Deep, Add	104.57	
For >150' To 200' Deep, Add	128.68	
For Right Angle Drilling, Add	138.41	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	630.36	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	48.20	
For >100' To 150' Deep, Add	157.59	
For >150' To 200' Deep, Add	194.20	
For Right Angle Drilling, Add	207.89	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	805.15	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	62.22	
For >100' To 150' Deep, Add	201.29	
For >150' To 200' Deep, Add	248.87	
For Right Angle Drilling, Add	263.49	
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,037.70	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	80.84	
For >100' To 150' Deep, Add	259.43	
For >150' To 200' Deep, Add	321.56	
For Right Angle Drilling, Add	337.56	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,250.92	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	97.86	
For >100' To 150' Deep, Add	312.73	
For >150' To 200' Deep, Add	388.15	
For Right Angle Drilling, Add	405.64	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,529.51	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	120.38	
For >100' To 150' Deep, Add	382.38	
For >150' To 200' Deep, Add	475.50	
For Right Angle Drilling, Add	493.72	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,807.95	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	142.94	
For >100' To 150' Deep, Add	451.99	
For >150' To 200' Deep, Add	562.87	
For Right Angle Drilling, Add	581.57	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,985.03	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	158.78	
For >100' To 150' Deep, Add	496.26	
For >150' To 200' Deep, Add	620.30	
For Right Angle Drilling, Add	632.79	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,168.34	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	175.62	
For >100' To 150' Deep, Add	542.09	
For >150' To 200' Deep, Add	680.30	
For Right Angle Drilling, Add	684.42	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,220.09	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	183.39	
For >100' To 150' Deep, Add	555.02	
For >150' To 200' Deep, Add	701.00	
For Right Angle Drilling, Add	689.59	



Earthwork	31	
Special Foundations and Load-bearing Elements	31 60	15
Caissons	31 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,651.45	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	218.05	
For >100' To 150' Deep, Add	662.86	
For >150' To 200' Deep, Add	836.00	
For Right Angle Drilling, Add	826.60	
31 64 13 00-0061 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	892.38	
For >50' To 100' Deep, Add	67.30	
For >100' To 150' Deep, Add	223.10	
For >150' To 200' Deep, Add	273.76	
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,140.10	
For >50' To 100' Deep, Add	236.99	
For >100' To 150' Deep, Add	785.03	
For >150' To 200' Deep, Add	963.51	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,702.73	
For >50' To 100' Deep, Add	358.10	
For >100' To 150' Deep, Add	1,175.68	
For >150' To 200' Deep, Add	1,446.96	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,696.06	
For >50' To 100' Deep, Add	509.36	
For >100' To 150' Deep, Add	1,674.02	
For >150' To 200' Deep, Add	2,059.62	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	8,854.85	
For >50' To 100' Deep, Add	668.71	
For >100' To 150' Deep, Add	2,213.71	
For >150' To 200' Deep, Add	2,717.55	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	10,792.01	
For >50' To 100' Deep, Add	812.73	
For >100' To 150' Deep, Add	2,698.00	
For >150' To 200' Deep, Add	3,309.22	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,311.11	
For >50' To 100' Deep, Add	1,237.56	
For >100' To 150' Deep, Add	4,077.78	
For >150' To 200' Deep, Add	5,013.06	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	24,528.21	
For >50' To 100' Deep, Add	1,865.57	
For >100' To 150' Deep, Add	6,132.05	
For >150' To 200' Deep, Add	7,544.21	
31 64 13 00-0070 Caisson Setup And Removal <small>(31 64 13)</small>		
Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,162.05	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	5,822.70	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	1,978.54	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,638.05	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	164.88	
31 68 Foundation Anchors <small>(31 60)</small>		
31 68 13 Rock Foundation Anchors <small>(31 68)</small>		
31 68 13 00-0001 Materials And Placement <small>(31 68 13)</small>		
31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0003 3/4" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0004 EA 3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	220.71	
31 68 13 00-0005 EA 3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	317.30	
31 68 13 00-0006 EA 3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	387.45	
31 68 13 00-0007 EA 3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	510.47	
31 68 13 00-0008 1" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0009 EA 1" Rock Bolt, 5' Hollow Core Prestressable Anchor	279.34	
31 68 13 00-0010 EA 1" Rock Bolt, 10' Hollow Core Prestressable Anchor	430.04	
31 68 13 00-0011 EA 1" Rock Bolt, 15' Hollow Core Prestressable Anchor	554.31	
31 68 13 00-0012 EA 1" Rock Bolt, 20' Hollow Core Prestressable Anchor	731.48	
31 68 13 00-0013 1-3/8" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0014 EA 1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	460.14	
31 68 13 00-0015 EA 1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	714.52	
31 68 13 00-0016 EA 1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	942.50	
31 68 13 00-0017 EA 1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,223.30	

31	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 68	Foundation Anchors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 68 13 00-0018	2" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0019	EA 2" Rock Bolt, 5' Hollow Core Prestressable Anchor	1,010.01	
31 68 13 00-0020	EA 2" Rock Bolt, 10' Hollow Core Prestressable Anchor	1,501.19	
31 68 13 00-0021	EA 2" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,965.87	
31 68 13 00-0022	EA 2" Rock Bolt, 20' Hollow Core Prestressable Anchor	2,483.47	
31 68 13 00-0023	Super High-Tensile Anchors, ASTM A-108 <small>(31 68 13 00-0001)</small>		
	Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024	3/4" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0025	EA 3/4" Rock Bolt, 5' Super High-Tensile Anchor	161.38	
31 68 13 00-0026	EA 3/4" Rock Bolt, 10' Super High-Tensile Anchor	215.30	
31 68 13 00-0027	EA 3/4" Rock Bolt, 15' Super High-Tensile Anchor	242.69	
31 68 13 00-0028	EA 3/4" Rock Bolt, 20' Super High-Tensile Anchor	320.98	
31 68 13 00-0029	1" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0030	EA 1" Rock Bolt, 5' Super High-Tensile Anchor	191.82	
31 68 13 00-0031	EA 1" Rock Bolt, 10' Super High-Tensile Anchor	266.58	
31 68 13 00-0032	EA 1" Rock Bolt, 15' Super High-Tensile Anchor	312.46	
31 68 13 00-0033	EA 1" Rock Bolt, 20' Super High-Tensile Anchor	411.21	
31 68 13 00-0034	1-1/4" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0035	EA 1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	281.20	
31 68 13 00-0036	EA 1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	394.70	
31 68 13 00-0037	EA 1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	481.22	
31 68 13 00-0038	EA 1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	616.98	
31 68 13 00-0039	2" Diameter <small>(31 68 13 00-0023)</small>		
31 68 13 00-0040	EA 2" Rock Bolt, 5' Super High-Tensile Anchor	736.18	
31 68 13 00-0041	EA 2" Rock Bolt, 10' Super High-Tensile Anchor	1,046.38	
31 68 13 00-0042	EA 2" Rock Bolt, 15' Super High-Tensile Anchor	1,277.13	
31 68 13 00-0043	EA 2" Rock Bolt, 20' Super High-Tensile Anchor	1,574.71	
31 68 13 00-0044	Solid Rebar Anchors, ASTM A615 <small>(31 68 13 00-0001)</small>		
	Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045	3/4" Diameter <small>(31 68 13 00-0044)</small>		
31 68 13 00-0046	EA 3/4" Rock Bolt, 5' Solid Rebar Anchor	151.61	
31 68 13 00-0047	EA 3/4" Rock Bolt, 10' Solid Rebar Anchor	194.64	
31 68 13 00-0048	EA 3/4" Rock Bolt, 15' Solid Rebar Anchor	211.21	
31 68 13 00-0049	EA 3/4" Rock Bolt, 20' Solid Rebar Anchor	280.67	
31 68 13 00-0050	1" Diameter <small>(31 68 13 00-0044)</small>		
31 68 13 00-0051	EA 1" Rock Bolt, 5' Solid Rebar Anchor	170.42	
31 68 13 00-0052	EA 1" Rock Bolt, 10' Solid Rebar Anchor	225.74	
31 68 13 00-0053	EA 1" Rock Bolt, 15' Solid Rebar Anchor	254.67	
31 68 13 00-0054	EA 1" Rock Bolt, 20' Solid Rebar Anchor	336.39	
31 68 13 00-0055	1-1/4" Diameter <small>(31 68 13 00-0044)</small>		
31 68 13 00-0056	EA 1-1/4" Rock Bolt, 5' Solid Rebar Anchor	245.65	
31 68 13 00-0057	EA 1-1/4" Rock Bolt, 10' Solid Rebar Anchor	317.23	
31 68 13 00-0058	EA 1-1/4" Rock Bolt, 15' Solid Rebar Anchor	362.48	
31 68 13 00-0059	EA 1-1/4" Rock Bolt, 20' Solid Rebar Anchor	460.56	
31 68 13 00-0060	Resin Anchoring With Grade 60 Rebar <small>(31 68 13 00-0001)</small>		
	Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061	Rebar #6 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0062	EA #6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	85.58	
31 68 13 00-0063	EA #6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	118.32	
31 68 13 00-0064	EA #6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	124.62	
31 68 13 00-0065	EA #6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	171.18	
31 68 13 00-0066	Rebar #8 <small>(31 68 13 00-0060)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0067 EA #8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	90.49	
31 68 13 00-0068 EA #8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	128.13	
31 68 13 00-0069 EA #8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	139.33	
31 68 13 00-0070 EA #8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	203.40	
31 68 13 00-0071 Rebar #10 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0072 EA #10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	97.49	
31 68 13 00-0073 EA #10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	142.14	
31 68 13 00-0074 EA #10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	160.35	
31 68 13 00-0075 EA #10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	231.42	
31 68 13 00-0076 Rebar #14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0077 EA #14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	114.31	
31 68 13 00-0078 EA #14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	175.76	
31 68 13 00-0079 EA #14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	210.79	
31 68 13 00-0080 EA #14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	298.67	
31 68 13 00-0081 Plastic Rebar Collars, Sizes #6-#14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0082 EA Plastic Rebar Collars For Rebar #4 To #14.....	2.82	
31 68 13 00-0083 12" Long Resin Cartridges <small>(31 68 13 00-0001)</small>		
31 68 13 00-0084 EA 7/8" Resin Cartridge 12" Long.....	1.95	
31 68 13 00-0085 EA 1" Resin Cartridge 12" Long.....	2.68	
31 68 13 00-0086 EA 1-1/16" Resin Cartridge 12" Long.....	2.87	
31 68 13 00-0087 EA 1-1/4" Resin Cartridge 12" Long.....	3.10	
31 68 13 00-0088 EA 1-3/8" Resin Cartridge 12" Long.....	3.56	
31 68 13 00-0089 EA 1-9/16" Resin Cartridge 12" Long.....	4.45	
31 68 13 00-0090 EA 1-3/4" Resin Cartridge 12" Long.....	6.12	
31 68 13 00-0091 Head Assembly <small>(31 68 13 00-0001)</small>		
31 68 13 00-0092 3/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0093 EA 3/4" Rod Head Assembly 1-5/8" Short Cone and Shell.....	30.65	
31 68 13 00-0094 EA 3/4" Rod Head Assembly 1-3/4" Short Cone and Shell.....	25.81	
31 68 13 00-0095 EA 3/4" Rod Head Assembly 1-7/8" Short Cone and Shell.....	27.07	
31 68 13 00-0096 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	48.61	
31 68 13 00-0097 EA 3/4" Rod Head Assembly 1-7/8" Long Cone and Shell.....	48.61	
31 68 13 00-0098 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	46.06	
31 68 13 00-0099 1" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0100 EA 1" Rod Head Assembly 1-5/8" Short Cone and Shell.....	33.03	
31 68 13 00-0101 EA 1" Rod Head Assembly 1-3/4" Short Cone and Shell.....	28.27	
31 68 13 00-0102 EA 1" Rod Head Assembly 1-7/8" Short Cone and Shell.....	29.53	
31 68 13 00-0103 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	51.14	
31 68 13 00-0104 EA 1" Rod Head Assembly 1-7/8" Long Cone and Shell.....	51.14	
31 68 13 00-0105 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	48.76	
31 68 13 00-0106 1-1/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0107 EA 1-1/4" Rod Head Assembly 2" Short Cone and Shell.....	73.69	
31 68 13 00-0108 EA 1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell.....	86.09	
31 68 13 00-0109 EA 1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell.....	87.32	
31 68 13 00-0110 EA 1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell.....	77.44	
31 68 13 00-0111 EA 1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell.....	90.29	
31 68 13 00-0112 1-7/8" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0113 EA 1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	290.04	
31 68 13 00-0114 EA 1-7/8" Rod Head Assembly 3" Long Cone and Shell.....	199.96	
31 68 13 00-0115 2" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0116 EA 2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	290.04	
31 68 13 00-0117 EA 2" Rod Head Assembly 3" Long Cone and Shell.....	199.96	
31 68 13 00-0118 Steel Plates With Standard Hole And Washers <small>(31 68 13 00-0001)</small>		
31 68 13 00-0119 Steel Plates <small>(31 68 13 00-0118)</small>		
31 68 13 00-0120 EA 1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer.....	3.71	
31 68 13 00-0121 EA 1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	6.85	
31 68 13 00-0122 EA 3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	9.54	
31 68 13 00-0123 EA 3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	16.72	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 68 Foundation Anchors**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	6.49	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	17.05	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	28.30	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	40.09	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	24.07	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	68.08	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	100.33	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	44.04	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	119.12	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	59.57	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	143.28	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	65.75	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	158.90	
31 68 13 00-0137		Hardened Washers <small>(31 68 13 00-0118)</small>		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.02	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.40	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	3.92	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	9.77	
31 68 13 00-0142		Beveled Washers <small>(31 68 13 00-0118)</small>		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	2.56	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	2.52	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	3.82	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	16.32	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	11.28	
31 68 13 00-0148		Hex Nuts <small>(31 68 13 00-0118)</small>		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.00	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	3.26	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	13.34	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	8.41	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	53.62	
31 68 13 00-0154		Drilling Operation For Rockbolts <small>(31 68 13)</small>		
31 68 13 00-0155		Drill Holes For Rock Bolts <small>(31 68 13 00-0154)</small>		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	193.86	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	366.18	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	549.27	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	659.12	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	253.51	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	470.80	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	659.12	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	823.91	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	274.63	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	549.27	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	823.91	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,098.55	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	329.56	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	659.12	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	1,098.55	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,647.82	
31 68 13 00-0176		Tools <small>(31 68 13)</small>		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	731.99	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,078.73	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,809.69	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,709.33	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,049.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0183 Torque Wrenches And Ratchet Adapter, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0184 0-500 Foot Pounds (0-678J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0185 EA 1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental.....	256.15	
31 68 13 00-0186 EA Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	160.56	
31 68 13 00-0187 EA Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	417.02	
31 68 13 00-0188 0-600 Foot Pounds (0-814J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0189 EA 0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	290.82	
31 68 13 00-0190 Up To 1,000 Foot Pounds (0-1356J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0191 EA 1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	558.53	
31 68 13 00-0192 EA Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	137.76	
31 68 13 00-0193 EA Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	696.29	
31 68 13 00-0194 Torque Multiplier, 4:1 Multiplier <small>(31 68 13 00-0176)</small>		
31 68 13 00-0195 EA Torque Multiplier, 4 To 1 Ratio.....	715.34	
31 68 13 00-0196 Pneumatic Drive Torque Wrench <small>(31 68 13 00-0176)</small>		
31 68 13 00-0197 EA Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,530.64	
31 68 13 00-0198 Grouting <small>(31 68 13)</small>		
31 68 13 00-0199 Grouting With Pumps <small>(31 68 13 00-0198)</small>		
Note: Grout material and labor only.		
31 68 13 00-0200 GAL Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	22.96	
31 68 13 00-0201 GAL Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	35.87	
31 68 13 00-0202 GAL Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery.....	33.10	
31 68 13 00-0203 Grout Pumps, Monthly Rental <small>(31 68 13 00-0198)</small>		
31 68 13 00-0204 EA Hand Grout Pump, Monthly Rental.....	153.08	
31 68 13 00-0205 EA Air Powered Programmable Feed Grout Pump Monthly Rental	1,287.75	
31 68 13 00-0206 EA Air Powered, Piston Drive Grout Pump Monthly Rental.....	2,248.29	
31 68 13 00-0207 Rock Bolt Testing <small>(31 68 13)</small>		
31 68 13 00-0208 EA Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing.....	604.30	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 68	Foundation Anchors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal from Paving ^(32 01 11)

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings ^(32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.24
	For Up To 250, Add	1.12
	For >250 To 1,000, Add	0.56
	For >5,000 To 10,000, Deduct	-0.34
	For >10,000 To 25,000, Deduct	-0.56
	For >25,000 To 50,000, Deduct	-0.78
	For >50,000, Deduct	-0.90
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.68
	For Up To 250, Add	1.34
	For >250 To 1,000, Add	0.67
	For >5,000 To 10,000, Deduct	-0.40
	For >10,000 To 25,000, Deduct	-0.67
	For >25,000 To 50,000, Deduct	-0.94
	For >50,000, Deduct	-1.07
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.22
	For Up To 250, Add	1.61
	For >250 To 1,000, Add	0.81
	For >5,000 To 10,000, Deduct	-0.48
	For >10,000 To 25,000, Deduct	-0.81
	For >25,000 To 50,000, Deduct	-1.13
	For >50,000, Deduct	-1.29
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.85
	For Up To 250, Add	1.93
	For >250 To 1,000, Add	0.96
	For >5,000 To 10,000, Deduct	-0.58
	For >10,000 To 25,000, Deduct	-0.96
	For >25,000 To 50,000, Deduct	-1.35
	For >50,000, Deduct	-1.54
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.85
	For Up To 250, Add	1.93
	For >250 To 1,000, Add	0.96
	For >5,000 To 10,000, Deduct	-0.58
	For >10,000 To 25,000, Deduct	-0.96
	For >25,000 To 50,000, Deduct	-1.35
	For >50,000, Deduct	-1.54
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping	2.88
	For Up To 250, Add	1.44
	For >250 To 1,000, Add	0.72
	For >5,000 To 10,000, Deduct	-0.43
	For >10,000 To 25,000, Deduct	-0.72
	For >25,000 To 50,000, Deduct	-1.01
	For >50,000, Deduct	-1.15
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping	3.39
	For Up To 250, Add	1.70
	For >250 To 1,000, Add	0.85
	For >5,000 To 10,000, Deduct	-0.51
	For >10,000 To 25,000, Deduct	-0.85
	For >25,000 To 50,000, Deduct	-1.19
	For >50,000, Deduct	-1.36
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping	4.10
	For Up To 250, Add	2.05
	For >250 To 1,000, Add	1.03
	For >5,000 To 10,000, Deduct	-0.62
	For >10,000 To 25,000, Deduct	-1.03
	For >25,000 To 50,000, Deduct	-1.44
	For >50,000, Deduct	-1.64
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping	4.91
	For Up To 250, Add	2.46
	For >250 To 1,000, Add	1.23
	For >5,000 To 10,000, Deduct	-0.74
	For >10,000 To 25,000, Deduct	-1.23
	For >25,000 To 50,000, Deduct	-1.72
	For >50,000, Deduct	-1.96
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	4.91
	For Up To 250, Add	2.46
	For >250 To 1,000, Add	1.23
	For >5,000 To 10,000, Deduct	-0.74
	For >10,000 To 25,000, Deduct	-1.23
	For >25,000 To 50,000, Deduct	-1.72
	For >50,000, Deduct	-1.96

32 01 13 Flexible Paving Surface Treatment ^(32 01)

32 Exterior Improvements
32 01 Operation and Maintenance of Exterior Improvements
32 01 13 Flexible Paving Surface Treatment



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 01 13 61 Slurry Seal (Latex Modified) <small>(32 01 13)</small>		
32 01 13 61-0001	Asphalt Seal Coating, For Roads And Parking Lot <small>(32 01 13 61)</small>	
	Note: Includes sweeping and cleaning of area.	
32 01 13 61-0002	EA Asphalt Seal Coating Minimum Charge	881.23
	Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
32 01 13 61-0003	SY Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.32
32 01 13 61-0004	SY >500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat.....	3.06
32 01 13 61-0005	SY >1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat.....	2.86
32 01 13 61-0006	SY Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.51
	Note: 1/8" thick.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
	For Each 0.5% Of Latex Addition, Add	0.30
32 01 13 61-0007	SY >500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat	3.30
	Note: 1/8" thick.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
	For Each 0.5% Of Latex Addition, Add	0.30
32 01 13 61-0008	SY >1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat	3.15
	Note: 1/8" thick.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
	For Each 0.5% Of Latex Addition, Add	0.30
32 01 13 61-0009	SY >5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat	3.00
	Note: 1/8" thick.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
	For Each 0.5% Of Latex Addition, Add	0.30
32 01 13 61-0010	SY >20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat	3.00
	Note: 1/8" thick.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
	For Each 0.5% Of Latex Addition, Add	0.30
32 01 13 61-0011	SY >50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat	2.75
	Note: 1/8" thick.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.43
	For Each 0.5% Of Latex Addition, Add	0.30
32 01 13 61-0012	SY Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.75
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.49
	For Each 0.5% Of Latex Addition, Add	0.45
32 01 13 61-0013	SY >500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.43
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.48
	For Each 0.5% Of Latex Addition, Add	0.45
32 01 13 61-0014	SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	4.19
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
	For Each 0.5% Of Latex Addition, Add	0.45
32 01 13 61-0015	SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	3.96
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
	For Each 0.5% Of Latex Addition, Add	0.45
32 01 13 61-0016	SY >20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	3.76
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
	For Each 0.5% Of Latex Addition, Add	0.45
32 01 13 61-0017	SY >50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat	3.56
	Note: 1/4" thick, 14 to 18 Lbs/SY.	
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.43
	For Each 0.5% Of Latex Addition, Add	0.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0018 SY Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Each 0.5% Of Latex Addition, Add	5.97 0.34 0.40 0.50 0.73	
32 01 13 61-0019 SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Each 0.5% Of Latex Addition, Add	5.64 0.33 0.39 0.49 0.73	
32 01 13 61-0020 SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Each 0.5% Of Latex Addition, Add	5.38 0.31 0.37 0.47 0.73	
32 01 13 61-0021 SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Each 0.5% Of Latex Addition, Add	5.13 0.30 0.36 0.46 0.73	
32 01 13 61-0022 SY >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Each 0.5% Of Latex Addition, Add	4.91 0.29 0.35 0.45 0.73	
32 01 13 61-0023 SY >50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lbs/SY. For Tire Rubber Modified Slurry Seal (TRMSS), Add For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Each 0.5% Of Latex Addition, Add	4.71 0.28 0.34 0.44 0.73	

32 01 13 62 Asphalt Surface Treatment (32 01 13)

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) <small>(32 01 13 62)</small> Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.		
32 01 13 62-0002 SY Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.72	
32 01 13 62-0003 SY Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.19	
32 01 13 62-0004 SY >500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.73	
32 01 13 62-0005 SY >1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.34	
32 01 13 62-0006 SY >5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.98	
32 01 13 62-0007 SY >10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.68	
32 01 13 62-0008 SY >20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.46	
32 01 13 62-0009 SY >50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.34	

32 01 16 Flexible Paving Rehabilitation (32 01)

32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)

32 01 16 71-0001 Removal Of Asphalt Surface Course <small>(32 01 16 71)</small> Note: Includes direct loading into truck.		
32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas <small>(32 01 16 71-0001)</small> Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 16 71-0003 SY Up To 3" Depth, Production Cold Milling Of Asphalt	4.52	
For Up To 2,500, Add	3.39	
For >2,500 To 5,000, Add	1.13	
For >10,000 To 25,000, Deduct	-0.79	
For >25,000, Deduct	-1.13	
32 01 16 71-0004 SY >3" To 6" Depth, Production Cold Milling Of Asphalt	5.70	
For Up To 2,500, Add	4.28	
For >2,500 To 5,000, Add	1.43	
For >10,000 To 25,000, Deduct	-1.00	
For >25,000, Deduct	-1.43	
32 01 16 71-0005 SY >6" To 12" Depth, Production Cold Milling Of Asphalt	7.60	
For Up To 2,500, Add	5.70	
For >2,500 To 5,000, Add	1.90	
For >10,000 To 25,000, Deduct	-1.33	
For >25,000, Deduct	-1.90	

32 01 16 71-0006 Limited Production Cold Milling <small>(32 01 16 71-0001)</small> Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
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32 Exterior Improvements
32 01 Operation and Maintenance of Exterior Improvements
32 01 16 Flexible Paving Rehabilitation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0007	SY		Up To 3" Depth, Limited Cold Milling Of Asphalt.....	30.07	
			<i>For >100 To 1,000, Deduct</i>	-15.04	
			<i>For >1,000, Deduct</i>	-22.55	
32 01 16 71-0008	SY		>3" To 6" Depth, Limited Cold Milling Of Asphalt.....	39.82	
			<i>For >100 To 1,000, Deduct</i>	-19.91	
			<i>For >1,000, Deduct</i>	-29.87	
32 01 16 71-0009	SY		>6" To 12" Depth, Limited Cold Milling Of Asphalt.....	53.04	
			<i>For >100 To 1,000, Deduct</i>	-26.52	
			<i>For >1,000, Deduct</i>	-39.78	
32 01 16 71-0010			Grind, Leave In-Place Asphalt Grindings <small>(32 01 16 71)</small>		
			Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011	SY		Grind, Leave In-Place As Subbase Course, 6-9" Depth	7.85	
32 01 16 71-0012			Wedge Grinding Cold Milling <small>(32 01 16 71)</small>		
			Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning .		
32 01 16 71-0013	LF		5' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth.....	8.36	
32 01 16 71-0014	LF		10' Wedge Gringing/Cold Milling Of Asphalt Up To 3" Depth.....	16.70	
32 01 16 71-0015			Cutback Ramp <small>(32 01 16 71)</small>		
32 01 16 71-0016	LF		1" Differential, 5' Length, Cutback Ramp	13.09	
32 01 16 71-0017	LF		1-1/2" Differential, 5' Length, Cutback Ramp	16.03	
32 01 16 71-0018	LF		2" Differential, 5' Length, Cutback Ramp	18.71	
32 01 16 73			In Place Cold Reused Asphalt Paving <small>(32 01 16)</small>		
32 01 16 73-0001			Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) <small>(32 01 16 73)</small>		
			Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002	SF		Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	5.35	
32 01 16 73-0003	SF		>30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	4.99	
32 01 16 73-0004	SF		>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	4.22	
32 01 16 73-0005	SF		>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.62	
32 01 16 73-0006	SF		>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.26	
32 01 16 73-0007	SF		>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.02	
32 01 16 73-0008	SF		>500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.85	
32 01 16 73-0009			Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) <small>(32 01 16 73)</small>		
			Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0010	SF		Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	5.28	
			<i>For >12" To 18" Depth, Add</i>	1.80	
32 01 16 73-0011	SF		>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	4.15	
			<i>For >12" To 18" Depth, Add</i>	1.47	
32 01 16 73-0012	SF		>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.55	
			<i>For >12" To 18" Depth, Add</i>	1.29	
32 01 16 73-0013	SF		>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.19	
			<i>For >12" To 18" Depth, Add</i>	1.18	
32 01 16 73-0014	SF		>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.95	
			<i>For >12" To 18" Depth, Add</i>	1.11	
32 01 16 73-0015	SF		>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.78	
			<i>For >12" To 18" Depth, Add</i>	1.05	
32 01 16 73-0016			Supplemental Aggregate <small>(32 01 16 73)</small>		
32 01 16 73-0017	TON		Supplemental Aggregate	81.93	
32 01 16 73-0018			Cold-In-Place Recycling (CALTRAN) <small>(32 01 16 73)</small>		
32 01 16 73-0019	TON		Sand Cover (CIPR).....	58.00	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000 To 2,500, Deduct</i>	-2.90	
			<i>For >2,500 To 5,000, Deduct</i>	-4.06	
			<i>For >5,000, Deduct</i>	-5.22	
32 01 16 73-0020	SY		Cold In Place Recycling (CIPR).....	6.50	
			<i>For >10,000 To 25,000, Deduct</i>	-0.65	
			<i>For >25,000, Deduct</i>	-0.98	
32 01 16 73-0021	TON		Cement (CIPR).....	135.00	
			<i>For >500 To 1,000, Deduct</i>	-3.38	
			<i>For >1,000 To 2,500, Deduct</i>	-6.75	
			<i>For >2,500 To 5,000, Deduct</i>	-9.45	
			<i>For >5,000, Deduct</i>	-12.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0022 TON Emulsified Recycling Agent (CIPR)	610.00	
<i>For >500 To 1,000, Deduct</i>	-15.25	
<i>For >1,000 To 2,500, Deduct</i>	-30.50	
<i>For >2,500 To 5,000, Deduct</i>	-42.70	
<i>For >5,000, Deduct</i>	-54.90	
32 01 16 73-0023 TON Asphaltic Emulsion (CIPR)	610.00	
<i>For >500 To 1,000, Deduct</i>	-15.25	
<i>For >1,000 To 2,500, Deduct</i>	-30.50	
<i>For >2,500 To 5,000, Deduct</i>	-42.70	
<i>For >5,000, Deduct</i>	-54.90	

32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)

32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement (32 01 16 74)
 Note: Includes direct loading into truck.

32 01 16 74-0002 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep	11.15
32 01 16 74-0003 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	13.24
32 01 16 74-0004 TON Removal, Rejuvenation, And Respreading Of Asphalt Grindings	204.12

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0006 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	16.20
32 01 16 74-0007 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.10
32 01 16 74-0008 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.05
32 01 16 74-0009 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.84
32 01 16 74-0010 SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.42
32 01 16 74-0011 SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	17.67
32 01 16 74-0012 SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.83
32 01 16 74-0013 SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.17
32 01 16 74-0014 SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.44
32 01 16 74-0015 SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.72
32 01 16 74-0016 SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.86
32 01 16 74-0017 SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.49
32 01 16 74-0018 SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	21.21
32 01 16 74-0019 SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.61
32 01 16 74-0020 SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.30
32 01 16 74-0021 SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.94
32 01 16 74-0022 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,822.51

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair (32 01 17 61)
 Note: Includes removing loose materials and cleaning.

32 01 17 61-0002 LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.88
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
<i>For 3/4" x 1/2" Fill, Add</i>	0.54
<i>For 1" x 1/2" Fill, Add</i>	1.03
<i>For Backer Rod, Add</i>	1.11
32 01 17 61-0003 LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.53
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
<i>For 3/4" x 1/2" Fill, Add</i>	0.45
<i>For 1" x 1/2" Fill, Add</i>	0.86
<i>For Backer Rod, Add</i>	1.00
32 01 17 61-0004 LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.23
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
<i>For 3/4" x 1/2" Fill, Add</i>	0.37
<i>For 1" x 1/2" Fill, Add</i>	0.70
<i>For Backer Rod, Add</i>	0.89

32 Exterior Improvements
32 01 Operation and Maintenance of Exterior Improvements
32 01 17 Flexible Paving Repair



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01	17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler 1.05 Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. For 3/4" x 1/2" Fill, Add 0.32 For 1" x 1/2" Fill, Add 0.61 For Backer Rod, Add 0.83		
32 01	17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler 0.95 Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. For 3/4" x 1/2" Fill, Add 0.29 For 1" x 1/2" Fill, Add 0.55 For Backer Rod, Add 0.78		
32 01	17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler 0.87 Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack. For 3/4" x 1/2" Fill, Add 0.26 For 1" x 1/2" Fill, Add 0.50 For Backer Rod, Add 0.74		
32 01	17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler 3.28 For 3/8" x 1/4" Fill, Add 0.78 For 1/2" x 1/4" Fill, Add 1.43 For 1/2" x 1/2" Fill, Add 3.42		
32 01	17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler 2.65 For 3/8" x 1/4" Fill, Add 0.64 For 1/2" x 1/4" Fill, Add 1.18 For 1/2" x 1/2" Fill, Add 2.85		
32 01	17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler 2.05 For 3/8" x 1/4" Fill, Add 0.51 For 1/2" x 1/4" Fill, Add 0.94 For 1/2" x 1/2" Fill, Add 2.30		
32 01	17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler 1.80 For 3/8" x 1/4" Fill, Add 0.45 For 1/2" x 1/4" Fill, Add 0.83 For 1/2" x 1/2" Fill, Add 2.05		
32 01	17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler 1.62 For 3/8" x 1/4" Fill, Add 0.40 For 1/2" x 1/4" Fill, Add 0.74 For 1/2" x 1/2" Fill, Add 1.82		
32 01	17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler 1.51 For 3/8" x 1/4" Fill, Add 0.37 For 1/2" x 1/4" Fill, Add 0.68 For 1/2" x 1/2" Fill, Add 1.64		
32 01	17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth 0.56		

32 01 17 63 Flexible Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01	17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons 1,718.19		
32 01	17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified 518.38 Note: Use for each ton over 3 tons.		
32 01	17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons 1,646.16		
32 01	17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix 494.37 Note: Use for each ton over 3 tons.		
32 01	17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons 1,610.15		
32 01	17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified 482.36 Note: Use for each ton over 3 tons.		
32 01	17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons 1,574.13		
32 01	17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix 470.36 Note: Use for each ton over 3 tons.		

32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles. Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01	17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons 1,861.70		
32 01	17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix 604.81 Note: Use for each ton over 3 tons.		
32 01	17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons 1,825.69		
32 01	17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified 592.80 Note: Use for each ton over 3 tons.		
32 01	17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons 1,789.67		
32 01	17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix 580.80 Note: Use for each ton over 3 tons.		

32 01 17 63-0017 Asphalt Placement For Small Repairs (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	2,435.56	
<i>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified	328.15	
<i>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	2,363.53	
<i>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix.....	304.14	
<i>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	2,327.52	
<i>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified	292.13	
<i>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	2,291.50	
<i>Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix.....	280.13	
<i>Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.</i>		
32 01 17 63-0026 Grind Asphalt <small>(32 01 17 63)</small>		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area.....	22.47	
32 01 26 Rigid Paving Rehabilitation <small>(32 01)</small>		
32 01 26 71 Grooving of Concrete Paving <small>(32 01 26)</small>		
32 01 26 71-0001 Roadway Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0002 EA First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	4,155.32	
32 01 26 71-0003 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.85	
32 01 26 71-0004 EA First 500 SY Of Pavement Grooving, Concrete, Traverse	4,629.17	
32 01 26 71-0005 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.01	
32 01 26 71-0006 Rumble Strips <small>(32 01 26 71)</small>		
32 01 26 71-0007 EA First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,613.07	
32 01 26 71-0008 LF Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.84	
32 01 26 71-0009 EA First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	5,140.85	
32 01 26 71-0010 LF Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	0.94	
32 01 26 73 Milling Of Concrete Paving <small>(32 01 26)</small>		
32 01 26 73-0001 Removal Of Concrete <small>(32 01 26 73)</small>		
<i>Note: Includes direct loading into truck.</i>		
32 01 26 73-0002 Production Milling Of Roads And Parking Areas <small>(32 01 26 73-0001)</small>		
<i>Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.</i>		
32 01 26 73-0003 SY Production Milling Of Concrete Per Inch.....	7.20	
32 01 26 73-0004 Limited Production Milling <small>(32 01 26 73-0001)</small>		
<i>Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.</i>		
32 01 26 73-0005 SY Limited Production Milling Of Concrete Per Inch.....	45.20	
32 01 29 Rigid Paving Repair <small>(32 01)</small>		
32 01 29 61 Partial Depth Patching of Rigid Paving <small>(32 01 29)</small>		
32 01 29 61-0001 Hot Applied Flexible Concrete Repair <small>(32 01 29 61)</small>		
<i>Note: Excludes saw cutting (where required), flagmen.</i>		
32 01 29 61-0002 EA Hot Applied Flexible Concrete Repair Minimum Charge.....	1,243.57	
<i>Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphaltcharge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.</i>		
32 01 29 61-0003 SF Up To 2" Depth, Hot Applied Flexible Concrete Repair	69.35	
<i>For >25 SF Quantity, Deduct</i>		
	-6.94	
32 01 29 61-0004 SF >2" To 4" Depth, Hot Applied Flexible Concrete Repair.....	130.31	
<i>For >25 SF Quantity, Deduct</i>		
	-13.03	
32 01 29 61-0005 SF >4" To 6" Depth, Hot Applied Flexible Concrete Repair.....	190.72	
<i>For >25 SF Quantity, Deduct</i>		
	-19.07	

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 29 Rigid Paving Repair**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01	29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair..... <i>For >25 SF Quantity, Deduct</i>	251.11	-25.11
32 01	29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair..... <i>For >25 SF Quantity, Deduct</i>	311.52	-31.15
32 01	29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	371.35	
32 01 29 61-0009 Cold Applied Flexible Concrete Repair (32 01 29 61)					
32 01	29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	6.79	
32 01	29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	9.79	
32 01	29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	12.89	
32 01	29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	16.09	
32 01	29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	22.98	
32 01	29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	6.88	
32 01	29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	9.87	
32 01	29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	12.98	
32 01	29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.18	
32 01	29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.07	
32 01	29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	6.84	
32 01	29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	9.83	
32 01	29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	12.93	
32 01	29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	16.14	
32 01	29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	23.02	

32 01 90 Operation and Maintenance of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing (32 01 90)

32 01	90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	15.52	
32 01	90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	11.39	
32 01	90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	12.43	
32 01	90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	10.22	

32 01 90 19 Mowing (32 01 90)

32 01	90 19-0001	ACR	Vegetation Cutting By Bush Hog	214.66	
Note: Includes normal debris removal, cutting, and trimming.					
<i>For <1 Acre, Add</i>					
32 01	90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF.....	7.48	
32 01	90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	5.79	
32 01	90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	25.59	
<i>For Work On Slopes >2:1, Add</i>					
<i>For Clearing Light Brush, Add</i>					
32 01	90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF.....	21.50	
<i>For Work On Slopes >2:1, Add</i>					
<i>For Clearing Light Brush, Add</i>					
32 01	90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	22.04	

32 01 90 23 Pruning (32 01 90)**32 01 90 23-0001 Tree Pruning (32 01 90 23)**

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01	90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	32.19	
32 01	90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	36.78	
32 01	90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	41.38	
32 01	90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	45.99	
32 01	90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	69.88	
32 01	90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	116.27	
32 01	90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	122.29	
32 01	90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	221.43	
32 01	90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	195.84	
32 01	90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	354.21	
32 01	90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	226.29	
32 01	90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	409.62	
32 01	90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	263.05	
32 01	90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	476.05	
32 01	90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	320.21	
32 01	90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	575.79	
32 01	90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	397.77	
32 01	90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	725.67	
32 01	90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	544.81	
32 01	90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	983.52	
32 01	90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	864.32	
32 01	90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,581.66	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 23-0025

Tree Pruning; Crown Thinning (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	39.45
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	45.06
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	50.67
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	56.37
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	85.61
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	142.38
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	149.81
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	271.25
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	239.93
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	433.89
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	277.18
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	501.76
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	322.24
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	583.15
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	392.23
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	705.38
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	487.22
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	888.94
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	667.38
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,204.81
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,058.78
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,937.53

32 01 90 23-0048

Tree Pruning; Crown Raising (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	43.50
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	49.66
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	55.92
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	62.07
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	94.35
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	157.00
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	165.07
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	298.94
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	264.40
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	478.18
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	305.51
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	553.03
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	355.16
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	642.71
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	432.32
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	777.34
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	536.98
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	979.62
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	735.53
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,327.71
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,166.84
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,135.27

32 01 90 23-0071

Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	46.72
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	53.34
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	60.05
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	66.67
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	101.34
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	168.62
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	177.31
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	321.08
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	283.99
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	513.61
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	328.13
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	593.99
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	381.47

32 Exterior Improvements
32 01 Operation and Maintenance of Exterior Improvements
32 01 90 Operation and Maintenance of Planting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	690.31	
	32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	464.33	
	32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	834.91	
	32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	576.80	
	32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,052.24	
	32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	789.97	
	32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,426.13	
	32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	1,253.28	
	32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	2,293.37	

32 01 90 23-0094 Tree Pruning; Crown Restoration (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

	32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	53.62	
	32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	61.34	
	32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	68.97	
	32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	76.61	
	32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	116.43	
	32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	193.75	
	32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	203.79	
	32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	369.02	
	32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	326.38	
	32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	590.34	
	32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	377.14	
	32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	682.68	
	32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	438.39	
	32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	793.40	
	32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	533.67	
	32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	959.68	
	32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	662.97	
	32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,209.47	
	32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	908.05	
	32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,639.26	
	32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,440.52	
	32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,636.15	

32 01 90 23-0117 Palm Tree Pruning (32 01 90 23)

	32 01 90 23-0118	EA	Trim Mexican Palm Tree.....	97.50	
	32 01 90 23-0119	EA	Trim Date Palm Tree.....	220.01	
	32 01 90 23-0120	LF	Skin Palm Tree.....	25.00	
	32 01 90 23-0121	EA	Trim And Skin Palm Tree, Up To 30' Height.....	94.11	
	32 01 90 23-0122	EA	Trim And Skin Palm Tree, >30' To 60' Height.....	116.25	
	32 01 90 23-0123	EA	Trim And Skin Palm Tree, >60' To 80' Height.....	130.09	

32 01 90 23-0124 Shrub Pruning (32 01 90 23)

	32 01 90 23-0125	MSF	Shrub Pruning, Prune, Shrub Bed.....	104.79	
	32 01 90 23-0126	EA	Shrub Pruning, Prune, Shrub Under 3' Height.....	3.68	
	32 01 90 23-0127	EA	Shrub Pruning, Prune, Shrub 4' Height.....	8.28	
	32 01 90 23-0128	EA	Shrub Pruning, Prune, Shrub Over 6'.....	14.71	
	32 01 90 23-0129	EA	Shrub Pruning, Prune Trees From Ground.....	36.78	
	32 01 90 23-0130	EA	Shrub Pruning, Prune Trees From Ground, High Work.....	91.96	

32 01 90 23-0131 Root Pruning (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

	32 01 90 23-0132	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	18.40	
	32 01 90 23-0133	EA	Root Pruning, One Side Of 2" Caliper Tree.....	22.99	
	32 01 90 23-0134	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree.....	27.59	
	32 01 90 23-0135	EA	Root Pruning, One Side Of 3" Caliper Tree.....	36.78	
	32 01 90 23-0136	EA	Root Pruning, One Side Of 4" Caliper Tree.....	55.18	
	32 01 90 23-0137	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree.....	68.97	
	32 01 90 23-0138	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree.....	96.56	
	32 01 90 23-0139	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree.....	110.36	
	32 01 90 23-0140	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree.....	128.75	
	32 01 90 23-0141	EA	Root Pruning, One Side Of >18" To 24" Caliper Tree.....	160.93	
	32 01 90 23-0142	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree.....	197.72	
	32 01 90 23-0143	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree.....	229.91	
	32 01 90 23-0144	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree.....	252.90	
	32 01 90 23-0145	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree.....	275.89	

32 01 90 26 Watering (32 01 90)



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001	Watering Lawns, Plants And Trees <small>(32 01 90 26)</small>		
	Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002	MSF Watering Sod/Grass, Per Inch Of Water.....	48.17	
32 01 90 26-0003	CSF Watering Groundcover.....	7.42	
32 01 90 26-0004	CSF Watering Annuals And Perennials.....	13.13	
32 01 90 26-0005	EA Watering Trees, 1-1/2" To 5" Diameter By Hand.....	25.33	
32 01 90 26-0006	EA Watering Trees, 6" To 12" Diameter By Hand.....	33.30	
32 01 90 26-0007	EA Watering Trees, 13" To 18" Diameter By Hand.....	41.28	
32 01 90 26-0008	EA Watering Trees, >18" Diameter By Hand.....	50.82	
32 01 90 26-0009	EA Watering Shrub Or Bush By Hand.....	12.74	

32 01 90 36 Weed and Brush Control (32 01 90)

32 01 90 36-0001	Herbicide, Push Or Hand Spreader Applied <small>(32 01 90 36)</small>		
32 01 90 36-0002	MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	8.60	
	For >45 To 90, Deduct	-0.47	
	For >90 To 225, Deduct	-1.33	
	For >225 To 870, Deduct	-2.19	
	For >870, Deduct	-2.66	
32 01 90 36-0003	MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF).....	9.26	
	For >45 To 90, Deduct	-0.54	
	For >90 To 225, Deduct	-1.46	
	For >225 To 870, Deduct	-2.39	
	For >870, Deduct	-2.93	
32 01 90 36-0004	MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	9.22	
	Note: Includes pre and post emergent.		
	For >45 To 90, Deduct	-0.53	
	For >90 To 225, Deduct	-1.45	
	For >225 To 870, Deduct	-2.38	
	For >870, Deduct	-2.91	
32 01 90 36-0005	MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	9.63	
	Note: Includes pre and post emergents.		
	For >45 To 90, Deduct	-0.57	
	For >90 To 225, Deduct	-1.54	
	For >225 To 870, Deduct	-2.50	
	For >870, Deduct	-3.07	

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF Pesticide - Surface Eating.....	11.84	
32 01 90 39-0002	MSF Pesticide - Subsurface Eating.....	11.88	
32 01 90 39-0003	MSF Pesticide - Fungicide Application.....	12.81	

32 01 90 43 Weed and Cultivate Beds (32 01 90)

32 01 90 43-0001	MSF Weed Mulched Bed.....	45.00	
32 01 90 43-0002	MSF Weed Unmulched Bed.....	128.55	
32 01 90 43-0003	MSF Cultivate Bed.....	69.22	

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF Trim 0-5' High Hedge, 0-3' Wide.....	6.03	
32 01 90 46-0002	LF Trim 0-5' High Hedge, 4-6' Wide.....	9.04	
32 01 90 46-0003	LF Trim 5-10' High Hedge, 0-3' Wide.....	13.69	
32 01 90 46-0004	LF Trim 5-10' High Hedge, 4-6' Wide.....	13.95	

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA Plant Growth Regulator Application.....	6.59	
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32 05 Common Work Results for Exterior Improvements (32)

32 05 33 Common Work Results for Planting (32 05)

32 05 33 00-0001	Decorative Landscape Boulders <small>(32 05 33)</small>		
	Note: Includes delivery of materials and placement.		
32 05 33 00-0002	EA 1 -6" x 2' x 1' Oval Shape Boulders (approx 250 lbs each).....	84.72	
32 05 33 00-0003	EA 1 -6" x 2' x 1'-6" Oval Shape Boulders (approx 375 lbs each).....	127.08	
32 05 33 00-0004	EA 2' x 2' x 1'-6" Oval Shape Boulders (approx 500 lbs each).....	169.43	
32 05 33 00-0005	EA 2' x 2' x 2' Oval Shape Boulders (approx 667 lbs each).....	226.04	
32 05 33 00-0006	EA 2' x 3' x 1'-6" Oval Shape Boulders (approx 750 lbs each).....	254.43	
32 05 33 00-0007	EA 2' x 3' x 2' Oval Shape Boulders (approx 1000 lbs each).....	339.24	
32 05 33 00-0008	EA 2'-6" x 3' x 2' Oval Shape Boulders (approx 1250 lbs each).....	424.04	
32 05 33 00-0009	EA 3' x 3' x 2' Oval Shape Boulders (approx 1500 lbs each).....	508.86	
32 05 33 00-0010	EA 3' x 3'-6" x 2' Oval Shape Boulders (approx 1750 lbs each).....	593.66	

32 Exterior Improvements
32 05 Common Work Results for Exterior Improvements
32 05 33 Common Work Results for Planting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 05 33 00-0011	EA		3' x 4' x 2' Oval Shape Boulders (approx 2000 lbs each)	678.46	
32 05 33 00-0012	EA		3' x 3' x 3' Oval Shape Boulders (approx 2250 lbs each)	763.27	
32 05 33 00-0013	EA		3' x 4' x 2'-6" Oval Shape Boulders (approx 2500 lbs each)	848.07	
32 05 33 00-0014	EA		3' x 4' x 3' Oval Shape Boulders (approx 3000 lbs each)	1,017.70	
32 05 33 00-0015	TON		Landscape Boulders	678.46	

32 10 Bases, Ballasts, and Paving ⁽³²⁾

32 11 Base Courses ^(32 10)

32 11 16 Subbase Courses ^(32 11)

32 11 16 16 Aggregate Subbase Courses ^(32 11 16)

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas ^(32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY ^(32 11 16 16-0001)

32 11 16 16-0003	CY		Class II Graded Crushed Aggregate Roadway Base Course	111.39	
32 11 16 16-0004	CY		Class III Graded Crushed Aggregate Roadway Base Course	106.65	

32 11 16 16-0005 Class II Base Courses By The SY ^(32 11 16 16-0001)

32 11 16 16-0006	SY		2" Class II Graded Crushed Aggregate Base Course	6.15	
			<i>For Up To 500, Add</i>	1.56	
			<i>For >500 To 1,000, Add</i>	0.62	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000, Deduct</i>	-0.40	
32 11 16 16-0007	SY		4" Class II Crushed Aggregate Base Course	12.30	
			<i>For Up To 500, Add</i>	3.11	
			<i>For >500 To 1,000, Add</i>	1.23	
			<i>For >5,000 To 10,000, Deduct</i>	-0.47	
			<i>For >10,000, Deduct</i>	-0.80	
32 11 16 16-0008	SY		6" Class II Crushed Aggregate Base Course	18.45	
			<i>For Up To 500, Add</i>	4.67	
			<i>For >500 To 1,000, Add</i>	1.85	
			<i>For >5,000 To 10,000, Deduct</i>	-0.70	
			<i>For >10,000, Deduct</i>	-1.20	
32 11 16 16-0009	SY		9" Class II Crushed Aggregate Base Course	27.68	
			<i>For Up To 500, Add</i>	7.00	
			<i>For >500 To 1,000, Add</i>	2.77	
			<i>For >5,000 To 10,000, Deduct</i>	-1.05	
			<i>For >10,000, Deduct</i>	-1.80	
32 11 16 16-0010	SY		12" Class II Crushed Aggregate Base Course	36.90	
			<i>For Up To 500, Add</i>	9.33	
			<i>For >500 To 1,000, Add</i>	3.69	
			<i>For >5,000 To 10,000, Deduct</i>	-1.40	
			<i>For >10,000, Deduct</i>	-2.40	

32 11 23 Aggregate Base Courses ^(32 11)

32 11 23 16 Aggregate Base Courses ^(32 11 23)

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) ^(32 11 23 16)

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF		2" Crushed Aggregate Base Course For Sidewalks	0.77	
			<i>For Up To 1,000, Add</i>	0.21	
			<i>For >1,000 To 2,500, Add</i>	0.08	
32 11 23 16-0003	SF		3" Crushed Aggregate Base Course For Sidewalks	1.07	
			<i>For Up To 1,000, Add</i>	0.29	
			<i>For >1,000 To 2,500, Add</i>	0.11	
32 11 23 16-0004	SF		4" Crushed Aggregate Base Course For Sidewalks	1.39	
			<i>For Up To 1,000, Add</i>	0.38	
			<i>For >1,000 To 2,500, Add</i>	0.14	
32 11 23 16-0005	SF		5" Crushed Aggregate Base Course For Sidewalks	1.80	
			<i>For Up To 1,000, Add</i>	0.50	
			<i>For >1,000 To 2,500, Add</i>	0.18	
32 11 23 16-0006	SF		6" Crushed Aggregate Base Course For Sidewalks	2.22	
			<i>For Up To 1,000, Add</i>	0.61	
			<i>For >1,000 To 2,500, Add</i>	0.22	
32 11 23 16-0007	SF		7" Crushed Aggregate Base Course For Sidewalks	2.56	
			<i>For Up To 1,000, Add</i>	0.70	
			<i>For >1,000 To 2,500, Add</i>	0.26	
32 11 23 16-0008	SF		8" Crushed Aggregate Base Course For Sidewalks	2.90	
			<i>For Up To 1,000, Add</i>	0.80	
			<i>For >1,000 To 2,500, Add</i>	0.29	

32 11 26 Asphaltic Base Courses ^(32 11)

32 11 26 19 Bituminous-Stabilized Base Courses ^(32 11 26)



Exterior Improvements	32
Bases, Ballasts, and Paving	32 10
Base Courses	32 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 11 26 19-0001	Bituminous-Stabilized Base Courses <small>(32 11 26 19)</small>	
32 11 26 19-0002	CY Bituminous Stabilized Base Course..... Note: 3/4" ASTM C33.	104.56

32 12 Flexible Paving (32 10)

32 12 13 Preparatory Coats (32 12)

32 12 13 13 Tack Coats (32 12 13)

32 12 13 13-0001	SY Tack Coat, 0.04 Gallon/SY	0.64
	<i>For Up To 150, Add</i>	0.12
	<i>For >150 To 300, Add</i>	0.06
	<i>For >300 To 500, Add</i>	0.03
	<i>For >3,500 To 5,000, Deduct</i>	-0.02
	<i>For >5,000, Deduct</i>	-0.04
32 12 13 13-0002	SY Tack Coat, 0.05 Gallon/SY	0.71
	<i>For Up To 150, Add</i>	0.14
	<i>For >150 To 300, Add</i>	0.07
	<i>For >300 To 500, Add</i>	0.04
	<i>For >3,500 To 5,000, Deduct</i>	-0.02
	<i>For >5,000, Deduct</i>	-0.04
32 12 13 13-0003	SY Tack Coat, 0.07 Gallon/SY	0.84
	<i>For Up To 150, Add</i>	0.17
	<i>For >150 To 300, Add</i>	0.08
	<i>For >300 To 500, Add</i>	0.04
	<i>For >3,500 To 5,000, Deduct</i>	-0.02
	<i>For >5,000, Deduct</i>	-0.05
32 12 13 13-0004	SY Tack Coat, 0.08 Gallon/SY	0.91
	<i>For Up To 150, Add</i>	0.19
	<i>For >150 To 300, Add</i>	0.09
	<i>For >300 To 500, Add</i>	0.05
	<i>For >3,500 To 5,000, Deduct</i>	-0.02
	<i>For >5,000, Deduct</i>	-0.06
32 12 13 13-0005	SY Tack Coat, 0.10 Gallon/SY	1.05
	<i>For Up To 150, Add</i>	0.23
	<i>For >150 To 300, Add</i>	0.11
	<i>For >300 To 500, Add</i>	0.05
	<i>For >3,500 To 5,000, Deduct</i>	-0.03
	<i>For >5,000, Deduct</i>	-0.07
32 12 13 13-0006	SY Tack Coat, 0.11 Gallon/SY	1.11
	<i>For Up To 150, Add</i>	0.24
	<i>For >150 To 300, Add</i>	0.11
	<i>For >300 To 500, Add</i>	0.06
	<i>For >3,500 To 5,000, Deduct</i>	-0.03
	<i>For >5,000, Deduct</i>	-0.07

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001	SY Surface Prime Coat, 0.26 Gallon/SY	1.88
	<i>For Up To 150, Add</i>	0.42
	<i>For >150 To 300, Add</i>	0.19
	<i>For >300 To 500, Add</i>	0.09
	<i>For >3,500 To 5,000, Deduct</i>	-0.05
	<i>For >5,000, Deduct</i>	-0.13
32 12 13 19-0002	SY Surface Prime Coat, 0.28 Gallon/SY	1.99
	<i>For Up To 150, Add</i>	0.45
	<i>For >150 To 300, Add</i>	0.20
	<i>For >300 To 500, Add</i>	0.10
	<i>For >3,500 To 5,000, Deduct</i>	-0.05
	<i>For >5,000, Deduct</i>	-0.14
32 12 13 19-0003	SY Surface Prime Coat, 0.30 Gallon/SY	2.09
	<i>For Up To 150, Add</i>	0.48
	<i>For >150 To 300, Add</i>	0.21
	<i>For >300 To 500, Add</i>	0.10
	<i>For >3,500 To 5,000, Deduct</i>	-0.05
	<i>For >5,000, Deduct</i>	-0.15

32 12 16 Asphalt Paving (32 12)

32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or prime coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001	Intermediate Binder Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>	
	Note: Meets Caltrans requirements.	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 12 16 13-0002	TON Bituminous Hot Mix Intermediate Binder Course 3,954 LB/CY.....	143.79	
	Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
	For PG64-10 Asphalt, Add	16.55	
	For Up To 25, Add	20.41	
	For >25 To 50, Add	11.38	
	For >500 To 1,000, Deduct	-6.00	
	For >1,000 To 2,500, Deduct	-10.89	
	For >2,500 To 5,000, Deduct	-16.89	
	For >5,000, Deduct	-24.23	
	For Warm Mix Additive, Add	7.17	
32 12 16 13-0003	SY 1" Thick Bituminous Hot Mix Intermediate Binder Course	8.17	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	0.91	
	For Up To 1,000, Add	1.20	
	For >1,000 To 2,000, Add	0.67	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000 To 50,000, Deduct	-0.63	
	For >50,000 To 100,000, Deduct	-0.98	
	For >100,000, Deduct	-1.40	
32 12 16 13-0004	SY 1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	12.12	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	1.36	
	For Up To 700, Add	1.76	
	For >700 To 1,400, Add	0.99	
	For >7,000 To 14,000, Deduct	-0.51	
	For >14,000 To 32,000, Deduct	-0.94	
	For >32,000 To 64,000, Deduct	-1.45	
	For >64,000, Deduct	-2.09	
32 12 16 13-0005	SY 2" Thick Bituminous Hot Mix Intermediate Binder Course	15.61	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	1.82	
	For Up To 500, Add	2.19	
	For >500 To 1,000, Add	1.22	
	For >5,000 To 10,000, Deduct	-0.68	
	For >10,000 To 24,000, Deduct	-1.23	
	For >24,000 To 48,000, Deduct	-1.91	
	For >48,000, Deduct	-2.74	
32 12 16 13-0006	SY 2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	19.73	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	2.27	
	For Up To 400, Add	2.80	
	For >400 To 800, Add	1.56	
	For >4,000 To 8,000, Deduct	-0.85	
	For >8,000 To 20,000, Deduct	-1.55	
	For >20,000 To 40,000, Deduct	-2.40	
	For >40,000, Deduct	-3.44	
32 12 16 13-0007	SY 3" Thick Bituminous Hot Mix Intermediate Binder Course	23.69	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	2.73	
	For Up To 340, Add	3.36	
	For >340 To 680, Add	2.78	
	For >3,400 To 6,800, Deduct	-1.02	
	For >6,800 To 17,000, Deduct	-1.86	
	For >17,000 To 34,000, Deduct	-2.88	
	For >34,000, Deduct	-4.13	
32 12 16 13-0008	SY 3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	27.64	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	3.18	
	For Up To 280, Add	3.92	
	For >280 To 560, Add	2.19	
	For >2,800 To 5,600, Deduct	-1.19	
	For >5,600 To 14,000, Deduct	-2.17	
	For >14,000 To 28,000, Deduct	-3.35	
	For >28,000, Deduct	-4.82	
32 12 16 13-0009	SY 4" Thick Bituminous Hot Mix Intermediate Binder Course	31.57	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	3.63	
	For Up To 250, Add	4.48	
	For >250 To 500, Add	2.50	
	For >2,500 To 5,000, Deduct	-1.36	
	For >5,000 To 12,000, Deduct	-2.47	
	For >12,000 To 24,000, Deduct	-3.83	
	For >24,000, Deduct	-5.51	
32 12 16 13-0010	SY 5" Thick Bituminous Hot Mix Intermediate Binder Course	39.48	
	Note: Includes placement, rolling, finishing and sweeping.		
	For PG64-10 Asphalt, Add	4.54	
	For Up To 200, Add	5.60	
	For >200 To 400, Add	3.12	
	For >2,000 To 4,000, Deduct	-1.70	
	For >4,000 To 10,000, Deduct	-3.09	
	For >10,000 To 20,000, Deduct	-4.79	
	For >20,000, Deduct	-6.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0011 SY 6" Thick Bituminous Hot Mix Intermediate Binder Course 47.37 Note: Includes placement, rolling, finishing and sweeping. <i>For PG64-10 Asphalt, Add</i> 5.45 <i>For Up To 160, Add</i> 6.72 <i>For >160 To 320, Add</i> 3.75 <i>For >1,600 To 3,200, Deduct</i> -2.04 <i>For >3,200 To 8,000, Deduct</i> -3.71 <i>For >8,000 To 16,000, Deduct</i> -5.75 <i>For >16,000, Deduct</i> -8.26		
32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA) (32 12 16 13) Note: Meets Caltrans requirements.		
32 12 16 13-0013 TON Bituminous Hot Mix Surface Course 3954 LB/CY 147.12 Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section. <i>For PG64-10 Asphalt, Add</i> 2.63 <i>For Up To 25, Add</i> 22.25 <i>For >25 To 50, Add</i> 12.59 <i>For >500 To 1,000, Deduct</i> -5.87 <i>For >1,000 To 2,500, Deduct</i> -10.68 <i>For >2,500 To 5,000, Deduct</i> -16.55 <i>For >5,000, Deduct</i> -23.77 <i>For Warm Mix Additive, Add</i> 6.84		
32 12 16 13-0014 TON Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) 163.57 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. <i>For Up To 25, Add</i> 25.15 <i>For >25 To 50, Add</i> 14.28 <i>For >500 To 1,000, Deduct</i> -6.44 <i>For Warm Mix Additive, Add</i> 7.46		
32 12 16 13-0015 TON Asphalt Rubberized Hot Mix (ARHM) Surface Course 174.09 Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. <i>For Up To 25, Add</i> 26.20 <i>For >25 To 50, Add</i> 14.81 <i>For >500 To 1,000, Deduct</i> -6.97 <i>For >1,000 To 2,500, Deduct</i> -12.68 <i>For >2,500 To 5,000, Deduct</i> -19.65 <i>For >5,000, Deduct</i> -28.22 <i>For Warm Mix Additive, Add</i> 8.14		
32 12 16 13-0016 SY 1" Thick Bituminous Hot Mix Surface Wearing Course 8.04 Note: Includes placement, rolling, finishing and sweeping. <i>For PG64-10 Asphalt, Add</i> 0.14 <i>For Up To 1,000, Add</i> 1.26 <i>For >1,000 To 2,000, Add</i> 0.72 <i>For >10,000 To 20,000, Deduct</i> -0.33 <i>For >20,000 To 50,000, Deduct</i> -0.60 <i>For >50,000 To 100,000, Deduct</i> -0.92 <i>For >100,000, Deduct</i> -1.33		
32 12 16 13-0017 SY 1-1/2" Thick Bituminous Hot Mix Surface Wearing Course 11.90 Note: Includes placement, rolling, finishing and sweeping. <i>For PG64-10 Asphalt, Add</i> 0.21 <i>For Up To 700, Add</i> 1.84 <i>For >700 To 1,400, Add</i> 1.05 <i>For >7,000 To 14,000, Deduct</i> -0.49 <i>For >14,000 To 32,000, Deduct</i> -0.89 <i>For >32,000 To 64,000, Deduct</i> -1.38 <i>For >64,000, Deduct</i> -1.98		
32 12 16 13-0018 SY 2" Thick Bituminous Hot Mix Surface Wearing Course 15.21 Note: Includes placement, rolling, finishing and sweeping. <i>For PG64-10 Asphalt, Add</i> 0.28 <i>For Up To 500, Add</i> 2.27 <i>For >500 To 1,000, Add</i> 1.28 <i>For >5,000 To 10,000, Deduct</i> -0.64 <i>For >10,000 To 24,000, Deduct</i> -1.16 <i>For >24,000 To 48,000, Deduct</i> -1.80 <i>For >48,000, Deduct</i> -2.58		
32 12 16 13-0019 SY 2-1/2" Thick Bituminous Hot Mix Surface Wearing Course 19.27 Note: Includes placement, rolling, finishing and sweeping. <i>For PG64-10 Asphalt, Add</i> 0.34 <i>For Up To 400, Add</i> 2.91 <i>For >400 To 800, Add</i> 1.65 <i>For >4,000 To 8,000, Deduct</i> -0.80 <i>For >8,000 To 20,000, Deduct</i> -1.46 <i>For >20,000 To 40,000, Deduct</i> -2.26 <i>For >40,000, Deduct</i> -3.25		
32 12 16 13-0020 SY 3" Thick Bituminous Hot Mix Surface Wearing Course 23.13 Note: Includes placement, rolling, finishing and sweeping. <i>For PG64-10 Asphalt, Add</i> 0.41 <i>For Up To 340, Add</i> 3.50 <i>For >340 To 680, Add</i> 2.81 <i>For >3,400 To 6,800, Deduct</i> -0.96 <i>For >6,800 To 17,000, Deduct</i> -1.75 <i>For >17,000 To 34,000, Deduct</i> -2.71 <i>For >34,000, Deduct</i> -3.90		
32 12 16 13-0021 CSF Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench 96.16		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 16 13-0022	Hand Placed, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>		
32 12 16 13-0023	TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY	381.57	
	Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 13-0024	AC Dikes <small>(32 12 16 13)</small>		
	See CSI section 32 11 23 16-0001 for base course.		
32 12 16 13-0025	LF Type A, Asphalt Concrete Dike	14.28	5.61
	For Up To 100, Add	6.37	
	For >100 To 500, Add	1.84	
	For >1,000 To 5,000, Deduct	-1.12	
	For >5,000, Deduct	-1.84	
32 12 16 13-0026	LF Type C, Asphalt Concrete Dike	12.08	5.61
	For Up To 100, Add	5.82	
	For >100 To 500, Add	1.73	
	For >1,000 To 5,000, Deduct	-1.12	
	For >5,000, Deduct	-1.73	
32 12 16 13-0027	LF Type D, Asphalt Concrete Dike	17.89	5.61
	For Up To 100, Add	7.28	
	For >100 To 500, Add	2.02	
	For >1,000 To 5,000, Deduct	-1.12	
	For >5,000, Deduct	-2.02	
32 12 16 13-0028	LF Type E, Asphalt Concrete Dike	14.20	5.61
	For Up To 100, Add	6.35	
	For >100 To 500, Add	1.83	
	For >1,000 To 5,000, Deduct	-1.12	
	For >5,000, Deduct	-1.83	
32 12 16 13-0029	LF Type F, Asphalt Concrete Dike	12.72	5.61
	For Up To 100, Add	5.98	
	For >100 To 500, Add	1.76	
	For >1,000 To 5,000, Deduct	-1.12	
	For >5,000, Deduct	-1.76	
32 12 16 13-0030	Ditch Lining <small>(32 12 16 13)</small>		
32 12 16 13-0031	SY 4" Concrete Ditch Pavement	65.47	
32 12 16 13-0032	SY 4" Asphalt Ditch Pavement	50.91	
32 12 16 13-0033	SY 4" Soil-Cement Ditch Pavement	7.38	
32 12 16 13-0034	SY 4" Rip-Rap Ditch Pavement	11.77	
32 12 16 19	Cold-Mix Asphalt Paving <small>(32 12 16)</small>		
	Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001	Cold Mix Asphalt (CMA) Pavement <small>(32 12 16 19)</small>		
	Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	12.96	
32 12 16 19-0003	SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	12.56	
32 12 16 19-0004	SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	19.69	
32 12 16 39	Paving Fabrics <small>(32 12 16)</small>		
	See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001	Geotextile Paving Fabrics <small>(32 12 16 39)</small>		
32 12 16 39-0002	SY 3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.95	
	For Up To 50, Add	0.43	
	For >50 To 150, Add	0.32	
	For >150 To 250, Add	0.21	
	For >250 To 500, Add	0.10	
32 12 16 39-0003	SY 4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.10	
	For Up To 50, Add	0.46	
	For >50 To 150, Add	0.34	
	For >150 To 250, Add	0.22	
	For >250 To 500, Add	0.11	
32 12 16 43	Waterproofing Membranes <small>(32 12 16)</small>		
32 12 16 43-0001	Waterproofing Membranes <small>(32 12 16 43)</small>		
32 12 16 43-0002	SY Up To 500 SY, Preformed Rubberized Asphalt Membrane	36.48	
32 12 16 43-0003	SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	27.11	
32 12 16 43-0004	SY >1,000 SY, Preformed Rubberized Asphalt Membrane	16.46	
32 12 33	Flexible Paving Surface Treatments <small>(32 12)</small>		
32 12 33 00-0001	Bituminous Surface Treatment For Roadways <small>(32 12 33)</small>		
	Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002	SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	3.11	
32 12 33 00-0003	SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.63	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Flexible Paving	32 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 33 00-0004 Bituminous Surface Treatment For Trails ^(32 12 33) Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005 SY Bituminous Surface Treatment, For Trails	2.08	
32 12 36 Seal Coats ^(32 12) See CSI section 32 01 13 62-0000 for slurry seal.		
32 12 36 13 Asphaltic Seal and Fog Coats ^(32 12 36)		
32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) ^(32 12 36 13) Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) ^(32 12 36 13-0001) Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0003 SY Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.10	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0004 SY >200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.61	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0005 SY >500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.38	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0006 SY >1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.13	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0007 SY >5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.00	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0008 SY >10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.90	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0009 SY >20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.76	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0010 SY >50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.70	
For Each Additional 0.5% Latex Additive, Add	0.57	
32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) ^(32 12 36 13-0001) Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0012 SY Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.95	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0013 SY >200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.40	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0014 SY >500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.12	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0015 SY >1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.97	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0016 SY >5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.66	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0017 SY >10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.47	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0018 SY >20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.31	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0019 SY >50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.23	
For Each Additional 0.5% Latex Additive, Add	0.71	
32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) ^(32 12 36 13-0001) Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0021 SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.71	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0022 SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.09	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0023 SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.76	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0024 SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.41	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0025 SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.22	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0026 SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.95	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0027 SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.76	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0028 SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.67	
For Each Additional 0.5% Latex Additive, Add	0.85	
32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) ^(32 12 36 13-0001) Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030 SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.79	
For Each Additional 0.5% Latex Additive, Add	0.97	
32 12 36 13-0031 SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.16	
For Each Additional 0.5% Latex Additive, Add	0.97	

32 Exterior Improvements

32 10 Bases, Ballasts, and Paving

32 12 Flexible Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36	13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.84 0.97	
32 12 36	13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.49 0.97	
32 12 36	13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.30 0.97	
32 12 36	13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.11 0.97	
32 12 36	13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.85 0.97	
32 12 36	13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.75 0.97	
32 12 36	13-0038		Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) ⁽³²⁾ <small>12 36 13-0001</small> Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36	13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	10.22 1.41	
32 12 36	13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	9.40 1.41	
32 12 36	13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	8.93 1.41	
32 12 36	13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	8.40 1.41	
32 12 36	13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	8.11 1.41	
32 12 36	13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	7.77 1.41	
32 12 36	13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	7.50 1.41	
32 12 36	13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	7.36 1.41	
32 12 36	13-0047		Asphalt Emulsion Seal Coat (Scrub Seal) ^(32 12 36 13) Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.		
32 12 36	13-0048		Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) ^(32 12) <small>36 13-0047</small> Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36	13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.62 0.57	
32 12 36	13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.34 0.57	
32 12 36	13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.14 0.57	
32 12 36	13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.93 0.57	
32 12 36	13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.81 0.57	
32 12 36	13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.71 0.57	
32 12 36	13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.60 0.57	
32 12 36	13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	3.56 0.57	
32 12 36	13-0057		Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) ^(32 12 36 13-0047) Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36	13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.50 0.71	
32 12 36	13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	5.17 0.71	
32 12 36	13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.94 0.71	
32 12 36	13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.79 0.71	
32 12 36	13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.48 0.71	
32 12 36	13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.29 0.71	
32 12 36	13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.16 0.71	
32 12 36	13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <i>For Each Additional 0.5% Latex Additive, Add</i>	4.11 0.71	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0066	Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <small>(32 12 36 13-0047)</small>			
		Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0067	SY Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		6.31	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0068	SY >200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.88	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0069	SY >500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.58	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0070	SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.23	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0071	SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.05	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0072	SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		4.77	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0073	SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		4.60	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0074	SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		4.54	
	For Each Additional 0.5% Latex Additive, Add		0.85	
32 12 36 13-0075	Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) <small>(32 12 36 13-0047)</small>			
		Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0076	SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		6.40	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0077	SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.98	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0078	SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.65	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0079	SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.29	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0080	SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		5.11	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0081	SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		4.94	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0082	SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		4.69	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0083	SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)		4.63	
	For Each Additional 0.5% Latex Additive, Add		0.97	
32 12 36 13-0084	Fog Seal, CQS-1h <small>(32 12 36 13)</small>			
		Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0085	SY Up To 200 SY, CQS-1h, Fog Seal		1.92	
32 12 36 13-0086	SY >200 To 500 SY, CQS-1h, Fog Seal		1.39	
32 12 36 13-0087	SY >500 To 1,000 SY, CQS-1h, Fog Seal		1.19	
32 12 36 13-0088	SY >1,000 To 5,000 SY, CQS-1h, Fog Seal		1.02	
32 12 36 13-0089	SY >5,000 To 10,000 SY, CQS-1h, Fog Seal		0.92	
32 12 36 13-0090	SY >10,000 To 20,000 SY, CQS-1h, Fog Seal		0.85	
32 12 36 13-0091	SY >20,000 To 50,000 SY, CQS-1h, Fog Seal		0.80	
32 12 36 13-0092	SY >50,000 SY, CQS-1h, Fog Seal		0.77	
32 12 36 13-0093	Sand Sealer <small>(32 12 36 13)</small>			
		Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0094	SY Up To 200 SY, Sand Seal		2.88	
32 12 36 13-0095	SY >200 To 500 SY, Sand Seal		1.92	
32 12 36 13-0096	SY >500 To 1,000 SY, Sand Seal		1.89	
32 12 36 13-0097	SY >1,000 To 5,000 SY, Sand Seal		1.68	
32 12 36 13-0098	SY >5,000 To 10,000 SY, Sand Seal		1.56	
32 12 36 13-0099	SY >10,000 To 20,000 SY, Sand Seal		1.46	
32 12 36 13-0100	SY >20,000 To 50,000 SY, Sand Seal		1.38	
32 12 36 13-0101	SY >50,000 SY, Sand Seal		1.36	
32 12 36 16	Coal Tar Seal Coats <small>(32 12 36)</small>			
32 12 36 16-0001	Thermoplastic Coal-Tar Asphalt Seal <small>(32 12 36 16)</small>			
		Note: Includes sweeping and cleaning of area.		
32 12 36 16-0002	SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal		16.01	
32 12 36 16-0003	SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal		15.08	
32 12 36 16-0004	SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal		13.29	
32 12 36 16-0005	SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal		11.95	
32 12 36 16-0006	SY >20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal		10.17	
32 12 36 16-0007	SY >50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal		8.38	
32 12 36 16-0008	SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal		19.49	
32 12 36 16-0009	SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal		18.44	
32 12 36 16-0010	SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal		16.29	
32 12 36 16-0011	SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal		14.70	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	12.57	
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	10.42	
32 12 43 Porous Flexible Paving (32 12)				
32 12 43 00-0001		Flexible Recycled Plastic Porous Grid (32 12 43)		
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	39.35	
		Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
		For Up To 100, Add	13.18	
		For >100 To 500, Add	3.31	
		For >1,000 To 5,000, Deduct	-1.34	
		For >5,000, Deduct	-2.79	
32 12 73 Asphalt Paving Joint Sealants (32 12)				
32 12 73 00-0001		Expansion Joint In Sidewalk (32 12 73)		
32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.51	
32 13 Rigid Paving (32 10)				
32 13 13 Concrete Paving (32 13)				
		Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
32 13 13 33 Plain Concrete Paving (32 13 13)				
32 13 13 33-0001		Concrete Paving Assemblies (32 13 13 33)		
		Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002		4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)		
32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	60.56	
		For 2,500 PSI Concrete, Deduct	-3.49	
		For 3,000 PSI Concrete, Deduct	-2.28	
		For 3,500 PSI Concrete, Deduct	-1.82	
		For 4,000 PSI Concrete, Deduct	-0.79	
		For 5,000 PSI Concrete, Add	0.49	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.95	
		For <12' Wide Pass, Add	10.59	
		For 24' Or Greater Wide Pass, Deduct	-12.11	
		For Air Entrainment, Add	1.52	
		For Slipforming, Deduct	-6.06	
		For Up To 100, Add	24.19	
		For >100 To 250, Add	13.61	
		For >250 To 500, Add	6.81	
		For >1,000 To 2,000, Deduct	-1.52	
		For >2,000 To 5,000, Deduct	-3.03	
		For >5,000 To 10,000, Deduct	-4.55	
		For >10,000 To 20,000, Deduct	-6.06	
		For >20,000, Deduct	-7.57	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	71.65	
		For 2,500 PSI Concrete, Deduct	-4.38	
		For 3,000 PSI Concrete, Deduct	-2.86	
		For 3,500 PSI Concrete, Deduct	-2.29	
		For 4,000 PSI Concrete, Deduct	-0.99	
		For 5,000 PSI Concrete, Add	0.61	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.95	
		For <12' Wide Pass, Add	12.20	
		For 24' Or Greater Wide Pass, Deduct	-14.33	
		For Air Entrainment, Add	1.91	
		For Slipforming, Deduct	-7.17	
		For Up To 100, Add	27.75	
		For >100 To 250, Add	15.78	
		For >250 To 500, Add	7.89	
		For >1,000 To 2,000, Deduct	-1.91	
		For >2,000 To 5,000, Deduct	-3.70	
		For >5,000 To 10,000, Deduct	-5.49	
		For >10,000 To 20,000, Deduct	-7.28	
		For >20,000, Deduct	-9.07	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Rigid Paving	32 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13	33-0005	SY	6" 4,500 PSI Concrete Paving Assembly.....	76.54	
			For 2,500 PSI Concrete, Deduct	-4.62	
			For 3,000 PSI Concrete, Deduct	-3.01	
			For 3,500 PSI Concrete, Deduct	-2.41	
			For 4,000 PSI Concrete, Deduct	-1.04	
			For 5,000 PSI Concrete, Add	0.64	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.22	
			For <12' Wide Pass, Add	13.11	
			For 24' Or Greater Wide Pass, Deduct	-15.31	
			For Air Entrainment, Add	2.01	
			For Slipforming, Deduct	-7.65	
			For Up To 100, Add	29.85	
			For >100 To 250, Add	16.93	
			For >250 To 500, Add	8.47	
			For >1,000 To 2,000, Deduct	-2.01	
			For >2,000 To 5,000, Deduct	-3.92	
			For >5,000 To 10,000, Deduct	-5.84	
			For >10,000 To 20,000, Deduct	-7.75	
			For >20,000, Deduct	-9.66	
32 13 13	33-0006	SY	7" 4,500 PSI Concrete Paving Assembly.....	90.96	
			For 2,500 PSI Concrete, Deduct	-5.83	
			For 3,000 PSI Concrete, Deduct	-3.80	
			For 3,500 PSI Concrete, Deduct	-3.04	
			For 4,000 PSI Concrete, Deduct	-1.32	
			For 5,000 PSI Concrete, Add	0.81	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.59	
			For <12' Wide Pass, Add	15.14	
			For 24' Or Greater Wide Pass, Deduct	-18.19	
			For Air Entrainment, Add	2.53	
			For Slipforming, Deduct	-9.10	
			For Up To 100, Add	34.30	
			For >100 To 250, Add	19.68	
			For >250 To 500, Add	9.84	
			For >1,000 To 2,000, Deduct	-2.53	
			For >2,000 To 5,000, Deduct	-4.81	
			For >5,000 To 10,000, Deduct	-7.08	
			For >10,000 To 20,000, Deduct	-9.36	
			For >20,000, Deduct	-11.63	
32 13 13	33-0007	SY	8" 4,500 PSI Concrete Paving Assembly.....	103.95	
			For 2,500 PSI Concrete, Deduct	-6.40	
			For 3,000 PSI Concrete, Deduct	-4.17	
			For 3,500 PSI Concrete, Deduct	-3.34	
			For 4,000 PSI Concrete, Deduct	-1.45	
			For 5,000 PSI Concrete, Add	0.89	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.23	
			For <12' Wide Pass, Add	17.64	
			For 24' Or Greater Wide Pass, Deduct	-20.79	
			For Air Entrainment, Add	2.78	
			For Slipforming, Deduct	-10.40	
			For Up To 100, Add	40.12	
			For >100 To 250, Add	22.84	
			For >250 To 500, Add	11.42	
			For >1,000 To 2,000, Deduct	-2.78	
			For >2,000 To 5,000, Deduct	-5.38	
			For >5,000 To 10,000, Deduct	-7.98	
			For >10,000 To 20,000, Deduct	-10.58	
			For >20,000, Deduct	-13.18	
32 13 13	33-0008	SY	9" 4,500 PSI Concrete Paving Assembly.....	117.64	
			For 2,500 PSI Concrete, Deduct	-7.39	
			For 3,000 PSI Concrete, Deduct	-4.82	
			For 3,500 PSI Concrete, Deduct	-3.86	
			For 4,000 PSI Concrete, Deduct	-1.67	
			For 5,000 PSI Concrete, Add	1.03	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.36	
			For <12' Wide Pass, Add	19.77	
			For 24' Or Greater Wide Pass, Deduct	-23.53	
			For Air Entrainment, Add	3.21	
			For Slipforming, Deduct	-11.76	
			For Up To 100, Add	44.87	
			For >100 To 250, Add	25.65	
			For >250 To 500, Add	12.82	
			For >1,000 To 2,000, Deduct	-3.21	
			For >2,000 To 5,000, Deduct	-6.16	
			For >5,000 To 10,000, Deduct	-9.10	
			For >10,000 To 20,000, Deduct	-12.04	
			For >20,000, Deduct	-14.98	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly.....	131.13	
		<i>For 2,500 PSI Concrete, Deduct</i>	-8.13	
		<i>For 3,000 PSI Concrete, Deduct</i>	-5.30	
		<i>For 3,500 PSI Concrete, Deduct</i>	-4.24	
		<i>For 4,000 PSI Concrete, Deduct</i>	-1.84	
		<i>For 5,000 PSI Concrete, Add</i>	1.13	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	9.19	
		<i>For <12' Wide Pass, Add</i>	22.17	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-26.23	
		<i>For Air Entrainment, Add</i>	3.54	
		<i>For Slipforming, Deduct</i>	-13.11	
		<i>For Up To 100, Add</i>	50.39	
		<i>For >100 To 250, Add</i>	28.73	
		<i>For >250 To 500, Add</i>	14.37	
		<i>For >1,000 To 2,000, Deduct</i>	-3.54	
		<i>For >2,000 To 5,000, Deduct</i>	-6.81	
		<i>For >5,000 To 10,000, Deduct</i>	-10.09	
		<i>For >10,000 To 20,000, Deduct</i>	-13.37	
		<i>For >20,000, Deduct</i>	-16.65	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly.....	156.22	
		<i>For 2,500 PSI Concrete, Deduct</i>	-9.63	
		<i>For 3,000 PSI Concrete, Deduct</i>	-6.28	
		<i>For 3,500 PSI Concrete, Deduct</i>	-5.02	
		<i>For 4,000 PSI Concrete, Deduct</i>	-2.18	
		<i>For 5,000 PSI Concrete, Add</i>	1.34	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	10.89	
		<i>For <12' Wide Pass, Add</i>	26.49	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-31.24	
		<i>For Air Entrainment, Add</i>	4.19	
		<i>For Slipforming, Deduct</i>	-15.62	
		<i>For Up To 100, Add</i>	60.24	
		<i>For >100 To 250, Add</i>	34.31	
		<i>For >250 To 500, Add</i>	17.15	
		<i>For >1,000 To 2,000, Deduct</i>	-4.19	
		<i>For >2,000 To 5,000, Deduct</i>	-8.09	
		<i>For >5,000 To 10,000, Deduct</i>	-12.00	
		<i>For >10,000 To 20,000, Deduct</i>	-15.90	
		<i>For >20,000, Deduct</i>	-19.81	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly.....	199.02	
		<i>For 2,500 PSI Concrete, Deduct</i>	-11.83	
		<i>For 3,000 PSI Concrete, Deduct</i>	-7.71	
		<i>For 3,500 PSI Concrete, Deduct</i>	-6.17	
		<i>For 4,000 PSI Concrete, Deduct</i>	-2.67	
		<i>For 5,000 PSI Concrete, Add</i>	1.65	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	13.37	
		<i>For <12' Wide Pass, Add</i>	34.33	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-39.80	
		<i>For Air Entrainment, Add</i>	5.14	
		<i>For Slipforming, Deduct</i>	-19.90	
		<i>For Up To 100, Add</i>	78.28	
		<i>For >100 To 250, Add</i>	44.28	
		<i>For >250 To 500, Add</i>	22.14	
		<i>For >1,000 To 2,000, Deduct</i>	-5.14	
		<i>For >2,000 To 5,000, Deduct</i>	-10.12	
		<i>For >5,000 To 10,000, Deduct</i>	-15.09	
		<i>For >10,000 To 20,000, Deduct</i>	-20.07	
		<i>For >20,000, Deduct</i>	-25.04	

32 13 16 Decorative Concrete Paving (32 13)**32 13 16 13 Patterned Concrete Paving (32 13 16)**

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk.....	5.25	
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32 13 43 Pervious Concrete Paving (32 13)**32 13 43 00-0001 Pervious Concrete Assemblies (32 13 43)**

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	18.04	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For >5,000 To 30,000, Deduct</i>	-1.92	
		<i>For >30,000 To 100,000, Deduct</i>	-3.51	
		<i>For >100,000, Deduct</i>	-4.35	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	22.93	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For >5,000 To 30,000, Deduct</i>	-2.37	
		<i>For >30,000 To 100,000, Deduct</i>	-4.25	
		<i>For >100,000, Deduct</i>	-5.28	

32 13 73 Concrete Paving Joint Sealants (32 13)**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)**



Exterior Improvements	32
Bases, Ballasts, and Paving	32 10
Rigid Paving	32 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 13 73 13-0001	Concrete Pavement Joint And Crack Repair <small>(32 13 73 13)</small>		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	Silicone Concrete Pavement Joint And Crack Repair <small>(32 13 73 13-0001)</small>		
32 13 73 13-0003	CLF 1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	619.35 21.94 31.99 18.28	
32 13 73 13-0004	CLF 1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	700.25 32.91 47.99 27.42	
32 13 73 13-0005	CLF 1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	781.15 43.88 63.99 36.56	
32 13 73 13-0006	CLF 3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	804.00 49.36 71.98 41.13	
32 13 73 13-0007	CLF 3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	890.16 65.81 95.98 54.84	
32 13 73 13-0008	CLF 3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	976.32 82.27 119.97 68.56	
32 13 73 13-0009	CLF 3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,080.07 98.72 143.97 82.27	
32 13 73 13-0010	CLF 1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	999.17 87.75 127.97 73.13	
32 13 73 13-0011	CLF 1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,160.96 109.69 159.96 91.41	
32 13 73 13-0012	CLF 1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,287.57 131.63 191.96 109.69	
32 13 73 13-0013	CLF 1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,414.18 153.57 223.95 127.97	
32 13 73 13-0014	CLF 1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,523.19 175.50 255.94 146.25	
32 13 73 13-0015	CLF 3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,632.18 197.44 287.93 164.53	
32 13 73 13-0016	CLF 3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	1,987.31 274.22 399.91 228.52	
32 13 73 13-0017	CLF 1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair <i>For Custom Match Coloring, Add</i> <i>For 1 Part Mildew Resistant, Add</i> <i>For High-Modulus Non-Acid Curing, Add</i>	2,342.43 351.01 511.89 292.51	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001	Preformed Elastomeric Concrete Pavement Joint And Crack Repair <small>(32 13 73 16)</small>		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Preformed Elastomeric	13.48	

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement <small>(32 13 73 19)</small>		
	Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.42	2.62
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.05	2.67
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.94	2.72
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	15.88	2.77
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	18.86	2.84
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	24.71	2.89

32 Exterior Improvements

32 10 Bases, Ballasts, and Paving

32 13 Rigid Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 13 73	19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	37.73	2.95
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32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001 Paver Restraints (32 14 09)

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	5.13	1.14
		<i>For >1,000 To 2,000, Deduct</i>	-0.73	
		<i>For >2,000 To 4,000, Deduct</i>	-1.06	
		<i>For >4,000, Deduct</i>	-1.35	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	5.57	1.14
		<i>For >500 To 1,000, Deduct</i>	-0.19	
		<i>For >1,000 To 2,000, Deduct</i>	-0.37	
		<i>For >2,000, Deduct</i>	-0.56	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	5.35	1.14
		<i>For >250 To 500, Deduct</i>	-0.35	
		<i>For >500 To 1,000, Deduct</i>	-0.53	
		<i>For >1,000 To 1,500, Deduct</i>	-0.88	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	6.34	1.14
		<i>For >250 To 500, Deduct</i>	-0.45	
		<i>For >500 To 1,000, Deduct</i>	-0.68	
		<i>For >1,000 To 1,500, Deduct</i>	-1.13	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	8.23	1.14
		<i>For >250 To 500, Deduct</i>	-0.64	
		<i>For >500 To 1,000, Deduct</i>	-0.96	
		<i>For >1,000 To 1,500, Deduct</i>	-1.60	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	9.69	1.14
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500 To 1,000, Deduct</i>	-1.18	
		<i>For >1,000 To 1,500, Deduct</i>	-1.97	

32 14 11 Bedding for Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded	1.11	
		<i>For Up To 100, Add</i>	0.49	
		<i>For >100 To 500, Add</i>	0.14	
		<i>For >1,000 To 5,000, Deduct</i>	-0.09	
		<i>For >5,000, Deduct</i>	-0.14	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded	1.31	
		<i>For Up To 100, Add</i>	0.54	
		<i>For >100 To 500, Add</i>	0.15	
		<i>For >1,000 To 5,000, Deduct</i>	-0.09	
		<i>For >5,000, Deduct</i>	-0.14	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded	1.69	
		<i>For Up To 100, Add</i>	0.68	
		<i>For >100 To 500, Add</i>	0.19	
		<i>For >1,000 To 5,000, Deduct</i>	-0.10	
		<i>For >5,000, Deduct</i>	-0.17	
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded	2.14	
		<i>For Up To 100, Add</i>	0.84	
		<i>For >100 To 500, Add</i>	0.23	
		<i>For >1,000 To 5,000, Deduct</i>	-0.12	
		<i>For >5,000, Deduct</i>	-0.21	
32 14 11 00-0006	SF	1" Mortar Bedding	3.43	
		<i>For Up To 100, Add</i>	1.56	
		<i>For >100 To 500, Add</i>	0.45	
		<i>For >1,000 To 5,000, Deduct</i>	-0.28	
		<i>For >5,000, Deduct</i>	-0.44	
32 14 11 00-0007	SF	2" Mortar Bedding	4.98	
		<i>For Up To 100, Add</i>	2.17	
		<i>For >100 To 500, Add</i>	0.62	
		<i>For >1,000 To 5,000, Deduct</i>	-0.37	
		<i>For >5,000, Deduct</i>	-0.59	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.74	
		<i>For Up To 100, Add</i>	0.81	
		<i>For >100 To 500, Add</i>	0.24	
		<i>For >1,000 To 5,000, Deduct</i>	-0.15	
		<i>For >5,000, Deduct</i>	-0.23	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Unit Paving		32 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 13 16-0001	Precast Concrete Paver Sidewalk <small>(32 14 13 16)</small> Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 13 16-0002	SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver..... Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.12 1.12 1.81 0.95 4.77 1.30 -0.70 -1.20	3.47
32 14 13 16-0003	SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	11.48 1.09 1.76 0.89 4.45 1.21 -0.63 -1.10	3.17
32 14 13 16-0004	SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver Note: Includes 6" x 12", 12" x 12" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	10.91 1.06 1.72 0.83 4.17 1.12 -0.58 -1.02	2.52
32 14 13 16-0005	SF 2-3/8" Thick, >144 SI Precast Concrete Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	10.38 1.03 1.68 0.78 3.90 1.04 -0.52 -0.94	2.62
32 14 13 16-0006	SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For 2-3/4" Concrete Paver, Add For 3-1/8" Concrete Paver, Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	11.19 1.07 1.74 0.86 4.31 1.16 -0.60 -1.06	3.01

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001	Turf Block <small>(32 14 13 19)</small> Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF 3-1/8" Thick, Precast Concrete Turf Block For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.71 4.69 1.24 -0.60 -1.11	3.01

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001	Brick Paver Sidewalk <small>(32 14 16)</small> Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	15.74 -3.42 7.83 1.14 5.68 1.48 -0.70 -1.31	3.47
32 14 16 00-0003	SF 4" x 8" x 2-1/4" Brick, Laid On Edge For 1-3/8" Thick Paver, Deduct For 2-3/4" Thick Paver (Vehicular), Add For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	23.52 -5.85 13.70 1.57 7.86 1.97 -0.79 -1.66	3.97

32 14 33 Plastic Paving (32 14)

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 14 33 13 Permeable Plastic Paving** (32 14 33)**32 14 33 13-0001 Turf Block Plastic Paving** (32 14 33 13)

32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	19.27	3.01
		<i>For Up To 100, Add</i>	6.33	
		<i>For >100 To 500, Add</i>	1.57	
		<i>For >1,000 To 5,000, Deduct</i>	-0.60	
		<i>For >5,000, Deduct</i>	-1.30	

32 14 40 Stone Paving (32 14)**32 14 40 00-0001 Slate Paver Sidewalk** (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver.....	16.60	2.89
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.12	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.38	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.85	
		<i>For Up To 100, Add</i>	5.59	
		<i>For >100 To 500, Add</i>	1.41	
		<i>For >1,000 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-1.19	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver.....	16.07	2.62
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.07	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.25	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.77	
		<i>For Up To 100, Add</i>	5.33	
		<i>For >100 To 500, Add</i>	1.33	
		<i>For >1,000 To 5,000, Deduct</i>	-0.52	
		<i>For >5,000, Deduct</i>	-1.11	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver.....	15.17	2.16
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.98	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.02	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.64	
		<i>For Up To 100, Add</i>	4.88	
		<i>For >100 To 500, Add</i>	1.19	
		<i>For >1,000 To 5,000, Deduct</i>	-0.43	
		<i>For >5,000, Deduct</i>	-0.97	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver.....	14.78	1.96
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.94	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.92	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.58	
		<i>For Up To 100, Add</i>	4.68	
		<i>For >100 To 500, Add</i>	1.13	
		<i>For >1,000 To 5,000, Deduct</i>	-0.39	
		<i>For >5,000, Deduct</i>	-0.92	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns.....	15.58	2.37
		Note: Patterns made by combining pavers from two or more size groups.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.02	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.12	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.70	
		<i>For Up To 100, Add</i>	5.08	
		<i>For >100 To 500, Add</i>	1.25	
		<i>For >1,000 To 5,000, Deduct</i>	-0.47	
		<i>For >5,000, Deduct</i>	-1.04	

32 14 40 00-0007 Granite Paver Sidewalk (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver.....	26.55	2.89
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.62	
		<i>For 2" Granite Paver, Add</i>	1.33	
		<i>For 3" Granite Paver, Add</i>	2.66	
		<i>For 4" Granite Paver, Add</i>	2.94	
		<i>For Up To 100, Add</i>	8.08	
		<i>For >100 To 500, Add</i>	1.90	
		<i>For >1,000 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-1.49	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver.....	26.02	2.62
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.56	
		<i>For 2" Granite Paver, Add</i>	1.30	
		<i>For 3" Granite Paver, Add</i>	2.60	
		<i>For 4" Granite Paver, Add</i>	2.86	
		<i>For Up To 100, Add</i>	7.81	
		<i>For >100 To 500, Add</i>	1.82	
		<i>For >1,000 To 5,000, Deduct</i>	-0.52	
		<i>For >5,000, Deduct</i>	-1.41	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Unit Paving	32 14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> 1.47 <i>For 2" Granite Paver, Add</i> 1.26 <i>For 3" Granite Paver, Add</i> 2.51 <i>For 4" Granite Paver, Add</i> 2.73 <i>For Up To 100, Add</i> 7.36 <i>For >100 To 500, Add</i> 1.69 <i>For >1,000 To 5,000, Deduct</i> -0.43 <i>For >5,000, Deduct</i> -1.27	25.12	2.16
32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> 1.43 <i>For 2" Granite Paver, Add</i> 1.24 <i>For 3" Granite Paver, Add</i> 2.47 <i>For 4" Granite Paver, Add</i> 2.67 <i>For Up To 100, Add</i> 7.17 <i>For >100 To 500, Add</i> 1.63 <i>For >1,000 To 5,000, Deduct</i> -0.39 <i>For >5,000, Deduct</i> -1.21	24.73	1.96
32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> 1.51 <i>For 2" Granite Paver, Add</i> 1.28 <i>For 3" Granite Paver, Add</i> 2.55 <i>For 4" Granite Paver, Add</i> 2.79 <i>For Up To 100, Add</i> 7.57 <i>For >100 To 500, Add</i> 1.75 <i>For >1,000 To 5,000, Deduct</i> -0.47 <i>For >5,000, Deduct</i> -1.33	25.53	2.37

32 15 Aggregate Surfacing (32 10)

32 15 40 Crushed Stone Surfacing (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading (32 15 40)

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	106.99	
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32 15 40 00-0003 Limestone Screenings (32 15 40)

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004	CY	Limestone Screenings For Trail	73.40	
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32 15 40 00-0005 Decomposed Granite (32 15 40)

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway	19.62	
		Note: Placed in 2 lifts.		
		<i>For Additional 2" Lift</i>	9.81	
		<i>For >45 To 180, Deduct</i>	-1.31	
		<i>For >180 To 450, Deduct</i>	-1.64	
		<i>For >450, Deduct</i>	-1.97	

32 16 Curbs, Gutters, Sidewalks, and Driveways (32 10)

32 16 13 Curbs and Gutters (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curb And Gutter Assemblies (32 16 13 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	31.64	13.97
		<i>For Up To 20, Add</i>	21.43	
		<i>For >20 To 50, Add</i>	11.94	
		<i>For >50 To 100, Add</i>	4.75	
		<i>For >500 To 1,000, Deduct</i>	-4.03	
		<i>For >1,000, Deduct</i>	-6.83	
		<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.05	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	34.38	18.63
		<i>For Up To 20, Add</i>	23.31	
		<i>For >20 To 50, Add</i>	12.99	
		<i>For >50 To 100, Add</i>	5.16	
		<i>For >500 To 1,000, Deduct</i>	-4.40	
		<i>For >1,000, Deduct</i>	-7.46	
		<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.26	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13	13-0004	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	39.72	15.48
			<i>For Up To 20, Add</i>	26.92	
			<i>For >20 To 50, Add</i>	15.00	
			<i>For >50 To 100, Add</i>	5.96	
			<i>For >500 To 1,000, Deduct</i>	-5.07	
			<i>For >1,000, Deduct</i>	-8.60	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.60	
32 16 13	13-0005	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	43.75	17.23
			<i>For Up To 20, Add</i>	29.68	
			<i>For >20 To 50, Add</i>	16.56	
			<i>For >50 To 100, Add</i>	6.56	
			<i>For >500 To 1,000, Deduct</i>	-5.62	
			<i>For >1,000, Deduct</i>	-9.53	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.92	
32 16 13	13-0006	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6).....	47.79	18.63
			<i>For Up To 20, Add</i>	32.40	
			<i>For >20 To 50, Add</i>	18.06	
			<i>For >50 To 100, Add</i>	7.17	
			<i>For >500 To 1,000, Deduct</i>	-6.11	
			<i>For >1,000, Deduct</i>	-10.37	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.14	
32 16 13	13-0007	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6).....	53.12	20.95
			<i>For Up To 20, Add</i>	36.06	
			<i>For >20 To 50, Add</i>	20.13	
			<i>For >50 To 100, Add</i>	7.97	
			<i>For >500 To 1,000, Deduct</i>	-6.85	
			<i>For >1,000, Deduct</i>	-11.60	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.57	
32 16 13	13-0008	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	56.46	22.11
			<i>For Up To 20, Add</i>	38.30	
			<i>For >20 To 50, Add</i>	21.36	
			<i>For >50 To 100, Add</i>	8.47	
			<i>For >500 To 1,000, Deduct</i>	-7.25	
			<i>For >1,000, Deduct</i>	-12.28	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.75	
32 16 13	13-0009	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	61.93	24.45
			<i>For Up To 20, Add</i>	42.05	
			<i>For >20 To 50, Add</i>	23.47	
			<i>For >50 To 100, Add</i>	9.29	
			<i>For >500 To 1,000, Deduct</i>	-7.99	
			<i>For >1,000, Deduct</i>	-13.53	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.17	
32 16 13	13-0010	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	65.13	25.61
			<i>For Up To 20, Add</i>	44.20	
			<i>For >20 To 50, Add</i>	24.66	
			<i>For >50 To 100, Add</i>	9.77	
			<i>For >500 To 1,000, Deduct</i>	-8.38	
			<i>For >1,000, Deduct</i>	-14.20	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.36	
32 16 13	13-0011	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	70.73	27.93
			<i>For Up To 20, Add</i>	48.03	
			<i>For >20 To 50, Add</i>	26.81	
			<i>For >50 To 100, Add</i>	10.61	
			<i>For >500 To 1,000, Deduct</i>	-9.12	
			<i>For >1,000, Deduct</i>	-15.46	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.77	
32 16 13	13-0012	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	73.80	29.10
			<i>For Up To 20, Add</i>	50.10	
			<i>For >20 To 50, Add</i>	27.96	
			<i>For >50 To 100, Add</i>	11.07	
			<i>For >500 To 1,000, Deduct</i>	-9.51	
			<i>For >1,000, Deduct</i>	-16.11	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.96	
32 16 13	13-0013	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	81.85	32.59
			<i>For Up To 20, Add</i>	55.63	
			<i>For >20 To 50, Add</i>	31.07	
			<i>For >50 To 100, Add</i>	12.28	
			<i>For >500 To 1,000, Deduct</i>	-10.61	
			<i>For >1,000, Deduct</i>	-17.96	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	5.60	
32 16 13	13-0014		Cast In Place Concrete Curbs Assemblies <small>(32 16 13 13)</small>		
			Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13	13-0015	LF	6" x 12" Cast In Place Concrete Curb (Type A1-6).....	23.61	11.54
			<i>For Mountable Curb, Add</i>	1.56	
			<i>For Up To 20, Add</i>	13.96	
			<i>For >20 To 50, Add</i>	7.90	
			<i>For >50 To 100, Add</i>	3.03	
			<i>For >500 To 1,000, Deduct</i>	-3.03	
			<i>For >1,000, Deduct</i>	-5.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0016 LF 6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6).....	26.84	13.27
<i>For Mountable Curb, Add</i>	1.83	
<i>For Up To 20, Add</i>	16.04	
<i>For >20 To 50, Add</i>	9.09	
<i>For >50 To 100, Add</i>	3.48	
<i>For >500 To 1,000, Deduct</i>	-3.48	
<i>For >1,000, Deduct</i>	-5.89	
32 16 13 13-0017 LF 6" x 14" Cast In Place Concrete Curb (Type A1-8).....	25.78	11.54
<i>For Mountable Curb, Add</i>	1.71	
<i>For Up To 20, Add</i>	15.26	
<i>For >20 To 50, Add</i>	8.64	
<i>For >50 To 100, Add</i>	3.31	
<i>For >500 To 1,000, Deduct</i>	-3.31	
<i>For >1,000, Deduct</i>	-5.61	
32 16 13 13-0018 LF 6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8).....	29.35	13.27
<i>For Mountable Curb, Add</i>	2.01	
<i>For Up To 20, Add</i>	17.56	
<i>For >20 To 50, Add</i>	9.95	
<i>For >50 To 100, Add</i>	3.81	
<i>For >500 To 1,000, Deduct</i>	-3.81	
<i>For >1,000, Deduct</i>	-6.44	
32 16 13 13-0019 LF 6" x 16" Cast In Place Concrete Curb.....	28.18	11.54
<i>For Mountable Curb, Add</i>	1.85	
<i>For Up To 20, Add</i>	16.60	
<i>For >20 To 50, Add</i>	9.40	
<i>For >50 To 100, Add</i>	3.60	
<i>For >500 To 1,000, Deduct</i>	-3.60	
<i>For >1,000, Deduct</i>	-6.11	
32 16 13 13-0020 LF 6" x 16" Cast In Place Concrete Curb - Radius.....	32.01	17.31
<i>For Mountable Curb, Add</i>	2.18	
<i>For Up To 20, Add</i>	19.10	
<i>For >20 To 50, Add</i>	10.82	
<i>For >50 To 100, Add</i>	4.14	
<i>For >500 To 1,000, Deduct</i>	-4.14	
<i>For >1,000, Deduct</i>	-7.01	
32 16 13 13-0021 LF 6" x 18" Cast In Place Concrete Curb.....	30.09	11.54
<i>For Mountable Curb, Add</i>	1.96	
<i>For Up To 20, Add</i>	17.68	
<i>For >20 To 50, Add</i>	10.01	
<i>For >50 To 100, Add</i>	3.84	
<i>For >500 To 1,000, Deduct</i>	-3.84	
<i>For >1,000, Deduct</i>	-6.51	
32 16 13 13-0022 LF 6" x 18" Cast In Place Concrete Curb - Radius.....	33.82	13.27
<i>For Mountable Curb, Add</i>	2.26	
<i>For Up To 20, Add</i>	20.04	
<i>For >20 To 50, Add</i>	11.35	
<i>For >50 To 100, Add</i>	4.35	
<i>For >500 To 1,000, Deduct</i>	-4.35	
<i>For >1,000, Deduct</i>	-7.36	
32 16 13 13-0023 LF 6" x 24" Cast In Place Concrete Curb.....	34.23	12.70
<i>For Mountable Curb, Add</i>	2.10	
<i>For Up To 20, Add</i>	19.68	
<i>For >20 To 50, Add</i>	11.12	
<i>For >50 To 100, Add</i>	4.28	
<i>For >500 To 1,000, Deduct</i>	-4.28	
<i>For >1,000, Deduct</i>	-7.27	
32 16 13 13-0024 LF 6" x 24" Cast In Place Concrete Curb - Radius.....	38.12	14.43
<i>For Mountable Curb, Add</i>	2.38	
<i>For Up To 20, Add</i>	22.05	
<i>For >20 To 50, Add</i>	12.47	
<i>For >50 To 100, Add</i>	4.79	
<i>For >500 To 1,000, Deduct</i>	-4.79	
<i>For >1,000, Deduct</i>	-8.14	
32 16 13 13-0025 LF 12" x 24" Cast In Place Concrete Curb.....	43.53	14.43
<i>For Mountable Curb, Add</i>	2.08	
<i>For Up To 20, Add</i>	23.14	
<i>For >20 To 50, Add</i>	13.01	
<i>For >50 To 100, Add</i>	5.06	
<i>For >500 To 1,000, Deduct</i>	-5.06	
<i>For >1,000, Deduct</i>	-8.68	
32 16 13 13-0026 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	48.29	16.16
<i>For Mountable Curb, Add</i>	2.35	
<i>For Up To 20, Add</i>	25.82	
<i>For >20 To 50, Add</i>	14.53	
<i>For >50 To 100, Add</i>	5.65	
<i>For >500 To 1,000, Deduct</i>	-5.65	
<i>For >1,000, Deduct</i>	-9.68	
32 16 13 13-0027 EA Additional Finish For Handicap Drop Section In Curb.....	86.58	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 LF 6" x 12" Straight Concrete Curb, Machine Formed.....	12.82
32 16 13 14-0002 LF 6" x 12" Curved Concrete Curb, Machine Formed.....	17.54
32 16 13 14-0003 LF 6" x 18" Straight Concrete Curb, Machine Formed.....	16.91
32 16 13 14-0004 LF 6" x 18" Curved Concrete Curb, Machine Formed.....	22.50

32 Exterior Improvements
32 10 Bases, Ballasts, and Paving
32 16 Curbs, Gutters, Sidewalks, and Driveways



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 16 13 16 Steel Faced Curbs (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	16.85	5.48
		<i>For Curved Section, Add</i>	3.73	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	18.56	6.23
		<i>For Curved Section, Add</i>	4.20	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	24.93	6.98
		<i>For Curved Section, Add</i>	5.13	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	30.54	7.86
		<i>For Curved Section, Add</i>	5.98	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	37.29	8.60
		<i>For Curved Section, Add</i>	6.95	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	48.74	10.97
		<i>For Curved Section, Add</i>	8.97	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	56.30	14.22
		<i>For Curved Section, Add</i>	10.94	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	175.03	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	23.00	
		<i>For Up To 20, Add</i>	10.79	
		<i>For >20 To 50, Add</i>	6.01	
		<i>For >50 To 100, Add</i>	2.39	
		<i>For >500 To 1,000, Deduct</i>	-2.39	
		<i>For >1,000, Deduct</i>	-4.16	
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	28.19	
		<i>For Up To 20, Add</i>	13.09	
		<i>For >20 To 50, Add</i>	7.29	
		<i>For >50 To 100, Add</i>	2.90	
		<i>For >500 To 1,000, Deduct</i>	-2.90	
		<i>For >1,000, Deduct</i>	-5.06	
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	33.31	
		<i>For Up To 20, Add</i>	15.35	
		<i>For >20 To 50, Add</i>	8.54	
		<i>For >50 To 100, Add</i>	3.40	
		<i>For >500 To 1,000, Deduct</i>	-3.40	
		<i>For >1,000, Deduct</i>	-5.94	
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	38.40	
		<i>For Up To 20, Add</i>	17.59	
		<i>For >20 To 50, Add</i>	9.78	
		<i>For >50 To 100, Add</i>	3.90	
		<i>For >500 To 1,000, Deduct</i>	-3.90	
		<i>For >1,000, Deduct</i>	-6.81	
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	43.52	
		<i>For Up To 20, Add</i>	19.84	
		<i>For >20 To 50, Add</i>	11.03	
		<i>For >50 To 100, Add</i>	4.40	
		<i>For >500 To 1,000, Deduct</i>	-4.40	
		<i>For >1,000, Deduct</i>	-7.69	
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	51.61	
		<i>For Up To 20, Add</i>	22.85	
		<i>For >20 To 50, Add</i>	12.68	
		<i>For >50 To 100, Add</i>	5.09	
		<i>For >500 To 1,000, Deduct</i>	-5.09	
		<i>For >1,000, Deduct</i>	-8.92	
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	59.38	
		<i>For Up To 20, Add</i>	25.63	
		<i>For >20 To 50, Add</i>	14.19	
		<i>For >50 To 100, Add</i>	5.72	
		<i>For >500 To 1,000, Deduct</i>	-5.72	
		<i>For >1,000, Deduct</i>	-10.06	
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	9.90	
		<i>For Up To 100, Add</i>	4.28	
		<i>For >100 To 250, Add</i>	2.37	
		<i>For >250 To 500, Add</i>	0.95	
		<i>For >2,500 To 5,000, Deduct</i>	-0.95	
		<i>For >5,000, Deduct</i>	-1.68	
32 16 13 19-0010	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	25.27	
		<i>For Up To 20, Add</i>	11.58	
		<i>For >20 To 50, Add</i>	6.44	
		<i>For >50 To 100, Add</i>	2.57	
		<i>For >500 To 1,000, Deduct</i>	-2.57	
		<i>For >1,000, Deduct</i>	-4.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0011 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	31.19	
<i>For Up To 20, Add</i>	14.19	
<i>For >20 To 50, Add</i>	7.89	
<i>For >50 To 100, Add</i>	3.15	
<i>For >500 To 1,000, Deduct</i>	-3.15	
<i>For >1,000, Deduct</i>	-5.51	
32 16 13 19-0012 LF 3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	36.66	
<i>For Up To 20, Add</i>	16.49	
<i>For >20 To 50, Add</i>	9.16	
<i>For >50 To 100, Add</i>	3.67	
<i>For >500 To 1,000, Deduct</i>	-3.67	
<i>For >1,000, Deduct</i>	-6.41	
32 16 13 19-0013 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	42.30	
<i>For Up To 20, Add</i>	18.92	
<i>For >20 To 50, Add</i>	10.50	
<i>For >50 To 100, Add</i>	4.21	
<i>For >500 To 1,000, Deduct</i>	-4.21	
<i>For >1,000, Deduct</i>	-7.37	
32 16 13 19-0014 LF 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	47.96	
<i>For Up To 20, Add</i>	21.35	
<i>For >20 To 50, Add</i>	11.85	
<i>For >50 To 100, Add</i>	4.75	
<i>For >500 To 1,000, Deduct</i>	-4.75	
<i>For >1,000, Deduct</i>	-8.32	
32 16 13 19-0015 LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	57.00	
<i>For Up To 20, Add</i>	24.62	
<i>For >20 To 50, Add</i>	13.63	
<i>For >50 To 100, Add</i>	5.49	
<i>For >500 To 1,000, Deduct</i>	-5.49	
<i>For >1,000, Deduct</i>	-9.67	
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	65.71	
<i>For Up To 20, Add</i>	27.66	
<i>For >20 To 50, Add</i>	15.28	
<i>For >50 To 100, Add</i>	6.19	
<i>For >500 To 1,000, Deduct</i>	-6.19	
<i>For >1,000, Deduct</i>	-10.93	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	10.95	
<i>For Up To 100, Add</i>	4.61	
<i>For >100 To 250, Add</i>	2.55	
<i>For >250 To 500, Add</i>	1.03	
<i>For >2,500 To 5,000, Deduct</i>	-1.03	
<i>For >5,000, Deduct</i>	-1.82	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	25.47	
<i>For Up To 20, Add</i>	11.96	
<i>For >20 To 50, Add</i>	6.67	
<i>For >50 To 100, Add</i>	2.65	
<i>For >500 To 1,000, Deduct</i>	-2.65	
<i>For >1,000, Deduct</i>	-4.61	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	31.22	
<i>For Up To 20, Add</i>	14.52	
<i>For >20 To 50, Add</i>	8.09	
<i>For >50 To 100, Add</i>	3.22	
<i>For >500 To 1,000, Deduct</i>	-3.22	
<i>For >1,000, Deduct</i>	-5.60	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	36.89	
<i>For Up To 20, Add</i>	17.02	
<i>For >20 To 50, Add</i>	9.47	
<i>For >50 To 100, Add</i>	3.77	
<i>For >500 To 1,000, Deduct</i>	-3.77	
<i>For >1,000, Deduct</i>	-6.58	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	42.56	
<i>For Up To 20, Add</i>	19.52	
<i>For >20 To 50, Add</i>	10.86	
<i>For >50 To 100, Add</i>	4.33	
<i>For >500 To 1,000, Deduct</i>	-4.33	
<i>For >1,000, Deduct</i>	-7.56	
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	48.22	
<i>For Up To 20, Add</i>	22.01	
<i>For >20 To 50, Add</i>	12.24	
<i>For >50 To 100, Add</i>	4.89	
<i>For >500 To 1,000, Deduct</i>	-4.89	
<i>For >1,000, Deduct</i>	-8.53	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	57.19	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	65.79	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	10.97	
<i>For Up To 100, Add</i>	4.74	
<i>For >100 To 250, Add</i>	2.63	
<i>For >250 To 500, Add</i>	1.06	
<i>For >2,500 To 5,000, Deduct</i>	-1.06	
<i>For >5,000, Deduct</i>	-1.86	

32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)

32 16 13 23-0001 LF 6" x 18" Precast Concrete Curb.....	43.59	10.50
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb, Radius.....	51.96	12.07
32 16 13 23-0003 LF 6" x 20" Precast Concrete Curb.....	46.17	10.50

32 Exterior Improvements
32 10 Bases, Ballasts, and Paving
32 16 Curbs, Gutters, Sidewalks, and Driveways



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb, Radius	55.37	12.07
	32 16 13 23-0005	LF	7" x 18" Precast Concrete Curb	47.35	10.50
	32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb, Radius	56.73	12.07
	32 16 13 23-0007	LF	7" x 20" Precast Concrete Curb	50.28	10.50
	32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb, Radius	60.45	12.07
32 16 13 33 Asphalt Curbs <small>(32 16 13)</small>					
32 16 13 33-0001 Asphalt Curbs <small>(32 16 13 33)</small>					
	32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	13.42	5.61
	32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	15.09	6.23
	32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	16.64	6.86
32 16 13 43 Stone Curbs <small>(32 16 13)</small>					
32 16 13 43-0001 Remove And Reset Stone And Precast Curbing <small>(32 16 13 43)</small>					
Note: Includes storage and cleaning.					
	32 16 13 43-0002	LF	Removal And Resetting Of Stone Or Precast Curbing	38.51	
Note: Includes storage and cleaning.					
32 16 23 Sidewalks <small>(32 16)</small>					
32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies <small>(32 16 23)</small>					
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.					
	32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.30	
			For Up To 100, Add	4.02	
			For >100 To 500, Add	1.14	
			For >1,000 To 5,000, Deduct	-0.68	
			For >5,000, Deduct	-1.48	
			For 3,500 PSI Concrete, Add	0.12	
			For 4,000 PSI Concrete, Add	0.20	
			For 4,500 PSI Concrete, Add	0.23	
			For Welded Wire Reinforcement, Add	0.90	
	32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	10.11	
			For Up To 100, Add	4.29	
			For >100 To 500, Add	1.21	
			For >1,000 To 5,000, Deduct	-0.70	
			For >5,000, Deduct	-1.56	
			For 3,500 PSI Concrete, Add	0.14	
			For 4,000 PSI Concrete, Add	0.25	
			For 4,500 PSI Concrete, Add	0.29	
			For Welded Wire Reinforcement, Add	0.90	
	32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	10.94	
			For Up To 100, Add	4.56	
			For >100 To 500, Add	1.28	
			For >1,000 To 5,000, Deduct	-0.73	
			For >5,000, Deduct	-1.64	
			For 3,500 PSI Concrete, Add	0.17	
			For 4,000 PSI Concrete, Add	0.29	
			For 4,500 PSI Concrete, Add	0.34	
			For Welded Wire Reinforcement, Add	0.90	
	32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	12.69	
			For Up To 100, Add	5.24	
			For >100 To 500, Add	1.46	
			For >1,000 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.87	
			For 3,500 PSI Concrete, Add	0.20	
			For 4,000 PSI Concrete, Add	0.36	
			For 4,500 PSI Concrete, Add	0.41	
			For Welded Wire Reinforcement, Add	0.90	
	32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	13.40	
			For Up To 100, Add	5.45	
			For >100 To 500, Add	1.51	
			For >1,000 To 5,000, Deduct	-0.84	
			For >5,000, Deduct	-1.93	
			For 3,500 PSI Concrete, Add	0.23	
			For 4,000 PSI Concrete, Add	0.40	
			For 4,500 PSI Concrete, Add	0.47	
			For Welded Wire Reinforcement, Add	0.90	
	32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.63	
	32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk	157.46	
Note: Excludes patterned (tactile) finish.					
	32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.63	



Exterior Improvements	32	
Bases, Ballasts, and Paving	32 10	32
Curbs, Gutters, Sidewalks, and Driveways	32 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 23 00-0010

Bituminous Sidewalk Assemblies (32 16 23)

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0011	SY	1" Bituminous Sidewalk	9.39	
		For Up To 100, Add	3.57	
		For >100 To 500, Add	0.96	
		For >1,000 To 5,000, Deduct	-0.49	
		For >5,000, Deduct	-0.96	
32 16 23 00-0012	SY	1-1/2" Bituminous Sidewalk	11.76	
		For Up To 100, Add	4.41	
		For >100 To 500, Add	1.18	
		For >1,000 To 5,000, Deduct	-0.59	
		For >5,000, Deduct	-1.18	
32 16 23 00-0013	SY	2" Bituminous Sidewalk	16.26	
		For Up To 100, Add	5.89	
		For >100 To 500, Add	1.54	
		For >1,000 To 5,000, Deduct	-0.73	
		For >5,000, Deduct	-1.54	
32 16 23 00-0014	SY	2-1/2" Bituminous Sidewalk	20.30	
		For Up To 100, Add	7.34	
		For >100 To 500, Add	1.92	
		For >1,000 To 5,000, Deduct	-0.90	
		For >5,000, Deduct	-1.92	
32 16 23 00-0015	SY	3" Bituminous Sidewalk	23.32	
		For Up To 100, Add	8.28	
		For >100 To 500, Add	2.15	
		For >1,000 To 5,000, Deduct	-0.98	
		For >5,000, Deduct	-2.15	
32 16 23 00-0016	SY	3-1/2" Bituminous Sidewalk	26.90	
		For Up To 100, Add	9.42	
		For >100 To 500, Add	2.42	
		For >1,000 To 5,000, Deduct	-1.08	
		For >5,000, Deduct	-2.42	

32 16 43 Asphalt Dike (32 16)

32 16 43 00-0001 Asphalt Dike (32 16 43)

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	7.00	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	9.56	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	9.56	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	13.62	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	16.11	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.77	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.89	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.28	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	7.00	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.77	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.28	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.89	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	5.51	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	216.03	7.49
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	245.10	7.49

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	72.00	22.55
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	82.54	22.55
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	85.67	22.55
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	89.74	22.55
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels.....	83.69	22.55
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	106.14	22.55
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	36.08	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	23.45	

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	29.55	7.49
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	34.07	7.49
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	35.88	7.49
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	38.59	7.49

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 17 13 26 Wood Parking Bumpers** (32 17 13)

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	9.65	1.80
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	12.12	1.80

32 17 16 Manufactured Traffic-Calming Devices (32 17)**32 17 16 00-0001 Speed Bumps** (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	35.45	1.91
32 17 16 00-0003	LF	3-1/2" High x 12" Wide, Asphalt Speed Bump	55.29	
		Note: Excludes striping.		
32 17 16 00-0004	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	28.12	1.27
32 17 16 00-0005	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	198.49	1.27

32 17 16 00-0006 Modular Rubber Speed Tables (32 17 16)

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0007	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table	69.34	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table	60.56	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table	56.83	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table	66.34	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0011	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table	58.32	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0012	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table	55.03	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0013	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table	63.36	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0014	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table	56.58	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0015	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table	53.52	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		

32 17 16 00-0016 Asphalt Speed Table (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0017	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown	38.04	
		Note: Tapered on edges to roadway.		
32 17 16 00-0018	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown	44.84	
		Note: Tapered on edges to roadway.		
32 17 16 00-0019	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown	47.79	
		Note: Tapered on edges to roadway.		
32 17 16 00-0020	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown	56.36	
		Note: Tapered on edges to roadway.		
32 17 16 00-0021	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown	58.62	
		Note: Tapered on edges to roadway.		
32 17 16 00-0022	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown	65.42	
		Note: Tapered on edges to roadway.		

32 17 16 00-0023 Concrete Speed Table (32 17 16)

32 17 16 00-0024	SF	Concrete Speed Table	14.62	
		Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		

32 17 23 Pavement Markings (32 17)

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings (32 17 23)**32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads** (32 17 23)

Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.

32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0001)

Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	0.07	
		For >25,000 LF, Deduct	-0.05	
		For Broken Line, Deduct	-0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0004 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.43	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For >25,000 LF, Deduct</i>	-0.06	
<i>For Broken Line, Deduct</i>	-0.10	
32 17 23 13-0005 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.55	
<i>For Up To 5,000 LF, Add</i>	0.11	
<i>For >25,000 LF, Deduct</i>	-0.08	
<i>For Broken Line, Deduct</i>	-0.12	
32 17 23 13-0006 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.74	
<i>For Up To 5,000 LF, Add</i>	0.15	
<i>For >25,000 LF, Deduct</i>	-0.11	
<i>For Broken Line, Deduct</i>	-0.18	
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.50	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For >25,000 LF, Deduct</i>	-0.08	
<i>For Broken Line On One Side, Deduct</i>	-0.06	
<i>For Double Broken Line, Deduct</i>	-0.12	
32 17 23 13-0008 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.74	
<i>For Up To 5,000 LF, Add</i>	0.15	
<i>For >25,000 LF, Deduct</i>	-0.11	
<i>For Broken Line On One Side, Deduct</i>	-0.09	
<i>For Double Broken Line, Deduct</i>	-0.18	
32 17 23 13-0009 SF Solid Area, Painted Reflective Pavement Striping	6.62	
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0010 EA 6" High, Letter/Number, Painted Reflective Pavement Striping	5.00	
<i>For <10, Add</i>	0.65	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 200, Deduct</i>	-0.44	
<i>For >200, Deduct</i>	-0.87	
32 17 23 13-0011 EA 12" High, Letter/Number, Painted Reflective Pavement Striping	8.91	
<i>For <10, Add</i>	0.99	
<i>For >50 To 100, Deduct</i>	-0.49	
<i>For >100 To 200, Deduct</i>	-0.66	
<i>For >200, Deduct</i>	-1.32	
32 17 23 13-0012 EA 24" High, Letter/Number, Painted Reflective Pavement Striping	15.02	
<i>For <10, Add</i>	1.64	
<i>For >50 To 100, Deduct</i>	-0.82	
<i>For >100 To 200, Deduct</i>	-1.10	
<i>For >200, Deduct</i>	-2.19	
32 17 23 13-0013 EA 36" High, Letter/Number, Painted Reflective Pavement Striping	29.05	
<i>For <10, Add</i>	3.29	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100 To 200, Deduct</i>	-2.19	
<i>For >200, Deduct</i>	-4.38	
32 17 23 13-0014 EA 48" High, Letter/Number, Painted Reflective Pavement Striping	33.86	
<i>For <10, Add</i>	3.68	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100 To 200, Deduct</i>	-2.46	
<i>For >200, Deduct</i>	-4.91	
32 17 23 13-0015 EA 72" High, Letter/Number, Painted Reflective Pavement Striping	60.68	
<i>For <10, Add</i>	6.55	
<i>For >50 To 100, Deduct</i>	-3.28	
<i>For >100 To 200, Deduct</i>	-4.37	
<i>For >200, Deduct</i>	-8.74	
32 17 23 13-0016 EA 96" High, Letter/Number, Painted Reflective Pavement Striping	81.03	
<i>For <10, Add</i>	8.80	
<i>For >50 To 100, Deduct</i>	-4.40	
<i>For >100 To 200, Deduct</i>	-5.87	
<i>For >200, Deduct</i>	-11.73	
32 17 23 13-0017 EA 120" High, Letter/Number, Painted Reflective Pavement Striping	122.61	
<i>For <10, Add</i>	10.91	
<i>For >50 To 100, Deduct</i>	-5.45	
<i>For >100 To 200, Deduct</i>	-7.27	
<i>For >200, Deduct</i>	-14.54	
32 17 23 13-0018 SF Letter/Number, Painted Reflective Pavement Marking	8.20	
32 17 23 13-0019 SF Symbols, Painted Reflective Pavement Marking	9.69	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020 Painted Reflective Pavement Marking (CALTRANS) (32 17 23 13-0001)		
Note: Per LF of detail.		
32 17 23 13-0021 LF CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping.....	0.28	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0022 LF CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.45	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0023 LF CALTRANS Detail 4 Centerline	1.05	
<i>For Up To 5,000 LF, Add</i>	0.21	
<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0024 LF CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.27	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0025 LF CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.46	
<i>For Up To 5,000 LF, Add</i>	0.09	
<i>For >25,000 LF, Deduct</i>	-0.07	

32 Exterior Improvements

32 10 Bases, Ballasts, and Paving

32 17 Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	13-0026	LF	CALTRANS Detail 7 Centerline	0.76	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For >25,000 LF, Deduct</i>	-0.11	
32 17 23	13-0027	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.28	
			<i>For Up To 5,000 LF, Add</i>	0.06	
			<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23	13-0028	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.45	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23	13-0029	LF	CALTRANS Detail 10 Lanelines	1.05	
			<i>For Up To 5,000 LF, Add</i>	0.21	
			<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23	13-0030	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.27	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23	13-0031	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.45	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23	13-0032	LF	CALTRANS Detail 13 Lanelines	0.76	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For >25,000 LF, Deduct</i>	-0.11	
32 17 23	13-0033	LF	CALTRANS Detail 14 Lanelines	0.76	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For >25,000 LF, Deduct</i>	-0.11	
32 17 23	13-0034	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.45	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23	13-0035	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For >25,000 LF, Deduct</i>	-0.06	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.09	
32 17 23	13-0036	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.08	
			<i>For Up To 5,000 LF, Add</i>	0.22	
			<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23	13-0037	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.04	
			<i>For Up To 5,000 LF, Add</i>	0.61	
			<i>For >25,000 LF, Deduct</i>	-0.46	
32 17 23	13-0038	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.37	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For >25,000 LF, Deduct</i>	-0.06	
			<i>For Broken Line On One Side, Deduct</i>	-0.05	
			<i>For Double Broken Line, Deduct</i>	-0.09	
32 17 23	13-0039	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.90	
			<i>For Up To 5,000 LF, Add</i>	0.18	
			<i>For >25,000 LF, Deduct</i>	-0.14	
32 17 23	13-0040	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.58	
			<i>For Up To 5,000 LF, Add</i>	0.52	
			<i>For >25,000 LF, Deduct</i>	-0.39	
32 17 23	13-0041	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.44	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For >25,000 LF, Deduct</i>	-0.07	
			<i>For Broken Line On One Side, Deduct</i>	-0.07	
			<i>For Double Broken Line, Deduct</i>	-0.14	
32 17 23	13-0042	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.15	
			<i>For Up To 5,000 LF, Add</i>	0.23	
			<i>For >25,000 LF, Deduct</i>	-0.17	
32 17 23	13-0043	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.63	
			<i>For Up To 5,000 LF, Add</i>	0.73	
			<i>For >25,000 LF, Deduct</i>	-0.54	
32 17 23	13-0044	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.35	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23	13-0045	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.52	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For >25,000 LF, Deduct</i>	-0.08	
32 17 23	13-0046	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.70	
			<i>For Up To 5,000 LF, Add</i>	0.14	
			<i>For >25,000 LF, Deduct</i>	-0.11	
32 17 23	13-0047	LF	CALTRANS Detail 26 Left Edgelines	0.18	
			<i>For Up To 5,000 LF, Add</i>	0.04	
			<i>For >25,000 LF, Deduct</i>	-0.03	
32 17 23	13-0048	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.62	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For >25,000 LF, Deduct</i>	-0.09	
32 17 23	13-0049	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.35	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23	13-0050	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.27	
			<i>For Up To 5,000 LF, Add</i>	0.05	
			<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23	13-0051	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.88	
			<i>For Up To 5,000 LF, Add</i>	0.18	
			<i>For >25,000 LF, Deduct</i>	-0.13	
			<i>For Broken Line On One Side, Deduct</i>	-0.14	
			<i>For Double Broken Line, Deduct</i>	-0.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0052 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.59	
<i>For Up To 5,000 LF, Add</i>	0.32	
<i>For >25,000 LF, Deduct</i>	-0.24	
32 17 23 13-0053 LF CALTRANS Detail 30 Median Islands	7.26	
<i>For Up To 5,000 LF, Add</i>	1.45	
<i>For >25,000 LF, Deduct</i>	-1.09	
32 17 23 13-0054 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.74	
<i>For Up To 5,000 LF, Add</i>	0.15	
<i>For >25,000 LF, Deduct</i>	-0.11	
<i>For Broken Line On One Side, Deduct</i>	-0.09	
<i>For Double Broken Line, Deduct</i>	-0.18	
32 17 23 13-0055 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.62	
<i>For Up To 5,000 LF, Add</i>	0.32	
<i>For >25,000 LF, Deduct</i>	-0.24	
32 17 23 13-0056 LF CALTRANS Detail 33 Two-Way Left Turn Lanes	4.98	
<i>For Up To 5,000 LF, Add</i>	1.00	
<i>For >25,000 LF, Deduct</i>	-0.75	
32 17 23 13-0057 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.90	
<i>For Up To 5,000 LF, Add</i>	0.18	
<i>For >25,000 LF, Deduct</i>	-0.14	
32 17 23 13-0058 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.37	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0059 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.08	
<i>For Up To 5,000 LF, Add</i>	0.22	
<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0060 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.37	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0061 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.81	
<i>For Up To 5,000 LF, Add</i>	0.36	
<i>For >25,000 LF, Deduct</i>	-0.27	
32 17 23 13-0062 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.15	
<i>For Up To 5,000 LF, Add</i>	0.23	
<i>For >25,000 LF, Deduct</i>	-0.17	
32 17 23 13-0063 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.24	
<i>For Up To 5,000 LF, Add</i>	0.25	
<i>For >25,000 LF, Deduct</i>	-0.19	
32 17 23 13-0064 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.14	
<i>For Up To 5,000 LF, Add</i>	0.23	
<i>For >25,000 LF, Deduct</i>	-0.17	
32 17 23 13-0065 LF CALTRANS Detail 37A Lane Drop At Exit Ramps	2.44	
<i>For Up To 5,000 LF, Add</i>	0.49	
<i>For >25,000 LF, Deduct</i>	-0.37	
32 17 23 13-0066 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.14	
<i>For Up To 5,000 LF, Add</i>	0.23	
<i>For >25,000 LF, Deduct</i>	-0.17	
32 17 23 13-0067 LF CALTRANS Detail 37C Lane Drop At Intersections	2.44	
<i>For Up To 5,000 LF, Add</i>	0.49	
<i>For >25,000 LF, Deduct</i>	-0.37	
32 17 23 13-0068 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.05	
<i>For Up To 5,000 LF, Add</i>	0.21	
<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0069 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.70	
<i>For Up To 5,000 LF, Add</i>	0.14	
<i>For >25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0070 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.41	
<i>For Up To 5,000 LF, Add</i>	0.28	
<i>For >25,000 LF, Deduct</i>	-0.21	
32 17 23 13-0071 LF CALTRANS Detail 38C Channelizing Line	3.63	
<i>For Up To 5,000 LF, Add</i>	0.73	
<i>For >25,000 LF, Deduct</i>	-0.54	
32 17 23 13-0072 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.42	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For >25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0073 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.34	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0074 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.26	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0075 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.75	
<i>For Up To 5,000 LF, Add</i>	0.35	
<i>For >25,000 LF, Deduct</i>	-0.26	
32 17 23 13-0076 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.26	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0077 LF CALTRANS Detail 41A Center Line Extensions Through Intersections	1.75	
<i>For Up To 5,000 LF, Add</i>	0.35	
<i>For >25,000 LF, Deduct</i>	-0.26	
32 17 23 13-0078 EA CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	129.44	
<i>For <10, Add</i>	15.95	
<i>For >50 To 100, Deduct</i>	-7.97	
<i>For >100 To 200, Deduct</i>	-10.63	
<i>For >200, Deduct</i>	-21.26	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0079 EA CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	227.34	
For <10, Add	27.90	
For >50 To 100, Deduct	-13.95	
For >100 To 200, Deduct	-18.60	
For >200, Deduct	-37.20	
32 17 23 13-0080 EA CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	285.09	
For <10, Add	35.08	
For >50 To 100, Deduct	-17.54	
For >100 To 200, Deduct	-23.39	
For >200, Deduct	-46.77	
32 17 23 13-0081 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	414.54	
For <10, Add	51.02	
For >50 To 100, Deduct	-25.51	
For >100 To 200, Deduct	-34.02	
For >200, Deduct	-68.03	
32 17 23 13-0082 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	543.97	
For <10, Add	66.97	
For >50 To 100, Deduct	-33.48	
For >100 To 200, Deduct	-44.65	
For >200, Deduct	-89.29	
32 17 23 13-0083 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	383.00	
For <10, Add	47.04	
For >50 To 100, Deduct	-23.52	
For >100 To 200, Deduct	-31.36	
For >200, Deduct	-62.72	
32 17 23 13-0084 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	668.10	
For <10, Add	82.12	
For >50 To 100, Deduct	-41.06	
For >100 To 200, Deduct	-54.74	
For >200, Deduct	-109.49	
32 17 23 13-0085 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	136.40	
For <10, Add	16.74	
For >50 To 100, Deduct	-8.37	
For >100 To 200, Deduct	-11.16	
For >200, Deduct	-22.32	
32 17 23 13-0086 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	299.04	
For <10, Add	36.67	
For >50 To 100, Deduct	-18.34	
For >100 To 200, Deduct	-24.45	
For >200, Deduct	-48.90	
32 17 23 13-0087 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	383.00	
For <10, Add	47.04	
For >50 To 100, Deduct	-23.52	
For >100 To 200, Deduct	-31.36	
For >200, Deduct	-62.72	
32 17 23 13-0088 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	246.80	
For <10, Add	30.30	
For >50 To 100, Deduct	-15.15	
For >100 To 200, Deduct	-20.20	
For >200, Deduct	-40.39	
32 17 23 13-0089 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	325.25	
For <10, Add	39.86	
For >50 To 100, Deduct	-19.93	
For >100 To 200, Deduct	-26.58	
For >200, Deduct	-53.15	
32 17 23 13-0090 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	64.72	
For <10, Add	7.97	
For >50 To 100, Deduct	-3.99	
For >100 To 200, Deduct	-5.32	
For >200, Deduct	-10.63	
32 17 23 13-0091 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	620.62	
Note: Excludes variable width transverse lines.		
For <10, Add	75.74	
For >50 To 100, Deduct	-37.87	
For >100 To 200, Deduct	-50.49	
For >200, Deduct	-100.98	
32 17 23 13-0092 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	8.13	
32 17 23 13-0093 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	67.60	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	5.74	
For >50 To 100, Deduct	-2.87	
For >100 To 200, Deduct	-3.83	
For >200, Deduct	-7.65	
32 17 23 13-0094 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	71.77	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	6.06	
For >50 To 100, Deduct	-3.03	
For >100 To 200, Deduct	-4.04	
For >200, Deduct	-8.08	
32 17 23 13-0095 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	103.22	
For <10, Add	12.76	
For >50 To 100, Deduct	-6.38	
For >100 To 200, Deduct	-8.50	
For >200, Deduct	-17.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0096 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	210.22	
<i>For <10, Add</i>	25.83	
<i>For >50 To 100, Deduct</i>	-12.92	
<i>For >100 To 200, Deduct</i>	-17.22	
<i>For >200, Deduct</i>	-34.44	
32 17 23 13-0097 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	43.61	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For <10, Add</i>	6.06	
<i>For >50 To 100, Deduct</i>	-3.03	
<i>For >100 To 200, Deduct</i>	-4.04	
<i>For >200, Deduct</i>	-8.08	
32 17 23 13-0098 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking	8.24	
32 17 23 13-0099 SF CALTRANS Symbols, Painted Reflective Pavement Marking	9.09	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0100 Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
Note: 15 mil thickness.		
32 17 23 13-0101 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.83	
<i>For 20 Mil Thickness, Add</i>	0.21	
<i>For Up To 5,000 LF, Add</i>	0.17	
<i>For >25,000 LF, Deduct</i>	-0.12	
<i>For Broken Line, Deduct</i>	-0.44	
32 17 23 13-0102 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	1.17	
<i>For 20 Mil Thickness, Add</i>	0.30	
<i>For Up To 5,000 LF, Add</i>	0.23	
<i>For >25,000 LF, Deduct</i>	-0.18	
<i>For Broken Line, Deduct</i>	-0.65	
32 17 23 13-0103 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.43	
<i>For 20 Mil Thickness, Add</i>	0.37	
<i>For Up To 5,000 LF, Add</i>	0.29	
<i>For >25,000 LF, Deduct</i>	-0.21	
<i>For Broken Line, Deduct</i>	-0.78	
32 17 23 13-0104 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	2.20	
<i>For 20 Mil Thickness, Add</i>	0.59	
<i>For Up To 5,000 LF, Add</i>	0.44	
<i>For >25,000 LF, Deduct</i>	-0.33	
<i>For Broken Line, Deduct</i>	-1.28	
32 17 23 13-0105 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.39	
<i>For 20 Mil Thickness, Add</i>	0.39	
<i>For Up To 5,000 LF, Add</i>	0.28	
<i>For >25,000 LF, Deduct</i>	-0.21	
<i>For Broken Line On One Side, Deduct</i>	-0.43	
<i>For Double Broken Line, Deduct</i>	-0.86	
32 17 23 13-0106 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	2.00	
<i>For 20 Mil Thickness, Add</i>	0.58	
<i>For Up To 5,000 LF, Add</i>	0.40	
<i>For >25,000 LF, Deduct</i>	-0.30	
<i>For Broken Line On One Side, Deduct</i>	-0.64	
<i>For Double Broken Line, Deduct</i>	-1.28	
32 17 23 13-0107 SF Solid Area, Epoxy Reflective Pavement Marking	9.45	
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
<i>For 20 Mil Thickness, Add</i>	1.34	
32 17 23 13-0108 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking	5.59	
<i>For 20 Mil Thickness, Add</i>	0.63	
<i>For <10, Add</i>	0.65	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 200, Deduct</i>	-0.44	
<i>For >200, Deduct</i>	-0.87	
32 17 23 13-0109 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking	11.02	
<i>For 20 Mil Thickness, Add</i>	1.81	
<i>For <10, Add</i>	0.99	
<i>For >50 To 100, Deduct</i>	-0.49	
<i>For >100 To 200, Deduct</i>	-0.66	
<i>For >200, Deduct</i>	-1.32	
32 17 23 13-0110 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking	18.71	
<i>For 20 Mil Thickness, Add</i>	3.13	
<i>For <10, Add</i>	1.64	
<i>For >50 To 100, Deduct</i>	-0.82	
<i>For >100 To 200, Deduct</i>	-1.10	
<i>For >200, Deduct</i>	-2.19	
32 17 23 13-0111 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking	35.55	
<i>For 20 Mil Thickness, Add</i>	5.64	
<i>For <10, Add</i>	3.29	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100 To 200, Deduct</i>	-2.19	
<i>For >200, Deduct</i>	-4.38	
32 17 23 13-0112 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking	42.30	
<i>For 20 Mil Thickness, Add</i>	7.14	
<i>For <10, Add</i>	3.68	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100 To 200, Deduct</i>	-2.46	
<i>For >200, Deduct</i>	-4.91	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23	13-0113	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	76.10	
			<i>For 20 Mil Thickness, Add</i>	12.99	
			<i>For <10, Add</i>	6.55	
			<i>For >50 To 100, Deduct</i>	-3.28	
			<i>For >100 To 200, Deduct</i>	-4.37	
			<i>For >200, Deduct</i>	-8.74	
32 17 23	13-0114	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	101.31	
			<i>For 20 Mil Thickness, Add</i>	17.15	
			<i>For <10, Add</i>	8.80	
			<i>For >50 To 100, Deduct</i>	-4.40	
			<i>For >100 To 200, Deduct</i>	-5.87	
			<i>For >200, Deduct</i>	-11.73	
32 17 23	13-0115	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	167.89	
			<i>For 20 Mil Thickness, Add</i>	35.36	
			<i>For <10, Add</i>	10.91	
			<i>For >50 To 100, Deduct</i>	-5.45	
			<i>For >100 To 200, Deduct</i>	-7.27	
			<i>For >200, Deduct</i>	-14.54	
32 17 23	13-0116	SF	Letter/Number, Epoxy Reflective Pavement Marking	9.66	
			<i>For 20 Mil Thickness, Add</i>	1.35	
32 17 23	13-0117	SF	Symbols, Epoxy Reflective Pavement Marking.....	11.89	
			Note: Handicap, railroad, diamond, arrows, etc.		
			<i>For 20 Mil Thickness, Add</i>	1.46	
32 17 23	13-0118		Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
			Note: Includes primers. Per Coat.		
32 17 23	13-0119		Painted Pavement Marking For Parking Areas (32 17 23 13-0118)		
			Note: 15 mil thickness.		
32 17 23	13-0120	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.27	
32 17 23	13-0121	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.38	
32 17 23	13-0122	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.47	
32 17 23	13-0123	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.65	
32 17 23	13-0124	SF	Solid Area, Painted Pavement Marking For Parking Areas.....	6.58	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23	13-0125	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.88	
			<i>For Up To 10, Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 200, Deduct</i>	-0.43	
			<i>For >200, Deduct</i>	-0.85	
32 17 23	13-0126	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.65	
			<i>For Up To 10, Add</i>	0.96	
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100 To 200, Deduct</i>	-0.64	
			<i>For >200, Deduct</i>	-1.28	
32 17 23	13-0127	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	14.60	
			<i>For Up To 10, Add</i>	1.59	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 200, Deduct</i>	-1.06	
			<i>For >200, Deduct</i>	-2.13	
32 17 23	13-0128	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	27.17	
			<i>For Up To 10, Add</i>	3.03	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100 To 200, Deduct</i>	-2.02	
			<i>For >200, Deduct</i>	-4.04	
32 17 23	13-0129	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	35.67	
			<i>For Up To 10, Add</i>	4.15	
			<i>For >50 To 100, Deduct</i>	-2.07	
			<i>For >100 To 200, Deduct</i>	-2.76	
			<i>For >200, Deduct</i>	-5.53	
32 17 23	13-0130	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	43.09	
			<i>For Up To 10, Add</i>	5.10	
			<i>For >50 To 100, Deduct</i>	-2.55	
			<i>For >100 To 200, Deduct</i>	-3.40	
			<i>For >200, Deduct</i>	-6.80	
32 17 23	13-0131	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	59.10	
			<i>For Up To 10, Add</i>	6.38	
			<i>For >50 To 100, Deduct</i>	-3.19	
			<i>For >100 To 200, Deduct</i>	-4.25	
			<i>For >200, Deduct</i>	-8.50	
32 17 23	13-0132	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas	113.66	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23	13-0133	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas	134.08	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23	13-0134	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	200.97	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23	13-0135	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	205.68	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23	13-0136	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	276.94	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23	13-0137	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	43.18	
			Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			<i>For Blue Background With White Symbol, Add</i>	37.17	
			<i>For Blue Background With White Symbol And Border, Add</i>	46.47	



		Exterior Improvements	32
		Bases, Ballasts, and Paving	32 10
		Paving Specialties	32 17

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0138 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3" width x 5" height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i> <i>For Blue Background With White Symbol And Border, Add</i>	68.37 81.56 101.95	
32 17 23 13-0139 Painted Curbs (32 17 23 13) Note: All colors.		
32 17 23 13-0140 LF Reflective Painted Curb	3.63	
32 17 23 13-0141 LF Reflective Painted Curb And Gutter	6.90	
32 17 23 13-0142 LF Painted Curb	2.95	
32 17 23 13-0143 LF Painted Curb And Gutter	6.30	
32 17 23 13-0144 Markings For Outdoor Play Areas, Courts (32 17 23 13)		
32 17 23 13-0145 LF 2" Wide Marking For Outdoor Play Areas	1.15	
32 17 23 13-0146 LF 3" Wide Marking For Outdoor Play Areas	1.29	
32 17 23 13-0147 LF 4" Wide Marking For Outdoor Play Areas	1.46	
32 17 23 13-0148 LF 6" Wide Marking For Outdoor Play Areas	1.71	
32 17 23 13-0149 EA Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	378.74	
32 17 23 23 Raised Pavement Markings (32 17 23)		
32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23) Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM)	7.95	2.74
Note: Type G, H or R <i>For >100, Deduct</i>	-0.80	
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM)	8.45	2.74
Note: Type B, C, D, AC, RA or RR <i>For >100, Deduct</i>	-0.85	
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	10.49	2.74
<i>For >100, Deduct</i>	-1.05	
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM)	7.31	2.74
Note: Type A or AY <i>For >100, Deduct</i>	-0.73	
32 17 23 23-0006 Snowplowable Pavement Markers (32 17 23 23)		
32 17 23 23-0007 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail	78.45	32.99
Note: Type G, H or R		
32 17 23 23-0008 EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail	78.89	32.99
Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009 EA Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	22.84	
32 17 23 23-0010 EA Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	28.77	
32 17 23 33 Plastic Pavement Markings (32 17 23)		
32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33) Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001) Note: 90 mil thickness.		
32 17 23 33-0003 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.50	
<i>For Up To 5,000 LF, Add</i>	0.30	
<i>For >25,000 LF, Deduct</i>	-0.23	
<i>For 60 mils Thick, Deduct</i>	-0.20	
<i>For 125 mils Thick, Add</i>	0.26	
<i>For Broken Line, Deduct</i>	-0.87	
32 17 23 33-0004 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.13	
Note: Includes yellow or white.		
<i>For Up To 5,000 LF, Add</i>	0.43	
<i>For >25,000 LF, Deduct</i>	-0.32	
<i>For 60 mils Thick, Deduct</i>	-0.30	
<i>For 125 mils Thick, Add</i>	0.39	
<i>For Broken Line, Deduct</i>	-1.30	
32 17 23 33-0005 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.83	
Note: Includes yellow or white.		
<i>For Up To 5,000 LF, Add</i>	0.57	
<i>For >25,000 LF, Deduct</i>	-0.42	
<i>For 60 mils Thick, Deduct</i>	-0.40	
<i>For 125 mils Thick, Add</i>	0.52	
<i>For Broken Line, Deduct</i>	-1.73	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0006	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....4.14 Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.83	
			<i>For >25,000 LF, Deduct</i>	-0.62	
			<i>For 60 mils Thick, Deduct</i>	-0.61	
			<i>For 125 mils Thick, Add</i>	0.78	
			<i>For Broken Line, Deduct</i>	-2.60	
32 17 23 33-0007	LF		Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....2.81 Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.56	
			<i>For >25,000 LF, Deduct</i>	-0.42	
			<i>For 60 mils Thick, Deduct</i>	-0.40	
			<i>For 125 mils Thick, Add</i>	0.52	
			<i>For Broken Line On One Side, Deduct</i>	-0.87	
			<i>For Double Broken Line, Deduct</i>	-1.73	
32 17 23 33-0008	LF		Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....4.14 Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.83	
			<i>For >25,000 LF, Deduct</i>	-0.62	
			<i>For 60 mils Thick, Deduct</i>	-0.61	
			<i>For 125 mils Thick, Add</i>	0.78	
			<i>For Broken Line On One Side, Deduct</i>	-1.30	
			<i>For Double Broken Line, Deduct</i>	-2.60	
32 17 23 33-0009	SF		Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....9.83 Note: Includes yellow or white.		
			<i>For 60 mils Thick, Deduct</i>	-0.60	
			<i>For 125 mils Thick, Add</i>	0.78	
32 17 23 33-0010	EA		6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....6.70		
			<i>For Up To 10, Add</i>	0.72	
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 200, Deduct</i>	-0.48	
			<i>For >200, Deduct</i>	-0.96	
			<i>For 60 mils Thick, Deduct</i>	-0.34	
			<i>For 125 mils Thick, Add</i>	0.43	
32 17 23 33-0011	EA		12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....14.19		
			<i>For Up To 10, Add</i>	1.08	
			<i>For >50 To 100, Deduct</i>	-0.54	
			<i>For >100 To 200, Deduct</i>	-0.72	
			<i>For >200, Deduct</i>	-1.45	
			<i>For 60 mils Thick, Deduct</i>	-1.22	
			<i>For 125 mils Thick, Add</i>	1.57	
32 17 23 33-0012	EA		24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....24.18		
			<i>For Up To 10, Add</i>	1.80	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100 To 200, Deduct</i>	-1.20	
			<i>For >200, Deduct</i>	-2.40	
			<i>For 60 mils Thick, Deduct</i>	-2.13	
			<i>For 125 mils Thick, Add</i>	2.74	
32 17 23 33-0013	EA		36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....45.53		
			<i>For Up To 10, Add</i>	3.62	
			<i>For >50 To 100, Deduct</i>	-1.81	
			<i>For >100 To 200, Deduct</i>	-2.41	
			<i>For >200, Deduct</i>	-4.83	
			<i>For 60 mils Thick, Deduct</i>	-3.75	
			<i>For 125 mils Thick, Add</i>	4.82	
32 17 23 33-0014	EA		48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....54.82		
			<i>For Up To 10, Add</i>	4.05	
			<i>For >50 To 100, Deduct</i>	-2.03	
			<i>For >100 To 200, Deduct</i>	-2.70	
			<i>For >200, Deduct</i>	-5.40	
			<i>For 60 mils Thick, Deduct</i>	-4.87	
			<i>For 125 mils Thick, Add</i>	6.26	
32 17 23 33-0015	EA		72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....98.88		
			<i>For Up To 10, Add</i>	7.21	
			<i>For >50 To 100, Deduct</i>	-3.60	
			<i>For >100 To 200, Deduct</i>	-4.81	
			<i>For >200, Deduct</i>	-9.61	
			<i>For 60 mils Thick, Deduct</i>	-8.90	
			<i>For 125 mils Thick, Add</i>	11.44	
32 17 23 33-0016	EA		96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....131.40		
			<i>For Up To 10, Add</i>	9.68	
			<i>For >50 To 100, Deduct</i>	-4.84	
			<i>For >100 To 200, Deduct</i>	-6.45	
			<i>For >200, Deduct</i>	-12.90	
			<i>For 60 mils Thick, Deduct</i>	-11.70	
			<i>For 125 mils Thick, Add</i>	15.05	
32 17 23 33-0017	EA		120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....229.20		
			<i>For Up To 10, Add</i>	11.99	
			<i>For >50 To 100, Deduct</i>	-5.99	
			<i>For >100 To 200, Deduct</i>	-7.99	
			<i>For >200, Deduct</i>	-15.99	
			<i>For 60 mils Thick, Deduct</i>	-26.12	
			<i>For 125 mils Thick, Add</i>	33.59	
32 17 23 33-0018	SF		Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....12.05 <i>For 60 mils Thick, Deduct</i>	-0.84	
			<i>For 125 mils Thick, Add</i>	1.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0019 SY Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	34.33	
Note: Per SY of area.		
For 60 mils Thick, Deduct	-1.36	
For 125 mils Thick, Add	1.75	
32 17 23 33-0020 EA Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	313.68	
For 60 mils Thick, Deduct	-19.38	
For 125 mils Thick, Add	24.92	
32 17 23 33-0021 EA Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	932.33	
For 60 mils Thick, Deduct	-58.99	
For 125 mils Thick, Add	75.84	
32 17 23 33-0022 EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	195.22	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-26.72	
For 125 mils Thick, Add	34.36	
32 17 23 33-0023 EA Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	150.02	
For 60 mils Thick, Deduct	-9.27	
For 125 mils Thick, Add	11.92	
32 17 23 33-0024 SF Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.64	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.84	
For 125 mils Thick, Add	1.08	
32 17 23 33-0025 EA 10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	190.93	
For 60 mils Thick, Deduct	-11.80	
For 125 mils Thick, Add	15.17	
32 17 23 33-0026 EA 18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	340.95	
For 60 mils Thick, Deduct	-21.07	
For 125 mils Thick, Add	27.09	
32 17 23 33-0027 EA 24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	422.78	
For 60 mils Thick, Deduct	-26.12	
For 125 mils Thick, Add	33.59	
32 17 23 33-0028 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	613.71	
For 60 mils Thick, Deduct	-37.92	
For 125 mils Thick, Add	48.75	
32 17 23 33-0029 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	804.64	
For 60 mils Thick, Deduct	-49.72	
For 125 mils Thick, Add	63.92	
32 17 23 33-0030 EA 24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	572.80	
For 60 mils Thick, Deduct	-35.39	
For 125 mils Thick, Add	45.50	
32 17 23 33-0031 EA 24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	995.57	
For 60 mils Thick, Deduct	-61.51	
For 125 mils Thick, Add	79.09	
32 17 23 33-0032 EA 8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	204.58	
For 60 mils Thick, Deduct	-12.64	
For 125 mils Thick, Add	16.25	
32 17 23 33-0033 EA 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	450.05	
For 60 mils Thick, Deduct	-27.81	
For 125 mils Thick, Add	35.75	
32 17 23 33-0034 EA 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	572.80	
For 60 mils Thick, Deduct	-35.39	
For 125 mils Thick, Add	45.50	
32 17 23 33-0035 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	368.22	
For 60 mils Thick, Deduct	-22.75	
For 125 mils Thick, Add	29.25	
32 17 23 33-0036 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	490.97	
For 60 mils Thick, Deduct	-30.34	
For 125 mils Thick, Add	39.00	
32 17 23 33-0037 EA 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	95.47	
For 60 mils Thick, Deduct	-5.90	
For 125 mils Thick, Add	7.58	
32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs <small>(32 17 23 33-0001)</small>	3.40	
LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.40	
For 60 mils Thick, Deduct	-0.20	
For 125 mils Thick, Add	0.26	
LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.29	
For 60 mils Thick, Deduct	-0.30	
For 125 mils Thick, Add	0.39	
LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.29	
For 60 mils Thick, Deduct	-0.40	
For 125 mils Thick, Add	0.52	
LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	7.60	
For 60 mils Thick, Deduct	-0.61	
For 125 mils Thick, Add	0.78	
LF Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	13.66	
For 60 mils Thick, Deduct	-1.21	
For 125 mils Thick, Add	1.56	

32 17 23 33-0044 Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)
 Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0045	LF		Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....3.19 Note: Includes yellow or white. For Up To 5,000 LF, Add 0.64 For >25,000 LF, Deduct -0.48		
32 17 23 33-0046	LF		Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....4.70 Note: Includes yellow or white. For Up To 5,000 LF, Add 0.94 For >25,000 LF, Deduct -0.71		
32 17 23 33-0047	LF		Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....6.25 Note: Includes yellow or white. For Up To 5,000 LF, Add 1.25 For >25,000 LF, Deduct -0.94		
32 17 23 33-0048	LF		Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....9.27 Note: Includes yellow or white. For Up To 5,000 LF, Add 1.85 For >25,000 LF, Deduct -1.39		
32 17 23 33-0049	SF		Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape .....26.11 Note: Includes yellow or white.		
32 17 23 33-0050	EA		6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....38.73 For <10, Add 1.31 For >50 To 100, Deduct -0.65 For >100 To 200, Deduct -0.87 For >200, Deduct -1.74		
32 17 23 33-0051	EA		12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....68.18 For <10, Add 1.66 For >50 To 100, Deduct -0.83 For >100 To 200, Deduct -1.11 For >200, Deduct -2.21		
32 17 23 33-0052	EA		24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....117.28 For <10, Add 3.29 For >50 To 100, Deduct -1.64 For >100 To 200, Deduct -2.19 For >200, Deduct -4.38		
32 17 23 33-0053	EA		36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....169.87 For <10, Add 6.57 For >50 To 100, Deduct -3.28 For >100 To 200, Deduct -4.38 For >200, Deduct -8.76		
32 17 23 33-0054	EA		48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....199.01 For <10, Add 7.37 For >50 To 100, Deduct -3.68 For >100 To 200, Deduct -4.91 For >200, Deduct -9.82		
32 17 23 33-0055	EA		72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....255.86 For <10, Add 13.11 For >50 To 100, Deduct -6.55 For >100 To 200, Deduct -8.74 For >200, Deduct -17.47		
32 17 23 33-0056	EA		96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....326.51 For <10, Add 17.60 For >50 To 100, Deduct -8.80 For >100 To 200, Deduct -11.74 For >200, Deduct -23.47		
32 17 23 33-0057	EA		120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....409.18 For <10, Add 21.81 For >50 To 100, Deduct -10.91 For >100 To 200, Deduct -14.54 For >200, Deduct -29.08		
32 17 23 33-0058	SF		Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....26.96		
32 17 23 33-0059	SF		Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....28.55 Note: Handicap, railroad, diamond symbol, etc.		

32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0061	EA		Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....412.12 Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0062	EA		Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....1,093.06 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0063	EA		Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....217.90 Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0064	EA		6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....183.98 Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0065	EA		9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....357.93 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0066	EA		4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....213.33 Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0067	EA		8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....398.58 Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0068	EA		Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....681.71 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0069	EA		Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....1,026.82 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0070	EA		Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....368.35 Note: Approximate overall dimensions: 1-2/3' width x 12' height.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0071 EA Prefomed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 409.00 Note: Approximate overall dimensions: 3' width x 12' height.	409.00	
32 17 23 33-0072 EA Prefomed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 754.22 Note: Approximate overall dimensions: 5-1/2' width x 12' height.	754.22	
32 17 23 33-0073 EA Prefomed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 693.41 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	693.41	
32 17 23 33-0074 EA Prefomed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 696.60 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	696.60	
32 17 23 33-0075 EA Prefomed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 958.17 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	958.17	
32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
32 17 23 33-0077 Thermoplastic Pavement Marking Symbols For Parking Areas (32 17 23 33-0076) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 140.49 Note: White or blue symbol. Excludes striping.	140.49	
32 17 23 33-0079 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 527.14 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	527.14	
32 17 23 33-0080 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 298.68 Note: White symbol on blue background. Excludes striping.	298.68	
32 17 23 33-0081 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 358.75 Note: White symbol on blue background. Excludes striping.	358.75	
32 17 23 33-0082 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 375.99 Note: White symbol on blue background. Excludes striping.	375.99	
32 17 26 Tactile Warning Surfaces (32 17)		
32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface 69.78 Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	69.78	10.75
32 17 26 00-0003 SF Embedded, VPC Truncated Dome Detectable Warning Surface 55.82 Note: Also raised strips or directional bars. All colors.	55.82	10.75
32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005 SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) 82.93 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	82.93	10.75
32 17 26 00-0006 SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) 73.26 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	73.26	10.75
32 18 Athletic and Recreational Surfacing (32 10)		
32 18 16 Synthetic Resilient Surfacing (32 18)		
32 18 16 13 Playground Protective Surfacing (32 18 16)		
32 18 16 13-0001 Tile Playground Surface Material (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile Playground Surfacing 23.74 <i>For Manufacturer's Standard Colors, Add</i> 1.46 <i>For Interlocking Tiles, Add</i> 3.25 <i>For Mechanically Fastened, Add</i> 1.90 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	23.74	2.50
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile Playground Surfacing 24.20 <i>For Manufacturer's Standard Colors, Add</i> 1.46 <i>For Interlocking Tiles, Add</i> 3.25 <i>For Mechanically Fastened, Add</i> 1.99 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	24.20	2.65
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile Playground Surfacing 25.15 <i>For Manufacturer's Standard Colors, Add</i> 1.46 <i>For Interlocking Tiles, Add</i> 3.25 <i>For Mechanically Fastened, Add</i> 2.18 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	25.15	2.96
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile Playground Surfacing 26.08 <i>For Manufacturer's Standard Colors, Add</i> 1.46 <i>For Interlocking Tiles, Add</i> 3.25 <i>For Mechanically Fastened, Add</i> 2.37 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	26.08	3.27

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0006	SF		2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	29.11	3.59
			<i>For Manufacturer's Standard Colors, Add</i>	1.10	
			<i>For Interlocking Tiles, Add</i>	3.67	
			<i>For Mechanically Fastened, Add</i>	2.55	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0007	SF		3" Thick, Resilient Rubber Tile Playground Surfacing.....	30.14	3.93
			<i>For Manufacturer's Standard Colors, Add</i>	1.10	
			<i>For Interlocking Tiles, Add</i>	3.67	
			<i>For Mechanically Fastened, Add</i>	2.76	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0008	SF		3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	31.22	4.29
			<i>For Manufacturer's Standard Colors, Add</i>	1.10	
			<i>For Interlocking Tiles, Add</i>	3.67	
			<i>For Mechanically Fastened, Add</i>	2.97	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009	SF		3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	34.34	4.58
			<i>For Manufacturer's Standard Colors, Add</i>	0.61	
			<i>For Interlocking Tiles, Add</i>	4.10	
			<i>For Mechanically Fastened, Add</i>	3.17	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010	SF		3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	35.27	4.96
			<i>For Manufacturer's Standard Colors, Add</i>	0.61	
			<i>For Interlocking Tiles, Add</i>	4.10	
			<i>For Mechanically Fastened, Add</i>	3.36	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011	SF		4" Thick, Resilient Rubber Tile Playground Surfacing.....	36.30	5.24
			<i>For Manufacturer's Standard Colors, Add</i>	0.61	
			<i>For Interlocking Tiles, Add</i>	4.10	
			<i>For Mechanically Fastened, Add</i>	3.56	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012	SF		4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	41.79	5.90
			<i>For Manufacturer's Standard Colors, Add</i>	0.60	
			<i>For Interlocking Tiles, Add</i>	4.80	
			<i>For Mechanically Fastened, Add</i>	3.96	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0013			Loose Laid Playground Surface Material <small>(32 18 16 13)</small>		
			Note: Excludes sub base.		
32 18 16 13-0014	SF		3" Loose Laid Wood Fiber Safety Playground Surfacing	1.93	0.38
32 18 16 13-0015	SF		6" Loose Laid Wood Fiber Safety Playground Surfacing	2.59	0.47
32 18 16 13-0016	SF		9" Loose Laid Wood Fiber Safety Playground Surfacing	3.33	0.57
32 18 16 13-0017	SF		12" Loose Laid Wood Fiber Safety Playground Surfacing	4.70	0.84
32 18 16 13-0018	SF		3" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	3.06	0.38
32 18 16 13-0019	SF		6" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	3.78	0.47
32 18 16 13-0020	SF		9" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	5.93	0.57
32 18 16 13-0021	SF		12" Loose Laid Synthetic Fiber Safety Playground Surfacing.....	7.33	0.84
32 18 16 13-0022	SF		8" FIBAR System Playground Surfacing.....	12.39	1.41
			Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF		12" FIBAR System Playground Surfacing	15.71	1.87
			Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024			Poured In Place Playground Surfacing <small>(32 18 16 13)</small>		
			Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025	SF		1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	18.98	2.85
			<i>For Up To 2,000, Add</i>	3.84	
			<i>For >2,000 To 3,000, Add</i>	2.70	
			<i>For >3,000 To 4,000, Add</i>	1.84	
			<i>For >4,000 To 5,000, Add</i>	1.18	
			<i>For >5,000 To 7,000, Add</i>	0.49	
			<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0026	SF		2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	19.58	3.16
			<i>For Up To 2,000, Add</i>	3.96	
			<i>For >2,000 To 3,000, Add</i>	2.79	
			<i>For >3,000 To 4,000, Add</i>	1.90	
			<i>For >4,000 To 5,000, Add</i>	1.21	
			<i>For >5,000 To 7,000, Add</i>	0.50	
			<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0027	SF		2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	21.13	3.61
			<i>For Up To 2,000, Add</i>	4.27	
			<i>For >2,000 To 3,000, Add</i>	3.01	
			<i>For >3,000 To 4,000, Add</i>	2.05	
			<i>For >4,000 To 5,000, Add</i>	1.31	
			<i>For >5,000 To 7,000, Add</i>	0.54	
			<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0028 SF 3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	22.82	3.84
<i>For Up To 2,000, Add</i>	4.61	
<i>For >2,000 To 3,000, Add</i>	3.25	
<i>For >3,000 To 4,000, Add</i>	2.21	
<i>For >4,000 To 5,000, Add</i>	1.41	
<i>For >5,000 To 7,000, Add</i>	0.59	
<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0029 SF 3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	24.51	4.04
<i>For Up To 2,000, Add</i>	4.95	
<i>For >2,000 To 3,000, Add</i>	3.49	
<i>For >3,000 To 4,000, Add</i>	2.38	
<i>For >4,000 To 5,000, Add</i>	1.52	
<i>For >5,000 To 7,000, Add</i>	0.63	
<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0030 SF 4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	25.95	4.27
<i>For Up To 2,000, Add</i>	5.24	
<i>For >2,000 To 3,000, Add</i>	3.70	
<i>For >3,000 To 4,000, Add</i>	2.52	
<i>For >4,000 To 5,000, Add</i>	1.61	
<i>For >5,000 To 7,000, Add</i>	0.67	
<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0031 SF 4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	27.64	4.51
<i>For Up To 2,000, Add</i>	5.59	
<i>For >2,000 To 3,000, Add</i>	3.94	
<i>For >3,000 To 4,000, Add</i>	2.68	
<i>For >4,000 To 5,000, Add</i>	1.71	
<i>For >5,000 To 7,000, Add</i>	0.71	
<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0032 SF 5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing.....	31.01	5.05
<i>For Up To 2,000, Add</i>	6.27	
<i>For >2,000 To 3,000, Add</i>	4.42	
<i>For >3,000 To 4,000, Add</i>	3.01	
<i>For >4,000 To 5,000, Add</i>	1.92	
<i>For >5,000 To 7,000, Add</i>	0.80	
<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0033 SF 1/2" Top Only, Poured In Place Playground Surfacing	12.39	
Note: Not used with new surfacing system tasks.		
<i>For Up To 2,000, Add</i>	3.77	
<i>For >2,000 To 3,000, Add</i>	2.44	
<i>For >3,000 To 4,000, Add</i>	1.49	
<i>For >4,000 To 5,000, Add</i>	0.90	
<i>For >5,000 To 7,000, Add</i>	0.41	
<i>For Aliphatic (Non-Yellowing) Binder, Add</i>	4.28	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.58	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,804.50	
32 18 16 13-0035 Synthetic Playground Turf (Sporturf) <small>(32 18 16 13)</small>		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	10.52	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.25	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf).....	5.97	
32 18 16 13-0039 CF Sand/Ruber Infill (Sporturf).....	55.87	
32 18 23 Athletic Surfacing <small>(32 18)</small>		
32 18 23 29 Synthetic Field Sport Surfacing <small>(32 18 23)</small>		
32 18 23 29-0001 Synthetic Field Sport Surfacing <small>(32 18 23 29)</small>		
32 18 23 29-0002 Synthetic Turf (AstroTurf) <small>(32 18 23 29-0001)</small>		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38).....	8.28	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	27,453.10	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	22,376.87	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Per sport.	6,733.78	
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,486.32	
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields..... Note: Per endzone.	2,382.72	
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	20,719.32	
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	30,043.01	
32 18 23 29-0013			41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014	SF		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....	9.53	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	27,971.25	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	23,205.78	
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per sport.	7,251.81	
32 18 23 29-0018	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,693.53	
32 18 23 29-0019	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields..... Note: Per endzone.	2,486.33	
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	21,755.42	
32 18 23 29-0021	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	31,545.35	
32 18 23 29-0022			45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45).....	9.71	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA		Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	28,489.24	
32 18 23 29-0025	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	25,070.53	
32 18 23 29-0026	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per sport.	7,769.79	
32 18 23 29-0027	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	2,900.72	
32 18 23 29-0028	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per endzone.	2,589.93	
32 18 23 29-0029	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	22,791.39	
32 18 23 29-0030	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	33,047.51	
32 18 23 29-0031			Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032			52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52).....	10.88	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	29,525.03	
32 18 23 29-0035	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	31,493.37	
32 18 23 29-0036	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per sport.	8,805.71	
32 18 23 29-0037	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,315.09	
32 18 23 29-0038	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per endzone.	2,797.11	
32 18 23 29-0039	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Block letter.	24,863.18	
32 18 23 29-0040	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	36,051.62	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	11.26	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	30,043.01	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	35,015.65	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	9,323.69	
		Note: Per sport.		
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields	3,522.28	
		Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields	2,900.70	
		Note: Per endzone.		
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	25,899.15	
		Note: Block letter.		
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	37,553.77	
		Note: Graphic.		
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	11.28	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	30,561.00	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	35,222.84	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	9,841.68	
		Note: Per sport.		
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields	3,729.48	
		Note: Per letter. Excludes outline.		
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields	3,004.30	
		Note: Per endzone.		
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields	26,935.12	
		Note: Block letter.		
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields	39,055.92	
		Note: Graphic.		
32 18 23 29-0059		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	11.49	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	31,078.98	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	37,501.97	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	10,359.66	
		Note: Per sport.		
32 18 23 29-0064	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields	4,143.86	
		Note: Per letter. Excludes outline.		
32 18 23 29-0065	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields	3,107.90	
		Note: Per endzone.		
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields	27,971.08	
		Note: Block letter.		
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields	40,558.07	
		Note: Graphic.		
32 18 23 29-0068		Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0069		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) <small>(32 18 23 29-0068)</small>		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	9.15	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	26,417.29	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	19,476.28	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	5,697.85	
		Note: Per sport.		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0074	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Per letter. Excludes outline.	2,071.94	
32 18 23 29-0075	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Per endzone.	2,175.54	
32 18 23 29-0076	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Block letter.	18,647.50	
32 18 23 29-0077	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Graphic.	27,038.87	
32 18 23 29-0078			42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) <small>(32 18 23 29-0068)</small>		
32 18 23 29-0079	SF		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)..... <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	8.02 0.10 0.26 0.31 0.36	
32 18 23 29-0080	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	26,935.12	
32 18 23 29-0081	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	20,719.32	
32 18 23 29-0082	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	6,215.80	
			Note: Per sport.		
32 18 23 29-0083	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per letter. Excludes outline.	2,279.13	
32 18 23 29-0084	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per endzone.	2,279.13	
32 18 23 29-0085	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Block letter.	19,683.35	
32 18 23 29-0086	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Graphic.	28,540.86	
32 18 23 29-0087			Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0088	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	18.14	
32 18 23 29-0089	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	16.23	
32 18 23 29-0090	EA		Football Markings For AstroTurf® PureGrass® Fields	51,118.17	
32 18 23 29-0091	EA		Baseball Markings For AstroTurf® PureGrass® Fields	60,730.13	
32 18 23 29-0092	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields	14,854.85	
			Note: Per sport.		
32 18 23 29-0093	EA		Endzone Lettering For AstroTurf® PureGrass® Fields..... Note: Per letter. Excludes outline.	5,679.80	
32 18 23 29-0094	EA		Colored Endzone For AstroTurf® PureGrass® Fields	4,215.93	
			Note: Per endzone.		
32 18 23 29-0095	EA		Simple Logo For AstroTurf® PureGrass® Fields..... Note: Block letter.	37,943.38	
32 18 23 29-0096	EA		Deluxe Logo For AstroTurf® PureGrass® Fields..... Note: Graphic.	55,705.69	
32 18 23 29-0097			Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small>		
			Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF		2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	9.96	
			Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
			<i>For >35,000, Deduct</i>	-0.89	
32 18 23 29-0099	SF		2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	9.87	
			Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
			<i>For >35,000, Deduct</i>	-0.88	
32 18 23 29-0100	SF		1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	10.32	
			Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA		Football Inlays For G9 Synthetic Turf..... Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	70,684.04	
32 18 23 29-0102	EA		Soccer Inlays For G9 Synthetic Turf	30,629.75	
32 18 23 29-0103	EA		Boys Lacrosse Inlays For G9 Synthetic Turf.....	30,629.75	
32 18 23 29-0104	EA		Girls Lacrosse Inlays For G9 Synthetic Turf	30,629.75	
32 18 23 29-0105	EA		Field Hockey Inlays For G9 Synthetic Turf.....	30,629.75	
32 18 23 29-0106	EA		Endzone Lettering For G9 Synthetic Turf..... Note: Priced per letter. Includes single color outlining.	3,534.20	
32 18 23 29-0107	SF		Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.31	
32 18 23 29-0108	SF		Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	8.64	
32 18 23 29-0109	SF		Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.47	
32 18 23 29-0110	SF		Sand Infill For G9 Synthetic Turf.....	1.24	
32 18 23 29-0111	SF		Acrylic Coated Sand Infill For G9 Synthetic Turf.....	2.04	
32 18 23 29-0112	EA		Gmax Compaction And Hardness Test For G9 Synthetic Turf	2,356.13	
			Note: Includes a comprehensive report.		
32 18 23 29-0113	EA		Safety Bridge Over Track For G9 Synthetic Turf	23,561.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0114 SF Clean And Groom Synthetic Turf.....0.77 Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc. <i>For >10,000 To 30,000, Deduct</i> -0.31 <i>For >30,000 To 60,000, Deduct</i> -0.54 <i>For >60,000, Deduct</i> -0.59	0.77	
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill.....5.28 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.28	
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill.....5.87 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	5.87	
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf .....4.81 Note: Used for drainage over asphalt or on roof tops.	4.81	
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf .....2.96 Note: Used for additional Gmax for a stone base field.	2.96	
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....4,695.60 Note: Includes field inspection and report.	4,695.60	
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf .....12.91 Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	12.91	
32 18 23 29-0121 LF Nailer Used To Attach G9 Synthetic Turf.....5.17	5.17	
32 18 23 29-0122 SF Removal And Recycling Of Existing Field.....3.64 Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.64	
 32 18 23 33 Running Track Surfacing (32 18 23)		
32 18 23 33-0001 Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002 SY 2-1/2" Asphaltic Concrete Running Track Surfacing.....32.57	32.57	
 32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)		
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track.....19.84 Note: Includes certification.	19.84	
 32 18 23 39 Synthetic Running Track Surfacing (32 18 23)		
32 18 23 39-0001 Synthetic Running Track Surfacing And Striping (32 18 23 39) Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing.....82.82 <i>For Up To 4,000, Add</i> 20.69 <i>For >5,500, Deduct</i> -6.50	82.82	7.16
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing.....104.05 <i>For Up To 4,000, Add</i> 27.76 <i>For >5,500, Deduct</i> -8.72 <i>For Custom Color Upgrade, Add</i> 7.53 <i>For Aliphatic Top Coating, Add</i> 14.28	104.05	7.16
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing .....170.40 <i>For Up To 4,000, Add</i> 46.65 <i>For >5,500, Deduct</i> -8.00 <i>For Custom Color Upgrade, Add</i> 10.26 <i>For Aliphatic Top Coating, Add</i> 19.06	170.40	7.16
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing.....221.43 <i>For Up To 4,000, Add</i> 60.26 <i>For >5,500, Deduct</i> -10.33 <i>For Custom Color Upgrade, Add</i> 13.43 <i>For Aliphatic Top Coating, Add</i> 19.63	221.43	7.16
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing.....75.74 <i>For Up To 4,000, Add</i> 26.51 <i>For >5,500, Deduct</i> -10.98	75.74	
32 18 23 39-0007 SY Spray Retop Running Tracks.....66.53 <i>For Up To 4,000, Add</i> 23.29 <i>For >5,500, Deduct</i> -6.51	66.53	
32 18 23 39-0008 SY Sandwich Retop Running Tracks.....128.78 <i>For Up To 4,000, Add</i> 45.07 <i>For >5,500, Deduct</i> -13.57	128.78	
 32 18 23 53 Tennis Court Surfacing (32 18 23)		
32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53) See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick .....32.59	32.59	
32 18 23 53-0003 Tennis Court Markings (32 18 23 53)		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats.....	632.84	
32 18 23 56 Natural Tennis Court Surfacing (32 18 23)		
32 18 23 56-0001 SY Clay Tennis Court.....	44.67	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	49.62	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement.....	19.52	
32 18 23 56-0004 SY Resurface Clay Tennis Court.....	13.33	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone.....	11.38	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement.....	8.49	
32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61)		
Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.78	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	1.01	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.60	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	108.66	
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	4.09	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.25	
For US Open Blue, Add	0.87	
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	3.25	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.18	
For US Open Blue, Add	0.62	
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	2.78	
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.14	
For US Open Blue, Add	0.49	
32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	2.96	
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
For Pacific Blue, Add	0.08	
For US Open Or Australian Open Blue, Add	0.57	
For Pro Purple, Add	1.47	
32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0013 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®).....	1.61	
Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014 Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0015 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	6.99	
Note: Applied with rubber squeegee.		
32 18 23 61-0016 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	9.72	
Note: Applied with rubber squeegee.		
32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	8.29	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	6.09	
Note: Applied with rubber squeegee.		
32 18 23 61-0019 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	4.53	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.		



Exterior Improvements		32
Bases, Ballasts, and Paving		32 10
Athletic and Recreational Surfacing		32 18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 18 23 61-0020	Resurface Athletic Court ^(32 18 23 61)	
	Note: Excludes asphalt or concrete sub base and repairs of sub base.	
32 18 23 61-0021 SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.71

32 30 Site Improvements ⁽³²⁾

32 31 Fences and Gates ^(32 30)

32 31 11 Gate Operators ^(32 31)

32 31 11 00-0001	Gate Operators ^(32 31 11)	
	Note: Excludes gates, electrical connections, access controls and concrete foundation.	

32 31 11 00-0002	Gate Operators (DKS™ DoorKing®) ^(32 31 11 00-0001)	
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32 31 11 00-0003	Swing Gate Actuator (DKS™ DoorKing®) ^(32 31 11 00-0002)	
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32 31 11 00-0004	Single Gate, Swing Gate Actuator ^(32 31 11 00-0003)	
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32 31 11 00-0005 EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,995.50	225.01
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32 31 11 00-0006 EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,665.21	225.01
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32 31 11 00-0007	Dual Gate, Swing Gate Actuator ^(32 31 11 00-0003)	
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32 31 11 00-0008 EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	3,991.01	450.02
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32 31 11 00-0009 EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	5,330.43	450.02
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32 31 11 00-0010	Swing Gate Operators (DKS™ DoorKing®) ^(32 31 11 00-0002)	
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32 31 11 00-0011	Single Gate, Swing Gate Operators ^(32 31 11 00-0010)	
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32 31 11 00-0012 EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	4,090.48	225.01
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32 31 11 00-0013 EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	4,451.10	225.01
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32 31 11 00-0014 EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	6,048.09	225.01
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32 31 11 00-0015 EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	6,855.18	225.01
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	Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
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	For 208/230/460 Volt AC, Add	322.50	
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32 31 11 00-0015 EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	6,855.18	225.01
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	Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
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	For 208/230/460 Volt AC, Add	322.50	
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32 31 11 00-0016	Dual Gate, Swing Gate Operators ^(32 31 11 00-0010)	
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32 31 11 00-0017 EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	7,236.52	450.02
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32 31 11 00-0018 EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	7,957.74	450.02
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32 31 11 00-0019 EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	11,134.56	450.02
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32 31 11 00-0020 EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	12,903.28	450.02
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	Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
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	For 208/230/460 Volt AC, Add	322.50	
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32 31 11 00-0020 EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	12,903.28	450.02
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	Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
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	For 208/230/460 Volt AC, Add	322.50	
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32 31 11 00-0021	Sliding Gate Operators (DKS™ DoorKing®) ^(32 31 11 00-0002)	
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	Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
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32 31 11 00-0022 EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,909.03	225.01
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32 31 11 00-0023 EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,662.23	270.02
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32 31 11 00-0024 EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	3,281.21	270.02
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32 31 11 00-0025 EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	4,277.56	315.01
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	Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
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	Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
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32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0026	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	5,232.55	315.01
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	7,126.42	360.02
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	11,861.58	360.02
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	20,069.00	405.02
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0030			Accessories For Gate Actuators And Operators (DKS™ DoorKing®) <small>(32 31 11 00-0002)</small>		
32 31 11 00-0031	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	657.59	
32 31 11 00-0032	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,279.13	
32 31 11 00-0033	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	866.88	
32 31 11 00-0034	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	939.73	
32 31 11 00-0035	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	836.70	
32 31 11 00-0036	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	587.70	
32 31 11 00-0037	LF		#40 Chain For Sliding Gate Operators.....	5.97	
32 31 11 00-0038	LF		#41 Chain For Sliding Gate Operators.....	6.23	
32 31 11 00-0039	LF		#50 Chain For Sliding Gate Operators.....	7.95	
32 31 11 00-0040	LF		#60 Chain For Sliding Gate Operators.....	12.20	
32 31 11 00-0041	EA		Exterior Keypad Gate Operator (Linear AK-11).....	730.46	153.42
32 31 11 00-0042			Sliding Gate Operator (LiftMaster) <small>(32 31 11 00-0001)</small>		
32 31 11 00-0043	EA		Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,860.60	275.89
			Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
			<i>For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add</i>	191.03	
			<i>For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add</i>	136.74	
			<i>For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add</i>	67.34	
			<i>For 10 Watt Solar Panel (Liftmaster SP10W12V), Add</i>	270.67	
			<i>For Each Additional 10' Chain, Add</i>	40.54	
32 31 13			Chain Link Fences and Gates <small>(32 31)</small>		
32 31 13 13			Chain Link Fences and Gates <small>(32 31 13)</small>		
32 31 13 13-0001			Post Holes <small>(32 31 13 13)</small>		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
32 31 13 13-0002			Auger By Machine Fence Post Hole In Soil <small>(32 31 13 13-0001)</small>		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.03	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.28	
32 31 13 13-0005	VLF		3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.37	
32 31 13 13-0006	VLF		4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.04	
32 31 13 13-0007	VLF		6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.41	
32 31 13 13-0008	VLF		8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	18.05	
32 31 13 13-0009	VLF		10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	20.06	
32 31 13 13-0010	VLF		12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	22.56	
32 31 13 13-0011	VLF		18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	25.79	
32 31 13 13-0012	VLF		24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	30.08	
32 31 13 13-0013	VLF		30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	36.10	
32 31 13 13-0014	VLF		36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	45.12	
32 31 13 13-0015			Post Hole In Rock <small>(32 31 13 13-0001)</small>		
32 31 13 13-0016	CF		Jackhammer Post Hole In Rock.....	75.20	
32 31 13 13-0017	CF		Rock Drill Post Hole In Rock.....	21.15	
32 31 13 13-0018			Fill For Post Holes <small>(32 31 13 13-0001)</small>		
			See CSI section 03 21 00 00-0000 for reinforcing bars.		
32 31 13 13-0019			Concrete Fill For Post Holes <small>(32 31 13 13-0018)</small>		
32 31 13 13-0020	VLF		Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	5.95	
32 31 13 13-0021	VLF		2-1/2" Diameter, Concrete Fill For Post Hole.....	7.64	
32 31 13 13-0022	VLF		3" Diameter, Concrete Fill For Post Hole.....	8.42	
32 31 13 13-0023	VLF		4" Diameter, Concrete Fill For Post Hole.....	9.67	
32 31 13 13-0024	VLF		6" Diameter, Concrete Fill For Post Hole.....	13.62	
32 31 13 13-0025	VLF		8" Diameter, Concrete Fill For Post Hole.....	18.19	
32 31 13 13-0026	VLF		10" Diameter, Concrete Fill For Post Hole.....	22.24	
32 31 13 13-0027	VLF		12" Diameter, Concrete Fill For Post Hole.....	25.93	
32 31 13 13-0028	VLF		18" Diameter, Concrete Fill For Post Hole.....	35.32	
32 31 13 13-0029	VLF		24" Diameter, Concrete Fill For Post Hole.....	43.81	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0030 VLF 30" Diameter, Concrete Fill For Post Hole.....	52.10	
32 31 13 13-0031 VLF 36" Diameter, Concrete Fill For Post Hole.....	60.68	
32 31 13 13-0032 Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033 VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	7.06	
32 31 13 13-0034 VLF 2-1/2" Diameter, Grout Fill For Post Hole.....	9.08	
32 31 13 13-0035 VLF 3" Diameter, Grout Fill For Post Hole.....	9.88	
32 31 13 13-0036 VLF 4" Diameter, Grout Fill For Post Hole.....	11.12	
32 31 13 13-0037 VLF 6" Diameter, Grout Fill For Post Hole.....	15.53	
32 31 13 13-0038 VLF 8" Diameter, Grout Fill For Post Hole.....	20.71	
32 31 13 13-0039 VLF 10" Diameter, Grout Fill For Post Hole.....	25.24	
32 31 13 13-0040 VLF 12" Diameter, Grout Fill For Post Hole.....	29.29	
32 31 13 13-0041 VLF 18" Diameter, Grout Fill For Post Hole.....	39.16	
32 31 13 13-0042 VLF 24" Diameter, Grout Fill For Post Hole.....	47.83	
32 31 13 13-0043 VLF 30" Diameter, Grout Fill For Post Hole.....	56.23	
32 31 13 13-0044 VLF 36" Diameter, Grout Fill For Post Hole.....	64.83	
32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046 VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.01	
32 31 13 13-0047 VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	6.52	
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	6.81	
32 31 13 13-0049 VLF 4" Diameter, Compacted Earth Fill For Post Hole.....	7.02	
32 31 13 13-0050 VLF 6" Diameter, Compacted Earth Fill For Post Hole.....	9.38	
32 31 13 13-0051 VLF 8" Diameter, Compacted Earth Fill For Post Hole.....	12.50	
32 31 13 13-0052 VLF 10" Diameter, Compacted Earth Fill For Post Hole.....	15.00	
32 31 13 13-0053 VLF 12" Diameter, Compacted Earth Fill For Post Hole.....	17.00	
32 31 13 13-0054 VLF 18" Diameter, Compacted Earth Fill For Post Hole.....	20.71	
32 31 13 13-0055 VLF 24" Diameter, Compacted Earth Fill For Post Hole.....	23.25	
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	25.50	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	27.50	
32 31 13 13-0058 Fence Posts (32 31 13 13)		
Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts (32 31 13 13-0058)		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 13-0059)		
Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	21.14	3.41
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length.....	20.17	2.90
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length.....	18.99	2.40
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length.....	18.04	1.90
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length.....	17.40	1.64
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	16.41	1.14
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0059)		
Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	14.59	3.15
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
<i>For Each Single Barbed Wire Arm, Add</i>		
	1.90	
<i>For Each Double Barbed Wire Arm, Add</i>		
	3.40	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
	2.07	
<i>For Vinyl Coated, Add</i>		
	4.96	
<i>For Powder Coated, Add</i>		
	6.62	
<i>For Aluminum Coated, Add</i>		
	10.34	
<i>For Schedule 20, Deduct</i>		
	-1.65	
<i>For Schedule 80, Add</i>		
	4.60	
32 31 13 13-0069 LF 7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	13.49	2.66
<i>For Each Top Rail Fitting, Add</i>		
	0.85	
<i>For Each Single Barbed Wire Arm, Add</i>		
	1.90	
<i>For Each Double Barbed Wire Arm, Add</i>		
	3.40	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>		
	2.04	
<i>For Vinyl Coated, Add</i>		
	4.89	
<i>For Powder Coated, Add</i>		
	6.52	
<i>For Aluminum Coated, Add</i>		
	10.19	
<i>For Schedule 20, Deduct</i>		
	-1.63	
<i>For Schedule 80, Add</i>		
	4.45	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	12.35	2.15
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.02	
			<i>For Vinyl Coated, Add</i>	4.85	
			<i>For Powder Coated, Add</i>	6.47	
			<i>For Aluminum Coated, Add</i>	10.11	
			<i>For Schedule 20, Deduct</i>	-1.62	
			<i>For Schedule 80, Add</i>	4.31	
32 31 13	13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	11.48	1.64
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.02	
			<i>For Vinyl Coated, Add</i>	4.84	
			<i>For Powder Coated, Add</i>	6.45	
			<i>For Aluminum Coated, Add</i>	10.08	
			<i>For Schedule 20, Deduct</i>	-1.61	
			<i>For Schedule 80, Add</i>	4.21	
32 31 13	13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.90	1.39
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.01	
			<i>For Vinyl Coated, Add</i>	4.83	
			<i>For Powder Coated, Add</i>	6.44	
			<i>For Aluminum Coated, Add</i>	10.06	
			<i>For Schedule 20, Deduct</i>	-1.61	
			<i>For Schedule 80, Add</i>	4.15	
32 31 13	13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.28	1.14
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.01	
			<i>For Vinyl Coated, Add</i>	4.83	
			<i>For Powder Coated, Add</i>	6.44	
			<i>For Aluminum Coated, Add</i>	10.06	
			<i>For Schedule 20, Deduct</i>	-1.61	
			<i>For Schedule 80, Add</i>	4.09	
32 31 13	13-0074		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0059)		
			Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	16.64	3.29
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.53	
			<i>For Vinyl Coated, Add</i>	6.07	
			<i>For Powder Coated, Add</i>	8.09	
			<i>For Aluminum Coated, Add</i>	12.64	
			<i>For Schedule 20, Deduct</i>	-2.02	
			<i>For Schedule 80, Add</i>	5.51	
32 31 13	13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	15.63	2.78
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49	
			<i>For Vinyl Coated, Add</i>	5.98	
			<i>For Powder Coated, Add</i>	7.98	
			<i>For Aluminum Coated, Add</i>	12.46	
			<i>For Schedule 20, Deduct</i>	-1.99	
			<i>For Schedule 80, Add</i>	5.35	
32 31 13	13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	14.40	2.27
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.47	
			<i>For Vinyl Coated, Add</i>	5.93	
			<i>For Powder Coated, Add</i>	7.91	
			<i>For Aluminum Coated, Add</i>	12.36	
			<i>For Schedule 20, Deduct</i>	-1.98	
			<i>For Schedule 80, Add</i>	5.20	
32 31 13	13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	13.46	1.77
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.46	
			<i>For Vinyl Coated, Add</i>	5.91	
			<i>For Powder Coated, Add</i>	7.88	
			<i>For Aluminum Coated, Add</i>	12.31	
			<i>For Schedule 20, Deduct</i>	-1.97	
			<i>For Schedule 80, Add</i>	5.09	



Exterior Improvements	32	32
Site Improvements	32 30	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	12.85	1.51
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
For Vinyl Coated, Add	5.90	
For Powder Coated, Add	7.87	
For Aluminum Coated, Add	12.30	
For Schedule 20, Deduct	-1.97	
For Schedule 80, Add	5.02	
32 31 13 13-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	12.28	1.27
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
For Vinyl Coated, Add	5.90	
For Powder Coated, Add	7.86	
For Aluminum Coated, Add	12.29	
For Schedule 20, Deduct	-1.97	
For Schedule 80, Add	4.96	
32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) <small>(32 31 13 13-0059)</small>		
Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	20.26	3.54
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.34	
For Vinyl Coated, Add	8.02	
For Powder Coated, Add	10.70	
For Aluminum Coated, Add	16.71	
For Schedule 20, Deduct	-2.67	
For Schedule 80, Add	7.11	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	19.12	3.03
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.30	
For Vinyl Coated, Add	7.92	
For Powder Coated, Add	10.56	
For Aluminum Coated, Add	16.50	
For Schedule 20, Deduct	-2.64	
For Schedule 80, Add	6.93	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	17.85	2.40
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.28	
For Vinyl Coated, Add	7.87	
For Powder Coated, Add	10.49	
For Aluminum Coated, Add	16.39	
For Schedule 20, Deduct	-2.62	
For Schedule 80, Add	6.77	
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	16.86	1.90
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.27	
For Vinyl Coated, Add	7.84	
For Powder Coated, Add	10.46	
For Aluminum Coated, Add	16.34	
For Schedule 20, Deduct	-2.61	
For Schedule 80, Add	6.65	
32 31 13 13-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	16.20	1.64
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.26	
For Vinyl Coated, Add	7.83	
For Powder Coated, Add	10.44	
For Aluminum Coated, Add	16.31	
For Schedule 20, Deduct	-2.61	
For Schedule 80, Add	6.58	
32 31 13 13-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	15.61	1.27
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.26	
For Vinyl Coated, Add	7.83	
For Powder Coated, Add	10.44	
For Aluminum Coated, Add	16.31	
For Schedule 20, Deduct	-2.61	
For Schedule 80, Add	6.52	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0088			Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089	LF		3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	27.81	3.79
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.06	
			For Vinyl Coated, Add	12.14	
			For Powder Coated, Add	16.18	
			For Aluminum Coated, Add	25.29	
			For Schedule 20, Deduct	-4.05	
			For Schedule 80, Add	10.47	
32 31 13 13-0090	LF		3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	26.41	3.29
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.97	
			For Vinyl Coated, Add	11.93	
			For Powder Coated, Add	15.90	
			For Aluminum Coated, Add	24.85	
			For Schedule 20, Deduct	-3.98	
			For Schedule 80, Add	10.20	
32 31 13 13-0091	LF		3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	24.96	2.66
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.93	
			For Vinyl Coated, Add	11.82	
			For Powder Coated, Add	15.76	
			For Aluminum Coated, Add	24.63	
			For Schedule 20, Deduct	-3.94	
			For Schedule 80, Add	9.98	
32 31 13 13-0092	LF		3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	23.83	2.15
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.91	
			For Vinyl Coated, Add	11.77	
			For Powder Coated, Add	15.70	
			For Aluminum Coated, Add	24.53	
			For Schedule 20, Deduct	-3.92	
			For Schedule 80, Add	9.84	
32 31 13 13-0093	LF		3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	23.08	1.77
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.89	
			For Vinyl Coated, Add	11.74	
			For Powder Coated, Add	15.66	
			For Aluminum Coated, Add	24.46	
			For Schedule 20, Deduct	-3.91	
			For Schedule 80, Add	9.74	
32 31 13 13-0094	LF		3" Outside Diameter Galvanized Steel Post, >24' In Length	22.41	1.39
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.89	
			For Vinyl Coated, Add	11.74	
			For Powder Coated, Add	15.65	
			For Aluminum Coated, Add	24.45	
			For Schedule 20, Deduct	-3.91	
			For Schedule 80, Add	9.67	
32 31 13 13-0095			Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) <small>(32 31 13 13-0059)</small>		
			Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096	LF		4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	41.00	4.05
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.26	
			For Vinyl Coated, Add	19.82	
			For Powder Coated, Add	26.42	
			For Aluminum Coated, Add	41.29	
			For Schedule 20, Deduct	-6.61	
			For Schedule 80, Add	16.65	
32 31 13 13-0097	LF		4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	39.05	3.29
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.10	
			For Vinyl Coated, Add	19.44	
			For Powder Coated, Add	25.92	
			For Aluminum Coated, Add	40.50	
			For Schedule 20, Deduct	-6.48	
			For Schedule 80, Add	16.22	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	37.62	2.78
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	8.02	
For Vinyl Coated, Add	19.25	
For Powder Coated, Add	25.66	
For Aluminum Coated, Add	40.10	
For Schedule 20, Deduct	-6.42	
For Schedule 80, Add	15.95	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	36.35	2.27
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.98	
For Vinyl Coated, Add	19.15	
For Powder Coated, Add	25.54	
For Aluminum Coated, Add	39.90	
For Schedule 20, Deduct	-6.38	
For Schedule 80, Add	15.76	
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	36.28	2.27
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.96	
For Vinyl Coated, Add	19.11	
For Powder Coated, Add	25.48	
For Aluminum Coated, Add	39.81	
For Schedule 20, Deduct	-6.37	
For Schedule 80, Add	15.73	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	34.98	1.64
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	7.96	
For Vinyl Coated, Add	19.10	
For Powder Coated, Add	25.46	
For Aluminum Coated, Add	39.79	
For Schedule 20, Deduct	-6.37	
For Schedule 80, Add	15.59	
32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0059)		
Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	81.53	4.42
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	18.17	
For Vinyl Coated, Add	43.60	
For Powder Coated, Add	58.13	
For Aluminum Coated, Add	90.83	
For Schedule 20, Deduct	-14.53	
For Schedule 80, Add	35.76	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	77.71	3.66
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	17.57	
For Vinyl Coated, Add	42.17	
For Powder Coated, Add	56.22	
For Aluminum Coated, Add	87.85	
For Schedule 20, Deduct	-14.06	
For Schedule 80, Add	34.48	
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	75.25	3.03
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	17.27	
For Vinyl Coated, Add	41.45	
For Powder Coated, Add	55.26	
For Aluminum Coated, Add	86.35	
For Schedule 20, Deduct	-13.82	
For Schedule 80, Add	33.78	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	73.41	2.40
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	17.12	
For Vinyl Coated, Add	41.09	
For Powder Coated, Add	54.79	
For Aluminum Coated, Add	85.61	
For Schedule 20, Deduct	-13.70	
For Schedule 80, Add	33.37	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13	13-0107	LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	72.40	2.15
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.05	
			<i>For Vinyl Coated, Add</i>	40.91	
			<i>For Powder Coated, Add</i>	54.55	
			<i>For Aluminum Coated, Add</i>	85.24	
			<i>For Schedule 20, Deduct</i>	-13.64	
			<i>For Schedule 80, Add</i>	33.15	
	32 31 13	13-0108	LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	71.64	1.77
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.03	
			<i>For Vinyl Coated, Add</i>	40.88	
			<i>For Powder Coated, Add</i>	54.50	
			<i>For Aluminum Coated, Add</i>	85.16	
			<i>For Schedule 20, Deduct</i>	-13.63	
			<i>For Schedule 80, Add</i>	33.05	
	32 31 13	13-0109	Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)		
			Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
	32 31 13	13-0110	LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	158.37	4.93
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	37.13	
			<i>For Vinyl Coated, Add</i>	89.11	
			<i>For Powder Coated, Add</i>	118.82	
			<i>For Aluminum Coated, Add</i>	185.65	
			<i>For Schedule 20, Deduct</i>	-29.70	
			<i>For Schedule 80, Add</i>	72.27	
	32 31 13	13-0111	LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	152.02	4.17
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	35.95	
			<i>For Vinyl Coated, Add</i>	86.27	
			<i>For Powder Coated, Add</i>	115.02	
			<i>For Aluminum Coated, Add</i>	179.73	
			<i>For Schedule 20, Deduct</i>	-28.76	
			<i>For Schedule 80, Add</i>	69.84	
	32 31 13	13-0112	LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	148.24	3.41
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	35.35	
			<i>For Vinyl Coated, Add</i>	84.85	
			<i>For Powder Coated, Add</i>	113.13	
			<i>For Aluminum Coated, Add</i>	176.76	
			<i>For Schedule 20, Deduct</i>	-28.28	
			<i>For Schedule 80, Add</i>	68.56	
	32 31 13	13-0113	LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	145.64	2.66
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	35.06	
			<i>For Vinyl Coated, Add</i>	84.13	
			<i>For Powder Coated, Add</i>	112.18	
			<i>For Aluminum Coated, Add</i>	175.28	
			<i>For Schedule 20, Deduct</i>	-28.04	
			<i>For Schedule 80, Add</i>	67.85	
	32 31 13	13-0114	LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	144.31	2.27
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	34.91	
			<i>For Vinyl Coated, Add</i>	83.78	
			<i>For Powder Coated, Add</i>	111.70	
			<i>For Aluminum Coated, Add</i>	174.54	
			<i>For Schedule 20, Deduct</i>	-27.93	
			<i>For Schedule 80, Add</i>	67.49	
	32 31 13	13-0115	LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	143.41	1.90
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	34.88	
			<i>For Vinyl Coated, Add</i>	83.71	
			<i>For Powder Coated, Add</i>	111.61	
			<i>For Aluminum Coated, Add</i>	174.39	
			<i>For Schedule 20, Deduct</i>	-27.90	
			<i>For Schedule 80, Add</i>	67.35	



Exterior Improvements	32	
Site Improvements	32 30	32
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0116 Driven Post Supports <small>(32 31 13 13)</small> Note: OZ-Post.		
32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0118 EA 26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	78.74	
32 31 13 13-0119 EA 26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	78.74	
32 31 13 13-0120 EA 26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	80.77	
32 31 13 13-0121 EA 32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	97.09	
32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0123 EA 34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	91.00	
32 31 13 13-0124 EA 24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	87.95	
32 31 13 13-0125 EA 34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	91.61	
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	97.09	
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	97.09	
32 31 13 13-0128 Driven Post Support For Wooden Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	89.57	
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	94.04	
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	101.16	
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	101.16	
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	114.37	
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	123.71	
32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	89.57	
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	94.04	
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	101.16	
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	102.78	
32 31 13 13-0140 Chain Link Fence Assemblies <small>(32 31 13 13)</small>		
32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts <small>(32 31 13 13-0140)</small> Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0676 for barb wire attachments.		
32 31 13 13-0142 Galvanized <small>(32 31 13 13-0141)</small>		
32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	41.24 2.90 -8.48 -4.96 7.79 10.62 4.25 -2.12 -2.83 2.26 8.52 7.87 2.90 -1.45 -2.90 31.89	4.29

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		42.86	4.29
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		3.00	
		<i>For 13 Gauge Fabric, Deduct</i>		-8.95	
		<i>For 11 Gauge Fabric, Deduct</i>		-5.23	
		<i>For 6 Gauge Fabric, Add</i>		8.22	
		<i>For 1" Mesh Fabric, Add</i>		11.21	
		<i>For 1-3/4" Mesh Fabric, Add</i>		4.48	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-2.24	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-2.99	
		<i>For Posts 8' On Centers, Add</i>		2.35	
		<i>For Posts 5' On Centers, Add</i>		8.83	
		<i>For Up To 100, Add</i>		8.14	
		<i>For >100 To 250, Add</i>		3.00	
		<i>For >2,500 To 5,000, Deduct</i>		-1.50	
		<i>For >5,000, Deduct</i>		-3.00	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		36.58	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		44.28	4.29
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		3.08	
		<i>For 13 Gauge Fabric, Deduct</i>		-9.35	
		<i>For 11 Gauge Fabric, Deduct</i>		-5.46	
		<i>For 6 Gauge Fabric, Add</i>		8.59	
		<i>For 1" Mesh Fabric, Add</i>		11.71	
		<i>For 1-3/4" Mesh Fabric, Add</i>		4.68	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-2.34	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-3.12	
		<i>For Posts 8' On Centers, Add</i>		2.42	
		<i>For Posts 5' On Centers, Add</i>		9.10	
		<i>For Up To 100, Add</i>		8.38	
		<i>For >100 To 250, Add</i>		3.08	
		<i>For >2,500 To 5,000, Deduct</i>		-1.54	
		<i>For >5,000, Deduct</i>		-3.08	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		41.31	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		47.60	4.29
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		3.28	
		<i>For 13 Gauge Fabric, Deduct</i>		-10.32	
		<i>For 11 Gauge Fabric, Deduct</i>		-6.03	
		<i>For 6 Gauge Fabric, Add</i>		9.47	
		<i>For 1" Mesh Fabric, Add</i>		12.92	
		<i>For 1-3/4" Mesh Fabric, Add</i>		5.17	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-2.58	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-3.44	
		<i>For Posts 8' On Centers, Add</i>		2.59	
		<i>For Posts 5' On Centers, Add</i>		9.73	
		<i>For Up To 100, Add</i>		8.93	
		<i>For >100 To 250, Add</i>		3.28	
		<i>For >2,500 To 5,000, Deduct</i>		-1.64	
		<i>For >5,000, Deduct</i>		-3.28	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		50.14	
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		51.56	4.29
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		3.53	
		<i>For 13 Gauge Fabric, Deduct</i>		-11.29	
		<i>For 11 Gauge Fabric, Deduct</i>		-6.59	
		<i>For 6 Gauge Fabric, Add</i>		10.36	
		<i>For 1" Mesh Fabric, Add</i>		14.13	
		<i>For 1-3/4" Mesh Fabric, Add</i>		5.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-2.83	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-3.77	
		<i>For Posts 8' On Centers, Add</i>		2.81	
		<i>For Posts 5' On Centers, Add</i>		10.52	
		<i>For Up To 100, Add</i>		9.64	
		<i>For >100 To 250, Add</i>		3.53	
		<i>For >2,500 To 5,000, Deduct</i>		-1.77	
		<i>For >5,000, Deduct</i>		-3.53	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		59.03	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post		53.50	6.44
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>		3.67	
		<i>For 13 Gauge Fabric, Deduct</i>		-11.71	
		<i>For 11 Gauge Fabric, Deduct</i>		-6.84	
		<i>For 6 Gauge Fabric, Add</i>		10.75	
		<i>For 1" Mesh Fabric, Add</i>		14.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>		5.86	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-2.93	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-3.91	
		<i>For Posts 8' On Centers, Add</i>		2.91	
		<i>For Posts 5' On Centers, Add</i>		10.92	
		<i>For Up To 100, Add</i>		10.01	
		<i>For >100 To 250, Add</i>		3.67	
		<i>For >2,500 To 5,000, Deduct</i>		-1.83	
		<i>For >5,000, Deduct</i>		-3.67	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		68.06	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	60.69	7.52
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.09	
			<i>For 13 Gauge Fabric, Deduct</i>	-13.76	
			<i>For 11 Gauge Fabric, Deduct</i>	-8.04	
			<i>For 6 Gauge Fabric, Add</i>	12.63	
			<i>For 1" Mesh Fabric, Add</i>	17.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.89	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.45	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.59	
			<i>For Posts 8' On Centers, Add</i>	3.29	
			<i>For Posts 5' On Centers, Add</i>	12.30	
			<i>For Up To 100, Add</i>	11.21	
			<i>For >100 To 250, Add</i>	4.09	
			<i>For >2,500 To 5,000, Deduct</i>	-2.04	
			<i>For >5,000, Deduct</i>	-4.09	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	77.18	
32 31 13	13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	64.70	9.66
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.34	
			<i>For 13 Gauge Fabric, Deduct</i>	-14.81	
			<i>For 11 Gauge Fabric, Deduct</i>	-8.65	
			<i>For 6 Gauge Fabric, Add</i>	13.60	
			<i>For 1" Mesh Fabric, Add</i>	18.54	
			<i>For 1-3/4" Mesh Fabric, Add</i>	7.42	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.71	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.94	
			<i>For Posts 8' On Centers, Add</i>	3.50	
			<i>For Posts 5' On Centers, Add</i>	13.08	
			<i>For Up To 100, Add</i>	11.91	
			<i>For >100 To 250, Add</i>	4.34	
			<i>For >2,500 To 5,000, Deduct</i>	-2.17	
			<i>For >5,000, Deduct</i>	-4.34	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	85.11	
32 31 13	13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	68.75	10.74
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.59	
			<i>For 13 Gauge Fabric, Deduct</i>	-15.86	
			<i>For 11 Gauge Fabric, Deduct</i>	-9.27	
			<i>For 6 Gauge Fabric, Add</i>	14.56	
			<i>For 1" Mesh Fabric, Add</i>	19.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	7.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.97	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.30	
			<i>For Posts 8' On Centers, Add</i>	3.71	
			<i>For Posts 5' On Centers, Add</i>	13.88	
			<i>For Up To 100, Add</i>	12.62	
			<i>For >100 To 250, Add</i>	4.59	
			<i>For >2,500 To 5,000, Deduct</i>	-2.30	
			<i>For >5,000, Deduct</i>	-4.59	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	93.33	
32 31 13	13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	76.32	12.88
			<i>For Each Additional Foot >12, Add</i>	4.25	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.07	
			<i>For 13 Gauge Fabric, Deduct</i>	-17.82	
			<i>For 11 Gauge Fabric, Deduct</i>	-10.41	
			<i>For 6 Gauge Fabric, Add</i>	16.36	
			<i>For 1" Mesh Fabric, Add</i>	22.31	
			<i>For 1-3/4" Mesh Fabric, Add</i>	8.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.46	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.95	
			<i>For Posts 8' On Centers, Add</i>	4.12	
			<i>For Posts 5' On Centers, Add</i>	15.36	
			<i>For Up To 100, Add</i>	13.95	
			<i>For >100 To 250, Add</i>	5.07	
			<i>For >2,500 To 5,000, Deduct</i>	-2.53	
			<i>For >5,000, Deduct</i>	-5.07	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	101.22	

32 31 13 13-0153 Vinyl Coated (32 31 13 13-0141)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0154	LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	45.84	4.29
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.27	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.16	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.90	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.78	
			<i>For 6 Gauge Fabric, Add</i>	9.09	
			<i>For 1" Mesh Fabric, Add</i>	12.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.96	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.48	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.30	
			<i>For Posts 8' On Centers, Add</i>	2.50	
			<i>For Posts 5' On Centers, Add</i>	9.38	
			<i>For Up To 100, Add</i>	8.61	
			<i>For >100 To 250, Add</i>	3.16	
			<i>For >2,500 To 5,000, Deduct</i>	-1.58	
			<i>For >5,000, Deduct</i>	-3.16	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	46.29	
32 31	13	13-0155	LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	49.57	4.29
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.75	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.37	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.00	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.43	
			<i>For 6 Gauge Fabric, Add</i>	10.10	
			<i>For 1" Mesh Fabric, Add</i>	13.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.51	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.75	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.67	
			<i>For Posts 8' On Centers, Add</i>	2.69	
			<i>For Posts 5' On Centers, Add</i>	10.09	
			<i>For Up To 100, Add</i>	9.23	
			<i>For >100 To 250, Add</i>	3.37	
			<i>For >2,500 To 5,000, Deduct</i>	-1.69	
			<i>For >5,000, Deduct</i>	-3.37	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	56.37	
32 31	13	13-0156	LF 6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.57	4.29
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.47	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.73	
			<i>For 13 Gauge Fabric, Deduct</i>	-12.68	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.41	
			<i>For 6 Gauge Fabric, Add</i>	11.64	
			<i>For 1" Mesh Fabric, Add</i>	15.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.17	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.23	
			<i>For Posts 8' On Centers, Add</i>	3.01	
			<i>For Posts 5' On Centers, Add</i>	11.24	
			<i>For Up To 100, Add</i>	10.24	
			<i>For >100 To 250, Add</i>	3.73	
			<i>For >2,500 To 5,000, Deduct</i>	-1.87	
			<i>For >5,000, Deduct</i>	-3.73	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	66.50	
32 31	13	13-0157	LF 7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	58.15	6.44
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.75	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.90	
			<i>For 13 Gauge Fabric, Deduct</i>	-13.33	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.79	
			<i>For 6 Gauge Fabric, Add</i>	12.23	
			<i>For 1" Mesh Fabric, Add</i>	16.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.67	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.34	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.45	
			<i>For Posts 8' On Centers, Add</i>	3.15	
			<i>For Posts 5' On Centers, Add</i>	11.75	
			<i>For Up To 100, Add</i>	10.70	
			<i>For >100 To 250, Add</i>	3.90	
			<i>For >2,500 To 5,000, Deduct</i>	-1.95	
			<i>For >5,000, Deduct</i>	-3.90	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	76.78	



Exterior Improvements	32	
Site Improvements	32 30	32
Fences and Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	66.11	7.52
32 31 13	13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	70.52	9.66
32 31 13	13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	74.97	10.74
32 31 13	13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Each Additional Foot >12, Add</i> <i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i> <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	81.79	12.88
32 31 13	13-0162		Rails <small>(32 31 13 13)</small> Note: Includes rail end fittings.		
32 31 13	13-0163		SS-20 Chain Link Fence Rails <small>(32 31 13 13-0162)</small> Note: Includes tie wires.		
32 31 13	13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings <i>For SS15, Deduct</i> <i>For SS40, Add</i>	7.47	1.39
32 31 13	13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings <i>For SS40, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	9.00	1.39

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13	13-0166	LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings <i>For SS15, Deduct</i> <i>For SS40, Add</i>	9.24 -0.61 1.52	1.58
	32 31 13	13-0167	LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings <i>For SS40, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	11.29 0.81 1.63 3.26	1.58
	32 31 13	13-0168	LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings <i>For SS40, Add</i>	10.84 1.83	1.77
	32 31 13	13-0169	LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings <i>For SS40, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	13.31 0.98 1.95 3.91	1.77
	32 31 13	13-0170	Fabric (32 31 13 13)		
	32 31 13	13-0171	Fabric, Galvanized Chain Link (32 31 13 13-0170)		
	32 31 13	13-0172	LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	12.07 1.08 0.96 -1.73 -0.96 3.08 2.89 1.93 1.16 -0.58 -0.77 33.13	2.53
	32 31 13	13-0173	LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	13.34 1.26 1.12 -2.02 -1.12 3.59 3.37 2.25 1.35 -0.67 -0.90 37.91	2.85
	32 31 13	13-0174	LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	14.41 1.38 1.24 -2.22 -1.24 3.95 3.71 2.47 1.48 -0.74 -0.99 42.72	3.15
	32 31 13	13-0175	LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	16.26 1.72 1.54 -2.77 -1.54 4.93 4.62 3.08 1.85 -0.92 -1.23 51.64	3.79
	32 31 13	13-0176	LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	18.23 2.07 1.85 -3.33 -1.85 5.92 5.55 3.70 2.22 -1.11 -1.48 60.66	4.42



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	20.27	5.05
For 1-1/4" Mesh Fabric, Add	2.41	
For 2 Oz Galvanized Or Zinc Coating, Add	2.15	
For 13 Gauge Fabric, Deduct	-3.87	
For 11 Gauge Fabric, Deduct	-2.15	
For 6 Gauge Fabric, Add	6.89	
For 1" Mesh Fabric, Add	6.46	
For 1-1/4" Mesh Fabric, Add	4.31	
For 1-3/4" Mesh Fabric, Add	2.58	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.72	
For 3/8" Non-Climbable Mesh, Add	69.80	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	22.48	6.32
For 1-1/4" Mesh Fabric, Add	2.76	
For 2 Oz Galvanized Or Zinc Coating, Add	2.46	
For 13 Gauge Fabric, Deduct	-4.43	
For 11 Gauge Fabric, Deduct	-2.46	
For 6 Gauge Fabric, Add	7.88	
For 1" Mesh Fabric, Add	7.39	
For 1-1/4" Mesh Fabric, Add	4.93	
For 1-3/4" Mesh Fabric, Add	2.96	
For 2-1/8" Mesh Fabric, Deduct	-1.48	
For 2-3/8" Mesh Fabric, Deduct	-1.97	
For 3/8" Non-Climbable Mesh, Add	79.08	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	26.74	6.95
For 1-1/4" Mesh Fabric, Add	3.58	
For 2 Oz Galvanized Or Zinc Coating, Add	3.20	
For 13 Gauge Fabric, Deduct	-5.76	
For 11 Gauge Fabric, Deduct	-3.20	
For 6 Gauge Fabric, Add	10.24	
For 1" Mesh Fabric, Add	9.60	
For 1-1/4" Mesh Fabric, Add	6.40	
For 1-3/4" Mesh Fabric, Add	3.84	
For 2-1/8" Mesh Fabric, Deduct	-1.92	
For 2-3/8" Mesh Fabric, Deduct	-2.56	
For 3/8" Non-Climbable Mesh, Add	95.42	
32 31 13 13-0180 LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	30.50	7.58
For 1-1/4" Mesh Fabric, Add	4.30	
For 2 Oz Galvanized Or Zinc Coating, Add	3.84	
For 13 Gauge Fabric, Deduct	-6.90	
For 11 Gauge Fabric, Deduct	-3.84	
For 6 Gauge Fabric, Add	12.27	
For 1" Mesh Fabric, Add	11.51	
For 1-1/4" Mesh Fabric, Add	7.67	
For 1-3/4" Mesh Fabric, Add	4.60	
For 2-1/8" Mesh Fabric, Deduct	-2.30	
For 2-3/8" Mesh Fabric, Deduct	-3.07	
For 3/8" Non-Climbable Mesh, Add	103.49	
32 31 13 13-0181 LF 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	34.17	8.85
For 1-1/4" Mesh Fabric, Add	4.61	
For 2 Oz Galvanized Or Zinc Coating, Add	4.12	
For 13 Gauge Fabric, Deduct	-7.42	
For 11 Gauge Fabric, Deduct	-4.12	
For 6 Gauge Fabric, Add	13.18	
For 1" Mesh Fabric, Add	12.36	
For 1-1/4" Mesh Fabric, Add	8.24	
For 1-3/4" Mesh Fabric, Add	4.94	
For 2-1/8" Mesh Fabric, Deduct	-2.47	
For 2-3/8" Mesh Fabric, Deduct	-3.30	
For 3/8" Non-Climbable Mesh, Add	112.89	
32 31 13 13-0182 LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	37.83	10.10
For 1-1/4" Mesh Fabric, Add	4.93	
For 2 Oz Galvanized Or Zinc Coating, Add	4.40	
For 13 Gauge Fabric, Deduct	-7.92	
For 11 Gauge Fabric, Deduct	-4.40	
For 6 Gauge Fabric, Add	14.09	
For 1" Mesh Fabric, Add	13.21	
For 1-1/4" Mesh Fabric, Add	8.81	
For 1-3/4" Mesh Fabric, Add	5.28	
For 2-1/8" Mesh Fabric, Deduct	-2.64	
For 2-3/8" Mesh Fabric, Deduct	-3.52	
For 3/8" Non-Climbable Mesh, Add	122.29	
32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)		
32 31 13 13-0184 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.97	2.53
For 1-1/4" Mesh Fabric, Add	1.82	
For 13 Gauge Fabric, Deduct	-2.93	
For 11 Gauge Fabric, Deduct	-1.63	
For 6 Gauge Fabric, Add	5.20	
For 1" Mesh Fabric, Add	4.88	
For 1-1/4" Mesh Fabric, Add	3.25	
For 1-3/4" Mesh Fabric, Add	1.95	
For 2-1/8" Mesh Fabric, Deduct	-0.98	
For 2-3/8" Mesh Fabric, Deduct	-1.30	
For 3/8" Non-Climbable Mesh, Add	47.70	
For Aluminum Coated, Add	2.60	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0185	LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.23	3.79
	For 1-1/4" Mesh Fabric, Add	2.28	
	For 13 Gauge Fabric, Deduct	-3.66	
	For 11 Gauge Fabric, Deduct	-2.03	
	For 6 Gauge Fabric, Add	6.50	
	For 1" Mesh Fabric, Add	6.10	
	For 1-1/4" Mesh Fabric, Add	4.07	
	For 1-3/4" Mesh Fabric, Add	2.44	
	For 2-1/8" Mesh Fabric, Deduct	-1.22	
	For 2-3/8" Mesh Fabric, Deduct	-1.63	
	For 3/8" Non-Climbable Mesh, Add	57.87	
	For Aluminum Coated, Add	3.25	
32 31 13 13-0186	LF 6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.23	4.42
	For 1-1/4" Mesh Fabric, Add	3.19	
	For 13 Gauge Fabric, Deduct	-5.13	
	For 11 Gauge Fabric, Deduct	-2.85	
	For 6 Gauge Fabric, Add	9.12	
	For 1" Mesh Fabric, Add	8.55	
	For 1-1/4" Mesh Fabric, Add	5.70	
	For 1-3/4" Mesh Fabric, Add	3.42	
	For 2-1/8" Mesh Fabric, Deduct	-1.71	
	For 2-3/8" Mesh Fabric, Deduct	-2.28	
	For 3/8" Non-Climbable Mesh, Add	68.13	
	For Aluminum Coated, Add	4.56	
32 31 13 13-0187	LF 7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.93	5.05
	For 1-1/4" Mesh Fabric, Add	3.72	
	For 13 Gauge Fabric, Deduct	-5.97	
	For 11 Gauge Fabric, Deduct	-3.32	
	For 6 Gauge Fabric, Add	10.62	
	For 1" Mesh Fabric, Add	9.95	
	For 1-1/4" Mesh Fabric, Add	6.64	
	For 1-3/4" Mesh Fabric, Add	3.98	
	For 2-1/8" Mesh Fabric, Deduct	-1.99	
	For 2-3/8" Mesh Fabric, Deduct	-2.65	
	For 3/8" Non-Climbable Mesh, Add	78.52	
	For Aluminum Coated, Add	5.31	
32 31 13 13-0188	LF 8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.91	6.32
	For 1-1/4" Mesh Fabric, Add	4.28	
	For 13 Gauge Fabric, Deduct	-6.88	
	For 11 Gauge Fabric, Deduct	-3.82	
	For 6 Gauge Fabric, Add	12.22	
	For 1" Mesh Fabric, Add	11.46	
	For 1-1/4" Mesh Fabric, Add	7.64	
	For 1-3/4" Mesh Fabric, Add	4.58	
	For 2-1/8" Mesh Fabric, Deduct	-2.29	
	For 2-3/8" Mesh Fabric, Deduct	-3.06	
	For 3/8" Non-Climbable Mesh, Add	89.05	
	For Aluminum Coated, Add	6.11	
32 31 13 13-0189	LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	32.96	6.95
	For 1-1/4" Mesh Fabric, Add	5.33	
	For 13 Gauge Fabric, Deduct	-8.56	
	For 11 Gauge Fabric, Deduct	-4.76	
	For 6 Gauge Fabric, Add	15.22	
	For 1" Mesh Fabric, Add	14.27	
	For 1-1/4" Mesh Fabric, Add	9.51	
	For 1-3/4" Mesh Fabric, Add	5.71	
	For 2-1/8" Mesh Fabric, Deduct	-2.85	
	For 2-3/8" Mesh Fabric, Deduct	-3.80	
	For 3/8" Non-Climbable Mesh, Add	107.64	
	For Aluminum Coated, Add	7.61	
32 31 13 13-0190	LF 12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	35.96	7.58
	For 1-1/4" Mesh Fabric, Add	5.82	
	For 13 Gauge Fabric, Deduct	-9.36	
	For 11 Gauge Fabric, Deduct	-5.20	
	For 6 Gauge Fabric, Add	16.64	
	For 1" Mesh Fabric, Add	15.60	
	For 1-1/4" Mesh Fabric, Add	10.40	
	For 1-3/4" Mesh Fabric, Add	6.24	
	For 2-1/8" Mesh Fabric, Deduct	-3.12	
	For 2-3/8" Mesh Fabric, Deduct	-4.16	
	For 3/8" Non-Climbable Mesh, Add	116.74	
	For Aluminum Coated, Add	8.32	
32 31 13 13-0191	LF 14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	40.59	8.85
	For 1-1/4" Mesh Fabric, Add	6.41	
	For 13 Gauge Fabric, Deduct	-10.31	
	For 11 Gauge Fabric, Deduct	-5.73	
	For 6 Gauge Fabric, Add	18.32	
	For 1" Mesh Fabric, Add	17.18	
	For 1-1/4" Mesh Fabric, Add	11.45	
	For 1-3/4" Mesh Fabric, Add	6.87	
	For 2-1/8" Mesh Fabric, Deduct	-3.44	
	For 2-3/8" Mesh Fabric, Deduct	-4.58	
	For 3/8" Non-Climbable Mesh, Add	127.17	
	For Aluminum Coated, Add	9.16	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i> <i>For Aluminum Coated, Add</i>	45.31 7.03 -11.29 -6.27 20.07 18.82 12.55 7.53 -3.76 -5.02 137.60 10.04	10.10
32 31 13	13-0193		Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13	13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.60 2.70 3.55	2.53
32 31 13	13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.77 3.14 4.12	2.85
32 31 13	13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.96 3.59 4.71	3.15
32 31 13	13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.71 4.49 5.89	3.79
32 31 13	13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.54 5.37 7.05	4.42
32 31 13	13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.51 6.28 8.24	5.05
32 31 13	13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.59 7.17 9.41	6.32
32 31 13	13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	25.14 8.96 11.76	6.95
32 31 13	13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	28.60 10.75 14.11	7.58
32 31 13	13-0203		Fabric, All Aluminum Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13	13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.05 7.06 9.27	2.53
32 31 13	13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.15 8.24 10.82	2.85
32 31 13	13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.24 9.42 12.36	3.15
32 31 13	13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	24.81 11.77 15.45	3.79
32 31 13	13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	28.49 14.13 18.54	4.42
32 31 13	13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	32.26 16.48 21.63	5.05
32 31 13	13-0210	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	36.17 18.83 24.72	6.32
32 31 13	13-0211	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	43.37 23.54 30.90	6.95
32 31 13	13-0212	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	50.47 28.25 37.08	7.58
32 31 13	13-0213		Fence Inserts <small>(32 31 13 13-0170)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13	13-0214		Vinyl Plastic Fence Inserts <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13	13-0215	LF	3' High Fence, Vinyl Plastic Fence Insert.....	9.60	
32 31 13	13-0216	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	10.95	
32 31 13	13-0217	LF	4' High Fence, Vinyl Plastic Fence Insert.....	12.08	
32 31 13	13-0218	LF	5' High Fence, Vinyl Plastic Fence Insert.....	15.14	
32 31 13	13-0219	LF	6' High Fence, Vinyl Plastic Fence Insert.....	18.11	
32 31 13	13-0220	LF	7' High Fence, Vinyl Plastic Fence Insert.....	21.19	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0221	LF	8' High Fence, Vinyl Plastic Fence Insert.....		24.15	
32 31 13 13-0222	LF	10' High Fence, Vinyl Plastic Fence Insert.....		29.43	
32 31 13 13-0223		Aluminum Fence Inserts (32 31 13 13-0213)			
		Note: Assorted colors.			
32 31 13 13-0224	LF	3' High Fence, Aluminum Fence Insert.....		33.70	
32 31 13 13-0225	LF	3-1/2' High Fence, Aluminum Fence Insert.....		36.95	
32 31 13 13-0226	LF	4' High Fence, Aluminum Fence Insert.....		41.93	
32 31 13 13-0227	LF	5' High Fence, Aluminum Fence Insert.....		52.47	
32 31 13 13-0228	LF	6' High Fence, Aluminum Fence Insert.....		62.95	
32 31 13 13-0229	LF	7' High Fence, Aluminum Fence Insert.....		68.36	
32 31 13 13-0230	LF	8' High Fence, Aluminum Fence Insert.....		83.93	
32 31 13 13-0231	LF	10' High Fence, Aluminum Fence Insert.....		104.54	
32 31 13 13-0232		Redwood Fence Inserts (32 31 13 13-0213)			
32 31 13 13-0233	LF	4' High Fence, Redwood Fence Insert.....		14.33	
32 31 13 13-0234	LF	5' High Fence, Redwood Fence Insert.....		18.13	
32 31 13 13-0235	LF	6' High Fence, Redwood Fence Insert.....		21.77	
32 31 13 13-0236	LF	7' High Fence, Redwood Fence Insert.....		25.34	
32 31 13 13-0237	LF	8' High Fence, Redwood Fence Insert.....		28.99	
32 31 13 13-0238		Diagonal Flexible Polyethylene Inserts (32 31 13 13-0213)			
32 31 13 13-0239	SF	Diagonal Polyethylene Fence Weave.....		3.82	
32 31 13 13-0240		Hedge Link Fence Inserts (32 31 13 13-0213)			
32 31 13 13-0241	LF	3' High Fence, Hedge Link Fence Insert.....		20.59	
32 31 13 13-0242	LF	3-1/2' High Fence, Hedge Link Fence Insert.....		23.45	
32 31 13 13-0243	LF	4' High Fence, Hedge Link Fence Insert.....		27.45	
32 31 13 13-0244	LF	5' High Fence, Hedge Link Fence Insert.....		33.85	
32 31 13 13-0245	LF	6' High Fence, Hedge Link Fence Insert.....		38.69	
32 31 13 13-0246	LF	7' High Fence, Hedge Link Fence Insert.....		48.94	
32 31 13 13-0247	LF	8' High Fence, Hedge Link Fence Insert.....		55.57	
32 31 13 13-0248	LF	10' High Fence, Hedge Link Fence Insert.....		66.44	
32 31 13 13-0249	LF	12' High Fence, Hedge Link Fence Insert.....		76.22	
32 31 13 13-0250		Fence Windscreen Fabric (32 31 13 13-0170)			
		Note: Includes plastic wire clips.			
32 31 13 13-0251	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....		1.29	0.57
		For Sewn Boxed Vent (Each), Add		28.17	
		For Welded Boxed Vent (Each), Add		14.09	
		For 4' x 4' One Color Logo (Each), Add		586.95	
32 31 13 13-0252		Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0170)			
32 31 13 13-0253	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....		33.13	2.53
		For 11 Gauge, Deduct		-4.98	
		For 10 Gauge, Deduct		-1.99	
		For 7 Gauge, Add		2.99	
		For 6 Gauge, Add		6.97	
		For 1/2" Mesh Fabric, Deduct		-1.25	
		For 5/8" Mesh Fabric, Deduct		-2.74	
		For 3/4" Mesh Fabric, Deduct		-3.99	
32 31 13 13-0254	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....		37.91	2.85
		For 11 Gauge, Deduct		-5.81	
		For 10 Gauge, Deduct		-2.32	
		For 7 Gauge, Add		3.49	
		For 6 Gauge, Add		8.14	
		For 1/2" Mesh Fabric, Deduct		-1.45	
		For 5/8" Mesh Fabric, Deduct		-3.20	
		For 3/4" Mesh Fabric, Deduct		-4.65	
32 31 13 13-0255	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....		42.72	3.15
		For 11 Gauge, Deduct		-6.65	
		For 10 Gauge, Deduct		-2.66	
		For 7 Gauge, Add		3.99	
		For 6 Gauge, Add		9.31	
		For 1/2" Mesh Fabric, Deduct		-1.66	
		For 5/8" Mesh Fabric, Deduct		-3.66	
		For 3/4" Mesh Fabric, Deduct		-5.32	
32 31 13 13-0256	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....		51.64	3.79
		For 11 Gauge, Deduct		-8.31	
		For 10 Gauge, Deduct		-3.32	
		For 7 Gauge, Add		4.98	
		For 6 Gauge, Add		11.63	
		For 1/2" Mesh Fabric, Deduct		-2.08	
		For 5/8" Mesh Fabric, Deduct		-4.57	
		For 3/4" Mesh Fabric, Deduct		-6.65	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0257 LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	60.66	4.42
For 11 Gauge, Deduct	-9.97	
For 10 Gauge, Deduct	-3.99	
For 7 Gauge, Add	5.98	
For 6 Gauge, Add	13.95	
For 1/2" Mesh Fabric, Deduct	-2.49	
For 5/8" Mesh Fabric, Deduct	-5.48	
For 3/4" Mesh Fabric, Deduct	-7.97	
32 31 13 13-0258 LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	69.80	5.05
For 11 Gauge, Deduct	-11.63	
For 10 Gauge, Deduct	-4.65	
For 7 Gauge, Add	6.98	
For 6 Gauge, Add	16.28	
For 1/2" Mesh Fabric, Deduct	-2.91	
For 5/8" Mesh Fabric, Deduct	-6.40	
For 3/4" Mesh Fabric, Deduct	-9.30	
32 31 13 13-0259 LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	79.08	6.32
For 11 Gauge, Deduct	-13.29	
For 10 Gauge, Deduct	-5.32	
For 7 Gauge, Add	7.97	
For 6 Gauge, Add	18.61	
For 1/2" Mesh Fabric, Deduct	-3.32	
For 5/8" Mesh Fabric, Deduct	-7.31	
For 3/4" Mesh Fabric, Deduct	-10.63	
32 31 13 13-0260 LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	87.23	6.63
For 11 Gauge, Deduct	-14.79	
For 10 Gauge, Deduct	-5.92	
For 7 Gauge, Add	8.88	
For 6 Gauge, Add	20.71	
For 1/2" Mesh Fabric, Deduct	-3.70	
For 5/8" Mesh Fabric, Deduct	-8.14	
For 3/4" Mesh Fabric, Deduct	-11.83	
32 31 13 13-0261 LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	95.42	6.95
For 11 Gauge, Deduct	-16.30	
For 10 Gauge, Deduct	-6.52	
For 7 Gauge, Add	9.78	
For 6 Gauge, Add	22.81	
For 1/2" Mesh Fabric, Deduct	-4.07	
For 5/8" Mesh Fabric, Deduct	-8.96	
For 3/4" Mesh Fabric, Deduct	-13.04	
32 31 13 13-0262 LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	103.49	7.58
For 11 Gauge, Deduct	-17.67	
For 10 Gauge, Deduct	-7.07	
For 7 Gauge, Add	10.60	
For 6 Gauge, Add	24.73	
For 1/2" Mesh Fabric, Deduct	-4.42	
For 5/8" Mesh Fabric, Deduct	-9.72	
For 3/4" Mesh Fabric, Deduct	-14.13	
32 31 13 13-0263 Gates <small>(32 31 13 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0264 Galvanized Steel Without Barbed Wire <small>(32 31 13 13-0263)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0265 4' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0266 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	362.89	24.37
For Gate With Single Barb Wire Arm, Add	31.54	
For Gate With Double Barb Wire Arm, Add	45.88	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.77	
For Aluminized Steel Gate And Post, Add	137.64	
For Powder Coated Gate And Post, Add	74.56	
For 1" Mesh Fabric, Add	124.74	
For 1-1/4" Mesh Fabric, Add	80.29	
For 1-3/4" Mesh Fabric, Add	49.89	
For 2-1/8" Mesh Fabric, Deduct	-24.95	
32 31 13 13-0267 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	458.47	25.38
For Gate With Single Barb Wire Arm, Add	42.06	
For Gate With Double Barb Wire Arm, Add	61.17	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.69	
For Aluminized Steel Gate And Post, Add	183.52	
For Powder Coated Gate And Post, Add	99.41	
For 1" Mesh Fabric, Add	166.31	
For 1-1/4" Mesh Fabric, Add	107.05	
For 1-3/4" Mesh Fabric, Add	66.53	
For 2-1/8" Mesh Fabric, Deduct	-33.26	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0268	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	542.82	27.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	50.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	73.86	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-86.55	
			<i>For Aluminized Steel Gate And Post, Add</i>	221.57	
			<i>For Powder Coated Gate And Post, Add</i>	120.02	
			<i>For 1" Mesh Fabric, Add</i>	200.80	
			<i>For 1-1/4" Mesh Fabric, Add</i>	129.25	
			<i>For 1-3/4" Mesh Fabric, Add</i>	80.32	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-40.16	
32 31 13	13-0269	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	638.34	32.48
			<i>For Gate With Single Barb Wire Arm, Add</i>	59.49	
			<i>For Gate With Double Barb Wire Arm, Add</i>	86.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-101.41	
			<i>For Aluminized Steel Gate And Post, Add</i>	259.61	
			<i>For Powder Coated Gate And Post, Add</i>	140.62	
			<i>For 1" Mesh Fabric, Add</i>	235.27	
			<i>For 1-1/4" Mesh Fabric, Add</i>	151.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	94.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-47.05	
32 31 13	13-0270	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	733.85	37.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.27	
			<i>For Aluminized Steel Gate And Post, Add</i>	297.66	
			<i>For Powder Coated Gate And Post, Add</i>	161.23	
			<i>For 1" Mesh Fabric, Add</i>	269.76	
			<i>For 1-1/4" Mesh Fabric, Add</i>	173.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	107.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-53.95	
32 31 13	13-0271	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	832.60	43.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	77.29	
			<i>For Gate With Double Barb Wire Arm, Add</i>	112.42	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-131.75	
			<i>For Aluminized Steel Gate And Post, Add</i>	337.27	
			<i>For Powder Coated Gate And Post, Add</i>	182.69	
			<i>For 1" Mesh Fabric, Add</i>	305.65	
			<i>For 1-1/4" Mesh Fabric, Add</i>	196.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	122.26	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-61.13	
32 31 13	13-0272	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	928.11	48.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	86.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	125.11	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-146.61	
			<i>For Aluminized Steel Gate And Post, Add</i>	375.32	
			<i>For Powder Coated Gate And Post, Add</i>	203.30	
			<i>For 1" Mesh Fabric, Add</i>	340.14	
			<i>For 1-1/4" Mesh Fabric, Add</i>	218.94	
			<i>For 1-3/4" Mesh Fabric, Add</i>	136.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.03	
32 31 13	13-0273	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,025.00	54.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	94.88	
			<i>For Gate With Double Barb Wire Arm, Add</i>	138.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-161.73	
			<i>For Aluminized Steel Gate And Post, Add</i>	414.04	
			<i>For Powder Coated Gate And Post, Add</i>	224.27	
			<i>For 1" Mesh Fabric, Add</i>	375.22	
			<i>For 1-1/4" Mesh Fabric, Add</i>	241.52	
			<i>For 1-3/4" Mesh Fabric, Add</i>	150.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-75.04	
32 31 13	13-0274	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,309.43	54.11
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.17	
			<i>For Gate With Double Barb Wire Arm, Add</i>	183.52	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.06	
			<i>For Aluminized Steel Gate And Post, Add</i>	550.56	
			<i>For Powder Coated Gate And Post, Add</i>	298.22	
			<i>For 1" Mesh Fabric, Add</i>	498.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	321.16	
			<i>For 1-3/4" Mesh Fabric, Add</i>	199.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-99.79	
32 31 13	13-0275	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,550.44	57.97
			<i>For Gate With Single Barb Wire Arm, Add</i>	151.40	
			<i>For Gate With Double Barb Wire Arm, Add</i>	220.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-258.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	660.67	
			<i>For Powder Coated Gate And Post, Add</i>	357.86	
			<i>For 1" Mesh Fabric, Add</i>	598.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	385.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	239.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-119.75	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0276 EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,793.23	62.44
For Gate With Single Barb Wire Arm, Add	176.64	
For Gate With Double Barb Wire Arm, Add	256.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-301.09	
For Aluminized Steel Gate And Post, Add	770.78	
For Powder Coated Gate And Post, Add	417.51	
For 1" Mesh Fabric, Add	698.52	
For 1-1/4" Mesh Fabric, Add	449.62	
For 1-3/4" Mesh Fabric, Add	279.41	
For 2-1/8" Mesh Fabric, Deduct	-139.70	
32 31 13 13-0277 EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,038.24	67.61
For Gate With Single Barb Wire Arm, Add	201.87	
For Gate With Double Barb Wire Arm, Add	293.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.10	
For Aluminized Steel Gate And Post, Add	880.90	
For Powder Coated Gate And Post, Add	477.15	
For 1" Mesh Fabric, Add	798.31	
For 1-1/4" Mesh Fabric, Add	513.86	
For 1-3/4" Mesh Fabric, Add	319.32	
For 2-1/8" Mesh Fabric, Deduct	-159.66	
32 31 13 13-0278 EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,320.52	85.18
For Gate With Single Barb Wire Arm, Add	227.11	
For Gate With Double Barb Wire Arm, Add	330.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-387.11	
For Aluminized Steel Gate And Post, Add	991.01	
For Powder Coated Gate And Post, Add	536.80	
For 1" Mesh Fabric, Add	898.10	
For 1-1/4" Mesh Fabric, Add	578.09	
For 1-3/4" Mesh Fabric, Add	359.24	
For 2-1/8" Mesh Fabric, Deduct	-179.62	
32 31 13 13-0279 EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,568.19	91.29
For Gate With Single Barb Wire Arm, Add	252.34	
For Gate With Double Barb Wire Arm, Add	367.04	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-430.13	
For Aluminized Steel Gate And Post, Add	1,101.12	
For Powder Coated Gate And Post, Add	596.44	
For 1" Mesh Fabric, Add	997.89	
For 1-1/4" Mesh Fabric, Add	642.32	
For 1-3/4" Mesh Fabric, Add	399.16	
For 2-1/8" Mesh Fabric, Deduct	-199.58	
32 31 13 13-0280 EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,813.09	98.36
For Gate With Single Barb Wire Arm, Add	276.96	
For Gate With Double Barb Wire Arm, Add	402.85	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-472.09	
For Aluminized Steel Gate And Post, Add	1,208.54	
For Powder Coated Gate And Post, Add	654.63	
For 1" Mesh Fabric, Add	1,095.24	
For 1-1/4" Mesh Fabric, Add	704.98	
For 1-3/4" Mesh Fabric, Add	438.10	
For 2-1/8" Mesh Fabric, Deduct	-219.05	
32 31 13 13-0281 EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,061.50	106.52
For Gate With Single Barb Wire Arm, Add	301.58	
For Gate With Double Barb Wire Arm, Add	438.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.05	
For Aluminized Steel Gate And Post, Add	1,315.97	
For Powder Coated Gate And Post, Add	712.82	
For 1" Mesh Fabric, Add	1,192.60	
For 1-1/4" Mesh Fabric, Add	767.65	
For 1-3/4" Mesh Fabric, Add	477.04	
For 2-1/8" Mesh Fabric, Deduct	-238.52	
32 31 13 13-0282 EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,314.39	116.24
For Gate With Single Barb Wire Arm, Add	326.20	
For Gate With Double Barb Wire Arm, Add	474.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-556.01	
For Aluminized Steel Gate And Post, Add	1,423.40	
For Powder Coated Gate And Post, Add	771.01	
For 1" Mesh Fabric, Add	1,289.95	
For 1-1/4" Mesh Fabric, Add	830.31	
For 1-3/4" Mesh Fabric, Add	515.98	
For 2-1/8" Mesh Fabric, Deduct	-257.99	
32 31 13 13-0283 EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,489.16	127.87
For Gate With Single Barb Wire Arm, Add	341.58	
For Gate With Double Barb Wire Arm, Add	496.85	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-582.24	
For Aluminized Steel Gate And Post, Add	1,490.54	
For Powder Coated Gate And Post, Add	807.38	
For 1" Mesh Fabric, Add	1,350.80	
For 1-1/4" Mesh Fabric, Add	869.48	
For 1-3/4" Mesh Fabric, Add	540.32	
For 2-1/8" Mesh Fabric, Deduct	-270.16	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13	13-0284	EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,867.53	142.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	378.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	550.56	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-645.19	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,651.68	
			<i>For Powder Coated Gate And Post, Add</i>	894.66	
			<i>For 1" Mesh Fabric, Add</i>	1,496.84	
			<i>For 1-1/4" Mesh Fabric, Add</i>	963.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	598.73	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-299.37	
	32 31 13	13-0285	5' Fence Height <small>(32 31 13 13-0264)</small>		
	32 31 13	13-0286	EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	435.58	27.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	38.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	56.70	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	170.09	
			<i>For Powder Coated Gate And Post, Add</i>	92.13	
			<i>For 1" Mesh Fabric, Add</i>	154.15	
			<i>For 1-1/4" Mesh Fabric, Add</i>	99.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	61.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-30.83	
	32 31 13	13-0287	EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	552.14	27.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	51.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	75.35	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.30	
			<i>For Aluminized Steel Gate And Post, Add</i>	226.04	
			<i>For Powder Coated Gate And Post, Add</i>	122.44	
			<i>For 1" Mesh Fabric, Add</i>	204.85	
			<i>For 1-1/4" Mesh Fabric, Add</i>	131.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	81.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-40.97	
	32 31 13	13-0288	EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	645.82	28.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	61.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	89.52	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-104.91	
			<i>For Aluminized Steel Gate And Post, Add</i>	268.56	
			<i>For Powder Coated Gate And Post, Add</i>	145.47	
			<i>For 1" Mesh Fabric, Add</i>	243.39	
			<i>For 1-1/4" Mesh Fabric, Add</i>	156.66	
			<i>For 1-3/4" Mesh Fabric, Add</i>	97.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-48.68	
	32 31 13	13-0289	EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	756.33	34.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	71.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	104.44	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-122.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	313.32	
			<i>For Powder Coated Gate And Post, Add</i>	169.72	
			<i>For 1" Mesh Fabric, Add</i>	283.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	182.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	113.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-56.79	
	32 31 13	13-0290	EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	857.50	40.20
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	117.87	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-138.13	
			<i>For Aluminized Steel Gate And Post, Add</i>	353.61	
			<i>For Powder Coated Gate And Post, Add</i>	191.54	
			<i>For 1" Mesh Fabric, Add</i>	320.46	
			<i>For 1-1/4" Mesh Fabric, Add</i>	206.27	
			<i>For 1-3/4" Mesh Fabric, Add</i>	128.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.09	
	32 31 13	13-0291	EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	969.03	46.30
			<i>For Gate With Single Barb Wire Arm, Add</i>	91.29	
			<i>For Gate With Double Barb Wire Arm, Add</i>	132.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-155.61	
			<i>For Aluminized Steel Gate And Post, Add</i>	398.37	
			<i>For Powder Coated Gate And Post, Add</i>	215.78	
			<i>For 1" Mesh Fabric, Add</i>	361.02	
			<i>For 1-1/4" Mesh Fabric, Add</i>	232.38	
			<i>For 1-3/4" Mesh Fabric, Add</i>	144.41	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-72.20	
	32 31 13	13-0292	EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,074.87	52.08
			<i>For Gate With Single Barb Wire Arm, Add</i>	101.04	
			<i>For Gate With Double Barb Wire Arm, Add</i>	146.96	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-172.22	
			<i>For Aluminized Steel Gate And Post, Add</i>	440.89	
			<i>For Powder Coated Gate And Post, Add</i>	238.82	
			<i>For 1" Mesh Fabric, Add</i>	399.56	
			<i>For 1-1/4" Mesh Fabric, Add</i>	257.19	
			<i>For 1-3/4" Mesh Fabric, Add</i>	159.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-79.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,180.72 110.78 161.14 -188.84 483.42 261.85 438.10 281.99 175.24 -87.62	57.77
32 31 13	13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,595.20 156.33 227.39 -266.47 682.16 369.50 618.20 397.92 247.28 -123.64	57.97
32 31 13	13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,893.94 187.72 273.04 -319.97 819.12 443.69 742.33 477.82 296.93 -148.47	62.44
32 31 13	13-0296	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,194.90 219.10 318.70 -373.47 956.09 517.88 866.46 557.72 346.58 -173.29	67.61
32 31 13	13-0297	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,533.13 250.49 364.35 -426.98 1,093.06 592.07 990.59 637.62 396.23 -198.12	85.18
32 31 13	13-0298	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,831.16 281.27 409.12 -479.43 1,227.35 664.81 1,112.28 715.95 444.91 -222.46	91.29
32 31 13	13-0299	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,143.21 313.27 455.67 -533.99 1,367.00 740.46 1,238.85 797.42 495.54 -247.77	98.36
32 31 13	13-0300	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,453.16 344.66 501.32 -587.49 1,503.97 814.65 1,362.97 877.32 545.19 -272.59	106.52

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13	13-0301	EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,762.00	116.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	375.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	546.08	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-639.94	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,638.25	
			<i>For Powder Coated Gate And Post, Add</i>	887.39	
			<i>For 1" Mesh Fabric, Add</i>	1,484.66	
			<i>For 1-1/4" Mesh Fabric, Add</i>	955.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	593.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-296.93	
	32 31 13	13-0302	EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,087.84	127.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	407.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	592.64	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-694.49	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,777.91	
			<i>For Powder Coated Gate And Post, Add</i>	963.03	
			<i>For 1" Mesh Fabric, Add</i>	1,611.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,037.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	644.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-322.25	
	32 31 13	13-0303	EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,412.33	142.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	438.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	637.73	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-747.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,913.18	
			<i>For Powder Coated Gate And Post, Add</i>	1,036.31	
			<i>For 1" Mesh Fabric, Add</i>	1,733.82	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,116.02	
			<i>For 1-3/4" Mesh Fabric, Add</i>	693.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-346.76	
	32 31 13	13-0304	EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,743.33	159.79
			<i>For Gate With Single Barb Wire Arm, Add</i>	468.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	682.16	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-799.40	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,046.47	
			<i>For Powder Coated Gate And Post, Add</i>	1,108.50	
			<i>For 1" Mesh Fabric, Add</i>	1,854.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,193.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	741.85	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-370.92	
	32 31 13	13-0305	6' Fence Height <small>(32 31 13 13-0264)</small>		
	32 31 13	13-0306	EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	467.02	28.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	182.40	
			<i>For Powder Coated Gate And Post, Add</i>	98.80	
			<i>For 1" Mesh Fabric, Add</i>	165.30	
			<i>For 1-1/4" Mesh Fabric, Add</i>	106.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	66.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.06	
	32 31 13	13-0307	EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	592.91	28.93
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	80.94	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-94.85	
			<i>For Aluminized Steel Gate And Post, Add</i>	242.83	
			<i>For Powder Coated Gate And Post, Add</i>	131.53	
			<i>For 1" Mesh Fabric, Add</i>	220.06	
			<i>For 1-1/4" Mesh Fabric, Add</i>	141.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	88.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-44.01	
	32 31 13	13-0308	EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	694.56	30.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	66.24	
			<i>For Gate With Double Barb Wire Arm, Add</i>	96.35	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-112.91	
			<i>For Aluminized Steel Gate And Post, Add</i>	289.04	
			<i>For Powder Coated Gate And Post, Add</i>	156.56	
			<i>For 1" Mesh Fabric, Add</i>	261.94	
			<i>For 1-1/4" Mesh Fabric, Add</i>	168.61	
			<i>For 1-3/4" Mesh Fabric, Add</i>	104.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.39	
	32 31 13	13-0309	EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	806.40	37.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	76.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	111.16	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-130.26	
			<i>For Aluminized Steel Gate And Post, Add</i>	333.47	
			<i>For Powder Coated Gate And Post, Add</i>	180.63	
			<i>For 1" Mesh Fabric, Add</i>	302.21	
			<i>For 1-1/4" Mesh Fabric, Add</i>	194.52	
			<i>For 1-3/4" Mesh Fabric, Add</i>	120.88	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-60.44	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0310 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	923.60	43.65
For Gate With Single Barb Wire Arm, Add	87.19	
For Gate With Double Barb Wire Arm, Add	126.82	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.62	
For Aluminized Steel Gate And Post, Add	380.47	
For Powder Coated Gate And Post, Add	206.09	
For 1" Mesh Fabric, Add	344.80	
For 1-1/4" Mesh Fabric, Add	221.94	
For 1-3/4" Mesh Fabric, Add	137.92	
For 2-1/8" Mesh Fabric, Deduct	-68.96	
32 31 13 13-0311 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,035.12	49.75
For Gate With Single Barb Wire Arm, Add	97.45	
For Gate With Double Barb Wire Arm, Add	141.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-166.10	
For Aluminized Steel Gate And Post, Add	425.23	
For Powder Coated Gate And Post, Add	230.33	
For 1" Mesh Fabric, Add	385.36	
For 1-1/4" Mesh Fabric, Add	248.05	
For 1-3/4" Mesh Fabric, Add	154.14	
For 2-1/8" Mesh Fabric, Deduct	-77.07	
32 31 13 13-0312 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,147.68	56.14
For Gate With Single Barb Wire Arm, Add	107.71	
For Gate With Double Barb Wire Arm, Add	156.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.59	
For Aluminized Steel Gate And Post, Add	469.99	
For Powder Coated Gate And Post, Add	254.58	
For 1" Mesh Fabric, Add	425.93	
For 1-1/4" Mesh Fabric, Add	274.16	
For 1-3/4" Mesh Fabric, Add	170.37	
For 2-1/8" Mesh Fabric, Deduct	-85.19	
32 31 13 13-0313 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,218.24	62.54
For Gate With Single Barb Wire Arm, Add	113.35	
For Gate With Double Barb Wire Arm, Add	164.87	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-193.21	
For Aluminized Steel Gate And Post, Add	494.61	
For Powder Coated Gate And Post, Add	267.91	
For 1" Mesh Fabric, Add	448.24	
For 1-1/4" Mesh Fabric, Add	288.52	
For 1-3/4" Mesh Fabric, Add	179.29	
For 2-1/8" Mesh Fabric, Deduct	-89.65	
32 31 13 13-0314 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,703.71	62.44
For Gate With Single Barb Wire Arm, Add	166.79	
For Gate With Double Barb Wire Arm, Add	242.60	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.30	
For Aluminized Steel Gate And Post, Add	727.81	
For Powder Coated Gate And Post, Add	394.23	
For 1" Mesh Fabric, Add	659.58	
For 1-1/4" Mesh Fabric, Add	424.56	
For 1-3/4" Mesh Fabric, Add	263.83	
For 2-1/8" Mesh Fabric, Deduct	-131.92	
32 31 13 13-0315 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,021.45	67.61
For Gate With Single Barb Wire Arm, Add	200.03	
For Gate With Double Barb Wire Arm, Add	290.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-340.95	
For Aluminized Steel Gate And Post, Add	872.84	
For Powder Coated Gate And Post, Add	472.79	
For 1" Mesh Fabric, Add	791.01	
For 1-1/4" Mesh Fabric, Add	509.15	
For 1-3/4" Mesh Fabric, Add	316.40	
For 2-1/8" Mesh Fabric, Deduct	-158.20	
32 31 13 13-0316 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,400.34	91.29
For Gate With Single Barb Wire Arm, Add	233.88	
For Gate With Double Barb Wire Arm, Add	340.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-398.65	
For Aluminized Steel Gate And Post, Add	1,020.55	
For Powder Coated Gate And Post, Add	552.80	
For 1" Mesh Fabric, Add	924.88	
For 1-1/4" Mesh Fabric, Add	595.32	
For 1-3/4" Mesh Fabric, Add	369.95	
For 2-1/8" Mesh Fabric, Deduct	-184.98	
32 31 13 13-0317 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,723.57	98.36
For Gate With Single Barb Wire Arm, Add	267.11	
For Gate With Double Barb Wire Arm, Add	388.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-455.30	
For Aluminized Steel Gate And Post, Add	1,165.57	
For Powder Coated Gate And Post, Add	631.35	
For 1" Mesh Fabric, Add	1,056.30	
For 1-1/4" Mesh Fabric, Add	679.92	
For 1-3/4" Mesh Fabric, Add	422.52	
For 2-1/8" Mesh Fabric, Deduct	-211.26	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0318	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,055.90	106.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	300.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	437.76	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-513.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,313.28	
			<i>For Powder Coated Gate And Post, Add</i>	711.36	
			<i>For 1" Mesh Fabric, Add</i>	1,190.16	
			<i>For 1-1/4" Mesh Fabric, Add</i>	766.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	476.07	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-238.03	
32 31 13	13-0319	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,392.73	116.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	334.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	487.00	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-570.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,461.00	
			<i>For Powder Coated Gate And Post, Add</i>	791.38	
			<i>For 1" Mesh Fabric, Add</i>	1,324.03	
			<i>For 1-1/4" Mesh Fabric, Add</i>	852.25	
			<i>For 1-3/4" Mesh Fabric, Add</i>	529.61	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-264.81	
32 31 13	13-0320	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,729.75	127.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	368.05	
			<i>For Gate With Double Barb Wire Arm, Add</i>	535.34	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-627.35	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,606.02	
			<i>For Powder Coated Gate And Post, Add</i>	869.93	
			<i>For 1" Mesh Fabric, Add</i>	1,455.46	
			<i>For 1-1/4" Mesh Fabric, Add</i>	936.85	
			<i>For 1-3/4" Mesh Fabric, Add</i>	582.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-291.09	
32 31 13	13-0321	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,077.35	142.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	401.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	584.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-684.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,752.39	
			<i>For Powder Coated Gate And Post, Add</i>	949.21	
			<i>For 1" Mesh Fabric, Add</i>	1,588.11	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,022.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	635.24	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-317.62	
32 31 13	13-0322	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,432.24	159.79
			<i>For Gate With Single Barb Wire Arm, Add</i>	434.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	632.38	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-741.07	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,897.15	
			<i>For Powder Coated Gate And Post, Add</i>	1,027.62	
			<i>For 1" Mesh Fabric, Add</i>	1,719.29	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,106.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	687.72	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-343.86	
32 31 13	13-0323	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,806.28	182.58
			<i>For Gate With Single Barb Wire Arm, Add</i>	468.37	
			<i>For Gate With Double Barb Wire Arm, Add</i>	681.26	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-798.35	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,043.79	
			<i>For Powder Coated Gate And Post, Add</i>	1,107.05	
			<i>For 1" Mesh Fabric, Add</i>	1,852.18	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,192.21	
			<i>For 1-3/4" Mesh Fabric, Add</i>	740.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-370.44	
32 31 13	13-0324	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,203.73	213.05
			<i>For Gate With Single Barb Wire Arm, Add</i>	502.03	
			<i>For Gate With Double Barb Wire Arm, Add</i>	730.23	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-855.74	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,190.69	
			<i>For Powder Coated Gate And Post, Add</i>	1,186.62	
			<i>For 1" Mesh Fabric, Add</i>	1,985.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,277.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	794.13	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-397.06	
32 31 13	13-0325		7' Fence Height (32 31 13 13-0264)		
32 31 13	13-0326	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	490.03	31.17
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	63.41	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-74.31	
			<i>For Aluminized Steel Gate And Post, Add</i>	190.23	
			<i>For Powder Coated Gate And Post, Add</i>	103.04	
			<i>For 1" Mesh Fabric, Add</i>	172.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	110.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	68.96	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-34.48	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0327 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	620.58	31.17
For Gate With Single Barb Wire Arm, Add	57.96	
For Gate With Double Barb Wire Arm, Add	84.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
For Aluminized Steel Gate And Post, Add	252.90	
For Powder Coated Gate And Post, Add	136.99	
For 1" Mesh Fabric, Add	229.19	
For 1-1/4" Mesh Fabric, Add	147.52	
For 1-3/4" Mesh Fabric, Add	91.68	
For 2-1/8" Mesh Fabric, Deduct	-45.84	
32 31 13 13-0328 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	731.10	32.79
For Gate With Single Barb Wire Arm, Add	69.59	
For Gate With Double Barb Wire Arm, Add	101.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.62	
For Aluminized Steel Gate And Post, Add	303.66	
For Powder Coated Gate And Post, Add	164.48	
For 1" Mesh Fabric, Add	275.19	
For 1-1/4" Mesh Fabric, Add	177.13	
For 1-3/4" Mesh Fabric, Add	110.08	
For 2-1/8" Mesh Fabric, Deduct	-55.04	
32 31 13 13-0329 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	896.02	39.89
For Gate With Single Barb Wire Arm, Add	85.39	
For Gate With Double Barb Wire Arm, Add	124.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-145.54	
For Aluminized Steel Gate And Post, Add	372.59	
For Powder Coated Gate And Post, Add	201.82	
For 1" Mesh Fabric, Add	337.66	
For 1-1/4" Mesh Fabric, Add	217.34	
For 1-3/4" Mesh Fabric, Add	135.06	
For 2-1/8" Mesh Fabric, Deduct	-67.53	
32 31 13 13-0330 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,059.98	46.70
For Gate With Single Barb Wire Arm, Add	101.19	
For Gate With Double Barb Wire Arm, Add	147.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-172.48	
For Aluminized Steel Gate And Post, Add	441.54	
For Powder Coated Gate And Post, Add	239.17	
For 1" Mesh Fabric, Add	400.15	
For 1-1/4" Mesh Fabric, Add	257.57	
For 1-3/4" Mesh Fabric, Add	160.06	
For 2-1/8" Mesh Fabric, Deduct	-80.03	
32 31 13 13-0331 EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,224.91	53.71
For Gate With Single Barb Wire Arm, Add	116.98	
For Gate With Double Barb Wire Arm, Add	170.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.40	
For Aluminized Steel Gate And Post, Add	510.48	
For Powder Coated Gate And Post, Add	276.51	
For 1" Mesh Fabric, Add	462.62	
For 1-1/4" Mesh Fabric, Add	297.78	
For 1-3/4" Mesh Fabric, Add	185.05	
For 2-1/8" Mesh Fabric, Deduct	-92.52	
32 31 13 13-0332 EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,388.87	60.51
For Gate With Single Barb Wire Arm, Add	132.79	
For Gate With Double Barb Wire Arm, Add	193.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.34	
For Aluminized Steel Gate And Post, Add	579.43	
For Powder Coated Gate And Post, Add	313.86	
For 1" Mesh Fabric, Add	525.11	
For 1-1/4" Mesh Fabric, Add	338.00	
For 1-3/4" Mesh Fabric, Add	210.04	
For 2-1/8" Mesh Fabric, Deduct	-105.02	
32 31 13 13-0333 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,527.92	67.61
For Gate With Single Barb Wire Arm, Add	145.74	
For Gate With Double Barb Wire Arm, Add	211.98	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.42	
For Aluminized Steel Gate And Post, Add	635.94	
For Powder Coated Gate And Post, Add	344.47	
For 1" Mesh Fabric, Add	576.32	
For 1-1/4" Mesh Fabric, Add	370.97	
For 1-3/4" Mesh Fabric, Add	230.53	
For 2-1/8" Mesh Fabric, Deduct	-115.26	
32 31 13 13-0334 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,942.11	67.61
For Gate With Single Barb Wire Arm, Add	191.30	
For Gate With Double Barb Wire Arm, Add	278.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-326.08	
For Aluminized Steel Gate And Post, Add	834.75	
For Powder Coated Gate And Post, Add	452.16	
For 1" Mesh Fabric, Add	756.50	
For 1-1/4" Mesh Fabric, Add	486.94	
For 1-3/4" Mesh Fabric, Add	302.60	
For 2-1/8" Mesh Fabric, Deduct	-151.30	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0335	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,207.90	91.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	212.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	309.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-362.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	928.18	
			<i>For Powder Coated Gate And Post, Add</i>	502.76	
			<i>For 1" Mesh Fabric, Add</i>	841.16	
			<i>For 1-1/4" Mesh Fabric, Add</i>	541.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	336.47	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-168.23	
32 31 13	13-0336	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,551.28	98.36
			<i>For Gate With Single Barb Wire Arm, Add</i>	248.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	360.96	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-423.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,082.88	
			<i>For Powder Coated Gate And Post, Add</i>	586.56	
			<i>For 1" Mesh Fabric, Add</i>	981.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	631.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	392.54	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-196.27	
32 31 13	13-0337	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,871.26	106.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	280.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	408.22	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-478.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,224.66	
			<i>For Powder Coated Gate And Post, Add</i>	663.36	
			<i>For 1" Mesh Fabric, Add</i>	1,109.85	
			<i>For 1-1/4" Mesh Fabric, Add</i>	714.38	
			<i>For 1-3/4" Mesh Fabric, Add</i>	443.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-221.97	
32 31 13	13-0338	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,224.87	116.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	316.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	460.14	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-539.23	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,380.43	
			<i>For Powder Coated Gate And Post, Add</i>	747.73	
			<i>For 1" Mesh Fabric, Add</i>	1,251.01	
			<i>For 1-1/4" Mesh Fabric, Add</i>	805.25	
			<i>For 1-3/4" Mesh Fabric, Add</i>	500.40	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-250.20	
32 31 13	13-0339	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,578.68	127.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	351.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	511.17	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-599.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,533.51	
			<i>For Powder Coated Gate And Post, Add</i>	830.65	
			<i>For 1" Mesh Fabric, Add</i>	1,389.74	
			<i>For 1-1/4" Mesh Fabric, Add</i>	894.55	
			<i>For 1-3/4" Mesh Fabric, Add</i>	555.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-277.95	
32 31 13	13-0340	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,940.27	142.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	386.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	562.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-658.83	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,686.60	
			<i>For Powder Coated Gate And Post, Add</i>	913.57	
			<i>For 1" Mesh Fabric, Add</i>	1,528.48	
			<i>For 1-1/4" Mesh Fabric, Add</i>	983.85	
			<i>For 1-3/4" Mesh Fabric, Add</i>	611.39	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-305.70	
32 31 13	13-0341	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,312.51	159.79
			<i>For Gate With Single Barb Wire Arm, Add</i>	421.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	613.23	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-718.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,839.68	
			<i>For Powder Coated Gate And Post, Add</i>	996.49	
			<i>For 1" Mesh Fabric, Add</i>	1,667.21	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,073.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	666.88	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-333.44	
32 31 13	13-0342	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,699.97	182.58
			<i>For Gate With Single Barb Wire Arm, Add</i>	456.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	664.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-778.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,992.76	
			<i>For Powder Coated Gate And Post, Add</i>	1,079.41	
			<i>For 1" Mesh Fabric, Add</i>	1,805.94	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,162.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	722.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-361.19	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0343 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,110.29	213.05
For Gate With Single Barb Wire Arm, Add	491.76	
For Gate With Double Barb Wire Arm, Add	715.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-838.22	
For Aluminized Steel Gate And Post, Add	2,145.84	
For Powder Coated Gate And Post, Add	1,162.33	
For 1" Mesh Fabric, Add	1,944.67	
For 1-1/4" Mesh Fabric, Add	1,251.74	
For 1-3/4" Mesh Fabric, Add	777.87	
For 2-1/8" Mesh Fabric, Deduct	-388.93	
32 31 13 13-0344 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,557.17	255.63
For Gate With Single Barb Wire Arm, Add	526.84	
For Gate With Double Barb Wire Arm, Add	766.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-898.02	
For Aluminized Steel Gate And Post, Add	2,298.92	
For Powder Coated Gate And Post, Add	1,245.25	
For 1" Mesh Fabric, Add	2,083.40	
For 1-1/4" Mesh Fabric, Add	1,341.04	
For 1-3/4" Mesh Fabric, Add	833.36	
For 2-1/8" Mesh Fabric, Deduct	-416.68	
32 31 13 13-0345 8' Fence Height (32 31 13 13-0264)		
32 31 13 13-0346 EA 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	574.84	33.81
For Gate With Single Barb Wire Arm, Add	52.07	
For Gate With Double Barb Wire Arm, Add	75.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.75	
For Aluminized Steel Gate And Post, Add	227.19	
For Powder Coated Gate And Post, Add	123.06	
For 1" Mesh Fabric, Add	205.89	
For 1-1/4" Mesh Fabric, Add	132.53	
For 1-3/4" Mesh Fabric, Add	82.36	
For 2-1/8" Mesh Fabric, Deduct	-41.18	
32 31 13 13-0347 EA 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	732.62	33.81
For Gate With Single Barb Wire Arm, Add	69.42	
For Gate With Double Barb Wire Arm, Add	100.98	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.33	
For Aluminized Steel Gate And Post, Add	302.93	
For Powder Coated Gate And Post, Add	164.09	
For 1" Mesh Fabric, Add	274.53	
For 1-1/4" Mesh Fabric, Add	176.71	
For 1-3/4" Mesh Fabric, Add	109.81	
For 2-1/8" Mesh Fabric, Deduct	-54.91	
32 31 13 13-0348 EA 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	855.44	37.66
For Gate With Single Barb Wire Arm, Add	81.65	
For Gate With Double Barb Wire Arm, Add	118.76	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.17	
For Aluminized Steel Gate And Post, Add	356.28	
For Powder Coated Gate And Post, Add	192.98	
For 1" Mesh Fabric, Add	322.87	
For 1-1/4" Mesh Fabric, Add	207.83	
For 1-3/4" Mesh Fabric, Add	129.15	
For 2-1/8" Mesh Fabric, Deduct	-64.57	
32 31 13 13-0349 EA 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	981.32	42.64
For Gate With Single Barb Wire Arm, Add	93.87	
For Gate With Double Barb Wire Arm, Add	136.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.01	
For Aluminized Steel Gate And Post, Add	409.63	
For Powder Coated Gate And Post, Add	221.88	
For 1" Mesh Fabric, Add	371.23	
For 1-1/4" Mesh Fabric, Add	238.95	
For 1-3/4" Mesh Fabric, Add	148.49	
For 2-1/8" Mesh Fabric, Deduct	-74.25	
32 31 13 13-0350 EA 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,118.86	51.37
For Gate With Single Barb Wire Arm, Add	106.10	
For Gate With Double Barb Wire Arm, Add	154.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.85	
For Aluminized Steel Gate And Post, Add	462.98	
For Powder Coated Gate And Post, Add	250.78	
For 1" Mesh Fabric, Add	419.58	
For 1-1/4" Mesh Fabric, Add	270.07	
For 1-3/4" Mesh Fabric, Add	167.83	
For 2-1/8" Mesh Fabric, Deduct	-83.92	
32 31 13 13-0351 EA 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,255.41	59.79
For Gate With Single Barb Wire Arm, Add	118.33	
For Gate With Double Barb Wire Arm, Add	172.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-201.70	
For Aluminized Steel Gate And Post, Add	516.34	
For Powder Coated Gate And Post, Add	279.68	
For 1" Mesh Fabric, Add	467.93	
For 1-1/4" Mesh Fabric, Add	301.20	
For 1-3/4" Mesh Fabric, Add	187.17	
For 2-1/8" Mesh Fabric, Deduct	-93.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,392.95	68.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	130.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	189.90	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-222.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	569.69	
			<i>For Powder Coated Gate And Post, Add</i>	308.58	
			<i>For 1" Mesh Fabric, Add</i>	516.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	332.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	206.51	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-103.26	
32 31 13	13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,530.50	77.47
			<i>For Gate With Single Barb Wire Arm, Add</i>	142.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	207.68	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-243.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	623.05	
			<i>For Powder Coated Gate And Post, Add</i>	337.49	
			<i>For 1" Mesh Fabric, Add</i>	564.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	363.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	225.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-112.93	
32 31 13	13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,221.25	91.29
			<i>For Gate With Single Barb Wire Arm, Add</i>	214.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	311.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-365.07	
			<i>For Aluminized Steel Gate And Post, Add</i>	934.59	
			<i>For Powder Coated Gate And Post, Add</i>	506.24	
			<i>For 1" Mesh Fabric, Add</i>	846.97	
			<i>For 1-1/4" Mesh Fabric, Add</i>	545.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	338.79	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-169.39	
32 31 13	13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,617.26	98.36
			<i>For Gate With Single Barb Wire Arm, Add</i>	255.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	371.52	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-435.37	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,114.55	
			<i>For Powder Coated Gate And Post, Add</i>	603.71	
			<i>For 1" Mesh Fabric, Add</i>	1,010.06	
			<i>For 1-1/4" Mesh Fabric, Add</i>	650.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	404.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-202.01	
32 31 13	13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,022.33	106.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	297.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	432.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-506.71	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,297.17	
			<i>For Powder Coated Gate And Post, Add</i>	702.63	
			<i>For 1" Mesh Fabric, Add</i>	1,175.56	
			<i>For 1-1/4" Mesh Fabric, Add</i>	756.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	470.22	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-235.11	
32 31 13	13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,443.08	116.24
			<i>For Gate With Single Barb Wire Arm, Add</i>	340.35	
			<i>For Gate With Double Barb Wire Arm, Add</i>	495.06	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-580.14	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,485.17	
			<i>For Powder Coated Gate And Post, Add</i>	804.47	
			<i>For 1" Mesh Fabric, Add</i>	1,345.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	866.35	
			<i>For 1-3/4" Mesh Fabric, Add</i>	538.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-269.19	
32 31 13	13-0358	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,869.63	127.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	383.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	557.72	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-653.58	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,673.16	
			<i>For Powder Coated Gate And Post, Add</i>	906.30	
			<i>For 1" Mesh Fabric, Add</i>	1,516.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	976.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	606.52	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-303.26	
32 31 13	13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,298.35	142.03
			<i>For Gate With Single Barb Wire Arm, Add</i>	425.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	619.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-725.97	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,858.47	
			<i>For Powder Coated Gate And Post, Add</i>	1,006.67	
			<i>For 1" Mesh Fabric, Add</i>	1,684.24	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,084.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	673.70	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-336.85	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0360 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,732.14	159.79
For Gate With Single Barb Wire Arm, Add	467.75	
For Gate With Double Barb Wire Arm, Add	680.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-797.30	
For Aluminized Steel Gate And Post, Add	2,041.10	
For Powder Coated Gate And Post, Add	1,105.60	
For 1" Mesh Fabric, Add	1,849.75	
For 1-1/4" Mesh Fabric, Add	1,190.64	
For 1-3/4" Mesh Fabric, Add	739.90	
For 2-1/8" Mesh Fabric, Deduct	-369.95	
32 31 13 13-0361 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,192.34	182.58
For Gate With Single Barb Wire Arm, Add	510.83	
For Gate With Double Barb Wire Arm, Add	743.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-870.74	
For Aluminized Steel Gate And Post, Add	2,229.10	
For Powder Coated Gate And Post, Add	1,207.43	
For 1" Mesh Fabric, Add	2,020.12	
For 1-1/4" Mesh Fabric, Add	1,300.31	
For 1-3/4" Mesh Fabric, Add	808.05	
For 2-1/8" Mesh Fabric, Deduct	-404.02	
32 31 13 13-0362 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,675.40	213.05
For Gate With Single Barb Wire Arm, Add	553.92	
For Gate With Double Barb Wire Arm, Add	805.70	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-944.18	
For Aluminized Steel Gate And Post, Add	2,417.09	
For Powder Coated Gate And Post, Add	1,309.26	
For 1" Mesh Fabric, Add	2,190.49	
For 1-1/4" Mesh Fabric, Add	1,409.97	
For 1-3/4" Mesh Fabric, Add	876.20	
For 2-1/8" Mesh Fabric, Deduct	-438.10	
32 31 13 13-0363 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,189.42	255.63
For Gate With Single Barb Wire Arm, Add	596.38	
For Gate With Double Barb Wire Arm, Add	867.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,016.56	
For Aluminized Steel Gate And Post, Add	2,602.40	
For Powder Coated Gate And Post, Add	1,409.63	
For 1" Mesh Fabric, Add	2,358.43	
For 1-1/4" Mesh Fabric, Add	1,518.07	
For 1-3/4" Mesh Fabric, Add	943.37	
For 2-1/8" Mesh Fabric, Deduct	-471.69	
32 31 13 13-0364 EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,767.41	319.57
For Gate With Single Barb Wire Arm, Add	638.85	
For Gate With Double Barb Wire Arm, Add	929.24	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,088.95	
For Aluminized Steel Gate And Post, Add	2,787.71	
For Powder Coated Gate And Post, Add	1,510.01	
For 1" Mesh Fabric, Add	2,526.36	
For 1-1/4" Mesh Fabric, Add	1,626.16	
For 1-3/4" Mesh Fabric, Add	1,010.55	
For 2-1/8" Mesh Fabric, Deduct	-505.27	
32 31 13 13-0365 10' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0366 EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	724.87	37.56
For Gate With Single Barb Wire Arm, Add	67.33	
For Gate With Double Barb Wire Arm, Add	97.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.76	
For Aluminized Steel Gate And Post, Add	293.79	
For Powder Coated Gate And Post, Add	159.14	
For 1" Mesh Fabric, Add	266.25	
For 1-1/4" Mesh Fabric, Add	171.38	
For 1-3/4" Mesh Fabric, Add	106.50	
For 2-1/8" Mesh Fabric, Deduct	-53.25	
32 31 13 13-0367 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	928.89	37.56
For Gate With Single Barb Wire Arm, Add	89.77	
For Gate With Double Barb Wire Arm, Add	130.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.02	
For Aluminized Steel Gate And Post, Add	391.72	
For Powder Coated Gate And Post, Add	212.18	
For 1" Mesh Fabric, Add	355.00	
For 1-1/4" Mesh Fabric, Add	228.51	
For 1-3/4" Mesh Fabric, Add	142.00	
For 2-1/8" Mesh Fabric, Deduct	-71.00	
32 31 13 13-0368 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,077.61	39.19
For Gate With Single Barb Wire Arm, Add	105.58	
For Gate With Double Barb Wire Arm, Add	153.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.97	
For Aluminized Steel Gate And Post, Add	460.72	
For Powder Coated Gate And Post, Add	249.56	
For 1" Mesh Fabric, Add	417.53	
For 1-1/4" Mesh Fabric, Add	268.76	
For 1-3/4" Mesh Fabric, Add	167.01	
For 2-1/8" Mesh Fabric, Deduct	-83.51	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0369	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,249.78	48.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	121.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	176.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-206.92	
			<i>For Aluminized Steel Gate And Post, Add</i>	529.72	
			<i>For Powder Coated Gate And Post, Add</i>	286.93	
			<i>For 1" Mesh Fabric, Add</i>	480.06	
			<i>For 1-1/4" Mesh Fabric, Add</i>	309.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	192.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-96.01	
32 31 13	13-0370	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,421.33	57.77
			<i>For Gate With Single Barb Wire Arm, Add</i>	137.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	199.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-233.87	
			<i>For Aluminized Steel Gate And Post, Add</i>	598.70	
			<i>For Powder Coated Gate And Post, Add</i>	324.30	
			<i>For 1" Mesh Fabric, Add</i>	542.57	
			<i>For 1-1/4" Mesh Fabric, Add</i>	349.24	
			<i>For 1-3/4" Mesh Fabric, Add</i>	217.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-108.51	
32 31 13	13-0371	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,593.06	67.31
			<i>For Gate With Single Barb Wire Arm, Add</i>	153.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	222.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-260.82	
			<i>For Aluminized Steel Gate And Post, Add</i>	667.70	
			<i>For Powder Coated Gate And Post, Add</i>	361.67	
			<i>For 1" Mesh Fabric, Add</i>	605.10	
			<i>For 1-1/4" Mesh Fabric, Add</i>	389.49	
			<i>For 1-3/4" Mesh Fabric, Add</i>	242.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-121.02	
32 31 13	13-0372	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,764.22	76.45
			<i>For Gate With Single Barb Wire Arm, Add</i>	168.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	245.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-287.77	
			<i>For Aluminized Steel Gate And Post, Add</i>	736.70	
			<i>For Powder Coated Gate And Post, Add</i>	399.05	
			<i>For 1" Mesh Fabric, Add</i>	667.63	
			<i>For 1-1/4" Mesh Fabric, Add</i>	429.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	267.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-133.53	
32 31 13	13-0373	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,936.41	85.88
			<i>For Gate With Single Barb Wire Arm, Add</i>	184.64	
			<i>For Gate With Double Barb Wire Arm, Add</i>	268.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-314.73	
			<i>For Aluminized Steel Gate And Post, Add</i>	805.70	
			<i>For Powder Coated Gate And Post, Add</i>	436.42	
			<i>For 1" Mesh Fabric, Add</i>	730.16	
			<i>For 1-1/4" Mesh Fabric, Add</i>	469.99	
			<i>For 1-3/4" Mesh Fabric, Add</i>	292.07	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-146.03	
32 31 13	13-0374	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,822.44	101.49
			<i>For Gate With Single Barb Wire Arm, Add</i>	276.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	402.84	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-472.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,208.53	
			<i>For Powder Coated Gate And Post, Add</i>	654.62	
			<i>For 1" Mesh Fabric, Add</i>	1,095.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	704.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	438.09	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-219.05	
32 31 13	13-0375	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,069.64	109.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	301.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	438.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-514.06	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,315.99	
			<i>For Powder Coated Gate And Post, Add</i>	712.83	
			<i>For 1" Mesh Fabric, Add</i>	1,192.62	
			<i>For 1-1/4" Mesh Fabric, Add</i>	767.66	
			<i>For 1-3/4" Mesh Fabric, Add</i>	477.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-238.52	
32 31 13	13-0376	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,499.90	118.40
			<i>For Gate With Single Barb Wire Arm, Add</i>	345.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	503.11	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-589.59	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,509.34	
			<i>For Powder Coated Gate And Post, Add</i>	817.56	
			<i>For 1" Mesh Fabric, Add</i>	1,367.84	
			<i>For 1-1/4" Mesh Fabric, Add</i>	880.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	547.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-273.57	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0377 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,979.67	129.08
For Gate With Single Barb Wire Arm, Add	395.13	
For Gate With Double Barb Wire Arm, Add	574.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-673.51	
For Aluminized Steel Gate And Post, Add	1,724.19	
For Powder Coated Gate And Post, Add	933.94	
For 1" Mesh Fabric, Add	1,562.55	
For 1-1/4" Mesh Fabric, Add	1,005.78	
For 1-3/4" Mesh Fabric, Add	625.02	
For 2-1/8" Mesh Fabric, Deduct	-312.51	
32 31 13 13-0378 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,466.21	142.03
For Gate With Single Barb Wire Arm, Add	444.36	
For Gate With Double Barb Wire Arm, Add	646.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-757.44	
For Aluminized Steel Gate And Post, Add	1,939.05	
For Powder Coated Gate And Post, Add	1,050.32	
For 1" Mesh Fabric, Add	1,757.26	
For 1-1/4" Mesh Fabric, Add	1,131.11	
For 1-3/4" Mesh Fabric, Add	702.90	
For 2-1/8" Mesh Fabric, Deduct	-351.45	
32 31 13 13-0379 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,963.77	157.75
For Gate With Single Barb Wire Arm, Add	493.91	
For Gate With Double Barb Wire Arm, Add	718.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-841.89	
For Aluminized Steel Gate And Post, Add	2,155.24	
For Powder Coated Gate And Post, Add	1,167.42	
For 1" Mesh Fabric, Add	1,953.18	
For 1-1/4" Mesh Fabric, Add	1,257.22	
For 1-3/4" Mesh Fabric, Add	781.27	
For 2-1/8" Mesh Fabric, Deduct	-390.64	
32 31 13 13-0380 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,473.65	177.54
For Gate With Single Barb Wire Arm, Add	543.45	
For Gate With Double Barb Wire Arm, Add	790.48	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-926.34	
For Aluminized Steel Gate And Post, Add	2,371.44	
For Powder Coated Gate And Post, Add	1,284.53	
For 1" Mesh Fabric, Add	2,149.11	
For 1-1/4" Mesh Fabric, Add	1,383.34	
For 1-3/4" Mesh Fabric, Add	859.65	
For 2-1/8" Mesh Fabric, Deduct	-429.82	
32 31 13 13-0381 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,997.03	202.74
For Gate With Single Barb Wire Arm, Add	592.69	
For Gate With Double Barb Wire Arm, Add	862.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.27	
For Aluminized Steel Gate And Post, Add	2,586.29	
For Powder Coated Gate And Post, Add	1,400.91	
For 1" Mesh Fabric, Add	2,343.82	
For 1-1/4" Mesh Fabric, Add	1,508.67	
For 1-3/4" Mesh Fabric, Add	937.53	
For 2-1/8" Mesh Fabric, Deduct	-468.76	
32 31 13 13-0382 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,546.58	236.69
For Gate With Single Barb Wire Arm, Add	641.93	
For Gate With Double Barb Wire Arm, Add	933.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,094.20	
For Aluminized Steel Gate And Post, Add	2,801.14	
For Powder Coated Gate And Post, Add	1,517.28	
For 1" Mesh Fabric, Add	2,538.53	
For 1-1/4" Mesh Fabric, Add	1,634.00	
For 1-3/4" Mesh Fabric, Add	1,015.41	
For 2-1/8" Mesh Fabric, Deduct	-507.71	
32 31 13 13-0383 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,135.61	283.82
For Gate With Single Barb Wire Arm, Add	691.17	
For Gate With Double Barb Wire Arm, Add	1,005.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,178.12	
For Aluminized Steel Gate And Post, Add	3,015.99	
For Powder Coated Gate And Post, Add	1,633.66	
For 1" Mesh Fabric, Add	2,733.24	
For 1-1/4" Mesh Fabric, Add	1,759.33	
For 1-3/4" Mesh Fabric, Add	1,093.30	
For 2-1/8" Mesh Fabric, Deduct	-546.65	
32 31 13 13-0384 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,802.83	355.08
For Gate With Single Barb Wire Arm, Add	741.02	
For Gate With Double Barb Wire Arm, Add	1,077.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,263.10	
For Aluminized Steel Gate And Post, Add	3,233.53	
For Powder Coated Gate And Post, Add	1,751.50	
For 1" Mesh Fabric, Add	2,930.39	
For 1-1/4" Mesh Fabric, Add	1,886.23	
For 1-3/4" Mesh Fabric, Add	1,172.15	
For 2-1/8" Mesh Fabric, Deduct	-586.08	

32 31 13 13-0385 12' Fence Height (32 31 13 13-0264)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0386	EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	908.79	41.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	86.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	125.35	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-146.90	
			<i>For Aluminized Steel Gate And Post, Add</i>	376.06	
			<i>For Powder Coated Gate And Post, Add</i>	203.70	
			<i>For 1" Mesh Fabric, Add</i>	340.80	
			<i>For 1-1/4" Mesh Fabric, Add</i>	219.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	136.32	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.16	
32 31	13	13-0387	EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,169.93	41.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	114.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	167.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-195.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	501.40	
			<i>For Powder Coated Gate And Post, Add</i>	271.59	
			<i>For 1" Mesh Fabric, Add</i>	454.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	292.49	
			<i>For 1-3/4" Mesh Fabric, Add</i>	181.76	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-90.88	
32 31	13	13-0388	EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,358.55	43.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	135.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	196.58	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-230.36	
			<i>For Aluminized Steel Gate And Post, Add</i>	589.73	
			<i>For Powder Coated Gate And Post, Add</i>	319.44	
			<i>For 1" Mesh Fabric, Add</i>	534.44	
			<i>For 1-1/4" Mesh Fabric, Add</i>	344.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	213.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-106.89	
32 31	13	13-0389	EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,574.00	53.71
			<i>For Gate With Single Barb Wire Arm, Add</i>	155.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	226.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-264.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	678.04	
			<i>For Powder Coated Gate And Post, Add</i>	367.27	
			<i>For 1" Mesh Fabric, Add</i>	614.47	
			<i>For 1-1/4" Mesh Fabric, Add</i>	395.52	
			<i>For 1-3/4" Mesh Fabric, Add</i>	245.79	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-122.89	
32 31	13	13-0390	EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	664.26	64.26
			<i>For Gate With Single Barb Wire Arm, Add</i>	51.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	75.42	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	226.25	
			<i>For Powder Coated Gate And Post, Add</i>	122.55	
			<i>For 1" Mesh Fabric, Add</i>	205.04	
			<i>For 1-1/4" Mesh Fabric, Add</i>	131.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	82.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-41.01	
32 31	13	13-0391	EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	749.04	74.41
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.82	
			<i>For Gate With Double Barb Wire Arm, Add</i>	84.11	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-98.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	252.33	
			<i>For Powder Coated Gate And Post, Add</i>	136.68	
			<i>For 1" Mesh Fabric, Add</i>	228.67	
			<i>For 1-1/4" Mesh Fabric, Add</i>	147.19	
			<i>For 1-3/4" Mesh Fabric, Add</i>	91.47	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-45.73	
32 31	13	13-0392	EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	834.82	84.88
			<i>For Gate With Single Barb Wire Arm, Add</i>	63.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	92.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-108.75	
			<i>For Aluminized Steel Gate And Post, Add</i>	278.40	
			<i>For Powder Coated Gate And Post, Add</i>	150.80	
			<i>For 1" Mesh Fabric, Add</i>	252.30	
			<i>For 1-1/4" Mesh Fabric, Add</i>	162.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	100.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-50.46	
32 31	13	13-0393	EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	920.62	95.33
			<i>For Gate With Single Barb Wire Arm, Add</i>	69.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	101.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-118.94	
			<i>For Aluminized Steel Gate And Post, Add</i>	304.47	
			<i>For Powder Coated Gate And Post, Add</i>	164.92	
			<i>For 1" Mesh Fabric, Add</i>	275.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	177.61	
			<i>For 1-3/4" Mesh Fabric, Add</i>	110.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-55.19	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0394 EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,222.30	112.77
For Gate With Single Barb Wire Arm, Add	97.22	
For Gate With Double Barb Wire Arm, Add	141.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.71	
For Aluminized Steel Gate And Post, Add	424.21	
For Powder Coated Gate And Post, Add	229.78	
For 1" Mesh Fabric, Add	384.44	
For 1-1/4" Mesh Fabric, Add	247.46	
For 1-3/4" Mesh Fabric, Add	153.78	
For 2-1/8" Mesh Fabric, Deduct	-76.89	
32 31 13 13-0395 EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,335.68	121.40
For Gate With Single Barb Wire Arm, Add	106.85	
For Gate With Double Barb Wire Arm, Add	155.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.12	
For Aluminized Steel Gate And Post, Add	466.24	
For Powder Coated Gate And Post, Add	252.55	
For 1" Mesh Fabric, Add	422.53	
For 1-1/4" Mesh Fabric, Add	271.97	
For 1-3/4" Mesh Fabric, Add	169.01	
For 2-1/8" Mesh Fabric, Deduct	-84.51	
32 31 13 13-0396 EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,508.32	131.48
For Gate With Single Barb Wire Arm, Add	122.47	
For Gate With Double Barb Wire Arm, Add	178.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.76	
For Aluminized Steel Gate And Post, Add	534.43	
For Powder Coated Gate And Post, Add	289.48	
For 1" Mesh Fabric, Add	484.32	
For 1-1/4" Mesh Fabric, Add	311.75	
For 1-3/4" Mesh Fabric, Add	193.73	
For 2-1/8" Mesh Fabric, Deduct	-96.86	
32 31 13 13-0397 EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,702.72	143.35
For Gate With Single Barb Wire Arm, Add	139.92	
For Gate With Double Barb Wire Arm, Add	203.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-238.50	
For Aluminized Steel Gate And Post, Add	610.55	
For Powder Coated Gate And Post, Add	330.71	
For 1" Mesh Fabric, Add	553.31	
For 1-1/4" Mesh Fabric, Add	356.15	
For 1-3/4" Mesh Fabric, Add	221.32	
For 2-1/8" Mesh Fabric, Deduct	-110.66	
32 31 13 13-0398 EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,319.06	157.87
For Gate With Single Barb Wire Arm, Add	532.99	
For Gate With Double Barb Wire Arm, Add	775.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-908.51	
For Aluminized Steel Gate And Post, Add	2,325.78	
For Powder Coated Gate And Post, Add	1,259.80	
For 1" Mesh Fabric, Add	2,107.74	
For 1-1/4" Mesh Fabric, Add	1,356.70	
For 1-3/4" Mesh Fabric, Add	843.09	
For 2-1/8" Mesh Fabric, Deduct	-421.55	
32 31 13 13-0399 EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,914.25	175.26
For Gate With Single Barb Wire Arm, Add	592.69	
For Gate With Double Barb Wire Arm, Add	862.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.27	
For Aluminized Steel Gate And Post, Add	2,586.29	
For Powder Coated Gate And Post, Add	1,400.91	
For 1" Mesh Fabric, Add	2,343.82	
For 1-1/4" Mesh Fabric, Add	1,508.67	
For 1-3/4" Mesh Fabric, Add	937.53	
For 2-1/8" Mesh Fabric, Deduct	-468.76	
32 31 13 13-0400 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,517.62	197.21
For Gate With Single Barb Wire Arm, Add	651.78	
For Gate With Double Barb Wire Arm, Add	948.04	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,110.98	
For Aluminized Steel Gate And Post, Add	2,844.11	
For Powder Coated Gate And Post, Add	1,540.56	
For 1" Mesh Fabric, Add	2,577.48	
For 1-1/4" Mesh Fabric, Add	1,659.06	
For 1-3/4" Mesh Fabric, Add	1,030.99	
For 2-1/8" Mesh Fabric, Deduct	-515.50	
32 31 13 13-0401 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,144.56	225.29
For Gate With Single Barb Wire Arm, Add	711.48	
For Gate With Double Barb Wire Arm, Add	1,034.87	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,212.74	
For Aluminized Steel Gate And Post, Add	3,104.62	
For Powder Coated Gate And Post, Add	1,681.67	
For 1" Mesh Fabric, Add	2,813.56	
For 1-1/4" Mesh Fabric, Add	1,811.03	
For 1-3/4" Mesh Fabric, Add	1,125.43	
For 2-1/8" Mesh Fabric, Deduct	-562.71	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0402	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,789.36	263.07
			<i>For Gate With Single Barb Wire Arm, Add</i>	769.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,119.92	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,312.41	
			<i>For Aluminized Steel Gate And Post, Add</i>	3,359.76	
			<i>For Powder Coated Gate And Post, Add</i>	1,819.87	
			<i>For 1" Mesh Fabric, Add</i>	3,044.78	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,959.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,217.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-608.96	
32 31 13	13-0403	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,483.63	315.38
			<i>For Gate With Single Barb Wire Arm, Add</i>	829.03	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,205.86	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,413.12	
			<i>For Aluminized Steel Gate And Post, Add</i>	3,617.58	
			<i>For Powder Coated Gate And Post, Add</i>	1,959.52	
			<i>For 1" Mesh Fabric, Add</i>	3,278.43	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,110.26	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,311.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-655.69	
32 31 13	13-0404	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,264.14	394.55
			<i>For Gate With Single Barb Wire Arm, Add</i>	888.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,292.70	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,514.88	
			<i>For Aluminized Steel Gate And Post, Add</i>	3,878.09	
			<i>For Powder Coated Gate And Post, Add</i>	2,100.63	
			<i>For 1" Mesh Fabric, Add</i>	3,514.52	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,262.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,405.81	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-702.90	
32 31 13	13-0405		Vinyl Coated Without Barb Wire Arm <small>(32 31 13 13-0263)</small>		
			Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13	13-0406		4' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13	13-0407	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	186.37	25.38
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-20.67	
			<i>For 1" Mesh Fabric, Add</i>	47.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	30.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	19.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-9.59	
			<i>For Gate With Single Barb Wire Arm, Add</i>	12.13	
			<i>For Gate With Double Barb Wire Arm, Add</i>	17.64	
32 31 13	13-0408	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	223.11	25.38
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-27.56	
			<i>For 1" Mesh Fabric, Add</i>	63.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	41.15	
			<i>For 1-3/4" Mesh Fabric, Add</i>	25.57	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-12.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	16.17	
			<i>For Gate With Double Barb Wire Arm, Add</i>	23.52	
32 31 13	13-0409	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	258.82	27.01
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-33.30	
			<i>For 1" Mesh Fabric, Add</i>	77.26	
			<i>For 1-1/4" Mesh Fabric, Add</i>	49.73	
			<i>For 1-3/4" Mesh Fabric, Add</i>	30.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-15.45	
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	28.42	
32 31 13	13-0410	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	305.67	32.48
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-39.04	
			<i>For 1" Mesh Fabric, Add</i>	90.57	
			<i>For 1-1/4" Mesh Fabric, Add</i>	58.30	
			<i>For 1-3/4" Mesh Fabric, Add</i>	36.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-18.11	
			<i>For Gate With Single Barb Wire Arm, Add</i>	22.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	33.31	
32 31 13	13-0411	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	352.53	37.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-44.78	
			<i>For 1" Mesh Fabric, Add</i>	103.89	
			<i>For 1-1/4" Mesh Fabric, Add</i>	66.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	41.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-20.78	
			<i>For Gate With Single Barb Wire Arm, Add</i>	26.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	38.21	
32 31 13	13-0412	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	399.41	43.25
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-50.52	
			<i>For 1" Mesh Fabric, Add</i>	117.22	
			<i>For 1-1/4" Mesh Fabric, Add</i>	75.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	46.89	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-23.44	
			<i>For Gate With Single Barb Wire Arm, Add</i>	29.64	
			<i>For Gate With Double Barb Wire Arm, Add</i>	43.11	



	Exterior Improvements	32
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0413 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	446.27	48.73
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.26	
For 1" Mesh Fabric, Add	130.53	
For 1-1/4" Mesh Fabric, Add	84.02	
For 1-3/4" Mesh Fabric, Add	52.21	
For 2-1/8" Mesh Fabric, Deduct	-26.11	
For Gate With Single Barb Wire Arm, Add	33.01	
For Gate With Double Barb Wire Arm, Add	48.01	
32 31 13 13-0414 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	493.12	54.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.00	
For 1" Mesh Fabric, Add	143.85	
For 1-1/4" Mesh Fabric, Add	92.59	
For 1-3/4" Mesh Fabric, Add	57.54	
For 2-1/8" Mesh Fabric, Deduct	-28.77	
For Gate With Single Barb Wire Arm, Add	36.38	
For Gate With Double Barb Wire Arm, Add	52.91	
32 31 13 13-0415 EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	603.35	54.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.67	
For 1" Mesh Fabric, Add	191.80	
For 1-1/4" Mesh Fabric, Add	123.46	
For 1-3/4" Mesh Fabric, Add	76.72	
For 2-1/8" Mesh Fabric, Deduct	-38.36	
For Gate With Single Barb Wire Arm, Add	48.50	
For Gate With Double Barb Wire Arm, Add	70.55	
32 31 13 13-0416 EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	703.14	57.97
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.21	
For 1" Mesh Fabric, Add	230.16	
For 1-1/4" Mesh Fabric, Add	148.15	
For 1-3/4" Mesh Fabric, Add	92.06	
For 2-1/8" Mesh Fabric, Deduct	-46.03	
For Gate With Single Barb Wire Arm, Add	58.20	
For Gate With Double Barb Wire Arm, Add	84.66	
32 31 13 13-0417 EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	804.72	62.44
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.74	
For 1" Mesh Fabric, Add	268.52	
For 1-1/4" Mesh Fabric, Add	172.84	
For 1-3/4" Mesh Fabric, Add	107.41	
For 2-1/8" Mesh Fabric, Deduct	-53.70	
For Gate With Single Barb Wire Arm, Add	67.90	
For Gate With Double Barb Wire Arm, Add	98.77	
32 31 13 13-0418 EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	908.51	67.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.28	
For 1" Mesh Fabric, Add	306.88	
For 1-1/4" Mesh Fabric, Add	197.53	
For 1-3/4" Mesh Fabric, Add	122.75	
For 2-1/8" Mesh Fabric, Deduct	-61.38	
For Gate With Single Barb Wire Arm, Add	77.60	
For Gate With Double Barb Wire Arm, Add	112.88	
32 31 13 13-0419 EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,049.57	85.18
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.81	
For 1" Mesh Fabric, Add	345.24	
For 1-1/4" Mesh Fabric, Add	222.22	
For 1-3/4" Mesh Fabric, Add	138.10	
For 2-1/8" Mesh Fabric, Deduct	-69.05	
For Gate With Single Barb Wire Arm, Add	87.30	
For Gate With Double Barb Wire Arm, Add	126.98	
32 31 13 13-0420 EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,156.03	91.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.35	
For 1" Mesh Fabric, Add	383.60	
For 1-1/4" Mesh Fabric, Add	246.92	
For 1-3/4" Mesh Fabric, Add	153.44	
For 2-1/8" Mesh Fabric, Deduct	-76.72	
For Gate With Single Barb Wire Arm, Add	97.00	
For Gate With Double Barb Wire Arm, Add	141.09	
32 31 13 13-0421 EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,265.31	98.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-181.88	
For 1" Mesh Fabric, Add	421.96	
For 1-1/4" Mesh Fabric, Add	271.61	
For 1-3/4" Mesh Fabric, Add	168.78	
For 2-1/8" Mesh Fabric, Deduct	-84.39	
For Gate With Single Barb Wire Arm, Add	106.70	
For Gate With Double Barb Wire Arm, Add	155.20	
32 31 13 13-0422 EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,378.09	106.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.41	
For 1" Mesh Fabric, Add	460.32	
For 1-1/4" Mesh Fabric, Add	296.30	
For 1-3/4" Mesh Fabric, Add	184.13	
For 2-1/8" Mesh Fabric, Deduct	-92.06	
For Gate With Single Barb Wire Arm, Add	116.40	
For Gate With Double Barb Wire Arm, Add	169.31	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0423	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,495.37	116.24
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-214.95	
			<i>For 1" Mesh Fabric, Add</i>	498.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	320.99	
			<i>For 1-3/4" Mesh Fabric, Add</i>	199.47	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-99.74	
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.10	
			<i>For Gate With Double Barb Wire Arm, Add</i>	183.42	
32 31 13	13-0424	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,618.44	127.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-231.48	
			<i>For 1" Mesh Fabric, Add</i>	537.04	
			<i>For 1-1/4" Mesh Fabric, Add</i>	345.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	214.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-107.41	
			<i>For Gate With Single Barb Wire Arm, Add</i>	135.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	197.53	
32 31 13	13-0425	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,749.29	142.03
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-248.02	
			<i>For 1" Mesh Fabric, Add</i>	575.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	370.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	230.16	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-115.08	
			<i>For Gate With Single Barb Wire Arm, Add</i>	145.50	
			<i>For Gate With Double Barb Wire Arm, Add</i>	211.64	
32 31 13	13-0426		5' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13	13-0427	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	217.81	27.01
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-25.61	
			<i>For 1" Mesh Fabric, Add</i>	59.42	
			<i>For 1-1/4" Mesh Fabric, Add</i>	38.25	
			<i>For 1-3/4" Mesh Fabric, Add</i>	23.77	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-11.88	
			<i>For Gate With Single Barb Wire Arm, Add</i>	15.02	
			<i>For Gate With Double Barb Wire Arm, Add</i>	21.85	
32 31 13	13-0428	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	263.34	27.01
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.15	
			<i>For 1" Mesh Fabric, Add</i>	79.22	
			<i>For 1-1/4" Mesh Fabric, Add</i>	50.99	
			<i>For 1-3/4" Mesh Fabric, Add</i>	31.69	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-15.84	
			<i>For Gate With Single Barb Wire Arm, Add</i>	20.03	
			<i>For Gate With Double Barb Wire Arm, Add</i>	29.14	
32 31 13	13-0429	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	302.57	28.73
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-40.55	
			<i>For 1" Mesh Fabric, Add</i>	94.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	60.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	37.63	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-18.82	
			<i>For Gate With Single Barb Wire Arm, Add</i>	23.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	34.60	
32 31 13	13-0430	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	353.97	34.52
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-46.95	
			<i>For 1" Mesh Fabric, Add</i>	108.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	70.12	
			<i>For 1-3/4" Mesh Fabric, Add</i>	43.57	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-21.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	27.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	40.07	
32 31 13	13-0431	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	405.38	40.20
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.36	
			<i>For 1" Mesh Fabric, Add</i>	123.79	
			<i>For 1-1/4" Mesh Fabric, Add</i>	79.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	49.52	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-24.76	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	45.53	
32 31 13	13-0432	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	457.79	46.30
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.76	
			<i>For 1" Mesh Fabric, Add</i>	138.64	
			<i>For 1-1/4" Mesh Fabric, Add</i>	89.24	
			<i>For 1-3/4" Mesh Fabric, Add</i>	55.46	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-27.73	
			<i>For Gate With Single Barb Wire Arm, Add</i>	35.06	
			<i>For Gate With Double Barb Wire Arm, Add</i>	50.99	
32 31 13	13-0433	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	509.20	52.08
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.16	
			<i>For 1" Mesh Fabric, Add</i>	153.49	
			<i>For 1-1/4" Mesh Fabric, Add</i>	98.80	
			<i>For 1-3/4" Mesh Fabric, Add</i>	61.40	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-30.70	
			<i>For Gate With Single Barb Wire Arm, Add</i>	38.81	
			<i>For Gate With Double Barb Wire Arm, Add</i>	56.46	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0434 EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	560.60	57.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.56	
For 1" Mesh Fabric, Add	168.35	
For 1-1/4" Mesh Fabric, Add	108.36	
For 1-3/4" Mesh Fabric, Add	67.34	
For 2-1/8" Mesh Fabric, Deduct	-33.67	
For Gate With Single Barb Wire Arm, Add	42.57	
For Gate With Double Barb Wire Arm, Add	61.92	
32 31 13 13-0435 EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	720.40	57.97
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.44	
For 1" Mesh Fabric, Add	237.67	
For 1-1/4" Mesh Fabric, Add	152.98	
For 1-3/4" Mesh Fabric, Add	95.07	
For 2-1/8" Mesh Fabric, Deduct	-47.53	
For Gate With Single Barb Wire Arm, Add	60.10	
For Gate With Double Barb Wire Arm, Add	87.42	
32 31 13 13-0436 EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	843.06	62.44
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.93	
For 1" Mesh Fabric, Add	285.20	
For 1-1/4" Mesh Fabric, Add	183.58	
For 1-3/4" Mesh Fabric, Add	114.08	
For 2-1/8" Mesh Fabric, Deduct	-57.04	
For Gate With Single Barb Wire Arm, Add	72.12	
For Gate With Double Barb Wire Arm, Add	104.90	
32 31 13 13-0437 EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	967.94	67.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.42	
For 1" Mesh Fabric, Add	332.73	
For 1-1/4" Mesh Fabric, Add	214.17	
For 1-3/4" Mesh Fabric, Add	133.09	
For 2-1/8" Mesh Fabric, Deduct	-66.55	
For Gate With Single Barb Wire Arm, Add	84.14	
For Gate With Double Barb Wire Arm, Add	122.38	
32 31 13 13-0438 EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,130.09	85.18
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.91	
For 1" Mesh Fabric, Add	380.26	
For 1-1/4" Mesh Fabric, Add	244.77	
For 1-3/4" Mesh Fabric, Add	152.11	
For 2-1/8" Mesh Fabric, Deduct	-76.05	
For Gate With Single Barb Wire Arm, Add	96.16	
For Gate With Double Barb Wire Arm, Add	139.87	
32 31 13 13-0439 EA 18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,257.63	91.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-184.40	
For 1" Mesh Fabric, Add	427.80	
For 1-1/4" Mesh Fabric, Add	275.36	
For 1-3/4" Mesh Fabric, Add	171.12	
For 2-1/8" Mesh Fabric, Deduct	-85.56	
For Gate With Single Barb Wire Arm, Add	108.18	
For Gate With Double Barb Wire Arm, Add	157.35	
32 31 13 13-0440 EA 20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,388.00	98.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-204.88	
For 1" Mesh Fabric, Add	475.33	
For 1-1/4" Mesh Fabric, Add	305.96	
For 1-3/4" Mesh Fabric, Add	190.13	
For 2-1/8" Mesh Fabric, Deduct	-95.07	
For Gate With Single Barb Wire Arm, Add	120.20	
For Gate With Double Barb Wire Arm, Add	174.83	
32 31 13 13-0441 EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,521.88	106.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.37	
For 1" Mesh Fabric, Add	522.87	
For 1-1/4" Mesh Fabric, Add	336.56	
For 1-3/4" Mesh Fabric, Add	209.15	
For 2-1/8" Mesh Fabric, Deduct	-104.57	
For Gate With Single Barb Wire Arm, Add	132.22	
For Gate With Double Barb Wire Arm, Add	192.32	
32 31 13 13-0442 EA 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,660.24	116.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-245.86	
For 1" Mesh Fabric, Add	570.40	
For 1-1/4" Mesh Fabric, Add	367.15	
For 1-3/4" Mesh Fabric, Add	228.16	
For 2-1/8" Mesh Fabric, Deduct	-114.08	
For Gate With Single Barb Wire Arm, Add	144.24	
For Gate With Double Barb Wire Arm, Add	209.80	
32 31 13 13-0443 EA 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,804.40	127.87
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.35	
For 1" Mesh Fabric, Add	617.93	
For 1-1/4" Mesh Fabric, Add	397.75	
For 1-3/4" Mesh Fabric, Add	247.17	
For 2-1/8" Mesh Fabric, Deduct	-123.59	
For Gate With Single Barb Wire Arm, Add	156.26	
For Gate With Double Barb Wire Arm, Add	227.28	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0444	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,956.33 -286.84 665.46 428.34 266.19 -133.09 168.28 244.77	142.03
32 31 13	13-0445	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,118.92 -307.33 713.00 458.94 285.20 -142.60 180.30 262.25	159.79
32 31 13 13-0446 6' Fence Height (32 31 13 13-0405)					
32 31 13	13-0447	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	232.99 -27.37 63.50 40.87 25.40 -12.70 16.06 23.36	28.93
32 31 13	13-0448	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	281.65 -36.49 84.66 54.50 33.87 -16.93 21.41 31.14	28.93
32 31 13	13-0449	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	323.51 -43.34 100.54 64.72 40.22 -20.11 25.42 36.98	30.76
32 31 13	13-0450	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	379.29 -50.18 116.41 74.93 46.57 -23.28 29.44 42.82	37.16
32 31 13	13-0451	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	435.08 -57.02 132.29 85.15 52.92 -26.46 33.45 48.66	43.65
32 31 13	13-0452	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	489.84 -63.86 148.17 95.37 59.27 -29.63 37.47 54.50	49.75
32 31 13	13-0453	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	545.64 -70.71 164.04 105.59 65.62 -32.81 41.48 60.34	56.14
32 31 13	13-0454	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	601.42 -77.55 179.92 115.81 71.97 -35.98 45.50 66.18	62.54



	Exterior Improvements	32
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0455 EA 10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	771.33	62.44
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.48	
For 1" Mesh Fabric, Add	254.00	
For 1-1/4" Mesh Fabric, Add	163.49	
For 1-3/4" Mesh Fabric, Add	101.60	
For 2-1/8" Mesh Fabric, Deduct	-50.80	
For Gate With Single Barb Wire Arm, Add	64.23	
For Gate With Double Barb Wire Arm, Add	93.42	
32 31 13 13-0456 EA 12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	903.72	67.61
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.38	
For 1" Mesh Fabric, Add	304.80	
For 1-1/4" Mesh Fabric, Add	196.19	
For 1-3/4" Mesh Fabric, Add	121.92	
For 2-1/8" Mesh Fabric, Deduct	-60.96	
For Gate With Single Barb Wire Arm, Add	77.07	
For Gate With Double Barb Wire Arm, Add	112.11	
32 31 13 13-0457 EA 14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,091.65	91.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.27	
For 1" Mesh Fabric, Add	355.60	
For 1-1/4" Mesh Fabric, Add	228.89	
For 1-3/4" Mesh Fabric, Add	142.24	
For 2-1/8" Mesh Fabric, Deduct	-71.12	
For Gate With Single Barb Wire Arm, Add	89.92	
For Gate With Double Barb Wire Arm, Add	130.79	
32 31 13 13-0458 EA 16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,229.53	98.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.17	
For 1" Mesh Fabric, Add	406.39	
For 1-1/4" Mesh Fabric, Add	261.59	
For 1-3/4" Mesh Fabric, Add	162.56	
For 2-1/8" Mesh Fabric, Deduct	-81.28	
For Gate With Single Barb Wire Arm, Add	102.77	
For Gate With Double Barb Wire Arm, Add	149.48	
32 31 13 13-0459 EA 18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,370.91	106.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.07	
For 1" Mesh Fabric, Add	457.19	
For 1-1/4" Mesh Fabric, Add	294.29	
For 1-3/4" Mesh Fabric, Add	182.88	
For 2-1/8" Mesh Fabric, Deduct	-91.44	
For Gate With Single Barb Wire Arm, Add	115.61	
For Gate With Double Barb Wire Arm, Add	168.16	
32 31 13 13-0460 EA 20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,538.36	116.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.01	
For 1" Mesh Fabric, Add	517.38	
For 1-1/4" Mesh Fabric, Add	333.03	
For 1-3/4" Mesh Fabric, Add	206.95	
For 2-1/8" Mesh Fabric, Deduct	-103.48	
For Gate With Single Barb Wire Arm, Add	130.83	
For Gate With Double Barb Wire Arm, Add	190.30	
32 31 13 13-0461 EA 22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,672.37	127.87
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-241.59	
For 1" Mesh Fabric, Add	560.50	
For 1-1/4" Mesh Fabric, Add	360.78	
For 1-3/4" Mesh Fabric, Add	224.20	
For 2-1/8" Mesh Fabric, Deduct	-112.10	
For Gate With Single Barb Wire Arm, Add	141.74	
For Gate With Double Barb Wire Arm, Add	206.16	
32 31 13 13-0462 EA 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,827.89	142.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.76	
For 1" Mesh Fabric, Add	609.59	
For 1-1/4" Mesh Fabric, Add	392.38	
For 1-3/4" Mesh Fabric, Add	243.84	
For 2-1/8" Mesh Fabric, Deduct	-121.92	
For Gate With Single Barb Wire Arm, Add	154.15	
For Gate With Double Barb Wire Arm, Add	224.22	
32 31 13 13-0463 EA 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,997.99	159.79
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.65	
For 1" Mesh Fabric, Add	660.39	
For 1-1/4" Mesh Fabric, Add	425.08	
For 1-3/4" Mesh Fabric, Add	264.16	
For 2-1/8" Mesh Fabric, Deduct	-132.08	
For Gate With Single Barb Wire Arm, Add	167.00	
For Gate With Double Barb Wire Arm, Add	242.90	
32 31 13 13-0464 EA 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,183.31	182.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.55	
For 1" Mesh Fabric, Add	711.19	
For 1-1/4" Mesh Fabric, Add	457.78	
For 1-3/4" Mesh Fabric, Add	284.48	
For 2-1/8" Mesh Fabric, Deduct	-142.24	
For Gate With Single Barb Wire Arm, Add	179.84	
For Gate With Double Barb Wire Arm, Add	261.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 13	13-0465	EA 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,391.49 -328.44 761.99 490.48 304.80 -152.40 192.69 280.27	213.05
	32 31 13	13-0466	7' Fence Height <small>(32 31 13 13-0405)</small>		
	32 31 13	13-0467	EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	247.03 -28.75 66.69 42.93 26.68 -13.34 16.87 24.53	31.17
	32 31 13	13-0468	EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	298.14 -38.33 88.93 57.24 35.57 -17.79 22.49 32.71	31.17
	32 31 13	13-0469	EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	341.26 -45.52 105.61 67.98 42.24 -21.12 26.71 38.84	32.79
	32 31 13	13-0470	EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	400.89 -52.71 122.28 78.71 48.91 -24.46 30.92 44.98	39.89
	32 31 13	13-0471	EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	459.54 -59.90 138.96 89.44 55.58 -27.79 35.14 51.11	46.70
	32 31 13	13-0472	EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	519.20 -67.08 155.63 100.18 62.25 -31.13 39.36 57.24	53.71
	32 31 13	13-0473	EA 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	577.82 -74.27 172.30 110.91 68.92 -34.46 43.57 63.38	60.51
	32 31 13	13-0474	EA 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	637.48 -81.46 188.98 121.64 75.59 -37.80 47.79 69.51	67.61
	32 31 13	13-0475	EA 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	816.36 -115.00 266.79 171.73 106.72 -53.36 67.47 98.13	67.61



	Exterior Improvements	32
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,010.15 -137.99 320.14 206.07 128.06 -64.03 80.96 117.75	91.29
32 31 13	13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,153.93 -161.00 373.51 240.42 149.40 -74.70 94.45 137.38	98.36
32 31 13	13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,301.17 -183.99 426.86 274.76 170.74 -85.37 107.94 157.00	106.52
32 31 13	13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,452.94 -206.99 480.22 309.11 192.09 -96.04 121.44 176.63	116.24
32 31 13	13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,610.47 -229.99 533.57 343.45 213.43 -106.71 134.93 196.26	127.87
32 31 13	13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,775.78 -252.98 586.92 377.79 234.77 -117.38 148.42 215.88	142.03
32 31 13	13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,951.77 -275.99 640.29 412.14 256.11 -128.06 161.91 235.51	159.79
32 31 13	13-0483	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,142.99 -298.99 693.65 446.49 277.46 -138.73 175.41 255.14	182.58
32 31 13	13-0484	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,357.04 -321.98 747.00 480.83 298.80 -149.40 188.90 274.76	213.05
32 31 13	13-0485	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,607.67 -344.99 800.37 515.18 320.15 -160.07 202.39 294.39	255.63

32 31 13 13-0486 8' Fence Height (32 31 13 13-0405)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0487	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	287.36	33.81
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.85	
			<i>For 1" Mesh Fabric, Add</i>	80.84	
			<i>For 1-1/4" Mesh Fabric, Add</i>	52.04	
			<i>For 1-3/4" Mesh Fabric, Add</i>	32.34	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-16.17	
			<i>For Gate With Single Barb Wire Arm, Add</i>	20.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	29.73	
32 31 13	13-0488	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	349.31	33.81
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-46.46	
			<i>For 1" Mesh Fabric, Add</i>	107.79	
			<i>For 1-1/4" Mesh Fabric, Add</i>	69.38	
			<i>For 1-3/4" Mesh Fabric, Add</i>	43.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-21.56	
			<i>For Gate With Single Barb Wire Arm, Add</i>	27.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	39.65	
32 31 13	13-0489	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	390.61	33.81
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.20	
			<i>For 1" Mesh Fabric, Add</i>	125.75	
			<i>For 1-1/4" Mesh Fabric, Add</i>	80.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	50.30	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-25.15	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.25	
32 31 13	13-0490	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	458.30	42.64
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-61.95	
			<i>For 1" Mesh Fabric, Add</i>	143.72	
			<i>For 1-1/4" Mesh Fabric, Add</i>	92.51	
			<i>For 1-3/4" Mesh Fabric, Add</i>	57.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-28.74	
			<i>For Gate With Single Barb Wire Arm, Add</i>	36.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	52.86	
32 31 13	13-0491	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	525.99	51.37
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-69.69	
			<i>For 1" Mesh Fabric, Add</i>	161.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	104.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	64.67	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-32.34	
			<i>For Gate With Single Barb Wire Arm, Add</i>	40.88	
			<i>For Gate With Double Barb Wire Arm, Add</i>	59.47	
32 31 13	13-0492	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	592.68	59.79
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-77.43	
			<i>For 1" Mesh Fabric, Add</i>	179.65	
			<i>For 1-1/4" Mesh Fabric, Add</i>	115.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	71.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-35.93	
			<i>For Gate With Single Barb Wire Arm, Add</i>	45.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	66.08	
32 31 13	13-0493	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	660.37	68.63
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-85.18	
			<i>For 1" Mesh Fabric, Add</i>	197.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	127.20	
			<i>For 1-3/4" Mesh Fabric, Add</i>	79.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-39.52	
			<i>For Gate With Single Barb Wire Arm, Add</i>	49.97	
			<i>For Gate With Double Barb Wire Arm, Add</i>	72.68	
32 31 13	13-0494	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	728.06	77.47
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-92.92	
			<i>For 1" Mesh Fabric, Add</i>	215.58	
			<i>For 1-1/4" Mesh Fabric, Add</i>	138.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	86.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-43.12	
			<i>For Gate With Single Barb Wire Arm, Add</i>	54.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	79.29	
32 31 13	13-0495	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,017.54	91.29
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-139.38	
			<i>For 1" Mesh Fabric, Add</i>	323.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	208.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	129.34	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.67	
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.77	
			<i>For Gate With Double Barb Wire Arm, Add</i>	118.94	
32 31 13	13-0496	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,187.32	98.36
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-167.26	
			<i>For 1" Mesh Fabric, Add</i>	388.03	
			<i>For 1-1/4" Mesh Fabric, Add</i>	249.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	155.21	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-77.61	
			<i>For Gate With Single Barb Wire Arm, Add</i>	98.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	142.72	



	Exterior Improvements	32
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0497	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,360.59 -195.13 452.70 291.40 181.08 -90.54 114.48 166.51	106.52
32 31 13	13-0498	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,538.35 -223.01 517.38 333.02 206.95 -103.48 130.83 190.30	116.24
32 31 13	13-0499	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,721.91 -250.88 582.05 374.65 232.82 -116.41 147.18 214.09	127.87
32 31 13	13-0500	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,913.24 -278.76 646.72 416.28 258.69 -129.34 163.54 237.87	142.03
32 31 13	13-0501	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,115.23 -306.63 711.39 457.91 284.56 -142.28 179.89 261.66	159.79
32 31 13	13-0502	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,332.44 -334.51 776.06 499.53 310.42 -155.21 196.25 285.45	182.58
32 31 13	13-0503	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,572.51 -362.39 840.73 541.16 336.29 -168.15 212.60 309.24	213.05
32 31 13	13-0504	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,849.14 -390.26 905.40 582.79 362.16 -181.08 228.95 333.02	255.63
32 31 13	13-0505	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,189.74 -418.14 970.08 624.42 388.03 -194.02 245.31 356.81	319.57
32 31 13	13-0506		10' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13	13-0507	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	328.38 -40.42 93.78 60.36 37.51 -18.76 23.71 34.49	37.56

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0508	EA 4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	400.24	37.56
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.90	
			<i>For 1" Mesh Fabric, Add</i>	125.04	
			<i>For 1-1/4" Mesh Fabric, Add</i>	80.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	50.01	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-25.01	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.62	
			<i>For Gate With Double Barb Wire Arm, Add</i>	45.99	
32 31	13	13-0509	EA 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm.....	453.12	39.19
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.88	
			<i>For 1" Mesh Fabric, Add</i>	145.88	
			<i>For 1-1/4" Mesh Fabric, Add</i>	93.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	58.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.18	
			<i>For Gate With Single Barb Wire Arm, Add</i>	36.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	53.66	
32 31	13	13-0510	EA 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	529.45	48.73
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.86	
			<i>For 1" Mesh Fabric, Add</i>	166.72	
			<i>For 1-1/4" Mesh Fabric, Add</i>	107.31	
			<i>For 1-3/4" Mesh Fabric, Add</i>	66.69	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.34	
			<i>For Gate With Single Barb Wire Arm, Add</i>	42.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	61.32	
32 31	13	13-0511	EA 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	604.76	57.77
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-80.84	
			<i>For 1" Mesh Fabric, Add</i>	187.55	
			<i>For 1-1/4" Mesh Fabric, Add</i>	120.72	
			<i>For 1-3/4" Mesh Fabric, Add</i>	75.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-37.51	
			<i>For Gate With Single Barb Wire Arm, Add</i>	47.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	68.99	
32 31	13	13-0512	EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	681.10	67.31
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-89.83	
			<i>For 1" Mesh Fabric, Add</i>	208.40	
			<i>For 1-1/4" Mesh Fabric, Add</i>	134.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	83.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-41.68	
			<i>For Gate With Single Barb Wire Arm, Add</i>	52.70	
			<i>For Gate With Double Barb Wire Arm, Add</i>	76.65	
32 31	13	13-0513	EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	756.42	76.45
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-98.81	
			<i>For 1" Mesh Fabric, Add</i>	229.24	
			<i>For 1-1/4" Mesh Fabric, Add</i>	147.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	91.70	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-45.85	
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.97	
			<i>For Gate With Double Barb Wire Arm, Add</i>	84.32	
32 31	13	13-0514	EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	832.77	85.88
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-107.79	
			<i>For 1" Mesh Fabric, Add</i>	250.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	160.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	100.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-50.02	
			<i>For Gate With Single Barb Wire Arm, Add</i>	63.24	
			<i>For Gate With Double Barb Wire Arm, Add</i>	91.98	
32 31	13	13-0515	EA 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,166.99	101.49
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-161.69	
			<i>For 1" Mesh Fabric, Add</i>	375.11	
			<i>For 1-1/4" Mesh Fabric, Add</i>	241.45	
			<i>For 1-3/4" Mesh Fabric, Add</i>	150.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-75.02	
			<i>For Gate With Single Barb Wire Arm, Add</i>	94.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	137.97	
32 31	13	13-0516	EA 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,362.79	109.16
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-194.03	
			<i>For 1" Mesh Fabric, Add</i>	450.14	
			<i>For 1-1/4" Mesh Fabric, Add</i>	289.74	
			<i>For 1-3/4" Mesh Fabric, Add</i>	180.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-90.03	
			<i>For Gate With Single Barb Wire Arm, Add</i>	113.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	165.57	
32 31	13	13-0517	EA 14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,562.70	118.40
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-226.36	
			<i>For 1" Mesh Fabric, Add</i>	525.16	
			<i>For 1-1/4" Mesh Fabric, Add</i>	338.03	
			<i>For 1-3/4" Mesh Fabric, Add</i>	210.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-105.03	
			<i>For Gate With Single Barb Wire Arm, Add</i>	132.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	193.16	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0518 EA 16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,767.32	129.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.70	
For 1" Mesh Fabric, Add	600.18	
For 1-1/4" Mesh Fabric, Add	386.32	
For 1-3/4" Mesh Fabric, Add	240.07	
For 2-1/8" Mesh Fabric, Deduct	-120.04	
For Gate With Single Barb Wire Arm, Add	151.77	
For Gate With Double Barb Wire Arm, Add	220.76	
32 31 13 13-0519 EA 18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,978.72	142.03
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-291.04	
For 1" Mesh Fabric, Add	675.20	
For 1-1/4" Mesh Fabric, Add	434.61	
For 1-3/4" Mesh Fabric, Add	270.08	
For 2-1/8" Mesh Fabric, Deduct	-135.04	
For Gate With Single Barb Wire Arm, Add	170.74	
For Gate With Double Barb Wire Arm, Add	248.35	
32 31 13 13-0520 EA 20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,198.34	157.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-323.37	
For 1" Mesh Fabric, Add	750.22	
For 1-1/4" Mesh Fabric, Add	482.90	
For 1-3/4" Mesh Fabric, Add	300.09	
For 2-1/8" Mesh Fabric, Deduct	-150.04	
For Gate With Single Barb Wire Arm, Add	189.71	
For Gate With Double Barb Wire Arm, Add	275.94	
32 31 13 13-0521 EA 22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,430.28	177.54
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-355.71	
For 1" Mesh Fabric, Add	825.25	
For 1-1/4" Mesh Fabric, Add	531.19	
For 1-3/4" Mesh Fabric, Add	330.10	
For 2-1/8" Mesh Fabric, Deduct	-165.05	
For Gate With Single Barb Wire Arm, Add	208.68	
For Gate With Double Barb Wire Arm, Add	303.54	
32 31 13 13-0522 EA 24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,678.52	202.74
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-388.05	
For 1" Mesh Fabric, Add	900.27	
For 1-1/4" Mesh Fabric, Add	579.49	
For 1-3/4" Mesh Fabric, Add	360.11	
For 2-1/8" Mesh Fabric, Deduct	-180.05	
For Gate With Single Barb Wire Arm, Add	227.65	
For Gate With Double Barb Wire Arm, Add	331.13	
32 31 13 13-0523 EA 26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,952.92	236.69
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-420.38	
For 1" Mesh Fabric, Add	975.29	
For 1-1/4" Mesh Fabric, Add	627.77	
For 1-3/4" Mesh Fabric, Add	390.12	
For 2-1/8" Mesh Fabric, Deduct	-195.06	
For Gate With Single Barb Wire Arm, Add	246.63	
For Gate With Double Barb Wire Arm, Add	358.73	
32 31 13 13-0524 EA 28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,266.81	283.82
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-452.72	
For 1" Mesh Fabric, Add	1,050.32	
For 1-1/4" Mesh Fabric, Add	676.07	
For 1-3/4" Mesh Fabric, Add	420.13	
For 2-1/8" Mesh Fabric, Deduct	-210.06	
For Gate With Single Barb Wire Arm, Add	265.60	
For Gate With Double Barb Wire Arm, Add	386.32	
32 31 13 13-0525 EA 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,653.29	355.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-485.06	
For 1" Mesh Fabric, Add	1,125.34	
For 1-1/4" Mesh Fabric, Add	724.35	
For 1-3/4" Mesh Fabric, Add	450.13	
For 2-1/8" Mesh Fabric, Deduct	-225.07	
For Gate With Single Barb Wire Arm, Add	284.57	
For Gate With Double Barb Wire Arm, Add	413.92	
32 31 13 13-0526 12' Fence Height <small>(32 31 13 13-0405)</small>	425.99	41.73
32 31 13 13-0527 EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	425.99	41.73
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.37	
For 1" Mesh Fabric, Add	130.78	
For 1-1/4" Mesh Fabric, Add	84.18	
For 1-3/4" Mesh Fabric, Add	52.31	
For 2-1/8" Mesh Fabric, Deduct	-26.16	
For Gate With Single Barb Wire Arm, Add	33.07	
For Gate With Double Barb Wire Arm, Add	48.10	
32 31 13 13-0528 EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	525.93	41.73
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.11	
For 1" Mesh Fabric, Add	174.26	
For 1-1/4" Mesh Fabric, Add	112.17	
For 1-3/4" Mesh Fabric, Add	69.70	
For 2-1/8" Mesh Fabric, Deduct	-34.85	
For Gate With Single Barb Wire Arm, Add	44.06	
For Gate With Double Barb Wire Arm, Add	64.09	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0529	EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	604.88	43.25
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-89.05	
			<i>For 1" Mesh Fabric, Add</i>	206.59	
			<i>For 1-1/4" Mesh Fabric, Add</i>	132.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	82.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-41.32	
			<i>For Gate With Single Barb Wire Arm, Add</i>	52.24	
			<i>For Gate With Double Barb Wire Arm, Add</i>	75.99	
32 31	13	13-0530	EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	698.29	53.71
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-100.66	
			<i>For 1" Mesh Fabric, Add</i>	233.54	
			<i>For 1-1/4" Mesh Fabric, Add</i>	150.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	93.42	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-46.71	
			<i>For Gate With Single Barb Wire Arm, Add</i>	59.06	
			<i>For Gate With Double Barb Wire Arm, Add</i>	85.90	
32 31	13	13-0531	EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	798.60	64.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-113.57	
			<i>For 1" Mesh Fabric, Add</i>	263.48	
			<i>For 1-1/4" Mesh Fabric, Add</i>	169.60	
			<i>For 1-3/4" Mesh Fabric, Add</i>	105.39	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.70	
			<i>For Gate With Single Barb Wire Arm, Add</i>	66.63	
			<i>For Gate With Double Barb Wire Arm, Add</i>	96.91	
32 31	13	13-0532	EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	897.89	74.41
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-126.47	
			<i>For 1" Mesh Fabric, Add</i>	293.42	
			<i>For 1-1/4" Mesh Fabric, Add</i>	188.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	117.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-58.68	
			<i>For Gate With Single Barb Wire Arm, Add</i>	74.20	
			<i>For Gate With Double Barb Wire Arm, Add</i>	107.92	
32 31	13	13-0533	EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	998.18	84.88
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-139.38	
			<i>For 1" Mesh Fabric, Add</i>	323.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	208.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	129.34	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.67	
			<i>For Gate With Single Barb Wire Arm, Add</i>	81.77	
			<i>For Gate With Double Barb Wire Arm, Add</i>	118.94	
32 31	13	13-0534	EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,091.61	95.33
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-151.00	
			<i>For 1" Mesh Fabric, Add</i>	350.31	
			<i>For 1-1/4" Mesh Fabric, Add</i>	225.49	
			<i>For 1-3/4" Mesh Fabric, Add</i>	140.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-70.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	88.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	128.85	
32 31	13	13-0535	EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,545.94	112.77
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-226.42	
			<i>For 1" Mesh Fabric, Add</i>	525.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	338.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	210.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-105.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	132.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	193.21	
32 31	13	13-0536	EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,852.73	121.40
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-279.07	
			<i>For 1" Mesh Fabric, Add</i>	647.45	
			<i>For 1-1/4" Mesh Fabric, Add</i>	416.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	258.98	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-129.49	
			<i>For Gate With Single Barb Wire Arm, Add</i>	163.72	
			<i>For Gate With Double Barb Wire Arm, Add</i>	238.14	
32 31	13	13-0537	EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,132.75	131.48
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-325.84	
			<i>For 1" Mesh Fabric, Add</i>	755.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	486.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	302.38	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-151.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	191.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	278.05	
32 31	13	13-0538	EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,416.35	143.35
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-372.30	
			<i>For 1" Mesh Fabric, Add</i>	863.74	
			<i>For 1-1/4" Mesh Fabric, Add</i>	555.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	345.50	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-172.75	
			<i>For Gate With Single Barb Wire Arm, Add</i>	218.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	317.70	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0539	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,704.01 -418.14 970.09 624.43 388.04 -194.02 245.31 356.81	157.87
32 31 13	13-0540	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,004.03 -464.60 1,077.88 693.81 431.15 -215.58 272.57 396.46	175.26
32 31 13	13-0541	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,318.06 -511.06 1,185.67 763.19 474.27 -237.13 299.82 436.11	197.21
32 31 13	13-0542	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,650.06 -557.52 1,293.46 832.57 517.38 -258.69 327.08 475.75	225.29
32 31 13	13-0543	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,019.36 -605.53 1,404.83 904.26 561.93 -280.97 355.25 516.72	263.07
32 31 13	13-0544	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,424.29 -651.99 1,512.62 973.64 605.05 -302.52 382.50 556.37	315.38
32 31 13	13-0545	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,909.87 -698.45 1,620.41 1,043.02 648.16 -324.08 409.76 596.01	394.55
32 31 13	13-0546		Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0263)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0642 for additional gate accessories, 32 31 13 13-0735 for gate replacement parts.		
32 31 13	13-0547		4' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13	13-0548	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,065.28 994.60 640.20 397.84 -198.92 251.51 685.93	389.39
32 31 13	13-0549	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,683.86 1,193.52 768.24 477.41 -238.70 301.81 823.12	470.13
32 31 13	13-0550	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,298.05 1,392.44 896.29 556.98 -278.49 352.11 960.31	548.46

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0551	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,919.06	630.40
			<i>For 1" Mesh Fabric, Add</i>	1,591.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,024.33	
			<i>For 1-3/4" Mesh Fabric, Add</i>	636.55	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-318.27	
			<i>For Gate With Barb Wire Arm, Add</i>	402.41	
			<i>For Vinyl Coated, Add</i>	1,097.49	
32 31 13	13-0552	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,533.99	709.20
			<i>For 1" Mesh Fabric, Add</i>	1,790.29	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,152.37	
			<i>For 1-3/4" Mesh Fabric, Add</i>	716.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-358.06	
			<i>For Gate With Barb Wire Arm, Add</i>	452.72	
			<i>For Vinyl Coated, Add</i>	1,234.68	
32 31 13	13-0553	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,134.37	780.71
			<i>For 1" Mesh Fabric, Add</i>	1,989.21	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,280.41	
			<i>For 1-3/4" Mesh Fabric, Add</i>	795.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-397.84	
			<i>For Gate With Barb Wire Arm, Add</i>	503.02	
			<i>For Vinyl Coated, Add</i>	1,371.87	
32 31 13	13-0554	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,327.46	940.13
			<i>For 1" Mesh Fabric, Add</i>	2,369.53	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,525.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	947.81	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-473.91	
			<i>For Gate With Barb Wire Arm, Add</i>	599.19	
			<i>For Vinyl Coated, Add</i>	1,634.16	
32 31 13	13-0555	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	10,408.45	1,774.58
			<i>For 1" Mesh Fabric, Add</i>	2,983.81	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,920.61	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,193.52	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-596.76	
			<i>For Gate With Barb Wire Arm, Add</i>	754.53	
			<i>For Vinyl Coated, Add</i>	2,057.80	
32 31 13	13-0556	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	13,877.94	2,366.10
			<i>For 1" Mesh Fabric, Add</i>	3,978.41	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,560.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,591.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-795.68	
			<i>For Gate With Barb Wire Arm, Add</i>	1,006.03	
			<i>For Vinyl Coated, Add</i>	2,743.73	
32 31 13	13-0557		5' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31 13	13-0558	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,201.27	423.82
			<i>For 1" Mesh Fabric, Add</i>	1,023.83	
			<i>For 1-1/4" Mesh Fabric, Add</i>	659.02	
			<i>For 1-3/4" Mesh Fabric, Add</i>	409.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-204.77	
			<i>For Gate With Barb Wire Arm, Add</i>	258.90	
			<i>For Vinyl Coated, Add</i>	706.09	
32 31 13	13-0559	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,840.34	508.04
			<i>For 1" Mesh Fabric, Add</i>	1,228.60	
			<i>For 1-1/4" Mesh Fabric, Add</i>	790.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	491.44	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-245.72	
			<i>For Gate With Barb Wire Arm, Add</i>	310.68	
			<i>For Vinyl Coated, Add</i>	847.31	
32 31 13	13-0560	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,480.18	592.60
			<i>For 1" Mesh Fabric, Add</i>	1,433.37	
			<i>For 1-1/4" Mesh Fabric, Add</i>	922.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	573.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-286.67	
			<i>For Gate With Barb Wire Arm, Add</i>	362.46	
			<i>For Vinyl Coated, Add</i>	988.53	
32 31 13	13-0561	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,120.54	677.42
			<i>For 1" Mesh Fabric, Add</i>	1,638.14	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,054.43	
			<i>For 1-3/4" Mesh Fabric, Add</i>	655.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-327.63	
			<i>For Gate With Barb Wire Arm, Add</i>	414.24	
			<i>For Vinyl Coated, Add</i>	1,129.75	
32 31 13	13-0562	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,760.34	761.87
			<i>For 1" Mesh Fabric, Add</i>	1,842.90	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,186.23	
			<i>For 1-3/4" Mesh Fabric, Add</i>	737.16	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-368.58	
			<i>For Gate With Barb Wire Arm, Add</i>	466.02	
			<i>For Vinyl Coated, Add</i>	1,270.97	



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		Site Improvements	32 30
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0563 EA 20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,400.44	846.56
For 1" Mesh Fabric, Add	2,047.67	
For 1-1/4" Mesh Fabric, Add	1,318.04	
For 1-3/4" Mesh Fabric, Add	819.07	
For 2-1/8" Mesh Fabric, Deduct	-409.53	
For Gate With Barb Wire Arm, Add	517.80	
For Vinyl Coated, Add	1,412.18	
32 31 13 13-0564 EA 24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	7,641.39	1,017.02
For 1" Mesh Fabric, Add	2,439.18	
For 1-1/4" Mesh Fabric, Add	1,570.04	
For 1-3/4" Mesh Fabric, Add	975.67	
For 2-1/8" Mesh Fabric, Deduct	-487.84	
For Gate With Barb Wire Arm, Add	616.80	
For Vinyl Coated, Add	1,682.19	
32 31 13 13-0565 EA 30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	9,601.11	1,270.14
For 1" Mesh Fabric, Add	3,071.50	
For 1-1/4" Mesh Fabric, Add	1,977.06	
For 1-3/4" Mesh Fabric, Add	1,228.60	
For 2-1/8" Mesh Fabric, Deduct	-614.30	
For Gate With Barb Wire Arm, Add	776.70	
For Vinyl Coated, Add	2,118.28	
32 31 13 13-0566 EA 40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	12,800.88	1,693.12
For 1" Mesh Fabric, Add	4,095.33	
For 1-1/4" Mesh Fabric, Add	2,636.08	
For 1-3/4" Mesh Fabric, Add	1,638.13	
For 2-1/8" Mesh Fabric, Deduct	-819.07	
For Gate With Barb Wire Arm, Add	1,035.60	
For Vinyl Coated, Add	2,824.37	
32 31 13 13-0567 6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0568 EA 10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,394.35	496.87
For 1" Mesh Fabric, Add	1,044.30	
For 1-1/4" Mesh Fabric, Add	672.19	
For 1-3/4" Mesh Fabric, Add	417.72	
For 2-1/8" Mesh Fabric, Deduct	-208.86	
For Gate With Barb Wire Arm, Add	264.07	
For Vinyl Coated, Add	720.20	
32 31 13 13-0569 EA 12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,069.72	594.40
For 1" Mesh Fabric, Add	1,253.16	
For 1-1/4" Mesh Fabric, Add	806.63	
For 1-3/4" Mesh Fabric, Add	501.26	
For 2-1/8" Mesh Fabric, Deduct	-250.63	
For Gate With Barb Wire Arm, Add	316.89	
For Vinyl Coated, Add	864.25	
32 31 13 13-0570 EA 14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,747.77	693.37
For 1" Mesh Fabric, Add	1,462.01	
For 1-1/4" Mesh Fabric, Add	941.07	
For 1-3/4" Mesh Fabric, Add	584.81	
For 2-1/8" Mesh Fabric, Deduct	-292.40	
For Gate With Barb Wire Arm, Add	369.70	
For Vinyl Coated, Add	1,008.29	
32 31 13 13-0571 EA 16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,426.29	792.58
For 1" Mesh Fabric, Add	1,670.87	
For 1-1/4" Mesh Fabric, Add	1,075.51	
For 1-3/4" Mesh Fabric, Add	668.35	
For 2-1/8" Mesh Fabric, Deduct	-334.17	
For Gate With Barb Wire Arm, Add	422.52	
For Vinyl Coated, Add	1,152.33	
32 31 13 13-0572 EA 18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,104.36	891.54
For 1" Mesh Fabric, Add	1,879.73	
For 1-1/4" Mesh Fabric, Add	1,209.94	
For 1-3/4" Mesh Fabric, Add	751.89	
For 2-1/8" Mesh Fabric, Deduct	-375.95	
For Gate With Barb Wire Arm, Add	475.33	
For Vinyl Coated, Add	1,296.37	
32 31 13 13-0573 EA 20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,789.10	993.87
For 1" Mesh Fabric, Add	2,088.59	
For 1-1/4" Mesh Fabric, Add	1,344.38	
For 1-3/4" Mesh Fabric, Add	835.44	
For 2-1/8" Mesh Fabric, Deduct	-417.72	
For Gate With Barb Wire Arm, Add	528.15	
For Vinyl Coated, Add	1,440.41	
32 31 13 13-0574 EA 24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,097.18	1,188.92
For 1" Mesh Fabric, Add	2,487.93	
For 1-1/4" Mesh Fabric, Add	1,601.42	
For 1-3/4" Mesh Fabric, Add	995.17	
For 2-1/8" Mesh Fabric, Deduct	-497.59	
For Gate With Barb Wire Arm, Add	629.13	
For Vinyl Coated, Add	1,715.81	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0575	EA 30' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	10,175.03 3,132.89 2,016.57 1,253.15 -626.58 792.22 2,160.61	1,486.55
32 31	13	13-0576	EA 40' Long x 6' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	13,565.08 4,177.18 2,688.76 1,670.87 -835.44 1,056.30 2,880.82	1,981.14
32 31	13	13-0577	7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		
32 31	13	13-0578	EA 10' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,603.20 1,085.22 698.53 434.09 -217.04 274.42 748.43	554.21
32 31	13	13-0579	EA 12' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,323.01 1,302.30 838.26 520.92 -260.46 329.32 898.14	664.58
32 31	13	13-0580	EA 14' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,044.54 1,519.30 977.94 607.72 -303.86 384.19 1,047.80	775.91
32 31	13	13-0581	EA 16' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,764.22 1,736.35 1,117.65 694.54 -347.27 439.08 1,197.49	886.27
32 31	13	13-0582	EA 18' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,484.91 1,953.39 1,257.36 781.36 -390.68 493.96 1,347.17	997.23
32 31	13	13-0583	EA 20' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,204.87 2,170.45 1,397.07 868.18 -434.09 548.85 1,496.86	1,107.71
32 31	13	13-0584	EA 24' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,601.90 2,585.42 1,664.18 1,034.17 -517.08 653.79 1,783.05	1,329.16
32 31	13	13-0585	EA 30' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	10,807.27 3,255.66 2,095.60 1,302.26 -651.13 823.27 2,245.28	1,661.45
32 31	13	13-0586	EA 40' Long x 7' High Chain Link Galvanized Steel Sliding Gate <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	14,409.70 4,340.88 2,794.13 1,736.35 -868.18 1,097.69 2,993.71	2,215.31
32 31	13	13-0587	8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)		



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0588	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,769.50 1,117.38 719.23 446.95 -223.48 282.56 770.61	600.40
32 31 13	13-0589	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,519.93 1,340.85 863.08 536.34 -268.17 339.07 924.73	718.80
32 31 13	13-0590	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,273.32 1,564.32 1,006.92 625.73 -312.86 395.58 1,078.84	838.64
32 31 13	13-0591	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,026.95 1,787.80 1,150.77 715.12 -357.56 452.09 1,232.96	958.48
32 31 13	13-0592	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,779.24 2,011.27 1,294.61 804.51 -402.25 508.60 1,387.08	1,077.84
32 31 13	13-0593	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,532.97 2,234.75 1,438.46 893.90 -446.95 565.11 1,541.21	1,197.80
32 31 13	13-0594	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	8,994.62 2,662.03 1,713.49 1,064.81 -532.41 673.16 1,835.88	1,437.48
32 31 13	13-0595	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	11,300.36 3,352.13 2,157.69 1,340.85 -670.43 847.66 2,311.81	1,797.13
32 31 13	13-0596	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	15,063.53 4,469.49 2,876.92 1,787.80 -893.90 1,130.22 3,082.41	2,394.41
32 31 13	13-0597		9' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13	13-0598	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,966.00 1,155.37 743.69 462.15 -231.07 292.16 796.81	654.98
32 31 13	13-0599	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,754.33 1,386.45 892.43 554.58 -277.29 350.60 956.17	783.58

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0600	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,546.42	913.98
			<i>For 1" Mesh Fabric, Add</i>	1,617.53	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,041.17	
			<i>For 1-3/4" Mesh Fabric, Add</i>	647.01	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-323.51	
			<i>For Gate With Barb Wire Arm, Add</i>	409.03	
			<i>For Vinyl Coated, Add</i>	1,115.54	
32 31 13	13-0601	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,339.56	1,044.97
			<i>For 1" Mesh Fabric, Add</i>	1,848.60	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,189.90	
			<i>For 1-3/4" Mesh Fabric, Add</i>	739.44	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-369.72	
			<i>For Gate With Barb Wire Arm, Add</i>	467.46	
			<i>For Vinyl Coated, Add</i>	1,274.90	
32 31 13	13-0602	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,131.88	1,175.49
			<i>For 1" Mesh Fabric, Add</i>	2,079.67	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,338.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	831.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-415.93	
			<i>For Gate With Barb Wire Arm, Add</i>	525.89	
			<i>For Vinyl Coated, Add</i>	1,434.26	
32 31 13	13-0603	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,924.17	1,306.01
			<i>For 1" Mesh Fabric, Add</i>	2,310.75	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,487.38	
			<i>For 1-3/4" Mesh Fabric, Add</i>	924.30	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-462.15	
			<i>For Gate With Barb Wire Arm, Add</i>	584.33	
			<i>For Vinyl Coated, Add</i>	1,593.62	
32 31 13	13-0604	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	9,461.89	1,567.04
			<i>For 1" Mesh Fabric, Add</i>	2,752.56	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,771.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,101.02	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-550.51	
			<i>For Gate With Barb Wire Arm, Add</i>	696.05	
			<i>For Vinyl Coated, Add</i>	1,898.32	
32 31 13	13-0605	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	11,885.17	1,958.59
			<i>For 1" Mesh Fabric, Add</i>	3,466.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,231.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,386.45	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-693.22	
			<i>For Gate With Barb Wire Arm, Add</i>	876.49	
			<i>For Vinyl Coated, Add</i>	2,390.43	
32 31 13	13-0606	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	15,851.18	2,613.57
			<i>For 1" Mesh Fabric, Add</i>	4,621.51	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,974.76	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,848.60	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-924.30	
			<i>For Gate With Barb Wire Arm, Add</i>	1,168.66	
			<i>For Vinyl Coated, Add</i>	3,187.25	
32 31 13	13-0607		10' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13	13-0608	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,211.23	720.49
			<i>For 1" Mesh Fabric, Add</i>	1,205.07	
			<i>For 1-1/4" Mesh Fabric, Add</i>	775.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	482.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-241.01	
			<i>For Gate With Barb Wire Arm, Add</i>	304.73	
			<i>For Vinyl Coated, Add</i>	831.08	
32 31 13	13-0609	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,053.49	864.55
			<i>For 1" Mesh Fabric, Add</i>	1,446.08	
			<i>For 1-1/4" Mesh Fabric, Add</i>	930.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	578.43	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-289.22	
			<i>For Gate With Barb Wire Arm, Add</i>	365.68	
			<i>For Vinyl Coated, Add</i>	997.30	
32 31 13	13-0610	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,896.23	1,008.86
			<i>For 1" Mesh Fabric, Add</i>	1,687.10	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,085.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	674.84	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-337.42	
			<i>For Gate With Barb Wire Arm, Add</i>	426.62	
			<i>For Vinyl Coated, Add</i>	1,163.52	
32 31 13	13-0611	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,738.28	1,152.94
			<i>For 1" Mesh Fabric, Add</i>	1,928.12	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,241.09	
			<i>For 1-3/4" Mesh Fabric, Add</i>	771.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-385.62	
			<i>For Gate With Barb Wire Arm, Add</i>	487.57	
			<i>For Vinyl Coated, Add</i>	1,329.74	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0612 EA 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	7,580.22	1,296.89
For 1" Mesh Fabric, Add	2,169.12	
For 1-1/4" Mesh Fabric, Add	1,396.21	
For 1-3/4" Mesh Fabric, Add	867.65	
For 2-1/8" Mesh Fabric, Deduct	-433.82	
For Gate With Barb Wire Arm, Add	548.51	
For Vinyl Coated, Add	1,495.94	
32 31 13 13-0613 EA 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	8,422.47	1,440.96
For 1" Mesh Fabric, Add	2,410.13	
For 1-1/4" Mesh Fabric, Add	1,551.35	
For 1-3/4" Mesh Fabric, Add	964.05	
For 2-1/8" Mesh Fabric, Deduct	-482.03	
For Gate With Barb Wire Arm, Add	609.46	
For Vinyl Coated, Add	1,662.16	
32 31 13 13-0614 EA 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	10,059.44	1,729.83
For 1" Mesh Fabric, Add	2,870.95	
For 1-1/4" Mesh Fabric, Add	1,847.97	
For 1-3/4" Mesh Fabric, Add	1,148.38	
For 2-1/8" Mesh Fabric, Deduct	-574.19	
For Gate With Barb Wire Arm, Add	725.99	
For Vinyl Coated, Add	1,979.96	
32 31 13 13-0615 EA 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	12,633.70	2,161.44
For 1" Mesh Fabric, Add	3,615.20	
For 1-1/4" Mesh Fabric, Add	2,327.03	
For 1-3/4" Mesh Fabric, Add	1,446.08	
For 2-1/8" Mesh Fabric, Deduct	-723.04	
For Gate With Barb Wire Arm, Add	914.19	
For Vinyl Coated, Add	2,493.24	
32 31 13 13-0616 EA 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	16,841.51	2,880.25
For 1" Mesh Fabric, Add	4,820.28	
For 1-1/4" Mesh Fabric, Add	3,102.71	
For 1-3/4" Mesh Fabric, Add	1,928.11	
For 2-1/8" Mesh Fabric, Deduct	-964.06	
For Gate With Barb Wire Arm, Add	1,218.92	
For Vinyl Coated, Add	3,324.33	
32 31 13 13-0617 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller ⁽³²⁾		
<small>31 13 13-0263</small>		
Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.		
32 31 13 13-0618 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	6,531.45	479.85
For 1" Mesh Fabric, Add	2,423.72	
For 1-1/4" Mesh Fabric, Add	1,560.10	
For 1-3/4" Mesh Fabric, Add	969.49	
For 2-1/8" Mesh Fabric, Deduct	-484.74	
For Gate With Single Barb Wire Arm, Add	612.89	
For Gate With Double Barb Wire Arm, Add	891.48	
For Aluminized Steel Gate And Post, Add	2,674.45	
For Powder Coated Gate And Post, Add	1,170.07	
For Vinyl Coated, Add	1,671.53	
32 31 13 13-0619 EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	7,150.66	599.80
For 1" Mesh Fabric, Add	2,588.71	
For 1-1/4" Mesh Fabric, Add	1,666.30	
For 1-3/4" Mesh Fabric, Add	1,035.48	
For 2-1/8" Mesh Fabric, Deduct	-517.74	
For Gate With Single Barb Wire Arm, Add	654.62	
For Gate With Double Barb Wire Arm, Add	952.17	
For Aluminized Steel Gate And Post, Add	2,856.51	
For Powder Coated Gate And Post, Add	1,249.72	
For Vinyl Coated, Add	1,785.32	
32 31 13 13-0620 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,775.09	719.76
For 1" Mesh Fabric, Add	2,755.97	
For 1-1/4" Mesh Fabric, Add	1,773.96	
For 1-3/4" Mesh Fabric, Add	1,102.39	
For 2-1/8" Mesh Fabric, Deduct	-551.19	
For Gate With Single Barb Wire Arm, Add	696.91	
For Gate With Double Barb Wire Arm, Add	1,013.69	
For Aluminized Steel Gate And Post, Add	3,041.07	
For Powder Coated Gate And Post, Add	1,330.47	
For Vinyl Coated, Add	1,900.67	
32 31 13 13-0621 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,099.66	959.88
For 1" Mesh Fabric, Add	3,123.43	
For 1-1/4" Mesh Fabric, Add	2,010.48	
For 1-3/4" Mesh Fabric, Add	1,249.37	
For 2-1/8" Mesh Fabric, Deduct	-624.69	
For Gate With Single Barb Wire Arm, Add	789.83	
For Gate With Double Barb Wire Arm, Add	1,148.85	
For Aluminized Steel Gate And Post, Add	3,446.54	
For Powder Coated Gate And Post, Add	1,507.86	
For Vinyl Coated, Add	2,154.09	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0622	EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	8,444.25	959.68
	For 1" Mesh Fabric, Add	2,838.32	
	For 1-1/4" Mesh Fabric, Add	1,826.97	
	For 1-3/4" Mesh Fabric, Add	1,135.33	
	For 2-1/8" Mesh Fabric, Deduct	-567.66	
	For Gate With Single Barb Wire Arm, Add	717.74	
	For Gate With Double Barb Wire Arm, Add	1,043.98	
	For Aluminized Steel Gate And Post, Add	3,131.94	
	For Powder Coated Gate And Post, Add	1,370.22	
	For Vinyl Coated, Add	1,957.46	
32 31 13 13-0623	EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,867.48	1,259.58
	For 1" Mesh Fabric, Add	3,196.51	
	For 1-1/4" Mesh Fabric, Add	2,057.53	
	For 1-3/4" Mesh Fabric, Add	1,278.61	
	For 2-1/8" Mesh Fabric, Deduct	-639.30	
	For Gate With Single Barb Wire Arm, Add	808.31	
	For Gate With Double Barb Wire Arm, Add	1,175.73	
	For Aluminized Steel Gate And Post, Add	3,527.19	
	For Powder Coated Gate And Post, Add	1,543.15	
	For Vinyl Coated, Add	2,204.49	
32 31 13 13-0624	EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	13,106.38	1,559.48
	For 1" Mesh Fabric, Add	4,344.52	
	For 1-1/4" Mesh Fabric, Add	2,796.47	
	For 1-3/4" Mesh Fabric, Add	1,737.81	
	For 2-1/8" Mesh Fabric, Deduct	-868.90	
	For Gate With Single Barb Wire Arm, Add	1,098.61	
	For Gate With Double Barb Wire Arm, Add	1,597.98	
	For Aluminized Steel Gate And Post, Add	4,793.95	
	For Powder Coated Gate And Post, Add	2,097.35	
	For Vinyl Coated, Add	2,996.22	
32 31 13 13-0625	EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	14,741.12	1,859.38
	For 1" Mesh Fabric, Add	4,794.72	
	For 1-1/4" Mesh Fabric, Add	3,086.26	
	For 1-3/4" Mesh Fabric, Add	1,917.89	
	For 2-1/8" Mesh Fabric, Deduct	-958.94	
	For Gate With Single Barb Wire Arm, Add	1,212.46	
	For Gate With Double Barb Wire Arm, Add	1,763.57	
	For Aluminized Steel Gate And Post, Add	5,290.72	
	For Powder Coated Gate And Post, Add	2,314.69	
	For Vinyl Coated, Add	3,306.70	
32 31 13 13-0626	EA 6' High x 36' Wide Galvanized Cantilever Sliding Gate.....	17,305.47	2,039.33
	For 1" Mesh Fabric, Add	5,753.66	
	For 1-1/4" Mesh Fabric, Add	3,703.51	
	For 1-3/4" Mesh Fabric, Add	2,301.46	
	For 2-1/8" Mesh Fabric, Deduct	-1,150.73	
	For Gate With Single Barb Wire Arm, Add	1,454.95	
	For Gate With Double Barb Wire Arm, Add	2,116.29	
	For Aluminized Steel Gate And Post, Add	6,348.87	
	For Powder Coated Gate And Post, Add	2,777.63	
	For Vinyl Coated, Add	3,968.04	
32 31 13 13-0627	EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	9,864.37	1,199.60
	For 1" Mesh Fabric, Add	3,247.34	
	For 1-1/4" Mesh Fabric, Add	2,090.24	
	For 1-3/4" Mesh Fabric, Add	1,298.94	
	For 2-1/8" Mesh Fabric, Deduct	-649.47	
	For Gate With Single Barb Wire Arm, Add	821.17	
	For Gate With Double Barb Wire Arm, Add	1,194.43	
	For Aluminized Steel Gate And Post, Add	3,583.28	
	For Powder Coated Gate And Post, Add	1,567.68	
	For Vinyl Coated, Add	2,239.55	
32 31 13 13-0628	EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	11,644.79	1,619.46
	For 1" Mesh Fabric, Add	3,656.55	
	For 1-1/4" Mesh Fabric, Add	2,353.64	
	For 1-3/4" Mesh Fabric, Add	1,462.62	
	For 2-1/8" Mesh Fabric, Deduct	-731.31	
	For Gate With Single Barb Wire Arm, Add	924.64	
	For Gate With Double Barb Wire Arm, Add	1,344.94	
	For Aluminized Steel Gate And Post, Add	4,034.81	
	For Powder Coated Gate And Post, Add	1,765.23	
	For Vinyl Coated, Add	2,521.76	
32 31 13 13-0629	EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	15,503.36	2,039.33
	For 1" Mesh Fabric, Add	4,969.74	
	For 1-1/4" Mesh Fabric, Add	3,198.92	
	For 1-3/4" Mesh Fabric, Add	1,987.90	
	For 2-1/8" Mesh Fabric, Deduct	-993.95	
	For Gate With Single Barb Wire Arm, Add	1,256.72	
	For Gate With Double Barb Wire Arm, Add	1,827.95	
	For Aluminized Steel Gate And Post, Add	5,483.86	
	For Powder Coated Gate And Post, Add	2,399.19	
	For Vinyl Coated, Add	3,427.41	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0630 EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	17,405.55 5,484.11 3,530.00 2,193.64 -1,096.82 1,386.79 2,017.14 6,051.43 2,647.50 3,782.14	2,399.21
32 31 13 13-0631 EA 8' High x 36' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	20,406.83 6,580.93 4,236.00 2,632.37 -1,316.19 1,664.14 2,420.57 7,261.71 3,177.00 4,538.57	2,639.13
32 31 13 13-0632 EA 10' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	11,277.35 3,653.26 2,351.52 1,461.30 -730.65 923.81 1,343.73 4,031.18 1,763.64 2,519.49	1,439.53
32 31 13 13-0633 EA 10' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	13,070.29 4,067.91 2,618.42 1,627.16 -813.58 1,028.67 1,496.24 4,488.72 1,963.82 2,805.45	1,859.38
32 31 13 13-0634 EA 10' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	17,171.37 5,590.96 3,598.78 2,236.39 -1,118.19 1,413.81 2,056.45 6,169.34 2,699.09 3,855.84	2,159.28
32 31 13 13-0635 EA 10' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	19,221.37 6,169.62 3,971.25 2,467.85 -1,233.92 1,560.13 2,269.28 6,807.85 2,978.44 4,254.91	2,519.17
32 31 13 13-0636 EA 10' High x 36' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	22,537.82 7,403.54 4,765.50 2,961.42 -1,480.71 1,872.16 2,723.14 8,169.43 3,574.12 5,105.89	2,759.09
32 31 13 13-0637 EA 12' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	13,316.89 4,383.91 2,821.83 1,753.57 -876.78 1,108.58 1,612.47 4,837.42 2,116.37 3,023.39	1,619.46

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0638	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate.....	15,426.56	2,039.33
			<i>For 1" Mesh Fabric, Add</i>	4,936.34	
			<i>For 1-1/4" Mesh Fabric, Add</i>	3,177.41	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,974.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-987.27	
			<i>For Gate With Single Barb Wire Arm, Add</i>	1,248.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,815.66	
			<i>For Aluminized Steel Gate And Post, Add</i>	5,446.99	
			<i>For Powder Coated Gate And Post, Add</i>	2,383.06	
			<i>For Vinyl Coated, Add</i>	3,404.37	
32 31 13	13-0639	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate.....	20,101.80	2,339.23
			<i>For 1" Mesh Fabric, Add</i>	6,709.15	
			<i>For 1-1/4" Mesh Fabric, Add</i>	4,318.54	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2,683.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1,341.83	
			<i>For Gate With Single Barb Wire Arm, Add</i>	1,696.57	
			<i>For Gate With Double Barb Wire Arm, Add</i>	2,467.73	
			<i>For Aluminized Steel Gate And Post, Add</i>	7,403.20	
			<i>For Powder Coated Gate And Post, Add</i>	3,238.90	
			<i>For Vinyl Coated, Add</i>	4,627.00	
32 31 13	13-0640	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate.....	22,297.90	2,639.13
			<i>For 1" Mesh Fabric, Add</i>	7,403.54	
			<i>For 1-1/4" Mesh Fabric, Add</i>	4,765.50	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2,961.42	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1,480.71	
			<i>For Gate With Single Barb Wire Arm, Add</i>	1,872.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	2,723.14	
			<i>For Aluminized Steel Gate And Post, Add</i>	8,169.43	
			<i>For Powder Coated Gate And Post, Add</i>	3,574.12	
			<i>For Vinyl Coated, Add</i>	5,105.89	
32 31 13	13-0641	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate.....	25,299.16	2,879.05
			<i>For 1" Mesh Fabric, Add</i>	8,500.36	
			<i>For 1-1/4" Mesh Fabric, Add</i>	5,471.50	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3,400.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1,700.07	
			<i>For Gate With Single Barb Wire Arm, Add</i>	2,149.52	
			<i>For Gate With Double Barb Wire Arm, Add</i>	3,126.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	9,379.71	
			<i>For Powder Coated Gate And Post, Add</i>	4,103.62	
			<i>For Vinyl Coated, Add</i>	5,862.32	
32 31 13	13-0642		Gate Accessories <small>(32 31 13 13-0263)</small>		
32 31 13	13-0643	EA	Gate Center Stop, Cast Steel, Ground.....	42.62	
32 31 13	13-0644	EA	Gate Latch, Malleable Galvanized Steel.....	56.49	
32 31 13	13-0645	EA	Gate Keeper, Full Length, Galvanized Steel.....	263.97	
32 31 13	13-0646	EA	Gate Keeper Hold-Open For Cantilever Gate.....	107.47	19.29
32 31 13	13-0647	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel.....	60.57	
32 31 13	13-0648	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	1,136.64	
32 31 13	13-0649	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	1,217.93	
32 31 13	13-0650	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	1,299.24	
32 31 13	13-0651	LF	Aluminum V-Groove Gate Track.....	63.00	10.94
32 31 13	13-0652	LF	Galvanized Steel V-Groove Gate Track.....	46.78	10.94
32 31 13	13-0653		Vertical-Pivot Lift Gate <small>(32 31 13 13-0263)</small>		
			Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13	13-0654	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	25,419.76	899.70
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
32 31 13	13-0655	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	25,779.64	1,079.65
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
32 31 13	13-0656	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	26,139.53	1,259.58
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	287.50	
32 31 13	13-0657	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	26,795.59	1,439.53
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	317.50	
32 31 13	13-0658	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	27,436.84	1,619.46
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	
			<i>For Wind Bracing, Add</i>	317.50	
32 31 13	13-0659	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	26,537.14	1,169.61
			<i>For Curb Notch, Add</i>	239.00	
			<i>For Prewired Loop Kit, Add</i>	245.00	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0660	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i>	26,897.02 239.00 245.00	1,349.55
32 31 13	13-0661	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	27,256.90 239.00 245.00 287.50	1,529.50
32 31 13	13-0662	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	27,779.68 239.00 245.00 317.50	1,709.43
32 31 13	13-0663	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate..... <i>For Curb Notch, Add</i> <i>For Prewired Loop Kit, Add</i> <i>For Wind Bracing, Add</i>	28,554.21 239.00 245.00 317.50	1,889.38
32 31 13	13-0664		Reinforced Gate <small>(32 31 13 13-0263)</small> Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.		
32 31 13	13-0665	LF	Reinforced Single Gate, 4' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	596.04 343.00 457.34 714.59	12.18
32 31 13	13-0666	LF	Reinforced Single Gate, 5' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	639.53 367.88 490.50 766.41	13.20
32 31 13	13-0667	LF	Reinforced Single Gate, 6' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	682.57 391.88 522.50 816.41	14.72
32 31 13	13-0668	LF	Reinforced Single Gate, 7' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	723.21 415.04 553.38 864.66	15.74
32 31 13	13-0669	LF	Reinforced Single Gate, 8' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	765.17 437.78 583.70 912.04	17.76
32 31 13	13-0670	LF	Reinforced Double Gate, 4' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	407.28 229.75 306.33 478.64	12.18
32 31 13	13-0671	LF	Reinforced Double Gate, 5' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	457.21 258.49 344.65 538.51	13.20
32 31 13	13-0672	LF	Reinforced Double Gate, 6' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	506.43 286.19 381.59 596.24	14.72
32 31 13	13-0673	LF	Reinforced Double Gate, 7' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	650.21 371.24 494.99 773.43	15.74
32 31 13	13-0674	LF	Reinforced Double Gate, 8' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	792.61 454.24 605.66 946.34	17.76
32 31 13	13-0675		Accessories <small>(32 31 13 13)</small>		
32 31 13	13-0676		Barbed And Concertina Wire <small>(32 31 13 13-0675)</small>		
32 31 13	13-0677		Single Strand Barbed Wire <small>(32 31 13 13-0676)</small>		
32 31 13	13-0678	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand..... Note: Includes clips. 4 points 12-1/2 Gauge, Class 1. <i>For >500 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i>	1.11 -0.05 -0.08	0.51
32 31 13	13-0679	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand..... <i>For >500 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i>	1.14 -0.05 -0.08	0.51
32 31 13	13-0680	LF	Vinyl Coated Barbed Wire (Fused), Per Strand..... Note: Includes clips. <i>For >500 To 2,000, Deduct</i> <i>For >2,000 To 5,000, Deduct</i>	1.21 -0.05 -0.08	0.51
32 31 13	13-0681	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm.....	13.68	8.12
32 31 13	13-0682	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm.....	22.10	9.74
32 31 13	13-0683	EA	Barbed Wire Eye Tops (For Single Strand).....	12.40	8.12
32 31 13	13-0684		Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0676)</small>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0685	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.44	0.71
			<i>For >500 To 1,500, Deduct</i>	-0.46	
			<i>For >1,500 To 5,000, Deduct</i>	-0.92	
			<i>For >5,000, Deduct</i>	-1.29	
			<i>For Ground Installation, Deduct</i>	-0.51	
			<i>For Double Coil (Helix), Add</i>	4.43	
32 31 13	13-0686	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.21	0.71
			<i>For >500 To 1,500, Deduct</i>	-0.69	
			<i>For >1,500 To 5,000, Deduct</i>	-1.38	
			<i>For >5,000, Deduct</i>	-1.95	
			<i>For Ground Installation, Deduct</i>	-0.76	
			<i>For Double Coil (Helix), Add</i>	6.69	
32 31 13	13-0687	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.88	0.71
			<i>For >500 To 1,500, Deduct</i>	-0.92	
			<i>For >1,500 To 5,000, Deduct</i>	-1.84	
			<i>For >5,000, Deduct</i>	-2.58	
			<i>For Ground Installation, Deduct</i>	-1.02	
			<i>For Double Coil (Helix), Add</i>	8.85	
32 31 13	13-0688	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.52	0.71
			<i>For >500 To 1,500, Deduct</i>	-0.77	
			<i>For >1,500 To 5,000, Deduct</i>	-1.54	
			<i>For >5,000, Deduct</i>	-2.13	
			<i>For Ground Installation, Deduct</i>	-0.56	
			<i>For Double Coil (Helix), Add</i>	8.40	
32 31 13	13-0689	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.39	0.71
			<i>For >500 To 1,500, Deduct</i>	-1.16	
			<i>For >1,500 To 5,000, Deduct</i>	-2.33	
			<i>For >5,000, Deduct</i>	-3.22	
			<i>For Ground Installation, Deduct</i>	-0.85	
			<i>For Double Coil (Helix), Add</i>	12.70	
32 31 13	13-0690	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.01	0.71
			<i>For >500 To 1,500, Deduct</i>	-1.54	
			<i>For >1,500 To 5,000, Deduct</i>	-3.08	
			<i>For >5,000, Deduct</i>	-4.25	
			<i>For Ground Installation, Deduct</i>	-1.12	
			<i>For Double Coil (Helix), Add</i>	16.77	
32 31 13	13-0691	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	31.04	0.71
			<i>For >500 To 1,500, Deduct</i>	-2.39	
			<i>For >1,500 To 5,000, Deduct</i>	-4.78	
			<i>For >5,000, Deduct</i>	-6.46	
			<i>For Ground Installation, Deduct</i>	-0.63	
			<i>For Double Coil (Helix), Add</i>	29.78	
32 31 13	13-0692	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	46.99	0.71
			<i>For >500 To 1,500, Deduct</i>	-3.62	
			<i>For >1,500 To 5,000, Deduct</i>	-7.24	
			<i>For >5,000, Deduct</i>	-9.78	
			<i>For Ground Installation, Deduct</i>	-0.95	
			<i>For Double Coil (Helix), Add</i>	45.09	
32 31 13	13-0693	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	62.09	0.71
			<i>For >500 To 1,500, Deduct</i>	-4.78	
			<i>For >1,500 To 5,000, Deduct</i>	-9.57	
			<i>For >5,000, Deduct</i>	-12.93	
			<i>For Ground Installation, Deduct</i>	-1.27	
			<i>For Double Coil (Helix), Add</i>	59.55	
32 31 13	13-0694		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0676)</small>		
32 31 13	13-0695	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.33	0.71
			<i>For >500 To 1,500, Deduct</i>	-0.83	
			<i>For >1,500 To 5,000, Deduct</i>	-1.65	
			<i>For >5,000, Deduct</i>	-2.27	
			<i>For Ground Installation, Deduct</i>	-0.51	
			<i>For Double Coil (Helix), Add</i>	9.32	
32 31 13	13-0696	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.62	0.71
			<i>For >500 To 1,500, Deduct</i>	-1.25	
			<i>For >1,500 To 5,000, Deduct</i>	-2.50	
			<i>For >5,000, Deduct</i>	-3.43	
			<i>For Ground Installation, Deduct</i>	-0.76	
			<i>For Double Coil (Helix), Add</i>	14.10	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0697	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.67	0.71
			<i>For >500 To 1,500, Deduct</i>	-1.65	
			<i>For >1,500 To 5,000, Deduct</i>	-3.30	
			<i>For >5,000, Deduct</i>	-4.54	
			<i>For Ground Installation, Deduct</i>	-1.02	
			<i>For Double Coil (Helix), Add</i>	18.64	
32 31 13	13-0698	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.67	0.71
			<i>For >500 To 1,500, Deduct</i>	-1.08	
			<i>For >1,500 To 5,000, Deduct</i>	-2.16	
			<i>For >5,000, Deduct</i>	-2.96	
			<i>For Ground Installation, Deduct</i>	-0.56	
			<i>For Double Coil (Helix), Add</i>	12.55	
32 31 13	13-0699	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.68	0.71
			<i>For >500 To 1,500, Deduct</i>	-1.64	
			<i>For >1,500 To 5,000, Deduct</i>	-3.27	
			<i>For >5,000, Deduct</i>	-4.47	
			<i>For Ground Installation, Deduct</i>	-0.85	
			<i>For Double Coil (Helix), Add</i>	18.99	
32 31 13	13-0700	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	27.31	0.71
			<i>For >500 To 1,500, Deduct</i>	-2.16	
			<i>For >1,500 To 5,000, Deduct</i>	-4.32	
			<i>For >5,000, Deduct</i>	-5.91	
			<i>For Ground Installation, Deduct</i>	-1.12	
			<i>For Double Coil (Helix), Add</i>	25.07	
32 31 13	13-0701	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	46.75	0.71
			<i>For >500 To 1,500, Deduct</i>	-3.57	
			<i>For >1,500 To 5,000, Deduct</i>	-7.14	
			<i>For >5,000, Deduct</i>	-9.60	
			<i>For Ground Installation, Deduct</i>	-0.63	
			<i>For Double Coil (Helix), Add</i>	45.49	
32 31 13	13-0702	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	70.80	0.71
			<i>For >500 To 1,500, Deduct</i>	-5.41	
			<i>For >1,500 To 5,000, Deduct</i>	-10.81	
			<i>For >5,000, Deduct</i>	-14.54	
			<i>For Ground Installation, Deduct</i>	-0.95	
			<i>For Double Coil (Helix), Add</i>	68.90	
32 31 13	13-0703	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	93.52	0.71
			<i>For >500 To 1,500, Deduct</i>	-7.14	
			<i>For >1,500 To 5,000, Deduct</i>	-14.28	
			<i>For >5,000, Deduct</i>	-19.21	
			<i>For Ground Installation, Deduct</i>	-1.27	
			<i>For Double Coil (Helix), Add</i>	90.98	
32 31 13	13-0704		Grounding For Gates <small>(32 31 13 13-0675)</small> Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13	13-0705	OPNG	Grounding For Gates (Per Opening).....	462.15	
32 31 13	13-0706		Coiled Spring Reinforcing Wire <small>(32 31 13 13-0675)</small>		
32 31 13	13-0707		Galvanized Steel <small>(32 31 13 13-0706)</small>		
32 31 13	13-0708	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	1.22	0.51
32 31 13	13-0709		Vinyl Coated Steel <small>(32 31 13 13-0706)</small>		
32 31 13	13-0710	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.22	0.51
32 31 13	13-0711		Bending Of Fabric Around Pipe Railings <small>(32 31 13 13-0675)</small> Note: Only where specified.		
32 31 13	13-0712	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.61	
32 31 13	13-0713	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.41	
32 31 13	13-0714		Mounting Plate With Anchors Or Bolts <small>(32 31 13 13-0675)</small> Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13	13-0715	EA	Mounting Plate For 1-5/8" Diameter Post.....	46.59	
32 31 13	13-0716	EA	Mounting Plate For 2" Diameter Post.....	47.37	
32 31 13	13-0717	EA	Mounting Plate For 2-1/2" Diameter Post.....	48.69	
32 31 13	13-0718	EA	Mounting Plate For 3" Diameter Post.....	58.76	
32 31 13	13-0719	EA	Mounting Plate For 4" Diameter Post.....	67.63	
32 31 13	13-0720	EA	Mounting Plate For 6-5/8" Diameter Post.....	78.46	
32 31 13	13-0721	EA	Mounting Plate For 8-5/8" Diameter Post.....	92.60	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0722		Tension Bar <small>(32 31 13 13-0675)</small>		
32 31 13	13-0723	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	16.47	
32 31 13	13-0724	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.53	
32 31 13	13-0725	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	21.63	
32 31 13	13-0726	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	25.06	
32 31 13	13-0727	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	29.63	
32 31 13	13-0728	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	34.37	
32 31 13	13-0729	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	38.87	
32 31 13	13-0730	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	46.66	
32 31 13	13-0731	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	55.85	
32 31 13	13-0732		Truss Rods <small>(32 31 13 13-0675)</small>		
32 31 13	13-0733	LF	3/8" Diameter Truss Rods.....	2.24	0.56
32 31 13	13-0734		Fence And Gate Repair And Replacement <small>(32 31 13 13)</small>		
32 31 13	13-0735		Fence And Gate Parts Replacement <small>(32 31 13 13-0734)</small>		
32 31 13	13-0736	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	130.07	
32 31 13	13-0737	EA	Sliding Gate Roller Assembly Replacement	127.09	
32 31 13	13-0738	EA	Rod And Lock Gate Keeper Replacement	129.72	
32 31 13	13-0739	EA	Galvanized Gate Holdback Replacement	28.46	
32 31 13	13-0740	LF	3/8" Cross Bracing Rod Replacement	1.67	
32 31 13	13-0741	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.61	
32 31 13	13-0742	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.31	
32 31 13	13-0743	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	32.29	
32 31 13	13-0744	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.41	
32 31 13	13-0745	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	54.19	
32 31 13	13-0746	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	111.33	
32 31 13	13-0747	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	26.82	
32 31 13	13-0748	EA	3" x 2" Off Set Gate Hinge Replacement	27.98	
32 31 13	13-0749	EA	4" x 2" Off Set Gate Hinge Replacement	29.86	
32 31 13	13-0750	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	49.01	
32 31 13	13-0751	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	77.42	
32 31 13	13-0752	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	5.96	
32 31 13	13-0753	EA	2" Aluminum Die-Cast Post Cap Replacement.....	6.55	
32 31 13	13-0754	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	7.68	
32 31 13	13-0755	EA	3" Aluminum Die-Cast Post Cap Replacement.....	8.98	
32 31 13	13-0756	EA	2" Galvanized Post Cap Replacement.....	6.59	
32 31 13	13-0757	EA	2-1/2" Galvanized Post Cap Replacement.....	7.13	
32 31 13	13-0758	EA	3" Galvanized Post Cap Replacement.....	8.18	
32 31 13	13-0759	EA	4" Galvanized Post Cap Replacement.....	12.20	
32 31 13	13-0760	EA	6-5/8" Galvanized Post Cap Replacement.....	23.13	
32 31 13	13-0761	EA	8-5/8" Galvanized Post Cap Replacement.....	38.05	
32 31 13	13-0762	EA	1-5/8" Boulevard Clamp Replacement.....	10.96	
32 31 13	13-0763	EA	2" Boulevard Clamp Replacement.....	13.36	
32 31 13	13-0764	EA	2-1/2" Boulevard Clamp Replacement.....	15.68	
32 31 13	13-0765	EA	3" Boulevard Clamp Replacement.....	19.02	
32 31 13	13-0766	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	10.74	
32 31 13	13-0767	EA	2" Gate Brace Or End Rail Clamp Replacement.....	13.05	
32 31 13	13-0768	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	15.38	
32 31 13	13-0769	EA	3" Gate Brace Or End Rail Clamp Replacement.....	18.70	
32 31 13	13-0770	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.11	
32 31 13	13-0771	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.21	
32 31 13	13-0772	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.47	
32 31 13	13-0773	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.35	
32 31 13	13-0774	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.55	
32 31 13	13-0775	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.71	
32 31 13	13-0776	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	12.18	
32 31 13	13-0777	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	15.61	
32 31 13	13-0778		Removal And Reinstallation Of Chain Link Fences <small>(32 31 13 13)</small>		
			Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13	13-0779	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	20.31	
32 31 13	13-0780	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	30.46	
32 31 13	13-0781		Ballfield Fencing <small>(32 31 13 13)</small>		
			See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13	13-0782		Concrete Bases For Ballfield Poles, Cast In Place <small>(32 31 13 13-0781)</small>		
			Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13	13-0783	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles.....	135.48	
32 31 13	13-0784	VLF	3' Diameter Concrete Base For Ballfield Poles	159.90	
32 31 13	13-0785	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	200.96	
32 31 13	13-0786	VLF	4' Diameter Concrete Base For Ballfield Poles	237.50	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0787 Ballfield Poles <small>(32 31 13 13-0781)</small>		
32 31 13 13-0788 EA 20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,106.87	688.57
32 31 13 13-0789 EA 25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,056.32	860.71
32 31 13 13-0790 EA 30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	11,557.55	1,032.86
32 31 13 13-0791 EA 40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	15,538.28	1,205.00
32 31 13 13-0792 EA 50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	20,823.89	1,377.13
32 31 13 13-0793 EA 60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	23,270.12	1,549.27
32 31 13 13-0794 Ballfield Nylon Netting <small>(32 31 13 13-0781)</small>		
Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0795 LF 10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.80	
32 31 13 13-0796 LF 10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.84	
32 31 13 13-0797 LF 10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.06	
32 31 13 13-0798 LF 10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.32	
32 31 13 13-0799 LF 10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.57	
32 31 13 13-0800 LF 10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.43	
32 31 13 13-0801 LF 10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.89	
32 31 13 13-0802 LF 10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	5.05	
32 31 13 13-0803 Ballfield Chainlink Netting <small>(32 31 13 13-0781)</small>		
Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0804 SF #9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	3.81	1.27
For 13 Gauge Fabric, Deduct	-0.58	
For 11 Gauge Fabric, Deduct	-0.32	
For 6 Gauge Fabric, Add	1.02	
For 1" Mesh Fabric, Add	0.96	
For 1-3/4" Mesh Fabric, Add	0.38	
For 2-1/8" Mesh Fabric, Deduct	-0.19	
For 2-3/8" Mesh Fabric, Deduct	-0.26	
32 31 13 13-0805 Ballfield Netting Accessories <small>(32 31 13 13-0781)</small>		
32 31 13 13-0806 EA Sliding Clip For Ballfield Netting.....	8.83	
32 31 13 13-0807 EA 1/4" Utility Spring Swing Clip For Ballfield Netting	3.95	
32 31 13 13-0808 EA 5/16" Utility Spring Swing Clip For Ballfield Netting	4.15	
32 31 13 13-0809 EA 3/8" Utility Spring Swing Clip For Ballfield Netting	4.45	
32 31 13 33 Chain Link Backstops <small>(32 31 13)</small>		
32 31 13 33-0001 Regulation Baseball Backstop <small>(32 31 13 33)</small>		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	13,058.61	2,040.60
32 31 13 33-0003 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	18,868.74	2,720.80
32 31 13 33-0004 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	24,089.00	3,174.26
32 31 13 33-0005 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	18,447.17	2,040.60
32 31 13 33-0006 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	26,931.73	2,720.80
32 31 13 33-0007 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	34,729.37	3,174.26
32 31 13 33-0008 Regulation Softball Backstop <small>(32 31 13 33)</small>		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009 14' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010 EA 14' Softball Backstop, Galvanized Regulation	11,077.42	2,086.23
32 31 13 33-0011 EA 14' Softball Backstop, Vinyl Coated Regulation	14,942.18	2,086.23
32 31 13 33-0012 18' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013 EA 18' Softball Backstop, Galvanized Regulation	12,945.90	2,319.31
32 31 13 33-0014 EA 18' Softball Backstop Vinyl Coated Regulation	17,621.01	2,319.31
32 31 13 33-0015 20' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016 EA 20' Softball Backstop, Galvanized Regulation	14,680.56	2,445.39
32 31 13 33-0017 EA 20' Softball Backstop, Vinyl Coated Regulation	20,228.42	2,445.39

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 33-0018		22' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation.....	16,932.64	2,519.17
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation	23,602.47	2,519.17
32 31 13 33-0021		24' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation.....	20,181.50	2,879.05
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation	28,472.03	2,879.05
32 31 16		Welded Wire Fences and Gates (32 31)		
32 31 16 00-0001		Welded Wire Fence (32 31 16)		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	10.07	1.81
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	10.87	1.81
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	9.91	1.81
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	10.62	1.81
32 31 19		Decorative Metal Fences and Gates (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence (32 31 19) Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center (32 31 19 00-0001) Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	46.45	11.17
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	8.53	
		For Verticals Up To 2" On Center, Add	7.72	
		For Verticals >2" To 2-1/2" On Center, Add	4.82	
		For Verticals >2-1/2" To 3" On Center, Add	1.93	
		For Verticals >4" To 6" On Center, Deduct	-2.17	
		For Pickets Extending Above Top Rail, Add	4.13	
		For Curved Pickets Extending Above Top Rail, Add	9.51	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	59.40	14.21
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	10.83	
		For Verticals Up To 2" On Center, Add	10.23	
		For Verticals >2" To 2-1/2" On Center, Add	6.39	
		For Verticals >2-1/2" To 3" On Center, Add	2.56	
		For Verticals >4" To 6" On Center, Deduct	-2.88	
		For Pickets Extending Above Top Rail, Add	5.37	
		For Curved Pickets Extending Above Top Rail, Add	12.45	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	70.17	14.82
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	12.62	
		For Verticals Up To 2" On Center, Add	12.90	
		For Verticals >2" To 2-1/2" On Center, Add	8.06	
		For Verticals >2-1/2" To 3" On Center, Add	3.23	
		For Verticals >4" To 6" On Center, Deduct	-3.63	
		For Pickets Extending Above Top Rail, Add	6.53	
		For Curved Pickets Extending Above Top Rail, Add	15.34	
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	84.90	17.87
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	15.24	
		For Verticals Up To 2" On Center, Add	15.71	
		For Verticals >2" To 2-1/2" On Center, Add	9.82	
		For Verticals >2-1/2" To 3" On Center, Add	3.93	
		For Verticals >4" To 6" On Center, Deduct	-4.42	
		For Pickets Extending Above Top Rail, Add	7.93	
		For Curved Pickets Extending Above Top Rail, Add	18.64	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	98.82	18.91
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	17.47	
		For Verticals Up To 2" On Center, Add	19.52	
		For Verticals >2" To 2-1/2" On Center, Add	12.20	
		For Verticals >2-1/2" To 3" On Center, Add	4.88	
		For Verticals >4" To 6" On Center, Deduct	-5.49	
		For Pickets Extending Above Top Rail, Add	9.52	
		For Curved Pickets Extending Above Top Rail, Add	22.66	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008 LF 8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	112.72	19.90
For 6' Length Fence Panels With Posts Set 6' O.C., Add	19.69	
For Verticals Up To 2" On Center, Add	23.33	
For Verticals >2" To 2-1/2" On Center, Add	14.58	
For Verticals >2-1/2" To 3" On Center, Add	5.83	
For Verticals >4" To 6" On Center, Deduct	-6.56	
For Pickets Extending Above Top Rail, Add	11.11	
For Curved Pickets Extending Above Top Rail, Add	26.68	
32 31 19 00-0009 LF 10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	136.52	22.33
For 6' Length Fence Panels With Posts Set 6' O.C., Add	23.60	
For Verticals Up To 2" On Center, Add	29.39	
For Verticals >2" To 2-1/2" On Center, Add	18.37	
For Verticals >2-1/2" To 3" On Center, Add	7.35	
For Verticals >4" To 6" On Center, Deduct	-8.27	
For Pickets Extending Above Top Rail, Add	13.71	
For Curved Pickets Extending Above Top Rail, Add	33.20	
32 31 19 00-0010 LF 12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	161.07	25.38
For 6' Length Fence Panels With Posts Set 6' O.C., Add	27.71	
For Verticals Up To 2" On Center, Add	35.30	
For Verticals >2" To 2-1/2" On Center, Add	22.06	
For Verticals >2-1/2" To 3" On Center, Add	8.82	
For Verticals >4" To 6" On Center, Deduct	-9.93	
For Pickets Extending Above Top Rail, Add	16.33	
For Curved Pickets Extending Above Top Rail, Add	39.66	
32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001)		
Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim	57.04	13.60
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	74.84	16.86
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	91.18	20.31
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	110.71	24.37
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	146.80	27.01
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	176.80	29.85
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	206.27	33.91
32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim.....	69.57	12.18
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim.....	91.19	15.23
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim.....	110.66	18.27
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim.....	133.93	21.93
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim.....	178.42	24.37
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim.....	215.28	26.80
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim.....	251.63	30.46
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029 LF Removal And Replacement Of Wrought Iron Picket.....	19.41	
32 31 19 00-0030 LF Removal And Replacement Of Wrought Iron Post.....	28.64	
32 31 19 00-0031 EA Straighten Wrought Iron Post.....	81.22	
32 31 19 00-0032 Steel Tube Fence, Powder Coated (32 31 19)		
Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
Note: 6 foot long panel sections.		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	75.55	11.17
For Verticals Up To 2" On Center, Add	10.73	
For Verticals >2" To 2-1/2" On Center, Add	5.37	
For Verticals >3" To 4" On Center, Deduct	-5.37	
For Verticals >4" To 6" On Center, Deduct	-10.73	
For Pickets Extending Above Top Rail, Add	5.66	
For Curved Pickets Extending Above Top Rail, Add	9.96	
For Solid Pickets, Add	15.36	
For Aluminum With Satin Finish, Add	12.81	
For Third Rail, Add	4.02	
For 1" Square x 14 Gauge Pickets, Add	13.42	
For 3" Square Posts, Add	6.71	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0035	LF 3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	80.81	11.94
	For Verticals Up To 2" On Center, Add	11.39	
	For Verticals >2" To 2-1/2" On Center, Add	5.69	
	For Verticals >3" To 4" On Center, Deduct	-5.69	
	For Verticals >4" To 6" On Center, Deduct	-11.39	
	For Pickets Extending Above Top Rail, Add	6.03	
	For Curved Pickets Extending Above Top Rail, Add	10.62	
	For Solid Pickets, Add	16.39	
	For Aluminum With Satin Finish, Add	13.50	
	For Third Rail, Add	4.27	
	For 1" Square x 14 Gauge Pickets, Add	14.23	
	For 3" Square Posts, Add	7.12	
32 31 19 00-0036	LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	85.46	13.20
	For Verticals Up To 2" On Center, Add	11.92	
	For Verticals >2" To 2-1/2" On Center, Add	5.96	
	For Verticals >3" To 4" On Center, Deduct	-5.96	
	For Verticals >4" To 6" On Center, Deduct	-11.92	
	For Pickets Extending Above Top Rail, Add	6.36	
	For Curved Pickets Extending Above Top Rail, Add	11.18	
	For Solid Pickets, Add	17.29	
	For Aluminum With Satin Finish, Add	14.00	
	For Third Rail, Add	4.47	
	For 1" Square x 14 Gauge Pickets, Add	14.90	
	For 3" Square Posts, Add	7.45	
32 31 19 00-0037	LF 5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	90.94	14.82
	For Verticals Up To 2" On Center, Add	12.22	
	For Verticals >2" To 2-1/2" On Center, Add	6.11	
	For Verticals >3" To 4" On Center, Deduct	-6.11	
	For Verticals >4" To 6" On Center, Deduct	-12.22	
	For Pickets Extending Above Top Rail, Add	6.69	
	For Curved Pickets Extending Above Top Rail, Add	11.71	
	For Solid Pickets, Add	18.22	
	For Aluminum With Satin Finish, Add	13.85	
	For Third Rail, Add	4.58	
	For 1" Square x 14 Gauge Pickets, Add	15.27	
	For 3" Square Posts, Add	7.64	
32 31 19 00-0038	LF 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	105.51	16.76
	For Verticals Up To 2" On Center, Add	14.40	
	For Verticals >2" To 2-1/2" On Center, Add	7.20	
	For Verticals >3" To 4" On Center, Deduct	-7.20	
	For Verticals >4" To 6" On Center, Deduct	-14.40	
	For Pickets Extending Above Top Rail, Add	7.80	
	For Curved Pickets Extending Above Top Rail, Add	13.67	
	For Solid Pickets, Add	21.23	
	For Aluminum With Satin Finish, Add	16.58	
	For Third Rail, Add	5.40	
	For 1" Square x 14 Gauge Pickets, Add	18.00	
	For 3" Square Posts, Add	9.00	
32 31 19 00-0039	LF 7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	120.90	18.27
	For Verticals Up To 2" On Center, Add	16.87	
	For Verticals >2" To 2-1/2" On Center, Add	8.44	
	For Verticals >3" To 4" On Center, Deduct	-8.44	
	For Verticals >4" To 6" On Center, Deduct	-16.87	
	For Pickets Extending Above Top Rail, Add	9.00	
	For Curved Pickets Extending Above Top Rail, Add	15.82	
	For Solid Pickets, Add	24.46	
	For Aluminum With Satin Finish, Add	19.83	
	For Third Rail, Add	6.33	
	For 1" Square x 14 Gauge Pickets, Add	21.09	
	For 4" Square Posts, Add	29.53	
32 31 19 00-0040	LF 8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	136.52	19.90
	For Verticals Up To 2" On Center, Add	19.34	
	For Verticals >2" To 2-1/2" On Center, Add	9.67	
	For Verticals >3" To 4" On Center, Deduct	-9.67	
	For Verticals >4" To 6" On Center, Deduct	-19.34	
	For Pickets Extending Above Top Rail, Add	10.21	
	For Curved Pickets Extending Above Top Rail, Add	17.98	
	For Solid Pickets, Add	27.73	
	For Aluminum With Satin Finish, Add	23.05	
	For Third Rail, Add	7.25	
	For 1" Square x 14 Gauge Pickets, Add	24.18	
	For 4" Square Posts, Add	33.85	
32 31 19 00-0041	LF 9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	158.94	21.32
	For Verticals Up To 2" On Center, Add	23.26	
	For Verticals >2" To 2-1/2" On Center, Add	11.63	
	For Verticals >3" To 4" On Center, Deduct	-11.63	
	For Verticals >4" To 6" On Center, Deduct	-23.26	
	For Pickets Extending Above Top Rail, Add	12.02	
	For Curved Pickets Extending Above Top Rail, Add	21.22	
	For Solid Pickets, Add	32.56	
	For Aluminum With Satin Finish, Add	28.49	
	For Third Rail, Add	8.72	
	For 1" Square x 14 Gauge Pickets, Add	29.08	
	For 4" Square Posts, Add	40.71	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	181.56	22.84
			<i>For Verticals Up To 2" On Center, Add</i>	27.17	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	13.59	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-13.59	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-27.17	
			<i>For Pickets Extending Above Top Rail, Add</i>	13.83	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	24.49	
			<i>For Solid Pickets, Add</i>	37.42	
			<i>For Aluminum With Satin Finish, Add</i>	33.91	
			<i>For Third Rail, Add</i>	10.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	33.97	
			<i>For 6" Square Posts, Add</i>	47.55	
32 31	19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	214.05	25.38
			<i>For Verticals Up To 2" On Center, Add</i>	32.66	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	16.33	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-16.33	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-32.66	
			<i>For Pickets Extending Above Top Rail, Add</i>	16.42	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	29.12	
			<i>For Solid Pickets, Add</i>	44.35	
			<i>For Aluminum With Satin Finish, Add</i>	41.37	
			<i>For Third Rail, Add</i>	12.25	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	40.82	
			<i>For 6" Square Posts, Add</i>	57.15	
32 31	19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	229.26	27.41
			<i>For Verticals Up To 2" On Center, Add</i>	34.89	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	17.44	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-17.44	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-34.89	
			<i>For Pickets Extending Above Top Rail, Add</i>	17.57	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	31.15	
			<i>For Solid Pickets, Add</i>	47.47	
			<i>For Aluminum With Satin Finish, Add</i>	44.10	
			<i>For Third Rail, Add</i>	13.08	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	43.61	
			<i>For 6" Square Posts, Add</i>	61.05	
32 31	19 00-0045		Steel Tube Swing Gates <small>(32 31 19 00-0032)</small>		
32 31	19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31	19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate	722.98	21.62
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	157.80	
			<i>For Aluminum With Satin Finish, Add</i>	187.65	
			<i>For Third Rail, Add</i>	49.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	65.80	
32 31	19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	804.48	22.64
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	175.91	
			<i>For Aluminum With Satin Finish, Add</i>	210.74	
			<i>For Third Rail, Add</i>	55.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	73.65	
32 31	19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	890.57	23.96
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	194.97	
			<i>For Aluminum With Satin Finish, Add</i>	234.74	
			<i>For Third Rail, Add</i>	61.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.85	
32 31	19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	936.66	25.68
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	204.96	
			<i>For Aluminum With Satin Finish, Add</i>	246.28	
			<i>For Third Rail, Add</i>	64.46	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.95	
32 31	19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,046.40	30.76
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	228.51	
			<i>For Aluminum With Satin Finish, Add</i>	272.34	
			<i>For Third Rail, Add</i>	71.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.40	
32 31	19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,113.34	35.84
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	242.43	
			<i>For Aluminum With Satin Finish, Add</i>	285.57	
			<i>For Third Rail, Add</i>	75.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.57	
32 31	19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,215.17	41.22
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	264.12	
			<i>For Aluminum With Satin Finish, Add</i>	308.82	
			<i>For Third Rail, Add</i>	81.85	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.13	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,303.51 282.86 328.47 87.33 116.44	46.30
32 31	19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,381.15 299.19 344.91 92.01 122.68	51.37
32 31	19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,511.75 330.40 395.05 103.64 138.18	43.25
32 31	19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,610.75 352.22 422.01 110.60 147.47	45.28
32 31	19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,781.14 389.94 469.47 122.77 163.70	48.02
32 31	19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,866.46 408.76 492.78 128.79 171.72	49.75
32 31	19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,935.73 423.97 511.28 133.61 178.14	51.37
32 31	19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,178.39 476.28 570.37 149.52 199.36	61.52
32 31	19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,387.16 520.97 619.30 162.90 217.19	71.67
32 31	19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,562.31 557.94 657.22 173.59 231.46	82.54
32 31	19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,708.67 588.59 687.42 182.29 243.05	92.59
32 31	19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,828.29 613.22 709.60 188.97 251.97	102.74
32 31	19 00-0066		4' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
	32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	835.31 182.81 219.75 57.51 76.68	20.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0068 EA 3'-6" Wide x 4' High Steel Tube Single Swing Gate.....	903.81	23.66
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	198.03	
<i>For Aluminum With Satin Finish, Add</i>	239.17	
<i>For Third Rail, Add</i>	62.46	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.28	
32 31 19 00-0069 EA 4' Wide x 4' High Steel Tube Single Swing Gate.....	974.87	25.38
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	213.64	
<i>For Aluminum With Satin Finish, Add</i>	258.20	
<i>For Third Rail, Add</i>	67.40	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.87	
32 31 19 00-0070 EA 5' Wide x 4' High Steel Tube Single Swing Gate.....	1,033.45	27.01
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	226.43	
<i>For Aluminum With Satin Finish, Add</i>	273.49	
<i>For Third Rail, Add</i>	71.42	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.22	
32 31 19 00-0071 EA 6' Wide x 4' High Steel Tube Single Swing Gate.....	1,113.88	32.48
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	243.31	
<i>For Aluminum With Satin Finish, Add</i>	290.31	
<i>For Third Rail, Add</i>	76.23	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	101.64	
32 31 19 00-0072 EA 7' Wide x 4' High Steel Tube Single Swing Gate.....	1,222.85	37.87
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	266.61	
<i>For Aluminum With Satin Finish, Add</i>	315.69	
<i>For Third Rail, Add</i>	83.19	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.92	
32 31 19 00-0073 EA 8' Wide x 4' High Steel Tube Single Swing Gate.....	1,372.84	43.25
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	299.14	
<i>For Aluminum With Satin Finish, Add</i>	353.37	
<i>For Third Rail, Add</i>	93.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	124.29	
32 31 19 00-0074 EA 9' Wide x 4' High Steel Tube Single Swing Gate.....	1,519.25	48.73
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	330.87	
<i>For Aluminum With Satin Finish, Add</i>	389.99	
<i>For Third Rail, Add</i>	102.98	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	137.31	
32 31 19 00-0075 EA 10' Wide x 4' High Steel Tube Single Swing Gate.....	1,658.53	54.11
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	360.99	
<i>For Aluminum With Satin Finish, Add</i>	424.47	
<i>For Third Rail, Add</i>	112.21	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.61	
32 31 19 00-0076 EA 6' Wide x 4' High Steel Tube Double Swing Gate.....	1,670.61	45.69
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	365.61	
<i>For Aluminum With Satin Finish, Add</i>	439.51	
<i>For Third Rail, Add</i>	115.02	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	153.36	
32 31 19 00-0077 EA 7' Wide x 4' High Steel Tube Double Swing Gate.....	1,807.65	47.31
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	396.06	
<i>For Aluminum With Satin Finish, Add</i>	478.33	
<i>For Third Rail, Add</i>	124.91	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	166.55	
32 31 19 00-0078 EA 8' Wide x 4' High Steel Tube Double Swing Gate.....	1,949.76	50.77
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	427.27	
<i>For Aluminum With Satin Finish, Add</i>	516.40	
<i>For Third Rail, Add</i>	134.81	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	179.75	
32 31 19 00-0079 EA 9' Wide x 4' High Steel Tube Double Swing Gate.....	2,061.82	52.38
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	452.11	
<i>For Aluminum With Satin Finish, Add</i>	547.73	
<i>For Third Rail, Add</i>	142.83	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	190.45	
32 31 19 00-0080 EA 10' Wide x 4' High Steel Tube Double Swing Gate.....	2,156.05	54.11
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	472.93	
<i>For Aluminum With Satin Finish, Add</i>	573.72	
<i>For Third Rail, Add</i>	149.52	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.36	
32 31 19 00-0081 EA 12' Wide x 4' High Steel Tube Double Swing Gate.....	2,447.11	64.87
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	535.98	
<i>For Aluminum With Satin Finish, Add</i>	646.41	
<i>For Third Rail, Add</i>	168.91	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	225.22	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate		2,702.49	75.74
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		591.00	
		For Aluminum With Satin Finish, Add		708.41	
		For Third Rail, Add		185.63	
		For 1" Square x 14 Gauge Pickets, Add		247.51	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate		2,924.00	86.50
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		638.41	
		For Aluminum With Satin Finish, Add		760.25	
		For Third Rail, Add		199.81	
		For 1" Square x 14 Gauge Pickets, Add		266.41	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate		3,115.20	97.36
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		678.99	
		For Aluminum With Satin Finish, Add		802.98	
		For Third Rail, Add		211.71	
		For 1" Square x 14 Gauge Pickets, Add		282.28	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate		3,277.85	108.22
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		713.15	
		For Aluminum With Satin Finish, Add		837.16	
		For Third Rail, Add		221.47	
		For 1" Square x 14 Gauge Pickets, Add		295.30	
32 31 19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>			
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate		909.16	23.66
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		199.23	
		For Aluminum With Satin Finish, Add		240.77	
		For Third Rail, Add		62.86	
		For 1" Square x 14 Gauge Pickets, Add		83.81	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate		958.82	25.38
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		210.02	
		For Aluminum With Satin Finish, Add		253.38	
		For Third Rail, Add		66.20	
		For 1" Square x 14 Gauge Pickets, Add		88.27	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate		1,006.70	27.01
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		220.42	
		For Aluminum With Satin Finish, Add		265.46	
		For Third Rail, Add		69.41	
		For 1" Square x 14 Gauge Pickets, Add		92.55	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate		1,075.97	28.73
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		235.62	
		For Aluminum With Satin Finish, Add		283.96	
		For Third Rail, Add		74.23	
		For 1" Square x 14 Gauge Pickets, Add		98.97	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate		1,169.91	34.52
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		255.46	
		For Aluminum With Satin Finish, Add		304.37	
		For Third Rail, Add		79.98	
		For 1" Square x 14 Gauge Pickets, Add		106.64	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate		1,294.16	40.20
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		282.13	
		For Aluminum With Satin Finish, Add		333.88	
		For Third Rail, Add		88.00	
		For 1" Square x 14 Gauge Pickets, Add		117.34	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate		1,467.57	46.30
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		319.77	
		For Aluminum With Satin Finish, Add		377.68	
		For Third Rail, Add		99.64	
		For 1" Square x 14 Gauge Pickets, Add		132.85	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate		1,636.40	52.08
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		356.46	
		For Aluminum With Satin Finish, Add		420.57	
		For Third Rail, Add		111.00	
		For 1" Square x 14 Gauge Pickets, Add		148.01	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate		1,801.66	57.77
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		392.35	
		For Aluminum With Satin Finish, Add		462.38	
		For Third Rail, Add		122.10	
		For 1" Square x 14 Gauge Pickets, Add		162.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0096 EA 6' Wide x 5' High Steel Tube Double Swing Gate.....	1,790.12	39.89
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	394.23	
<i>For Aluminum With Satin Finish, Add</i>	485.78	
<i>For Third Rail, Add</i>	125.72	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.62	
32 31 19 00-0097 EA 7' Wide x 5' High Steel Tube Double Swing Gate.....	1,896.47	46.50
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	416.74	
<i>For Aluminum With Satin Finish, Add</i>	509.14	
<i>For Third Rail, Add</i>	132.27	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	176.36	
32 31 19 00-0098 EA 8' Wide x 5' High Steel Tube Double Swing Gate.....	2,003.96	53.50
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	439.42	
<i>For Aluminum With Satin Finish, Add</i>	532.34	
<i>For Third Rail, Add</i>	138.82	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	185.10	
32 31 19 00-0099 EA 9' Wide x 5' High Steel Tube Double Swing Gate.....	2,151.33	60.20
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	471.15	
<i>For Aluminum With Satin Finish, Add</i>	568.01	
<i>For Third Rail, Add</i>	148.45	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	197.94	
32 31 19 00-0100 EA 10' Wide x 5' High Steel Tube Double Swing Gate.....	2,280.88	66.80
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	498.88	
<i>For Aluminum With Satin Finish, Add</i>	598.33	
<i>For Third Rail, Add</i>	156.74	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	208.99	
32 31 19 00-0101 EA 12' Wide x 5' High Steel Tube Double Swing Gate.....	2,596.32	74.31
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	568.26	
<i>For Aluminum With Satin Finish, Add</i>	683.42	
<i>For Third Rail, Add</i>	178.81	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	238.41	
32 31 19 00-0102 EA 14' Wide x 5' High Steel Tube Double Swing Gate.....	2,880.12	82.43
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	630.35	
<i>For Aluminum With Satin Finish, Add</i>	758.00	
<i>For Third Rail, Add</i>	198.34	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	264.45	
32 31 19 00-0103 EA 16' Wide x 5' High Steel Tube Double Swing Gate.....	3,134.06	91.47
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	685.56	
<i>For Aluminum With Satin Finish, Add</i>	822.62	
<i>For Third Rail, Add</i>	215.46	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	287.27	
32 31 19 00-0104 EA 18' Wide x 5' High Steel Tube Double Swing Gate.....	3,362.81	101.62
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	734.86	
<i>For Aluminum With Satin Finish, Add</i>	878.18	
<i>For Third Rail, Add</i>	230.43	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	307.25	
32 31 19 00-0105 EA 20' Wide x 5' High Steel Tube Double Swing Gate.....	3,566.38	112.99
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	778.23	
<i>For Aluminum With Satin Finish, Add</i>	924.68	
<i>For Third Rail, Add</i>	243.27	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	324.36	
32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0107 EA 3' Wide x 6' High Steel Tube Single Swing Gate.....	946.59	25.99
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	207.12	
<i>For Aluminum With Satin Finish, Add</i>	248.80	
<i>For Third Rail, Add</i>	65.13	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	86.84	
32 31 19 00-0108 EA 3'-6" Wide x 6' High Steel Tube Single Swing Gate.....	995.23	27.41
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	217.76	
<i>For Aluminum With Satin Finish, Add</i>	261.57	
<i>For Third Rail, Add</i>	68.48	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.30	
32 31 19 00-0109 EA 4' Wide x 6' High Steel Tube Single Swing Gate.....	1,044.60	28.93
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	228.51	
<i>For Aluminum With Satin Finish, Add</i>	274.22	
<i>For Third Rail, Add</i>	71.82	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.76	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,105.25 241.75 290.00 75.96 101.29	30.76
32 31	19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,240.44 270.72 321.88 84.66 112.88	37.16
32 31	19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,384.55 301.70 356.43 94.02 125.36	43.65
32 31	19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,545.48 336.54 396.49 104.72 139.63	49.75
32 31	19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,700.30 369.93 434.25 114.88 153.18	56.14
32 31	19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,888.98 410.93 482.18 127.59 170.12	62.54
32 31	19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,859.69 409.22 502.62 130.26 173.68	43.05
32 31	19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,970.06 432.46 526.19 136.95 182.60	50.46
32 31	19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,079.32 455.54 549.92 143.64 191.52	57.46
32 31	19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,211.10 483.59 579.91 151.93 202.57	64.87
32 31	19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,417.77 528.50 632.36 165.84 221.12	72.28
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,835.31 620.69 747.07 195.39 260.53	80.51
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,969.10 648.78 775.15 203.42 271.23	89.95
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,260.27 712.12 849.43 223.08 297.44	100.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0124 EA 18' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,528.03 769.94 915.19 240.73 320.98	111.37
32 31 19 00-0125 EA 20' Wide x 6' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,777.08 823.21 973.32 256.65 342.20	124.26
32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0127 EA 3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,002.92 219.31 262.82 68.88 91.84	28.13
32 31 19 00-0128 EA 3'-6" Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,053.75 230.42 276.06 72.35 96.47	29.64
32 31 19 00-0129 EA 4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,104.78 241.55 289.26 75.83 101.11	31.17
32 31 19 00-0130 EA 5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,155.92 252.70 302.46 79.31 105.74	32.79
32 31 19 00-0131 EA 6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,337.72 292.00 347.41 91.34 121.79	39.89
32 31 19 00-0132 EA 7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,504.25 327.95 388.23 102.31 136.42	46.70
32 31 19 00-0133 EA 8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,625.43 353.62 414.99 109.80 146.40	53.71
32 31 19 00-0134 EA 9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,763.42 383.14 447.25 118.63 158.17	60.51
32 31 19 00-0135 EA 10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,932.74 419.64 488.45 129.73 172.97	67.61
32 31 19 00-0136 EA 6' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,968.47 433.02 531.24 137.75 183.67	46.09
32 31 19 00-0137 EA 7' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,083.53 457.24 555.71 144.71 192.94	53.91

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate		2,199.71	62.14
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		481.62	
		For Aluminum With Satin Finish, Add		580.01	
		For Third Rail, Add		151.66	
		For 1" Square x 14 Gauge Pickets, Add		202.22	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate		2,316.55	69.95
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		506.23	
		For Aluminum With Satin Finish, Add		605.01	
		For Third Rail, Add		158.75	
		For 1" Square x 14 Gauge Pickets, Add		211.67	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate		2,609.27	78.17
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		570.33	
		For Aluminum With Satin Finish, Add		682.27	
		For Third Rail, Add		178.94	
		For 1" Square x 14 Gauge Pickets, Add		238.59	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate		3,153.86	87.21
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		690.94	
		For Aluminum With Satin Finish, Add		834.09	
		For Third Rail, Add		217.86	
		For 1" Square x 14 Gauge Pickets, Add		290.48	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate		3,119.82	97.76
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		681.02	
		For Aluminum With Satin Finish, Add		810.32	
		For Third Rail, Add		213.05	
		For 1" Square x 14 Gauge Pickets, Add		284.06	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate		3,380.46	109.03
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		737.24	
		For Aluminum With Satin Finish, Add		873.93	
		For Third Rail, Add		230.17	
		For 1" Square x 14 Gauge Pickets, Add		306.89	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate		3,691.92	121.93
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		804.55	
		For Aluminum With Satin Finish, Add		950.79	
		For Third Rail, Add		250.76	
		For 1" Square x 14 Gauge Pickets, Add		334.35	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate		3,897.97	136.04
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		847.90	
		For Aluminum With Satin Finish, Add		994.51	
		For Third Rail, Add		263.20	
		For 1" Square x 14 Gauge Pickets, Add		350.93	
32 31 19 00-0146		8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>			
32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate		1,089.96	30.46
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		238.39	
		For Aluminum With Satin Finish, Add		285.87	
		For Third Rail, Add		74.89	
		For 1" Square x 14 Gauge Pickets, Add		99.86	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate		1,143.19	32.09
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		249.98	
		For Aluminum With Satin Finish, Add		299.55	
		For Third Rail, Add		78.51	
		For 1" Square x 14 Gauge Pickets, Add		104.67	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate		1,199.97	33.81
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		262.38	
		For Aluminum With Satin Finish, Add		314.31	
		For Third Rail, Add		82.38	
		For 1" Square x 14 Gauge Pickets, Add		109.85	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate		1,250.88	37.66
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		272.96	
		For Aluminum With Satin Finish, Add		324.32	
		For Third Rail, Add		85.33	
		For 1" Square x 14 Gauge Pickets, Add		113.77	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate		1,479.59	42.64
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add		323.31	
		For Aluminum With Satin Finish, Add		386.31	
		For Third Rail, Add		101.38	
		For 1" Square x 14 Gauge Pickets, Add		135.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,646.85	51.37
			<i>For Solid Pickets, Add</i>	358.97	
			<i>For Aluminum With Satin Finish, Add</i>	424.62	
			<i>For Third Rail, Add</i>	111.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.25	
32 31	19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,720.38	59.79
			<i>For Solid Pickets, Add</i>	373.61	
			<i>For Aluminum With Satin Finish, Add</i>	435.25	
			<i>For Third Rail, Add</i>	115.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	154.07	
32 31	19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,844.85	68.63
			<i>For Solid Pickets, Add</i>	399.63	
			<i>For Aluminum With Satin Finish, Add</i>	460.71	
			<i>For Third Rail, Add</i>	122.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.88	
32 31	19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,953.27	77.47
			<i>For Solid Pickets, Add</i>	422.05	
			<i>For Aluminum With Satin Finish, Add</i>	481.37	
			<i>For Third Rail, Add</i>	129.06	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.08	
32 31	19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,139.68	49.24
			<i>For Solid Pickets, Add</i>	470.87	
			<i>For Aluminum With Satin Finish, Add</i>	578.58	
			<i>For Third Rail, Add</i>	149.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.90	
32 31	19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,268.57	59.39
			<i>For Solid Pickets, Add</i>	497.70	
			<i>For Aluminum With Satin Finish, Add</i>	604.19	
			<i>For Third Rail, Add</i>	157.41	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.88	
32 31	19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,394.57	69.14
			<i>For Solid Pickets, Add</i>	523.95	
			<i>For Aluminum With Satin Finish, Add</i>	629.42	
			<i>For Third Rail, Add</i>	164.77	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	219.69	
32 31	19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,500.28	79.39
			<i>For Solid Pickets, Add</i>	545.56	
			<i>For Aluminum With Satin Finish, Add</i>	648.07	
			<i>For Third Rail, Add</i>	170.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	227.36	
32 31	19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,905.58	89.54
			<i>For Solid Pickets, Add</i>	634.58	
			<i>For Aluminum With Satin Finish, Add</i>	756.59	
			<i>For Third Rail, Add</i>	198.74	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	264.98	
32 31	19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,620.92	100.81
			<i>For Solid Pickets, Add</i>	793.10	
			<i>For Aluminum With Satin Finish, Add</i>	956.62	
			<i>For Third Rail, Add</i>	249.96	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	333.28	
32 31	19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,311.83	113.70
			<i>For Solid Pickets, Add</i>	720.79	
			<i>For Aluminum With Satin Finish, Add</i>	847.31	
			<i>For Third Rail, Add</i>	224.01	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	298.69	
32 31	19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,546.86	128.63
			<i>For Solid Pickets, Add</i>	770.49	
			<i>For Aluminum With Satin Finish, Add</i>	898.72	
			<i>For Third Rail, Add</i>	238.46	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	317.95	
32 31	19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,909.39	144.98
			<i>For Solid Pickets, Add</i>	848.54	
			<i>For Aluminum With Satin Finish, Add</i>	986.37	
			<i>For Third Rail, Add</i>	262.13	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	349.51	
32 31	19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,990.40	163.35
			<i>For Solid Pickets, Add</i>	862.83	
			<i>For Aluminum With Satin Finish, Add</i>	987.06	
			<i>For Third Rail, Add</i>	264.27	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	352.36	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0166			Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31 19 00-0167	LF		Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket .....29.47 <i>For 1" Square x 14 Gauge Pickets, Add</i> 0.92		
32 31 19 00-0168			Removal And Reinstallation Of Ornamental Fences (32 31 19)		
			Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF		Removal And Reinstallation Of Ornamental Fence Up To 5' Height .....45.69		
32 31 19 00-0170	LF		Removal And Reinstallation Of Ornamental Fence, 6' Height .....50.26		
32 31 19 00-0171	LF		Removal And Reinstallation Of Ornamental Fence, 7' Height .....54.83		
32 31 19 00-0172	LF		Removal And Reinstallation Of Ornamental Fence, 8' Height .....59.39		
32 31 19 00-0173	LF		Removal And Reinstallation Of Ornamental Fence, 9' Height .....63.96		
32 31 19 00-0174	LF		Removal And Reinstallation Of Ornamental Fence, 10' Height .....68.53		
32 31 19 00-0175	LF		Removal And Reinstallation Of Ornamental Fence 12' Height .....76.14		
32 31 23			Plastic Fences and Gates (32 31)		
32 31 23 00-0001			Vinyl Fence (32 31 23)		
32 31 23 00-0002			Privacy Tongue And Groove Vinyl Fence (32 31 23 00-0001)		
			Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003	LF		3' High Privacy Tongue And Groove Vinyl Fence .....58.48	6.38	
32 31 23 00-0004	LF		4' High Privacy Tongue And Groove Vinyl Fence .....65.57	7.66	
32 31 23 00-0005	LF		5' High Privacy Tongue And Groove Vinyl Fence .....73.23	8.93	
32 31 23 00-0006	LF		6' High Privacy Tongue And Groove Vinyl Fence .....80.75	10.21	
32 31 23 00-0007			Semi-Privacy 6" Picket Vinyl Fence (32 31 23 00-0001)		
			Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF		5' High Semi-Privacy 6" Picket Vinyl Fence .....78.38	8.93	
32 31 23 00-0009	LF		6' High Semi-Privacy 6" Picket Vinyl Fence .....85.95	10.21	
32 31 23 00-0010			Picket Straight Top Vinyl Fence (32 31 23 00-0001)		
			Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF		3' High Picket Straight Top Vinyl Fence .....53.94	6.38	
32 31 23 00-0012	LF		4' High Picket Straight Top Vinyl Fence .....61.26	7.66	
32 31 23 00-0013	LF		5' High Picket Straight Top Vinyl Fence .....70.22	8.93	
32 31 23 00-0014	LF		6' High Picket Straight Top Vinyl Fence .....77.80	10.21	
32 31 23 00-0015			Picket Scalloped Top Vinyl Fence (32 31 23 00-0001)		
			Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF		3' High Picket Scalloped Top Vinyl Fence .....59.78	6.38	
32 31 23 00-0017	LF		4' High Picket Scalloped Top Vinyl Fence .....67.28	7.66	
32 31 23 00-0018	LF		5' High Picket Scalloped Top Vinyl Fence .....75.85	8.93	
32 31 23 00-0019	LF		6' High Picket Scalloped Top Vinyl Fence .....83.61	10.21	
32 31 23 00-0020			Post And Rail Vinyl Fence, Ranch Style (32 31 23 00-0001)		
			Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF		5' High, 2 Rail, Post And Rail Vinyl Fence .....22.01	6.38	
32 31 23 00-0022	LF		6-1/2' High, 3 Rail, Post And Rail Vinyl Fence .....28.22	7.66	
32 31 23 00-0023	LF		7' High, 4 Rail, Post And Rail Vinyl Fence .....32.48	8.30	
32 31 23 00-0024			Post, Rails And Pickets (Traditional Style) Vinyl Fence (32 31 23 00-0001)		
			Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF		3' High Rail And Picket Vinyl Fence, 72" On Center Posts .....69.98	7.02	
32 31 23 00-0026	LF		4' High Rail And Picket Vinyl Fence, 72" On Center Posts .....76.48	8.30	
32 31 23 00-0027	LF		3' High Rail And Picket Vinyl Fence, 96" On Center Posts .....66.01	6.38	
32 31 23 00-0028	LF		4' High Rail And Picket Vinyl Fence, 96" On Center Posts .....71.83	7.66	
32 31 23 00-0029			Vinyl Gates (32 31 23)		
32 31 23 00-0030			Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0029)		
			Note: Includes hinges.		
32 31 23 00-0031			3' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)		
32 31 23 00-0032	EA		3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set .....646.73	63.81	
			<i>For Self-Closing Hinge Set, Add</i> 14.50		
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> 38.50		
32 31 23 00-0033	EA		3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set .....686.21	67.00	
			<i>For Self-Closing Hinge Set, Add</i> 14.50		
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> 38.50		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0034 EA 3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	752.78 14.50 38.50	70.18
32 31 23 00-0035 EA 3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	843.43 14.50 38.50	73.37
32 31 23 00-0036 4' High Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0030)</small>		
32 31 23 00-0037 EA 4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	686.21 14.50 38.50	67.00
32 31 23 00-0038 EA 4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	710.65 14.50 38.50	70.18
32 31 23 00-0039 EA 4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	789.26 14.50 38.50	73.37
32 31 23 00-0040 EA 4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	925.04 14.50 38.50	76.56
32 31 23 00-0041 5' High Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0030)</small>		
32 31 23 00-0042 EA 5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	710.65 14.50 38.50	70.18
32 31 23 00-0043 EA 5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	741.11 14.50 38.50	73.37
32 31 23 00-0044 EA 5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	849.81 14.50 38.50	76.56
32 31 23 00-0045 EA 5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	991.61 14.50 38.50	79.75
32 31 23 00-0046 6' High Gates For Privacy And Semi-Privacy Fences <small>(32 31 23 00-0030)</small>		
32 31 23 00-0047 EA 6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	747.49 14.50 38.50	76.56
32 31 23 00-0048 EA 6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	777.94 14.50 38.50	79.75
32 31 23 00-0049 EA 6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	937.80 14.50 38.50	82.95
32 31 23 00-0050 EA 6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	1,034.46 14.50 38.50	82.95
32 31 23 00-0051 Gates For Picket Fences <small>(32 31 23 00-0029)</small> Note: Includes hinges.		
32 31 23 00-0052 3' High Gates For Picket Fences <small>(32 31 23 00-0051)</small>		
32 31 23 00-0053 EA 3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	619.65 14.50 38.50	63.81
32 31 23 00-0054 EA 3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	644.08 14.50 38.50	67.00
32 31 23 00-0055 EA 3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	722.69 14.50 38.50	70.18
32 31 23 00-0056 EA 3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	858.47 14.50 38.50	73.37
32 31 23 00-0057 4' High Gates For Picket Fences <small>(32 31 23 00-0051)</small>		
32 31 23 00-0058 EA 4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	626.03 14.50 38.50	67.00
32 31 23 00-0059 EA 4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	650.46 14.50 38.50	70.18
32 31 23 00-0060 EA 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	729.07 14.50 38.50	73.37
32 31 23 00-0061 EA 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set..... <i>For Self-Closing Hinge Set, Add</i> <i>For Self-Closing Stainless Steel Hinge Set, Add</i>	864.85 14.50 38.50	76.56

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0062 5' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0063 EA 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	650.46	70.18
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064 EA 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	680.92	73.37
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065 EA 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	789.62	76.56
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066 EA 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	931.42	79.75
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0067 6' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0068 EA 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	687.30	76.56
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069 EA 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	717.75	79.75
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070 EA 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	877.61	82.95
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071 EA 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	974.28	86.14
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0072 Gates Accessories (32 31 23 00-0029)		
32 31 23 00-0073 EA Gate Stop/Drop Rod	140.22	
32 31 23 00-0074 EA Latch Set.....	96.58	
32 31 23 00-0075 EA Stainless Steel Latch Set.....	140.22	
32 31 26 Wire Fences and Gates (32 31)		
32 31 26 13 Wire Fences with Steel Posts (32 31 26)		
32 31 26 13-0001 Chicken Wire (32 31 26 13)		
Note: Posts at 4'.		
32 31 26 13-0002 LF 4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.65	1.81
32 31 26 13-0003 LF 6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	9.42	1.81
32 31 26 13-0004 Wire And Screen (32 31 26 13)		
32 31 26 13-0005 Wire And Screen For Partitions And Fences (32 31 26 13-0004)		
Note: Excludes framing and post.		
32 31 26 13-0006 Screen Wire (32 31 26 13-0005)		
32 31 26 13-0007 LF Screen Wire, 48" Wide Rolls.....	15.10	1.28
32 31 26 13-0008 Hog Wire (32 31 26 13-0005)		
32 31 26 13-0009 SF 4" x 4" Hog Wire For Fencing	2.64	1.03
32 31 26 13-0010 SF 6" x 6" Hog Wire For Fencing	2.76	1.16
32 31 26 13-0011 Non-Climb Horse Fence (32 31 26 13-0005)		
32 31 26 13-0012 LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence	11.78	4.11
32 31 26 13-0013 LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence	15.10	5.14
32 31 26 13-0014 LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence	18.93	6.17
32 31 26 13-0015 Screen For Partitions And Ceilings (32 31 26 13-0004)		
Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016 SF 1" Mesh Chicken Wire	2.55	0.72
32 31 26 13-0017 Wicket Fence (32 31 26 13)		
32 31 26 13-0018 LF Steel Wicket Fence, Painted.....	89.98	5.25
32 31 29 Wood Fences and Gates (32 31)		
See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001 Basket Weave (32 31 29)		
Note: 3/8" x 4" boards, 4" x 4" post		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	44.28	3.63
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.59	
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	29.13	3.63
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.86	
32 31 29 00-0004 Board Fence <small>(32 31 29)</small>		
Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005 LF Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	28.50	3.63
<i>For 1" x 6" Boards, Deduct</i>	-2.98	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.70	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.84	
32 31 29 00-0006 LF Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	31.73	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.24	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.00	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.04	
32 31 29 00-0007 LF Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	35.46	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.47	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.23	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.24	
32 31 29 00-0008 LF Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	37.88	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.65	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.43	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.38	
32 31 29 00-0009 LF Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	40.49	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.83	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.64	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.53	
32 31 29 00-0010 LF Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	30.49	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.06	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.76	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.94	
32 31 29 00-0011 LF Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	33.26	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.30	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.05	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.11	
32 31 29 00-0012 LF Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	35.46	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.47	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.23	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.24	
32 31 29 00-0013 LF Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	37.88	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.65	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.43	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.38	
32 31 29 00-0014 LF Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	40.49	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.83	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.64	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.53	
32 31 29 00-0015 LF Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	30.49	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.06	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.76	
<i>For Fastening With Screws Instead Of Nails, Add</i>	1.94	
32 31 29 00-0016 LF Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	40.05	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.58	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.25	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.45	
32 31 29 00-0017 LF Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence.....	41.97	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.73	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.43	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.56	
32 31 29 00-0018 LF Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence.....	45.16	3.63
<i>For 1" x 6" Boards, Deduct</i>	-3.94	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.65	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.74	
32 31 29 00-0019 LF Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence.....	48.61	3.63
<i>For 1" x 6" Boards, Deduct</i>	-4.16	
<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.88	
<i>For Fastening With Screws Instead Of Nails, Add</i>	2.93	
32 31 29 00-0020 Shadow Box <small>(32 31 29)</small>		
Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	61.57	3.63
<i>For Fastening With Screws Instead Of Nails, Add</i>	3.46	
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	77.38	3.63
<i>For Fastening With Screws Instead Of Nails, Add</i>	4.32	
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	84.33	3.63
<i>For Fastening With Screws Instead Of Nails, Add</i>	4.68	
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	90.62	3.63
<i>For Fastening With Screws Instead Of Nails, Add</i>	5.03	
32 31 29 00-0025 Open Rail Fence <small>(32 31 29)</small>		
32 31 29 00-0026 Post And Rail Fence, Ranch Style <small>(32 31 29 00-0025)</small>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	28.55	3.63
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	22.24	3.63
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	33.85	3.63
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	24.01	3.63
32 31 29 00-0031 Split Rail Fence (32 31 29 00-0025)		
32 31 29 00-0032 LF Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	26.93	3.63
32 31 29 00-0033 LF Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	22.17	3.63
32 31 29 00-0034 LF Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	30.75	3.63
32 31 29 00-0035 LF Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	24.93	3.63
32 31 29 00-0036 Picket Fence (32 31 29)		
32 31 29 00-0037 LF Picket Fence, 2 Rail, 3' High, Pressure Treated For Fastening With Screws Instead Of Nails, Add	32.63 2.06	3.63
32 31 29 00-0038 LF Picket Fence, 2 Rail, 3' High #1 Cedar For Fastening With Screws Instead Of Nails, Add	30.46 1.96	3.63
32 31 29 00-0039 Wood Fence Post Accessories (32 31 29)		
32 31 29 00-0040 EA 3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	46.02	
32 31 29 00-0041 EA 4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	51.66	
32 31 29 00-0042 EA 6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	56.23	
32 31 29 00-0043 EA 8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	83.38	
32 31 29 00-0044 Wood Gate (32 31 29)		
32 31 29 00-0045 Board Fence Gates, Pressure Treated Wood (32 31 29 00-0044)		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	464.23	145.98
32 31 29 00-0047 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	512.75	154.74
32 31 29 00-0048 EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	572.96	169.34
32 31 29 00-0049 EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	649.05	178.09
32 31 29 00-0050 EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	725.14	186.85
32 31 29 00-0051 EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	592.10	192.70
32 31 29 00-0052 EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	644.09	201.45
32 31 29 00-0053 EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	696.05	210.21
32 31 29 00-0054 EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	782.47	218.97
32 31 29 00-0055 EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	851.68	227.72
32 31 29 00-0056 Board Fence Gates, Grade 2 Cedar (32 31 29 00-0044)		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057 EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	691.86	113.36
32 31 29 00-0058 EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	715.81	120.17
32 31 29 00-0059 EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	752.26	131.51
32 31 29 00-0060 EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	792.42	138.30
32 31 29 00-0061 EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	844.93	145.11
32 31 29 00-0062 EA >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	816.10	149.65
32 31 29 00-0063 EA >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	846.93	156.45
32 31 29 00-0064 EA >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	894.99	163.24
32 31 29 00-0065 EA >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	943.03	170.05
32 31 29 00-0066 EA >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	991.10	176.85
32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar (32 31 29 00-0044)		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068 EA 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	743.54	113.36
32 31 29 00-0069 EA 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	774.38	120.17
32 31 29 00-0070 EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	814.27	131.51
32 31 29 00-0071 EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	862.33	138.30
32 31 29 00-0072 EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	910.39	145.11
32 31 29 00-0073 EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	885.01	149.65
32 31 29 00-0074 EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	915.83	156.45
32 31 29 00-0075 EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	963.90	163.24
32 31 29 00-0076 EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	1,011.94	170.05
32 31 29 00-0077 EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	1,077.23	176.85
32 31 29 00-0078 Pressure Treated Wood Fence Posts (32 31 29)		
See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0076 for barbed wire, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0079 EA 4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	44.26	14.59
32 31 29 00-0080 EA 6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	49.70	14.59
32 31 29 00-0081 EA 4' High, Pressure Treated Wood Fence Posts, Set In Concrete.....	78.11	28.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0082 EA 6' High, Pressure Treated Wood Fence Posts, Set In Concrete	84.31	28.02
32 31 29 00-0083 Wood Utility Pole Fence <small>(32 31 29)</small> Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0084 LF Wood Utility Pole Barrier Fence..... Note: Includes notching post, drilling and pinned with #5 rebar.	55.22	3.63
32 31 29 00-0085 Wood Rail Fence <small>(32 31 29)</small> Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0086 LF 4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	28.15	3.63
32 31 34 Tubular Barrier Gates <small>(32 31)</small>		
32 31 34 00-0001 Tube Gate <small>(32 31 34)</small> See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0642 for gate accessories.		
32 31 34 00-0002 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate <small>(32 31 34 00-0001)</small> Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003 EA 4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	205.41	27.41
<i>For 13 Gauge Tubing, Add</i>	32.96	
<i>For Galvanized Finish, Add</i>	18.63	
32 31 34 00-0004 EA 6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	267.00	35.54
<i>For 13 Gauge Tubing, Add</i>	42.74	
<i>For Galvanized Finish, Add</i>	24.06	
32 31 34 00-0005 EA 8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	360.06	45.69
<i>For 13 Gauge Tubing, Add</i>	58.31	
<i>For Galvanized Finish, Add</i>	33.45	
32 31 34 00-0006 EA 10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	415.71	56.85
<i>For 13 Gauge Tubing, Add</i>	65.88	
<i>For Galvanized Finish, Add</i>	36.47	
32 31 34 00-0007 EA 12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	493.11	67.61
<i>For 13 Gauge Tubing, Add</i>	78.32	
<i>For Galvanized Finish, Add</i>	43.51	
32 31 34 00-0008 EA 14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	538.62	76.14
<i>For 13 Gauge Tubing, Add</i>	84.88	
<i>For Galvanized Finish, Add</i>	46.53	
32 31 34 00-0009 EA 16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	632.27	87.82
<i>For 13 Gauge Tubing, Add</i>	100.06	
<i>For Galvanized Finish, Add</i>	55.25	
32 31 34 00-0010 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <small>(32 31 34 00-0001)</small> Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011 EA 4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	267.65	27.41
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	74.57	
32 31 34 00-0012 EA 6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	320.55	35.54
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	85.58	
32 31 34 00-0013 EA 8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	383.36	45.69
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	98.52	
32 31 34 00-0014 EA 10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	442.25	56.85
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	107.86	
32 31 34 00-0015 EA 12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	501.80	67.61
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	119.50	
32 31 34 00-0016 EA 14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	556.03	76.14
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	131.04	
32 31 34 00-0017 EA 16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	621.37	87.82
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	142.97	
32 31 34 00-0018 EA 18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	713.84	98.83
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	165.74	
32 31 34 00-0019 EA 20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	794.33	110.56
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	195.90	
32 31 34 00-0020 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate <small>(32 31 34 00-0001)</small> Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021 EA 4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	289.49	27.41
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	83.31	
32 31 34 00-0022 EA 6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	342.02	35.54
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	94.17	
32 31 34 00-0023 EA 8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	397.92	45.69
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	104.34	
32 31 34 00-0024 EA 10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	463.48	56.85
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	116.36	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0025 EA 12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....517.15 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 125.64	517.15	67.61
32 31 34 00-0026 EA 14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....591.86 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 145.37	591.86	76.14
32 31 34 00-0027 EA 16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....660.28 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 158.53	660.28	87.82
32 31 34 00-0028 EA 18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....773.21 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 189.49	773.21	98.83
32 31 34 00-0029 EA 20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....847.71 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 217.26	847.71	110.56
32 31 34 00-0030 Tubular Steel Barrier Gate (Triangular Shape) (32 31 34 00-0001) Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post .....2,257.11 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 742.42	2,257.11	56.85
32 31 34 00-0032 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post .....2,448.47 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 796.05	2,448.47	67.61
32 31 34 00-0033 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post .....2,900.69 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 956.64	2,900.69	76.14
32 31 34 00-0034 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post .....2,342.59 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 776.30	2,342.59	56.85
32 31 34 00-0035 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post .....2,546.14 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 834.76	2,546.14	67.61
32 31 34 00-0036 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post .....2,998.38 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 995.34	2,998.38	76.14
32 31 34 00-0037 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing (32 31 34 00-0001) Note: Excludes augering holes and concrete.		
32 31 34 00-0038 EA 4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts .....466.57 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 40.44	466.57	27.41
32 31 34 00-0039 Tubular Horse Gate (32 31 34 00-0001) Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 34 00-0040 EA 5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts .....3,498.35 <i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i> 1,013.55	3,498.35	27.41
32 31 34 00-0041 Pipe Gate (32 31 34) Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0042 EA 20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....4,107.10	4,107.10	
32 31 34 00-0043 EA 25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....5,137.74	5,137.74	
32 31 34 00-0044 EA 30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....6,123.24	6,123.24	
32 31 41 Precast Concrete Fences (32 31)		
32 31 41 00-0001 Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. (32 31 41) Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002 LF Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury .....69.69 Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.	69.69	3.63
32 31 56 Wild Life Deterrent Fence (32 31)		
32 31 56 00-0001 Barbed Wire Fences (32 31 56) Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002 Fence Posts (32 31 56 00-0001)		
32 31 56 00-0003 Fence Post Soil, Set In Concrete (32 31 56 00-0002)		
32 31 56 00-0004 EA Barbed Wire Fence Post, Galvanized Set In Concrete In Soil .....103.29 <i>For Bracing On Corner Post, End Post And Pull Post, Add</i> 166.74	103.29	8.12
32 31 56 00-0005 EA Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil .....139.43 <i>For Bracing On Corner Post, End Post And Pull Post, Add</i> 227.10	139.43	8.12
32 31 56 00-0006 Post In Rock (32 31 56 00-0002)		
32 31 56 00-0007 EA Barbed Wire Fence Post, Galvanized Grouted In Rock .....101.51 <i>For Bracing On Corner Post, End Post And Pull Post, Add</i> 164.07	101.51	8.12
32 31 56 00-0008 EA Barbed Wire Fence Post, Vinyl Coated Grouted In Rock .....137.65 <i>For Bracing On Corner Post, End Post And Pull Post, Add</i> 224.43	137.65	8.12
32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish (32 31 56 00-0001) Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010 EA 5' Studded Steel T-Post, Driven Into Earth .....26.66	26.66	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth.....	27.31	
	32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth.....	28.57	
	32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth.....	29.83	
	32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth.....	31.49	
	32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth.....	35.51	
	32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth.....	43.38	
	32 31 56 00-0017		Barbed Wire (32 31 56 00-0001) Note: Per strand.		
	32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand.....	0.90	0.41
	32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand.....	1.04	0.41
	32 31 56 00-0020		Barbed Wire Fence, Farm Style, With Wood Posts (32 31 56 00-0001) Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
	32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts..... Note: Posts at 10' maximum.	12.35	2.64
	32 32 Retaining Walls (32 30)				
	32 32 13		Cast-In-Place Concrete Retaining Wall (32 32)		
			Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
	32 32 13 00-0001		Concrete Retaining Walls (32 32 13) Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
	32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	384.07 8.35	142.97
	32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	478.80 10.78	175.94
	32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	521.28 12.05	189.77
	32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	663.06 16.48	234.65
	32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	764.05 19.12	269.52
	32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	1,106.06 26.81	395.40
	32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	1,518.84 36.30	545.87
	32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	421.94 9.32	156.14
	32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	516.06 11.89	188.13
	32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	546.05 13.04	196.31
	32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	750.24 19.04	263.09
	32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	951.86 23.46	337.94
	32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	1,428.05 34.31	512.24
	32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall..... For >3:1 Sloped Soil At Top, Add	2,015.44 48.39	723.05
	32 32 16		Precast Concrete Retaining Walls (32 32)		
	32 32 16 00-0001		Precast Retaining Walls (32 32 16) Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
	32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls.....	98.28	14.84
	32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls.....	100.74	11.92
	32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls.....	104.33	9.94
	32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls.....	112.77	9.94
	32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls.....	119.19	8.48
	32 32 23		Segmental Retaining Walls (32 32)		
	32 32 23 13		Segmental Concrete Unit Masonry Retaining Walls (32 32 23)		
	32 32 23 13-0001		Modular Retaining Wall Systems (32 32 23 13) Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
	32 32 23 13-0002		"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
	32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System..... For >3:1 Sloped Soil At Top, Add	67.85 4.20	9.22

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0004	SF		4 To 8' Height "Amastone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	71.59 4.43	9.71
32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	74.70 4.53	10.68
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	77.99 4.65	11.65
32 32 23 13-0007			"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	70.43 4.42	9.22
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	74.17 4.65	9.71
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	77.28 4.75	10.68
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	80.58 4.87	11.65
32 32 23 13-0012			"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	76.60 4.94	9.22
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	80.34 5.18	9.71
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	83.45 5.28	10.68
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	86.75 5.39	11.65
32 32 23 13-0017			"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	67.85 4.20 0.25	9.22
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	71.59 4.43 0.25	9.71
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	74.70 4.53 0.25	10.68
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	77.99 4.65 0.25	11.65
32 32 23 13-0022			"Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0023	SF		Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	60.02 3.53	9.22
32 32 23 13-0024	SF		4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	66.33 3.99	9.71
32 32 23 13-0025	SF		8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	69.49 4.09	10.68
32 32 23 13-0026	SF		12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System <i>For >3:1 Sloped Soil At Top, Add</i>	72.30 4.17	11.65
32 32 23 13-0027			Retaining Wall Cap Block Restoration (32 32 23 13-0001) Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF		Removal And Reinstall Retaining Wall Cap Block And Pins <i>For >3:1 Sloped Soil At Top, Add</i>	35.77 1.84	
32 32 26			Metal Crib Retaining Walls (32 32)		
32 32 26 00-0001			Bin Type Retaining Wall (32 32 26)		
32 32 26 00-0002			Vertical Bin Walls (32 32 26 00-0001) Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF		5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	74.73	
32 32 26 00-0004	SF		7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	88.72	
32 32 26 00-0005	SF		9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	103.39	
32 32 26 00-0006	SF		12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	111.78	
32 32 26 00-0007	SF		14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	124.81	
32 32 26 00-0008	SF		16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	133.21	
32 32 26 00-0009			Battered Bin Walls (32 32 26 00-0001) Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF		5.5' Battered Bin Retain Wall, Wall Heights To 11'	66.25	
32 32 26 00-0011	SF		7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	71.84	
32 32 26 00-0012	SF		9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	80.83	
32 32 26 00-0013	SF		12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	90.62	
32 32 26 00-0014	SF		14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	106.05	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				32 32 26 00-0015 SF 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'.....	108.85	
				32 32 26 00-0016 Aluminized Steel Bin <small>(32 32 26)</small>		
				Note: Excludes excavation and backfill.		
				32 32 26 00-0017 SF 4' High, 5.5' Deep Aluminized Steel Bin.....	50.05	4.99
				For >3:1 Sloped Soil At Top, Add	3.41	
				For Galvanized Type, Deduct	-4.01	
				32 32 26 00-0018 SF 8' High, 5.5' Deep Aluminized Steel Bin.....	56.23	4.99
				For >3:1 Sloped Soil At Top, Add	3.92	
				For Galvanized Type, Deduct	-4.62	
				32 32 26 00-0019 SF 10' High, 7.7' Deep Aluminized Steel Bin.....	60.03	5.45
				For >3:1 Sloped Soil At Top, Add	4.18	
				For Galvanized Type, Deduct	-4.92	
				32 32 26 00-0020 SF 12' High, 7.7' Deep Aluminized Steel Bin.....	68.40	6.15
				For >3:1 Sloped Soil At Top, Add	4.77	
				For Galvanized Type, Deduct	-5.61	
				32 32 26 00-0021 SF 16' High, 7.7' Deep Aluminized Steel Bin.....	65.73	6.39
				For >3:1 Sloped Soil At Top, Add	4.51	
				For Galvanized Type, Deduct	-5.31	
				32 32 26 00-0022 SF 16' High, 9.9' Deep Aluminized Steel Bin.....	73.47	6.50
				For >3:1 Sloped Soil At Top, Add	5.15	
				For Galvanized Type, Deduct	-6.06	
				32 32 26 00-0023 SF 20' High, 9.9' Deep Aluminized Steel Bin.....	81.58	6.85
				For >3:1 Sloped Soil At Top, Add	5.76	
				For Galvanized Type, Deduct	-6.78	
				32 32 26 00-0024 SF 20' High, 12.1' Deep Aluminized Steel Bin.....	83.50	7.20
				For >3:1 Sloped Soil At Top, Add	5.88	
				For Galvanized Type, Deduct	-6.92	
				32 32 26 00-0025 SF 24' High, 12.1' Deep Aluminized Steel Bin.....	87.95	7.20
				For >3:1 Sloped Soil At Top, Add	6.25	
				For Galvanized Type, Deduct	-7.36	
				32 32 26 00-0026 SF 24' High, 14.3' Deep Aluminized Steel Bin.....	92.38	7.32
				For >3:1 Sloped Soil At Top, Add	6.62	
				For Galvanized Type, Deduct	-7.79	
				32 32 26 00-0027 SF 28' High, 14.3' Deep Aluminized Steel Bin.....	95.52	7.43
				For >3:1 Sloped Soil At Top, Add	6.86	
				For Galvanized Type, Deduct	-8.08	
				32 32 29 Timber Retaining Walls <small>(32 32)</small>		
				32 32 29 00-0001 Wood Post Retaining Walls <small>(32 32 29)</small>		
				Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
				32 32 29 00-0002 LF 4" x 4", 1' High, Redwood, Wood Post Retaining Walls.....	89.79	31.84
				For >3:1 Sloped Soil At Top, Add	2.23	
				32 32 29 00-0003 LF 4" x 4", 2' High, Redwood, Wood Post Retaining Walls.....	175.72	62.35
				For >3:1 Sloped Soil At Top, Add	4.34	
				32 32 29 00-0004 LF 4" x 4", 1' High, Cedar, Wood Post Retaining Walls.....	86.44	31.84
				For >3:1 Sloped Soil At Top, Add	1.94	
				32 32 29 00-0005 LF 4" x 4", 2' High, Cedar, Wood Post Retaining Walls.....	169.21	62.35
				For >3:1 Sloped Soil At Top, Add	3.79	
				32 32 29 00-0006 LF 4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	84.58	27.82
				For >3:1 Sloped Soil At Top, Add	2.45	
				32 32 29 00-0007 LF 4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	165.58	54.41
				For >3:1 Sloped Soil At Top, Add	4.82	
				32 32 29 00-0008 LF 4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls.....	71.53	24.69
				For >3:1 Sloped Soil At Top, Add	1.88	
				32 32 29 00-0009 LF 4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	129.34	44.69
				For >3:1 Sloped Soil At Top, Add	3.40	
				32 32 29 00-0010 LF 6" x 6", 2' High, Redwood, Wood Post Retaining Walls.....	236.53	75.53
				For >3:1 Sloped Soil At Top, Add	7.27	
				32 32 29 00-0011 LF 6" x 6", 4' High, Redwood, Wood Post Retaining Walls.....	466.96	148.04
				For >3:1 Sloped Soil At Top, Add	14.53	
				32 32 29 00-0012 LF 6" x 6", 2' High, Cedar, Wood Post Retaining Walls.....	232.82	75.53
				For >3:1 Sloped Soil At Top, Add	6.95	
				32 32 29 00-0013 LF 6" x 6", 4' High, Cedar, Wood Post Retaining Walls.....	457.66	148.04
				For >3:1 Sloped Soil At Top, Add	13.74	
				32 32 29 00-0014 LF 6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	214.69	61.34
				For >3:1 Sloped Soil At Top, Add	7.82	
				32 32 29 00-0015 LF 6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls.....	426.24	121.12
				For >3:1 Sloped Soil At Top, Add	15.63	
				32 32 29 00-0016 LF 6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls.....	162.32	49.05
				For >3:1 Sloped Soil At Top, Add	5.45	
				32 32 29 00-0017 LF 6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	319.25	95.97
				For >3:1 Sloped Soil At Top, Add	10.82	
				32 32 29 00-0018 LF 8" x 8", 4' High, Redwood, Wood Post Retaining Walls.....	582.06	163.69
				For >3:1 Sloped Soil At Top, Add	21.64	
				32 32 29 00-0019 LF 8" x 8", 6' High, Redwood, Wood Post Retaining Walls.....	1,088.73	305.59
				For >3:1 Sloped Soil At Top, Add	40.60	
				32 32 29 00-0020 LF 8" x 8", 4' High, Cedar, Wood Post Retaining Walls.....	563.47	163.69
				For >3:1 Sloped Soil At Top, Add	20.06	
				32 32 29 00-0021 LF 8" x 8", 6' High, Cedar, Wood Post Retaining Walls.....	1,053.42	305.59
				For >3:1 Sloped Soil At Top, Add	37.60	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0022	LF		8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	595.82	188.82
			<i>For >3:1 Sloped Soil At Top, Add</i>	18.54	
32 32 29 00-0023	LF		8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,111.62	352.62
			<i>For >3:1 Sloped Soil At Top, Add</i>	34.54	
32 32 29 00-0024	LF		8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls.....	458.56	152.63
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.03	
32 32 29 00-0025	LF		8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls.....	850.51	283.13
			<i>For >3:1 Sloped Soil At Top, Add</i>	24.17	
32 32 29 00-0026	LF		4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	172.36	62.90
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.95	
32 32 29 00-0027	LF		6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	257.62	94.41
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.85	
32 32 29 00-0028	LF		8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls.....	342.76	125.80
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.74	
32 32 29 00-0029	LF		4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	116.66	35.53
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.87	
32 32 29 00-0030	LF		6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	169.51	51.28
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.69	
32 32 29 00-0031	LF		8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls.....	229.54	69.28
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.74	

32 32 29 00-0032 Post And Board Retaining Walls ^(32 32 29)

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF		4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	71.50	18.88
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.87	
32 32 29 00-0034	LF		4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	110.05	32.29
			<i>For >3:1 Sloped Soil At Top, Add</i>	3.87	
32 32 29 00-0035	LF		6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls.....	144.39	40.11
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.45	
32 32 29 00-0036	LF		6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	201.91	56.87
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.50	
32 32 29 00-0037	LF		6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	264.07	73.96
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.87	
32 32 29 00-0038	LF		8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls.....	541.75	146.37
			<i>For >3:1 Sloped Soil At Top, Add</i>	21.17	
32 32 29 00-0039	LF		8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	612.24	162.12
			<i>For >3:1 Sloped Soil At Top, Add</i>	24.49	
32 32 29 00-0040	LF		4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	72.61	19.66
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.83	
32 32 29 00-0041	LF		4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls.....	127.48	34.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.90	
32 32 29 00-0042	LF		6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	125.31	34.30
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.82	
32 32 29 00-0043	LF		6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	175.65	49.27
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.56	
32 32 29 00-0044	LF		6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	273.54	78.66
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.87	
32 32 29 00-0045	LF		6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar.....	216.56	60.45
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.14	
32 32 29 00-0046	LF		8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar.....	560.41	151.06
			<i>For >3:1 Sloped Soil At Top, Add</i>	21.96	
32 32 29 00-0047	LF		4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	91.76	36.31
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.62	
32 32 29 00-0048	LF		4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	132.71	51.62
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.50	
32 32 29 00-0049	LF		4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	192.73	70.84
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.34	
32 32 29 00-0050	LF		6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	338.58	119.55
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.45	
32 32 29 00-0051	LF		6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	343.23	119.55
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.85	
32 32 29 00-0052	LF		6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat.....	322.70	114.86
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.90	
32 32 29 00-0053	LF		8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	758.86	264.24
			<i>For >3:1 Sloped Soil At Top, Add</i>	19.59	
32 32 29 00-0054	LF		4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	91.76	36.31
			<i>For >3:1 Sloped Soil At Top, Add</i>	1.62	
32 32 29 00-0055	LF		4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	132.71	51.62
			<i>For >3:1 Sloped Soil At Top, Add</i>	2.50	
32 32 29 00-0056	LF		4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	192.73	70.84
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.34	
32 32 29 00-0057	LF		6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	242.21	88.15
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.61	
32 32 29 00-0058	LF		6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	338.58	119.55
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.45	
32 32 29 00-0059	LF		6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	322.70	114.86
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.90	
32 32 29 00-0060	LF		8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls.....	758.86	264.24
			<i>For >3:1 Sloped Soil At Top, Add</i>	19.59	



Exterior Improvements	32	32
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' (32 32 29)
 Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood (32 32 29 00-0061)

32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall	122.01	38.66
For >3:1 Sloped Soil At Top, Add	3.79	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	278.45	88.15
For >3:1 Sloped Soil At Top, Add	8.69	
32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	416.82	132.18
For >3:1 Sloped Soil At Top, Add	12.95	
32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	403.12	113.29
For >3:1 Sloped Soil At Top, Add	15.01	
32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	605.75	169.94
For >3:1 Sloped Soil At Top, Add	22.59	
32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	799.99	223.46
For >3:1 Sloped Soil At Top, Add	30.02	

32 32 29 00-0069 Cedar (32 32 29 00-0061)

32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall	120.16	38.66
For >3:1 Sloped Soil At Top, Add	3.63	
32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	272.87	88.15
For >3:1 Sloped Soil At Top, Add	8.21	
32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	409.39	132.18
For >3:1 Sloped Soil At Top, Add	12.32	
32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	390.11	113.29
For >3:1 Sloped Soil At Top, Add	13.90	
32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	587.17	169.94
For >3:1 Sloped Soil At Top, Add	21.01	
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	773.97	223.46
For >3:1 Sloped Soil At Top, Add	27.80	

32 32 29 00-0076 Creosoted Wood (32 32 29 00-0061)

32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall	134.29	51.28
For >3:1 Sloped Soil At Top, Add	2.69	
32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'	307.61	117.99
For >3:1 Sloped Soil At Top, Add	6.08	
32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'	456.17	174.63
For >3:1 Sloped Soil At Top, Add	9.08	
32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'	618.27	237.54
For >3:1 Sloped Soil At Top, Add	12.16	
32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'	900.20	346.03
For >3:1 Sloped Soil At Top, Add	17.69	
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'	1,194.50	458.77
For >3:1 Sloped Soil At Top, Add	23.54	

32 32 29 00-0083 Pressure Treated Wood (32 32 29 00-0061)

32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall	105.81	31.96
For >3:1 Sloped Soil At Top, Add	3.56	
32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	240.47	72.40
For >3:1 Sloped Soil At Top, Add	8.14	
32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	360.25	108.60
For >3:1 Sloped Soil At Top, Add	12.16	
32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	392.15	130.62
For >3:1 Sloped Soil At Top, Add	11.14	
32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	589.15	195.20
For >3:1 Sloped Soil At Top, Add	16.90	
32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	781.08	259.55
For >3:1 Sloped Soil At Top, Add	22.27	

32 32 53 Stone Retaining Walls (32 32)

32 32 53 00-0001 Stone Retaining Walls (32 32 53)
 Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)
 Note: Stone at \$16.00/ton.

32 32 53 00-0003 LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set	487.94	218.49
For >3:1 Sloped Soil At Top, Add	4.32	
32 32 53 00-0004 LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set	575.53	259.94
For >3:1 Sloped Soil At Top, Add	4.73	
32 32 53 00-0005 LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set	755.75	345.35
For >3:1 Sloped Soil At Top, Add	5.53	
32 32 53 00-0006 LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,164.00	539.98
For >3:1 Sloped Soil At Top, Add	7.14	
32 32 53 00-0007 LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,512.12	706.34
For >3:1 Sloped Soil At Top, Add	8.45	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0008	LF		\$16.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,876.39	879.61
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.96	
32 32 53 00-0009	LF		\$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	437.76	193.45
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.32	
32 32 53 00-0010	LF		\$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	513.41	228.88
			<i>For >3:1 Sloped Soil At Top, Add</i>	4.73	
32 32 53 00-0011	LF		\$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	664.05	299.44
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.53	
32 32 53 00-0012	LF		\$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,016.40	466.20
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.14	
32 32 53 00-0013	LF		\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,305.08	602.87
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.45	
32 32 53 00-0014	LF		\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,621.01	751.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	9.96	
32 32 53 00-0015			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$32.00/ton.		
32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set.....	503.32	218.49
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.63	
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set.....	596.83	259.94
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.54	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set.....	786.50	345.35
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.14	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,208.96	539.98
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.96	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,573.64	706.34
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.68	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,954.47	879.61
			<i>For >3:1 Sloped Soil At Top, Add</i>	16.59	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	453.14	193.45
			<i>For >3:1 Sloped Soil At Top, Add</i>	5.63	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	534.71	228.88
			<i>For >3:1 Sloped Soil At Top, Add</i>	6.54	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	694.80	299.44
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.14	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,061.36	466.20
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.96	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,366.60	602.87
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.68	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,699.09	751.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	16.59	
32 32 53 00-0028			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$48.00/ton.		
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	519.88	218.49
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.04	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	617.88	259.94
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.33	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	816.08	345.35
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.66	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,253.91	539.98
			<i>For >3:1 Sloped Soil At Top, Add</i>	14.78	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,635.16	706.34
			<i>For >3:1 Sloped Soil At Top, Add</i>	18.90	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	2,033.73	879.61
			<i>For >3:1 Sloped Soil At Top, Add</i>	23.33	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	469.70	193.45
			<i>For >3:1 Sloped Soil At Top, Add</i>	7.04	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	556.00	228.88
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.35	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	724.38	299.44
			<i>For >3:1 Sloped Soil At Top, Add</i>	10.66	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,106.31	466.20
			<i>For >3:1 Sloped Soil At Top, Add</i>	14.78	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,428.12	602.87
			<i>For >3:1 Sloped Soil At Top, Add</i>	18.90	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,778.35	751.97
			<i>For >3:1 Sloped Soil At Top, Add</i>	23.33	
32 32 53 00-0041			Stone Retaining Walls (32 32 53 00-0001)		
			Note: Stone at \$64.00/ton.		
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	536.44	218.49
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.45	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	615.75	259.94
			<i>For >3:1 Sloped Soil At Top, Add</i>	8.14	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	848.02	345.35
			<i>For >3:1 Sloped Soil At Top, Add</i>	13.37	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,301.23	539.98
			<i>For >3:1 Sloped Soil At Top, Add</i>	18.80	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,699.04	706.34
			<i>For >3:1 Sloped Soil At Top, Add</i>	24.33	



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	2,114.17 30.17	879.61
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	486.26 8.45	193.45
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	577.29 10.16	228.88
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	756.32 13.37	299.44
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,153.63 18.80	466.20
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,492.00 24.33	602.87
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,858.79 30.17	751.97

32 33 Site Furnishings (32 30)

32 33 13 Site Bicycle Racks (32 33)

32 33 13 00-0001	Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002	Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003	Double Sided (32 33 13 00-0002)		
32 33 13 00-0004 EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	785.22	126.98
32 33 13 00-0005 EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,181.66	208.60
32 33 13 00-0006 EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,041.95	317.43
32 33 13 00-0007	Single Sided (32 33 13 00-0002)		
32 33 13 00-0008 EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	687.13	113.37
32 33 13 00-0009 EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	968.17	188.65
32 33 13 00-0010 EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,664.35	283.42
32 33 13 00-0011	Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012 PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	126.65	
32 33 13 00-0013	Bike Racks Ground Loop (32 33 13 00-0001)		
32 33 13 00-0014 EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes Note: In-ground mount.	1,024.75	222.47
32 33 13 00-0015	Serpentine Bike Racks (32 33 13 00-0001)		
32 33 13 00-0016	Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017 EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	563.15	136.04
32 33 13 00-0018 EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	772.75	147.38
32 33 13 00-0019 EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	982.35	158.71
32 33 13 00-0020 EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,218.66	170.05
32 33 13 00-0021 EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,454.96	181.39
32 33 13 00-0022 EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,584.44	192.72
32 33 13 00-0023	Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024 EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	641.44	136.04
32 33 13 00-0025 EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	829.20	147.38
32 33 13 00-0026 EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,016.94	158.71
32 33 13 00-0027 EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,184.07	170.05
32 33 13 00-0028 EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,371.81	181.39
32 33 13 00-0029 EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,600.83	192.72
32 33 13 00-0030	Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0031 EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	563.15	136.04
32 33 13 00-0032 EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	772.75	147.38
32 33 13 00-0033 EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	982.35	158.71
32 33 13 00-0034 EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,218.66	170.05
32 33 13 00-0035 EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,454.96	181.39
32 33 13 00-0036 EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,584.44	192.72
32 33 13 00-0037	Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0038 EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	662.07	136.04
32 33 13 00-0039 EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	870.47	147.38
32 33 13 00-0040 EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,058.21	158.71
32 33 13 00-0041 EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,287.24	170.05
32 33 13 00-0042 EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,474.98	181.39

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0043 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,724.64	192.72
32 33 13 00-0044 Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0045 EA 1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,089.19	136.04
32 33 13 00-0046 EA 3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,636.59	147.38
32 33 13 00-0047 EA 5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,184.01	158.71
32 33 13 00-0048 EA 7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,806.41	170.05
32 33 13 00-0049 EA 9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,428.77	181.39
32 33 13 00-0050 EA 11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,751.29	192.72
32 33 13 00-0051 Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0052 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	847.79	136.04
32 33 13 00-0053 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,902.20	147.38
32 33 13 00-0054 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,502.63	158.71
32 33 13 00-0055 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,061.81	170.05
32 33 13 00-0056 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,641.62	181.39
32 33 13 00-0057 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,242.06	192.72
32 33 13 00-0058 Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)		
Note: In-ground mount.		
32 33 13 00-0059 EA 43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	634.80	102.03
32 33 23 Site Trash and Litter Receptacles (32 33)		
32 33 23 00-0001 Steel Trash Containment (32 33 23)		
32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood (32 33 23 00-0001)		
32 33 23 00-0003 EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	544.84	54.00
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	519.85	54.00
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	519.85	54.00
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	491.73	54.00
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	544.84	54.00
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	491.73	54.00
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	676.03	54.00
32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel (32 33 23 00-0001)		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	990.39	54.00
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,069.78	54.00
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,069.78	54.00
32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames (32 33 23 00-0001)		
Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,466.69	54.00
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,580.10	54.00
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,821.08	54.00
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,650.98	54.00
32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated (32 33 23 00-0001)		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,310.76	54.00
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,424.17	54.00
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,665.15	54.00
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,509.22	54.00
32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire (32 33 23 00-0001)		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,041.42	54.00
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,154.83	54.00
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,395.81	54.00
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,239.88	54.00
32 33 23 00-0029 Litter Baskets (32 33 23)		
32 33 23 00-0030 Round Wire Litter Baskets (32 33 23 00-0029)		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket	184.19	5.49
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket	232.70	5.49
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket	315.01	5.49
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket	361.46	5.49
32 33 23 00-0035 Trash Can/Wire Basket Holder (32 33 23 00-0029)		
32 33 23 00-0036 EA Steel Post, Single Holder	259.84	44.10



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0037	EA		Steel Post, Double Holder	352.68	44.10
32 33 23 00-0038	EA		Redwood Post, Single Holder.....	129.08	44.10
32 33 23 00-0039	EA		Redwood Post, Double Holder.....	147.85	44.10
32 33 23 00-0040			Litter Receptacles, Freestanding <small>(32 33 23 00-0029)</small>		
			Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA		16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,481.93	22.49
			For Powder Coated Sand Pan, Add	50.00	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
32 33 23 00-0042	EA		16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,560.02	22.49
			For Powder Coated Sand Pan, Add	50.00	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
32 33 23 00-0043	EA		20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,816.79	33.74
			For Powder Coated Sand Pan, Add	50.00	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
32 33 23 00-0044	EA		20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,894.89	33.74
			For Powder Coated Sand Pan, Add	50.00	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
32 33 23 00-0045	EA		16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	1,972.98	33.74
			For Powder Coated Sand Pan, Add	50.00	
			For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
32 33 23 00-0046	EA		16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,051.08	33.74
			For Powder Coated Sand Pan, Add	50.00	
			For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
32 33 23 00-0047	EA		16" Diameter x 28" High Litter Receptacle, Wall Mount.....	1,636.00	29.25
			For Powder Coated Sand Pan, Add	50.00	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
			For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0048	EA		16" Diameter x 32" High Litter Receptacle, Wall Mount.....	1,714.09	29.25
			For Powder Coated Sand Pan, Add	50.00	
			For Orange Peel Lid, Add	25.00	
			For Polished Granite Lid, Add	50.00	
			For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0049			Ash Receptacles <small>(32 33 23)</small>		
32 33 23 00-0050	EA		12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	603.45	22.49
			For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
			For Sand Pan, Add	110.00	
			For Bowl And Funnel, Add	120.00	
32 33 23 00-0051	EA		18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	257.25	22.49
32 33 23 00-0052			Trash Receptacles <small>(32 33 23)</small>		
32 33 23 00-0053	EA		Outdoor Covered Steel Receptacle With Liner	1,216.41	22.49
32 33 23 00-0054	EA		Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	378.48	22.49
32 33 23 00-0055	EA		24" x 24" Square Trash Containment With Exposed Aggregate Finish	650.98	22.49
32 33 23 00-0056	EA		30" x 30" Square Trash Containment With Exposed Aggregate Finish	679.24	24.74
32 33 23 00-0057	EA		36" x 36" Square Trash Containment With Exposed Aggregate Finish	731.26	27.00
32 33 23 00-0058	EA		32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	598.69	18.00
32 33 23 00-0059	EA		32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	715.92	18.00
32 33 23 00-0060	EA		24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	1,216.23	22.49
32 33 23 00-0061			Trash Containers (Dumpsters) <small>(32 33 23)</small>		
32 33 23 00-0062	EA		1 CY Straight Side Trash Dumpster.....	302.15	
32 33 23 00-0063	EA		1.5 CY Straight Side Trash Dumpster.....	453.23	
32 33 23 00-0064	EA		2 CY Straight Side Trash Dumpster.....	604.30	
32 33 23 00-0065	EA		2 CY Sloped Side Trash Dumpster.....	604.30	
32 33 23 00-0066	EA		3 CY Sloped Side Trash Dumpster.....	906.45	
32 33 23 00-0067	EA		4 CY Sloped Side Trash Dumpster.....	1,208.61	
32 33 23 00-0068	EA		6 CY Sloped Side Trash Dumpster.....	1,812.91	
32 33 23 00-0069	EA		8 CY Sloped Side Trash Dumpster.....	2,417.21	
32 33 33			Site Manufactured Planters <small>(32 33)</small>		
32 33 33 00-0001			Precast Concrete Planters <small>(32 33 33)</small>		
32 33 33 00-0002			Circular Precast Concrete Planters <small>(32 33 33 00-0001)</small>		

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0003 EA 24" Diameter, 17" Height, Circular Precast Concrete Planter	817.30	27.57
32 33 33 00-0004 EA 24" Diameter, 24" Height, Circular Precast Concrete Planter	915.00	33.09
32 33 33 00-0005 EA 24" Diameter, 33" Height, Circular Precast Concrete Planter	1,001.66	33.09
32 33 33 00-0006 EA 30" Diameter, 17" Height, Circular Precast Concrete Planter	1,086.61	38.60
32 33 33 00-0007 EA 30" Diameter, 30" Height, Circular Precast Concrete Planter	1,315.14	49.62
32 33 33 00-0008 EA 36" Diameter, 24" Height, Circular Precast Concrete Planter	1,432.39	49.62
32 33 33 00-0009 EA 36" Diameter, 30" Height, Circular Precast Concrete Planter	1,614.21	55.14
32 33 33 00-0010 EA 48" Diameter, 17" Height, Circular Precast Concrete Planter	1,705.97	55.14
32 33 33 00-0011 EA 48" Diameter, 24" Height, Circular Precast Concrete Planter	1,899.23	68.93
32 33 33 00-0012 EA 48" Diameter, 30" Height, Circular Precast Concrete Planter	2,020.21	73.33
32 33 33 00-0013 EA 48" Diameter, 36" Height, Circular Precast Concrete Planter	2,104.40	77.19
32 33 33 00-0014 EA 60" Diameter, 17" Height, Circular Precast Concrete Planter	1,911.09	68.93
32 33 33 00-0015 EA 60" Diameter, 24" Height, Circular Precast Concrete Planter	2,101.85	77.19
32 33 33 00-0016 EA 60" Diameter, 36" Height, Circular Precast Concrete Planter	2,696.61	82.71
32 33 33 00-0017 EA 72" Diameter, 36" Height, Circular Precast Concrete Planter	3,500.34	104.76
32 33 33 00-0018 EA 84" Diameter, 36" Height, Circular Precast Concrete Planter	4,069.60	110.28
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0020 EA 36" Square, 30" Height, Square Precast Concrete Planter	1,643.96	71.68
32 33 33 00-0021 EA 42" Square, 30" Height, Square Precast Concrete Planter	1,883.30	77.19
32 33 33 00-0022 EA 60" Square, 36" Height, Square Precast Concrete Planter	2,982.93	88.22
32 33 33 00-0023 EA 72" Square, 36" Height, Square Precast Concrete Planter	3,182.58	93.74
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0025 EA 33" x 18", 20" Height, Rectangular Precast Concrete Planter	953.23	33.09
32 33 33 00-0026 EA 48" x 18", 20" Height, Rectangular Precast Concrete Planter	1,116.31	49.62
32 33 33 00-0027 EA 60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,295.58	55.14
32 33 33 00-0028 EA 72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,473.54	68.93
32 33 33 00-0029 Fiberglass Planters (32 33 33)		
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031 EA 36" Diameter, 27" High, Circular Fiberglass Planter	2,021.39	27.57
32 33 33 00-0032 EA 60" Diameter, 39" High, Circular Fiberglass Planter	3,376.49	27.57
32 33 33 00-0033 EA 36" Diameter, 24" High, Circular Fiberglass Planter	1,341.41	27.57
32 33 33 00-0034 EA 60" Diameter, 24" High, Circular Fiberglass Planter	2,662.13	27.57
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036 EA 24" Diameter, 20" High, Tapered Circular Fiberglass Planter	775.02	27.57
32 33 33 00-0037 EA 30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,145.01	27.57
32 33 33 00-0038 EA 36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,055.78	27.57
32 33 33 00-0039 EA 40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,878.17	27.57
32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0041 EA 24" Square, 21" High, Square Fiberglass Planter	1,023.63	27.57
32 33 33 00-0042 EA 24" Square, 24" High, Square Fiberglass Planter	1,046.82	27.57
32 33 33 00-0043 EA 30" Square, 12" High, Square Fiberglass Planter	1,059.08	27.57
32 33 33 00-0044 EA 30" Square, 21" High, Square Fiberglass Planter	1,203.94	27.57
32 33 33 00-0045 EA 30" Square, 24" High, Square Fiberglass Planter	1,309.48	27.57
32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0047 EA 48" x 12", 12" High, Rectangular Fiberglass Planter	1,181.00	27.57
32 33 33 00-0048 EA 48" x 12", 21" High, Rectangular Fiberglass Planter	1,267.55	27.57
32 33 33 00-0049 EA 48" x 24", 12" High, Rectangular Fiberglass Planter	1,657.31	27.57
32 33 33 00-0050 EA 48" x 24", 21" High, Rectangular Fiberglass Planter	1,830.41	27.57
32 33 33 00-0051 Timber Planters (32 33 33)		
32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)		
32 33 33 00-0053 EA 14" Square, 30" High, Square Timber Planter	464.60	54.00
32 33 33 00-0054 EA 21" Square, 30" High, Square Timber Planter	464.60	54.00
32 33 33 00-0055 EA 27" Square, 30" High, Square Timber Planter	859.21	54.00
32 33 33 00-0056 EA 34" Square, 30" High, Square Timber Planter	748.05	54.00
32 33 33 00-0057 EA 41" Square, 36" High, Square Timber Planter	887.00	54.00
32 33 33 00-0058 EA 54" Square, 36" High, Square Timber Planter	2,243.13	54.00
32 33 33 00-0059 EA 81" Square, 36" High, Square Timber Planter	3,360.27	54.00
32 33 33 00-0060 Rectangular Timber Planters (32 33 33 00-0051)		
32 33 33 00-0061 EA 21" x 14", 30" High, Rectangular Timber Planter	459.04	54.00
32 33 33 00-0062 EA 27" x 14", 30" High, Rectangular Timber Planter	509.06	54.00
32 33 33 00-0063 EA 27" x 21", 30" High, Rectangular Timber Planter	659.13	54.00
32 33 33 00-0064 EA 34" x 21", 30" High, Rectangular Timber Planter	725.82	54.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0065 EA 41" x 21", 30" High, Rectangular Timber Planter	925.91	54.00
32 33 33 00-0066 EA 34" x 27", 30" High, Rectangular Timber Planter	1,070.41	54.00
32 33 33 00-0067 EA 54" x 27", 30" High, Rectangular Timber Planter	1,542.83	54.00
32 33 33 00-0068 EA 54" x 34", 30" High, Rectangular Timber Planter	1,737.36	54.00
32 33 33 00-0069 EA 68" x 34", 36" High, Rectangular Timber Planter	1,976.35	54.00
32 33 33 00-0070 EA 54" x 41", 36" High, Rectangular Timber Planter	1,881.86	54.00
32 33 33 00-0071 EA 68" x 41", 36" High, Rectangular Timber Planter	2,126.41	54.00
32 33 33 00-0072 EA 81" x 41", 36" High, Rectangular Timber Planter	2,376.52	54.00
32 33 33 00-0073 EA 41" x 27", 36" High, Rectangular Timber Planter	1,192.68	54.00

32 33 43 Site Seating and Tables (32 33)

32 33 43 13 Site Seating (32 33 43)

32 33 43 13-0001 Benches (Landscapeforms) (32 33 43 13)

Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.

32 33 43 13-0002 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,638.04	90.00
32 33 43 13-0003 EA 72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,046.29	90.00
32 33 43 13-0004 EA 96" Backed Wood Bench (Landscapeforms Balustrade)	2,308.74	90.00
32 33 43 13-0005 EA End Loop Arms For Backed Bench (Landscapeforms Balustrade)	190.81	22.50
32 33 43 13-0006 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,790.18	90.00
32 33 43 13-0007 EA 96" Backless Wood Bench (Landscapeforms Gretchen's)	2,024.74	90.00
32 33 43 13-0008 EA 72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,208.58	90.00
32 33 43 13-0009 EA 96" Backed Wood Bench (Landscapeforms Gretchen's)	2,493.84	90.00
32 33 43 13-0010 EA 72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,525.54	90.00
32 33 43 13-0011 EA 96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,810.81	90.00
32 33 43 13-0012 EA 59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,276.87	90.00
32 33 43 13-0013 EA 75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,561.13	90.00
32 33 43 13-0014 EA 42" Backless Metal Grid Bench (Landscapeforms Manistee)	927.93	67.50
32 33 43 13-0015 EA 62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,002.73	67.50
32 33 43 13-0016 EA 72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,085.08	78.75
32 33 43 13-0017 EA 82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,264.61	78.75
32 33 43 13-0018 EA 42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,159.88	78.75
32 33 43 13-0019 EA 62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,234.68	78.75
32 33 43 13-0020 EA 72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,331.98	90.00
32 33 43 13-0021 EA 82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,526.47	90.00
32 33 43 13-0022 EA 42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,294.53	78.75
32 33 43 13-0023 EA 62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,391.82	90.00
32 33 43 13-0024 EA 72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,466.62	90.00
32 33 43 13-0025 EA 82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,661.11	90.00
32 33 43 13-0026 EA 72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,639.65	90.00
32 33 43 13-0027 EA 96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,032.68	90.00
32 33 43 13-0028 EA 70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,696.36	90.00
32 33 43 13-0029 EA 70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,046.29	90.00
32 33 43 13-0030 EA 70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,221.25	90.00
32 33 43 13-0031 EA 72" Backed Wood Bench (Landscapeforms Plainwell)	2,164.20	90.00
32 33 43 13-0032 EA 72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,398.76	90.00
32 33 43 13-0033 EA 96" Backed Wood Bench (Landscapeforms Plainwell)	2,652.33	90.00
32 33 43 13-0034 EA 96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,886.88	90.00
32 33 43 13-0035 EA 96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,127.77	90.00
32 33 43 13-0036 EA 72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,753.76	90.00
32 33 43 13-0037 EA 72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,988.31	90.00
32 33 43 13-0038 EA 96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,375.01	90.00
32 33 43 13-0039 EA 96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,622.24	90.00
32 33 43 13-0040 EA 96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,850.45	90.00
32 33 43 13-0041 EA Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	628.23	22.50
32 33 43 13-0042 EA Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	843.76	22.50
32 33 43 13-0043 EA Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	843.76	22.50
32 33 43 13-0044 EA Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	767.69	22.50
32 33 43 13-0045 EA Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	951.53	22.50
32 33 43 13-0046 EA Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	951.53	22.50
32 33 43 13-0047 EA Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	951.53	22.50
32 33 43 13-0048 EA Armrest For Metal Grid Seats (Landscapeforms Plexus)	190.81	22.50
32 33 43 13-0049 EA Backless Straight Metal Grid Seats (Landscapeforms Presidio)	881.80	22.50
32 33 43 13-0050 EA Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	976.89	22.50
32 33 43 13-0051 EA Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,071.98	22.50
32 33 43 13-0052 EA Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,065.64	22.50
32 33 43 13-0053 EA Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,160.73	22.50
32 33 43 13-0054 EA Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,255.82	22.50
32 33 43 13-0055 EA Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,052.96	22.50
32 33 43 13-0056 EA Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,148.05	22.50
32 33 43 13-0057 EA Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,243.14	22.50
32 33 43 13-0058 EA Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,287.51	22.50
32 33 43 13-0059 EA Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,382.60	22.50
32 33 43 13-0060 EA Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,477.69	22.50
32 33 43 13-0061 EA Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,287.51	22.50
32 33 43 13-0062 EA Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,382.60	22.50
32 33 43 13-0063 EA Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,477.69	22.50
32 33 43 13-0064 EA 48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,764.82	90.00
32 33 43 13-0065 EA 72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,790.18	90.00
32 33 43 13-0066 EA 96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,176.88	90.00

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43	13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough).....	2,639.65	90.00
32 33 43	13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough).....	3,115.10	90.00
32 33 43	13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough).....	3,565.19	90.00
32 33 43	13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,422.50	90.00
32 33 43	13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,891.61	90.00
32 33 43	13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,935.99	90.00
32 33 43	13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,227.59	90.00
32 33 43	13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	2,512.86	90.00
32 33 43	13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,810.81	90.00
32 33 43	13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	3,102.42	90.00
32 33 43	13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough).....	2,512.86	90.00
32 33 43	13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough).....	3,039.02	90.00
32 33 43	13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough).....	3,552.51	90.00
32 33 43	13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	3,850.45	90.00
32 33 43	13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough).....	4,484.38	90.00
32 33 43	13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	4,775.99	90.00
32 33 43	13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	5,061.26	90.00
32 33 43	13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,203.49	78.75
32 33 43	13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,450.73	78.75
32 33 43	13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square).....	1,583.85	78.75
32 33 43	13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,853.58	90.00
32 33 43	13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square).....	2,100.81	90.00
32 33 43	13-0089		Benches (Columbia Cascade, TimberForm) (32 33 43 13)		
32 33 43	13-0090		Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)		
Note: Includes powder coated steel frames.					
32 33 43	13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E).....	865.77	45.01
32 33 43	13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E).....	994.04	45.01
32 33 43	13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E).....	1,276.19	45.01
32 33 43	13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P).....	904.27	45.01
32 33 43	13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P).....	1,032.51	45.01
32 33 43	13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P).....	1,327.49	45.01
32 33 43	13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E).....	1,327.49	45.01
32 33 43	13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E).....	1,545.51	45.01
32 33 43	13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E).....	1,994.38	45.01
32 33 43	13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P).....	1,391.61	45.01
32 33 43	13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P).....	1,609.63	45.01
32 33 43	13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P).....	2,084.15	45.01
32 33 43	13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E).....	2,571.50	45.01
32 33 43	13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E).....	3,020.37	45.01
32 33 43	13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E).....	3,956.58	45.01
32 33 43	13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P).....	2,635.62	45.01
32 33 43	13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P).....	3,084.49	45.01
32 33 43	13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P).....	4,046.36	45.01
32 33 43	13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E).....	1,006.86	45.01
32 33 43	13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E).....	1,135.11	45.01
32 33 43	13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P).....	1,045.34	45.01
32 33 43	13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P).....	1,173.59	45.01
32 33 43	13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E).....	1,686.58	45.01
32 33 43	13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E).....	1,994.38	45.01
32 33 43	13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P).....	1,789.18	45.01
32 33 43	13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P).....	2,096.98	45.01
32 33 43	13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6).....	1,055.02	67.50
32 33 43	13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8).....	1,106.32	67.50
32 33 43	13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10).....	1,503.89	67.50
32 33 43	13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E).....	814.49	45.01
32 33 43	13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E).....	942.74	45.01
32 33 43	13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E).....	1,070.99	45.01
32 33 43	13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E).....	1,378.79	45.01
32 33 43	13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E).....	1,507.03	45.01
32 33 43	13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P).....	827.32	45.01
32 33 43	13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P).....	955.57	45.01
32 33 43	13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P).....	1,083.81	45.01
32 33 43	13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P).....	1,417.26	45.01
32 33 43	13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P).....	1,545.51	45.01
32 33 43	13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E).....	1,404.44	45.01
32 33 43	13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E).....	1,622.46	45.01
32 33 43	13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E).....	2,096.98	45.01
32 33 43	13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E).....	2,315.00	45.01
32 33 43	13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P).....	1,430.09	45.01
32 33 43	13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P).....	1,648.11	45.01
32 33 43	13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P).....	2,135.45	45.01



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43	13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P).....	2,353.47	45.01
32 33 43	13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E).....	1,404.44	45.01
32 33 43	13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E).....	1,981.55	45.01
32 33 43	13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E).....	1,763.53	45.01
32 33 43	13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E).....	2,327.83	45.01
32 33 43	13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E).....	2,545.85	45.01
32 33 43	13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	1,609.63	45.01
32 33 43	13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	2,020.03	45.01
32 33 43	13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	1,789.18	45.01
32 33 43	13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	2,366.30	45.01
32 33 43	13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	2,584.32	45.01
32 33 43	13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	1,478.25	67.50
32 33 43	13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	1,709.09	67.50
32 33 43	13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10).....	2,196.44	67.50
32 33 43	13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6).....	1,619.32	67.50
32 33 43	13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8).....	1,850.17	67.50
32 33 43	13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10).....	2,414.46	67.50

32 33 43 13-0154

Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0099)

Note: Includes powder coated steel frames.

32 33 43	13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E).....	1,186.41	45.01
32 33 43	13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E).....	1,622.46	45.01
32 33 43	13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P).....	1,224.89	45.01
32 33 43	13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P).....	1,660.93	45.01
32 33 43	13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E).....	1,866.13	45.01
32 33 43	13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E).....	2,186.75	45.01
32 33 43	13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P).....	1,968.73	45.01
32 33 43	13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P).....	2,289.35	45.01
32 33 43	13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	1,183.27	67.50
32 33 43	13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	1,426.95	67.50
32 33 43	13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,683.44	67.50
32 33 43	13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	968.37	45.01
32 33 43	13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	1,301.84	45.01
32 33 43	13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	1,558.33	45.01
32 33 43	13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	1,006.86	45.01
32 33 43	13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	1,340.31	45.01
32 33 43	13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	1,609.63	45.01
32 33 43	13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	1,545.51	45.01
32 33 43	13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	2,084.15	45.01
32 33 43	13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	2,533.02	45.01
32 33 43	13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	1,609.63	45.01
32 33 43	13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	2,173.93	45.01
32 33 43	13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	2,622.80	45.01
32 33 43	13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	3,020.37	45.01
32 33 43	13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	4,161.78	45.01
32 33 43	13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	4,610.65	45.01
32 33 43	13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	3,084.49	45.01
32 33 43	13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	4,251.55	45.01
32 33 43	13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	4,700.42	45.01
32 33 43	13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,891.78	45.01
32 33 43	13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	2,635.62	45.01
32 33 43	13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	2,520.20	45.01
32 33 43	13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	2,892.12	45.01
32 33 43	13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	3,892.46	45.01
32 33 43	13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,917.43	45.01
32 33 43	13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	2,674.10	45.01

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43	13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	2,558.67	45.01
32 33 43	13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	2,930.59	45.01
32 33 43	13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	3,956.58	45.01
32 33 43	13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,798.87	67.50
32 33 43	13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	2,427.28	67.50
32 33 43	13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	3,004.40	67.50
32 33 43	13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	2,016.89	67.50
32 33 43	13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	2,696.61	67.50
32 33 43	13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	2,965.93	67.50
32 33 43	13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	865.79	45.01
32 33 43	13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	1,135.11	45.01
32 33 43	13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	1,532.68	45.01
32 33 43	13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,802.01	45.01
32 33 43	13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	2,096.98	45.01
32 33 43	13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	891.44	45.01
32 33 43	13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	1,160.76	45.01
32 33 43	13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	1,571.16	45.01
32 33 43	13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,840.48	45.01
32 33 43	13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	2,148.28	45.01
32 33 43	13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,686.58	45.01
32 33 43	13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	2,315.00	45.01
32 33 43	13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	2,853.64	45.01
32 33 43	13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	3,212.74	45.01
32 33 43	13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,712.23	45.01
32 33 43	13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	2,353.47	45.01
32 33 43	13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	2,892.12	45.01
32 33 43	13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	3,264.04	45.01
32 33 43 53 Site Tables (32 33 43)					
32 33 43 53-0001 Tables (32 33 43 53)					
32 33 43 53-0002 Tables (Wabash) (32 33 43 53-0001)					
32 33 43	53-0003	EA	Spyder ADA Round Table (Wabash SY203P).....	2,553.85	81.00
32 33 43	53-0004	EA	Shelter With 6' Table (Wabash SH105P).....	7,767.47	81.00
32 33 43	53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C).....	2,347.68	81.00
32 33 43	53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I).....	2,517.14	90.00
32 33 43 53-0007 Tables (Landscapeforms) (32 33 43 53-0001)					
32 33 43	53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs.....	801.25	84.15
32 33 43	53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus).....	1,004.11	84.15
32 33 43	53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus).....	1,004.11	84.15
32 33 43	53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus).....	1,004.11	84.15
32 33 43	53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee).....	3,048.41	84.15
32 33 43	53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee).....	2,707.61	84.15
32 33 43	53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee).....	2,395.20	84.15
32 33 43	53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms).....	253.57	
32 33 43	53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey).....	2,401.74	81.00
32 33 43	53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey).....	1,264.61	63.00
32 33 43	53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey).....	1,055.15	63.00
32 33 43	53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen).....	2,814.30	81.00
32 33 43	53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	2,707.61	84.15
32 33 43	53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	2,707.61	84.15
32 33 43	53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,517.01	84.15
32 33 43	53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,517.01	84.15
32 33 43	53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,892.21	84.15
32 33 43	53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,892.21	84.15
32 33 43	53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,701.61	84.15
32 33 43	53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,701.61	84.15
32 33 43	53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	2,821.21	84.15
32 33 43	53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	2,821.21	84.15
32 33 43	53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,687.41	84.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0031	EA	6	Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,687.41	84.15
32 33 43 53-0032	EA	3	Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,005.81	84.15
32 33 43 53-0033	EA	4	Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,005.81	84.15
32 33 43 53-0034	EA	5	Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,872.01	84.15
32 33 43 53-0035	EA	6	Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,872.01	84.15
32 33 43 53-0036	EA	3	Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,878.01	84.15
32 33 43 53-0037	EA	4	Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,878.01	84.15
32 33 43 53-0038	EA	5	Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,701.61	84.15
32 33 43 53-0039	EA	6	Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,701.61	84.15
32 33 43 53-0040	EA	3	Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,062.61	84.15
32 33 43 53-0041	EA	4	Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,062.61	84.15
32 33 43 53-0042	EA	5	Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,886.21	84.15
32 33 43 53-0043	EA	6	Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,886.21	84.15
32 33 43 53-0044	EA	3	Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,020.01	84.15
32 33 43 53-0045	EA	4	Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,020.01	84.15
32 33 43 53-0046	EA	5	Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,914.61	84.15
32 33 43 53-0047	EA	6	Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,914.61	84.15
32 33 43 53-0048	EA	3	Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,204.61	84.15
32 33 43 53-0049	EA	4	Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,204.61	84.15
32 33 43 53-0050	EA	5	Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,099.21	84.15
32 33 43 53-0051	EA	6	Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,099.21	84.15
32 33 43 53-0052	EA	3	Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,512.86	84.15
32 33 43 53-0053	EA	4	Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,512.86	84.15
32 33 43 53-0054	EA	5	Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,311.61	84.15
32 33 43 53-0055	EA	6	Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,311.61	84.15
32 33 43 53-0056	EA	3	Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,614.29	84.15
32 33 43 53-0057	EA	4	Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,614.29	84.15
32 33 43 53-0058	EA	5	Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,400.36	84.15
32 33 43 53-0059	EA	6	Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,400.36	84.15
32 33 43 53-0060	EA	3	Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,626.97	84.15
32 33 43 53-0061	EA	4	Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,626.97	84.15
32 33 43 53-0062	EA	5	Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,463.76	84.15
32 33 43 53-0063	EA	6	Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,463.76	84.15
32 33 43 53-0064	EA	3	Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,715.72	84.15
32 33 43 53-0065	EA	4	Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,715.72	84.15
32 33 43 53-0066	EA	5	Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,552.51	84.15
32 33 43 53-0067	EA	6	Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,552.51	84.15
32 33 43 53-0068	EA	3	Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,677.68	84.15
32 33 43 53-0069	EA	4	Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,677.68	84.15
32 33 43 53-0070	EA	5	Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,489.11	84.15
32 33 43 53-0071	EA	6	Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,489.11	84.15
32 33 43 53-0072	EA	3	Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,772.77	84.15
32 33 43 53-0073	EA	4	Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,772.77	84.15
32 33 43 53-0074	EA	5	Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,577.86	84.15
32 33 43 53-0075	EA	6	Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,577.86	84.15
32 33 43 53-0076	EA	3	Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,836.17	84.15
32 33 43 53-0077	EA	4	Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,836.17	84.15
32 33 43 53-0078	EA	5	Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,736.35	84.15
32 33 43 53-0079	EA	6	Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,736.35	84.15
32 33 43 53-0080	EA	3	Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,924.92	84.15
32 33 43 53-0081	EA	4	Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,924.92	84.15
32 33 43 53-0082	EA	5	Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,825.10	84.15
32 33 43 53-0083	EA	6	Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,825.10	84.15
32 33 43 53-0084	Tables (Columbia Cascade Co. - TimberForm) (32 33 43 53-0001)				
32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,736.91	105.12	
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	5,784.83	105.12	
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	3,994.63	105.12	
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	4,984.33	105.12	
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,655.61	105.12	
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	2,888.48	105.12	
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,262.64	105.12	
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,466.40	105.12	
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	2,961.26	105.12	
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,165.02	105.12	
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	4,795.12	105.12	
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,626.50	105.12	
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,830.27	105.12	
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,460.37	105.12	
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,266.90	105.12	
32 33 43 53-1000	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,499.77	105.12	
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	3,819.97	105.12	
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,052.84	105.12	
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	4,795.12	105.12	
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,027.99	105.12	
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	4,795.12	105.12	
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,027.99	105.12	
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,123.37	42.03	
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,501.79	42.03	
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	321.55	21.06	

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0110	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E).....	3,266.90	105.12
32 33 43 53-0111	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E).....	3,732.64	105.12
32 33 43 53-0112	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P).....	3,499.77	105.12
32 33 43 53-0113	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P).....	3,965.52	105.12
32 33 43 53-0114	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E).....	3,630.76	105.12
32 33 43 53-0115	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E).....	4,096.51	105.12
32 33 43 53-0116	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P).....	3,863.63	105.12
32 33 43 53-0117	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P).....	4,329.38	105.12
32 33 43 53-0118	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6).....	3,073.67	42.03
32 33 43 53-0119	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8).....	3,452.09	42.03
32 33 43 53-0120	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6).....	3,437.54	42.03
32 33 43 53-0121	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8).....	3,815.95	42.03
32 33 43 53-0122	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E).....	7,735.13	105.12
32 33 43 53-0123	EA		Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P).....	8,550.18	105.12
32 33 43 53-0124	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E).....	7,735.13	105.12
32 33 43 53-0125	EA		Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P).....	8,550.18	105.12
32 33 43 53-0126	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0030-E).....	1,898.78	105.12
32 33 43 53-0127	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0036-E).....	2,087.99	105.12
32 33 43 53-0128	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0042-E).....	2,277.19	105.12
32 33 43 53-0129	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0030-P).....	2,029.77	105.12
32 33 43 53-0130	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0036-P).....	2,218.98	105.12
32 33 43 53-0131	EA		Round Table With Center Support (Columbia Cascade Co. 2902-0042-P).....	2,408.19	105.12
32 33 43 53-0132	EA		Square Table With Center Support (Columbia Cascade Co. 2902-3030-E).....	1,855.11	105.12
32 33 43 53-0133	EA		Square Table With Center Support (Columbia Cascade Co. 2902-3636-E).....	1,986.10	105.12
32 33 43 53-0134	EA		Square Table With Center Support (Columbia Cascade Co. 2902-4242-E).....	2,117.09	105.12
32 33 43 53-0135	EA		Square Table With Center Support (Columbia Cascade Co. 2902-3030-P).....	1,986.10	105.12
32 33 43 53-0136	EA		Square Table With Center Support (Columbia Cascade Co. 2902-3636-P).....	2,117.09	105.12
32 33 43 53-0137	EA		Square Table With Center Support (Columbia Cascade Co. 2902-4242-P).....	2,248.09	105.12
32 33 43 53-0138	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E).....	1,796.90	105.12
32 33 43 53-0139	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E).....	1,986.10	105.12
32 33 43 53-0140	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E).....	2,175.31	105.12
32 33 43 53-0141	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P).....	1,796.90	105.12
32 33 43 53-0142	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P).....	1,986.10	105.12
32 33 43 53-0143	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P).....	2,175.31	105.12
32 33 43 53-0144	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L).....	1,796.90	105.12
32 33 43 53-0145	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L).....	1,986.10	105.12
32 33 43 53-0146	EA		Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L).....	2,175.31	105.12
32 33 43 53-0147	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E).....	1,709.57	105.12
32 33 43 53-0148	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E).....	1,840.56	105.12
32 33 43 53-0149	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E).....	1,971.55	105.12
32 33 43 53-0150	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P).....	1,709.57	105.12
32 33 43 53-0151	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P).....	1,840.56	105.12
32 33 43 53-0152	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P).....	1,971.55	105.12
32 33 43 53-0153	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L).....	1,709.57	105.12
32 33 43 53-0154	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L).....	1,840.56	105.12
32 33 43 53-0155	EA		Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L).....	1,971.55	105.12
32 33 43 53-0156	EA		Round Table With Center Support (Columbia Cascade Co. 2912-0030-E).....	1,636.80	105.12
32 33 43 53-0157	EA		Round Table With Center Support (Columbia Cascade Co. 2912-0036-E).....	1,826.01	105.12
32 33 43 53-0158	EA		Round Table With Center Support (Columbia Cascade Co. 2912-0042-E).....	2,015.21	105.12
32 33 43 53-0159	EA		Round Table With Center Support (Columbia Cascade Co. 2912-0030-P).....	1,767.79	105.12
32 33 43 53-0160	EA		Round Table With Center Support (Columbia Cascade Co. 2912-0036-P).....	1,957.00	105.12
32 33 43 53-0161	EA		Round Table With Center Support (Columbia Cascade Co. 2912-0042-P).....	2,146.20	105.12
32 33 43 53-0162	EA		Square Table With Center Support (Columbia Cascade Co. 2912-3030-E).....	1,520.36	105.12
32 33 43 53-0163	EA		Square Table With Center Support (Columbia Cascade Co. 2912-3636-E).....	1,636.80	105.12
32 33 43 53-0164	EA		Square Table With Center Support (Columbia Cascade Co. 2912-4242-E).....	1,767.79	105.12
32 33 43 53-0165	EA		Square Table With Center Support (Columbia Cascade Co. 2912-3030-P).....	1,636.80	105.12
32 33 43 53-0166	EA		Square Table With Center Support (Columbia Cascade Co. 2912-3636-P).....	1,767.79	105.12
32 33 43 53-0167	EA		Square Table With Center Support (Columbia Cascade Co. 2912-4242-P).....	1,898.78	105.12
32 33 43 53-0168	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E).....	1,724.12	105.12
32 33 43 53-0169	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E).....	1,913.33	105.12
32 33 43 53-0170	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E).....	2,102.54	105.12
32 33 43 53-0171	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P).....	1,724.12	105.12
32 33 43 53-0172	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P).....	1,913.33	105.12
32 33 43 53-0173	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P).....	2,102.54	105.12
32 33 43 53-0174	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L).....	1,724.12	105.12
32 33 43 53-0175	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L).....	1,913.33	105.12
32 33 43 53-0176	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L).....	2,102.54	105.12
32 33 43 53-0177	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E).....	1,622.24	105.12
32 33 43 53-0178	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E).....	1,753.23	105.12
32 33 43 53-0179	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E).....	1,884.22	105.12
32 33 43 53-0180	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P).....	1,622.24	105.12
32 33 43 53-0181	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P).....	1,753.23	105.12
32 33 43 53-0182	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P).....	1,884.22	105.12
32 33 43 53-0183	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L).....	1,622.24	105.12
32 33 43 53-0184	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L).....	1,753.23	105.12
32 33 43 53-0185	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L).....	1,884.22	105.12
32 33 43 53-0186	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0030-E).....	1,520.36	105.12
32 33 43 53-0187	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0036-E).....	1,578.58	105.12
32 33 43 53-0188	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0042-E).....	1,636.80	105.12
32 33 43 53-0189	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0030-P).....	1,651.35	105.12
32 33 43 53-0190	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0036-P).....	1,709.57	105.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0191 EA Round Table With Center Support (Columbia Cascade Co. 2922-0042-P).....	1,767.79	105.12
32 33 43 53-0192 EA Square Table With Center Support (Columbia Cascade Co. 2922-3030-E).....	1,505.81	105.12
32 33 43 53-0193 EA Square Table With Center Support (Columbia Cascade Co. 2922-3636-E).....	1,549.47	105.12
32 33 43 53-0194 EA Square Table With Center Support (Columbia Cascade Co. 2922-4242-E).....	1,593.13	105.12
32 33 43 53-0195 EA Square Table With Center Support (Columbia Cascade Co. 2922-3030-P).....	1,636.80	105.12
32 33 43 53-0196 EA Square Table With Center Support (Columbia Cascade Co. 2922-3636-P).....	1,680.46	105.12
32 33 43 53-0197 EA Square Table With Center Support (Columbia Cascade Co. 2922-4242-P).....	1,724.12	105.12
32 33 43 53-0198 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E).....	1,549.47	105.12
32 33 43 53-0199 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E).....	1,607.69	105.12
32 33 43 53-0200 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E).....	1,665.91	105.12
32 33 43 53-0201 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P).....	1,549.47	105.12
32 33 43 53-0202 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P).....	1,607.69	105.12
32 33 43 53-0203 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P).....	1,665.91	105.12
32 33 43 53-0204 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L).....	1,549.47	105.12
32 33 43 53-0205 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L).....	1,607.69	105.12
32 33 43 53-0206 EA Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L).....	1,665.91	105.12
32 33 43 53-0207 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E).....	1,549.47	105.12
32 33 43 53-0208 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E).....	1,593.13	105.12
32 33 43 53-0209 EA Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E).....	1,636.80	105.12
32 33 43 53-0210 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P).....	1,549.47	105.12
32 33 43 53-0211 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P).....	1,593.13	105.12
32 33 43 53-0212 EA Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P).....	1,636.80	105.12
32 33 43 53-0213 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L).....	1,549.47	105.12
32 33 43 53-0214 EA Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L).....	1,593.13	105.12
32 33 43 53-0215 EA Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L).....	1,636.80	105.12
32 33 43 53-0216 EA Round Table With Center Support (Columbia Cascade Co. 2932-0030-E).....	1,578.58	105.12
32 33 43 53-0217 EA Round Table With Center Support (Columbia Cascade Co. 2932-0036-E).....	1,636.80	105.12
32 33 43 53-0218 EA Round Table With Center Support (Columbia Cascade Co. 2932-0042-E).....	1,695.01	105.12
32 33 43 53-0219 EA Round Table With Center Support (Columbia Cascade Co. 2932-0030-P).....	1,709.57	105.12
32 33 43 53-0220 EA Round Table With Center Support (Columbia Cascade Co. 2932-0036-P).....	1,767.79	105.12
32 33 43 53-0221 EA Round Table With Center Support (Columbia Cascade Co. 2932-0042-P).....	1,826.01	105.12
32 33 43 53-0222 EA Square Table With Center Support (Columbia Cascade Co. 2932-3030-E).....	1,680.46	105.12
32 33 43 53-0223 EA Square Table With Center Support (Columbia Cascade Co. 2932-3636-E).....	1,724.12	105.12
32 33 43 53-0224 EA Square Table With Center Support (Columbia Cascade Co. 2932-4242-E).....	1,767.79	105.12
32 33 43 53-0225 EA Square Table With Center Support (Columbia Cascade Co. 2932-3030-P).....	1,811.45	105.12
32 33 43 53-0226 EA Square Table With Center Support (Columbia Cascade Co. 2932-3636-P).....	1,855.11	105.12
32 33 43 53-0227 EA Square Table With Center Support (Columbia Cascade Co. 2932-4242-P).....	1,898.78	105.12
32 33 43 53-0228 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E).....	1,651.35	105.12
32 33 43 53-0229 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E).....	1,709.57	105.12
32 33 43 53-0230 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E).....	1,767.79	105.12
32 33 43 53-0231 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P).....	1,651.35	105.12
32 33 43 53-0232 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P).....	1,709.57	105.12
32 33 43 53-0233 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P).....	1,767.79	105.12
32 33 43 53-0234 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L).....	1,651.35	105.12
32 33 43 53-0235 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L).....	1,709.57	105.12
32 33 43 53-0236 EA Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L).....	1,767.79	105.12
32 33 43 53-0237 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E).....	1,753.23	105.12
32 33 43 53-0238 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E).....	1,796.90	105.12
32 33 43 53-0239 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E).....	1,840.56	105.12
32 33 43 53-0240 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P).....	1,753.23	105.12
32 33 43 53-0241 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P).....	1,796.90	105.12
32 33 43 53-0242 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P).....	1,840.56	105.12
32 33 43 53-0243 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L).....	1,753.23	105.12
32 33 43 53-0244 EA Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L).....	1,796.90	105.12
32 33 43 53-0245 EA Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L).....	1,840.56	105.12
32 33 43 53-0246 EA Square Table With Center Support (Columbia Cascade Co. 2942-3030-E).....	1,331.15	105.12
32 33 43 53-0247 EA Square Table With Center Support (Columbia Cascade Co. 2942-3636-E).....	1,374.82	105.12
32 33 43 53-0248 EA Square Table With Center Support (Columbia Cascade Co. 2942-4242-E).....	1,418.48	105.12
32 33 43 53-0249 EA Square Table With Center Support (Columbia Cascade Co. 2942-3030-P).....	1,462.14	105.12
32 33 43 53-0250 EA Square Table With Center Support (Columbia Cascade Co. 2942-3636-P).....	1,505.81	105.12
32 33 43 53-0251 EA Square Table With Center Support (Columbia Cascade Co. 2942-4242-P).....	1,549.47	105.12
32 33 43 53-0252 EA Round Table With Center Support (Columbia Cascade Co. 2962-0030-E).....	1,578.58	105.12
32 33 43 53-0253 EA Round Table With Center Support (Columbia Cascade Co. 2962-0036-E).....	1,636.80	105.12
32 33 43 53-0254 EA Round Table With Center Support (Columbia Cascade Co. 2962-0042-E).....	1,695.01	105.12
32 33 43 53-0255 EA Round Table With Center Support (Columbia Cascade Co. 2962-0030-P).....	1,418.48	105.12
32 33 43 53-0256 EA Round Table With Center Support (Columbia Cascade Co. 2962-0036-P).....	1,476.70	105.12
32 33 43 53-0257 EA Round Table With Center Support (Columbia Cascade Co. 2962-0042-P).....	1,534.91	105.12
32 33 43 53-0258 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-E).....	1,302.04	105.12
32 33 43 53-0259 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-E).....	1,345.71	105.12
32 33 43 53-0260 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-E).....	1,389.37	105.12
32 33 43 53-0261 EA Square Table With Center Support (Columbia Cascade Co. 2962-3030-P).....	1,433.03	105.12
32 33 43 53-0262 EA Square Table With Center Support (Columbia Cascade Co. 2962-3636-P).....	1,476.70	105.12
32 33 43 53-0263 EA Square Table With Center Support (Columbia Cascade Co. 2962-4242-P).....	1,520.36	105.12

32 33 43 53-0264	Picnic Tables <small>(32 33 43 53)</small>	
32 33 43 53-0265	Wooden Picnic Tables <small>(32 33 43 53-0264)</small>	
32 33 43 53-0266	EA 6' Permanent Rectangular Redwood Table.....	808.61 67.50

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 33 43 53-0267		Portable Picnic Tables <small>(32 33 43 53-0264)</small>		
32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,458.00	45.01
32 33 43 53-0269	EA	6' Aluminum Table And Frame.....	2,119.11	45.01
32 33 43 53-0270	EA	8' Aluminum Table And Frame.....	2,528.12	56.25
32 33 43 53-0271	EA	6' Steel Table And Frame	1,278.71	45.01
32 33 43 53-0272	EA	8' Steel Table And Frame	1,463.73	56.25
32 33 43 53-0273		Concrete Picnic Tables <small>(32 33 43 53-0264)</small>		
32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT).....	2,520.25	180.00
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT).....	2,972.67	
		Note: Standard sealer		
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	2,982.08	
		Note: Standard sealer		
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	3,160.27	
		Note: Includes table top, four benches and mounting hardware.		
32 33 43 53-0278		Plastic Picnic Tables <small>(32 33 43 53-0264)</small>		
		Note: Manufactured from recycled plastic.		
32 33 43 53-0279		Pedestal Tables - 4' Square, 2 Seats <small>(32 33 43 53-0278)</small>		
32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,738.81	67.50
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,909.17	67.50
32 33 43 53-0282		Pedestal Tables - 4' Square, 4 Seats <small>(32 33 43 53-0278)</small>		
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,291.26	67.50
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,520.03	67.50
32 33 43 53-0285		Recycled Plastic Tables <small>(32 33 43 53-0278)</small>		
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	3,013.24	67.50
32 33 43 53-0287	EA	6' "Walk-Through" Table, Recycled Plastic Lumber.....	2,503.06	67.50
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,737.52	67.50
32 33 43 53-0289	EA	8' "Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,557.45	67.50
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	3,228.48	67.50
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,268.59	54.00
32 33 53		Site Grills <small>(32 33)</small>		
32 33 53 00-0001		Picnic Grills <small>(32 33 53)</small>		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	425.61	
		Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill	455.70	
		Note: 7 gauge with galvanized steel post.		
32 33 63		Skate Board Deterrent <small>(32 33)</small>		
32 33 63 00-0001		Skate Stoppers <small>(32 33 63)</small>		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper.....	63.35	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-6.84	
		For >99 To 249, Deduct	-8.63	
		For >249, Deduct	-10.42	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper.....	67.15	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-7.38	
		For >99 To 249, Deduct	-9.28	
		For >249, Deduct	-11.18	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper.....	47.18	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-4.58	
		For >99 To 249, Deduct	-5.88	
		For >249, Deduct	-7.19	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper	37.64	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.24	
		For >99 To 249, Deduct	-4.26	
		For >249, Deduct	-5.28	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper.....	41.21	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.74	
		For >99 To 249, Deduct	-4.87	
		For >249, Deduct	-5.99	



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0007	EA		Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -3.49 <i>For >99 To 249, Deduct</i> -4.56 <i>For >249, Deduct</i> -5.63	39.40	
32 33 63 00-0008	EA		Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -3.16 <i>For >99 To 249, Deduct</i> -4.16 <i>For >249, Deduct</i> -5.16	37.06	
32 33 63 00-0009	EA		Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -5.20 <i>For >99 To 249, Deduct</i> -6.64 <i>For >249, Deduct</i> -8.07	51.61	
32 33 63 00-0010	EA		Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. <i>For >59 To 99, Deduct</i> -11.31 <i>For >99 To 249, Deduct</i> -14.06 <i>For >249, Deduct</i> -16.81	95.28	

32 39 Manufactured Site Specialties (32 39)

Note: Excludes core drilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards (32 39)

32 39 13 00-0001			Metal Pipe Bollards (32 39 13) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002			Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)		
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 15.05 <i>For 304 Stainless Steel, Add</i> 119.48 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 132.08 <i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 91.96 <i>For Schedule 80, Add</i> 15.98 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 9.67	115.52	13.51
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 23.73 <i>For 304 Stainless Steel, Add</i> 188.46 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 132.08 <i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 91.96 <i>For Schedule 80, Add</i> 23.64 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 13.62	166.62	13.51
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 35.20 <i>For 304 Stainless Steel, Add</i> 279.52 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 173.12 <i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 135.72 <i>For Schedule 80, Add</i> 34.44 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 18.19	240.83	16.90
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 48.16 <i>For 304 Stainless Steel, Add</i> 382.44 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 200.16 <i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 149.24 <i>For Schedule 80, Add</i> 46.55 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 22.24	323.83	20.27
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated <i>For Galvanized Steel, Add</i> 59.77 <i>For 304 Stainless Steel, Add</i> 474.61 <i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 275.20 <i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 204.97 <i>For Schedule 80, Add</i> 58.14 <i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 25.94	405.61	27.02

32 39 23 Manufactured Concrete Bollards (32 39)

32 39 23 00-0001			Concrete Bollards (32 39 23) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002			Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Media Blast..... Note: Surface mounted with anchor bolts embedded into grout pockets.	627.30	108.09
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Media Blast..... Note: Surface mounted with anchor bolts embedded into grout pockets.	627.30	108.09

32 39 25 Manufactured Wood Bollards (32 39)

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 25 00-0001			Wood Bollards ^(32 39 25) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002			Wood Bollard, Pressure Treated Timber ^(32 39 25 00-0001)		
32 39 25 00-0003	LF		4" x 4", Pressure Treated Wood Bollard 24.28	24.28	10.81
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 90.24	90.24	
32 39 25 00-0004	LF		6" x 6", Pressure Treated Wood Bollard 27.10	27.10	10.81
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 90.24	90.24	
32 39 25 00-0005	LF		8" x 8", Pressure Treated Wood Bollard 34.09	34.09	12.16
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 133.84	133.84	
32 39 25 00-0006	LF		10" x 10", Pressure Treated Wood Bollard 47.66	47.66	16.22
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 150.06	150.06	
32 39 25 00-0007	LF		12" x 12", Pressure Treated Wood Bollard 65.16	65.16	21.61
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 207.57	207.57	
32 39 27			Manufactured Plastic Bollards ^(32 39)		
32 39 27 00-0001			Plastic Bollards ^(32 39 27) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002			Recycled Plastic Bollards ^(32 39 27 00-0001)		
32 39 27 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard 354.86	354.86	54.05
			Note: Includes anchor bolts.		
32 39 27 00-0004	EA		6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard 574.55	574.55	54.05
32 39 27 00-0005			Plastic Bollard Covers ^(32 39 27 00-0001)		
32 39 27 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe 88.76	88.76	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe 95.94	95.94	12.94
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0008	EA		3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe 121.39	121.39	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0009	EA		3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe 121.39	121.39	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0010	EA		3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe 136.62	136.62	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0011	EA		4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe 121.39	121.39	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0012	EA		4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe 123.57	123.57	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0013	EA		5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe 121.39	121.39	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0014	EA		5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe 123.57	123.57	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0015	EA		5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe 173.60	173.60	11.77
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0016	EA		6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe 123.75	123.75	12.94
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0017	EA		6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe 158.56	158.56	12.94
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0018	EA		6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe 180.78	180.78	12.94
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0019	EA		7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe 152.21	152.21	14.12
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0020	EA		8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe 165.26	165.26	14.12
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0021	EA		8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe 165.26	165.26	14.12
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 27 00-0022	EA		10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe 224.02	224.02	14.12
			<i>For Reflective Tape, Add</i> 10.36	10.36	
32 39 29			Manufactured Stone Bollards ^(32 39)		
32 39 29 00-0001			Stone Bollards ^(32 39 29) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 29 00-0002			Granite Bollards ^(32 39 29 00-0001)		
32 39 29 00-0003	EA		16" x 16" x 30" Granite Bollard, Smooth Matt Finish 1,457.30	1,457.30	135.12
			Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0004	EA		16" x 16" x 54" Granite Bollard, Smooth Matt Finish 1,845.98	1,845.98	189.16
			Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top 904.77	904.77	135.12
			Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish 1,338.50	1,338.50	108.09
			Note: Flat Top, surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section 1,996.79	1,996.79	108.09
			Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.		

32 80 Irrigation ⁽³²⁾



		Exterior Improvements	32
		Irrigation	32 80
		Manufactured Site Specialties	32 39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 Planting Irrigation (32 80)

32 84 13 Drip Irrigation (32 84)

32 84 13 00-0001 Drip Emmitter Irrigation Devices (32 84 13)

32 84 13 00-0002 Drip Emmitter Irrigation Valves (32 84 13 00-0001)

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emmitter Irrigation Systems (Rain Bird® ARV050).....	53.73	12.37
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rain Bird® LRV100).....	88.58	12.37
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rain Bird® LRV075).....	86.15	12.37
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rain Bird® LRV075TBOS).....	118.89	12.37

32 84 13 00-0007 Drip Emmitter Irrigation Filters (32 84 13 00-0001)

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rain Bird® QKCHK-075).....	188.09	12.37
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rain Bird® QKCHK-100).....	189.89	12.37
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems (Rain Bird® RBY075MPTX).....	68.95	12.37
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems (Rain Bird® RBY100MPTX).....	70.39	12.37
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	204.86	12.37
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems (Rain Bird® PRF075RBY).....	90.62	12.37
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems (Rain Bird® PRF100RBY).....	101.91	12.37

32 84 13 00-0015 Drip Emmitter Irrigation Pressure Regulators (32 84 13 00-0001)

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-L30X-075).....	67.49	12.37
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-M30X-075).....	67.49	12.37
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-M40X-075).....	67.49	12.37
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	79.35	12.37

32 84 13 00-0020 Drip Emmitter Irrigation Tubing (32 84 13 00-0001)

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.				
32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	4.81	1.73
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	4.31	1.98
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XQ100).....	3.67	1.73
<i>For Shallow Trenching And Backfill By Hand, Add</i>			<i>7.08</i>	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XT700100).....	4.41	1.98
<i>For Shallow Trenching And Backfill By Hand, Add</i>			<i>7.66</i>	

32 84 13 00-0025 Drip Emmitter Irrigation Fittings (32 84 13 00-0001)

32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	3.31	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	3.35	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	3.41	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	3.63	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	3.27	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	3.52	
<i>For Compression Fitting, Add</i>			<i>0.43</i>	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	3.64	
<i>For Compression Fitting, Add</i>			<i>0.55</i>	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	3.70	
<i>For Compression Fitting, Add</i>			<i>0.61</i>	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	3.74	
<i>For Compression Fitting, Add</i>			<i>0.65</i>	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFFDCROSS).....	4.00	
<i>For Compression Fitting, Add</i>			<i>0.91</i>	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	4.29	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	2.11	

32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)

32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB20PC).....	6.84	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® PC24).....	7.99	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB056).....	17.42	

32 84 13 00-0042 Drip Emmitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)

32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emmitter Irrigation Systems (Rain Bird® SXB360SPYK).....	26.51	11.13
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emmitter Irrigation Systems (Rain Bird® XS360TSPYK).....	26.57	11.13

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	29.76	11.13
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	30.10	11.13
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	44.24	14.59
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	48.34	14.59
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	50.71	14.59
32 84 13 00-0050		Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001) Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	4.94	2.16
32 84 23		Underground Sprinklers (32 84)		
32 84 23 00-0001		Sprinkler Heads (32 84 23)		
32 84 23 00-0002		Spray Sprinkler Heads (32 84 23 00-0001) Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)..... <i>For Rotary Nozzle, Add</i>	38.76 3.25	13.67
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)..... <i>For Rotary Nozzle, Add</i>	36.43 3.25	13.67
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)..... <i>For Rotary Nozzle, Add</i>	45.06 3.25	13.67
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)..... <i>For Rotary Nozzle, Add</i>	52.28 3.25	13.67
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)..... <i>For Rotary Nozzle, Add</i>	39.68 3.25	13.67
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)..... <i>For Rotary Nozzle, Add</i>	51.82 3.25	13.67
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)..... <i>For Rotary Nozzle, Add</i>	57.67 3.25	13.67
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)..... <i>For Rotary Nozzle, Add</i>	43.14 3.25	13.67
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)..... <i>For Rotary Nozzle, Add</i>	54.21 3.25	13.67
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)..... <i>For Rotary Nozzle, Add</i>	59.66 3.25	13.67
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	44.52 3.25	13.67
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	61.51 3.25	13.67
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	66.89 3.25	13.67
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)..... <i>For Rotary Nozzle, Add</i>	31.90 3.25	13.67
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	37.30	13.67
32 84 23 00-0018		Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001) Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)..... <i>For Non-Potable Cover, Add</i>	55.82 2.00	13.67
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)..... <i>For Non-Potable Cover, Add</i>	57.74 2.00	13.67
32 84 23 00-0022		3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)..... <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	51.21 2.00 9.00	13.67
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)..... <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	71.96 2.00 9.00	13.67
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)..... <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	55.05 2.00 9.00	13.67
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)..... <i>For Non-Potable Cover, Add</i> <i>For Stainless Steel Riser, Add</i>	75.04 2.00 9.00	13.67



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0027	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	56.59	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	59.66	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	79.65	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	91.95	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	59.28	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	71.58	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0033			1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	100.79	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
			<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	56.58	
32 84 23 00-0035			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	145.37	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0037			Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small>		
			Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	79.27	13.67
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	60.82	13.67
32 84 23 00-0040	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	122.28	13.67
32 84 23 00-0041			Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0042			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0041)</small>		
			Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	163.44	56.95
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	163.44	56.95
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	179.72	64.92
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	164.97	56.95
32 84 23 00-0047			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0041)</small>		
			Note: 15 to 150 PSI.		
32 84 23 00-0048	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	164.97	56.95
32 84 23 00-0049	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS).....	182.02	64.92
32 84 23 00-0050	EA		1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	183.56	64.92
32 84 23 00-0051			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0041)</small>		
			Note: 20 to 200 PSI.		
32 84 23 00-0052	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB).....	287.96	56.95
32 84 23 00-0053	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB).....	341.77	56.95
32 84 23 00-0054	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB).....	410.95	56.95
32 84 23 00-0055			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) <small>(32 84 23 00-0041)</small>		
			Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0056	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D).....	419.08	64.01
32 84 23 00-0057	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D).....	472.89	64.01
32 84 23 00-0058	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	542.07	64.01
32 84 23 00-0059			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	495.95	64.01
32 84 23 00-0061	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D).....	549.76	64.01
32 84 23 00-0062	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	618.94	64.01
32 84 23 00-0063			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B).....	441.00	56.95
32 84 23 00-0065	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B).....	688.38	56.95
32 84 23 00-0066	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B).....	710.74	56.95
32 84 23 00-0067	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B).....	1,694.22	76.87
32 84 23 00-0068			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) <small>(32 84 23 00-0041)</small> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP).....	402.40	64.01
32 84 23 00-0070	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP).....	475.97	64.01
32 84 23 00-0071	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP).....	555.83	64.01
32 84 23 00-0072	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP).....	660.99	64.01
32 84 23 00-0073			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	540.68	64.01
32 84 23 00-0075	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	834.17	64.01
32 84 23 00-0076	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	859.33	64.01
32 84 23 00-0077	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	1,818.08	64.01
32 84 23 00-0078			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	552.81	56.95
32 84 23 00-0080	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	800.18	56.95
32 84 23 00-0081	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	822.54	56.95
32 84 23 00-0082	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,806.03	76.87
32 84 23 00-0083			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	517.71	64.01
32 84 23 00-0085	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	591.27	64.01
32 84 23 00-0086	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	671.14	64.01
32 84 23 00-0087	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	776.29	64.01



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84
			32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0088 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0041)</small>		
Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	652.48	64.01
32 84 23 00-0090 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	945.98	64.01
32 84 23 00-0091 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	971.14	64.01
32 84 23 00-0092 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,929.89	64.01
32 84 23 00-0093 Other Electric Remote Control Valves/Accessories <small>(32 84 23 00-0041)</small>		
32 84 23 00-0094 EA Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	160.86	
32 84 23 00-0095 Remote Control Valve Assemblies <small>(32 84 23 00-0041)</small>		
Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096 EA 1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	587.66	142.36
32 84 23 00-0097 EA 1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	641.47	142.36
32 84 23 00-0098 EA 2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	710.65	142.36
32 84 23 00-0099 EA 1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	664.53	142.36
Note: Purple components for use with recycled water		
32 84 23 00-0100 EA 1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	718.34	142.36
Note: Purple components for use with recycled water		
32 84 23 00-0101 EA 2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	787.52	142.36
Note: Purple components for use with recycled water		
32 84 23 00-0102 EA 1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	686.29	142.36
Note: Purple components for use with recycled water		
32 84 23 00-0103 EA 1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	839.71	142.36
Note: Purple components for use with recycled water		
32 84 23 00-0104 EA 2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	944.87	142.36
Note: Purple components for use with recycled water		
32 84 23 00-0105 Irrigation Valve Boxes <small>(32 84 23)</small>		
Note: Includes lid.		
32 84 23 00-0106 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	97.12	41.00
32 84 23 00-0107 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	115.28	41.00
32 84 23 00-0108 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	151.17	53.98
32 84 23 00-0109 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	249.77	78.81
32 84 23 00-0110 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	254.94	78.81
32 84 23 00-0111 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	291.99	78.81
32 84 23 00-0112 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	296.40	78.81
32 84 23 00-0113 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	508.14	78.81
32 84 23 00-0114 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	782.39	78.81
32 84 23 00-0115 EA Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid.....	459.50	134.92
For 12" Extension, Add	99.79	
32 84 23 00-0116 EA Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid.....	728.92	134.92
For 12" Extension, Add	99.79	
32 84 23 00-0117 EA 12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	204.18	68.33
32 84 23 00-0118 EA 15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	294.32	78.81
32 84 23 00-0119 EA 10" Round Irrigation Valve Box With Lid (Carson 910-10).....	157.64	53.98
32 84 23 00-0120 Irrigation Controllers <small>(32 84 23)</small>		
See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0121 Irrigation Controllers <small>(32 84 23 00-0120)</small>		
32 84 23 00-0122 Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0121)</small>		
32 84 23 00-0123 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0122)</small>		
32 84 23 00-0124 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0123)</small>		
32 84 23 00-0125 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0124)</small>		
32 84 23 00-0126 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	428.95	36.00

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0127 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	598.55	36.00
32 84 23 00-0128 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	768.16	36.00
32 84 23 00-0129 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	937.77	36.00
32 84 23 00-0130 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,071.37	36.00
32 84 23 00-0131 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,245.47	36.00
32 84 23 00-0132 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,419.59	36.00
32 84 23 00-0133 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0124)		
32 84 23 00-0134 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	507.58	36.00
32 84 23 00-0135 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	677.18	36.00
32 84 23 00-0136 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	846.79	36.00
32 84 23 00-0137 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,016.40	36.00
32 84 23 00-0138 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,150.00	36.00
32 84 23 00-0139 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,324.10	36.00
32 84 23 00-0140 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,498.22	36.00
32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0123)		
32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0141)		
32 84 23 00-0143 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	702.08	36.00
32 84 23 00-0144 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	871.68	36.00
32 84 23 00-0145 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,041.30	36.00
32 84 23 00-0146 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,210.90	36.00
32 84 23 00-0147 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,344.51	36.00
32 84 23 00-0148 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,518.61	36.00
32 84 23 00-0149 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,692.72	36.00
32 84 23 00-0150 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0141)		
32 84 23 00-0151 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	761.00	36.00
32 84 23 00-0152 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	930.60	36.00
32 84 23 00-0153 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,100.22	36.00
32 84 23 00-0154 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,269.82	36.00
32 84 23 00-0155 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,403.42	36.00
32 84 23 00-0156 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,577.53	36.00
32 84 23 00-0157 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,751.64	36.00
32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0123)		
32 84 23 00-0159 EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3).....	174.11	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0160 EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6).....	331.81	
Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0161 EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	494.25	
32 84 23 00-0162 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0122)		
32 84 23 00-0163 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0162)		
32 84 23 00-0164 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,030.02	36.00
32 84 23 00-0165 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,244.50	36.00
32 84 23 00-0166 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,462.78	36.00
32 84 23 00-0167 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,677.26	36.00
32 84 23 00-0168 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,895.54	36.00
32 84 23 00-0169 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,110.01	36.00
32 84 23 00-0170 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,328.30	36.00
32 84 23 00-0171 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,542.77	36.00
32 84 23 00-0172 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,761.06	36.00
32 84 23 00-0173 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,975.53	36.00
32 84 23 00-0174 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0162)		
32 84 23 00-0175 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,044.36	36.00
32 84 23 00-0176 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,258.82	36.00
32 84 23 00-0177 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,477.12	36.00
32 84 23 00-0178 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,691.58	36.00
32 84 23 00-0179 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,909.88	36.00
32 84 23 00-0180 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,124.35	36.00



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0181 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,342.63	36.00
32 84 23 00-0182 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,557.11	36.00
32 84 23 00-0183 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,775.39	36.00
32 84 23 00-0184 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,989.87	36.00
32 84 23 00-0185 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	3,208.15	36.00
32 84 23 00-0186 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0162)		
32 84 23 00-0187 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	785.94	
32 84 23 00-0188 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM).....	1,829.29	
Note: Excludes concrete foundation.		
32 84 23 00-0189 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	1,748.82	
32 84 23 00-0190 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	3,888.52	
Note: Excludes concrete foundation.		
32 84 23 00-0191 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	214.47	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0192 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	432.76	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0193 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	673.45	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0194 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	253.15	
32 84 23 00-0195 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0122)		
32 84 23 00-0196 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0195)		
32 84 23 00-0197 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	508.42	36.00
32 84 23 00-0198 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	611.14	36.00
32 84 23 00-0199 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	751.79	36.00
32 84 23 00-0200 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0195)		
32 84 23 00-0201 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	667.34	
32 84 23 00-0202 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	125.09	27.00
32 84 23 00-0203 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0122)		
32 84 23 00-0204 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	170.93	27.00
32 84 23 00-0205 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	357.32	27.00
32 84 23 00-0206 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	380.20	27.00
32 84 23 00-0207 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	578.50	27.00
32 84 23 00-0208 Two-Wire Decoder Systems (32 84 23 00-0120)		
32 84 23 00-0209 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0208)		
32 84 23 00-0210 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0209)		
Note: Includes water resistant cabinet.		
32 84 23 00-0211 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,049.99	36.00
32 84 23 00-0212 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	4,271.11	36.00
32 84 23 00-0213 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	5,492.20	36.00
32 84 23 00-0214 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0215 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	368.69	36.00
32 84 23 00-0216 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	470.60	36.00
32 84 23 00-0217 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	707.53	36.00
32 84 23 00-0218 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	869.18	36.00
32 84 23 00-0219 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	1,450.07	36.00
32 84 23 00-0220 Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0209)		
32 84 23 00-0221 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	2,252.38	
32 84 23 00-0222 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	1,221.11	
32 84 23 00-0223 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	277.93	31.51
32 84 23 00-0224 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	1,300.75	36.00
32 84 23 00-0225 Calsense Controllers (32 84 23 00-0120)		
32 84 23 00-0226 Irrigation Controllers (32 84 23 00-0225)		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0227 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,801.01	90.00
32 84 23 00-0228 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,615.92	101.25
32 84 23 00-0229 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	4,967.21	112.51
32 84 23 00-0230 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,467.03	112.51
32 84 23 00-0231 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,464.79	123.76
32 84 23 00-0232 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	7,805.77	123.76
32 84 23 00-0233 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	8,840.12	135.01
32 84 23 00-0234 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	9,900.71	135.01
32 84 23 00-0235 EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,860.62	45.01
32 84 23 00-0236 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,198.25	45.01
32 84 23 00-0237 Irrigation Controller Accessories (32 84 23 00-0225)		
32 84 23 00-0238 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	117.03	
32 84 23 00-0239 EA Spare Lock For Enclosures (Calsense PAD)	126.78	
32 84 23 00-0240 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	149.28	11.25
32 84 23 00-0241 EA Transformer For Irrigation Controllers (Calsense TR-1)	211.91	45.01
32 84 23 00-0242 EA AC Line Protection For Irrigation Controllers (Calsense TP-110)	589.82	45.01
32 84 23 00-0243 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	784.87	45.01
<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	359.03	
32 84 23 00-0244 Sensors For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0245 Flow Sensors (32 84 23 00-0244)		
32 84 23 00-0246 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,378.47	67.50
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-993.46	
32 84 23 00-0247 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,427.23	67.50
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,042.22	
32 84 23 00-0248 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,475.99	67.50
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,090.98	
32 84 23 00-0249 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,630.70	90.00
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,245.23	
32 84 23 00-0250 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,752.61	90.00
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,367.14	
32 84 23 00-0251 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,801.37	90.00
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,415.90	
32 84 23 00-0252 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,118.33	90.00
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,604.83	
32 84 23 00-0253 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)	1,650.42	45.01
<i>Note: For 4" and larger pipe. Excludes pipe saddle.</i>		
<i>For Flow Meter Replacement Insert Only, Deduct</i>	-1,136.92	
32 84 23 00-0254 Moisture Sensors (32 84 23 00-0244)		
32 84 23 00-0255 EA Soil Moisture Sensor (Calsense 1000-S)	579.51	33.75
32 84 23 00-0256 Weather Sensors (32 84 23 00-0244)		
32 84 23 00-0257 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,581.94	90.00
32 84 23 00-0258 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,810.72	180.00
32 84 23 00-0259 EA ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,622.48	135.01
32 84 23 00-0260 Weather Sensor Accessories (32 84 23 00-0244)		
32 84 23 00-0261 EA Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,065.26	
32 84 23 00-0262 EA Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,016.14	
32 84 23 00-0263 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,065.26	45.01
32 84 23 00-0264 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,470.97	45.01
32 84 23 00-0265 Antennas For Irrigation Controllers (32 84 23 00-0225)		
<i>Note: Excludes antenna cable.</i>		
32 84 23 00-0266 EA Local Radio Dome Antenna (Calsense LR-DOME)	553.25	45.01
32 84 23 00-0267 EA Local Radio Stick Antenna (Calsense LR-STICK)	809.25	45.01
32 84 23 00-0268 EA Local Radio Yagi Antenna (Calsense LR-YAGI)	899.25	90.00
32 84 23 00-0269 EA Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	553.25	45.01
32 84 23 00-0270 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	553.25	45.01
32 84 23 00-0271 EA GPRS Stubby Antenna (Calsense GR-STUBBY)	553.25	45.01
32 84 23 00-0272 EA GPRS Stick Antenna (Calsense GR-STICK)	809.25	45.01
32 84 23 00-0273 EA Spread Spectrum Dome Antenna (Calsense SR-DOME)	553.25	45.01
32 84 23 00-0274 EA Spread Spectrum Stick Antenna (Calsense SR-STICK)	809.25	45.01
32 84 23 00-0275 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	899.25	90.00
32 84 23 00-0276 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	553.25	45.01
32 84 23 00-0277 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	553.25	45.01
32 84 23 00-0278 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	553.25	45.01
32 84 23 00-0279 EA WiFi Stubby Antenna (Calsense WEN-STUBBY)	553.25	45.01
32 84 23 00-0280 LF Antenna Cable With End Connectors (Calsense LMR-400-DB)	15.22	0.54
32 84 23 00-0281 EA Surge Protection Device For Antenna (Calsense ANT-PROT)	557.02	22.50
32 84 23 00-0282 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	906.78	45.01
32 84 23 00-0283 EA 3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	792.40	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0284 EA Local Radio Frequency Filter (Calsense LR-FILTER).....	1,121.55	
32 84 23 00-0285 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER).....	828.97	
32 84 23 00-0286 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0287 EA 15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	500.73	67.50
32 84 23 00-0288 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX).....	1,222.43	112.51
32 84 23 00-0289 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)..... Note: Includes GFI and receptacle.	1,370.03	45.01
32 84 23 00-0290 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)..... Note: Includes factory installed transient protection board and AC line protection.	1,640.11	33.75
32 84 23 00-0291 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)..... Note: Includes factory installed transient protection board and AC line protection.	5,152.71	33.75
32 84 23 00-0292 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)..... Note: Includes factory installed transient protection board, AC line protection and dome antenna.	5,821.53	33.75
32 84 23 00-0293 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)..... Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,443.56	67.50
32 84 23 00-0294 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)..... Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	8,850.84	67.50
32 84 23 00-0295 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM).....	288.48	
32 84 23 00-0296 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	933.04	
32 84 23 00-0297 Central Computer For Irrigation Control Systems (32 84 23 00-0225)		
32 84 23 00-0298 EA Central Computer For Irrigation Control Systems (Calsense COMP-2)..... Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,495.68	
32 84 23 00-0299 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	11,504.98	
32 84 23 00-0300 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5)..... Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,206.10	
32 84 23 00-0301 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)..... Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,349.18	
32 84 23 00-0302 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2).....	7,004.48	
32 84 23 00-0303 EA GPRS Radio For Use At Central Computer (Calsense DTR-G).....	4,189.18	
32 84 23 00-0304 Data Access Service (32 84 23 00-0225)		
32 84 23 00-0305 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)..... Note: For communication between GPRS unit and up to 2 controllers.	35.46	
32 84 23 00-0306 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)..... Note: For communication between GPRS unit and up to 2 controllers.	387.89	
32 84 23 00-0307 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)..... Note: For communication between GPRS unit and up to 2 controllers.	1,662.38	
32 84 23 00-0308 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)..... Note: For communication between GPRS unit and multiple controllers.	144.07	
32 84 23 00-0309 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)..... Note: For communication between GPRS unit and multiple controllers.	1,551.55	
32 84 23 00-0310 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)..... Note: For communication between GPRS unit and multiple controllers.	6,649.50	
32 84 23 00-0311 Communication Options For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0312 EA FCC License Fee (Calsense).....	233.41	
32 84 23 00-0313 EA P.C.I.A. And/or A.P.C.O. Fee (Calsense)..... Note: Per frequency or frequency pair.	455.06	
32 84 23 00-0314 EA Hardware Communication Option For Irrigation Controllers (Calsense M)..... Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,285.57	
32 84 23 00-0315 EA Phone Line Communication Option For Irrigation Controllers (Calsense R).....	1,352.06	
32 84 23 00-0316 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	1,352.06	
32 84 23 00-0317 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	2,770.62	
32 84 23 00-0318 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	3,524.24	
32 84 23 00-0319 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	3,524.24	
32 84 23 00-0320 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	3,524.24	
32 84 23 00-0321 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM).....	11,304.15	
32 84 23 00-0322 EA Communication Hub For Irrigation Controllers (Calsense HUB)..... Note: Accepts up to two communication options. Excludes communication options.	4,350.56	
32 84 23 00-0323 Retrofit Options For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0324 Weather Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0325 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO).....	1,719.13	
32 84 23 00-0326 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO).....	1,719.13	
32 84 23 00-0327 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO).....	1,719.13	
32 84 23 00-0328 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO).....	1,719.13	
32 84 23 00-0329 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0330 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO).....	1,807.79	
32 84 23 00-0331 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	2,140.26	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0332 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....	3,436.92	
32 84 23 00-0333 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0334 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	2,029.44	
32 84 23 00-0335 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	4,290.27	
32 84 23 00-0336 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	5,575.84	
32 84 23 00-0337 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0338 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-RETRO).....	2,029.44	
32 84 23 00-0339 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	4,290.27	
32 84 23 00-0340 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	5,575.84	
32 84 23 00-0341 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0342 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	2,029.44	
32 84 23 00-0343 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	2,140.26	
32 84 23 00-0344 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	3,436.92	
32 84 23 00-0345 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0323)		
32 84 23 00-0346 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	2,029.44	
32 84 23 00-0347 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	4,290.27	
32 84 23 00-0348 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO).....	5,575.84	
32 84 23 00-0349 Radio Remote Units For Irrigation Controllers (32 84 23 00-0225)		
32 84 23 00-0350 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	2,040.52	
32 84 23 00-0351 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe).....	438.87	
Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.		
32 84 23 00-0352 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG).....	188.40	
32 84 23 00-0353 EA Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	332.81	
32 84 23 00-0354 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT).....	210.90	11.25
Note: Excludes antenna cable.		
32 84 23 00-0355 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP).....	410.39	11.25
Note: Excludes antenna cable.		
32 84 23 00-0356 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome).....	443.64	11.25
Note: Excludes antenna cable.		
32 84 23 00-0357 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0120)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0358 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	4,771.09	202.51
32 84 23 00-0359 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	5,031.52	213.76
32 84 23 00-0360 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	6,999.81	225.01
32 84 23 00-0361 LEIT Controllers (32 84 23 00-0120)		
32 84 23 00-0362 LEIT X Series Irrigation Controller (32 84 23 00-0361)		
32 84 23 00-0363 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	4,492.07	36.00
32 84 23 00-0364 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	4,929.56	36.00
32 84 23 00-0365 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	5,639.83	36.00
32 84 23 00-0366 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	6,350.09	36.00
32 84 23 00-0367 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	6,850.60	36.00
32 84 23 00-0368 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	7,351.11	36.00
32 84 23 00-0369 LEIT X Series Irrigation Controller Assembly (32 84 23 00-0361)		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0370 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	5,065.08	187.07
32 84 23 00-0371 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	5,502.59	187.07
32 84 23 00-0372 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	6,212.86	187.07
32 84 23 00-0373 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	6,923.11	187.07
32 84 23 00-0374 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,423.63	187.07
32 84 23 00-0375 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,924.13	187.07



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0376 Enclosure For LEIT Controller Assembly <small>(32 84 23 00-0361)</small> Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0377 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch Note: For LEIT Controller	3,430.66	251.92
32 84 23 00-0378 Hunter Controllers <small>(32 84 23 00-0120)</small>		
32 84 23 00-0379 Hunter XC Hybrid Controller <small>(32 84 23 00-0378)</small> Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0380 EA 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	735.75	90.00
32 84 23 00-0381 EA 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	936.42	112.51
32 84 23 00-0382 DC Latching Solenoid <small>(32 84 23 00-0120)</small>		
32 84 23 00-0383 EA DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers Note: As per manufacture of valve.	40.55	
32 84 23 00-0384 EA DC Solenoid For LEIT Controllers (DIG S-305DC).....	64.18	
32 84 23 00-0385 Irrigation Controller Enclosure Cabinet <small>(32 84 23 00-0120)</small> Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0386 EA 35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,259.65	494.71
32 84 23 00-0387 EA 35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,516.46	539.68
32 84 23 00-0388 EA 35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,887.95	584.65
32 84 23 00-0389 EA 35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	3,259.67	494.71
32 84 23 00-0390 EA 35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,516.46	539.68
32 84 23 00-0391 EA 35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,887.95	584.65
32 84 23 00-0392 EA 35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,062.55	494.71
32 84 23 00-0393 EA 35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,419.70	539.68
32 84 23 00-0394 EA 35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,791.19	584.65
32 84 23 00-0395 Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0396 Reduced Pressure Zone Valves With QT Shut-Offs <small>(32 84 23 00-0395)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0397 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	879.82	46.99
32 84 23 00-0398 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,043.76	57.37
32 84 23 00-0399 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,579.26	66.77
32 84 23 00-0400 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,669.19	76.67
32 84 23 00-0401 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	2,002.09	98.92
32 84 23 00-0402 Brass Quick-Coupling Irrigation Valves <small>(32 84 23 00-0395)</small>		
32 84 23 00-0403 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)..... <i>For Valve Key, Add</i>	189.50 56.50	41.00
32 84 23 00-0404 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DR)	196.03	41.00
<i>For Locking Cover, Add</i>	25.00	
<i>For Valve Key, Add</i>	56.50	
32 84 23 00-0405 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)..... <i>For Valve Key, Add</i>	267.91 144.51	41.00
32 84 23 00-0406 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)..... <i>For Valve Key, Add</i>	294.04 144.51	41.00
32 84 23 00-0407 EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	281.74	41.00
32 84 23 00-0408 EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	294.04	41.00
32 84 23 00-0409 Anti-Siphon Pressure Type Vacuum Breaker <small>(32 84 23 00-0395)</small> Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0410 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	304.08	34.62
32 84 23 00-0411 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	435.90	39.57
32 84 23 00-0412 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	791.37	45.75
32 84 23 00-0413 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	963.94	50.70
32 84 23 00-0414 EA 2" Anti-Siphon Pressure Type Vacuum Breaker	972.05	61.82
32 84 23 00-0415 Aluminum Cam And Groove Adapter <small>(32 84 23 00-0395)</small>		
32 84 23 00-0416 EA 1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread	44.10	
32 84 23 00-0417 EA 2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread.....	46.57	
32 84 23 00-0418 EA 1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread.....	45.37	
32 84 23 00-0419 EA 2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread	48.94	
32 84 23 00-0420 Manual Sprinkler Control Valves <small>(32 84 23 00-0395)</small>		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 84 23 00-0421	EA	3/4" Manual Sprinkler Control Valves, With Union.....		104.26	33.39
32 84 23 00-0422	EA	1" Manual Sprinkler Control Valves, With Union.....		127.06	35.85
32 84 23 00-0423	EA	1-1/4" Manual Sprinkler Control Valves, With Union.....		194.74	45.38
32 84 23 00-0424	EA	1-1/2" Manual Sprinkler Control Valves, With Union.....		230.84	52.30
32 84 23 00-0425	EA	2" Manual Sprinkler Control Valves, With Union.....		309.58	61.82
32 84 23 00-0426		Irrigation Piping (32 84 23)			
32 84 23 00-0427		Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0426)			
		Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.			
32 84 23 00-0428		Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0427)			
32 84 23 00-0429	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	3.77		1.14
		For >1,000, Deduct	-0.19		
32 84 23 00-0430	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.65		1.42
		For >1,000, Deduct	-0.23		
32 84 23 00-0431	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.75		1.71
		For >1,000, Deduct	-0.29		
32 84 23 00-0432	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	7.74		2.16
		For >1,000, Deduct	-0.39		
32 84 23 00-0433	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	9.84		2.71
		For >1,000, Deduct	-0.49		
32 84 23 00-0434	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	13.04		3.16
		For >1,000, Deduct	-0.65		
32 84 23 00-0435	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	17.69		4.56
		For >1,000, Deduct	-0.88		
32 84 23 00-0436	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	23.54		5.70
		For >1,000, Deduct	-1.18		
32 84 23 00-0437	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	35.10		7.11
		For >1,000, Deduct	-1.76		
32 84 23 00-0438		Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0427)			
32 84 23 00-0439	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.26		1.42
		For >1,000, Deduct	-0.21		
32 84 23 00-0440	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.09		1.71
		For >1,000, Deduct	-0.25		
32 84 23 00-0441	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	7.28		2.16
		For >1,000, Deduct	-0.36		
32 84 23 00-0442	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	9.45		2.71
		For >1,000, Deduct	-0.47		
32 84 23 00-0443	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers.....	12.45		3.16
		For >1,000, Deduct	-0.62		
32 84 23 00-0444	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	17.46		4.56
		For >1,000, Deduct	-0.87		
32 84 23 00-0445	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	24.76		5.70
		For >1,000, Deduct	-1.24		
32 84 23 00-0446	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	42.83		7.11
		For >1,000, Deduct	-2.14		
32 84 23 00-0447		Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0427)			
32 84 23 00-0448	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.59		1.42
		For >1,000, Deduct	-0.23		
32 84 23 00-0449	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.54		1.71
		For >1,000, Deduct	-0.28		
32 84 23 00-0450	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	8.14		2.16
		For >1,000, Deduct	-0.41		
32 84 23 00-0451	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	10.88		2.71
		For >1,000, Deduct	-0.54		
32 84 23 00-0452	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	14.72		3.16
		For >1,000, Deduct	-0.74		
32 84 23 00-0453	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	17.69		4.56
		For >1,000, Deduct	-0.88		
32 84 23 00-0454	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	23.54		5.70
		For >1,000, Deduct	-1.18		
32 84 23 00-0455	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	35.85		7.11
		For >1,000, Deduct	-1.79		
32 84 23 00-0456		Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted (32 84 23 00-0426)			
		Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.			
32 84 23 00-0457		Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0456)			
32 84 23 00-0458	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	6.79		1.42
		For >1,000, Deduct	-0.34		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0459	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 7.88		1.71
			<i>For >1,000, Deduct</i>	-0.39	
32 84 23 00-0460	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 9.88		2.16
			<i>For >1,000, Deduct</i>	-0.49	
32 84 23 00-0461	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 11.98		2.71
			<i>For >1,000, Deduct</i>	-0.60	
32 84 23 00-0462	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 15.18		3.16
			<i>For >1,000, Deduct</i>	-0.76	
32 84 23 00-0463	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 19.81		4.56
			<i>For >1,000, Deduct</i>	-0.99	
32 84 23 00-0464	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 25.68		5.70
			<i>For >1,000, Deduct</i>	-1.28	
32 84 23 00-0465	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 37.24		7.11
			<i>For >1,000, Deduct</i>	-1.86	
32 84 23 00-0466 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0456)					
32 84 23 00-0467	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 7.05		1.42
			<i>For >1,000, Deduct</i>	-0.35	
32 84 23 00-0468	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 8.14		1.71
			<i>For >1,000, Deduct</i>	-0.41	
32 84 23 00-0469	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 10.13		2.16
			<i>For >1,000, Deduct</i>	-0.51	
32 84 23 00-0470	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 12.23		2.71
			<i>For >1,000, Deduct</i>	-0.61	
32 84 23 00-0471	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 15.43		3.16
			<i>For >1,000, Deduct</i>	-0.77	
32 84 23 00-0472	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 20.08		4.56
			<i>For >1,000, Deduct</i>	-1.00	
32 84 23 00-0473	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 25.94		5.70
			<i>For >1,000, Deduct</i>	-1.30	
32 84 23 00-0474	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted 37.50		7.11
			<i>For >1,000, Deduct</i>	-1.88	
32 84 23 00-0475 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0456)					
32 84 23 00-0476	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 7.31		1.42
			<i>For >1,000, Deduct</i>	-0.37	
32 84 23 00-0477	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 8.40		1.71
			<i>For >1,000, Deduct</i>	-0.42	
32 84 23 00-0478	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 10.39		2.16
			<i>For >1,000, Deduct</i>	-0.52	
32 84 23 00-0479	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 12.49		2.71
			<i>For >1,000, Deduct</i>	-0.62	
32 84 23 00-0480	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 15.69		3.16
			<i>For >1,000, Deduct</i>	-0.78	
32 84 23 00-0481	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 20.34		4.56
			<i>For >1,000, Deduct</i>	-1.02	
32 84 23 00-0482	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 26.20		5.70
			<i>For >1,000, Deduct</i>	-1.31	
32 84 23 00-0483	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted 37.75		7.11
			<i>For >1,000, Deduct</i>	-1.89	
32 84 23 00-0484 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0456)					
32 84 23 00-0485	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 6.58		1.42
			<i>For >1,000, Deduct</i>	-0.33	
32 84 23 00-0486	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 7.54		1.71
			<i>For >1,000, Deduct</i>	-0.38	
32 84 23 00-0487	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 9.91		2.16
			<i>For >1,000, Deduct</i>	-0.50	
32 84 23 00-0488	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 12.66		2.71
			<i>For >1,000, Deduct</i>	-0.63	
32 84 23 00-0489	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 16.30		3.16
			<i>For >1,000, Deduct</i>	-0.82	
32 84 23 00-0490	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 19.59		4.56
			<i>For >1,000, Deduct</i>	-0.98	
32 84 23 00-0491	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 26.90		5.70
			<i>For >1,000, Deduct</i>	-1.35	
32 84 23 00-0492	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted 44.97		7.11
			<i>For >1,000, Deduct</i>	-2.25	
32 84 23 00-0493 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0456)					

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0494	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.84	1.42
			<i>For >1,000, Deduct</i>	-0.34	
32 84 23 00-0495	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.80	1.71
			<i>For >1,000, Deduct</i>	-0.39	
32 84 23 00-0496	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.16	2.16
			<i>For >1,000, Deduct</i>	-0.51	
32 84 23 00-0497	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	12.91	2.71
			<i>For >1,000, Deduct</i>	-0.65	
32 84 23 00-0498	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.55	3.16
			<i>For >1,000, Deduct</i>	-0.83	
32 84 23 00-0499	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	19.86	4.56
			<i>For >1,000, Deduct</i>	-0.99	
32 84 23 00-0500	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	27.16	5.70
			<i>For >1,000, Deduct</i>	-1.36	
32 84 23 00-0501	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	45.23	7.11
			<i>For >1,000, Deduct</i>	-2.26	
32 84 23 00-0502 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0496)					
32 84 23 00-0503	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	7.10	1.42
			<i>For >1,000, Deduct</i>	-0.36	
32 84 23 00-0504	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	8.06	1.71
			<i>For >1,000, Deduct</i>	-0.40	
32 84 23 00-0505	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.42	2.16
			<i>For >1,000, Deduct</i>	-0.52	
32 84 23 00-0506	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted.....	13.17	2.71
			<i>For >1,000, Deduct</i>	-0.66	
32 84 23 00-0507	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.81	3.16
			<i>For >1,000, Deduct</i>	-0.84	
32 84 23 00-0508	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	20.12	4.56
			<i>For >1,000, Deduct</i>	-1.01	
32 84 23 00-0509	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	27.42	5.70
			<i>For >1,000, Deduct</i>	-1.37	
32 84 23 00-0510	LF		6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	45.48	7.11
			<i>For >1,000, Deduct</i>	-2.27	
32 84 23 00-0511 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0496)					
32 84 23 00-0512	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	6.72	1.42
			<i>For >1,000, Deduct</i>	-0.34	
32 84 23 00-0513	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	7.66	1.71
			<i>For >1,000, Deduct</i>	-0.38	
32 84 23 00-0514	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.28	2.16
			<i>For >1,000, Deduct</i>	-0.51	
32 84 23 00-0515	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted.....	13.01	2.71
			<i>For >1,000, Deduct</i>	-0.65	
32 84 23 00-0516	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.87	3.16
			<i>For >1,000, Deduct</i>	-0.84	
32 84 23 00-0517	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	19.81	4.56
			<i>For >1,000, Deduct</i>	-0.99	
32 84 23 00-0518	LF		4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	25.68	5.70
			<i>For >1,000, Deduct</i>	-1.28	
32 84 23 00-0519	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	37.99	7.11
			<i>For >1,000, Deduct</i>	-1.90	
32 84 23 00-0520 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0496)					
32 84 23 00-0521	LF		3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	6.98	1.42
			<i>For >1,000, Deduct</i>	-0.35	
32 84 23 00-0522	LF		1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	7.92	1.71
			<i>For >1,000, Deduct</i>	-0.40	
32 84 23 00-0523	LF		1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.53	2.16
			<i>For >1,000, Deduct</i>	-0.53	
32 84 23 00-0524	LF		2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted.....	13.26	2.71
			<i>For >1,000, Deduct</i>	-0.66	
32 84 23 00-0525	LF		2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	17.12	3.16
			<i>For >1,000, Deduct</i>	-0.86	
32 84 23 00-0526	LF		3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	20.08	4.56
			<i>For >1,000, Deduct</i>	-1.00	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0527 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....25.94		5.70
For >1,000, Deduct	-1.30	
32 84 23 00-0528 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....38.25		7.11
For >1,000, Deduct	-1.91	
32 84 23 00-0529 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0456)		
32 84 23 00-0530 LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....7.24		1.42
For >1,000, Deduct	-0.36	
32 84 23 00-0531 LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....8.18		1.71
For >1,000, Deduct	-0.41	
32 84 23 00-0532 LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....10.79		2.16
For >1,000, Deduct	-0.54	
32 84 23 00-0533 LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....13.52		2.71
For >1,000, Deduct	-0.68	
32 84 23 00-0534 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....17.38		3.16
For >1,000, Deduct	-0.87	
32 84 23 00-0535 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....20.34		4.56
For >1,000, Deduct	-1.02	
32 84 23 00-0536 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....26.20		5.70
For >1,000, Deduct	-1.31	
32 84 23 00-0537 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....38.50		7.11
For >1,000, Deduct	-1.93	
32 84 23 00-0538 Irrigation Riser Piping With Fittings (32 84 23 00-0426)		
32 84 23 00-0539 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV.....20.63		3.42
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0540 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV.....22.35		4.27
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0541 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV.....22.14		3.99
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0542 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV.....24.27		4.98
Note: Includes #4 steel reinforcing bar, stainless steel hose clamp		
32 84 23 00-0543 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I.....44.27		5.98
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0544 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I.....47.31		7.48
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0545 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I.....52.16		7.69
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0546 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I.....56.06		9.61
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0547 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I.....60.05		9.40
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0548 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I.....64.82		11.75
Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties		
32 84 23 00-0549 Irrigation Crossover Piping With Fittings (32 84 23 00-0426)		
Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0593 for irrigation wiring.		
32 84 23 00-0550 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0549)		
32 84 23 00-0551 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation .....51.99		
For >1,000, Deduct	-2.60	
32 84 23 00-0552 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation .....75.01		
For >1,000, Deduct	-3.75	
32 84 23 00-0553 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....105.16		
For >1,000, Deduct	-5.26	
32 84 23 00-0554 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation.....140.22		
For >1,000, Deduct	-7.01	
32 84 23 00-0555 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench (32 84 23 00-0549)		
32 84 23 00-0556 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation .....52.78		
For >1,000, Deduct	-2.64	
32 84 23 00-0557 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation .....75.88		
For >1,000, Deduct	-3.79	
32 84 23 00-0558 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....106.12		
For >1,000, Deduct	-5.31	
32 84 23 00-0559 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....141.25		
For >1,000, Deduct	-7.06	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0560		Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench (32 84 23 00-0549)		
32 84 23 00-0561	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation.....	53.55	
		<i>For >1,000, Deduct</i>	-2.68	
32 84 23 00-0562	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	76.75	
		<i>For >1,000, Deduct</i>	-3.84	
32 84 23 00-0563	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	107.07	
		<i>For >1,000, Deduct</i>	-5.35	
32 84 23 00-0564	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	142.29	
		<i>For >1,000, Deduct</i>	-7.11	
32 84 23 00-0565		Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore (32 84 23 00-0549)		
32 84 23 00-0566	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	110.17	
		<i>For >1,000, Deduct</i>	-5.51	
32 84 23 00-0567	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	144.96	
		<i>For >1,000, Deduct</i>	-7.25	
32 84 23 00-0568	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	180.91	
		<i>For >1,000, Deduct</i>	-9.05	
32 84 23 00-0569	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation	221.76	
		<i>For >1,000, Deduct</i>	-11.09	
32 84 23 00-0570		Below Ground Cam Adapter Assembly (32 84 23 00-0426)		
		Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0571	EA	Below Ground Cam Adapter Assembly.....	758.10	
		Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0572		Above Ground Cam Adapter Assembly (32 84 23 00-0426)		
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0573	EA	Above Ground Cam Adapter Assembly	469.38	
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0574		Thrust Block (32 84 23 00-0426)		
32 84 23 00-0575	EA	Thrust Block For 1-1/2" Pipe Size And Smaller.....	38.62	
32 84 23 00-0576	EA	Thrust Block For 2" Pipe	66.31	
32 84 23 00-0577	EA	Thrust Block For 3" And 4" Pipe.....	94.02	
32 84 23 00-0578	EA	Thrust Block For 6" Pipe.....	150.01	
32 84 23 00-0579	EA	Thrust Block For 8" Pipe.....	213.05	
32 84 23 00-0580		Irrigation Swing Joints (32 84 23)		
32 84 23 00-0581	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075).....	72.43	22.66
32 84 23 00-0582	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12).....	82.54	25.31
32 84 23 00-0583	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	113.29	25.31
32 84 23 00-0584	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	48.04	29.54
		Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0585	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	64.19	39.41
		Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0586	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	80.90	48.33
		Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0587	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	68.15	30.00
		Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0588	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	90.11	39.80
		Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0589	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	110.98	48.81
		Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0590	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	38.40	18.37
		Note: Consists of two street 90 degree elbows.		
32 84 23 00-0591	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	51.32	24.50
		Note: Consists of two street 90 degree elbows.		
32 84 23 00-0592	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III.....	61.04	30.37
		Note: Consists of two street 90 degree elbows.		
32 84 23 00-0593		Irrigation Control Wire (32 84 23)		
		Note: Excludes excavation and backfill.		
32 84 23 00-0594		18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0593)		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0595	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	54.67	17.09
32 84 23 00-0596	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	71.77	19.93
32 84 23 00-0597	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	82.59	22.77
32 84 23 00-0598	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	94.55	25.62
32 84 23 00-0599	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	107.64	28.47
32 84 23 00-0600	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	128.72	31.32
32 84 23 00-0601	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	148.94	34.16
32 84 23 00-0602	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	161.84	37.01
32 84 23 00-0603	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	177.72	39.86
32 84 23 00-0604	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	195.97	42.71
32 84 23 00-0605	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	202.78	45.56
32 84 23 00-0606	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	210.76	48.40
32 84 23 00-0607	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	222.34	51.25
32 84 23 00-0608			16 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0593)</small>		
32 84 23 00-0609	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	57.70	17.09
32 84 23 00-0610			14 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0593)</small>		
32 84 23 00-0611	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	57.71	17.09
32 84 23 00-0612			12 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0593)</small>		
32 84 23 00-0613	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	77.74	17.09
32 84 23 00-0614			10 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0593)</small>		
32 84 23 00-0615	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	103.13	17.09
32 84 23 00-0616			Root Watering Systems <small>(32 84 23)</small>		
			Note: Includes swing assembly.		
32 84 23 00-0617	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	118.91	22.77
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0618	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	129.08	22.77
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0619	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	118.91	22.77
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0620	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	129.08	22.77
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0621	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	129.08	22.77
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0622	EA		0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	103.12	19.93
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0623	EA		0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	112.88	19.93
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0624	EA		0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	103.12	19.93
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0625	EA		0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	112.88	19.93
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0626	EA		0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401).....	67.81	17.09
			<i>For Root Watering Sand Sock, Add</i>	1.61	
32 84 23 00-0627	EA		0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	77.11	17.09
			<i>For Root Watering Sand Sock, Add</i>	1.61	

32 90 Planting (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varieties. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation (32 90)

32 91 13 Soil Preparation (32 91)

32 91 13 16 Mulching (32 91 13)

32 91 13 16-0001 Mulch (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	130.05
		<i>For >5 To 20, Deduct</i>	-10.18
		<i>For >20 To 50, Deduct</i>	-15.26
		<i>For >50, Deduct</i>	-21.77
		<i>For Work On Slopes >2.5:1, Add</i>	14.70

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91	13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	303.47	
			<i>For >5 To 20, Deduct</i>	-18.85	
			<i>For >20 To 50, Deduct</i>	-28.27	
			<i>For >50, Deduct</i>	-43.44	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	127.17	
			<i>For >5 To 20, Deduct</i>	-10.03	
			<i>For >20 To 50, Deduct</i>	-15.05	
			<i>For >50, Deduct</i>	-21.41	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0005	CY	Pine Bark Nugget Mulch	108.52	
			<i>For >5 To 20, Deduct</i>	-9.10	
			<i>For >20 To 50, Deduct</i>	-13.65	
			<i>For >50, Deduct</i>	-19.08	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0006	CY	Hardwood Bark Nugget Mulch	107.12	
			<i>For >5 To 20, Deduct</i>	-9.03	
			<i>For >20 To 50, Deduct</i>	-13.55	
			<i>For >50, Deduct</i>	-18.90	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0007	CY	Pine Wood Chip Mulch	104.31	
			<i>For >5 To 20, Deduct</i>	-8.89	
			<i>For >20 To 50, Deduct</i>	-13.33	
			<i>For >50, Deduct</i>	-18.55	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0008	CY	Hardwood Chip Mulch	109.92	
			<i>For >5 To 20, Deduct</i>	-9.17	
			<i>For >20 To 50, Deduct</i>	-13.76	
			<i>For >50, Deduct</i>	-19.25	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0009	CY	Shredded Hardwood Mulch	109.92	
			<i>For >5 To 20, Deduct</i>	-9.17	
			<i>For >20 To 50, Deduct</i>	-13.76	
			<i>For >50, Deduct</i>	-19.25	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0010	CY	Shredded Pine Mulch	97.31	
			<i>For >5 To 20, Deduct</i>	-8.54	
			<i>For >20 To 50, Deduct</i>	-12.81	
			<i>For >50, Deduct</i>	-17.67	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0011	CY	Shredded Cedar Mulch	124.63	
			<i>For >5 To 20, Deduct</i>	-9.91	
			<i>For >20 To 50, Deduct</i>	-14.86	
			<i>For >50, Deduct</i>	-21.09	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0012	CY	Shredded Cypress Mulch	122.53	
			<i>For >5 To 20, Deduct</i>	-9.80	
			<i>For >20 To 50, Deduct</i>	-14.70	
			<i>For >50, Deduct</i>	-20.83	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0013	CY	Shredded Redwood Mulch	128.14	
			<i>For >5 To 20, Deduct</i>	-10.08	
			<i>For >20 To 50, Deduct</i>	-15.12	
			<i>For >50, Deduct</i>	-21.53	
			<i>For Work On Slopes >2.5:1, Add</i>	14.70	
32 91	13 16-0014	CY	Chunk Recycled Tire Mulch	191.76	
			<i>For >5 To 20, Deduct</i>	-14.27	
			<i>For >20 To 50, Deduct</i>	-21.41	
			<i>For >50, Deduct</i>	-30.99	
			<i>For Work On Slopes >2.5:1, Add</i>	18.73	
32 91	13 16-0015	CY	Chunk Colored Recycled Tire Mulch	288.47	
			<i>For >5 To 20, Deduct</i>	-19.11	
			<i>For >20 To 50, Deduct</i>	-28.66	
			<i>For >50, Deduct</i>	-43.08	
			<i>For Work On Slopes >2.5:1, Add</i>	18.73	
32 91	13 16-0016	CY	Shredded Recycled Tire Mulch	289.87	
			<i>For >5 To 20, Deduct</i>	-19.18	
			<i>For >20 To 50, Deduct</i>	-28.76	
			<i>For >50, Deduct</i>	-43.26	
			<i>For Work On Slopes >2.5:1, Add</i>	18.73	
32 91	13 16-0017	CY	Shredded Colored Recycled Tire Mulch	483.28	
			<i>For >5 To 20, Deduct</i>	-28.85	
			<i>For >20 To 50, Deduct</i>	-43.27	
			<i>For >50, Deduct</i>	-67.43	
			<i>For Work On Slopes >2.5:1, Add</i>	18.73	
32 91	13 16-0018	EA	Pine Straw Mulch Bale	8.95	
			Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-0.85	
			<i>For >500, Deduct</i>	-1.10	
			<i>For Work On Slopes >2.5:1, Add</i>	0.81	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0019 EA Wheat Straw Mulch Bale 8.80 Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen. <i>For >100 To 250, Deduct</i> -0.59 <i>For >250 To 500, Deduct</i> -0.74 <i>For >500, Deduct</i> -1.03 <i>For Work On Slopes >2.5:1, Add</i> 0.61		
32 91 13 16-0020 Compost Soil Amendment (AgriService) ^(32 91 13 16) Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
32 91 13 16-0021 CY Humic Compost (OIM) 93.90 Note: (Agri Service or Equal) <i>For Work On Slopes >2.5:1, Add</i> 14.70 <i>For >100 To 1,000, Deduct</i> -15.72 <i>For >1,000, Deduct</i> -24.09		
32 91 13 26 Planting Beds ^(32 91 13) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0001 Plant Bed Preparation ^(32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002 SF Up To 8" Deep, Prepare And Mix Plant Bed, By Machine 1.16 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i> 0.23		
32 91 13 26-0003 SF >8" To 13" Deep, Prepare And Mix Plant Bed, By Machine 1.33 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i> 0.27		
32 91 13 26-0004 SF >13" To 18" Deep, Prepare And Mix Plant Bed, By Machine 1.57 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i> 0.31		
32 91 13 26-0005 SF Up To 8" Deep, Prepare And Mix Plant Bed By Hand 5.21 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i> 1.04		
32 91 13 26-0006 SF >8" To 13" Deep, Prepare And Mix Plant Bed By Hand 5.98 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i> 1.20		
32 91 13 26-0007 SF >13" To 18" Deep, Prepare And Mix Plant Bed By Hand 7.03 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. <i>For Work On Slopes >2.5:1, Add</i> 1.41		
32 91 13 26-0008 Plant Bed Preparation With Humic Compost ^(32 91 13 26)		
32 91 13 26-0009 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) 1.27 Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. <i>For Work On Slopes >2.5:1, Add</i> 0.24 <i>For >1,000 To 5,000, Deduct</i> -0.18 <i>For >5,000 To 10,000, Deduct</i> -0.30 <i>For >10,000 To 20,000, Deduct</i> -0.61 <i>For >20,000, Deduct</i> -0.85		
32 91 13 26-0010 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF) 1.58 Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. <i>For Work On Slopes >2.5:1, Add</i> 0.29 <i>For >1,000 To 5,000, Deduct</i> -0.22 <i>For >5,000 To 10,000, Deduct</i> -0.37 <i>For >10,000 To 20,000, Deduct</i> -0.74 <i>For >20,000, Deduct</i> -1.03		
32 91 13 26-0011 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF) 1.88 Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. <i>For Work On Slopes >2.5:1, Add</i> 0.34 <i>For >1,000 To 5,000, Deduct</i> -0.26 <i>For >5,000 To 10,000, Deduct</i> -0.43 <i>For >10,000 To 20,000, Deduct</i> -0.86 <i>For >20,000, Deduct</i> -1.21		
32 91 13 26-0012 Planting Pit Preparation ^(32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013 CY Excavate Planting Pit By Hand, Sandy Soil 90.00 Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i> 18.00		
32 91 13 26-0014 CY Excavate Planting Pit By Hand, Heavy Soil 180.00 Note: For use with existing planting pits. <i>For Work On Slopes >2.5:1, Add</i> 36.00		

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 91 13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil		14.55	
		Note: For use with existing planting pits.			
		<i>For Work On Slopes >2.5:1, Add</i>		2.91	
32 91 13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil		18.94	
		Note: For use with existing planting pits.			
		<i>For Work On Slopes >2.5:1, Add</i>		3.79	
32 91 13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile		79.98	
		<i>For Work On Slopes >2.5:1, Add</i>		16.00	
32 91 13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix		134.41	
		<i>For Work On Slopes >2.5:1, Add</i>		14.59	
32 91 13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile		7.84	
		<i>For Work On Slopes >2.5:1, Add</i>		1.57	
32 91 13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....		80.91	
		<i>For Work On Slopes >2.5:1, Add</i>		3.89	
32 91 13 26-0021		Weed Barrier <small>(32 91 13 26)</small>			
32 91 13 26-0022	SY	Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier		2.39	
		<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 26-0023	SY	4 Oz/SY Woven, Polypropylene Weed Barrier.....		3.24	
		<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 26-0024	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier		3.62	
		<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 33		Soil Conditioners <small>(32 91 13)</small>			
32 91 13 33-0001		Spread Soil Conditioners <small>(32 91 13 33)</small>			
32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader.....		0.43	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 LB/MSF Tractor Spreader.....		40.84	
32 91 13 33-0004	MSF	Fertilizer, 20 LB/MSF, Push Spreader		7.40	
32 91 13 33-0005	MSF	Fertilizer, 20 LB/MSF, Tractor Spread		3.10	
32 91 13 33-0006	MSF	Fertilizer, 20 LB/MSF, Truck Spread.....		5.56	
32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader.....		0.10	
32 91 13 33-0008	MSF	Pelletized Lime, 110 LB/MSF, Tractor Spreader.....		7.80	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader.....		3.71	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader.....		385.54	
32 91 13 33-0011	SY	Vermiculite, Push Spreader		3.44	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader		376.61	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader		0.22	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader		20.44	
32 91 13 36		Lawn Bed Preparation <small>(32 91 13)</small>			
32 91 13 36-0001		Lawn Bed Preparation <small>(32 91 13 36)</small>			
32 91 13 36-0002	MSF	Rake Topsoil With Machine		90.50	
32 91 13 36-0003	MSF	Rake Topsoil By Hand		71.99	
32 91 13 36-0004	MSF	Screen Loam By Hand.....		47.99	
32 91 13 36-0005	SY	Roll Topsoil With Machine		1.16	
32 91 13 36-0006	SY	Roll Topsoil By Hand		3.22	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine.....		10.71	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand.....		33.09	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders		56.00	
		<i>For >45 to 225, Deduct</i>		-39.20	
		<i>For >225, Deduct</i>		-50.40	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders.....		93.35	
		<i>For >45 to 225, Deduct</i>		-65.35	
		<i>For >225, Deduct</i>		-84.02	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor.....		5.04	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor		10.22	
		<i>For Work On Slopes >2.5:1, Add</i>		2.04	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller.....		0.77	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller		0.92	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller		1.15	
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds.....		1.27	
32 91 13 36-0017		Sod Removal <small>(32 91 13 36)</small>			
32 91 13 36-0018	SY	Removal Of Sod By Hand.....		6.07	
		<i>For Work On Slopes >2.5:1, Add</i>		1.21	
32 91 13 36-0019	SY	Removal Of Sod With Machine.....		0.68	
		<i>For Work On Slopes >2.5:1, Add</i>		0.14	
32 91 13 36-0020	SY	Pile Sod By Hand.....		3.60	
		<i>For Work On Slopes >2.5:1, Add</i>		0.72	
32 91 13 36-0021	SY	Pile Sod With Machine.....		1.27	
		<i>For Work On Slopes >2.5:1, Add</i>		0.25	
32 91 19		Landscape Grading <small>(32 91)</small>			
32 91 19 13		Topsoil Placement and Grading <small>(32 91 19)</small>			



Exterior Improvements		32
	Planting	32 90
	Planting Preparation	32 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0001			Remove And Stockpile Topsoil On Site (32 91 19 13)		
32 91 19 13-0002	CY		Removal Of Topsoil, 4" Deep Stockpile On Site	5.31	
32 91 19 13-0003	CY		Removal Of Topsoil, 6" Deep Stockpile On Site	5.25	
32 91 19 13-0004			Screening Topsoil (32 91 19 13)		
32 91 19 13-0005	CY		Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.49	
32 91 19 13-0006	CY		Screen Topsoil With Vibrating Screen, Dry Material	7.67	
32 91 19 13-0007			Spreading Topsoil From Stockpile (32 91 19 13)		
32 91 19 13-0008	CY		Spread Topsoil By Machine From Stockpile	8.66	
32 91 19 13-0009	CY		Spread Topsoil By Hand From Stockpile	68.70	
32 91 19 13-0010			Furnish And Place Imported Screened Topsoil (32 91 19 13)		
			Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0011	SY		Furnish And Place Imported Screened Topsoil, 2" Deep	4.54	
			<i>For Unscreened, Deduct</i>	-0.64	
32 91 19 13-0012	SY		Furnish And Place Imported Screened Topsoil, 4" Deep	8.75	
			<i>For Unscreened, Deduct</i>	-1.29	
32 91 19 13-0013	SY		Furnish And Place Imported Screened Topsoil, 6" Deep	12.70	
			<i>For Unscreened, Deduct</i>	-1.93	
32 91 19 13-0014	SY		Furnish And Place Imported Screened Topsoil, 9" Deep	18.42	
			<i>For Unscreened, Deduct</i>	-2.90	
32 91 19 13-0015	SY		Furnish And Place Imported Screened Topsoil, 12" Deep	24.14	
			<i>For Unscreened, Deduct</i>	-3.86	
32 91 19 13-0016	CY		Furnish And Place Imported Screened Topsoil, Over 12" Deep	67.14	
			<i>For Unscreened, Deduct</i>	-11.59	
32 91 19 13-0017			Scarify Soil For Planting Preparation (32 91 19 13)		
			Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 13-0018	MSF		Up To 5,000 SF Scarify Up To 8" Soil With Machine	68.10	
32 91 19 13-0019	MSF		>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	47.66	
32 91 19 13-0020	MSF		>20,000 SF Scarify Up To 8" Soil With Machine	27.97	
32 92			Turf and Grasses (32 90)		
32 92 16			Plugging (32 92)		
32 92 16 00-0001			Bermuda Or Centipede Plugging, 1" Deep (32 92 16)		
			Note: Includes fine grade and soil preparation.		
32 92 16 00-0002			6" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0003	MSF		Plugging By Hand, 6" On Center	232.49	
32 92 16 00-0004	MSF		Plugging By Walk Behind Planter, 6" On Center	31.46	
32 92 16 00-0005	MSF		Plugging By Towed Planter, 6" On Center	23.27	
32 92 16 00-0006			9" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0007	MSF		Plugging By Hand, 9" On Center	178.36	
32 92 16 00-0008	MSF		Plugging By Walk Behind Planter, 9" On Center	24.66	
32 92 16 00-0009	MSF		Plugging By Towed Planter, 9" On Center	17.44	
32 92 16 00-0010			12" On Center Plugging (32 92 16 00-0001)		
32 92 16 00-0011	MSF		Plugging By Hand, 12" On Center	150.26	
32 92 16 00-0012	MSF		Plugging By Walk Behind Planter, 12" On Center	16.71	
32 92 16 00-0013	MSF		Plugging By Towed Planter, 12" On Center	11.16	
32 92 19			Seeding (32 92)		
32 92 19 13			Mechanical Seeding (32 92 19)		
			Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 13-0001			Tractor Spreader Mechanical Seeding (32 92 19 13)		
			Note: Excludes straw.		
32 92 19 13-0002	MSF		Common Bluegrass, Tractor Spreader	47.03	
			Note: 4 LB/MSF spread rate.		
32 92 19 13-0003	MSF		Tall Fescue, Tractor Spreader	38.55	
			Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004	MSF		Rye, Tractor Spreader	39.29	
			Note: 10 LB/MSF spread rate.		
32 92 19 13-0005	MSF		Shade Mix, Tractor Spreader	43.07	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
32 92 19 13-0006	MSF		Turf Mix, Tractor Spreader	45.77	
			Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0007	MSF		Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	42.16	
32 92 19 13-0008	MSF		Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	37.66	
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	29.17	
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate.	96.33	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	56.61	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	29.07	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	32.69	
32 92 19 13-0014			Hydro Or Air Mechanical Seeding <small>(32 92 19 13)</small>		
32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	95.62	
			<i>For Spot Areas Up To 1, Add</i>	101.41	
			<i>For >1 To 4, Add</i>	65.06	
			<i>For >4 To 7.5, Add</i>	44.01	
			<i>For >7.5 To 10, Add</i>	22.01	
			<i>For >45, Deduct</i>	-7.65	
			<i>For Tackifier, Add</i>	1.44	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	101.43	
			<i>For Spot Areas Up To 1, Add</i>	103.73	
			<i>For >1 To 4, Add</i>	66.22	
			<i>For >4 To 7.5, Add</i>	44.60	
			<i>For >7.5 To 10, Add</i>	22.30	
			<i>For >45, Deduct</i>	-7.94	
			<i>For Tackifier, Add</i>	1.44	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	95.87	
			<i>For Spot Areas Up To 1, Add</i>	101.51	
			<i>For >1 To 4, Add</i>	65.11	
			<i>For >4 To 7.5, Add</i>	44.04	
			<i>For >7.5 To 10, Add</i>	22.02	
			<i>For >45, Deduct</i>	-7.66	
			<i>For Tackifier, Add</i>	1.44	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	95.62	
			<i>For Spot Areas Up To 1, Add</i>	101.41	
			<i>For >1 To 4, Add</i>	65.06	
			<i>For >4 To 7.5, Add</i>	44.01	
			<i>For >7.5 To 10, Add</i>	22.01	
			<i>For >45, Deduct</i>	-7.65	
			<i>For Tackifier, Add</i>	1.44	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	101.43	
			<i>For Spot Areas Up To 1, Add</i>	103.73	
			<i>For >1 To 4, Add</i>	66.22	
			<i>For >4 To 7.5, Add</i>	44.60	
			<i>For >7.5 To 10, Add</i>	22.30	
			<i>For >45, Deduct</i>	-7.94	
			<i>For Tackifier, Add</i>	1.44	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	98.94	
			<i>For Spot Areas Up To 1, Add</i>	102.74	
			<i>For >1 To 4, Add</i>	65.72	
			<i>For >4 To 7.5, Add</i>	44.35	
			<i>For >7.5 To 10, Add</i>	22.17	
			<i>For >45, Deduct</i>	-7.82	
			<i>For Tackifier, Add</i>	1.44	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	96.93	
			<i>For Spot Areas Up To 1, Add</i>	101.93	
			<i>For >1 To 4, Add</i>	65.32	
			<i>For >4 To 7.5, Add</i>	44.15	
			<i>For >7.5 To 10, Add</i>	22.07	
			<i>For >45, Deduct</i>	-7.72	
			<i>For Tackifier, Add</i>	1.44	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding Note: 0.10 LB/MSF spread rate.	90.46	
			<i>For Spot Areas Up To 1, Add</i>	99.35	
			<i>For >1 To 4, Add</i>	64.03	
			<i>For >4 To 7.5, Add</i>	43.50	
			<i>For >7.5 To 10, Add</i>	21.75	
			<i>For >45, Deduct</i>	-7.39	
			<i>For Tackifier, Add</i>	1.44	



		Exterior Improvements	32
		Planting	32 90
		Turf and Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding.....	148.77	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	122.67	
For >1 To 4, Add	75.69	
For >4 To 7.5, Add	49.33	
For >7.5 To 10, Add	24.66	
For >45, Deduct	-10.31	
For Tackifier, Add	1.44	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding	130.52	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1, Add	115.37	
For >1 To 4, Add	72.04	
For >4 To 7.5, Add	47.50	
For >7.5 To 10, Add	23.75	
For >45, Deduct	-9.40	
For Tackifier, Add	1.44	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	82.58	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	96.19	
For >1 To 4, Add	62.45	
For >4 To 7.5, Add	42.71	
For >7.5 To 10, Add	21.36	
For >45, Deduct	-7.00	
For Tackifier, Add	1.44	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding	92.30	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	100.08	
For >1 To 4, Add	64.40	
For >4 To 7.5, Add	43.68	
For >7.5 To 10, Add	21.84	
For >45, Deduct	-7.49	
For Tackifier, Add	1.44	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	97.28	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	102.07	
For >1 To 4, Add	65.39	
For >4 To 7.5, Add	44.18	
For >7.5 To 10, Add	22.09	
For >45, Deduct	-7.74	
For Tackifier, Add	1.44	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium	121.43	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-7.51	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium	141.41	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-8.58	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium	161.48	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-9.66	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium	181.57	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-10.74	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium	201.78	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-11.83	
32 92 19 19 Seeding by Hand <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 19-0001 Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
Note: Excludes straw.		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	112.90	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-7.89	
For >20 To 45, Deduct	-15.22	
For >45, Deduct	-24.79	
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	104.42	
Note: 5.5 LB/MSF spread rate.		
For >5 To 20, Deduct	-7.47	
For >20 To 45, Deduct	-14.58	
For >45, Deduct	-23.94	
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	105.16	
Note: 10 LB/MSF spread rate.		
For >5 To 20, Deduct	-7.51	
For >20 To 45, Deduct	-14.64	
For >45, Deduct	-24.01	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand	108.94	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For >5 To 20, Deduct	-7.70	
For >20 To 45, Deduct	-14.92	
For >45, Deduct	-24.39	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	111.64	
			<i>For >5 To 20, Deduct</i>	-7.83	
			<i>For >20 To 45, Deduct</i>	-15.12	
			<i>For >45, Deduct</i>	-24.66	
32 92 19 19-0007	MSF		Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	108.03	
			<i>For >5 To 20, Deduct</i>	-7.65	
			<i>For >20 To 45, Deduct</i>	-14.85	
			<i>For >45, Deduct</i>	-24.30	
32 92 19 19-0008	MSF		Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	103.53	
			<i>For >5 To 20, Deduct</i>	-7.43	
			<i>For >20 To 45, Deduct</i>	-14.51	
			<i>For >45, Deduct</i>	-23.85	
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	95.04	
			<i>For >5 To 20, Deduct</i>	-7.00	
			<i>For >20 To 45, Deduct</i>	-13.88	
			<i>For >45, Deduct</i>	-23.00	
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	162.20	
			<i>For >5 To 20, Deduct</i>	-10.36	
			<i>For >20 To 45, Deduct</i>	-18.91	
			<i>For >45, Deduct</i>	-29.72	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	122.48	
			<i>For >5 To 20, Deduct</i>	-8.37	
			<i>For >20 To 45, Deduct</i>	-15.93	
			<i>For >45, Deduct</i>	-25.75	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	94.94	
			<i>For >5 To 20, Deduct</i>	-7.00	
			<i>For >20 To 45, Deduct</i>	-13.87	
			<i>For >45, Deduct</i>	-22.99	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	98.56	
			<i>For >5 To 20, Deduct</i>	-7.18	
			<i>For >20 To 45, Deduct</i>	-14.14	
			<i>For >45, Deduct</i>	-23.35	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	114.48	
			<i>For >5 To 20, Deduct</i>	-7.97	
			<i>For >20 To 45, Deduct</i>	-15.33	
			<i>For >45, Deduct</i>	-24.95	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	109.91	
			<i>For >5 To 20, Deduct</i>	-7.75	
			<i>For >20 To 45, Deduct</i>	-14.99	
			<i>For >45, Deduct</i>	-24.49	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	106.59	
			<i>For >5 To 20, Deduct</i>	-7.58	
			<i>For >20 To 45, Deduct</i>	-14.74	
			<i>For >45, Deduct</i>	-24.16	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	113.23	
			<i>For >5 To 20, Deduct</i>	-7.91	
			<i>For >20 To 45, Deduct</i>	-15.24	
			<i>For >45, Deduct</i>	-24.82	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	108.25	
			<i>For >5 To 20, Deduct</i>	-7.66	
			<i>For >20 To 45, Deduct</i>	-14.87	
			<i>For >45, Deduct</i>	-24.32	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	111.64	
			<i>For >5 To 20, Deduct</i>	-7.83	
			<i>For >20 To 45, Deduct</i>	-15.12	
			<i>For >45, Deduct</i>	-24.66	
32 92 23	Sodding		<small>(32 92)</small> Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.		
32 92 23 00-0001	Bermuda Sod		<small>(32 92 23)</small>		
32 92 23 00-0002	MSF		Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	1,563.99	
32 92 23 00-0003	MSF		>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	1,319.82	
32 92 23 00-0004	MSF		>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	1,123.73	
32 92 23 00-0005	MSF		>8,000 SF, Bermuda Sod, Installed On Level Ground	984.33	
32 92 23 00-0006	MSF		Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,919.05	
32 92 23 00-0007	MSF		>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,620.41	
32 92 23 00-0008	MSF		>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,331.11	



		Exterior Improvements	32
		Planting	32 90
		Turf and Grasses	32 92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-009			MSF >8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,160.69	
32 92 23 00-010			Zoysia Sod <small>(32 92 23)</small>		
32 92 23 00-011			MSF Up To 1,000 SF, Zoysia Sod, Installed On Level Ground.....	2,266.59	
32 92 23 00-012			MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground.....	1,845.01	
32 92 23 00-013			MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground.....	1,561.39	
32 92 23 00-014			MSF >8,000 SF, Zoysia Sod, Installed On Level Ground.....	1,334.45	
32 92 23 00-015			MSF Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,619.30	
32 92 23 00-016			MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,145.60	
32 92 23 00-017			MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,768.77	
32 92 23 00-018			MSF >8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,510.81	
32 92 23 00-019			Tall Fescue Sod <small>(32 92 23)</small>		
32 92 23 00-020			MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground.....	2,361.91	
			<i>For Hybrid Fescue "Marathon", Add</i>	161.74	
32 92 23 00-021			MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,916.49	
			<i>For Hybrid Fescue "Marathon", Add</i>	121.84	
32 92 23 00-022			MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,620.96	
			<i>For Hybrid Fescue "Marathon", Add</i>	101.89	
32 92 23 00-023			MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,382.11	
			<i>For Hybrid Fescue "Marathon", Add</i>	81.94	
32 92 23 00-024			MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,714.62	
			<i>For Hybrid Fescue "Marathon", Add</i>	161.74	
32 92 23 00-025			MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,217.08	
			<i>For Hybrid Fescue "Marathon", Add</i>	121.84	
32 92 23 00-026			MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,828.34	
			<i>For Hybrid Fescue "Marathon", Add</i>	101.89	
32 92 23 00-027			MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,558.47	
			<i>For Hybrid Fescue "Marathon", Add</i>	81.94	
32 92 23 00-028			Centipede Sod <small>(32 92 23)</small>		
32 92 23 00-029			MSF Up To 1,000 SF, Centipede Sod, Installed On Level Ground.....	1,995.90	
32 92 23 00-030			MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground.....	1,641.99	
32 92 23 00-031			MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground.....	1,392.21	
32 92 23 00-032			MSF >8,000 SF, Centipede Sod, Installed On Level Ground.....	1,199.10	
32 92 23 00-033			MSF Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,348.61	
32 92 23 00-034			MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,942.58	
32 92 23 00-035			MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,599.59	
32 92 23 00-036			MSF >8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,375.46	
32 92 23 00-037			Kentucky Blue Grass Sod <small>(32 92 23)</small>		
32 92 23 00-038			MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,900.44	
32 92 23 00-039			MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,570.39	
32 92 23 00-040			MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,332.54	
32 92 23 00-041			MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,151.38	
32 92 23 00-042			MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,253.15	
32 92 23 00-043			MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,870.98	
32 92 23 00-044			MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,539.92	
32 92 23 00-045			MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,327.74	
32 92 23 00-046			Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar <small>(32 92 23)</small>		
32 92 23 00-047			MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,757.26	
32 92 23 00-048			MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,463.00	
32 92 23 00-049			MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,243.05	
32 92 23 00-050			MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,079.78	
32 92 23 00-051			MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,109.97	
32 92 23 00-052			MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,763.59	
32 92 23 00-053			MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,450.43	
32 92 23 00-054			MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,256.14	
32 92 23 00-055			GN-1 Sod <small>(32 92 23)</small>		
32 92 23 00-056			MSF Up To 1,000 SF, GN-1 Sod, Installed On Level Ground.....	2,252.90	
32 92 23 00-057			MSF >1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground.....	1,834.74	
32 92 23 00-058			MSF >4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,552.83	
32 92 23 00-059			MSF >8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,327.60	
32 92 23 00-060			MSF Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,605.61	
32 92 23 00-061			MSF >1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,135.33	
32 92 23 00-062			MSF >4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,760.21	
32 92 23 00-063			MSF >8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,503.96	

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001		Ornamental Grasses <small>(32 93 13)</small>		
32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass.....	34.95	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass.....	64.60	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass.....	117.41	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass.....	213.69	
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass.....	26.75	
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass.....	35.57	
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass.....	38.07	
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass.....	26.68	
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass.....	35.57	
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass.....	86.06	
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	33.77	
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	43.77	
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	83.68	
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	31.35	
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	49.28	
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	84.34	
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass.....	29.18	
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass.....	74.23	
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass.....	97.86	
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass.....	92.38	
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass.....	103.78	
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass.....	171.21	
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass.....	50.16	
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass.....	75.08	
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass.....	38.29	
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass.....	53.36	
32 93 13 00-0028		Ground Covers <small>(32 93 13)</small>		
32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant.....	12.35	
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant.....	33.30	
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant.....	110.11	
32 93 13 00-0032	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	10.54	
32 93 13 00-0033	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac.....	29.33	
32 93 13 00-0034	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	10.54	
32 93 13 00-0035	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac.....	27.40	
32 93 13 00-0036	EA	1 Gallon Dietes Vegata - Fortnight Lily.....	9.24	
32 93 13 00-0037	EA	5 Gallon Dietes Vegata - Fortnight Lily.....	22.77	
32 93 13 00-0038	EA	1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	17.17	
32 93 13 00-0039	EA	5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush.....	45.10	
32 93 13 00-0040	EA	4" Pot Miscanthus 'Morning Light' - NCN.....	12.87	
32 93 13 00-0041	EA	20 Count Flat Miscanthus 'Morning Light' - NCN.....	189.84	
32 93 13 00-0042	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass.....	17.17	
32 93 13 00-0043	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine.....	9.33	
32 93 13 00-0044	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine.....	23.38	
32 93 13 00-0045	EA	1 Gallon Westringia Fruticosa - Coast Rosemary.....	9.24	
32 93 13 00-0046	EA	5 Gallon Westringia Fruticosa - Coast Rosemary.....	22.77	
32 93 13 00-0047	EA	15 Gallon Westringia Fruticosa - Coast Rosemary.....	93.46	
32 93 13 00-0048	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	42.82	
32 93 13 00-0049	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	55.74	
32 93 13 00-0050	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper.....	70.55	
32 93 13 00-0051	EA	1 Quart Waldsteinia temata - Barren Strawberry.....	12.12	
32 93 13 00-0052	EA	1 Gallon Waldsteinia temata - Barren Strawberry.....	29.08	
32 93 13 00-0053	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	39.58	
32 93 13 00-0054	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	75.13	
32 93 13 00-0055	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	132.48	
32 93 13 00-0056	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope.....	13.55	
32 93 13 00-0057	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	25.04	
32 93 13 00-0058	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	88.05	
32 93 13 00-0059	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	32.87	
32 93 13 00-0060	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy.....	16.16	
32 93 13 00-0061	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	36.84	
32 93 13 00-0062	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	100.81	
32 93 13 00-0063	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea.....	42.37	
32 93 13 00-0064	EA	1 Quart Iberis sempervirens - Candytuft.....	12.12	
32 93 13 00-0065	EA	1 Gallon Iberis sempervirens - Candytuft.....	29.08	
32 93 13 00-0066	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	34.90	
32 93 13 00-0067	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	126.02	
32 93 13 00-0068	EA	3" Pot Ajuga reptans - Carpet Bugle.....	7.27	
32 93 13 00-0069	EA	1 Quart Ajuga reptans - Carpet Bugle.....	12.12	
32 93 13 00-0070	EA	1 Gallon Ajuga reptans - Carpet Bugle.....	29.08	
32 93 13 00-0071	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	125.21	
32 93 13 00-0072	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	29.08	
32 93 13 00-0073	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	126.02	
32 93 13 00-0074	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	37.97	
32 93 13 00-0075	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	84.02	
32 93 13 00-0076	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	126.02	
32 93 13 00-0077	EA	1 Gallon Ranunculaceae - Clematis Varieties.....	41.74	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93	13 00-0078	EA	2 Gallon Ranunculaceae - Clematis Varieties	77.20	
32 93	13 00-0079	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	52.51	
32 93	13 00-0080	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	98.55	
32 93	13 00-0081	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	161.56	
32 93	13 00-0082	EA	4" Pot Lantana camera - Common Lantana	7.27	
32 93	13 00-0083	EA	1 Gallon Lantana camera - Common Lantana	21.00	
32 93	13 00-0084	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	25.04	
32 93	13 00-0085	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	82.40	
32 93	13 00-0086	EA	2 Quart Lysimachia nummularia - Creeping Jenny	12.12	
32 93	13 00-0087	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	23.43	
32 93	13 00-0088	EA	2 Quart Liriope spicata - Creeping Lilytuft	21.00	
32 93	13 00-0089	EA	1 Gallon Liriope spicata - Creeping Lilytuft	37.97	
32 93	13 00-0090	EA	5 Gallon Liriope spicata - Creeping Lilytuft	79.97	
32 93	13 00-0091	EA	Bare Root Liriope spicata - Creeping Liriope	5.30	
32 93	13 00-0092	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	7.27	
32 93	13 00-0093	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	29.08	
32 93	13 00-0094	EA	2-1/4" Pot Securigera varia - Crown Vetch	4.85	
32 93	13 00-0095	EA	50 Plant Flat Securigera varia - Crown Vetch	163.99	
32 93	13 00-0096	EA	1 Quart Senecio cineraria - Dusty Miller	12.12	
32 93	13 00-0097	EA	1 Gallon Senecio cineraria - Dusty Miller	29.08	
32 93	13 00-0098	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	100.98	
32 93	13 00-0099	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	184.99	
32 93	13 00-0100	EA	1 Gallon Ilex cornuta - Dwarf Holly	21.94	
32 93	13 00-0101	EA	3 Gallon Ilex cornuta - Dwarf Holly	47.02	
32 93	13 00-0102	EA	3 Gallon Rhamphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	47.02	
32 93	13 00-0103	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	15.67	
32 93	13 00-0104	EA	2" To 3" Pot Hedera helix - English Ivy	7.27	
32 93	13 00-0105	EA	12" To 15" Runners Hedera helix - English Ivy	12.12	
32 93	13 00-0106	EA	1 Gallon Hedera helix - English Ivy	29.08	
32 93	13 00-0107	EA	50 Plant Flat Hedera helix - English Ivy	168.02	
32 93	13 00-0108	EA	4" Pot Lavandula angustifolia - English Lavender	10.50	
32 93	13 00-0109	EA	1 Quart Lavandula angustifolia - English Lavender	20.20	
32 93	13 00-0110	EA	1 Gallon Lavandula angustifolia - English Lavender	33.12	
32 93	13 00-0111	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	31.50	
32 93	13 00-0112	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	63.01	
32 93	13 00-0113	EA	1 Quart Arundo donax - Giant Reed	38.78	
32 93	13 00-0114	EA	1 Gallon Arundo donax - Giant Reed	55.74	
32 93	13 00-0115	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	33.12	
32 93	13 00-0116	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	63.01	
32 93	13 00-0117	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	42.82	
32 93	13 00-0118	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	64.63	
32 93	13 00-0119	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.27	
32 93	13 00-0120	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	33.12	
32 93	13 00-0121	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	63.01	
32 93	13 00-0122	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	29.08	
32 93	13 00-0123	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	96.94	
32 93	13 00-0124	EA	3 Gallon Hibiscus, Assorted Colors	37.88	
32 93	13 00-0125	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	30.29	
32 93	13 00-0126	EA	1 Gallon Jasminum volubile - Wax Jasmine	15.26	
32 93	13 00-0127	EA	1 Gallon Jasminum volubile - Wax Jasmine	37.88	
32 93	13 00-0128	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	19.03	
32 93	13 00-0129	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	42.37	
32 93	13 00-0130	EA	1 Gallon Cissus antarctica - Kangaroo Vine	23.43	
32 93	13 00-0131	EA	5 Gallon Cissus antarctica - Kangaroo Vine	73.51	
32 93	13 00-0132	EA	1 Quart Stachys byzantina - Lamb's Ear	12.12	
32 93	13 00-0133	EA	1 Quart Stachys byzantina - Lamb's Ear	29.08	
32 93	13 00-0134	EA	1 Gallon Lantana spp. Various Colors	17.14	
32 93	13 00-0135	EA	1 Gallon Lantana sellowiana - Trailing Lantana	11.28	
32 93	13 00-0136	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	23.43	
32 93	13 00-0137	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	84.01	
32 93	13 00-0138	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	17.14	
32 93	13 00-0139	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	21.63	
32 93	13 00-0140	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	34.59	
32 93	13 00-0141	EA	1 Quart Moss Phlox, Creeping Phlox	12.12	
32 93	13 00-0142	EA	1 Gallon Moss Phlox, Creeping Phlox	29.08	
32 93	13 00-0143	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	15.26	
32 93	13 00-0144	EA	4" Pot Ophiopogon Japonicus - Mondo grass	7.27	
32 93	13 00-0145	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	29.08	
32 93	13 00-0146	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	67.05	
32 93	13 00-0147	EA	2' To 3' High Oregon Holly-Grape	33.57	
32 93	13 00-0148	EA	1 Gallon Pachysandra terminalis - Pachysandra	43.73	
32 93	13 00-0149	EA	2-1/4" Pot Vinca minor - Periwinkle	4.04	
32 93	13 00-0150	EA	4" Pot Vinca minor - Periwinkle	12.12	
32 93	13 00-0151	EA	Bare Root Vinca minor - Periwinkle	4.04	
32 93	13 00-0152	EA	1 Quart Nepeta mussinii - Persian Catmint	12.12	
32 93	13 00-0153	EA	1 Gallon Nepeta mussinii - Persian Catmint	25.04	
32 93	13 00-0154	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	20.20	
32 93	13 00-0155	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	73.51	
32 93	13 00-0156	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	33.12	
32 93	13 00-0157	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	71.09	
32 93	13 00-0158	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	105.02	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0159	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	28.84
32 93 13 00-0160	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	74.74
32 93 13 00-0161	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	125.21
32 93 13 00-0162	EA	1 Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf"	15.26
32 93 13 00-0163	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	16.96
32 93 13 00-0164	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	30.29
32 93 13 00-0165	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	47.26
32 93 13 00-0166	EA	1 Gallon Hymenocallis latifolia - Spider Lily	18.80
32 93 13 00-0167	EA	3 Gallon Hymenocallis latifolia - Spider Lily	50.15
32 93 13 00-0168	EA	1 Quart Hypericum perforatum - St. John's Wort	12.12
32 93 13 00-0169	EA	1 Gallon Hypericum perforatum - St. John's Wort	29.08
32 93 13 00-0170	EA	5 Gallon Hypericum perforatum - St. John's Wort	75.13
32 93 13 00-0171	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	102.24
32 93 13 00-0172	EA	1 Gallon Campsis radicans - Trumpet Creeper	44.43
32 93 13 00-0173	EA	2 Gallon Campsis radicans - Trumpet Creeper	67.05
32 93 13 00-0174	EA	5 Gallon Campsis radicans - Trumpet Creeper	161.56
32 93 13 00-0175	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.04
32 93 13 00-0176	EA	4" Pot Vinca major - Variegated Greater Periwinkle	12.12
32 93 13 00-0177	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.04
32 93 13 00-0178	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	21.81
32 93 13 00-0179	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	30.29
32 93 13 00-0180	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	47.26
32 93 13 00-0181	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	33.12
32 93 13 00-0182	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	15.35
32 93 13 00-0183	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	23.43
32 93 13 00-0184	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	143.98
32 93 13 00-0185	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.27
32 93 13 00-0186	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	37.97
32 93 13 00-0187	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	29.08
32 93 13 00-0188	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	58.16
32 93 13 00-0189	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	100.98
32 93 13 00-0190	EA	1 Gallon Cistaceae - Winkleleaf Rock Rose	23.43
32 93 13 00-0191	EA	5 Gallon Cistaceae - Winkleleaf Rock Rose	79.97
32 93 13 00-0192	EA	Flat Hedera canariensis - Algerian Ivy	25.09
32 93 13 00-0193	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.62
32 93 13 00-0194	EA	Flat Gazania 'Copper King'	20.57
32 93 13 00-0195	EA	1 Gallon Gazania 'Copper King'	7.03
32 93 13 00-0196	EA	Flat Myoporum parvifolium - Myoporum	25.09
32 93 13 00-0197	EA	1 Gallon Myoporum parvifolium - Myoporum	7.03
32 93 13 00-0198	EA	5 Gallon Myoporum parvifolium - Myoporum	20.07
32 93 13 00-0199	EA	1 Gallon Lantana montevidensis - Purple Lantana	7.03
32 93 13 00-0200	EA	5 Gallon Lantana montevidensis - Purple Lantana	20.07
32 93 13 00-0201	EA	Flat Carpobrotus - Ice Plant	19.07
32 93 13 00-0202	EA	1 Gallon Carpobrotus - Ice Plant	8.03

32 93 23 Plants and Bulbs (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	23.43
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	33.12
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	54.93
32 93 23 00-0005	EA	1 Quart Azure Penstemon	12.12
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	30.29
32 93 23 00-0007	EA	1 Quart Balloon Flower	12.12
32 93 23 00-0008	EA	1 Gallon Balloon Flower	30.29
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	12.12
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	30.29
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	39.18
32 93 23 00-0012	EA	1 Quart Blackberry Lily	12.12
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	30.29
32 93 23 00-0014	EA	1 Quart Blank Flower	12.12
32 93 23 00-0015	EA	1 Gallon Blank Flower	27.87
32 93 23 00-0016	EA	2 Gallon Blank Flower	39.18
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	12.12
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	30.29
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	20.60
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	34.74
32 93 23 00-0021	EA	1 Quart Blue Plumbago	12.12
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	30.29
32 93 23 00-0023	EA	1 Quart Blue Star	21.81
32 93 23 00-0024	EA	1 Gallon Blue Star	34.74
32 93 23 00-0025	EA	1 Quart Cardinal Flower	12.12
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	30.29
32 93 23 00-0027	EA	4" Pot Columbine	7.27
32 93 23 00-0028	EA	1 Quart Columbine	12.12
32 93 23 00-0029	EA	1 Gallon Columbine	30.29
32 93 23 00-0030	EA	1 Quart Common Globeflower	12.12
32 93 23 00-0031	EA	1 Gallon Common Globeflower	30.29
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	12.12



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink	30.29	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'	43.63	
32 93 23 00-0035	EA	1	Quart Diploid	15.35	
32 93 23 00-0036	EA	1	Gallon Diploid	34.74	
32 93 23 00-0037	EA	3	Gallon Diploid	59.78	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower	17.30	
32 93 23 00-0039	EA	1	Quart Evans Begonia	21.81	
32 93 23 00-0040	EA	1	Gallon Evans Begonia	39.18	
32 93 23 00-0041	EA	1	Quart False Dragonhead	12.12	
32 93 23 00-0042	EA	1	Gallon False Dragonhead	30.29	
32 93 23 00-0043	EA	1	Quart False Spirea	12.12	
32 93 23 00-0044	EA	1	Gallon False Spirea	39.18	
32 93 23 00-0045	EA	3	Gallon False Spirea	54.12	
32 93 23 00-0046	EA	2	Quart False Sunflower	19.39	
32 93 23 00-0047	EA	1	Gallon False Sunflower	30.29	
32 93 23 00-0048	EA	2	Gallon False Sunflower	39.18	
32 93 23 00-0049	EA	1	Gallon Foxglove	27.87	
32 93 23 00-0050	EA	2	Gallon Foxglove	39.18	
32 93 23 00-0051	EA	3	Gallon Foxglove	56.55	
32 93 23 00-0052	EA	1	Gallon Francee Hostas	49.06	
32 93 23 00-0053	EA	1	Quart Garden Phlox	12.12	
32 93 23 00-0054	EA	1	Gallon Garden Phlox	30.29	
32 93 23 00-0055	EA	2	Quart Golden Groundsel	25.85	
32 93 23 00-0056	EA	2	Gallon Golden Groundsel	52.11	
32 93 23 00-0057	EA	1	Quart Golden Star	12.12	
32 93 23 00-0058	EA	1	Gallon Golden Star	30.29	
32 93 23 00-0059	EA	1	Quart Goldenrod	12.12	
32 93 23 00-0060	EA	1	Gallon Goldenrod	30.29	
32 93 23 00-0061	EA	1	Gallon Happy Returns Daylillies	56.42	
32 93 23 00-0062	EA	4"	Pot Hardy Aster, Michaelmas Daisy	7.27	
32 93 23 00-0063	EA	1	Quart Hardy Aster, Michaelmas Daisy	12.12	
32 93 23 00-0064	EA	1	Gallon Hardy Aster, Michaelmas Daisy	30.29	
32 93 23 00-0065	EA	1	Quart Hardy Chrysanthemum	10.51	
32 93 23 00-0066	EA	6" To 8"	Pot Hardy Chrysanthemum	17.37	
32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum	27.87	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony	43.22	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony	69.07	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony	90.89	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone	7.27	
32 93 23 00-0072	EA	1	Quart Japanese Anemone	21.81	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone	39.18	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge	4.31	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge	6.46	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge	27.83	
32 93 23 00-0077	EA	1	Quart Oriental Poppy	17.37	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy	34.74	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis	143.98	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris	23.83	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris	45.24	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells	45.87	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia	7.27	
32 93 23 00-0084	EA	1	Quart Perennial Salvia	12.12	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia	30.29	
32 93 23 00-0086	EA	1	Quart Pincushion Flower	12.12	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower	30.29	
32 93 23 00-0088	EA	2	Quart Plantain Lily	23.43	
32 93 23 00-0089	EA	1	Gallon Plantain Lily	33.12	
32 93 23 00-0090	EA	2	Gallon Plantain Lily	54.93	
32 93 23 00-0091	EA	3	Gallon Plantain Lily	103.81	
32 93 23 00-0092	EA	2	Quart Purple Coneflower	21.81	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower	30.29	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower	39.18	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife	12.12	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife	30.29	
32 93 23 00-0097	EA	1	Quart Rose Mallow	23.83	
32 93 23 00-0098	EA	2	Gallon Rose Mallow	43.22	
32 93 23 00-0099	EA	3	Gallon Rose Mallow	73.92	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum	46.19	
32 93 23 00-0101	EA	1	Quart Siberian Iris	20.60	
32 93 23 00-0102	EA	2	Gallon Siberian Iris	39.18	
32 93 23 00-0103	EA	3	Gallon Siberian Iris	54.12	
32 93 23 00-0104	EA	1	Quart Speedwell	12.12	
32 93 23 00-0105	EA	1	Gallon Speedwell	30.29	
32 93 23 00-0106	EA	1	Quart Tetraploid	30.29	
32 93 23 00-0107	EA	1	Gallon Tetraploid	56.55	
32 93 23 00-0108	EA	3	Gallon Tetraploid	77.15	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis	12.12	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis	30.29	
32 93 23 00-0111	EA	1	Quart Torch Lily	12.12	
32 93 23 00-0112	EA	1	Quart Bluebeard	21.81	
32 93 23 00-0113	EA	1	Gallon Bluebeard	32.32	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93	23 00-0114	EA	2 Gallon Bluebeard	47.26	
32 93	23 00-0115		Annuals <small>(32 93 23)</small>		
32 93	23 00-0116	EA	2-1/2" Pot Annual Flowers	5.62	
32 93	23 00-0117	EA	3" Pot Annual Flowers	7.61	
32 93	23 00-0118	EA	4" Pot Annual Flowers	16.26	
32 93	23 00-0119	EA	5-1/2" Pot Annual Flowers	21.62	
32 93	23 00-0120	EA	6" Pot Annual Flowers	42.81	
32 93	23 00-0121	EA	8" Pot Annual Flowers	71.34	
32 93	23 00-0122	EA	36 Plant Flat Annual Flowers	93.39	
32 93	23 00-0123	EA	48 Plant Flat Annual Flowers	105.93	
32 93	23 00-0124		Bulbs <small>(32 93 23)</small>		
32 93	23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	19.55	
32 93	23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.13	
32 93	23 00-0127	EA	Top Size Crocus Hybrid	1.28	
32 93	23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.65	
32 93	23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.11	
32 93	23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.83	
32 93	23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	0.98	
32 93	23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.13	
32 93	23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	6.77	
32 93	23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.23	
32 93	23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.38	
32 93	23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.38	
32 93	23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.53	
32 93	23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	3.76	
32 93	23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.53	
32 93	23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.31	
32 93	23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.53	
32 93	23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.53	
32 93	23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.05	
32 93	23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.01	
32 93	23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.26	
32 93	23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.01	
32 93	23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.63	
32 93	23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	3.76	
32 93	23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	2.86	
32 93	23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.48	
32 93	23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	2.78	
32 93	23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	2.78	
32 93	23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	2.78	
32 93	23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.26	
32 93	23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.18	
32 93	23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.26	
32 93	23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip	3.76	
32 93	23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.26	
32 93	23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.01	
32 93	23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.23	
32 93	23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.38	
32 93	23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.71	
32 93	23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.56	
32 93	23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	2.78	
32 93	23 00-0165	EA	Top Size Tulip 'Princes' - Princes Tulip	2.78	
32 93	23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.18	
32 93	23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.50	
32 93	23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip	2.26	
32 93	23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	2.93	
32 93	23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.26	
32 93	33		Shrubs <small>(32 93)</small>		
			Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shrubs.		
32 93	33 00-0001		Shrubs <small>(32 93 33)</small>		
32 93	33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	18.87	
32 93	33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	38.43	
32 93	33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	73.77	
32 93	33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.33	
32 93	33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	23.08	
32 93	33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	91.63	
32 93	33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	101.16	
32 93	33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	147.84	
32 93	33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	164.96	
32 93	33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	208.54	
32 93	33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	231.88	
32 93	33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	46.69	
32 93	33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	62.25	



Exterior Improvements 32

Planting 32 90

Plants 32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0015 EA 30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	77.81	
32 93 33 00-0016 EA 1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	9.33	
32 93 33 00-0017 EA 5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	23.08	
32 93 33 00-0018 EA 36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	42.46	
32 93 33 00-0019 EA 42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	49.95	
32 93 33 00-0020 EA 48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	59.94	
32 93 33 00-0021 EA 60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	69.93	
32 93 33 00-0022 EA 72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	84.92	
32 93 33 00-0023 EA 36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	41.21	
32 93 33 00-0024 EA 42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	43.71	
32 93 33 00-0025 EA 48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	46.21	
32 93 33 00-0026 EA 60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	52.45	
32 93 33 00-0027 EA 36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	41.84	
32 93 33 00-0028 EA 42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	44.33	
32 93 33 00-0029 EA 48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	46.83	
32 93 33 00-0030 EA 60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	49.33	
32 93 33 00-0031 EA 1 Gallon Aspidistra elatior - Cast Iron Plant.....	8.59	
32 93 33 00-0032 EA 2 Gallon Aspidistra elatior - Cast Iron Plant.....	19.86	
32 93 33 00-0033 EA 1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	10.06	
32 93 33 00-0034 EA 3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	22.14	
32 93 33 00-0035 EA 5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	29.92	
32 93 33 00-0036 EA 1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	9.33	
32 93 33 00-0037 EA 5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	23.08	
32 93 33 00-0038 EA 1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	9.33	
32 93 33 00-0039 EA 5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	23.08	
32 93 33 00-0040 EA 1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	10.73	
32 93 33 00-0041 EA 2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	15.70	
32 93 33 00-0042 EA 15" To 18" Berberis - Northern Bayberry.....	44.81	
32 93 33 00-0043 EA 2' To 2-1/2' Berberis - Northern Bayberry.....	56.88	
32 93 33 00-0044 EA 2-1/2' To 3' Berberis - Northern Bayberry.....	79.69	
32 93 33 00-0045 EA 1 Gallon Berberis Buxifolia 'Nana' - Barberry.....	10.54	
32 93 33 00-0046 EA 5 Gallon Berberis Buxifolia 'Nana' - Barberry.....	25.39	
32 93 33 00-0047 EA 18" To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	47.89	
32 93 33 00-0048 EA 2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	61.31	
32 93 33 00-0049 EA 2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	78.35	
32 93 33 00-0050 EA 1 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	12.88	
32 93 33 00-0051 EA 2 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	25.36	
32 93 33 00-0052 EA 3 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	30.99	
32 93 33 00-0053 EA 1 Gallon Berberis x mentorensis - Mentor Barberry.....	12.21	
32 93 33 00-0054 EA 5 Gallon Berberis x mentorensis - Mentor Barberry.....	34.48	
32 93 33 00-0055 EA 2' To 3' Berberis x mentorensis - Mentor Barberry.....	47.89	
32 93 33 00-0056 EA 3' To 4' Berberis x mentorensis - Mentor Barberry.....	73.92	
32 93 33 00-0057 EA 1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	13.95	
32 93 33 00-0058 EA 5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	37.43	
32 93 33 00-0059 EA 12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	39.85	
32 93 33 00-0060 EA 15" To 18" Buxus microphylla japonica - Japanese Boxwood.....	51.25	
32 93 33 00-0061 EA 18" To 24" Buxus microphylla japonica - Japanese Boxwood.....	68.29	
32 93 33 00-0062 EA 24" To 30" Buxus microphylla japonica - Japanese Boxwood.....	102.50	
32 93 33 00-0063 EA 30" To 36" Buxus microphylla japonica - Japanese Boxwood.....	142.34	
32 93 33 00-0064 EA 12" To 15" Buxus sempervirens - Common Boxwood.....	39.85	
32 93 33 00-0065 EA 15" To 18" Buxus sempervirens - Common Boxwood.....	51.25	
32 93 33 00-0066 EA 18" To 24" Buxus sempervirens - Common Boxwood.....	68.29	
32 93 33 00-0067 EA 24" To 30" Buxus sempervirens - Common Boxwood.....	102.50	
32 93 33 00-0068 EA 2 Gallon Buxus Hybrid - Boxwood Cultivars.....	26.23	
32 93 33 00-0069 EA 5 Gallon Buxus Hybrid - Boxwood Cultivars.....	43.71	
32 93 33 00-0070 EA 5 Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	114.89	
32 93 33 00-0071 EA 18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	62.44	
32 93 33 00-0072 EA 24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	84.92	
32 93 33 00-0073 EA 30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood.....	114.89	
32 93 33 00-0074 EA 1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	5.62	
32 93 33 00-0075 EA 5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	17.29	
32 93 33 00-0076 EA 15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	56.18	
32 93 33 00-0077 EA 5 Gallon Calycanthus floridus - Common Sweetshrub.....	41.21	
32 93 33 00-0078 EA 30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub.....	37.46	
32 93 33 00-0079 EA 36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub.....	49.95	
32 93 33 00-0080 EA 1 Gallon Camellia "Sasanqua" - Camellia.....	14.96	
32 93 33 00-0081 EA 3 Gallon Camellia "Sasanqua" - Camellia.....	31.92	
32 93 33 00-0082 EA 5 Gallon Camellia "Sasanqua" - Camellia.....	53.08	
32 93 33 00-0083 EA 7 Gallon Camellia "Sasanqua" - Camellia.....	79.03	
32 93 33 00-0084 EA 15 Gallon Camellia "Sasanqua" - Camellia.....	205.06	
32 93 33 00-0085 EA 1 Gallon Camellia japonica - Camellia.....	14.96	
32 93 33 00-0086 EA 3 Gallon Camellia japonica - Camellia.....	31.92	
32 93 33 00-0087 EA 5 Gallon Camellia japonica - Camellia.....	53.08	
32 93 33 00-0088 EA 5 Gallon Ceanothus americanus - New Jersey Tea.....	41.21	
32 93 33 00-0089 EA 1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	10.54	
32 93 33 00-0090 EA 5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	27.40	
32 93 33 00-0091 EA 5 Gallon Celastrus scandens - Bittersweet.....	41.21	
32 93 33 00-0092 EA 36" Balled and Burlapped, Celastrus scandens - Bittersweet.....	34.97	
32 93 33 00-0093 EA 5 Gallon Cephalanthus occidentalis - Buttonbush.....	41.21	
32 93 33 00-0094 EA 24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	31.22	
32 93 33 00-0095 EA 30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush.....	34.97	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	37.46	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	35.95	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	47.89	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	73.92	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	9.33	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	23.08	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	39.96	
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	43.08	
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	48.08	
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.58	
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	59.32	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.33	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	23.08	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	108.09	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	56.88	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	71.10	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	91.10	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	125.17	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	37.46	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	26.23	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	29.97	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	37.46	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	44.96	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	37.46	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	41.21	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	41.21	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	37.46	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	43.71	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	47.46	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	57.45	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	40.59	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.58	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	51.83	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	32.47	
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	37.46	
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.96	
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	43.71	
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.70	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	38.71	
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	43.71	
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	46.83	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	50.58	
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	124.88	
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	162.35	
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	174.84	
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	224.79	
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	274.74	
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	312.21	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	119.54	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	179.24	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	270.33	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	31.22	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.47	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	29.92	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	31.22	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.47	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	12.88	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	39.85	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	53.80	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	91.09	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.33	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.08	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	12.88	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	25.36	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.33	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.08	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	91.63	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	14.41	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	36.02	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	31.85	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	34.97	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	44.96	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	52.45	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	59.94	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	49.95	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	59.94	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	69.93	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	18.73	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	44.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0177	EA		48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	59.94	
32 93 33 00-0178	EA		5 Gallon Elaeagnus angustifolia - Russian Olive.....	23.08	
32 93 33 00-0179	EA		1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	9.33	
32 93 33 00-0180	EA		5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	23.08	
32 93 33 00-0181	EA		15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	91.63	
32 93 33 00-0182	EA		1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	9.33	
32 93 33 00-0183	EA		5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	23.08	
32 93 33 00-0184	EA		15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	91.63	
32 93 33 00-0185	EA		3' To 4' Elaeagnus umbellata - Autumn Olive.....	37.30	
32 93 33 00-0186	EA		4' To 5' Elaeagnus umbellata - Autumn Olive.....	51.25	
32 93 33 00-0187	EA		5' To 6' Elaeagnus umbellata - Autumn Olive.....	61.31	
32 93 33 00-0188	EA		3' To 4' Elaeagnus angustifolia - Russian Olive.....	59.70	
32 93 33 00-0189	EA		1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	9.33	
32 93 33 00-0190	EA		5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	23.08	
32 93 33 00-0191	EA		15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	91.63	
32 93 33 00-0192	EA		1 Gallon Euonymus - Gold Spot.....	10.73	
32 93 33 00-0193	EA		2 Gallon Euonymus - Gold Spot.....	22.54	
32 93 33 00-0194	EA		5 Gallon Euonymus - Gold Spot.....	30.99	
32 93 33 00-0195	EA		1 Gallon Euonymus alatus - Winged Euonymus.....	9.16	
32 93 33 00-0196	EA		3 Gallon Euonymus alatus - Winged Euonymus.....	26.43	
32 93 33 00-0197	EA		24" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	35.62	
32 93 33 00-0198	EA		30" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	44.52	
32 93 33 00-0199	EA		36" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	61.18	
32 93 33 00-0200	EA		42" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	75.54	
32 93 33 00-0201	EA		48" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	89.04	
32 93 33 00-0202	EA		54" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	114.89	
32 93 33 00-0203	EA		5 Gallon Euonymus alatus - Winged Euonymus.....	33.03	
32 93 33 00-0204	EA		60" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	143.62	
32 93 33 00-0205	EA		30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	56.20	
32 93 33 00-0206	EA		36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	66.81	
32 93 33 00-0207	EA		42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	87.42	
32 93 33 00-0208	EA		48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	104.90	
32 93 33 00-0209	EA		60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	129.88	
32 93 33 00-0210	EA		18" To 24" Euonymus alatus - Winged Burning Bush.....	39.85	
32 93 33 00-0211	EA		2' To 2-1/2' Euonymus alatus - Winged Burning Bush.....	46.96	
32 93 33 00-0212	EA		2-1/2' To 3' Euonymus alatus - Winged Burning Bush.....	64.13	
32 93 33 00-0213	EA		3' To 3-1/2' Euonymus alatus - Winged Burning Bush.....	76.87	
32 93 33 00-0214	EA		3-1/2' To 4' Euonymus alatus - Winged Burning Bush.....	96.73	
32 93 33 00-0215	EA		4' To 5' Euonymus alatus - Winged Burning Bush.....	136.57	
32 93 33 00-0216	EA		5' To 6' Euonymus alatus - Winged Burning Bush.....	170.78	
32 93 33 00-0217	EA		6' To 8' Euonymus alatus - Winged Burning Bush.....	199.23	
32 93 33 00-0218	EA		15" To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	39.85	
32 93 33 00-0219	EA		18" To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	45.48	
32 93 33 00-0220	EA		2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	55.54	
32 93 33 00-0221	EA		2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	78.35	
32 93 33 00-0222	EA		3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	92.57	
32 93 33 00-0223	EA		3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	110.95	
32 93 33 00-0224	EA		4' To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	156.56	
32 93 33 00-0225	EA		5' To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	185.00	
32 93 33 00-0226	EA		36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo.....	33.72	
32 93 33 00-0227	EA		1 Gallon Euonymus fortunei - Wintercreeper.....	12.88	
32 93 33 00-0228	EA		2 Gallon Euonymus fortunei - Wintercreeper.....	25.36	
32 93 33 00-0229	EA		3 Gallon Euonymus fortunei - Wintercreeper.....	30.99	
32 93 33 00-0230	EA		5 Gallon Euonymus fortunei - Wintercreeper.....	36.76	
32 93 33 00-0231	EA		1 Gallon Euonymus japonicus - Evergreen Spindle.....	9.33	
32 93 33 00-0232	EA		5 Gallon Euonymus japonicus - Evergreen Spindle.....	23.08	
32 93 33 00-0233	EA		15 Gallon Euonymus japonicus - Evergreen Spindle.....	91.63	
32 93 33 00-0234	EA		2' To 3' Forsythia - Korean Forsythia.....	28.44	
32 93 33 00-0235	EA		3' To 4' Forsythia - Korean Forsythia.....	35.96	
32 93 33 00-0236	EA		4' To 5' Forsythia - Korean Forsythia.....	44.81	
32 93 33 00-0237	EA		30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	28.72	
32 93 33 00-0238	EA		36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	31.85	
32 93 33 00-0239	EA		48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	34.34	
32 93 33 00-0240	EA		18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	29.97	
32 93 33 00-0241	EA		24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	39.96	
32 93 33 00-0242	EA		24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	29.97	
32 93 33 00-0243	EA		30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	34.97	
32 93 33 00-0244	EA		36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	41.21	
32 93 33 00-0245	EA		42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	47.46	
32 93 33 00-0246	EA		48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	54.95	
32 93 33 00-0247	EA		2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	42.46	
32 93 33 00-0248	EA		3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	59.32	
32 93 33 00-0249	EA		5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	62.44	
32 93 33 00-0250	EA		15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	64.94	
32 93 33 00-0251	EA		18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	69.93	
32 93 33 00-0252	EA		24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	84.92	
32 93 33 00-0253	EA		24" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	109.90	
32 93 33 00-0254	EA		30" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	124.88	
32 93 33 00-0255	EA		1 Gallon Gardenia jasminoides - Cape Jasmine.....	9.26	
32 93 33 00-0256	EA		3 Gallon Gardenia jasminoides - Cape Jasmine.....	24.28	
32 93 33 00-0257	EA		5 Gallon Gardenia jasminoides - Cape Jasmine.....	30.99	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.33
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	23.08
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	91.63
32 93 33 00-0261	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	87.42
32 93 33 00-0262	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	142.37
32 93 33 00-0263	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	179.83
32 93 33 00-0264	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	274.74
32 93 33 00-0265	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	312.21
32 93 33 00-0266	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger	5.31
32 93 33 00-0267	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger	18.67
32 93 33 00-0268	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger	35.90
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	13.61
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	22.98
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	34.75
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	35.96
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	30.59
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	41.32
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	59.70
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	82.51
32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea	25.36
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea	35.69
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	39.84
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	45.48
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	25.36
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	43.71
32 93 33 00-0283	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	47.46
32 93 33 00-0284	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	54.95
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	57.45
32 93 33 00-0286	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	44.96
32 93 33 00-0287	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	59.94
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	26.23
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	31.22
32 93 33 00-0290	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	26.85
32 93 33 00-0291	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.72
32 93 33 00-0292	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.47
32 93 33 00-0293	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	37.46
32 93 33 00-0294	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	49.95
32 93 33 00-0295	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	36.22
32 93 33 00-0296	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	41.21
32 93 33 00-0297	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	48.70
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianum - St. John's Wort	25.36
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	29.97
32 93 33 00-0300	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort	32.47
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly	12.88
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly	25.36
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly	35.69
32 93 33 00-0304	EA	18" To 24" Ilex - Gulfside Sweet Holly	34.21
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	43.33
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	56.21
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	68.29
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	25.55
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	12.88
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	25.36
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	36.76
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	12.88
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	28.17
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	36.76
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	28.17
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	33.94
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	68.29
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	91.09
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly	91.09
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly	150.79
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	193.46
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	233.30
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	327.21
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	455.33
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	654.42
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	995.99
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	1,209.30
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	1,493.85
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	91.09
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	119.54
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	73.92
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	102.50
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	119.54
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.08
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	24.28
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	85.32
32 93 33 00-0337	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	38.71
32 93 33 00-0338	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.71



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	49.95	
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	46.21	
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	56.20	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0343	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0344	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.71	
32 93 33 00-0345	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	52.45	
32 93 33 00-0346	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.69	
32 93 33 00-0347	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	62.44	
32 93 33 00-0348	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	79.92	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	147.98	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	196.27	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	175.61	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	341.43	
32 93 33 00-0353	EA	1 Gallon Jasimnum - Jasmine	3.30	
32 93 33 00-0354	EA	3 Gallon Jasimnum - Jasmine	12.93	
32 93 33 00-0355	EA	3 Gallon Jasimnum - Orange Jasmine	10.05	
32 93 33 00-0356	EA	4' - 5' Jasimnum - Orange Jasmine	114.89	
32 93 33 00-0357	EA	6' - 7' Jasimnum - Orange Jasmine	229.78	
32 93 33 00-0358	EA	8' - 10' Jasimnum - Orange Jasmine	310.21	
32 93 33 00-0359	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	43.71	
32 93 33 00-0360	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	48.70	
32 93 33 00-0361	EA	18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	64.94	
32 93 33 00-0362	EA	24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	84.92	
32 93 33 00-0363	EA	30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	99.91	
32 93 33 00-0364	EA	36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	134.87	
32 93 33 00-0365	EA	48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	184.83	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	20.82	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	43.71	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	48.70	
32 93 33 00-0369	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	52.45	
32 93 33 00-0370	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	57.45	
32 93 33 00-0371	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	69.93	
32 93 33 00-0372	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	84.92	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	33.72	
32 93 33 00-0374	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	39.96	
32 93 33 00-0375	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	54.95	
32 93 33 00-0376	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	69.93	
32 93 33 00-0377	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	84.92	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	31.22	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	37.46	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	32.47	
32 93 33 00-0381	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	62.44	
32 93 33 00-0382	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	97.41	
32 93 33 00-0383	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	122.38	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	51.25	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	68.29	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	99.55	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	182.05	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	278.91	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	426.89	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	11.40	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	35.69	
32 93 33 00-0392	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	36.22	
32 93 33 00-0393	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	41.21	
32 93 33 00-0394	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	44.96	
32 93 33 00-0395	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	52.45	
32 93 33 00-0396	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	59.94	
32 93 33 00-0397	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	74.93	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.59	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	30.59	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	42.66	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	62.65	
32 93 33 00-0402	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	99.55	
32 93 33 00-0403	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	129.25	
32 93 33 00-0404	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	172.34	
32 93 33 00-0405	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	359.04	
32 93 33 00-0406	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	12.88	
32 93 33 00-0407	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	28.17	
32 93 33 00-0408	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	33.94	
32 93 33 00-0409	EA	1 Gallon Ligustrum lucidum - Glossy Privet	7.92	
32 93 33 00-0410	EA	5 Gallon Ligustrum lucidum - Glossy Privet	24.28	
32 93 33 00-0411	EA	15 Gallon Ligustrum lucidum - Glossy Privet	113.77	
32 93 33 00-0412	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	7.92	
32 93 33 00-0413	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.04	
32 93 33 00-0414	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	22.14	
32 93 33 00-0415	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	37.46	
32 93 33 00-0416	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	54.95	
32 93 33 00-0417	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	69.93	
32 93 33 00-0418	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	79.92	
32 93 33 00-0419	EA	5 Gallon Lindera benzoin - Spicebush	41.21	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 33 00-0420	EA	36"	Balled and Burlapped, Linder benzoin - Spicebush.....	34.97	
32 93 33 00-0421	EA	48"	Balled and Burlapped, Linder benzoin - Spicebush.....	42.46	
32 93 33 00-0422	EA	2' To 3'	Lonicera fragrantissima - Winter Honeysuckle.....	68.29	
32 93 33 00-0423	EA	3' To 4'	Lonicera fragrantissima - Winter Honeysuckle.....	82.51	
32 93 33 00-0424	EA	30"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	37.46	
32 93 33 00-0425	EA	36"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	44.96	
32 93 33 00-0426	EA	42"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	49.95	
32 93 33 00-0427	EA	48"	Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle.....	54.95	
32 93 33 00-0428	EA	1 Gallon	Myrica cerifera - Wax Myrtle.....	7.18	
32 93 33 00-0429	EA	4 Gallon	Myrica cerifera - Wax Myrtle.....	22.98	
32 93 33 00-0430	EA	7 Gallon	Myrica cerifera - Wax Myrtle.....	50.27	
32 93 33 00-0431	EA	10 Gallon	Myrica cerifera - Wax Myrtle.....	74.68	
32 93 33 00-0432	EA	15 Gallon	Myrica cerifera - Wax Myrtle.....	114.89	
32 93 33 00-0433	EA	45 Gallon	Myrica cerifera - Wax Myrtle.....	344.68	
32 93 33 00-0434	EA	1' - 2'	Myrica cerifera - Wax Myrtle.....	10.05	
32 93 33 00-0435	EA	3' - 4'	Myrica cerifera - Wax Myrtle.....	34.47	
32 93 33 00-0436	EA	5' - 6'	Myrica cerifera - Wax Myrtle.....	63.19	
32 93 33 00-0437	EA	7' - 8'	Myrica cerifera - Wax Myrtle.....	86.17	
32 93 33 00-0438	EA	9' - 10'	Myrica cerifera - Wax Myrtle.....	114.89	
32 93 33 00-0439	EA	11' - 12'	Myrica cerifera - Wax Myrtle.....	175.21	
32 93 33 00-0440	EA	3 Gallon	Myrica pensylvanica - Northern Bayberry.....	37.46	
32 93 33 00-0441	EA	24"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	61.19	
32 93 33 00-0442	EA	30"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	89.92	
32 93 33 00-0443	EA	36"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	107.40	
32 93 33 00-0444	EA	48"	Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....	112.39	
32 93 33 00-0445	EA	1 Gallon	Myoporum laetum 'Carsonii' Multi - Coast Myoporum.....	9.33	
32 93 33 00-0446	EA	5 Gallon	Myoporum laetum 'Carsonii' Multi - Coast Myoporum.....	23.08	
32 93 33 00-0447	EA	15 Gallon	Myoporum laetum 'Carsonii' Multi - Coast Myoporum.....	91.63	
32 93 33 00-0448	EA	1 Gallon	Nandina domestica - Heavenly Bamboo.....	12.88	
32 93 33 00-0449	EA	2 Gallon	Nandina domestica - Heavenly Bamboo.....	28.17	
32 93 33 00-0450	EA	5 Gallon	Nandina domestica - Heavenly Bamboo.....	42.66	
32 93 33 00-0451	EA	15 Gallon	Nerium oleander - Oleander.....	100.26	
32 93 33 00-0452	EA	24"	Box Nerium oleander - Oleander.....	360.29	
32 93 33 00-0453	EA	1 Gallon	Osmanthus fragrans - Fragrant Tea Olive.....	7.92	
32 93 33 00-0454	EA	3 Gallon	Osmanthus fragrans - Fragrant Tea Olive.....	21.46	
32 93 33 00-0455	EA	1 Gallon	Philadelphus - Evergreen Mockorange.....	11.00	
32 93 33 00-0456	EA	5 Gallon	Philadelphus - Evergreen Mockorange.....	35.69	
32 93 33 00-0457	EA	36"	Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	37.46	
32 93 33 00-0458	EA	42"	Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	43.71	
32 93 33 00-0459	EA	48"	Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....	49.95	
32 93 33 00-0460	EA	1 Gallon	Photinia fraseri - Red-Tipped Photinia.....	9.33	
32 93 33 00-0461	EA	5 Gallon	Photinia fraseri - Red-Tipped Photinia.....	23.08	
32 93 33 00-0462	EA	15 Gallon	Photinia fraseri - Red-Tipped Photinia.....	91.63	
32 93 33 00-0463	EA	1 Gallon	Phormium tenax - New Zealand Flax.....	9.84	
32 93 33 00-0464	EA	5 Gallon	Phormium tenax - New Zealand Flax.....	23.58	
32 93 33 00-0465	EA	15 Gallon	Phormium tenax - New Zealand Flax.....	100.26	
32 93 33 00-0466	EA	24"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	37.46	
32 93 33 00-0467	EA	30"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	43.71	
32 93 33 00-0468	EA	36"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	49.95	
32 93 33 00-0469	EA	42"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	62.44	
32 93 33 00-0470	EA	48"	Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	74.93	
32 93 33 00-0471	EA	12" To 15"	Spread Pieris - Mountain Andromeda.....	34.48	
32 93 33 00-0472	EA	15" To 18"	Spread Pieris - Mountain Andromeda.....	73.92	
32 93 33 00-0473	EA	12" To 15"	Pieris japonica - Japanese Andromeda.....	44.81	
32 93 33 00-0474	EA	15" To 18"	Pieris japonica - Japanese Andromeda.....	51.25	
32 93 33 00-0475	EA	18" To 24"	Pieris japonica - Japanese Andromeda.....	64.13	
32 93 33 00-0476	EA	2' To 2-1/2'	Pieris japonica - Japanese Andromeda.....	91.09	
32 93 33 00-0477	EA	2-1/2' To 3'	Pieris japonica - Japanese Andromeda.....	108.13	
32 93 33 00-0478	EA	24"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	38.91	
32 93 33 00-0479	EA	30"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	49.80	
32 93 33 00-0480	EA	36"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	59.92	
32 93 33 00-0481	EA	48"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	77.04	
32 93 33 00-0482	EA	60"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	92.60	
32 93 33 00-0483	EA	72"	Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....	135.39	
32 93 33 00-0484	EA	30"	Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....	84.04	
32 93 33 00-0485	EA	36"	Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....	101.16	
32 93 33 00-0486	EA	48"	Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....	134.62	
32 93 33 00-0487	EA	1 Gallon	Pittosporum - Pittosporum.....	4.74	
32 93 33 00-0488	EA	3 Gallon	Pittosporum - Pittosporum.....	12.21	
32 93 33 00-0489	EA	1 Gallon	Pittosporum - Varigated Pittosporum.....	4.74	
32 93 33 00-0490	EA	3 Gallon	Pittosporum - Varigated Pittosporum.....	12.21	
32 93 33 00-0491	EA	5 Gallon	Pittosporum - Varigated Pittosporum.....	21.40	
32 93 33 00-0492	EA	1 Gallon	Pittosporum eugenioides - Lemonwood.....	10.72	
32 93 33 00-0493	EA	5 Gallon	Pittosporum eugenioides - Lemonwood.....	25.39	
32 93 33 00-0494	EA	1 Gallon	Pittosporum tobira - Japanese Pittosporum.....	9.33	
32 93 33 00-0495	EA	5 Gallon	Pittosporum tobira - Japanese Pittosporum.....	23.08	
32 93 33 00-0496	EA	15 Gallon	Pittosporum tobira - Japanese Pittosporum.....	91.63	
32 93 33 00-0497	EA	2 Gallon	Potentilla fruticosa & cvs - Bush Cinquefoil.....	21.23	
32 93 33 00-0498	EA	5 Gallon	Potentilla fruticosa & cvs - Bush Cinquefoil.....	29.97	
32 93 33 00-0499	EA	18"	Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	22.48	
32 93 33 00-0500	EA	24"	Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	24.98	



Exterior Improvements 32

Planting 32 90

Plants 32 93

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0501	EA		30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	36.22	
32 93 33 00-0502	EA		36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	41.84	
32 93 33 00-0503	EA		1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	5.35	
32 93 33 00-0504	EA		5 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	13.37	
32 93 33 00-0505	EA		15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	79.75	
32 93 33 00-0506	EA		15" To 18" Prunus laurocerasus - Cherry Laurel	20.40	
32 93 33 00-0507	EA		18" To 24" Prunus laurocerasus - Cherry Laurel	25.24	
32 93 33 00-0508	EA		24" To 30" Prunus laurocerasus - Cherry Laurel	32.85	
32 93 33 00-0509	EA		15" To 18" Prunus triloba - Double White Flowering Almond.....	18.22	
32 93 33 00-0510	EA		18" To 24" Prunus triloba - Double White Flowering Almond.....	23.32	
32 93 33 00-0511	EA		3' To 4' Prunus triloba - Double White Flowering Almond.....	37.20	
32 93 33 00-0512	EA		4' To 6' Prunus triloba - Double White Flowering Almond.....	74.48	
32 93 33 00-0513	EA		5 Gallon Prunus triloba - Pink Flowering Almond.....	22.40	
32 93 33 00-0514	EA		18" To 24" Prunus triloba - Pink Flowering Almond	25.16	
32 93 33 00-0515	EA		2' To 3' Prunus triloba - Pink Flowering Almond	29.26	
32 93 33 00-0516	EA		2' To 3' Prunus virginiana - Brilliant Chokeberry	19.90	
32 93 33 00-0517	EA		3' To 4' Prunus virginiana - Brilliant Chokeberry	24.41	
32 93 33 00-0518	EA		4' To 5' Prunus virginiana - Brilliant Chokeberry	29.26	
32 93 33 00-0519	EA		5' To 6' Prunus virginiana - Brilliant Chokeberry	33.52	
32 93 33 00-0520	EA		1 Gallon Punica granatum - Dwarf Pomegranate	8.45	
32 93 33 00-0521	EA		3 Gallon Punica granatum - Dwarf Pomegranate	24.95	
32 93 33 00-0522	EA		7 Gallon Punica granatum - Dwarf Pomegranate	51.25	
32 93 33 00-0523	EA		1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	10.73	
32 93 33 00-0524	EA		5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	35.69	
32 93 33 00-0525	EA		5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	73.92	
32 93 33 00-0526	EA		1 Gallon Ralphiolopsis indica - Indian Hawthorne	8.59	
32 93 33 00-0527	EA		2 Gallon Ralphiolopsis indica - Indian Hawthorne	16.37	
32 93 33 00-0528	EA		5 Gallon Ralphiolopsis indica - Indian Hawthorne	29.11	
32 93 33 00-0529	EA		1 Gallon Rhamnus californica - Coffeeberry	13.05	
32 93 33 00-0530	EA		5 Gallon Rhamnus californica - Coffeeberry	37.32	
32 93 33 00-0531	EA		15 Gallon Rhamnus californica - Coffeeberry	112.00	
32 93 33 00-0532	EA		4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	65.47	
32 93 33 00-0533	EA		5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	89.75	
32 93 33 00-0534	EA		6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	116.72	
32 93 33 00-0535	EA		10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	213.45	
32 93 33 00-0536	EA		1 Gallon Ralphiolopsis indica 'Ballerina' - Ballerina Indian Hawthorn	9.94	
32 93 33 00-0537	EA		5 Gallon Ralphiolopsis indica 'Ballerina' - Ballerina Indian Hawthorn.....	23.58	
32 93 33 00-0538	EA		15 Gallon Ralphiolopsis indica 'Ballerina' - Ballerina Indian Hawthorn.....	100.26	
32 93 33 00-0539	EA		1 Gallon Rhododendron - Azalea Evergreen Hybrids	13.95	
32 93 33 00-0540	EA		2 Gallon Rhododendron - Azalea Evergreen Hybrids	28.17	
32 93 33 00-0541	EA		3 Gallon Rhododendron - Azalea Evergreen Hybrids	36.76	
32 93 33 00-0542	EA		5 Gallon Rhododendron - Azalea Evergreen Hybrids	42.66	
32 93 33 00-0543	EA		15" To 18" Rhododendron - Azalea Evergreen Hybrids.....	49.91	
32 93 33 00-0544	EA		18" To 24" Rhododendron - Azalea Evergreen Hybrids.....	62.65	
32 93 33 00-0545	EA		2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	91.09	
32 93 33 00-0546	EA		2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	127.99	
32 93 33 00-0547	EA		1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	15.70	
32 93 33 00-0548	EA		2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	28.17	
32 93 33 00-0549	EA		15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	48.43	
32 93 33 00-0550	EA		18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	62.65	
32 93 33 00-0551	EA		2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	91.09	
32 93 33 00-0552	EA		3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	133.76	
32 93 33 00-0553	EA		4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	179.24	
32 93 33 00-0554	EA		5 Gallon Rhododendron - Boxleaf Azara	35.69	
32 93 33 00-0555	EA		15 Gallon Rhododendron - Boxleaf Azara	127.99	
32 93 33 00-0556	EA		15" To 18" Rhododendron - Carolina Rhododendron	40.38	
32 93 33 00-0557	EA		18" To 24" Rhododendron - Carolina Rhododendron	71.10	
32 93 33 00-0558	EA		24" To 30" Rhododendron - Carolina Rhododendron	105.31	
32 93 33 00-0559	EA		2' To 3' Rhododendron - Five-leafed Azalea	47.89	
32 93 33 00-0560	EA		3' To 4' Rhododendron - Five-leafed Azalea	62.65	
32 93 33 00-0561	EA		4' To 5' Rhododendron - Five-leafed Azalea	82.51	
32 93 33 00-0562	EA		15" To 18" Rhododendron - Ghent Azalea	47.89	
32 93 33 00-0563	EA		18" To 24" Rhododendron - Ghent Azalea	59.70	
32 93 33 00-0564	EA		2' To 3' Rhododendron - Ghent Azalea.....	96.73	
32 93 33 00-0565	EA		3' To 4' Rhododendron - Ghent Azalea.....	133.76	
32 93 33 00-0566	EA		4' To 5' Rhododendron - Ghent Azalea.....	179.24	
32 93 33 00-0567	EA		5' To 6' Rhododendron - Ghent Azalea.....	239.07	
32 93 33 00-0568	EA		1 Gallon Rhododendron - Hybrid Rhododendron.....	15.70	
32 93 33 00-0569	EA		2 Gallon Rhododendron - Hybrid Rhododendron.....	33.94	
32 93 33 00-0570	EA		3 Gallon Rhododendron - Hybrid Rhododendron.....	48.16	
32 93 33 00-0571	EA		5 Gallon Rhododendron - Hybrid Rhododendron.....	53.80	
32 93 33 00-0572	EA		15" To 18" Rhododendron - Hybrid Rhododendron	45.48	
32 93 33 00-0573	EA		18" To 24" Rhododendron - Hybrid Rhododendron	62.65	
32 93 33 00-0574	EA		24" To 30" Rhododendron - Hybrid Rhododendron	85.32	
32 93 33 00-0575	EA		30" To 36" Rhododendron - Hybrid Rhododendron	99.55	
32 93 33 00-0576	EA		36" To 42" Rhododendron - Hybrid Rhododendron	142.34	
32 93 33 00-0577	EA		42" To 48" Rhododendron - Hybrid Rhododendron	176.42	
32 93 33 00-0578	EA		15" To 18" Rhododendron - Pjm Rhododendron	51.25	
32 93 33 00-0579	EA		18" To 24" Rhododendron - Pjm Rhododendron	62.65	
32 93 33 00-0580	EA		2' To 2-1/2' Rhododendron - Pjm Rhododendron	91.09	
32 93 33 00-0581	EA		2-1/2' To 3' Rhododendron - Pjm Rhododendron	116.72	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

32 93 33 00-0582	EA	3' To 3-1/2" Rhododendron - Pjm Rhododendron	142.34	
32 93 33 00-0583	EA	12" To 15" Rhododendron - Torch Azalea	39.85	
32 93 33 00-0584	EA	15" To 18" Rhododendron - Torch Azalea	47.89	
32 93 33 00-0585	EA	18" To 24" Rhododendron - Torch Azalea	59.70	
32 93 33 00-0586	EA	2' To 3' Rhododendron - Torch Azalea	99.55	
32 93 33 00-0587	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	44.96	
32 93 33 00-0588	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	54.95	
32 93 33 00-0589	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	67.44	
32 93 33 00-0590	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	84.92	
32 93 33 00-0591	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	99.91	
32 93 33 00-0592	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	119.89	
32 93 33 00-0593	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	12.88	
32 93 33 00-0594	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	35.69	
32 93 33 00-0595	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	29.97	
32 93 33 00-0596	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	41.21	
32 93 33 00-0597	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	47.46	
32 93 33 00-0598	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	62.44	
32 93 33 00-0599	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	37.46	
32 93 33 00-0600	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	62.44	
32 93 33 00-0601	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	99.91	
32 93 33 00-0602	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	33.72	
32 93 33 00-0603	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	38.71	
32 93 33 00-0604	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	56.20	
32 93 33 00-0605	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	74.93	
32 93 33 00-0606	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	20.61	
32 93 33 00-0607	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	24.98	
32 93 33 00-0608	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	31.22	
32 93 33 00-0609	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	22.48	
32 93 33 00-0610	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	28.72	
32 93 33 00-0611	EA	5 Gallon Sambucus canadensis - American Elder	41.21	
32 93 33 00-0612	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	9.33	
32 93 33 00-0613	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	23.08	
32 93 33 00-0614	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	9.33	
32 93 33 00-0615	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	23.08	
32 93 33 00-0616	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	18.51	
32 93 33 00-0617	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	27.10	
32 93 33 00-0618	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.06	
32 93 33 00-0619	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	26.30	
32 93 33 00-0620	EA	5 Gallon Senna artemisioides - Feathery Cassia	17.29	
32 93 33 00-0621	EA	15 Gallon Senna artemisioides - Feathery Cassia	68.79	
32 93 33 00-0622	EA	24" Box Senna artemisioides - Feathery Cassia	216.09	
32 93 33 00-0623	EA	1 Gallon Skimmia japonica - Japanese Skimmia	12.88	
32 93 33 00-0624	EA	2 Gallon Skimmia japonica - Japanese Skimmia	25.62	
32 93 33 00-0625	EA	5 Gallon Skimmia japonica - Japanese Skimmia	41.32	
32 93 33 00-0626	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.33	
32 93 33 00-0627	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	23.08	
32 93 33 00-0628	EA	3' To 4' Spiraea - Garland Spirea	59.70	
32 93 33 00-0629	EA	4' To 5' Spiraea - Garland Spirea	91.09	
32 93 33 00-0630	EA	5 Gallon Spiraea - Snowmound Spirea	35.69	
32 93 33 00-0631	EA	18" To 24" Spiraea - Snowmound Spirea	29.25	
32 93 33 00-0632	EA	2' To 3' Spiraea - Snowmound Spirea	41.32	
32 93 33 00-0633	EA	3' To 4' Spiraea - Snowmound Spirea	47.90	
32 93 33 00-0634	EA	4' To 5' Spiraea - Snowmound Spirea	82.51	
32 93 33 00-0635	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	12.88	
32 93 33 00-0636	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	25.36	
32 93 33 00-0637	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	29.35	
32 93 33 00-0638	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	31.85	
32 93 33 00-0639	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	32.47	
32 93 33 00-0640	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	37.46	
32 93 33 00-0641	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	42.46	
32 93 33 00-0642	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	49.33	
32 93 33 00-0643	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spirea	19.98	
32 93 33 00-0644	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spirea	29.97	
32 93 33 00-0645	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	27.47	
32 93 33 00-0646	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	32.47	
32 93 33 00-0647	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	37.46	
32 93 33 00-0648	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	42.46	
32 93 33 00-0649	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	54.95	
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.88	
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	23.10	
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	29.97	
32 93 33 00-0653	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	26.23	
32 93 33 00-0654	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	31.85	
32 93 33 00-0655	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	37.46	
32 93 33 00-0656	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	42.46	
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.97	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	47.46	
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	54.95	
32 93 33 00-0662	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	64.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0663	EA		5 Gallon Staphylea trifolia - Bladdernut	42.16	
32 93 33 00-0664	EA		2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	29.97	
32 93 33 00-0665	EA		5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	32.47	
32 93 33 00-0666	EA		24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	37.46	
32 93 33 00-0667	EA		30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	44.96	
32 93 33 00-0668	EA		2 Gallon Symphoricarpos albus - Common Snowberry	31.22	
32 93 33 00-0669	EA		5 Gallon Symphoricarpos albus - Common Snowberry	33.09	
32 93 33 00-0670	EA		24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	54.95	
32 93 33 00-0671	EA		30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	68.69	
32 93 33 00-0672	EA		36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	79.92	
32 93 33 00-0673	EA		42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	92.41	
32 93 33 00-0674	EA		18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	54.95	
32 93 33 00-0675	EA		24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	59.94	
32 93 33 00-0676	EA		30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	68.69	
32 93 33 00-0677	EA		36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	79.92	
32 93 33 00-0678	EA		42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	92.41	
32 93 33 00-0679	EA		60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	43.71	
32 93 33 00-0680	EA		72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	47.46	
32 93 33 00-0681	EA		36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	37.46	
32 93 33 00-0682	EA		42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	42.46	
32 93 33 00-0683	EA		48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	47.46	
32 93 33 00-0684	EA		60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	54.95	
32 93 33 00-0685	EA		72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	67.44	
32 93 33 00-0686	EA		5 Gallon Syringa x chinensis & cvs - Chinese Lilac	31.22	
32 93 33 00-0687	EA		36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	36.22	
32 93 33 00-0688	EA		48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	47.46	
32 93 33 00-0689	EA		48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	198.56	
32 93 33 00-0690	EA		54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	222.29	
32 93 33 00-0691	EA		60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	244.77	
32 93 33 00-0692	EA		72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	294.72	
32 93 33 00-0693	EA		18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	52.45	
32 93 33 00-0694	EA		24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	68.69	
32 93 33 00-0695	EA		30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	79.92	
32 93 33 00-0696	EA		36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	87.42	
32 93 33 00-0697	EA		15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	52.45	
32 93 33 00-0698	EA		18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	68.69	
32 93 33 00-0699	EA		24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	81.17	
32 93 33 00-0700	EA		30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	96.16	
32 93 33 00-0701	EA		36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	144.86	
32 93 33 00-0702	EA		36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	79.92	
32 93 33 00-0703	EA		48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	107.40	
32 93 33 00-0704	EA		60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	162.35	
32 93 33 00-0705	EA		72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	237.28	
32 93 33 00-0706	EA		84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	272.24	
32 93 33 00-0707	EA		96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	315.95	
32 93 33 00-0708	EA		15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	34.97	
32 93 33 00-0709	EA		18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	48.70	
32 93 33 00-0710	EA		24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	68.69	
32 93 33 00-0711	EA		3' To 4' Viburnum dilatatum - Linden Viburnum	59.70	
32 93 33 00-0712	EA		4' To 5' Viburnum dilatatum - Linden Viburnum	91.10	
32 93 33 00-0713	EA		5' To 6' Viburnum dilatatum - Linden Viburnum	119.54	
32 93 33 00-0714	EA		1 Gallon Viburnum japonicum - Japanese Viburnum	7.24	
32 93 33 00-0715	EA		3 Gallon Viburnum japonicum - Japanese Viburnum	19.86	
32 93 33 00-0716	EA		5 Gallon Viburnum plicatum - Japanese Snowball	35.69	
32 93 33 00-0717	EA		5' To 6' Viburnum plicatum - Japanese Snowball	133.76	
32 93 33 00-0718	EA		2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	62.65	
32 93 33 00-0719	EA		3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	73.92	
32 93 33 00-0720	EA		4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	103.97	
32 93 33 00-0721	EA		30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	68.69	
32 93 33 00-0722	EA		36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	82.42	
32 93 33 00-0723	EA		24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	62.44	
32 93 33 00-0724	EA		30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	74.93	
32 93 33 00-0725	EA		36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	87.42	
32 93 33 00-0726	EA		42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	99.91	
32 93 33 00-0727	EA		1 Gallon Viburnum davidii - David Viburnum	9.33	
32 93 33 00-0728	EA		5 Gallon Viburnum davidii - David Viburnum	23.08	
32 93 33 00-0729	EA		36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	34.97	
32 93 33 00-0730	EA		42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	37.46	
32 93 33 00-0731	EA		48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	43.71	
32 93 33 00-0732	EA		60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	49.95	
32 93 33 00-0733	EA		72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	54.95	
32 93 33 00-0734	EA		30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	33.72	
32 93 33 00-0735	EA		36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	37.46	
32 93 33 00-0736	EA		42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	47.46	
32 93 33 00-0737	EA		48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	54.95	
32 93 33 00-0738	EA		60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	74.93	
32 93 33 00-0739	EA		72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	89.92	
32 93 33 00-0740	EA		36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	37.46	
32 93 33 00-0741	EA		48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	49.95	
32 93 33 00-0742	EA		5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	62.44	
32 93 33 00-0743	EA		6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	87.42	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0744	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	124.88
32 93 33 00-0745	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	174.84
32 93 33 00-0746	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	224.79
32 93 33 00-0747	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	44.96
32 93 33 00-0748	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	49.95
32 93 33 00-0749	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	89.92
32 93 33 00-0750	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	137.37
32 93 33 00-0751	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	174.84
32 93 33 00-0752	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	212.30
32 93 33 00-0753	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	262.25
32 93 33 00-0754	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	312.21
32 93 33 00-0755	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	374.65
32 93 33 00-0756	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	437.09
32 93 33 00-0757	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	38.09
32 93 33 00-0758	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	41.84
32 93 33 00-0759	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	47.46
32 93 33 00-0760	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	54.95
32 93 33 00-0761	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	63.07
32 93 33 00-0762	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	36.22
32 93 33 00-0763	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	43.71
32 93 33 00-0764	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	52.45
32 93 33 00-0765	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	59.94
32 93 33 00-0766	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	72.43
32 93 33 00-0767	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	79.92
32 93 33 00-0768	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	62.44
32 93 33 00-0769	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	74.93
32 93 33 00-0770	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	87.42
32 93 33 00-0771	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	99.91
32 93 33 00-0772	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	112.39
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	79.92
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	89.92
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	102.40
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	117.39
32 93 33 00-0777	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	73.92
32 93 33 00-0778	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	91.09
32 93 33 00-0779	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	133.76
32 93 33 00-0780	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	41.21
32 93 33 00-0781	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	37.46
32 93 33 00-0782	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	42.46
32 93 33 00-0783	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	47.46
32 93 33 00-0784	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	54.95
32 93 33 00-0785	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	62.44
32 93 33 00-0786	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.59
32 93 33 00-0787	EA	5 Gallon Xylosma congestum - Shiny Xylosma	24.28
32 93 33 00-0788	EA	15 Gallon Xylosma congestum - Shiny Xylosma	106.79
32 93 33 00-0789	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.24
32 93 33 00-0790	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	19.18
32 93 33 00-0791	EA	1 Gallon Yucca filamentosa - Adams Needle	10.06
32 93 33 00-0792	EA	3 Gallon Yucca filamentosa - Adams Needle	19.59
32 93 33 00-0793	EA	5 Gallon Yucca filamentosa - Adams Needle	30.99
32 93 33 00-0794	EA	5 Gallon Border Forsythia - Goldenbells	34.48
32 93 33 00-0795	EA	2' To 3' Border Forsythia - Goldenbells	28.44
32 93 33 00-0796	EA	3' To 4' Border Forsythia - Goldenbells	35.95
32 93 33 00-0797	EA	4' To 5' Border Forsythia - Goldenbells	44.81
32 93 33 00-0798	EA	5' To 6' Border Forsythia - Goldenbells	53.80
32 93 33 00-0799	EA	6' To 8' Border Forsythia - Goldenbells	73.92
32 93 33 00-0800	EA	3' Juniperus chinensis - Columnar Chinese Juniper	73.24
32 93 33 00-0801	EA	4' Juniperus chinensis - Columnar Chinese Juniper	100.53
32 93 33 00-0802	EA	5' Juniperus chinensis - Columnar Chinese Juniper	157.98
32 93 33 00-0803	EA	6' Juniperus chinensis - Columnar Chinese Juniper	183.83
32 93 33 00-0804	EA	7' Juniperus chinensis - Columnar Chinese Juniper	241.27
32 93 33 00-0805	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	14.36
32 93 33 00-0806	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	20.11
32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	48.69
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	14.36
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	20.11

32 93 43 Trees (32 93)

Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	343.78
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	420.17
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	477.47
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	553.86
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	630.26
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	744.85
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	272.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0009	EA		2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,222.32	
32 93 43 00-0010	EA		2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,527.90	
32 93 43 00-0011	EA		5' Clump Form Acer griseum - Paperbark Maple	305.58	
32 93 43 00-0012	EA		1-1/2" Caliper Aesculus californica - California Buckeye	763.95	
32 93 43 00-0013	EA		2" Caliper Aesculus californica - California Buckeye	993.13	
32 93 43 00-0014	EA		2-1/2" Caliper Aesculus californica - California Buckeye	1,145.92	
32 93 43 00-0015	EA		3" Caliper Aesculus californica - California Buckeye	1,298.71	
32 93 43 00-0016	EA		3-1/2" Caliper Aesculus californica - California Buckeye	1,527.90	
32 93 43 00-0017	EA		36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	99.91	
32 93 43 00-0018	EA		48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	124.88	
32 93 43 00-0019	EA		60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	154.85	
32 93 43 00-0020	EA		60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	124.88	
32 93 43 00-0021	EA		72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	149.86	
32 93 43 00-0022	EA		7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	174.84	
32 93 43 00-0023	EA		8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	199.81	
32 93 43 00-0024	EA		5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	224.79	
32 93 43 00-0025	EA		6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	249.77	
32 93 43 00-0026	EA		7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	287.23	
32 93 43 00-0027	EA		8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	324.69	
32 93 43 00-0028	EA		9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	374.65	
32 93 43 00-0029	EA		1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	381.97	
32 93 43 00-0030	EA		2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	534.76	
32 93 43 00-0031	EA		2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	572.96	
32 93 43 00-0032	EA		3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	668.45	
32 93 43 00-0033	EA		6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	477.47	
32 93 43 00-0034	EA		7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	572.96	
32 93 43 00-0035	EA		8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	668.45	
32 93 43 00-0036	EA		10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	763.95	
32 93 43 00-0037	EA		12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	859.44	
32 93 43 00-0038	EA		14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	954.93	
32 93 43 00-0039	EA		7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	287.23	
32 93 43 00-0040	EA		8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	337.18	
32 93 43 00-0041	EA		9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	387.14	
32 93 43 00-0042	EA		10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	424.60	
32 93 43 00-0043	EA		30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	99.91	
32 93 43 00-0044	EA		48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	212.30	
32 93 43 00-0045	EA		60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	274.74	
32 93 43 00-0046	EA		2' To 4' Amelemchier - Juneberry	30.41	
32 93 43 00-0047	EA		4' To 5' Amelemchier - Juneberry	31.90	
32 93 43 00-0048	EA		5' To 6' Amelemchier - Juneberry	37.98	
32 93 43 00-0049	EA		6' To 8' Amelemchier - Juneberry	45.32	
32 93 43 00-0050	EA		3' Clump Form Asimina triloba - Paw-Paw	267.38	
32 93 43 00-0051	EA		4' Clump Form Asimina triloba - Paw-Paw	305.58	
32 93 43 00-0052	EA		5' Clump Form Asimina triloba - Paw-Paw	420.17	
32 93 43 00-0053	EA		1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	572.96	
32 93 43 00-0054	EA		2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	668.45	
32 93 43 00-0055	EA		2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	859.44	
32 93 43 00-0056	EA		5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	343.78	
32 93 43 00-0057	EA		6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	420.17	
32 93 43 00-0058	EA		7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	572.96	
32 93 43 00-0059	EA		8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	668.45	
32 93 43 00-0060	EA		10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	802.15	
32 93 43 00-0061	EA		12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	974.03	
32 93 43 00-0062	EA		14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	1,107.72	
32 93 43 00-0063	EA		6' Cercis occidentalis - Western Redbud	213.92	
32 93 43 00-0064	EA		8' Cercis occidentalis - Western Redbud	294.31	
32 93 43 00-0065	EA		2-1/2" Caliper Cercis occidentalis - Western Redbud	606.19	
32 93 43 00-0066	EA		3" Caliper Cercis occidentalis - Western Redbud	737.97	
32 93 43 00-0067	EA		15 Gallon Cercis canadensis & cvs - Eastern Redbud	186.72	
32 93 43 00-0068	EA		20 Gallon Cercis canadensis & cvs - Eastern Redbud	233.40	
32 93 43 00-0069	EA		6' Clump Form Cercis canadensis & cvs - Eastern Redbud	458.37	
32 93 43 00-0070	EA		7' Clump Form Cercis canadensis & cvs - Eastern Redbud	630.26	
32 93 43 00-0071	EA		8' Clump Form Cercis canadensis & cvs - Eastern Redbud	802.15	
32 93 43 00-0072	EA		1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	439.27	
32 93 43 00-0073	EA		2" Caliper Cercis canadensis & cvs - Eastern Redbud	515.66	
32 93 43 00-0074	EA		5' To 6' Chaenomeles - Orange Quince	120.65	
32 93 43 00-0075	EA		6' To 8' Chaenomeles - Orange Quince	150.81	
32 93 43 00-0076	EA		5' Clump Form Chionanthus virginicus - White Fringetree	381.97	
32 93 43 00-0077	EA		6' Clump Form Chionanthus virginicus - White Fringetree	477.47	
32 93 43 00-0078	EA		7' Clump Form Chionanthus virginicus - White Fringetree	611.16	
32 93 43 00-0079	EA		4' To 5' Cornus - Pink Or Red Flowering Dogwood	137.88	
32 93 43 00-0080	EA		5' To 6' Cornus - Pink Or Red Flowering Dogwood	172.35	
32 93 43 00-0081	EA		6' To 7' Cornus - Pink Or Red Flowering Dogwood	241.30	
32 93 43 00-0082	EA		7' To 8' Cornus - Pink Or Red Flowering Dogwood	310.24	
32 93 43 00-0083	EA		4' To 5' Cornus - White Flowering Dogwood	91.92	
32 93 43 00-0084	EA		5' To 6' Cornus - White Flowering Dogwood	137.88	
32 93 43 00-0085	EA		6' To 7' Cornus - White Flowering Dogwood	193.04	
32 93 43 00-0086	EA		3' To 4' Cornus kousa - Japanese Dogwood	91.92	
32 93 43 00-0087	EA		4' To 5' Cornus kousa - Japanese Dogwood	105.71	
32 93 43 00-0088	EA		5' To 6' Cornus kousa - Japanese Dogwood	137.88	
32 93 43 00-0089	EA		6' To 8' Cornus kousa - Japanese Dogwood	202.23	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	275.77	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	439.27	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	534.76	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	210.09	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	267.38	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	305.58	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	343.78	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	420.17	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	210.09	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	267.38	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	324.68	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	381.97	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	534.76	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	477.47	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	572.96	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	668.45	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	381.97	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	477.47	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	592.06	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	668.45	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	763.95	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	859.44	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	381.97	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	458.37	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	534.76	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	668.45	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	859.44	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	305.58	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	343.78	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	381.97	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	439.27	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	572.96	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	649.36	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	267.38	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	324.68	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	381.97	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	477.47	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	592.06	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	706.65	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	821.24	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	305.58	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	343.78	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	477.47	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	630.26	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	286.48	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	381.97	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	477.47	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	572.96	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	190.99	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	248.28	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	305.58	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	420.17	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	572.96	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	10.98	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	35.14	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	60.40	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	115.31	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	153.74	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	197.67	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	72.39	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	108.58	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	135.73	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	169.05	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	286.48	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	381.97	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	496.57	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	553.86	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	744.85	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	668.45	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	286.48	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	381.97	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	496.57	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	553.86	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	668.45	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	744.85	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	286.48	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	381.97	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	496.57	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	553.86	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	668.45	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	744.85	



Exterior Improvements		32
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0171 EA 4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	286.48	
32 93 43 00-0172 EA 5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	381.97	
32 93 43 00-0173 EA 6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	496.57	
32 93 43 00-0174 EA 7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	553.86	
32 93 43 00-0175 EA 8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	668.45	
32 93 43 00-0176 EA 9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	744.85	
32 93 43 00-0177 EA 4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	286.48	
32 93 43 00-0178 EA 5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	381.97	
32 93 43 00-0179 EA 6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	496.57	
32 93 43 00-0180 EA 7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	553.86	
32 93 43 00-0181 EA 8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	668.45	
32 93 43 00-0182 EA 9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	744.85	
32 93 43 00-0183 EA 5 Gallon Malus - Crabapple	77.56	
32 93 43 00-0184 EA 15 Gallon Malus - Crabapple	197.78	
32 93 43 00-0185 EA 20 Gallon Malus - Crabapple	232.68	
32 93 43 00-0186 EA 1-1/2" Caliper Malus cvs - Crabapple Varieties	229.18	
32 93 43 00-0187 EA 2" Caliper Malus cvs - Crabapple Varieties	305.58	
32 93 43 00-0188 EA 2-1/2" Caliper Malus cvs - Crabapple Varieties	381.97	
32 93 43 00-0189 EA 3" Caliper Malus cvs - Crabapple Varieties	458.37	
32 93 43 00-0190 EA 3-1/2" Caliper Malus cvs - Crabapple Varieties	534.76	
32 93 43 00-0191 EA 4" Caliper Malus cvs - Crabapple Varieties	611.16	
32 93 43 00-0192 EA 6' Clump Form Malus cvs - Crabapple Varieties	343.78	
32 93 43 00-0193 EA 7' Clump Form Malus cvs - Crabapple Varieties	381.97	
32 93 43 00-0194 EA 8' Clump Form Malus cvs - Crabapple Varieties	477.47	
32 93 43 00-0195 EA 10' Clump Form Malus cvs - Crabapple Varieties	534.76	
32 93 43 00-0196 EA 12' Clump Form Malus cvs - Crabapple Varieties	687.55	
32 93 43 00-0197 EA 1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	381.97	
32 93 43 00-0198 EA 2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	477.47	
32 93 43 00-0199 EA 4' Clump Form Malus dwarf cvs - Dwarf Crabapple	286.48	
32 93 43 00-0200 EA 5' Clump Form Malus dwarf cvs - Dwarf Crabapple	362.88	
32 93 43 00-0201 EA 6' Clump Form Malus dwarf cvs - Dwarf Crabapple	439.27	
32 93 43 00-0202 EA 7' Clump Form Malus dwarf cvs - Dwarf Crabapple	496.57	
32 93 43 00-0203 EA 8' Clump Form Malus dwarf cvs - Dwarf Crabapple	553.86	
32 93 43 00-0204 EA 9' Clump Form Malus dwarf cvs - Dwarf Crabapple	611.16	
32 93 43 00-0205 EA 4' To 5' Oxydendrum arboreum - Sourwood	175.23	
32 93 43 00-0206 EA 5' To 6' Oxydendrum arboreum - Sourwood	219.04	
32 93 43 00-0207 EA 6' To 7' Oxydendrum arboreum - Sourwood	262.84	
32 93 43 00-0208 EA 7' To 8' Oxydendrum arboreum - Sourwood	306.65	
32 93 43 00-0209 EA 1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.52	
32 93 43 00-0210 EA 5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	27.59	
32 93 43 00-0211 EA 20 Gallon Prunus subhirtella - Flowering Cherry	376.75	
32 93 43 00-0212 EA 1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	389.45	
32 93 43 00-0213 EA 2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	486.76	
32 93 43 00-0214 EA 3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,015.82	
32 93 43 00-0215 EA 3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	782.92	
32 93 43 00-0216 EA 4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,523.74	
32 93 43 00-0217 EA 5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	97.31	
32 93 43 00-0218 EA 15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	266.55	
32 93 43 00-0219 EA 20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	347.14	
32 93 43 00-0220 EA 5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	110.00	
32 93 43 00-0221 EA 6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	211.55	
32 93 43 00-0222 EA 1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	389.45	
32 93 43 00-0223 EA 2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	465.60	
32 93 43 00-0224 EA 1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	304.83	
32 93 43 00-0225 EA 1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	253.86	
32 93 43 00-0226 EA 1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	372.32	
32 93 43 00-0227 EA 2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	444.45	
32 93 43 00-0228 EA 2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	571.38	
32 93 43 00-0229 EA 4' To 6' Prunus - Pigeon Plum	154.04	
32 93 43 00-0230 EA 8' To 10' Prunus - Pigeon Plum	523.75	
32 93 43 00-0231 EA 10' To 12' Prunus - Pigeon Plum	665.47	
32 93 43 00-0232 EA 14' To 16' Prunus - Pigeon Plum	1,047.51	
32 93 43 00-0233 EA 6' To 8' Prunus yedoensis - Yoshino Cherry	220.21	
32 93 43 00-0234 EA 1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	338.68	
32 93 43 00-0235 EA 2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	414.63	
32 93 43 00-0236 EA 2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	529.07	
32 93 43 00-0237 EA 15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	294.15	
32 93 43 00-0238 EA 20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	367.69	
32 93 43 00-0239 EA 1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	382.39	
32 93 43 00-0240 EA 2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	455.93	
32 93 43 00-0241 EA 2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	617.71	
32 93 43 00-0242 EA 3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	808.91	
32 93 43 00-0243 EA 3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,029.52	
32 93 43 00-0244 EA 15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	294.15	
32 93 43 00-0245 EA 20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	367.69	
32 93 43 00-0246 EA 1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	250.03	
32 93 43 00-0247 EA 2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	382.39	
32 93 43 00-0248 EA 2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	455.53	
32 93 43 00-0249 EA 3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	617.71	
32 93 43 00-0250 EA 3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	808.91	
32 93 43 00-0251 EA 1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	535.81	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0252	EA	2"	Caliper Pyrus calleryana & cvs - Callery Pear	669.76	
32 93 43 00-0253	EA	2-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	830.50	
32 93 43 00-0254	EA	3"	Caliper Pyrus calleryana & cvs - Callery Pear	937.67	
32 93 43 00-0255	EA	3-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	1,044.83	
32 93 43 00-0256	EA	4"	Caliper Pyrus calleryana & cvs - Callery Pear	1,339.52	
32 93 43 00-0257	EA	1	Gallon Ribes aureum - Golden Currant	5.70	
32 93 43 00-0258	EA	5	Gallon Ribes aureum - Golden Currant	16.30	
32 93 43 00-0259	EA	1	Gallon Ribes sanguineum - Red Flowering Currant	5.70	
32 93 43 00-0260	EA	5	Gallon Ribes sanguineum - Red Flowering Currant	16.30	
32 93 43 00-0261	EA	1	Gallon Ribes viburnifolium - Evergreen Currant	5.70	
32 93 43 00-0262	EA	5	Gallon Ribes viburnifolium - Evergreen Currant	16.30	
32 93 43 00-0263	EA	1-3/4"	Caliper Sophora japonica - Japanese Pagoda	510.68	
32 93 43 00-0264	EA	2"	Caliper Sophora japonica - Japanese Pagoda	574.51	
32 93 43 00-0265	EA	2-1/2"	Caliper Sophora japonica - Japanese Pagoda	670.26	
32 93 43 00-0266	EA	3"	Caliper Sophora japonica - Japanese Pagoda	980.32	
32 93 43 00-0267	EA	3-1/2"	Caliper Sophora japonica - Japanese Pagoda	1,481.88	
32 93 43 00-0268	EA	1-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	381.97	
32 93 43 00-0269	EA	2"	Caliper Sorbus alnifolia - Korean Mountainash	477.47	
32 93 43 00-0270	EA	2-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	592.06	
32 93 43 00-0271	EA	3"	Caliper Sorbus alnifolia - Korean Mountainash	725.75	
32 93 43 00-0272	EA	3-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	878.54	
32 93 43 00-0273	EA	4"	Caliper Sorbus alnifolia - Korean Mountainash	1,050.43	
32 93 43 00-0274	EA	1-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	496.57	
32 93 43 00-0275	EA	2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	534.76	
32 93 43 00-0276	EA	2-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	649.36	
32 93 43 00-0277	EA	4'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	305.58	
32 93 43 00-0278	EA	5'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	362.88	
32 93 43 00-0279	EA	6'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	420.17	
32 93 43 00-0280	EA	7'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	477.47	
32 93 43 00-0281	EA	8'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	553.86	
32 93 43 00-0282	EA	10'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	706.65	
32 93 43 00-0283	EA	12'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	802.15	
32 93 43 00-0284	EA	14'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	916.74	
32 93 43 00-0285	EA	8'	Cassia leptophylla - Gold Medallion Tree	391.22	
32 93 43 00-0286	EA	10'	Cassia leptophylla - Gold Medallion Tree	496.55	
32 93 43 00-0287	EA	12'	Cassia leptophylla - Gold Medallion Tree	601.88	
32 93 43 00-0288	EA	6'	Magnolia grandiflora 'St. Mary's'	451.41	
32 93 43 00-0289	EA	8'	Magnolia grandiflora 'St. Mary's'	797.49	
32 93 43 00-0290	EA	10'	Magnolia grandiflora 'St. Mary's'	1,002.13	
32 93 43 00-0291	EA	12'	Magnolia grandiflora 'St. Mary's'	1,203.76	
32 93 43 00-0292	EA	14'	Magnolia grandiflora 'St. Mary's'	1,399.37	
32 93 43 00-0293	EA	16'	Magnolia grandiflora 'St. Mary's'	1,655.17	
32 93 43 00-0294	EA	24"	Box Magnolia grandiflora 'St. Mary's'	496.55	
32 93 43 00-0295	EA	6'	Prunus cerasifera - Purple Leaf Plum	234.73	
32 93 43 00-0296	EA	8'	Prunus cerasifera - Purple Leaf Plum	270.85	
32 93 43 00-0297	EA	10'	Prunus cerasifera - Purple Leaf Plum	349.09	
32 93 43 00-0298	EA	24"	Box Prunus cerasifera - Purple Leaf Plum	371.66	
32 93 43 00-0299	EA	30"	Box Prunus cerasifera - Purple Leaf Plum	752.35	
32 93 43 00-0300	EA	36"	Box Prunus cerasifera - Purple Leaf Plum	1,154.10	
32 93 43 00-0301	EA	6'	Pittosporum phylliraeoides - Willow Pittosporum	490.53	
32 93 43 00-0302	EA	8'	Pittosporum phylliraeoides - Willow Pittosporum	701.19	
32 93 43 00-0303	EA	10'	Pittosporum phylliraeoides - Willow Pittosporum	839.62	
32 93 43 00-0304	EA	12'	Pittosporum phylliraeoides - Willow Pittosporum	1,083.38	
32 93 43 00-0305	EA	6'	Stenocarpus sinuatus - Firewheel Tree	722.26	
32 93 43 00-0306	EA	8'	Stenocarpus sinuatus - Firewheel Tree	963.01	
32 93 43 00-0307	EA	10'	Stenocarpus sinuatus - Firewheel Tree	1,203.76	
32 93 43 00-0308	EA	12'	Stenocarpus sinuatus - Firewheel Tree	1,444.51	
32 93 43 00-0309	EA	24"	Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	325.85	
32 93 43 00-0310	EA	36"	Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	943.25	
32 93 43 00-0311	EA	1-1/2"	Caliper Arbutus menziesii - Madrona	523.37	
32 93 43 00-0312	EA	2"	Caliper Arbutus menziesii - Madrona	680.39	
32 93 43 00-0313	EA	2-1/2"	Caliper Arbutus menziesii - Madrona	785.06	
32 93 43 00-0314	EA	3"	Caliper Arbutus menziesii - Madrona	889.74	
32 93 43 00-0315	EA	3-1/2"	Caliper Arbutus menziesii - Madrona	1,046.75	
32 93 43 00-0316	EA	1-1/2"	Caliper Koelreuteria bipinnata - Chinese Flame Tree	361.13	
32 93 43 00-0317	EA	2"	Caliper Koelreuteria bipinnata - Chinese Flame Tree	586.83	
32 93 43 00-0318	EA	2-1/2"	Caliper Koelreuteria bipinnata - Chinese Flame Tree	722.26	
32 93 43 00-0319	EA	3"	Caliper Koelreuteria bipinnata - Chinese Flame Tree	797.49	
32 93 43 00-0320	EA	24"	Box Koelreuteria bipinnata - Chinese Flame Tree	352.10	
32 93 43 00-0321	EA	30"	Box Koelreuteria bipinnata - Chinese Flame Tree	812.54	
32 93 43 00-0322	EA	36"	Box Koelreuteria bipinnata - Chinese Flame Tree	1,271.47	
32 93 43 00-0323	EA	1-1/2"	Cliber Koelreuteria paniculata - Golden Rain Tree	328.02	
32 93 43 00-0324	EA	2"	Cliber Koelreuteria paniculata - Golden Rain Tree	532.66	
32 93 43 00-0325	EA	2-1/2"	Cliber Koelreuteria paniculata - Golden Rain Tree	653.04	
32 93 43 00-0326	EA	3"	Cliber Koelreuteria paniculata - Golden Rain Tree	737.30	
32 93 43 00-0327	EA	6'	Magnolia grandiflora - Southern Magnolia	222.70	
32 93 43 00-0328	EA	7'	Magnolia grandiflora - Southern Magnolia	337.05	
32 93 43 00-0329	EA	8'	Magnolia grandiflora - Southern Magnolia	472.48	
32 93 43 00-0330	EA	9'	Magnolia grandiflora - Southern Magnolia	628.96	
32 93 43 00-0331	EA	10'	Magnolia grandiflora - Southern Magnolia	956.99	
32 93 43 00-0332	EA	24"	Box Magnolia grandiflora - Southern Magnolia	391.22	



Exterior Improvements 32

Planting 32 90

Plants 32 93

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0333	EA	1-1/2"	Caliper Tipuana tipu - Tipu Tree.....	466.46	
32 93 43 00-0334	EA	2"	Caliper Tipuana tipu - Tipu Tree.....	607.90	
32 93 43 00-0335	EA	2-1/2"	Caliper Tipuana tipu - Tipu Tree.....	770.41	
32 93 43 00-0336	EA	3"	Caliper Tipuana tipu - Tipu Tree.....	887.77	
32 93 43 00-0337	EA	3-1/2"	Caliper Tipuana tipu - Tipu Tree.....	1,306.08	
32 93 43 00-0338	EA	4"	Caliper Tipuana tipu - Tipu Tree.....	1,745.45	
32 93 43 00-0339	EA	24"	Box Tipuana tipu - Tipu Tree.....	352.10	
32 93 43 00-0340	EA	6'	Albizia julibrissin - Silk Tree.....	722.26	
32 93 43 00-0341	EA	8'	Albizia julibrissin - Silk Tree.....	963.01	
32 93 43 00-0342	EA	10'	Albizia julibrissin - Silk Tree.....	1,203.76	
32 93 43 00-0343	EA	12'	Albizia julibrissin - Silk Tree.....	1,444.51	
32 93 43 00-0344	EA	6'	Brachychiton acerifolius - Flame Tree.....	722.26	
32 93 43 00-0345	EA	8'	Brachychiton acerifolius - Flame Tree.....	963.01	
32 93 43 00-0346	EA	10'	Brachychiton acerifolius - Flame Tree.....	1,203.76	
32 93 43 00-0347	EA	12'	Brachychiton acerifolius - Flame Tree.....	1,444.51	
32 93 43 00-0348	EA	1-1/2"	Caliper Chilopsis linearis - Desert Willow.....	583.82	
32 93 43 00-0349	EA	2"	Caliper Chilopsis linearis - Desert Willow.....	701.19	
32 93 43 00-0350	EA	2-1/2"	Caliper Chilopsis linearis - Desert Willow.....	746.33	
32 93 43 00-0351	EA	3"	Caliper Chilopsis linearis - Desert Willow.....	827.58	
32 93 43 00-0352	EA	5 Gallon	Chionanthus retusus - Chinese Fringe Tree.....	30.09	
32 93 43 00-0353	EA	15 Gallon	Chionanthus retusus - Chinese Fringe Tree.....	120.38	
32 93 43 00-0354	EA	24"	Box Chionanthus retusus - Chinese Fringe Tree.....	601.88	
32 93 43 00-0355	EA	5 Gallon	Calodendrum capense - Cape Chestnut.....	45.14	
32 93 43 00-0356	EA	15 Gallon	Calodendrum capense - Cape Chestnut.....	180.56	
32 93 43 00-0357	EA	24"	Box Calodendrum capense - Cape Chestnut.....	677.12	
32 93 43 00-0358	EA	6'	Chionanthus virginicus - White Fringe Tree.....	361.13	
32 93 43 00-0359	EA	8'	Chionanthus virginicus - White Fringe Tree.....	614.98	
32 93 43 00-0360	EA	10'	Chionanthus virginicus - White Fringe Tree.....	856.58	
32 93 43 00-0361	EA	15 Gallon	Geijera parvifolia - Australian Willow.....	263.56	
32 93 43 00-0362	EA	24"	Box Geijera parvifolia - Australian Willow.....	542.50	
32 93 43 00-0363	EA	30"	Box Geijera parvifolia - Australian Willow.....	1,010.32	
32 93 43 00-0364	EA	36"	Box Geijera parvifolia - Australian Willow.....	1,449.59	
32 93 43 00-0365	EA	1-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	781.90	
32 93 43 00-0366	EA	2"	Caliper Ginko Biloba - Maidenhair Tree.....	1,089.39	
32 93 43 00-0367	EA	2-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	1,313.42	
32 93 43 00-0368	EA	3"	Caliper Ginko Biloba - Maidenhair Tree.....	1,533.05	
32 93 43 00-0369	EA	3-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	2,007.46	
32 93 43 00-0370	EA	4"	Caliper Ginko Biloba - Maidenhair Tree.....	2,143.64	
32 93 43 00-0371	EA	4-1/2"	Caliper Ginko Biloba - Maidenhair Tree.....	2,284.20	
32 93 43 00-0372	EA	24"	Box Ginko Biloba - Maidenhair Tree.....	713.81	
32 93 43 00-0373	EA	15 Gallon	Sapium sebiferum - Chinese Tallow Tree.....	263.56	
32 93 43 00-0374	EA	24"	Box Sapium sebiferum - Chinese Tallow Tree.....	966.39	
32 93 43 00-0375	EA	4' To 5'	Lagerstroemia indica - Crape Myrtle.....	281.13	
32 93 43 00-0376	EA	6'	Lagerstroemia indica - Crape Myrtle.....	522.73	
32 93 43 00-0377	EA	8'	Lagerstroemia indica - Crape Myrtle.....	540.30	
32 93 43 00-0378	EA	10'	Lagerstroemia indica - Crape Myrtle.....	654.51	
32 93 43 00-0379	EA	24"	Box Lagerstroemia indica - Crape Myrtle.....	513.95	
32 93 43 00-0380	EA	5 Gallon	Celtis Sinensis - Chinese Hackberry.....	44.16	
32 93 43 00-0381	EA	15 Gallon	Celtis Sinensis - Chinese Hackberry.....	116.42	
32 93 43 00-0382	EA	24"	Box Celtis Sinensis - Chinese Hackberry.....	381.37	
32 93 43 00-0383	EA	36"	Box Celtis Sinensis - Chinese Hackberry.....	1,114.00	
32 93 43 00-0384	EA	5 Gallon	Crataegus phaenopyrum - Washington Hawthorn.....	44.16	
32 93 43 00-0385	EA	15 Gallon	Crataegus phaenopyrum - Washington Hawthorn.....	116.42	
32 93 43 00-0386	EA	24"	Box Crataegus phaenopyrum - Washington Hawthorn.....	381.37	
32 93 43 00-0387	EA	36"	Box Crataegus phaenopyrum - Washington Hawthorn.....	1,114.00	
32 93 43 00-0388	EA	1 Gallon	Eucalyptus ficifolia - Red-Flowering Gum.....	13.05	
32 93 43 00-0389	EA	5 Gallon	Eucalyptus ficifolia - Red-Flowering Gum.....	36.13	
32 93 43 00-0390	EA	15 Gallon	Eucalyptus ficifolia - Red-Flowering Gum.....	158.57	
32 93 43 00-0391	EA	24"	Box Eucalyptus ficifolia - Red-Flowering Gum.....	381.37	
32 93 43 00-0392	EA	36"	Box Eucalyptus ficifolia - Red-Flowering Gum.....	1,003.60	
32 93 43 00-0393	EA	15 Gallon	Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	98.35	
32 93 43 00-0394	EA	24"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	321.15	
32 93 43 00-0395	EA	36"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	853.06	
32 93 43 00-0396	EA	48"	Box Fraxinus velutina 'Raywood' - Fan-Tex Ash.....	1,906.84	
32 93 43 00-0397	EA	5 Gallon	Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	28.10	
32 93 43 00-0398	EA	15 Gallon	Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	98.35	
32 93 43 00-0399	EA	24"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	321.15	
32 93 43 00-0400	EA	36"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	853.06	
32 93 43 00-0401	EA	48"	Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust.....	1,906.84	
32 93 43 00-0402	EA	5 Gallon	Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	28.10	
32 93 43 00-0403	EA	15 Gallon	Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	118.42	
32 93 43 00-0404	EA	24"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	321.15	
32 93 43 00-0405	EA	36"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	903.24	
32 93 43 00-0406	EA	48"	Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	2,308.28	
32 93 43 00-0407	EA	5 Gallon	Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	28.10	
32 93 43 00-0408	EA	15 Gallon	Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	118.42	
32 93 43 00-0409	EA	24"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	321.15	
32 93 43 00-0410	EA	36"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	903.24	
32 93 43 00-0411	EA	48"	Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	2,308.28	
32 93 43 00-0412	EA	5 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	28.10	
32 93 43 00-0413	EA	15 Gallon	Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	118.42	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0414	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	321.15
32 93 43 00-0415	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	903.24
32 93 43 00-0416	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	2,308.28
32 93 43 00-0417	EA	1 Gallon Pittosporum undulatum - Victorian Box	11.15
32 93 43 00-0418	EA	5 Gallon Pittosporum undulatum - Victorian Box	24.01
32 93 43 00-0419	EA	15 Gallon Pittosporum undulatum - Victorian Box	135.48
32 93 43 00-0420	EA	24" Box Pittosporum undulatum - Victorian Box	325.85
32 93 43 00-0421	EA	36" Box Pittosporum undulatum - Victorian Box	943.25
32 93 43 00-0422	EA	48" Box Pittosporum undulatum - Victorian Box	2,143.75
32 93 43 00-0423	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	100.26
32 93 43 00-0424	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	361.20

32 93 43 00-0425**Deciduous Shade Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0426	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	233.37
32 93 43 00-0427	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	286.07
32 93 43 00-0428	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	372.65
32 93 43 00-0429	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	483.06
32 93 43 00-0430	EA	2' To 2-1/2' Acer palmatum - Japanese Maple.....	24.62
32 93 43 00-0431	EA	4' To 5' Acer palmatum - Japanese Maple.....	51.69
32 93 43 00-0432	EA	5' To 6' Acer palmatum - Japanese Maple.....	67.69
32 93 43 00-0433	EA	6' To 7' Acer palmatum - Japanese Maple.....	123.07
32 93 43 00-0434	EA	7' To 8' Acer palmatum - Japanese Maple.....	172.30
32 93 43 00-0435	EA	8' To 10' Acer palmatum - Japanese Maple.....	221.53
32 93 43 00-0436	EA	10' To 12' Acer palmatum - Japanese Maple.....	295.38
32 93 43 00-0437	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	125.47
32 93 43 00-0438	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	152.75
32 93 43 00-0439	EA	3" Caliper Acer platanoides & cvs - Norway Maple.....	196.39
32 93 43 00-0440	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	229.12
32 93 43 00-0441	EA	4" Caliper Acer platanoides & cvs - Norway Maple.....	245.48
32 93 43 00-0442	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	267.31
32 93 43 00-0443	EA	5" Caliper Acer platanoides & cvs - Norway Maple.....	300.04
32 93 43 00-0444	EA	2" Caliper Acer rubrum & cvs - Red Maple	120.01
32 93 43 00-0445	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	152.75
32 93 43 00-0446	EA	3" Caliper Acer rubrum & cvs - Red Maple	196.39
32 93 43 00-0447	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	240.03
32 93 43 00-0448	EA	4" Caliper Acer rubrum & cvs - Red Maple	272.76
32 93 43 00-0449	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	316.40
32 93 43 00-0450	EA	5" Caliper Acer rubrum & cvs - Red Maple	354.59
32 93 43 00-0451	EA	8' Clump Form Acer rubrum & cvs - Red Maple.....	147.29
32 93 43 00-0452	EA	10' Clump Form Acer rubrum & cvs - Red Maple.....	196.39
32 93 43 00-0453	EA	12' Clump Form Acer rubrum & cvs - Red Maple.....	229.12
32 93 43 00-0454	EA	14' Clump Form Acer rubrum & cvs - Red Maple.....	261.85
32 93 43 00-0455	EA	16' Clump Form Acer rubrum & cvs - Red Maple.....	294.58
32 93 43 00-0456	EA	18' Clump Form Acer rubrum & cvs - Red Maple.....	327.31
32 93 43 00-0457	EA	2" Caliper Acer saccharinum & cvs - Silver Maple.....	98.19
32 93 43 00-0458	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	130.93
32 93 43 00-0459	EA	3" Caliper Acer saccharinum & cvs - Silver Maple.....	163.66
32 93 43 00-0460	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	196.39
32 93 43 00-0461	EA	4" Caliper Acer saccharinum & cvs - Silver Maple.....	229.12
32 93 43 00-0462	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	261.85
32 93 43 00-0463	EA	5" Caliper Acer saccharinum & cvs - Silver Maple.....	294.58
32 93 43 00-0464	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	120.01
32 93 43 00-0465	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	158.20
32 93 43 00-0466	EA	3" Caliper Acer saccharum & cvs - Sugar Maple.....	190.93
32 93 43 00-0467	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	218.21
32 93 43 00-0468	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	256.40
32 93 43 00-0469	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	294.58
32 93 43 00-0470	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	327.31
32 93 43 00-0471	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple.....	218.21
32 93 43 00-0472	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple.....	256.40
32 93 43 00-0473	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple.....	300.04
32 93 43 00-0474	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple.....	332.77
32 93 43 00-0475	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple.....	403.69
32 93 43 00-0476	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple.....	436.42
32 93 43 00-0477	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	136.38
32 93 43 00-0478	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	169.11
32 93 43 00-0479	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	207.30
32 93 43 00-0480	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	240.03
32 93 43 00-0481	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	261.85
32 93 43 00-0482	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	289.13
32 93 43 00-0483	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	321.86
32 93 43 00-0484	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	196.39
32 93 43 00-0485	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	259.67
32 93 43 00-0486	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	302.22
32 93 43 00-0487	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	332.77
32 93 43 00-0488	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	403.69
32 93 43 00-0489	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	436.42
32 93 43 00-0490	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	190.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0491	EA	2-1/2"	Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	212.75	
32 93 43 00-0492	EA	3"	Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	240.03	
32 93 43 00-0493	EA	3-1/2"	Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	272.76	
32 93 43 00-0494	EA	4"	Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	327.31	
32 93 43 00-0495	EA	2"	Caliper Aesculus x carnea - Red Horsechestnut.....	190.93	
32 93 43 00-0496	EA	2-1/2"	Caliper Aesculus x carnea - Red Horsechestnut.....	212.75	
32 93 43 00-0497	EA	3"	Caliper Aesculus x carnea - Red Horsechestnut.....	240.03	
32 93 43 00-0498	EA	3-1/2"	Caliper Aesculus x carnea - Red Horsechestnut.....	272.76	
32 93 43 00-0499	EA	4"	Caliper Aesculus x carnea - Red Horsechestnut.....	327.31	
32 93 43 00-0500	EA	2"	Caliper Alnus glutinosa - Common Alder, Black Alder.....	136.38	
32 93 43 00-0501	EA	2-1/2"	Caliper Alnus glutinosa - Common Alder, Black Alder.....	158.20	
32 93 43 00-0502	EA	3"	Caliper Alnus glutinosa - Common Alder, Black Alder.....	180.02	
32 93 43 00-0503	EA	3-1/2"	Caliper Alnus glutinosa - Common Alder, Black Alder.....	207.30	
32 93 43 00-0504	EA	8'	Clump Form Alnus glutinosa - Common Alder, Black Alder.....	141.84	
32 93 43 00-0505	EA	10'	Clump Form Alnus glutinosa - Common Alder, Black Alder.....	174.57	
32 93 43 00-0506	EA	12'	Clump Form Alnus glutinosa - Common Alder, Black Alder.....	196.39	
32 93 43 00-0507	EA	14'	Clump Form Alnus glutinosa - Common Alder, Black Alder.....	218.21	
32 93 43 00-0508	EA	16'	Clump Form Alnus glutinosa - Common Alder, Black Alder.....	245.48	
32 93 43 00-0509	EA	18'	Clump Form Alnus glutinosa - Common Alder, Black Alder.....	272.76	
32 93 43 00-0510	EA	2"	Caliper Betula nigra - River Birch.....	136.38	
32 93 43 00-0511	EA	2-1/2"	Caliper Betula nigra - River Birch.....	154.44	
32 93 43 00-0512	EA	3"	Caliper Betula nigra - River Birch.....	174.57	
32 93 43 00-0513	EA	3-1/2"	Caliper Betula nigra - River Birch.....	218.21	
32 93 43 00-0514	EA	4"	Caliper Betula nigra - River Birch.....	245.48	
32 93 43 00-0515	EA	4-1/2"	Caliper Betula nigra - River Birch.....	272.76	
32 93 43 00-0516	EA	5"	Caliper Betula nigra - River Birch.....	300.04	
32 93 43 00-0517	EA	8'	Clump Form Betula nigra - River Birch.....	125.47	
32 93 43 00-0518	EA	10'	Clump Form Betula nigra - River Birch.....	141.84	
32 93 43 00-0519	EA	12'	Clump Form Betula nigra - River Birch.....	163.66	
32 93 43 00-0520	EA	14'	Clump Form Betula nigra - River Birch.....	190.93	
32 93 43 00-0521	EA	16'	Clump Form Betula nigra - River Birch.....	218.21	
32 93 43 00-0522	EA	12'	Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	163.66	
32 93 43 00-0523	EA	14'	Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	196.39	
32 93 43 00-0524	EA	16'	Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	229.12	
32 93 43 00-0525	EA	18'	Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	272.76	
32 93 43 00-0526	EA	20'	Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	283.67	
32 93 43 00-0527	EA	10' - 12'	Bursera Simaruba - Gumbo Limbo.....	69.01	
32 93 43 00-0528	EA	12' - 14'	Bursera Simaruba - Gumbo Limbo.....	81.56	
32 93 43 00-0529	EA	14' - 16'	Bursera Simaruba - Gumbo Limbo.....	112.92	
32 93 43 00-0530	EA	17' - 18'	Bursera Simaruba - Gumbo Limbo.....	146.80	
32 93 43 00-0531	EA	19' - 20'	Bursera Simaruba - Gumbo Limbo.....	163.11	
32 93 43 00-0532	EA	21' - 22'	Bursera Simaruba - Gumbo Limbo.....	193.22	
32 93 43 00-0533	EA	2"	Caliper Carpinus betulus & cvs - European Hornbeam.....	218.21	
32 93 43 00-0534	EA	2-1/2"	Caliper Carpinus betulus & cvs - European Hornbeam.....	245.48	
32 93 43 00-0535	EA	3"	Caliper Carpinus betulus & cvs - European Hornbeam.....	283.67	
32 93 43 00-0536	EA	3-1/2"	Caliper Carpinus betulus & cvs - European Hornbeam.....	343.68	
32 93 43 00-0537	EA	6'	Clump Form Carpinus betulus & cvs - European Hornbeam.....	98.19	
32 93 43 00-0538	EA	7'	Clump Form Carpinus betulus & cvs - European Hornbeam.....	136.38	
32 93 43 00-0539	EA	8'	Clump Form Carpinus betulus & cvs - European Hornbeam.....	169.11	
32 93 43 00-0540	EA	2"	Caliper Catalpa speciosa - Western Catalpa.....	120.01	
32 93 43 00-0541	EA	2-1/2"	Caliper Catalpa speciosa - Western Catalpa.....	163.66	
32 93 43 00-0542	EA	3"	Caliper Catalpa speciosa - Western Catalpa.....	212.75	
32 93 43 00-0543	EA	3-1/2"	Caliper Catalpa speciosa - Western Catalpa.....	256.40	
32 93 43 00-0544	EA	4"	Caliper Catalpa speciosa - Western Catalpa.....	294.58	
32 93 43 00-0545	EA	2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	152.75	
32 93 43 00-0546	EA	2-1/2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	174.57	
32 93 43 00-0547	EA	3"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	212.75	
32 93 43 00-0548	EA	3-1/2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	250.94	
32 93 43 00-0549	EA	4"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	289.13	
32 93 43 00-0550	EA	4-1/2"	Caliper Celtis occidentalis & cvs - Common Hackberry.....	327.31	
32 93 43 00-0551	EA	3"	Caliper Cercidiphyllum japonicum - Katsuratree.....	190.93	
32 93 43 00-0552	EA	3-1/2"	Caliper Cercidiphyllum japonicum - Katsuratree.....	218.21	
32 93 43 00-0553	EA	4"	Caliper Cercidiphyllum japonicum - Katsuratree.....	256.40	
32 93 43 00-0554	EA	5"	Caliper Cercidiphyllum japonicum - Katsuratree.....	305.49	
32 93 43 00-0555	EA	6'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	152.75	
32 93 43 00-0556	EA	7'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	180.02	
32 93 43 00-0557	EA	8'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	218.21	
32 93 43 00-0558	EA	10'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	272.76	
32 93 43 00-0559	EA	12'	Clump Form Cercidiphyllum japonicum - Katsuratree.....	327.31	
32 93 43 00-0560	EA	2"	Caliper Cladrastus lutea - American Yellowwood.....	272.76	
32 93 43 00-0561	EA	2-1/2"	Caliper Cladrastus lutea - American Yellowwood.....	327.31	
32 93 43 00-0562	EA	3"	Caliper Cladrastus lutea - American Yellowwood.....	381.87	
32 93 43 00-0563	EA	3-1/2"	Caliper Cladrastus lutea - American Yellowwood.....	436.42	
32 93 43 00-0564	EA	2"	Caliper Corylus colurna californica - Western Turkish Filbert.....	169.11	
32 93 43 00-0565	EA	2-1/2"	Caliper Corylus colurna californica - Western Turkish Filbert.....	190.93	
32 93 43 00-0566	EA	3"	Caliper Corylus colurna californica - Western Turkish Filbert.....	218.21	
32 93 43 00-0567	EA	3-1/2"	Caliper Corylus colurna californica - Western Turkish Filbert.....	250.94	
32 93 43 00-0568	EA	4"	Caliper Corylus colurna californica - Western Turkish Filbert.....	300.04	
32 93 43 00-0569	EA	4-1/2"	Caliper Corylus colurna californica - Western Turkish Filbert.....	349.13	
32 93 43 00-0570	EA	5"	Caliper Corylus colurna californica - Western Turkish Filbert.....	398.23	
32 93 43 00-0571	EA	8'	Clump Form Corylus cornuta californica - Western Filbert.....	152.75	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0572	EA	10'	Clump Form <i>Corylus cornuta californica</i> - Western Filbert.....	185.48	
32 93 43 00-0573	EA	12'	Clump Form <i>Corylus cornuta californica</i> - Western Filbert.....	218.21	
32 93 43 00-0574	EA	14'	Clump Form <i>Corylus columna californica</i> - Western Turkish Filbert	245.48	
32 93 43 00-0575	EA	16'	Clump Form <i>Corylus columna californica</i> - Western Turkish Filbert	272.76	
32 93 43 00-0576	EA	1-1/2"	Caliper <i>Diospyros</i> - Persimmon.....	98.19	
32 93 43 00-0577	EA	2"	Caliper <i>Diospyros</i> - Persimmon.....	120.01	
32 93 43 00-0578	EA	2-1/2"	Caliper <i>Diospyros</i> - Persimmon.....	152.75	
32 93 43 00-0579	EA	3"	Caliper <i>Diospyros</i> - Persimmon.....	190.93	
32 93 43 00-0580	EA	3-1/2"	Caliper <i>Diospyros</i> - Persimmon.....	229.12	
32 93 43 00-0581	EA	1-1/2"	Caliper <i>Fagus grandifolia</i> - American Beech	218.21	
32 93 43 00-0582	EA	2"	Caliper <i>Fagus grandifolia</i> - American Beech	283.67	
32 93 43 00-0583	EA	2-1/2"	Caliper <i>Fagus grandifolia</i> - American Beech	360.04	
32 93 43 00-0584	EA	3"	Caliper <i>Fagus grandifolia</i> - American Beech	436.42	
32 93 43 00-0585	EA	3-1/2"	Caliper <i>Fagus grandifolia</i> - American Beech	518.25	
32 93 43 00-0586	EA	2"	Caliper <i>Fagus sylvatica</i> & cvs - European Beech	245.48	
32 93 43 00-0587	EA	2-1/2"	Caliper <i>Fagus sylvatica</i> & cvs - European Beech	294.58	
32 93 43 00-0588	EA	3"	Caliper <i>Fagus sylvatica</i> & cvs - European Beech	354.59	
32 93 43 00-0589	EA	3-1/2"	Caliper <i>Fagus sylvatica</i> & cvs - European Beech	392.78	
32 93 43 00-0590	EA	4"	Caliper <i>Fagus sylvatica</i> & cvs - European Beech	463.69	
32 93 43 00-0591	EA	4-1/2"	Caliper <i>Fagus sylvatica</i> & cvs - European Beech	600.07	
32 93 43 00-0592	EA	5"	Caliper <i>Fagus sylvatica</i> & cvs - European Beech	709.18	
32 93 43 00-0593	EA	2"	Caliper <i>Fraxinus americana</i> & cvs - White Ash.....	136.38	
32 93 43 00-0594	EA	2-1/2"	Caliper <i>Fraxinus americana</i> & cvs - White Ash	163.66	
32 93 43 00-0595	EA	3"	Caliper <i>Fraxinus americana</i> & cvs - White Ash.....	207.30	
32 93 43 00-0596	EA	3-1/2"	Caliper <i>Fraxinus americana</i> & cvs - White Ash	250.94	
32 93 43 00-0597	EA	4"	Caliper <i>Fraxinus americana</i> & cvs - White Ash.....	294.58	
32 93 43 00-0598	EA	4-1/2"	Caliper <i>Fraxinus americana</i> & cvs - White Ash	327.31	
32 93 43 00-0599	EA	5"	Caliper <i>Fraxinus americana</i> & cvs - White Ash.....	381.87	
32 93 43 00-0600	EA	2"	Caliper <i>Fraxinus pennsylvanica</i> & cvs - Green Ash.....	120.01	
32 93 43 00-0601	EA	2-1/2"	Caliper <i>Fraxinus pennsylvanica</i> & cvs - Green Ash.....	141.84	
32 93 43 00-0602	EA	3"	Caliper <i>Fraxinus pennsylvanica</i> & cvs - Green Ash.....	190.93	
32 93 43 00-0603	EA	3-1/2"	Caliper <i>Fraxinus pennsylvanica</i> & cvs - Green Ash.....	229.12	
32 93 43 00-0604	EA	4"	Caliper <i>Fraxinus pennsylvanica</i> & cvs - Green Ash.....	272.76	
32 93 43 00-0605	EA	4-1/2"	Caliper <i>Fraxinus pennsylvanica</i> & cvs - Green Ash.....	294.58	
32 93 43 00-0606	EA	5"	Caliper <i>Fraxinus pennsylvanica</i> & cvs - Green Ash.....	327.31	
32 93 43 00-0607	EA	1-1/2"	Caliper <i>Fraxinus quadrangulata</i> - Blue Ash	163.66	
32 93 43 00-0608	EA	2"	Caliper <i>Fraxinus quadrangulata</i> - Blue Ash	201.84	
32 93 43 00-0609	EA	2-1/2"	Caliper <i>Fraxinus quadrangulata</i> - Blue Ash.....	245.48	
32 93 43 00-0610	EA	3"	Caliper <i>Fraxinus quadrangulata</i> - Blue Ash	300.04	
32 93 43 00-0611	EA	3-1/2"	Caliper <i>Fraxinus quadrangulata</i> - Blue Ash.....	354.59	
32 93 43 00-0612	EA	1-1/2"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	190.93	
32 93 43 00-0613	EA	2"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	212.75	
32 93 43 00-0614	EA	2-1/2"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	240.03	
32 93 43 00-0615	EA	3"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	267.31	
32 93 43 00-0616	EA	3-1/2"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	300.04	
32 93 43 00-0617	EA	4"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	327.31	
32 93 43 00-0618	EA	4-1/2"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	490.97	
32 93 43 00-0619	EA	5"	Caliper <i>Ginkgo biloba</i> & cvs - Ginkgo (Maidenhair Tree).....	545.52	
32 93 43 00-0620	EA	2"	Caliper <i>Gleditsia triacanthos inermis</i> & cvs - Thornless Common Honeylocust.....	130.93	
32 93 43 00-0621	EA	2-1/2"	Caliper <i>Gleditsia triacanthos inermis</i> & cvs - Thornless Common Honeylocust	163.66	
32 93 43 00-0622	EA	3"	Caliper <i>Gleditsia triacanthos inermis</i> & cvs - Thornless Common Honeylocust	196.39	
32 93 43 00-0623	EA	3-1/2"	Caliper <i>Gleditsia triacanthos inermis</i> & cvs - Thornless Common Honeylocust	229.12	
32 93 43 00-0624	EA	4"	Caliper <i>Gleditsia triacanthos inermis</i> & cvs - Thornless Common Honeylocust.....	261.85	
32 93 43 00-0625	EA	4-1/2"	Caliper <i>Gleditsia triacanthos inermis</i> & cvs - Thornless Common Honeylocust	294.58	
32 93 43 00-0626	EA	5"	Caliper <i>Gleditsia triacanthos inermis</i> & cvs - Thornless Common Honeylocust	349.13	
32 93 43 00-0627	EA	2"	Caliper <i>Gymnocladus dioicus</i> - Kentucky Coffeetree	169.11	
32 93 43 00-0628	EA	2-1/2"	Caliper <i>Gymnocladus dioicus</i> - Kentucky Coffeetree	207.30	
32 93 43 00-0629	EA	3"	Caliper <i>Gymnocladus dioicus</i> - Kentucky Coffeetree	245.48	
32 93 43 00-0630	EA	3-1/2"	Caliper <i>Gymnocladus dioicus</i> - Kentucky Coffeetree	289.13	
32 93 43 00-0631	EA	4"	Caliper <i>Gymnocladus dioicus</i> - Kentucky Coffeetree	327.31	
32 93 43 00-0632	EA	4-1/2"	Caliper <i>Gymnocladus dioicus</i> - Kentucky Coffeetree	365.50	
32 93 43 00-0633	EA	5"	Caliper <i>Gymnocladus dioicus</i> - Kentucky Coffeetree	409.14	
32 93 43 00-0634	EA	1-1/2"	Caliper <i>Juglans cinerea</i> - Butternut	130.93	
32 93 43 00-0635	EA	2"	Caliper <i>Juglans cinerea</i> - Butternut	152.75	
32 93 43 00-0636	EA	2-1/2"	Caliper <i>Juglans cinerea</i> - Butternut	190.93	
32 93 43 00-0637	EA	3"	Caliper <i>Juglans cinerea</i> - Butternut	240.03	
32 93 43 00-0638	EA	3-1/2"	Caliper <i>Juglans cinerea</i> - Butternut	294.58	
32 93 43 00-0639	EA	1-1/2"	Caliper <i>Juglans californica</i> - California Walnut	130.93	
32 93 43 00-0640	EA	2"	Caliper <i>Juglans californica</i> - California Walnut	152.75	
32 93 43 00-0641	EA	2-1/2"	Caliper <i>Juglans californica</i> - California Walnut	190.93	
32 93 43 00-0642	EA	3"	Caliper <i>Juglans californica</i> - California Walnut	240.03	
32 93 43 00-0643	EA	3-1/2"	Caliper <i>Juglans californica</i> - California Walnut	294.58	
32 93 43 00-0644	EA	4"	Caliper <i>Juglans californica</i> - California Walnut	354.59	
32 93 43 00-0645	EA	4-1/2"	Caliper <i>Juglans californica</i> - California Walnut	409.14	
32 93 43 00-0646	EA	5"	Caliper <i>Juglans californica</i> - California Walnut	463.69	
32 93 43 00-0647	EA	5 Gallon	<i>Koelreuteria Paniculata</i> - Goldenrain Tree	14.77	
32 93 43 00-0648	EA	15 Gallon	<i>Koelreuteria Paniculata</i> - Goldenrain Tree	36.92	
32 93 43 00-0649	EA	20 Gallon	<i>Koelreuteria Paniculata</i> - Goldenrain Tree	73.84	
32 93 43 00-0650	EA	55 Gallon	<i>Koelreuteria Paniculata</i> - Goldenrain Tree	96.00	
32 93 43 00-0651	EA	1-1/2" To 2"	Caliper <i>Koelreuteria Paniculata</i> - Goldenrain Tree.....	70.15	
32 93 43 00-0652	EA	2" To 2-1/2"	Caliper <i>Koelreuteria Paniculata</i> - Goldenrain Tree.....	84.92	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0653	EA		2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	118.15	
32 93 43 00-0654	EA		1-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	174.57	
32 93 43 00-0655	EA		2" Caliper Liquidambar styraciflua - American Sweetgum.....	218.21	
32 93 43 00-0656	EA		2-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	272.76	
32 93 43 00-0657	EA		3" Caliper Liquidambar styraciflua - American Sweetgum.....	327.31	
32 93 43 00-0658	EA		3-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	381.87	
32 93 43 00-0659	EA		1-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	174.57	
32 93 43 00-0660	EA		2" Caliper Liriodendron tulipifera - Tulip Tree.....	240.03	
32 93 43 00-0661	EA		2-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	283.67	
32 93 43 00-0662	EA		3" Caliper Liriodendron tulipifera - Tulip Tree.....	327.31	
32 93 43 00-0663	EA		3-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	370.95	
32 93 43 00-0664	EA		8' Clump Form Liriodendron tulipifera - Tulip Tree.....	130.93	
32 93 43 00-0665	EA		10' Clump Form Liriodendron tulipifera - Tulip Tree.....	234.57	
32 93 43 00-0666	EA		12' Clump Form Liriodendron tulipifera - Tulip Tree.....	283.67	
32 93 43 00-0667	EA		1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	174.57	
32 93 43 00-0668	EA		2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	218.21	
32 93 43 00-0669	EA		2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	272.76	
32 93 43 00-0670	EA		3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	327.31	
32 93 43 00-0671	EA		3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	381.87	
32 93 43 00-0672	EA		4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	76.37	
32 93 43 00-0673	EA		5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	87.28	
32 93 43 00-0674	EA		6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	103.65	
32 93 43 00-0675	EA		7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	130.93	
32 93 43 00-0676	EA		8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	163.66	
32 93 43 00-0677	EA		2" Caliper Ostrya virginiana - American Hophornbeam.....	141.84	
32 93 43 00-0678	EA		2-1/2" Caliper Ostrya virginiana - American Hophornbeam.....	180.02	
32 93 43 00-0679	EA		3" Caliper Ostrya virginiana - American Hophornbeam.....	218.21	
32 93 43 00-0680	EA		3-1/2" Caliper Ostrya virginiana - American Hophornbeam.....	256.40	
32 93 43 00-0681	EA		4" Caliper Ostrya virginiana - American Hophornbeam.....	310.95	
32 93 43 00-0682	EA		2" Caliper Phellodendron amurense - Amur Corktree.....	109.10	
32 93 43 00-0683	EA		2-1/2" Caliper Phellodendron amurense - Amur Corktree.....	136.38	
32 93 43 00-0684	EA		3" Caliper Phellodendron amurense - Amur Corktree.....	163.66	
32 93 43 00-0685	EA		3-1/2" Caliper Phellodendron amurense - Amur Corktree.....	190.93	
32 93 43 00-0686	EA		4" Caliper Phellodendron amurense - Amur Corktree.....	218.21	
32 93 43 00-0687	EA		4-1/2" Caliper Phellodendron amurense - Amur Corktree.....	245.48	
32 93 43 00-0688	EA		5" Caliper Phellodendron amurense - Amur Corktree.....	272.76	
32 93 43 00-0689	EA		30" Box Platanus Occidentalis - Buttonwood Sycamore.....	237.00	
32 93 43 00-0690	EA		36" Box Platanus Occidentalis - Buttonwood Sycamore.....	344.73	
32 93 43 00-0691	EA		42" Box Platanus occidentalis - Buttonwood Sycamore.....	512.81	
32 93 43 00-0692	EA		1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	79.30	
32 93 43 00-0693	EA		2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	94.81	
32 93 43 00-0694	EA		2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	129.27	
32 93 43 00-0695	EA		3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	156.88	
32 93 43 00-0696	EA		8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	65.24	
32 93 43 00-0697	EA		10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	81.56	
32 93 43 00-0698	EA		12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	144.29	
32 93 43 00-0699	EA		16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	207.03	
32 93 43 00-0700	EA		2" Caliper Platanus x acerifolia & cvs - London Planetree.....	130.93	
32 93 43 00-0701	EA		2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	158.20	
32 93 43 00-0702	EA		3" Caliper Platanus x acerifolia & cvs - London Planetree.....	190.93	
32 93 43 00-0703	EA		3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	229.12	
32 93 43 00-0704	EA		4" Caliper Platanus x acerifolia & cvs - London Planetree.....	272.76	
32 93 43 00-0705	EA		2" Caliper Populus alba & cvs - White Poplar.....	130.93	
32 93 43 00-0706	EA		2-1/2" Caliper Populus alba & cvs - White Poplar.....	152.75	
32 93 43 00-0707	EA		3" Caliper Populus alba & cvs - White Poplar.....	174.57	
32 93 43 00-0708	EA		3-1/2" Caliper Populus alba & cvs - White Poplar.....	207.30	
32 93 43 00-0709	EA		4" Caliper Populus alba & cvs - White Poplar.....	229.12	
32 93 43 00-0710	EA		4-1/2" Caliper Populus alba & cvs - White Poplar.....	261.85	
32 93 43 00-0711	EA		2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	120.01	
32 93 43 00-0712	EA		2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	158.20	
32 93 43 00-0713	EA		3" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	190.93	
32 93 43 00-0714	EA		3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	229.12	
32 93 43 00-0715	EA		4" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	272.76	
32 93 43 00-0716	EA		6' To 8' Quercus acutissima - Sawtooth Oak.....	41.02	
32 93 43 00-0717	EA		8' To 10' Quercus acutissima - Sawtooth Oak.....	61.54	
32 93 43 00-0718	EA		10' To 12' Quercus acutissima - Sawtooth Oak.....	71.79	
32 93 43 00-0719	EA		1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak.....	82.05	
32 93 43 00-0720	EA		2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak.....	92.31	
32 93 43 00-0721	EA		2" Caliper Quercus alba - White Oak.....	163.66	
32 93 43 00-0722	EA		2-1/2" Caliper Quercus alba - White Oak.....	190.93	
32 93 43 00-0723	EA		3" Caliper Quercus alba - White Oak.....	240.03	
32 93 43 00-0724	EA		3-1/2" Caliper Quercus alba - White Oak.....	300.04	
32 93 43 00-0725	EA		4" Caliper Quercus alba - White Oak.....	354.59	
32 93 43 00-0726	EA		4-1/2" Caliper Quercus alba - White Oak.....	436.42	
32 93 43 00-0727	EA		5" Caliper Quercus alba - White Oak.....	518.25	
32 93 43 00-0728	EA		2" Caliper Quercus bicolor - Swamp White Oak.....	190.93	
32 93 43 00-0729	EA		2-1/2" Caliper Quercus bicolor - Swamp White Oak.....	218.21	
32 93 43 00-0730	EA		3" Caliper Quercus bicolor - Swamp White Oak.....	250.94	
32 93 43 00-0731	EA		3-1/2" Caliper Quercus bicolor - Swamp White Oak.....	278.22	
32 93 43 00-0732	EA		4" Caliper Quercus bicolor - Swamp White Oak.....	316.40	
32 93 43 00-0733	EA		4-1/2" Caliper Quercus bicolor - Swamp White Oak.....	349.13	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0734	EA	5" Caliper Quercus bicolor - Swamp White Oak	392.78	
32 93 43 00-0735	EA	10' Clump Form Quercus bicolor - Swamp White Oak	272.76	
32 93 43 00-0736	EA	12' Clump Form Quercus bicolor - Swamp White Oak	327.31	
32 93 43 00-0737	EA	14' Clump Form Quercus bicolor - Swamp White Oak	381.87	
32 93 43 00-0738	EA	16' Clump Form Quercus bicolor - Swamp White Oak	436.42	
32 93 43 00-0739	EA	2" Caliper Quercus coccinea - Scarlet Oak	141.84	
32 93 43 00-0740	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	180.02	
32 93 43 00-0741	EA	3" Caliper Quercus coccinea - Scarlet Oak	223.66	
32 93 43 00-0742	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	272.76	
32 93 43 00-0743	EA	4" Caliper Quercus coccinea - Scarlet Oak	327.31	
32 93 43 00-0744	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	387.32	
32 93 43 00-0745	EA	5" Caliper Quercus coccinea - Scarlet Oak	452.78	
32 93 43 00-0746	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	141.84	
32 93 43 00-0747	EA	2" Caliper Quercus imbricaria - Shingle Oak	190.93	
32 93 43 00-0748	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	256.40	
32 93 43 00-0749	EA	3" Caliper Quercus imbricaria - Shingle Oak	381.87	
32 93 43 00-0750	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	518.25	
32 93 43 00-0751	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	141.84	
32 93 43 00-0752	EA	2" Caliper Quercus macrocarpa - Bur Oak	169.11	
32 93 43 00-0753	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	201.84	
32 93 43 00-0754	EA	3" Caliper Quercus macrocarpa - Bur Oak	245.48	
32 93 43 00-0755	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	300.04	
32 93 43 00-0756	EA	4" Caliper Quercus macrocarpa - Bur Oak	354.59	
32 93 43 00-0757	EA	9' Clump Form Quercus macrocarpa - Bur Oak	327.31	
32 93 43 00-0758	EA	10' Clump Form Quercus macrocarpa - Bur Oak	381.87	
32 93 43 00-0759	EA	12' Clump Form Quercus macrocarpa - Bur Oak	436.42	
32 93 43 00-0760	EA	2" Caliper Quercus palustris - Pin Oak	120.01	
32 93 43 00-0761	EA	2-1/2" Caliper Quercus palustris - Pin Oak	163.66	
32 93 43 00-0762	EA	3" Caliper Quercus palustris - Pin Oak	212.75	
32 93 43 00-0763	EA	3-1/2" Caliper Quercus palustris - Pin Oak	245.48	
32 93 43 00-0764	EA	4" Caliper Quercus palustris - Pin Oak	283.67	
32 93 43 00-0765	EA	4-1/2" Caliper Quercus palustris - Pin Oak	321.86	
32 93 43 00-0766	EA	5" Caliper Quercus palustris - Pin Oak	354.59	
32 93 43 00-0767	EA	2" Caliper Quercus robur & cvs - English Oak	141.84	
32 93 43 00-0768	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	174.57	
32 93 43 00-0769	EA	3" Caliper Quercus robur & cvs - English Oak	207.30	
32 93 43 00-0770	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	245.48	
32 93 43 00-0771	EA	4" Caliper Quercus robur & cvs - English Oak	283.67	
32 93 43 00-0772	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	327.31	
32 93 43 00-0773	EA	5" Caliper Quercus robur & cvs - English Oak	370.95	
32 93 43 00-0774	EA	2" Caliper Quercus rubra - Red Oak	163.66	
32 93 43 00-0775	EA	2-1/2" Caliper Quercus rubra - Red Oak	190.93	
32 93 43 00-0776	EA	3" Caliper Quercus rubra - Red Oak	229.12	
32 93 43 00-0777	EA	3-1/2" Caliper Quercus rubra - Red Oak	272.76	
32 93 43 00-0778	EA	4" Caliper Quercus rubra - Red Oak	327.31	
32 93 43 00-0779	EA	4-1/2" Caliper Quercus rubra - Red Oak	381.87	
32 93 43 00-0780	EA	5" Caliper Quercus rubra - Red Oak	436.42	
32 93 43 00-0781	EA	16' Clump Form Quercus rubra - Red Oak	354.59	
32 93 43 00-0782	EA	18' Clump Form Quercus rubra - Red Oak	425.51	
32 93 43 00-0783	EA	20' Clump Form Quercus rubra - Red Oak	474.60	
32 93 43 00-0784	EA	2" Caliper Quercus shumardii - Shumard Oak	185.48	
32 93 43 00-0785	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	234.57	
32 93 43 00-0786	EA	3" Caliper Quercus shumardii - Shumard Oak	272.76	
32 93 43 00-0787	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	327.31	
32 93 43 00-0788	EA	4" Caliper Quercus shumardii - Shumard Oak	381.87	
32 93 43 00-0789	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	436.42	
32 93 43 00-0790	EA	5" Caliper Quercus shumardii - Shumard Oak	490.97	
32 93 43 00-0791	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	324.92	
32 93 43 00-0792	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	437.89	
32 93 43 00-0793	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	592.22	
32 93 43 00-0794	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	790.46	
32 93 43 00-0795	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	953.57	
32 93 43 00-0796	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,053.95	
32 93 43 00-0797	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,417.81	
32 93 43 00-0798	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak	1,781.67	
32 93 43 00-0799	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,145.54	
32 93 43 00-0800	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,603.50	
32 93 43 00-0801	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,061.47	
32 93 43 00-0802	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	163.66	
32 93 43 00-0803	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	196.39	
32 93 43 00-0804	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	245.48	
32 93 43 00-0805	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	300.04	
32 93 43 00-0806	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	349.13	
32 93 43 00-0807	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	392.78	
32 93 43 00-0808	EA	2" Caliper Salix alba & cvs - White Willow	87.28	
32 93 43 00-0809	EA	2-1/2" Caliper Salix alba & cvs - White Willow	103.65	
32 93 43 00-0810	EA	3" Caliper Salix alba & cvs - White Willow	136.38	
32 93 43 00-0811	EA	3-1/2" Caliper Salix alba & cvs - White Willow	163.66	
32 93 43 00-0812	EA	4" Caliper Salix alba & cvs - White Willow	196.39	
32 93 43 00-0813	EA	4-1/2" Caliper Salix alba & cvs - White Willow	229.12	
32 93 43 00-0814	EA	5" Caliper Salix alba & cvs - White Willow	261.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0815	EA		24" Box Salix babylonica - Weeping Willow.....	137.89	
32 93 43 00-0816	EA		36" Box Salix babylonica - Weeping Willow.....	344.73	
32 93 43 00-0817	EA		1-1/2" To 2" Caliper Salix babylonica - Weeping Willow.....	79.30	
32 93 43 00-0818	EA		2" To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	94.81	
32 93 43 00-0819	EA		2-1/2" To 3" Caliper Salix babylonica - Weeping Willow.....	103.42	
32 93 43 00-0820	EA		5' Clump Form Sassafras albidum - Common Sassafras.....	103.65	
32 93 43 00-0821	EA		6' Clump Form Sassafras albidum - Common Sassafras.....	125.47	
32 93 43 00-0822	EA		7' Clump Form Sassafras albidum - Common Sassafras.....	158.20	
32 93 43 00-0823	EA		8' Clump Form Sassafras albidum - Common Sassafras.....	180.02	
32 93 43 00-0824	EA		10' Clump Form Sassafras albidum - Common Sassafras.....	201.84	
32 93 43 00-0825	EA		12' Clump Form Sassafras albidum - Common Sassafras.....	245.48	
32 93 43 00-0826	EA		14' Clump Form Sassafras albidum - Common Sassafras.....	300.04	
32 93 43 00-0827	EA		16' Clump Form Sassafras albidum - Common Sassafras.....	354.59	
32 93 43 00-0828	EA		1-3/4" Caliper Sophora japonica - Chinese Scholar.....	180.68	
32 93 43 00-0829	EA		2" Caliper Sophora japonica - Chinese Scholar.....	200.75	
32 93 43 00-0830	EA		2-1/2" Caliper Sophora japonica - Chinese Scholar.....	269.76	
32 93 43 00-0831	EA		3" Caliper Sophora japonica - Chinese Scholar.....	351.32	
32 93 43 00-0832	EA		3-1/2" Caliper Sophora japonica - Chinese Scholar.....	407.78	
32 93 43 00-0833	EA		10' To 12' Swietenia Mahagoni - Mahogany.....	96.61	
32 93 43 00-0834	EA		12' To 14' Swietenia Mahagoni - Mahogany.....	112.92	
32 93 43 00-0835	EA		14' To 16' Swietenia Mahagoni - Mahogany.....	150.56	
32 93 43 00-0836	EA		16' To 18' Swietenia Mahagoni - Mahogany.....	169.38	
32 93 43 00-0837	EA		2" Caliper Taxodium distichum - Common Bald Cypress.....	136.38	
32 93 43 00-0838	EA		2-1/2" Caliper Taxodium distichum - Common Bald Cypress.....	158.20	
32 93 43 00-0839	EA		3" Caliper Taxodium distichum - Common Bald Cypress.....	190.93	
32 93 43 00-0840	EA		3-1/2" Caliper Taxodium distichum - Common Bald Cypress.....	218.21	
32 93 43 00-0841	EA		4" Caliper Taxodium distichum - Common Bald Cypress.....	240.03	
32 93 43 00-0842	EA		6' Clump Form Taxodium distichum - Common Bald Cypress.....	120.01	
32 93 43 00-0843	EA		7' Clump Form Taxodium distichum - Common Bald Cypress.....	136.38	
32 93 43 00-0844	EA		8' Clump Form Taxodium distichum - Common Bald Cypress.....	196.39	
32 93 43 00-0845	EA		10' Clump Form Taxodium distichum - Common Bald Cypress.....	218.21	
32 93 43 00-0846	EA		12' Clump Form Taxodium distichum - Common Bald Cypress.....	245.48	
32 93 43 00-0847	EA		14' Clump Form Taxodium distichum - Common Bald Cypress.....	283.67	
32 93 43 00-0848	EA		16' Clump Form Taxodium distichum - Common Bald Cypress.....	327.31	
32 93 43 00-0849	EA		2' Thuja occidentalis - American Arborvitae.....	18.70	
32 93 43 00-0850	EA		2-1/2" Thuja occidentalis - American Arborvitae.....	20.20	
32 93 43 00-0851	EA		3' Thuja occidentalis - American Arborvitae.....	28.86	
32 93 43 00-0852	EA		4' Thuja occidentalis - American Arborvitae.....	39.65	
32 93 43 00-0853	EA		5' Thuja occidentalis - American Arborvitae.....	55.21	
32 93 43 00-0854	EA		6' Thuja occidentalis - American Arborvitae.....	76.54	
32 93 43 00-0855	EA		7' Thuja occidentalis - American Arborvitae.....	92.85	
32 93 43 00-0856	EA		8' Thuja occidentalis - American Arborvitae.....	130.49	
32 93 43 00-0857	EA		2" Caliper Tilia americana & cvs - American Linden Basswood.....	136.38	
32 93 43 00-0858	EA		2-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	158.20	
32 93 43 00-0859	EA		3" Caliper Tilia americana & cvs - American Linden Basswood.....	201.84	
32 93 43 00-0860	EA		3-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	234.57	
32 93 43 00-0861	EA		4" Caliper Tilia americana & cvs - American Linden Basswood.....	267.31	
32 93 43 00-0862	EA		4-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	300.04	
32 93 43 00-0863	EA		5" Caliper Tilia americana & cvs - American Linden Basswood.....	327.31	
32 93 43 00-0864	EA		10' Clump Form Tilia americana & cvs - American Linden Basswood.....	174.57	
32 93 43 00-0865	EA		12' Clump Form Tilia americana & cvs - American Linden Basswood.....	190.93	
32 93 43 00-0866	EA		14' Clump Form Tilia americana & cvs - American Linden Basswood.....	218.21	
32 93 43 00-0867	EA		16' Clump Form Tilia americana & cvs - American Linden Basswood.....	250.94	
32 93 43 00-0868	EA		2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	137.20	
32 93 43 00-0869	EA		2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	165.73	
32 93 43 00-0870	EA		3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	190.93	
32 93 43 00-0871	EA		3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	234.57	
32 93 43 00-0872	EA		4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	267.31	
32 93 43 00-0873	EA		4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	300.04	
32 93 43 00-0874	EA		5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	332.77	
32 93 43 00-0875	EA		2" Caliper Tilia tomentosa & cvs - Silver Linden.....	152.75	
32 93 43 00-0876	EA		2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	169.11	
32 93 43 00-0877	EA		3" Caliper Tilia tomentosa & cvs - Silver Linden.....	185.48	
32 93 43 00-0878	EA		3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	207.30	
32 93 43 00-0879	EA		4" Caliper Tilia tomentosa & cvs - Silver Linden.....	240.03	
32 93 43 00-0880	EA		4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	283.67	
32 93 43 00-0881	EA		5" Caliper Tilia tomentosa & cvs - Silver Linden.....	370.95	
32 93 43 00-0882	EA		2" Caliper Tilia x euchlora - Crimean Linden.....	152.75	
32 93 43 00-0883	EA		2-1/2" Caliper Tilia x euchlora - Crimean Linden.....	196.39	
32 93 43 00-0884	EA		3" Caliper Tilia x euchlora - Crimean Linden.....	240.03	
32 93 43 00-0885	EA		3-1/2" Caliper Tilia x euchlora - Crimean Linden.....	272.76	
32 93 43 00-0886	EA		4" Caliper Tilia x euchlora - Crimean Linden.....	305.49	
32 93 43 00-0887	EA		4-1/2" Caliper Tilia x euchlora - Crimean Linden.....	343.68	
32 93 43 00-0888	EA		5" Caliper Tilia x euchlora - Crimean Linden.....	370.95	
32 93 43 00-0889	EA		2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	152.75	
32 93 43 00-0890	EA		2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	174.57	
32 93 43 00-0891	EA		3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	190.93	
32 93 43 00-0892	EA		3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	207.30	
32 93 43 00-0893	EA		4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	229.12	
32 93 43 00-0894	EA		4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	272.76	
32 93 43 00-0895	EA		5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	321.86	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0896	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	174.57	
32 93 43 00-0897	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	190.93	
32 93 43 00-0898	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	207.30	
32 93 43 00-0899	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	229.12	
32 93 43 00-0900	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	272.76	
32 93 43 00-0901	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	321.86	
32 93 43 00-0902	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	370.95	
32 93 43 00-0903	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	174.57	
32 93 43 00-0904	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	190.93	
32 93 43 00-0905	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	207.30	
32 93 43 00-0906	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	229.12	
32 93 43 00-0907	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	272.76	
32 93 43 00-0908	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	321.86	
32 93 43 00-0909	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	370.95	
32 93 43 00-0910	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	84.43	
32 93 43 00-0911	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	103.42	
32 93 43 00-0912	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree	131.03	
32 93 43 00-0913	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	408.52	
32 93 43 00-0914	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	729.19	
32 93 43 00-0915	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,067.43	
32 93 43 00-0916	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,326.60	
32 93 43 00-0917	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,717.55	
32 93 43 00-0918	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,954.75	
32 93 43 00-0919	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	513.95	
32 93 43 00-0920	EA	1-1/2" Caliper Quercus suber - Cork Oak	614.98	
32 93 43 00-0921	EA	2" Caliper Quercus suber - Cork Oak	852.18	
32 93 43 00-0922	EA	2-1/2" Caliper Quercus suber - Cork Oak	1,089.39	
32 93 43 00-0923	EA	3" Caliper Quercus suber - Cork Oak	1,361.74	
32 93 43 00-0924	EA	3-1/2" Caliper Quercus suber - Cork Oak	2,042.61	
32 93 43 00-0925	EA	4" Caliper Quercus suber - Cork Oak	2,635.62	
32 93 43 00-0926	EA	4-1/2" Caliper Quercus suber - Cork Oak	3,426.31	
32 93 43 00-0927	EA	1-1/2" Caliper Quercus ilex - Holly Oak	680.87	
32 93 43 00-0928	EA	2" Caliper Quercus ilex - Holly Oak	918.07	
32 93 43 00-0929	EA	2-1/2" Caliper Quercus ilex - Holly Oak	1,124.53	
32 93 43 00-0930	EA	3" Caliper Quercus ilex - Holly Oak	1,361.74	
32 93 43 00-0931	EA	3-1/2" Caliper Quercus ilex - Holly Oak	2,042.61	
32 93 43 00-0932	EA	4" Caliper Quercus ilex - Holly Oak	2,635.62	

32 93 43 00-0933**Evergreen Trees ^(32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0934	EA	6' Abies balsamea - Balsam Fir	133.40	
32 93 43 00-0935	EA	7' Abies balsamea - Balsam Fir	166.75	
32 93 43 00-0936	EA	8' Abies balsamea - Balsam Fir	200.10	
32 93 43 00-0937	EA	9' Abies balsamea - Balsam Fir	266.80	
32 93 43 00-0938	EA	10' Abies balsamea - Balsam Fir	333.50	
32 93 43 00-0939	EA	12' Abies balsamea - Balsam Fir	400.20	
32 93 43 00-0940	EA	6' Abies concolor - White Fir	193.43	
32 93 43 00-0941	EA	7' Abies concolor - White Fir	220.11	
32 93 43 00-0942	EA	8' Abies concolor - White Fir	260.13	
32 93 43 00-0943	EA	9' Abies concolor - White Fir	300.15	
32 93 43 00-0944	EA	10' Abies concolor - White Fir	353.51	
32 93 43 00-0945	EA	12' Abies concolor - White Fir	433.55	
32 93 43 00-0946	EA	14' Abies concolor - White Fir	533.60	
32 93 43 00-0947	EA	16' Abies concolor - White Fir	600.30	
32 93 43 00-0948	EA	6' Abies fraseri - Frasier Fir	133.40	
32 93 43 00-0949	EA	7' Abies fraseri - Frasier Fir	166.75	
32 93 43 00-0950	EA	8' Abies fraseri - Frasier Fir	200.10	
32 93 43 00-0951	EA	9' Abies fraseri - Frasier Fir	266.80	
32 93 43 00-0952	EA	10' Abies fraseri - Frasier Fir	333.50	
32 93 43 00-0953	EA	12' Abies fraseri - Frasier Fir	400.20	
32 93 43 00-0954	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	24.03	
32 93 43 00-0955	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	38.62	
32 93 43 00-0956	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	57.38	
32 93 43 00-0957	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	77.20	
32 93 43 00-0958	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	109.60	
32 93 43 00-0959	EA	6' To 8' Cedrus deodara - Indian Cedar	99.17	
32 93 43 00-0960	EA	8' To 10' Cedrus deodara - Indian Cedar	114.82	
32 93 43 00-0961	EA	10' To 12' Cedrus deodara - Indian Cedar	156.55	
32 93 43 00-0962	EA	12' To 14' Cedrus deodara - Indian Cedar	203.50	
32 93 43 00-0963	EA	14' To 16' Cedrus deodara - Indian Cedar	260.93	
32 93 43 00-0964	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	31.00	
32 93 43 00-0965	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	46.50	
32 93 43 00-0966	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	72.33	
32 93 43 00-0967	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	124.00	
32 93 43 00-0968	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	37.57	
32 93 43 00-0969	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	58.49	
32 93 43 00-0970	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	73.03	
32 93 43 00-0971	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	104.38	
32 93 43 00-0972	EA	1 Gallon Cleypora japonica - Japanese Cleypora	4.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0973	EA	3	Gallon Cleyera japonica - Japanese Cleyera.....	10.61	
32 93 43 00-0974	EA	7	Gallon Cleyera japonica - Japanese Cleyera.....	30.38	
32 93 43 00-0975	EA	5	Gallon Cupressocyparis leylandii - Leyland Cypress.....	17.05	
32 93 43 00-0976	EA	15	Gallon Cupressocyparis leylandii - Leyland Cypress.....	68.22	
32 93 43 00-0977	EA	4' To 5'	Cupressocyparis leylandii - Leyland Cypress.....	29.85	
32 93 43 00-0978	EA	5' To 6'	Cupressocyparis leylandii - Leyland Cypress.....	38.37	
32 93 43 00-0979	EA	6' To 7'	Cupressocyparis leylandii - Leyland Cypress.....	59.69	
32 93 43 00-0980	EA	24"	Box Cupressocyparis leylandii - Leyland Cypress.....	144.96	
32 93 43 00-0981	EA	1	Gallon Cupressus macrocarpa - Monterey Cypress.....	3.11	
32 93 43 00-0982	EA	5	Gallon Cupressus macrocarpa - Monterey Cypress.....	14.00	
32 93 43 00-0983	EA	15	Gallon Cupressus macrocarpa - Monterey Cypress.....	46.65	
32 93 43 00-0984	EA	5	Gallon Cupressus sempervirens - Italian Cypress.....	16.05	
32 93 43 00-0985	EA	15	Gallon Cupressus sempervirens - Italian Cypress.....	44.14	
32 93 43 00-0986	EA	1	Gallon Illicium anisatum - Anise Tree.....	4.59	
32 93 43 00-0987	EA	3	Gallon Illicium anisatum - Anise Tree.....	10.61	
32 93 43 00-0988	EA	1	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	4.72	
32 93 43 00-0989	EA	2	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	9.23	
32 93 43 00-0990	EA	3	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	11.44	
32 93 43 00-0991	EA	5	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	13.44	
32 93 43 00-0992	EA	1	Gallon Juniperus - Blue Sargent Juniper.....	4.72	
32 93 43 00-0993	EA	2	Gallon Juniperus - Blue Sargent Juniper.....	9.23	
32 93 43 00-0994	EA	3	Gallon Juniperus - Blue Sargent Juniper.....	11.44	
32 93 43 00-0995	EA	5	Gallon Juniperus - Blue Sargent Juniper.....	13.44	
32 93 43 00-0996	EA	5	Gallon Juniperus - Compact Pfitzer Juniper.....	13.44	
32 93 43 00-0997	EA	15"	To 18" Juniperus - Compact Pfitzer Juniper.....	14.55	
32 93 43 00-0998	EA	18"	To 24" Juniperus - Compact Pfitzer Juniper.....	17.56	
32 93 43 00-0999	EA	2' To 2 1/2'	Juniperus - Compact Pfitzer Juniper.....	26.08	
32 93 43 00-1000	EA	2-1/2' To 3'	Juniperus - Compact Pfitzer Juniper.....	30.20	
32 93 43 00-1001	EA	5' To 6'	Juniperus - Fairview Juniper.....	44.98	
32 93 43 00-1002	EA	1	Gallon Juniperus - Hollywood Juniper.....	6.02	
32 93 43 00-1003	EA	5	Gallon Juniperus - Hollywood Juniper.....	16.75	
32 93 43 00-1004	EA	15	Gallon Juniperus - Hollywood Juniper.....	71.03	
32 93 43 00-1005	EA	4' To 5'	Juniperus - Hollywood Juniper.....	46.95	
32 93 43 00-1006	EA	5' To 6'	Juniperus - Hollywood Juniper.....	60.49	
32 93 43 00-1007	EA	1	Gallon Juniperus - Parson's Juniper.....	4.72	
32 93 43 00-1008	EA	2	Gallon Juniperus - Parson's Juniper.....	9.33	
32 93 43 00-1009	EA	3	Gallon Juniperus - Parson's Juniper.....	11.54	
32 93 43 00-1010	EA	5	Gallon Juniperus - Parson's Juniper.....	13.64	
32 93 43 00-1011	EA	5	Gallon Juniperus - Skyrocket Juniper.....	16.85	
32 93 43 00-1012	EA	15	Gallon Juniperus - Skyrocket Juniper.....	71.73	
32 93 43 00-1013	EA	2' To 3'	Juniperus - Skyrocket Juniper.....	25.28	
32 93 43 00-1014	EA	3' To 4'	Juniperus - Skyrocket Juniper.....	35.81	
32 93 43 00-1015	EA	4' To 5'	Juniperus - Skyrocket Juniper.....	47.45	
32 93 43 00-1016	EA	5' To 6'	Juniperus - Skyrocket Juniper.....	61.20	
32 93 43 00-1017	EA	6' To 8'	Juniperus - Skyrocket Juniper.....	79.05	
32 93 43 00-1018	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	4.72	
32 93 43 00-1019	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	9.28	
32 93 43 00-1020	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	11.39	
32 93 43 00-1021	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	13.49	
32 93 43 00-1022	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	4.72	
32 93 43 00-1023	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	9.28	
32 93 43 00-1024	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	11.39	
32 93 43 00-1025	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	13.49	
32 93 43 00-1026	EA	2' To 3'	Juniperus virginiana - Eastern Red Cedar.....	25.28	
32 93 43 00-1027	EA	3' To 4'	Juniperus virginiana - Eastern Red Cedar.....	35.81	
32 93 43 00-1028	EA	4' To 5'	Juniperus virginiana - Eastern Red Cedar.....	47.45	
32 93 43 00-1029	EA	5' To 6'	Juniperus virginiana - Eastern Red Cedar.....	61.20	
32 93 43 00-1030	EA	5'	Picea abies & cvs - Norway Spruce.....	146.74	
32 93 43 00-1031	EA	6'	Picea abies & cvs - Norway Spruce.....	166.75	
32 93 43 00-1032	EA	7'	Picea abies & cvs - Norway Spruce.....	200.10	
32 93 43 00-1033	EA	8'	Picea abies & cvs - Norway Spruce.....	233.45	
32 93 43 00-1034	EA	9'	Picea abies & cvs - Norway Spruce.....	313.49	
32 93 43 00-1035	EA	10'	Picea abies & cvs - Norway Spruce.....	380.19	
32 93 43 00-1036	EA	12'	Picea abies & cvs - Norway Spruce.....	466.90	
32 93 43 00-1037	EA	14'	Picea abies & cvs - Norway Spruce.....	566.95	
32 93 43 00-1038	EA	6'	Picea glauca - White Spruce.....	140.07	
32 93 43 00-1039	EA	7'	Picea glauca - White Spruce.....	200.10	
32 93 43 00-1040	EA	8'	Picea glauca - White Spruce.....	233.45	
32 93 43 00-1041	EA	9'	Picea glauca - White Spruce.....	280.14	
32 93 43 00-1042	EA	10'	Picea glauca - White Spruce.....	333.50	
32 93 43 00-1043	EA	12'	Picea glauca - White Spruce.....	400.20	
32 93 43 00-1044	EA	4'	Picea glauca densata - Black Hills Spruce.....	80.04	
32 93 43 00-1045	EA	5'	Picea glauca densata - Black Hills Spruce.....	120.06	
32 93 43 00-1046	EA	6'	Picea glauca densata - Black Hills Spruce.....	180.09	
32 93 43 00-1047	EA	7'	Picea glauca densata - Black Hills Spruce.....	213.44	
32 93 43 00-1048	EA	8'	Picea glauca densata - Black Hills Spruce.....	246.79	
32 93 43 00-1049	EA	9'	Picea glauca densata - Black Hills Spruce.....	273.47	
32 93 43 00-1050	EA	10'	Picea glauca densata - Black Hills Spruce.....	300.15	
32 93 43 00-1051	EA	6'	Picea omorika & cvs - Serbian Spruce.....	180.09	
32 93 43 00-1052	EA	7'	Picea omorika & cvs - Serbian Spruce.....	200.10	
32 93 43 00-1053	EA	8'	Picea omorika & cvs - Serbian Spruce.....	240.12	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-1054	EA	9' Picea omorika & cvs - Serbian Spruce	280.14	
32 93 43 00-1055	EA	10' Picea omorika & cvs - Serbian Spruce	320.16	
32 93 43 00-1056	EA	5' Picea pungens - Colorado Green Spruce	146.74	
32 93 43 00-1057	EA	6' Picea pungens - Colorado Green Spruce	186.76	
32 93 43 00-1058	EA	7' Picea pungens - Colorado Green Spruce	220.11	
32 93 43 00-1059	EA	8' Picea pungens - Colorado Green Spruce	253.46	
32 93 43 00-1060	EA	9' Picea pungens - Colorado Green Spruce	293.48	
32 93 43 00-1061	EA	10' Picea pungens - Colorado Green Spruce	553.61	
32 93 43 00-1062	EA	12' Picea pungens - Colorado Green Spruce	400.20	
32 93 43 00-1063	EA	14' Picea pungens - Colorado Green Spruce	466.90	
32 93 43 00-1064	EA	16' Picea pungens - Colorado Green Spruce	600.30	
32 93 43 00-1065	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	146.74	
32 93 43 00-1066	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	200.10	
32 93 43 00-1067	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	233.45	
32 93 43 00-1068	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	266.80	
32 93 43 00-1069	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	300.15	
32 93 43 00-1070	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	366.85	
32 93 43 00-1071	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	466.90	
32 93 43 00-1072	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	700.35	
32 93 43 00-1073	EA	4' Pinus cembra - Swiss Stone Pine	113.39	
32 93 43 00-1074	EA	5' Pinus cembra - Swiss Stone Pine	140.07	
32 93 43 00-1075	EA	6' Pinus cembra - Swiss Stone Pine	173.42	
32 93 43 00-1076	EA	6' Pinus flexilis & cvs - Limber Pine	166.75	
32 93 43 00-1077	EA	7' Pinus flexilis & cvs - Limber Pine	193.43	
32 93 43 00-1078	EA	8' Pinus flexilis & cvs - Limber Pine	240.12	
32 93 43 00-1079	EA	9' Pinus flexilis & cvs - Limber Pine	293.48	
32 93 43 00-1080	EA	10' Pinus flexilis & cvs - Limber Pine	333.50	
32 93 43 00-1081	EA	2 Gallon Pinus mugo - Mugho Pine	13.14	
32 93 43 00-1082	EA	3 Gallon Pinus mugo - Mugho Pine	16.45	
32 93 43 00-1083	EA	5 Gallon Pinus mugo - Mugho Pine	20.87	
32 93 43 00-1084	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.15	
32 93 43 00-1085	EA	15" To 18" Spread Pinus mugo - Mugho Pine	19.26	
32 93 43 00-1086	EA	18" To 24" Spread Pinus mugo - Mugho Pine	26.08	
32 93 43 00-1087	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	36.52	
32 93 43 00-1088	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	46.95	
32 93 43 00-1089	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	58.49	
32 93 43 00-1090	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	71.03	
32 93 43 00-1091	EA	6' Pinus nigra - Austrian Pine	166.75	
32 93 43 00-1092	EA	7' Pinus nigra - Austrian Pine	200.10	
32 93 43 00-1093	EA	8' Pinus nigra - Austrian Pine	260.13	
32 93 43 00-1094	EA	9' Pinus nigra - Austrian Pine	300.15	
32 93 43 00-1095	EA	10' Pinus nigra - Austrian Pine	353.51	
32 93 43 00-1096	EA	12' Pinus nigra - Austrian Pine	400.20	
32 93 43 00-1097	EA	14' Pinus nigra - Austrian Pine	446.89	
32 93 43 00-1098	EA	16' Pinus nigra - Austrian Pine	506.92	
32 93 43 00-1099	EA	5' Pinus peuce - Macedonian Pine	206.77	
32 93 43 00-1100	EA	6' Pinus peuce - Macedonian Pine	260.13	
32 93 43 00-1101	EA	7' Pinus peuce - Macedonian Pine	300.15	
32 93 43 00-1102	EA	8' Pinus peuce - Macedonian Pine	340.17	
32 93 43 00-1103	EA	9' Pinus peuce - Macedonian Pine	393.53	
32 93 43 00-1104	EA	2' Pinus strobus - Pyramidal White Pine	18.47	
32 93 43 00-1105	EA	3' Pinus strobus - Pyramidal White Pine	24.68	
32 93 43 00-1106	EA	4' Pinus strobus - Pyramidal White Pine	27.23	
32 93 43 00-1107	EA	5' Pinus strobus - Pyramidal White Pine	29.78	
32 93 43 00-1108	EA	6' Pinus strobus - Pyramidal White Pine	37.10	
32 93 43 00-1109	EA	7' Pinus strobus - Pyramidal White Pine	49.36	
32 93 43 00-1110	EA	8' Pinus strobus - Pyramidal White Pine	67.84	
32 93 43 00-1111	EA	10' Pinus strobus - Pyramidal White Pine	135.35	
32 93 43 00-1112	EA	12' Pinus strobus - Pyramidal White Pine	321.66	
32 93 43 00-1113	EA	14' Pinus strobus - Pyramidal White Pine	431.54	
32 93 43 00-1114	EA	16' Pinus strobus - Pyramidal White Pine	519.12	
32 93 43 00-1115	EA	2' Pinus strobus - White Pine	28.38	
32 93 43 00-1116	EA	3' Pinus strobus - White Pine	40.50	
32 93 43 00-1117	EA	4' Pinus strobus - White Pine	64.59	
32 93 43 00-1118	EA	5' Pinus strobus - White Pine	92.05	
32 93 43 00-1119	EA	6' Pinus strobus - White Pine	135.00	
32 93 43 00-1120	EA	7' Pinus strobus - White Pine	161.08	
32 93 43 00-1121	EA	8' Pinus strobus - White Pine	217.84	
32 93 43 00-1122	EA	10' Pinus strobus - White Pine	293.01	
32 93 43 00-1123	EA	12' Pinus strobus - White Pine	388.13	
32 93 43 00-1124	EA	14' Pinus strobus - White Pine	475.57	
32 93 43 00-1125	EA	16' Pinus strobus - White Pine	578.36	
32 93 43 00-1126	EA	3' Pinus sylvestris - Scotch Pine	43.82	
32 93 43 00-1127	EA	4' Pinus sylvestris - Scotch Pine	60.83	
32 93 43 00-1128	EA	5' Pinus sylvestris - Scotch Pine	85.38	
32 93 43 00-1129	EA	6' Pinus sylvestris - Scotch Pine	118.46	
32 93 43 00-1130	EA	7' Pinus sylvestris - Scotch Pine	145.14	
32 93 43 00-1131	EA	8' Pinus sylvestris - Scotch Pine	204.90	
32 93 43 00-1132	EA	9' Pinus sylvestris - Scotch Pine	260.13	
32 93 43 00-1133	EA	10' Pinus sylvestris - Scotch Pine	300.15	
32 93 43 00-1134	EA	12' Pinus sylvestris - Scotch Pine	353.51	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-1135	EA	14' Pinus sylvestris - Scotch Pine		400.20	
32 93 43 00-1136	EA	16' Pinus sylvestris - Scotch Pine		466.90	
32 93 43 00-1137	EA	5' To 6' Pinus taeda - Loblolly Pine		19.07	
32 93 43 00-1138	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine		4.72	
32 93 43 00-1139	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine		16.75	
32 93 43 00-1140	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine		54.27	
32 93 43 00-1141	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine		22.97	
32 93 43 00-1142	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine		29.19	
32 93 43 00-1143	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine		43.84	
32 93 43 00-1144	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine		85.57	
32 93 43 00-1145	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine		96.01	
32 93 43 00-1146	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine		119.98	
32 93 43 00-1147	EA	1 Gallon Pinus mugo - Mugho Pine		6.22	
32 93 43 00-1148	EA	1 Gallon Podocarpus - Chinese Podocarpus		3.11	
32 93 43 00-1149	EA	3 Gallon Podocarpus - Chinese Podocarpus		7.22	
32 93 43 00-1150	EA	7 Gallon Podocarpus - Chinese Podocarpus		20.87	
32 93 43 00-1151	EA	15 Gallon Podocarpus - Chinese Podocarpus		33.91	
32 93 43 00-1152	EA	4' To 5' Podocarpus - Chinese Podocarpus		52.17	
32 93 43 00-1153	EA	5' Pseudotsuga menziesii - Douglas Fir		133.40	
32 93 43 00-1154	EA	6' Pseudotsuga menziesii - Douglas Fir		160.08	
32 93 43 00-1155	EA	7' Pseudotsuga menziesii - Douglas Fir		200.10	
32 93 43 00-1156	EA	8' Pseudotsuga menziesii - Douglas Fir		240.12	
32 93 43 00-1157	EA	9' Pseudotsuga menziesii - Douglas Fir		300.15	
32 93 43 00-1158	EA	10' Pseudotsuga menziesii - Douglas Fir		353.51	
32 93 43 00-1159	EA	12' Pseudotsuga menziesii - Douglas Fir		400.20	
32 93 43 00-1160	EA	5' To 6' Sequoia sempervirens - Dawn Redwood		65.21	
32 93 43 00-1161	EA	6' To 8' Sequoia sempervirens - Dawn Redwood		88.03	
32 93 43 00-1162	EA	8' To 10' Sequoia sempervirens - Dawn Redwood		107.60	
32 93 43 00-1163	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress		46.35	
32 93 43 00-1164	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress		57.94	
32 93 43 00-1165	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress		71.63	
32 93 43 00-1166	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress		90.64	
32 93 43 00-1167	EA	6' Tsuga canadensis - Northern Hemlock		133.40	
32 93 43 00-1168	EA	7' Tsuga canadensis - Northern Hemlock		166.75	
32 93 43 00-1169	EA	8' Tsuga canadensis - Northern Hemlock		226.78	
32 93 43 00-1170	EA	9' Tsuga canadensis - Northern Hemlock		266.80	
32 93 43 00-1171	EA	10' Tsuga canadensis - Northern Hemlock		300.15	
32 93 43 00-1172	EA	12' Tsuga canadensis - Northern Hemlock		333.50	
32 93 43 00-1173	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae		12.57	
32 93 43 00-1174	EA	3' To 4' Thuja occidentalis 'Woodwadril' - Woodward Arborvitae		23.54	
32 93 43 00-1175	EA	6' Cedrus decurrens - Incese Cedar		111.99	
32 93 43 00-1176	EA	8' Cedrus decurrens - Incese Cedar		231.65	
32 93 43 00-1177	EA	10' Cedrus decurrens - Incese Cedar		306.82	
32 93 43 00-1178	EA	12' Cedrus decurrens - Incese Cedar		406.54	
32 93 43 00-1179	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark		322.16	
32 93 43 00-1180	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark		429.55	
32 93 43 00-1181	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark		536.94	
32 93 43 00-1182	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark		644.32	
32 93 43 00-1183	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark		319.09	
32 93 43 00-1184	EA	6' Melaleuca quinquenervia - Cajeput Tree		322.16	
32 93 43 00-1185	EA	8' Melaleuca quinquenervia - Cajeput Tree		429.55	
32 93 43 00-1186	EA	10' Melaleuca quinquenervia - Cajeput Tree		536.94	
32 93 43 00-1187	EA	12' Melaleuca quinquenervia - Cajeput Tree		644.32	
32 93 43 00-1188	EA	24" Box Melaleuca quinquenervia - Cajeput Tree		179.49	
32 93 43 00-1189	EA	30" Box Melaleuca quinquenervia - Cajeput Tree		452.56	
32 93 43 00-1190	EA	36" Box Melaleuca quinquenervia - Cajeput Tree		713.36	
32 93 43 00-1191	EA	4' Metrosideros excelsus - New Zealand Christmas Tree		95.11	
32 93 43 00-1192	EA	5' Metrosideros excelsus - New Zealand Christmas Tree		128.86	
32 93 43 00-1193	EA	6' Metrosideros excelsus - New Zealand Christmas Tree		219.38	
32 93 43 00-1194	EA	8' Metrosideros excelsus - New Zealand Christmas Tree		271.54	
32 93 43 00-1195	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree		180.68	
32 93 43 00-1196	EA	6' Pinus canariensis - Canary Island Pine		368.18	
32 93 43 00-1197	EA	8' Pinus canariensis - Canary Island Pine		490.91	
32 93 43 00-1198	EA	10' Pinus canariensis - Canary Island Pine		613.64	
32 93 43 00-1199	EA	12' Pinus canariensis - Canary Island Pine		736.37	
32 93 43 00-1200	EA	24" Box Pinus canariensis - Canary Island Pine		378.92	
32 93 43 00-1201	EA	6' Pinus pinea - Italian Stone Pine		368.18	
32 93 43 00-1202	EA	8' Pinus pinea - Italian Stone Pine		490.91	
32 93 43 00-1203	EA	10' Pinus pinea - Italian Stone Pine		613.64	
32 93 43 00-1204	EA	12' Pinus pinea - Italian Stone Pine		736.37	
32 93 43 00-1205	EA	6' Pittosporum undulatum - Victorian Box		202.50	
32 93 43 00-1206	EA	8' Pittosporum undulatum - Victorian Box		320.63	
32 93 43 00-1207	EA	10' Pittosporum undulatum - Victorian Box		421.88	
32 93 43 00-1208	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine		383.52	
32 93 43 00-1209	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine		506.25	
32 93 43 00-1210	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine		644.32	
32 93 43 00-1211	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine		767.05	
32 93 43 00-1212	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine		179.49	
32 93 43 00-1213	EA	1 Gallon Podocarpus macrophyllus - Yew Pine		7.13	
32 93 43 00-1214	EA	3 Gallon Podocarpus macrophyllus - Yew Pine		16.72	
32 93 43 00-1215	EA	5 Gallon Podocarpus macrophyllus - Yew Pine		21.94	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 93 43 00-1216	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	95.11	
	32 93 43 00-1217	EA	24" Box Podocarpus macrophyllus - Yew Pine	184.09	
	32 93 43 00-1218	EA	24" Box Rhus lancea - African Sumac	189.46	
	32 93 43 00-1219	EA	30" Box Rhus lancea - African Sumac	306.82	
	32 93 43 00-1220	EA	8' Rhus lancea - African Sumac	460.23	
	32 93 43 00-1221	EA	10' Rhus lancea - African Sumac	513.92	
	32 93 43 00-1222	EA	12' Rhus lancea - African Sumac	613.64	
	32 93 43 00-1223		Palm And Subtropical Trees <small>(32 93 43)</small>		
			Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
	32 93 43 00-1224	EA	4' To 5' Acacia baileyana - Bailey Acacia	250.94	
	32 93 43 00-1225	EA	6' Acacia baileyana - Bailey Acacia	301.13	
	32 93 43 00-1226	EA	8' Acacia baileyana - Bailey Acacia	351.32	
	32 93 43 00-1227	EA	10' Acacia baileyana - Bailey Acacia	439.14	
	32 93 43 00-1228	EA	6' Agonis flexuosa - Peppermint Tree	150.56	
	32 93 43 00-1229	EA	8' Agonis flexuosa - Peppermint Tree	188.20	
	32 93 43 00-1230	EA	10' Agonis flexuosa - Peppermint Tree	225.85	
	32 93 43 00-1231	EA	24" Box Agonis flexuosa - Peppermint Tree	187.58	
	32 93 43 00-1232	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	102.64	
	32 93 43 00-1233	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	159.66	
	32 93 43 00-1234	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	205.28	
	32 93 43 00-1235	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	273.70	
	32 93 43 00-1236	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	77.76	
	32 93 43 00-1237	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	108.86	
	32 93 43 00-1238	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	139.96	
	32 93 43 00-1239	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	171.06	
	32 93 43 00-1240	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	207.35	
	32 93 43 00-1241	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	259.19	
	32 93 43 00-1242	EA	6' Bauhinia purpurea - Purple Orchid Tree	559.84	
	32 93 43 00-1243	EA	8' Bauhinia purpurea - Purple Orchid Tree	746.46	
	32 93 43 00-1244	EA	10' Bauhinia purpurea - Purple Orchid Tree	933.08	
	32 93 43 00-1245	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	242.60	
	32 93 43 00-1246	EA	6' Bauhinia variegata candida - White Orchid Tree	622.05	
	32 93 43 00-1247	EA	8' Bauhinia variegata candida - White Orchid Tree	829.40	
	32 93 43 00-1248	EA	10' Bauhinia variegata candida - White Orchid Tree	1,036.75	
	32 93 43 00-1249	EA	4' To 5' Bauhinia blakeana - Hong Kong Orchid	445.80	
	32 93 43 00-1250	EA	6' Bauhinia blakeana - Hong Kong Orchid	528.74	
	32 93 43 00-1251	EA	8' Bauhinia blakeana - Hong Kong Orchid	704.99	
	32 93 43 00-1252	EA	10' Bauhinia blakeana - Hong Kong Orchid	881.24	
	32 93 43 00-1253	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	338.77	
	32 93 43 00-1254	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	451.69	
	32 93 43 00-1255	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	564.62	
	32 93 43 00-1256	EA	6' Callistemon viminalis - Weeping Bottle Brush	338.77	
	32 93 43 00-1257	EA	8' Callistemon viminalis - Weeping Bottle Brush	451.69	
	32 93 43 00-1258	EA	10' Callistemon viminalis - Weeping Bottle Brush	564.62	
	32 93 43 00-1259	EA	12' Callistemon viminalis - Weeping Bottle Brush	677.54	
	32 93 43 00-1260	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	217.72	
	32 93 43 00-1261	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	342.13	
	32 93 43 00-1262	EA	3' To 4' Chamaerops humilis - European Fan Palm	186.62	
	32 93 43 00-1263	EA	5' To 6' Chamaerops humilis - European Fan Palm	248.82	
	32 93 43 00-1264	EA	7' To 8' Chamaerops humilis - European Fan Palm	580.58	
	32 93 43 00-1265	EA	9' To 10' Chamaerops humilis - European Fan Palm	995.28	
	32 93 43 00-1266	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	145.14	
	32 93 43 00-1267	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	290.29	
	32 93 43 00-1268	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	373.23	
	32 93 43 00-1269	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	518.38	
	32 93 43 00-1270	EA	12' To 16' Cocos nucifera - Coconut Palm	437.24	
	32 93 43 00-1271	EA	6' Eriobotrya deflexa - Bronze Loquat	559.84	
	32 93 43 00-1272	EA	8' Eriobotrya deflexa - Bronze Loquat	746.46	
	32 93 43 00-1273	EA	10' Eriobotrya deflexa - Bronze Loquat	933.08	
	32 93 43 00-1274	EA	6' Eucalyptus erythrocorys - Red Cap Gum	559.84	
	32 93 43 00-1275	EA	8' Eucalyptus erythrocorys - Red Cap Gum	746.46	
	32 93 43 00-1276	EA	10' Eucalyptus erythrocorys - Red Cap Gum	933.08	
	32 93 43 00-1277	EA	6' Eucalyptus gunnii - Cider Gum	559.84	
	32 93 43 00-1278	EA	8' Eucalyptus gunnii - Cider Gum	746.46	
	32 93 43 00-1279	EA	10' Eucalyptus gunnii - Cider Gum	933.08	
	32 93 43 00-1280	EA	6' Eucalyptus leucoxydon - White Ironbark	559.84	
	32 93 43 00-1281	EA	8' Eucalyptus leucoxydon - White Ironbark	746.46	
	32 93 43 00-1282	EA	10' Eucalyptus leucoxydon - White Ironbark	933.08	
	32 93 43 00-1283	EA	12' Eucalyptus leucoxydon - White Ironbark	1,119.69	
	32 93 43 00-1284	EA	6' Eucalyptus polyanthemus - Silver Dollar Gum	559.84	
	32 93 43 00-1285	EA	8' Eucalyptus polyanthemus - Silver Dollar Gum	746.46	
	32 93 43 00-1286	EA	10' Eucalyptus polyanthemus - Silver Dollar Gum	933.08	
	32 93 43 00-1287	EA	6' Eucalyptus torquata - Coral Gum	559.84	
	32 93 43 00-1288	EA	8' Eucalyptus torquata - Coral Gum	746.46	
	32 93 43 00-1289	EA	10' Eucalyptus torquata - Coral Gum	933.08	
	32 93 43 00-1290	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	351.32	
	32 93 43 00-1291	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	476.79	
	32 93 43 00-1292	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	589.71	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1293	EA		6' Jacarandra acutifolia - Jacaranda	559.84	
32 93 43 00-1294	EA		8' Jacarandra acutifolia - Jacaranda	746.46	
32 93 43 00-1295	EA		10' Jacarandra acutifolia - Jacaranda	933.08	
32 93 43 00-1296	EA		24" Box Jacarandra acutifolia - Jacaranda	242.60	
32 93 43 00-1297	EA		6' Olea europaea - Olive "Fruitless"	414.21	
32 93 43 00-1298	EA		8' Olea europaea - Olive "Fruitless"	552.28	
32 93 43 00-1299	EA		10' Olea europaea - Olive "Fruitless"	690.34	
32 93 43 00-1300	EA		12' Olea europaea - Olive "Fruitless"	828.41	
32 93 43 00-1301	EA		24" Box Olea europaea - Olive "Fruitless"	509.32	
32 93 43 00-1302	EA		5 Gallon Pistacia chinensis - Chinese Pistache	37.32	
32 93 43 00-1303	EA		15 Gallon Pistacia chinensis - Chinese Pistache	124.41	
32 93 43 00-1304	EA		24" Box Pistacia chinensis - Chinese Pistache	483.13	
32 93 43 00-1305	EA		36" Box Pistacia chinensis - Chinese Pistache	1,285.57	
32 93 43 00-1306	EA		48" Box Pistacia chinensis - Chinese Pistache	2,737.02	
32 93 43 00-1307	EA		5 Gallon Pyrus kawakamii - Evergreen Pear, Single	23.34	
32 93 43 00-1308	EA		15 Gallon Pyrus kawakamii - Evergreen Pear, Single	77.79	
32 93 43 00-1309	EA		24" Box Pyrus kawakamii - Evergreen Pear, Single	292.35	
32 93 43 00-1310	EA		30" Box Pyrus kawakamii - Evergreen Pear, Single	534.50	
32 93 43 00-1311	EA		36" Box Pyrus kawakamii - Evergreen Pear, Single	777.91	
32 93 43 00-1312	EA		5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	23.34	
32 93 43 00-1313	EA		15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	82.81	
32 93 43 00-1314	EA		24" Box Pyrus kawakamii - Evergreen Pear, Multi	301.13	
32 93 43 00-1315	EA		30" Box Pyrus kawakamii - Evergreen Pear, Multi	534.50	
32 93 43 00-1316	EA		36" Box Pyrus kawakamii - Evergreen Pear, Multi	777.91	
32 93 43 00-1317	EA		9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	155.51	
32 93 43 00-1318	EA		11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	259.19	
32 93 43 00-1319	EA		15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	393.96	
32 93 43 00-1320	EA		17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	445.80	
32 93 43 00-1321	EA		20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	518.38	
32 93 43 00-1322	EA		4' To 5' Rhaps excelsa - Lady Palm	393.96	
32 93 43 00-1323	EA		6' To 7' Rhaps excelsa - Lady Palm	559.84	
32 93 43 00-1324	EA		8' To 9' Roystonea regia - Royal Palm	317.25	
32 93 43 00-1325	EA		10' To 11' Roystonea regia - Royal Palm	387.74	
32 93 43 00-1326	EA		12' To 13' Roystonea regia - Royal Palm	458.24	
32 93 43 00-1327	EA		14' To 15' Roystonea regia - Royal Palm	528.74	
32 93 43 00-1328	EA		16' To 17' Roystonea regia - Royal Palm	599.24	
32 93 43 00-1329	EA		18' To 19' Roystonea regia - Royal Palm	669.74	
32 93 43 00-1330	EA		20' To 21' Roystonea regia - Royal Palm	740.24	
32 93 43 00-1331	EA		10' To 16' Sabal palmetto - Cabbage Palm	160.33	
32 93 43 00-1332	EA		6' To 7' Thrinax morrisii - Key Thatch Palm	435.44	
32 93 43 00-1333	EA		8' To 9' Thrinax morrisii - Key Thatch Palm	559.84	
32 93 43 00-1334	EA		10' To 11' Thrinax morrisii - Key Thatch Palm	684.26	
32 93 43 00-1335	EA		1 Gallon Washingtonia robusta - Mexican Fan Palm	9.03	
32 93 43 00-1336	EA		5 Gallon Washingtonia robusta - Mexican Fan Palm	28.10	
32 93 43 00-1337	EA		15 Gallon Washingtonia robusta - Mexican Fan Palm	98.35	
32 93 43 00-1338	EA		24" Box Washingtonia robusta - Mexican Fan Palm	321.15	
32 93 43 00-1339	EA		36" Box Washingtonia robusta - Mexican Fan Palm	853.06	
32 93 43 00-1340	EA		6' Washingtonia robusta - Mexican Fan Palm	559.84	
32 93 43 00-1341	EA		8' Washingtonia robusta - Mexican Fan Palm	746.46	
32 93 43 00-1342	EA		10' Washingtonia robusta - Mexican Fan Palm	933.08	
32 93 43 00-1343	EA		12' Washingtonia robusta - Mexican Fan Palm	1,119.69	

32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001	Planting Trees (32 93 83)	
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting
32 93 83 00-0006	EA	1 Gallon Container Tree Planting
		For >10 To 25, Deduct
		For >25 To 50, Deduct
		For >50 To 100, Deduct
		For >100, Deduct
32 93 83 00-0007	EA	2 Gallon Container Tree Planting
		For >10 To 25, Deduct
		For >25 To 50, Deduct
		For >50 To 100, Deduct
		For >100, Deduct
32 93 83 00-0008	EA	3 Gallon Container Tree Planting
		For >10 To 25, Deduct
		For >25 To 50, Deduct
		For >50 To 100, Deduct
		For >100, Deduct
32 93 83 00-0009	EA	5 Gallon Container Tree Planting
		For >10 To 25, Deduct
		For >25 To 50, Deduct
		For >50 To 100, Deduct
		For >100, Deduct

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0010 EA 7 Gallon Container Tree Planting.....	90.00	
For>10 To 25, Deduct	-4.50	
For>25 To 50, Deduct	-11.25	
For>50 To 100, Deduct	-18.00	
For>100, Deduct	-27.00	
32 93 83 00-0011 EA 10 Gallon Container Tree Planting.....	117.00	
For>10 To 25, Deduct	-5.85	
For>25 To 50, Deduct	-14.63	
For>50 To 100, Deduct	-23.40	
For>100, Deduct	-35.10	
32 93 83 00-0012 EA 15 Gallon Container Tree Planting.....	166.51	
For>10 To 25, Deduct	-8.33	
For>25 To 50, Deduct	-20.81	
For>50 To 100, Deduct	-33.30	
For>100, Deduct	-49.95	
32 93 83 00-0013 EA 20 Gallon Container Tree Planting.....	274.51	
For>10 To 25, Deduct	-13.73	
For>25 To 50, Deduct	-34.31	
For>50 To 100, Deduct	-54.90	
For>100, Deduct	-82.35	
32 93 83 00-0014 EA 25 Gallon Container Tree Planting.....	355.51	
For>10 To 25, Deduct	-17.78	
For>25 To 50, Deduct	-44.44	
For>50 To 100, Deduct	-71.10	
For>100, Deduct	-106.65	
32 93 83 00-0015 EA 30 Gallon Container Tree Planting.....	427.52	
For>10 To 25, Deduct	-21.38	
For>25 To 50, Deduct	-53.44	
For>50 To 100, Deduct	-85.50	
For>100, Deduct	-128.26	
32 93 83 00-0016 EA 45 Gallon Container Tree Planting.....	531.02	
For>10 To 25, Deduct	-26.55	
For>25 To 50, Deduct	-66.38	
For>50 To 100, Deduct	-106.20	
For>100, Deduct	-159.31	
32 93 83 00-0017 EA 65 Gallon Container Tree Planting.....	630.03	
For>10 To 25, Deduct	-31.50	
For>25 To 50, Deduct	-78.75	
For>50 To 100, Deduct	-126.01	
For>100, Deduct	-189.01	
32 93 83 00-0018 EA 6' Balled And Burlapped Tree Planting.....	225.01	
For>10 To 25, Deduct	-11.25	
For>25 To 50, Deduct	-28.13	
For>50 To 100, Deduct	-45.00	
For>100, Deduct	-67.50	
32 93 83 00-0019 EA 7' Balled And Burlapped Tree Planting.....	299.71	
For>10 To 25, Deduct	-14.99	
For>25 To 50, Deduct	-37.46	
For>50 To 100, Deduct	-59.94	
For>100, Deduct	-89.91	
32 93 83 00-0020 EA 8' Balled And Burlapped Tree Planting.....	337.52	
For>10 To 25, Deduct	-16.88	
For>25 To 50, Deduct	-42.19	
For>50 To 100, Deduct	-67.50	
For>100, Deduct	-101.26	
32 93 83 00-0021 EA 10' Balled And Burlapped Tree Planting.....	393.76	
For>10 To 25, Deduct	-19.69	
For>25 To 50, Deduct	-49.22	
For>50 To 100, Deduct	-78.75	
For>100, Deduct	-118.13	
32 93 83 00-0022 EA 12' Balled And Burlapped Tree Planting.....	526.53	
For>10 To 25, Deduct	-26.33	
For>25 To 50, Deduct	-65.82	
For>50 To 100, Deduct	-105.31	
For>100, Deduct	-157.96	
32 93 83 00-0023 EA 14' Balled And Burlapped Tree Planting.....	603.03	
For>10 To 25, Deduct	-30.15	
For>25 To 50, Deduct	-75.38	
For>50 To 100, Deduct	-120.61	
For>100, Deduct	-180.91	
32 93 83 00-0024 EA 16' Balled And Burlapped Tree Planting.....	731.28	
For>10 To 25, Deduct	-36.56	
For>25 To 50, Deduct	-91.41	
For>50 To 100, Deduct	-146.26	
For>100, Deduct	-219.38	
32 93 83 00-0025 EA 18' Balled And Burlapped Tree Planting.....	877.54	
For>10 To 25, Deduct	-43.88	
For>25 To 50, Deduct	-109.69	
For>50 To 100, Deduct	-175.51	
For>100, Deduct	-263.26	
32 93 83 00-0026 EA 20' Balled And Burlapped Tree Planting.....	1,012.55	
For>10 To 25, Deduct	-50.63	
For>25 To 50, Deduct	-126.57	
For>50 To 100, Deduct	-202.51	
For>100, Deduct	-303.77	



Exterior Improvements		32
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting	337.52	
For >10 To 25, Deduct	-16.88	
For >25 To 50, Deduct	-42.19	
For >50 To 100, Deduct	-67.50	
For >100, Deduct	-101.26	
32 93 83 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting	393.76	
For >10 To 25, Deduct	-19.69	
For >25 To 50, Deduct	-49.22	
For >50 To 100, Deduct	-78.75	
For >100, Deduct	-118.13	
32 93 83 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting	528.77	
For >10 To 25, Deduct	-26.44	
For >25 To 50, Deduct	-66.10	
For >50 To 100, Deduct	-105.75	
For >100, Deduct	-158.63	
32 93 83 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting	607.53	
For >10 To 25, Deduct	-30.38	
For >25 To 50, Deduct	-75.94	
For >50 To 100, Deduct	-121.51	
For >100, Deduct	-182.26	
32 93 83 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting	675.03	
For >10 To 25, Deduct	-33.75	
For >25 To 50, Deduct	-84.38	
For >50 To 100, Deduct	-135.01	
For >100, Deduct	-202.51	
32 93 83 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting	774.04	
For >10 To 25, Deduct	-38.70	
For >25 To 50, Deduct	-96.76	
For >50 To 100, Deduct	-154.81	
For >100, Deduct	-232.21	
32 93 83 00-0033 Planting Shrubs <small>(32 93 83)</small>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0034 EA 1 Gallon Container Shrub Planting	19.13	
For >10 To 25, Deduct	-0.96	
For >25 To 50, Deduct	-2.39	
For >50 To 100, Deduct	-3.83	
For >100, Deduct	-5.74	
32 93 83 00-0035 EA 2 Gallon Container Shrub Planting	27.00	
For >10 To 25, Deduct	-1.35	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-5.40	
For >100, Deduct	-8.10	
32 93 83 00-0036 EA 3 Gallon Container Shrub Planting	33.75	
For >10 To 25, Deduct	-1.69	
For >25 To 50, Deduct	-4.22	
For >50 To 100, Deduct	-6.75	
For >100, Deduct	-10.13	
32 93 83 00-0037 EA 4 Gallon Container Shrub Planting	45.01	
For >10 To 25, Deduct	-2.25	
For >25 To 50, Deduct	-5.63	
For >50 To 100, Deduct	-9.00	
For >100, Deduct	-13.50	
32 93 83 00-0038 EA 5 Gallon Container Shrub Planting	56.25	
For >10 To 25, Deduct	-2.81	
For >25 To 50, Deduct	-7.03	
For >50 To 100, Deduct	-11.25	
For >100, Deduct	-16.88	
32 93 83 00-0039 EA 7 Gallon Container Shrub Planting	76.50	
For >10 To 25, Deduct	-3.83	
For >25 To 50, Deduct	-9.56	
For >50 To 100, Deduct	-15.30	
For >100, Deduct	-22.95	
32 93 83 00-0040 EA 10 Gallon Container Shrub Planting	101.25	
For >10 To 25, Deduct	-5.06	
For >25 To 50, Deduct	-12.66	
For >50 To 100, Deduct	-20.25	
For >100, Deduct	-30.38	
32 93 83 00-0041 EA 15 Gallon Container Shrub Planting	139.51	
For >10 To 25, Deduct	-6.98	
For >25 To 50, Deduct	-17.44	
For >50 To 100, Deduct	-27.90	
For >100, Deduct	-41.85	
32 93 83 00-0042 EA 20 Gallon Container Shrub Planting	234.01	
For >10 To 25, Deduct	-11.70	
For >25 To 50, Deduct	-29.25	
For >50 To 100, Deduct	-46.80	
For >100, Deduct	-70.20	
32 93 83 00-0043 EA 25 Gallon Container Shrub Planting	299.71	
For >10 To 25, Deduct	-14.99	
For >25 To 50, Deduct	-37.46	
For >50 To 100, Deduct	-59.94	
For >100, Deduct	-89.91	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0044	EA		15" Balled And Burlapped Shrub Planting	63.00	
			<i>For >10 To 25, Deduct</i>	-3.15	
			<i>For >25 To 50, Deduct</i>	-7.88	
			<i>For >50 To 100, Deduct</i>	-12.60	
			<i>For >100, Deduct</i>	-18.90	
32 93 83 00-0045	EA		18" Balled And Burlapped Shrub Planting	65.25	
			<i>For >10 To 25, Deduct</i>	-3.26	
			<i>For >25 To 50, Deduct</i>	-8.16	
			<i>For >50 To 100, Deduct</i>	-13.05	
			<i>For >100, Deduct</i>	-19.58	
32 93 83 00-0046	EA		24" Balled And Burlapped Shrub Planting	72.01	
			<i>For >10 To 25, Deduct</i>	-3.60	
			<i>For >25 To 50, Deduct</i>	-9.00	
			<i>For >50 To 100, Deduct</i>	-14.40	
			<i>For >100, Deduct</i>	-21.60	
32 93 83 00-0047	EA		30" Balled And Burlapped Shrub Planting	72.01	
			<i>For >10 To 25, Deduct</i>	-3.60	
			<i>For >25 To 50, Deduct</i>	-9.00	
			<i>For >50 To 100, Deduct</i>	-14.40	
			<i>For >100, Deduct</i>	-21.60	
32 93 83 00-0048	EA		36" Balled And Burlapped Shrub Planting	78.75	
			<i>For >10 To 25, Deduct</i>	-3.94	
			<i>For >25 To 50, Deduct</i>	-9.84	
			<i>For >50 To 100, Deduct</i>	-15.75	
			<i>For >100, Deduct</i>	-23.63	
32 93 83 00-0049	EA		42" Balled And Burlapped Shrub Planting	83.26	
			<i>For >10 To 25, Deduct</i>	-4.16	
			<i>For >25 To 50, Deduct</i>	-10.41	
			<i>For >50 To 100, Deduct</i>	-16.65	
			<i>For >100, Deduct</i>	-24.98	
32 93 83 00-0050	EA		48" Balled And Burlapped Shrub Planting	90.00	
			<i>For >10 To 25, Deduct</i>	-4.50	
			<i>For >25 To 50, Deduct</i>	-11.25	
			<i>For >50 To 100, Deduct</i>	-18.00	
			<i>For >100, Deduct</i>	-27.00	
32 93 83 00-0051	EA		5' Balled And Burlapped Shrub Planting	135.01	
			<i>For >10 To 25, Deduct</i>	-6.75	
			<i>For >25 To 50, Deduct</i>	-16.88	
			<i>For >50 To 100, Deduct</i>	-27.00	
			<i>For >100, Deduct</i>	-40.50	
32 93 83 00-0052	EA		6' Balled And Burlapped Shrub Planting	191.26	
			<i>For >10 To 25, Deduct</i>	-9.56	
			<i>For >25 To 50, Deduct</i>	-23.91	
			<i>For >50 To 100, Deduct</i>	-38.25	
			<i>For >100, Deduct</i>	-57.38	
32 93 83 00-0053	EA		7' Balled And Burlapped Shrub Planting	254.26	
			<i>For >10 To 25, Deduct</i>	-12.71	
			<i>For >25 To 50, Deduct</i>	-31.78	
			<i>For >50 To 100, Deduct</i>	-50.85	
			<i>For >100, Deduct</i>	-76.28	
32 93 83 00-0054	EA		8' Balled And Burlapped Shrub Planting	288.01	
			<i>For >10 To 25, Deduct</i>	-14.40	
			<i>For >25 To 50, Deduct</i>	-36.00	
			<i>For >50 To 100, Deduct</i>	-57.60	
			<i>For >100, Deduct</i>	-86.40	
32 93 83 00-0055	EA		9' Balled And Burlapped Shrub Planting	310.52	
			<i>For >10 To 25, Deduct</i>	-15.53	
			<i>For >25 To 50, Deduct</i>	-38.82	
			<i>For >50 To 100, Deduct</i>	-62.10	
			<i>For >100, Deduct</i>	-93.16	
32 93 83 00-0056	EA		10' Balled And Burlapped Shrub Planting	337.52	
			<i>For >10 To 25, Deduct</i>	-16.88	
			<i>For >25 To 50, Deduct</i>	-42.19	
			<i>For >50 To 100, Deduct</i>	-67.50	
			<i>For >100, Deduct</i>	-101.26	
32 93 83 00-0057			Planting Groundcover, Vines, Perennials, Annuals And Bulbs <small>(32 93 83)</small>		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0058	EA		2-1/4" Diameter Potted Groundcover And Flower Planting	1.88	
			<i>For >10 To 25, Deduct</i>	-0.09	
			<i>For >25 To 50, Deduct</i>	-0.24	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100, Deduct</i>	-0.56	
32 93 83 00-0059	EA		3" Diameter Potted Groundcover And Flower Planting	2.14	
			<i>For >10 To 25, Deduct</i>	-0.11	
			<i>For >25 To 50, Deduct</i>	-0.27	
			<i>For >50 To 100, Deduct</i>	-0.43	
			<i>For >100, Deduct</i>	-0.64	
32 93 83 00-0060	EA		4" Diameter Potted Groundcover And Flower Planting	2.50	
			<i>For >10 To 25, Deduct</i>	-0.13	
			<i>For >25 To 50, Deduct</i>	-0.31	
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100, Deduct</i>	-0.75	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting.....	3.00	
For >10 To 25, Deduct	-0.15	
For >25 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.60	
For >100, Deduct	-0.90	
32 93 83 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting.....	3.75	
For >10 To 25, Deduct	-0.19	
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.75	
For >100, Deduct	-1.13	
32 93 83 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting.....	5.63	
For >10 To 25, Deduct	-0.28	
For >25 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.13	
For >100, Deduct	-1.69	
32 93 83 00-0064 EA 1 Gallon Container Groundcover And Flower Planting.....	18.00	
For >10 To 25, Deduct	-0.90	
For >25 To 50, Deduct	-2.25	
For >50 To 100, Deduct	-3.60	
For >100, Deduct	-5.40	
32 93 83 00-0065 EA 2 Gallon Container Groundcover And Flower Planting.....	24.75	
For >10 To 25, Deduct	-1.24	
For >25 To 50, Deduct	-3.09	
For >50 To 100, Deduct	-4.95	
For >100, Deduct	-7.43	
32 93 83 00-0066 EA 3 Gallon Container Groundcover And Flower Planting.....	31.51	
For >10 To 25, Deduct	-1.58	
For >25 To 50, Deduct	-3.94	
For >50 To 100, Deduct	-6.30	
For >100, Deduct	-9.45	
32 93 83 00-0067 EA 4 Gallon Container Groundcover And Flower Planting.....	40.50	
For >10 To 25, Deduct	-2.03	
For >25 To 50, Deduct	-5.06	
For >50 To 100, Deduct	-8.10	
For >100, Deduct	-12.15	
32 93 83 00-0068 EA 5 Gallon Container Groundcover And Flower Planting.....	49.50	
For >10 To 25, Deduct	-2.48	
For >25 To 50, Deduct	-6.19	
For >50 To 100, Deduct	-9.90	
For >100, Deduct	-14.85	
32 93 83 00-0069 EA 7 Gallon Container Groundcover And Flower Planting.....	67.50	
For >10 To 25, Deduct	-3.38	
For >25 To 50, Deduct	-8.44	
For >50 To 100, Deduct	-13.50	
For >100, Deduct	-20.25	
32 93 83 00-0070 EA Bulb Planting.....	1.13	
For >10 To 25, Deduct	-0.06	
For >25 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-0.23	
For >100, Deduct	-0.34	
32 93 83 00-0071 EA Flats Of 24 Groundcover And Flower Planting.....	31.50	
For >10 To 25, Deduct	-1.58	
For >25, Deduct	-3.94	
32 93 83 00-0072 EA Flats Of 36 Groundcover And Flower Planting.....	44.69	
For >10 To 25, Deduct	-2.23	
For >25, Deduct	-5.59	
32 93 83 00-0073 EA Flats Of 48 Groundcover And Flower Planting.....	59.48	
For >10 To 25, Deduct	-2.97	
For >25, Deduct	-7.44	

32 93 83 00-0074

Tree Pits (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0075 EA 2' x 1-1/4' Deep Tree Pit.....	132.25
32 93 83 00-0076 EA 2' x 2-1/2' Deep Tree Pit.....	198.34
32 93 83 00-0077 EA 2-1/2' x 1-1/2' Deep Tree Pit.....	255.54
32 93 83 00-0078 EA 2-1/2' x 3' Deep Tree Pit.....	383.24
32 93 83 00-0079 EA 3' x 1-3/4' Deep Tree Pit.....	395.63
32 93 83 00-0080 EA 3' x 3-1/2' Deep Tree Pit.....	590.53
32 93 83 00-0081 EA 3-1/2' x 1-3/4' Deep Tree Pit.....	485.51
32 93 83 00-0082 EA 3-1/2' x 3-1/2' Deep Tree Pit.....	727.31
32 93 83 00-0083 EA 4' x 2' Deep Tree Pit.....	580.62
32 93 83 00-0084 EA 4' x 4' Deep Tree Pit.....	870.48
32 93 83 00-0085 EA 4-1/2' x 2' Deep Tree Pit.....	837.07
32 93 83 00-0086 EA 4-1/2' x 4' Deep Tree Pit.....	1,257.95
32 93 83 00-0087 EA 5' x 2-1/4' Deep Tree Pit.....	1,113.38
32 93 83 00-0088 EA 5' x 4-1/2' Deep Tree Pit.....	1,659.02
32 93 83 00-0089 EA 6' x 2-1/2' Deep Tree Pit.....	1,578.93
32 93 83 00-0090 EA 6' x 5' Deep Tree Pit.....	2,365.08
32 93 83 00-0091 EA 7' x 3' Deep Tree Pit.....	2,660.67
32 93 83 00-0092 EA 7' x 6' Deep Tree Pit.....	4,011.14
32 93 83 00-0093 EA 8' x 3-1/4' Deep Tree Pit.....	3,661.23

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 83 00-0094 EA 8' x 6-1/2' Deep Tree Pit 5,489.64

32 94 Planting Accessories (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.09	2.74
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.04	2.74
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.11	2.74
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	12.77	2.83
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	13.94	2.83
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	13.92	2.83
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.34	2.92
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	12.65	2.92
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	12.78	2.92
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	14.40	3.01
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	15.70	3.01
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	15.82	3.01
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	12.67	2.83
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	17.83	2.83

32 94 13 00-0016 Concrete Band, Cast In Place (32 94 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 94 13 00-0017	LF	6" x 4" Concrete Band.....	18.49	9.82
		Note: Excludes base course.		
		For Up To 20, Add	11.39	
		For >20 To 50, Add	6.47	
		For >50 To 100, Add	2.46	
		For >500 To 1,000, Deduct	-2.46	
		For >1,000, Deduct	-4.16	
32 94 13 00-0018	LF	6" x 6" Concrete Band.....	22.08	11.54
		Note: Excludes base course.		
		For Up To 20, Add	13.65	
		For >20 To 50, Add	7.75	
		For >50 To 100, Add	2.95	
		For >500 To 1,000, Deduct	-2.95	
		For >1,000, Deduct	-4.98	
32 94 13 00-0019	LF	8" x 6" Concrete Band.....	25.47	132.75
		Note: Excludes base course.		
		For Up To 20, Add	15.77	
		For >20 To 50, Add	8.95	
		For >50 To 100, Add	3.41	
		For >500 To 1,000, Deduct	-3.41	
		For >1,000, Deduct	-5.75	
32 94 13 00-0020	LF	10" x 6" Concrete Band.....	28.28	144.29
		Note: Excludes base course.		
		For Up To 20, Add	17.49	
		For >20 To 50, Add	9.93	
		For >50 To 100, Add	3.78	
		For >500 To 1,000, Deduct	-3.78	
		For >1,000, Deduct	-6.38	
32 94 13 00-0021	LF	12" x 6" Concrete Band.....	29.39	15.01
		Note: Excludes base course.		
		For Up To 20, Add	18.00	
		For >20 To 50, Add	10.21	
		For >50 To 100, Add	3.89	
		For >500 To 1,000, Deduct	-3.89	
		For >1,000, Deduct	-6.58	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	6" x 8" Railroad Ties	15.95	5.25
32 94 16 00-0002	LF	7" x 9" Railroad Ties	19.23	6.60
32 94 16 00-0003	LF	1" x 4" Redwood	5.56	1.87
32 94 16 00-0004	LF	2" x 4" Redwood Edging	7.65	2.80
32 94 16 00-0005	LF	4" x 6" Pressure Treated Hardwood.....	10.30	3.74
32 94 16 00-0006	LF	6" x 6" Pressure Treated Hardwood.....	13.34	4.67
32 94 16 00-0007	LF	6" x 8" Pressure Treated Hardwood.....	15.57	5.49
32 94 16 00-0008	LF	1" x 4" Pressure Treated Pine.....	4.22	1.87
32 94 16 00-0009	LF	2" x 4" Pressure Treated Pine.....	6.37	2.80
32 94 16 00-0010	LF	4" x 6" Pressure Treated Pine.....	9.79	3.62
32 94 16 00-0011	LF	6" x 6" Pressure Treated Pine.....	13.25	4.67
32 94 16 00-0012	LF	6" x 8" Pressure Treated Pine.....	16.13	5.49

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames** (32 94 43)



Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 94 43 00-0002	Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)				
32 94 43 00-0003	EA	32"	Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	1,067.54	69.26
			For >3 To 9, Deduct	-69.68	
			For >9, Deduct	-144.00	
32 94 43 00-0004	EA	36"	Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	1,236.44	69.26
			For >3 To 9, Deduct	-82.34	
			For >9, Deduct	-170.18	
32 94 43 00-0005	EA	42"	Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	1,493.74	92.34
			For >3 To 9, Deduct	-98.18	
			For >9, Deduct	-202.91	
32 94 43 00-0006	EA	48"	Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	1,861.37	92.34
			For >3 To 9, Deduct	-125.75	
			For >9, Deduct	-259.89	
32 94 43 00-0007	EA	54"	Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	2,386.97	115.43
			For >3 To 9, Deduct	-161.71	
			For >9, Deduct	-334.20	
32 94 43 00-0008	EA	60"	Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	2,502.68	138.51
			For >3 To 9, Deduct	-166.92	
			For >9, Deduct	-344.98	
32 94 43 00-0009	EA	60"	Diameter, >350 LB Cast Iron Tree Grate With Frame	2,758.54	138.51
			For >3 To 9, Deduct	-186.11	
			For >9, Deduct	-384.64	
32 94 43 00-0010	EA	72"	Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	3,671.33	196.22
			For >3 To 9, Deduct	-245.92	
			For >9, Deduct	-508.23	
32 94 43 00-0011	EA	72"	Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	3,820.37	196.22
			For >3 To 9, Deduct	-257.09	
			For >9, Deduct	-531.33	
32 94 43 00-0012	EA	72"	Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	3,944.57	196.22
			For >3 To 9, Deduct	-266.41	
			For >9, Deduct	-550.58	
32 94 43 00-0013	EA	72"	Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	4,043.93	196.22
			For >3 To 9, Deduct	-273.86	
			For >9, Deduct	-565.98	
32 94 43 00-0014	EA	72"	Diameter, >700 LB Cast Iron Tree Grate With Frame	4,118.45	196.22
			For >3 To 9, Deduct	-279.45	
			For >9, Deduct	-577.53	
32 94 43 00-0015	EA	93"	Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	4,515.59	230.86
			For >3 To 9, Deduct	-304.04	
			For >9, Deduct	-628.35	

32 94 43 00-0016	Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)				
32 94 43 00-0017	EA	30" x 30"	75 To 125 LB Cast Iron Tree Grate With Frame	983.07	69.26
			For >3 To 9, Deduct	-63.34	
			For >9, Deduct	-130.91	
32 94 43 00-0018	EA	36" x 36"	100 To 150 LB Cast Iron Tree Grate With Frame	1,194.21	69.26
			For >3 To 9, Deduct	-79.18	
			For >9, Deduct	-163.63	
32 94 43 00-0019	EA	48" x 48"	Up To 200 LB Cast Iron Tree Grate With Frame	1,770.94	115.43
			For >3 To 9, Deduct	-115.51	
			For >9, Deduct	-238.71	
32 94 43 00-0020	EA	48" x 48"	>200 To 250 LB Cast Iron Tree Grate With Frame	2,093.86	115.43
			For >3 To 9, Deduct	-139.73	
			For >9, Deduct	-288.77	
32 94 43 00-0021	EA	48" x 48"	>250 To 300 LB Cast Iron Tree Grate With Frame	2,391.94	115.43
			For >3 To 9, Deduct	-162.08	
			For >9, Deduct	-334.97	
32 94 43 00-0022	EA	48" x 48"	>300 To 350 LB Cast Iron Tree Grate With Frame	2,665.18	115.43
			For >3 To 9, Deduct	-182.57	
			For >9, Deduct	-377.32	
32 94 43 00-0023	EA	48" x 48"	>350 To 400 LB Cast Iron Tree Grate With Frame	2,913.58	115.43
			For >3 To 9, Deduct	-201.20	
			For >9, Deduct	-415.82	
32 94 43 00-0024	EA	48" x 48"	>400 LB Cast Iron Tree Grate With Frame	3,137.14	115.43
			For >3 To 9, Deduct	-217.97	
			For >9, Deduct	-450.47	
32 94 43 00-0025	EA	60" x 60"	Up To 400 LB Cast Iron Tree Grate With Frame	3,005.92	161.60
			For >3 To 9, Deduct	-201.20	
			For >9, Deduct	-415.82	
32 94 43 00-0026	EA	60" x 60"	>400 To 450 LB Cast Iron Tree Grate With Frame	3,229.48	161.60
			For >3 To 9, Deduct	-217.97	
			For >9, Deduct	-450.47	
32 94 43 00-0027	EA	60" x 60"	>450 To 500 LB Cast Iron Tree Grate With Frame	3,428.20	161.60
			For >3 To 9, Deduct	-232.88	
			For >9, Deduct	-481.28	
32 94 43 00-0028	EA	60" x 60"	>500 To 550 LB Cast Iron Tree Grate With Frame	3,602.08	161.60
			For >3 To 9, Deduct	-245.92	
			For >9, Deduct	-508.23	
32 94 43 00-0029	EA	60" x 60"	>550 To 600 LB Cast Iron Tree Grate With Frame	3,751.12	161.60
			For >3 To 9, Deduct	-257.09	
			For >9, Deduct	-531.33	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	3,875.32	161.60
			<i>For >3 To 9, Deduct</i>	-266.41	
			<i>For >9, Deduct</i>	-550.58	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame.....	3,671.33	196.22
			<i>For >3 To 9, Deduct</i>	-245.92	
			<i>For >9, Deduct</i>	-508.23	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	3,820.37	196.22
			<i>For >3 To 9, Deduct</i>	-257.09	
			<i>For >9, Deduct</i>	-531.33	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	3,944.57	196.22
			<i>For >3 To 9, Deduct</i>	-266.41	
			<i>For >9, Deduct</i>	-550.58	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	4,043.93	196.22
			<i>For >3 To 9, Deduct</i>	-273.86	
			<i>For >9, Deduct</i>	-565.98	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	4,118.45	196.22
			<i>For >3 To 9, Deduct</i>	-279.45	
			<i>For >9, Deduct</i>	-577.53	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	4,168.13	196.22
			<i>For >3 To 9, Deduct</i>	-283.18	
			<i>For >9, Deduct</i>	-585.23	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	4,192.97	196.22
			<i>For >3 To 9, Deduct</i>	-285.04	
			<i>For >9, Deduct</i>	-589.08	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	4,217.81	196.22
			<i>For >3 To 9, Deduct</i>	-286.90	
			<i>For >9, Deduct</i>	-592.93	
32 94 43 00-0039			Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,861.37	92.34
			<i>For >3 To 9, Deduct</i>	-125.75	
			<i>For >9, Deduct</i>	-259.89	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,898.63	92.34
			<i>For >3 To 9, Deduct</i>	-128.55	
			<i>For >9, Deduct</i>	-265.66	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	2,319.90	115.43
			<i>For >3 To 9, Deduct</i>	-156.68	
			<i>For >9, Deduct</i>	-323.80	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	2,734.73	115.43
			<i>For >3 To 9, Deduct</i>	-187.79	
			<i>For >9, Deduct</i>	-388.10	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	2,913.58	115.43
			<i>For >3 To 9, Deduct</i>	-201.20	
			<i>For >9, Deduct</i>	-415.82	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	3,894.89	196.22
			<i>For >3 To 9, Deduct</i>	-262.68	
			<i>For >9, Deduct</i>	-542.88	
32 94 49			Plant and Tree Accessories (32 94)		
32 94 49 00-0001			Tree Guying (32 94 49)		
32 94 49 00-0002			Tree Guying, Stakes (32 94 49 00-0001)		
			Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap.....	23.57	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	42.70	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	73.37	
32 94 49 00-0006			Tree Guying, Anchors (32 94 49 00-0001)		
			Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope.....	97.86	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope.....	131.84	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope.....	168.17	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	218.31	
32 94 49 00-0011			Tree Wrap (32 94 49)		
32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	6.86	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	11.45	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	22.76	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	35.44	
32 94 49 00-0016			Tree Guards (32 94 49)		
32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard.....	13.85	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard.....	12.08	
32 94 49 00-0019			Stake Out Tree And Shrub Locations (32 94 49)		
			Note: When no design available.		



Exterior Improvements		32
	Planting	32 90
	Planting Accessories	32 94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 94 49 00-0020 EA Stake Out Trees Or Shrubs 7.14

32 94 49 00-0021 Root Barriers (32 94 49)

32 94 49 00-0022 EA 12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner..... 12.58
 32 94 49 00-0023 EA 18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner..... 17.95
 32 94 49 00-0024 EA 24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner..... 21.22
 32 94 49 00-0025 EA 36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner..... 40.07
 32 94 49 00-0026 EA 48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner..... 55.45

32 96 Transplanting (32 96)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate (32 96 33)

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002 EA Up To 18" Root Ball, Move Shrubs On Site 77.09
For >25 To 50, Deduct -7.71
For >50, Deduct -11.56
 32 96 33 00-0003 EA >18" To 24" Root Ball, Move Shrubs On Site 104.30
For >25 To 50, Deduct -10.43
For >50, Deduct -15.65
 32 96 33 00-0004 EA >24" To 30" Root Ball, Move Shrubs On Site 176.85
For >25 To 50, Deduct -17.69
For >50, Deduct -26.53
 32 96 33 00-0005 EA >30" To 36" Root Ball, Move Shrubs On Site 272.08
For >25 To 50, Deduct -27.21
For >50, Deduct -40.81

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate (32 96 43)

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0937 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002 EA Up To 24" Root Ball, Move Trees On Site 298.68
For >5 To 10, Deduct -14.93
For >10 To 20, Deduct -29.87
For >20, Deduct -44.80
 32 96 43 00-0003 EA >24" To 30" Root Ball, Move Trees On Site..... 409.60
For >5 To 10, Deduct -20.48
For >10 To 20, Deduct -40.96
For >20, Deduct -61.44
 32 96 43 00-0004 EA >30" To 36" Root Ball, Move Trees On Site..... 663.72
For >5 To 10, Deduct -33.19
For >10 To 20, Deduct -66.37
For >20, Deduct -99.56
 32 96 43 00-0005 EA >36" To 48" Root Ball, Move Trees On Site..... 1,102.79
For >5 To 10, Deduct -55.14
For >10 To 20, Deduct -110.28
For >20, Deduct -165.42
 32 96 43 00-0006 EA >48" To 60" Root Ball, Move Trees On Site..... 1,792.04
For >5 To 10, Deduct -89.60
For >10 To 20, Deduct -179.20
For >20, Deduct -268.81
 32 96 43 00-0007 EA >60" To 72" Root Ball, Move Trees On Site..... 2,312.30
For >5 To 10, Deduct -115.62
For >10 To 20, Deduct -231.23
For >20, Deduct -346.85
 32 96 43 00-0008 EA >72" To 84" Root Ball, Move Trees On Site..... 2,986.73
For >5 To 10, Deduct -149.34
For >10 To 20, Deduct -298.67
For >20, Deduct -448.01
 32 96 43 00-0009 EA >84" To 96" Root Ball, Move Trees On Site..... 3,584.07
For >5 To 10, Deduct -179.20
For >10 To 20, Deduct -358.41
For >20, Deduct -537.61
 32 96 43 00-0010 EA >96" To 120" Root Ball, Move Trees On Site..... 4,072.81
For >5 To 10, Deduct -203.64
For >10 To 20, Deduct -407.28
For >20, Deduct -610.92

END OF SECTION 32

32	32	Exterior Improvements
	32 90	Planting
	32 96	Transplanting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities ⁽³³⁾

33 01 10 Operation and Maintenance of Water Utilities ^(33 01)

33 01 10 54 Cleaning of Water Utility Piping ^(33 01 10)

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,046.72
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	523.35
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.40
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.04
		For >1,000 To 2,000, Deduct	-0.06
		For >2,000 To 5,000, Deduct	-0.08
		For >5,000, Deduct	-0.10
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.61
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.06
		For >1,000 To 2,000, Deduct	-0.09
		For >2,000 To 5,000, Deduct	-0.12
		For >5,000, Deduct	-0.15
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.78
		For >250 To 500, Deduct	-0.04
		For >500 To 1,000, Deduct	-0.08
		For >1,000 To 2,000, Deduct	-0.12
		For >2,000 To 5,000, Deduct	-0.16
		For >5,000, Deduct	-0.20
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.93
		For >250 To 500, Deduct	-0.05
		For >500 To 1,000, Deduct	-0.09
		For >1,000 To 2,000, Deduct	-0.14
		For >2,000 To 5,000, Deduct	-0.19
		For >5,000, Deduct	-0.23
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.20
		For >250 To 500, Deduct	-0.06
		For >500 To 1,000, Deduct	-0.12
		For >1,000 To 2,000, Deduct	-0.18
		For >2,000 To 5,000, Deduct	-0.24
		For >5,000, Deduct	-0.30
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.37
		For >250 To 500, Deduct	-0.07
		For >500 To 1,000, Deduct	-0.14
		For >1,000 To 2,000, Deduct	-0.21
		For >2,000 To 5,000, Deduct	-0.27
		For >5,000, Deduct	-0.34
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.57
		For >250 To 500, Deduct	-0.08
		For >500 To 1,000, Deduct	-0.16
		For >1,000 To 2,000, Deduct	-0.24
		For >2,000 To 5,000, Deduct	-0.31
		For >5,000, Deduct	-0.39
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.84
		For >250 To 500, Deduct	-0.09
		For >500 To 1,000, Deduct	-0.18
		For >1,000 To 2,000, Deduct	-0.28
		For >2,000 To 5,000, Deduct	-0.37
		For >5,000, Deduct	-0.46
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.37
		For >250 To 500, Deduct	-0.12
		For >500 To 1,000, Deduct	-0.24
		For >1,000 To 2,000, Deduct	-0.36
		For >2,000 To 5,000, Deduct	-0.47
		For >5,000, Deduct	-0.59
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.49
		For >250 To 500, Deduct	-0.17
		For >500 To 1,000, Deduct	-0.35
		For >1,000 To 2,000, Deduct	-0.52
		For >2,000 To 5,000, Deduct	-0.70
		For >5,000, Deduct	-0.87
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	4.83
		For >250 To 500, Deduct	-0.24
		For >500 To 1,000, Deduct	-0.48
		For >1,000 To 2,000, Deduct	-0.72
		For >2,000 To 5,000, Deduct	-0.97
		For >5,000, Deduct	-1.21

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 10 Operation and Maintenance of Water Utilities



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 10 71	Relining Water Utilities Pipelines <small>(33 01 10)</small>		
	See CSI section 33 01 30 71-0000 for relining water pipelines.		
33 01 10 71-0001	Relining Underground Water Pipelines <small>(33 01 10 71)</small>		
	Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 10 71-0002	Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 10 71-0001)</small>		
33 01 10 71-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,441.40	
33 01 10 71-0004	EA Move And Reset Up At Different Access/Location	2,176.55	
33 01 10 71-0005	Lining Pipe With Cement <small>(33 01 10 71-0001)</small>		
33 01 10 71-0006	LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	65.63	
	For 3/16" Thickness, Add	1.20	
	For 1/4" Thickness, Add	2.40	
33 01 10 71-0007	LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	58.50	
	For 3/16" Thickness, Add	1.20	
	For 1/4" Thickness, Add	2.40	
33 01 10 71-0008	LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	48.92	
	For 3/16" Thickness, Add	1.20	
	For 1/4" Thickness, Add	2.40	
33 01 10 71-0009	LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	36.91	
	For 3/16" Thickness, Add	1.20	
	For 1/4" Thickness, Add	2.40	
33 01 10 71-0010	LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	68.46	
	For 3/16" Thickness, Add	1.80	
	For 1/4" Thickness, Add	3.59	
33 01 10 71-0011	LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	61.05	
	For 3/16" Thickness, Add	1.80	
	For 1/4" Thickness, Add	3.59	
33 01 10 71-0012	LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	51.15	
	For 3/16" Thickness, Add	1.80	
	For 1/4" Thickness, Add	3.59	
33 01 10 71-0013	LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	38.98	
	For 3/16" Thickness, Add	1.80	
	For 1/4" Thickness, Add	3.59	
33 01 10 71-0014	LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	71.18	
	For 3/16" Thickness, Add	2.39	
	For 1/4" Thickness, Add	4.78	
33 01 10 71-0015	LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	63.61	
	For 3/16" Thickness, Add	2.39	
	For 1/4" Thickness, Add	4.78	
33 01 10 71-0016	LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	53.38	
	For 3/16" Thickness, Add	2.39	
	For 1/4" Thickness, Add	4.78	
33 01 10 71-0017	LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement	41.04	
	For 3/16" Thickness, Add	2.39	
	For 1/4" Thickness, Add	4.78	
33 01 10 71-0018	LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	73.32	
	For 3/16" Thickness, Add	3.00	
	For 1/4" Thickness, Add	5.99	
33 01 10 71-0019	LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	65.62	
	For 3/16" Thickness, Add	3.00	
	For 1/4" Thickness, Add	5.99	
33 01 10 71-0020	LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	55.24	
	For 3/16" Thickness, Add	3.00	
	For 1/4" Thickness, Add	5.99	
33 01 10 71-0021	LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement	43.12	
	For 3/16" Thickness, Add	3.00	
	For 1/4" Thickness, Add	5.99	
33 01 10 71-0022	LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	79.37	
	For 3/16" Thickness, Add	3.59	
	For 1/4" Thickness, Add	7.18	
33 01 10 71-0023	LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	71.19	
	For 3/16" Thickness, Add	3.59	
	For 1/4" Thickness, Add	7.18	
33 01 10 71-0024	LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	60.15	
	For 3/16" Thickness, Add	3.59	
	For 1/4" Thickness, Add	7.18	
33 01 10 71-0025	LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement	47.05	
	For 3/16" Thickness, Add	3.59	
	For 1/4" Thickness, Add	7.18	
33 01 10 71-0026	LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	86.35	
	For 1/4" Thickness, Add	3.99	
	For 5/16" Thickness, Add	7.99	
33 01 10 71-0027	LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	77.87	
	For 1/4" Thickness, Add	3.99	
	For 5/16" Thickness, Add	7.99	
33 01 10 71-0028	LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	66.37	
	For 1/4" Thickness, Add	3.99	
	For 5/16" Thickness, Add	7.99	
33 01 10 71-0029	LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	53.81	
	For 1/4" Thickness, Add	3.99	
	For 5/16" Thickness, Add	7.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	90.92	
<i>For 1/4" Thickness, Add</i>	4.79	
<i>For 5/16" Thickness, Add</i>	9.57	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	82.17	
<i>For 1/4" Thickness, Add</i>	4.79	
<i>For 5/16" Thickness, Add</i>	9.57	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	70.28	
<i>For 1/4" Thickness, Add</i>	4.79	
<i>For 5/16" Thickness, Add</i>	9.57	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	58.37	
<i>For 1/4" Thickness, Add</i>	4.79	
<i>For 5/16" Thickness, Add</i>	9.57	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	96.49	
<i>For 1/4" Thickness, Add</i>	5.59	
<i>For 5/16" Thickness, Add</i>	11.17	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	87.44	
<i>For 1/4" Thickness, Add</i>	5.59	
<i>For 5/16" Thickness, Add</i>	11.17	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	74.98	
<i>For 1/4" Thickness, Add</i>	5.59	
<i>For 5/16" Thickness, Add</i>	11.17	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	63.83	
<i>For 1/4" Thickness, Add</i>	5.59	
<i>For 5/16" Thickness, Add</i>	11.17	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	102.16	
<i>For 1/4" Thickness, Add</i>	6.39	
<i>For 5/16" Thickness, Add</i>	12.77	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	92.73	
<i>For 1/4" Thickness, Add</i>	6.39	
<i>For 5/16" Thickness, Add</i>	12.77	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	79.89	
<i>For 1/4" Thickness, Add</i>	6.39	
<i>For 5/16" Thickness, Add</i>	12.77	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement	69.50	
<i>For 1/4" Thickness, Add</i>	6.39	
<i>For 5/16" Thickness, Add</i>	12.77	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	110.10	
<i>For 1/4" Thickness, Add</i>	7.98	
<i>For 5/16" Thickness, Add</i>	15.95	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	100.13	
<i>For 1/4" Thickness, Add</i>	7.98	
<i>For 5/16" Thickness, Add</i>	15.95	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	86.51	
<i>For 1/4" Thickness, Add</i>	7.98	
<i>For 5/16" Thickness, Add</i>	15.95	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement	76.03	
<i>For 1/4" Thickness, Add</i>	7.98	
<i>For 5/16" Thickness, Add</i>	15.95	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	117.96	
<i>For 1/4" Thickness, Add</i>	9.58	
<i>For 5/16" Thickness, Add</i>	19.15	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	107.55	
<i>For 1/4" Thickness, Add</i>	9.58	
<i>For 5/16" Thickness, Add</i>	19.15	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	93.17	
<i>For 1/4" Thickness, Add</i>	9.58	
<i>For 5/16" Thickness, Add</i>	19.15	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement	82.57	
<i>For 1/4" Thickness, Add</i>	9.58	
<i>For 5/16" Thickness, Add</i>	19.15	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	147.80	
<i>For 3/8" Thickness, Add</i>	25.14	
<i>For 7/16" Thickness, Add</i>	37.70	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	136.45	
<i>For 3/8" Thickness, Add</i>	25.14	
<i>For 7/16" Thickness, Add</i>	37.70	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	120.82	
<i>For 3/8" Thickness, Add</i>	25.14	
<i>For 7/16" Thickness, Add</i>	37.70	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	109.90	
<i>For 3/8" Thickness, Add</i>	25.14	
<i>For 7/16" Thickness, Add</i>	37.70	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	163.17	
<i>For 3/8" Thickness, Add</i>	28.73	
<i>For 7/16" Thickness, Add</i>	43.09	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	151.03	
<i>For 3/8" Thickness, Add</i>	28.73	
<i>For 7/16" Thickness, Add</i>	43.09	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	134.23	
<i>For 3/8" Thickness, Add</i>	28.73	
<i>For 7/16" Thickness, Add</i>	43.09	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	123.09	
<i>For 3/8" Thickness, Add</i>	28.73	
<i>For 7/16" Thickness, Add</i>	43.09	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 10 Operation and Maintenance of Water Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	172.31 32.31 48.47	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	159.91 32.31 48.47	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	142.71 32.31 48.47	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	132.00 32.31 48.47	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	181.47 35.91 53.87	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	168.86 35.91 53.87	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	151.33 35.91 53.87	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	140.95 35.91 53.87	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	190.94 39.50 59.25	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	178.06 39.50 59.25	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	160.26 39.50 59.25	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	150.64 39.50 59.25	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	200.86 43.09 64.64	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	187.75 43.09 64.64	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	169.51 43.09 64.64	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement <i>For 3/8" Thickness, Add</i> <i>For 7/16" Thickness, Add</i>	160.45 43.09 64.64	

33 01 30 Operation and Maintenance of Sewer Utilities (33 01)

33 01 30 11 Television Inspection Of Pipelines (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)

33 01 30 11-0002 Video Camera Set-up (33 01 30 11-0001)

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003 EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	932.81
33 01 30 11-0004 EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,865.62
33 01 30 11-0005 EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,798.44
33 01 30 11-0006 EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	466.41
33 01 30 11-0007 EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	932.81

33 01 30 11-0008 Video Camera Planning And Analysis Inspection (33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009 LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.37
Note: CCTV inspection of pipe interior.	
<i>For >500 To 1,000, Deduct</i>	-0.24
<i>For >1,000 To 5,000, Deduct</i>	-0.59
<i>For >5,000, Deduct</i>	-0.83
33 01 30 11-0010 LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.15
Note: CCTV inspection of pipe interior.	
<i>For >500 To 1,000, Deduct</i>	-0.32
<i>For >1,000 To 5,000, Deduct</i>	-0.79
<i>For >5,000, Deduct</i>	-1.10
33 01 30 11-0011 LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.94
Note: CCTV inspection of pipe interior.	
<i>For >500 To 1,000, Deduct</i>	-0.39
<i>For >1,000 To 5,000, Deduct</i>	-0.99
<i>For >5,000, Deduct</i>	-1.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012 LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.25	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 5,000, Deduct	-1.31	
For >5,000, Deduct	-1.84	
33 01 30 11-0013 LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	7.39	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 5,000, Deduct	-1.85	
For >5,000, Deduct	-2.59	
33 01 30 11-0014 LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	9.86	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 5,000, Deduct	-2.47	
For >5,000, Deduct	-3.45	
33 01 30 11-0015 LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	13.91	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.39	
For >1,000 To 5,000, Deduct	-3.48	
For >5,000, Deduct	-4.87	
33 01 30 11-0016 LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	19.71	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.97	
For >1,000 To 5,000, Deduct	-4.93	
For >5,000, Deduct	-6.90	
33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)		
33 01 30 11-0018 LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase	3.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 5,000, Deduct	-0.88	
For >5,000, Deduct	-1.23	
33 01 30 11-0019 LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase	4.66	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 5,000, Deduct	-1.17	
For >5,000, Deduct	-1.63	
33 01 30 11-0020 LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase	5.83	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 5,000, Deduct	-1.46	
For >5,000, Deduct	-2.04	
33 01 30 11-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase	7.78	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.78	
For >1,000 To 5,000, Deduct	-1.95	
For >5,000, Deduct	-2.72	
33 01 30 11-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase	10.93	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.09	
For >1,000 To 5,000, Deduct	-2.73	
For >5,000, Deduct	-3.83	
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	14.57	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.46	
For >1,000 To 5,000, Deduct	-3.64	
For >5,000, Deduct	-5.10	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	20.58	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.06	
For >1,000 To 5,000, Deduct	-5.15	
For >5,000, Deduct	-7.20	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase	29.15	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.92	
For >1,000 To 5,000, Deduct	-7.29	
For >5,000, Deduct	-10.20	
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.25	
For >1,000 To 5,000, Deduct	-0.63	
For >5,000, Deduct	-0.88	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.33	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 5,000, Deduct	-0.83	
For >5,000, Deduct	-1.17	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.16	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.42	
For >1,000 To 5,000, Deduct	-1.04	
For >5,000, Deduct	-1.46	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.55	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.56	
			For >1,000 To 5,000, Deduct	-1.39	
			For >5,000, Deduct	-1.94	
33 01 30	11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.80	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-0.78	
			For >1,000 To 5,000, Deduct	-1.95	
			For >5,000, Deduct	-2.73	
33 01 30	11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.41	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.04	
			For >1,000 To 5,000, Deduct	-2.60	
			For >5,000, Deduct	-3.64	
33 01 30	11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.70	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-1.47	
			For >1,000 To 5,000, Deduct	-3.68	
			For >5,000, Deduct	-5.15	
33 01 30	11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	20.82	
			Note: CCTV inspection of pipe interior.		
			For >500 To 1,000, Deduct	-2.08	
			For >1,000 To 5,000, Deduct	-5.21	
			For >5,000, Deduct	-7.29	
33 01 30 23	Pipe Bursting	<i>(33 01 30)</i>			
33 01 30	23-0001		Pipe Bursting <i>(33 01 30 23)</i>		
			Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30	23-0002		Manhole Chipping <i>(33 01 30 23-0001)</i>		
			Note: For use at manholes to open holes for pipe bursting head.		
33 01 30	23-0003	EA	6" To 15" Diameter, Manhole Chipping.....	420.40	
33 01 30	23-0004	EA	>15" To 24" Diameter, Manhole Chipping.....	493.54	
33 01 30	23-0005	EA	>24" To 36" Diameter, Manhole Chipping.....	616.90	
33 01 30	23-0006		Pipe Bursting <i>(33 01 30 23-0001)</i>		
			Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.		
33 01 30	23-0007		Pipe Bursting Equipment Set-up <i>(33 01 30 23-0006)</i>		
33 01 30	23-0008	EA	Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	7,354.64	
33 01 30	23-0009	EA	Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	11,031.96	
33 01 30	23-0010	EA	Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	18,386.59	
33 01 30	23-0011	EA	Move And Reset Up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	2,757.99	
33 01 30	23-0012	EA	Move And Reset Up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	4,136.99	
33 01 30	23-0013	EA	Move And Reset Up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	6,894.98	
33 01 30	23-0014	EA	Set Up/Move Pipe Bursting Equipment For Laterals.....	1,838.66	
33 01 30	23-0015		Pneumatic Head Pipe Bursting <i>(33 01 30 23-0006)</i>		
33 01 30	23-0016	LF	4" Diameter, Pneumatic Head Pipe Bursting	26.40	
			For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.09	
			For >150 To 200, Add	1.25	
			For >100 To 150, Add	2.51	
			For >75 To 100, Add	3.76	
			For >50 To 75, Add	5.01	
			For >25 To 50, Add	6.68	
			For Up To 25, Add	9.19	
			For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.09	
			For Bursting Ductile Iron Pipe, Add	6.97	
33 01 30	23-0017	LF	6" Diameter, Pneumatic Head Pipe Bursting	30.42	
			For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.59	
			For >150 To 200, Add	1.55	
			For >100 To 150, Add	3.11	
			For >75 To 100, Add	4.66	
			For >50 To 75, Add	6.22	
			For >25 To 50, Add	8.29	
			For Up To 25, Add	11.40	
			For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.59	
			For Bursting Ductile Iron Pipe, Add	8.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0018 LF 8" Diameter, Pneumatic Head Pipe Bursting	34.19	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.06	
For >150 To 200, Add	1.84	
For >100 To 150, Add	3.68	
For >75 To 100, Add	5.51	
For >50 To 75, Add	7.35	
For >25 To 50, Add	9.80	
For Up To 25, Add	13.48	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.06	
For Bursting Ductile Iron Pipe, Add	9.54	
33 01 30 23-0019 LF 10" Diameter, Pneumatic Head Pipe Bursting	39.04	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.67	
For >150 To 200, Add	2.20	
For >100 To 150, Add	4.40	
For >75 To 100, Add	6.60	
For >50 To 75, Add	8.81	
For >25 To 50, Add	11.74	
For Up To 25, Add	16.14	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.67	
For Bursting Ductile Iron Pipe, Add	11.14	
33 01 30 23-0020 LF 12" Diameter, Pneumatic Head Pipe Bursting	44.65	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.37	
For >150 To 200, Add	2.62	
For >100 To 150, Add	5.24	
For >75 To 100, Add	7.87	
For >50 To 75, Add	10.49	
For >25 To 50, Add	13.98	
For Up To 25, Add	19.23	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.37	
For Bursting Ductile Iron Pipe, Add	12.99	
33 01 30 23-0021 LF 15" Diameter, Pneumatic Head Pipe Bursting	49.47	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.51	
For >150 To 200, Add	2.71	
For >100 To 150, Add	5.41	
For >75 To 100, Add	8.12	
For >50 To 75, Add	10.82	
For >25 To 50, Add	14.43	
For Up To 25, Add	19.84	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.51	
For Bursting Ductile Iron Pipe, Add	13.91	
33 01 30 23-0022 LF 18" Diameter, Pneumatic Head Pipe Bursting	55.09	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.21	
For >150 To 200, Add	3.13	
For >100 To 150, Add	6.26	
For >75 To 100, Add	9.38	
For >50 To 75, Add	12.51	
For >25 To 50, Add	16.68	
For Up To 25, Add	22.94	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.21	
For Bursting Ductile Iron Pipe, Add	15.77	
33 01 30 23-0023 LF 21"/22" Diameter, Pneumatic Head Pipe Bursting	69.71	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.20	
For >150 To 200, Add	3.72	
For >100 To 150, Add	7.44	
For >75 To 100, Add	11.16	
For >50 To 75, Add	14.88	
For >25 To 50, Add	19.84	
For Up To 25, Add	27.29	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.20	
For Bursting Ductile Iron Pipe, Add	19.39	
33 01 30 23-0024 LF 24" Diameter, Pneumatic Head Pipe Bursting	85.66	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.20	
For >150 To 200, Add	4.92	
For >100 To 150, Add	9.83	
For >75 To 100, Add	14.75	
For >50 To 75, Add	19.67	
For >25 To 50, Add	26.22	
For Up To 25, Add	36.06	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.20	
For Bursting Ductile Iron Pipe, Add	24.65	
33 01 30 23-0025 LF 30" Diameter, Pneumatic Head Pipe Bursting	94.79	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.50	
For >150 To 200, Add	5.10	
For >100 To 150, Add	10.20	
For >75 To 100, Add	15.30	
For >50 To 75, Add	20.40	
For >25 To 50, Add	27.20	
For Up To 25, Add	37.41	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.50	
For Bursting Ductile Iron Pipe, Add	26.46	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0026	LF		36" Diameter, Pneumatic Head Pipe Bursting	121.70	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	11.87	
			<i>For >150 To 200, Add</i>	7.12	
			<i>For >100 To 150, Add</i>	14.24	
			<i>For >75 To 100, Add</i>	21.36	
			<i>For >50 To 75, Add</i>	28.48	
			<i>For >25 To 50, Add</i>	37.97	
			<i>For Up To 25, Add</i>	52.21	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	11.87	
			<i>For Bursting Ductile Iron Pipe, Add</i>	35.34	
33 01 30 23-0027			Static Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0028	LF		4" Diameter, Static Head Pipe Bursting	34.54	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	3.11	
			<i>For >150 To 200, Add</i>	1.86	
			<i>For >100 To 150, Add</i>	3.73	
			<i>For >75 To 100, Add</i>	5.59	
			<i>For >50 To 75, Add</i>	7.46	
			<i>For >25 To 50, Add</i>	9.94	
			<i>For Up To 25, Add</i>	13.67	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	3.11	
			<i>For Bursting Ductile Iron Pipe, Add</i>	9.65	
33 01 30 23-0029	LF		6" Diameter, Static Head Pipe Bursting	38.58	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	3.61	
			<i>For >150 To 200, Add</i>	2.17	
			<i>For >100 To 150, Add</i>	4.33	
			<i>For >75 To 100, Add</i>	6.50	
			<i>For >50 To 75, Add</i>	8.67	
			<i>For >25 To 50, Add</i>	11.56	
			<i>For Up To 25, Add</i>	15.89	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	3.61	
			<i>For Bursting Ductile Iron Pipe, Add</i>	10.99	
33 01 30 23-0030	LF		8" Diameter, Static Head Pipe Bursting	43.25	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	4.20	
			<i>For >150 To 200, Add</i>	2.52	
			<i>For >100 To 150, Add</i>	5.03	
			<i>For >75 To 100, Add</i>	7.55	
			<i>For >50 To 75, Add</i>	10.07	
			<i>For >25 To 50, Add</i>	13.42	
			<i>For Up To 25, Add</i>	18.46	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	4.20	
			<i>For Bursting Ductile Iron Pipe, Add</i>	12.53	
33 01 30 23-0031	LF		10" Diameter, Static Head Pipe Bursting	49.32	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	4.95	
			<i>For >150 To 200, Add</i>	2.97	
			<i>For >100 To 150, Add</i>	5.94	
			<i>For >75 To 100, Add</i>	8.92	
			<i>For >50 To 75, Add</i>	11.89	
			<i>For >25 To 50, Add</i>	15.85	
			<i>For Up To 25, Add</i>	21.80	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	4.95	
			<i>For Bursting Ductile Iron Pipe, Add</i>	14.53	
33 01 30 23-0032	LF		12" Diameter, Static Head Pipe Bursting	56.32	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	5.83	
			<i>For >150 To 200, Add</i>	3.50	
			<i>For >100 To 150, Add</i>	6.99	
			<i>For >75 To 100, Add</i>	10.49	
			<i>For >50 To 75, Add</i>	13.99	
			<i>For >25 To 50, Add</i>	18.65	
			<i>For Up To 25, Add</i>	25.65	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	5.83	
			<i>For Bursting Ductile Iron Pipe, Add</i>	16.84	
33 01 30 23-0033	LF		15" Diameter, Static Head Pipe Bursting	64.54	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	6.39	
			<i>For >150 To 200, Add</i>	3.84	
			<i>For >100 To 150, Add</i>	7.67	
			<i>For >75 To 100, Add</i>	11.51	
			<i>For >50 To 75, Add</i>	15.35	
			<i>For >25 To 50, Add</i>	20.46	
			<i>For Up To 25, Add</i>	28.13	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	6.39	
			<i>For Bursting Ductile Iron Pipe, Add</i>	18.89	
33 01 30 23-0034	LF		18" Diameter, Static Head Pipe Bursting	71.27	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	7.24	
			<i>For >150 To 200, Add</i>	4.34	
			<i>For >100 To 150, Add</i>	8.68	
			<i>For >75 To 100, Add</i>	13.02	
			<i>For >50 To 75, Add</i>	17.36	
			<i>For >25 To 50, Add</i>	23.15	
			<i>For Up To 25, Add</i>	31.83	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	7.24	
			<i>For Bursting Ductile Iron Pipe, Add</i>	21.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0035 LF 21"/22" Diameter, Static Head Pipe Bursting	89.41	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.66	
For >150 To 200, Add	5.20	
For >100 To 150, Add	10.40	
For >75 To 100, Add	15.59	
For >50 To 75, Add	20.79	
For >25 To 50, Add	27.72	
For Up To 25, Add	38.12	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.66	
For Bursting Ductile Iron Pipe, Add	25.89	
33 01 30 23-0036 LF 24" Diameter, Static Head Pipe Bursting	115.13	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	11.88	
For >150 To 200, Add	7.13	
For >100 To 150, Add	14.25	
For >75 To 100, Add	21.38	
For >50 To 75, Add	28.51	
For >25 To 50, Add	38.01	
For Up To 25, Add	52.27	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	11.88	
For Bursting Ductile Iron Pipe, Add	34.37	
33 01 30 23-0037 LF 30" Diameter, Static Head Pipe Bursting	140.32	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	14.19	
For >150 To 200, Add	8.52	
For >100 To 150, Add	17.03	
For >75 To 100, Add	25.55	
For >50 To 75, Add	34.06	
For >25 To 50, Add	45.42	
For Up To 25, Add	62.45	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	14.19	
For Bursting Ductile Iron Pipe, Add	41.49	
33 01 30 23-0038 LF 36" Diameter, Static Head Pipe Bursting	169.12	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	17.79	
For >150 To 200, Add	10.68	
For >100 To 150, Add	21.35	
For >75 To 100, Add	32.03	
For >50 To 75, Add	42.70	
For >25 To 50, Add	56.94	
For Up To 25, Add	78.29	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	17.79	
For Bursting Ductile Iron Pipe, Add	50.99	
33 01 30 23-0039 Hydraulic Head Pipe Bursting (33 01 30 23-0006)	30.12	
33 01 30 23-0040 LF 4" Diameter, Hydraulic Head Pipe Bursting	30.12	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.55	
For >150 To 200, Add	1.53	
For >100 To 150, Add	3.06	
For >75 To 100, Add	4.60	
For >50 To 75, Add	6.13	
For >25 To 50, Add	8.17	
For Up To 25, Add	11.24	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.55	
For Bursting Ductile Iron Pipe, Add	8.20	
33 01 30 23-0041 LF 6" Diameter, Hydraulic Head Pipe Bursting	33.70	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.00	
For >150 To 200, Add	1.80	
For >100 To 150, Add	3.60	
For >75 To 100, Add	5.40	
For >50 To 75, Add	7.20	
For >25 To 50, Add	9.60	
For Up To 25, Add	13.21	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.00	
For Bursting Ductile Iron Pipe, Add	9.38	
33 01 30 23-0042 LF 8" Diameter, Hydraulic Head Pipe Bursting	37.81	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.52	
For >150 To 200, Add	2.11	
For >100 To 150, Add	4.22	
For >75 To 100, Add	6.33	
For >50 To 75, Add	8.44	
For >25 To 50, Add	11.25	
For Up To 25, Add	15.47	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.52	
For Bursting Ductile Iron Pipe, Add	10.73	
33 01 30 23-0043 LF 10" Diameter, Hydraulic Head Pipe Bursting	43.16	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.18	
For >150 To 200, Add	2.51	
For >100 To 150, Add	5.02	
For >75 To 100, Add	7.53	
For >50 To 75, Add	10.04	
For >25 To 50, Add	13.39	
For Up To 25, Add	18.41	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.18	
For Bursting Ductile Iron Pipe, Add	12.50	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0044	LF		12" Diameter, Hydraulic Head Pipe Bursting	49.32	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	4.95	
			<i>For >150 To 200, Add</i>	2.97	
			<i>For >100 To 150, Add</i>	5.94	
			<i>For >75 To 100, Add</i>	8.92	
			<i>For >50 To 75, Add</i>	11.89	
			<i>For >25 To 50, Add</i>	15.85	
			<i>For Up To 25, Add</i>	21.80	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	4.95	
			<i>For Bursting Ductile Iron Pipe, Add</i>	14.53	
33 01 30 23-0045	LF		15" Diameter, Hydraulic Head Pipe Bursting	56.36	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	5.37	
			<i>For >150 To 200, Add</i>	3.22	
			<i>For >100 To 150, Add</i>	6.45	
			<i>For >75 To 100, Add</i>	9.67	
			<i>For >50 To 75, Add</i>	12.89	
			<i>For >25 To 50, Add</i>	17.19	
			<i>For Up To 25, Add</i>	23.63	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	5.37	
			<i>For Bursting Ductile Iron Pipe, Add</i>	16.19	
33 01 30 23-0046	LF		18" Diameter, Hydraulic Head Pipe Bursting	62.97	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	6.20	
			<i>For >150 To 200, Add</i>	3.72	
			<i>For >100 To 150, Add</i>	7.44	
			<i>For >75 To 100, Add</i>	11.16	
			<i>For >50 To 75, Add</i>	14.87	
			<i>For >25 To 50, Add</i>	19.83	
			<i>For Up To 25, Add</i>	27.27	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	6.20	
			<i>For Bursting Ductile Iron Pipe, Add</i>	18.37	
33 01 30 23-0047	LF		21"/22" Diameter, Hydraulic Head Pipe Bursting	79.49	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	7.42	
			<i>For >150 To 200, Add</i>	4.45	
			<i>For >100 To 150, Add</i>	8.91	
			<i>For >75 To 100, Add</i>	13.36	
			<i>For >50 To 75, Add</i>	17.82	
			<i>For >25 To 50, Add</i>	23.76	
			<i>For Up To 25, Add</i>	32.66	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	7.42	
			<i>For Bursting Ductile Iron Pipe, Add</i>	22.61	
33 01 30 23-0048	LF		24" Diameter, Hydraulic Head Pipe Bursting	103.13	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	10.38	
			<i>For >150 To 200, Add</i>	6.23	
			<i>For >100 To 150, Add</i>	12.45	
			<i>For >75 To 100, Add</i>	18.68	
			<i>For >50 To 75, Add</i>	24.91	
			<i>For >25 To 50, Add</i>	33.21	
			<i>For Up To 25, Add</i>	45.67	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	10.38	
			<i>For Bursting Ductile Iron Pipe, Add</i>	30.41	
33 01 30 23-0049	LF		30" Diameter, Hydraulic Head Pipe Bursting	126.87	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	12.51	
			<i>For >150 To 200, Add</i>	7.51	
			<i>For >100 To 150, Add</i>	15.01	
			<i>For >75 To 100, Add</i>	22.52	
			<i>For >50 To 75, Add</i>	30.03	
			<i>For >25 To 50, Add</i>	40.04	
			<i>For Up To 25, Add</i>	55.05	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	12.51	
			<i>For Bursting Ductile Iron Pipe, Add</i>	37.05	
33 01 30 23-0050	LF		36" Diameter, Hydraulic Head Pipe Bursting	154.26	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	15.94	
			<i>For >150 To 200, Add</i>	9.56	
			<i>For >100 To 150, Add</i>	19.12	
			<i>For >75 To 100, Add</i>	28.68	
			<i>For >50 To 75, Add</i>	38.24	
			<i>For >25 To 50, Add</i>	50.99	
			<i>For Up To 25, Add</i>	70.11	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	15.94	
			<i>For Bursting Ductile Iron Pipe, Add</i>	46.09	
33 01 30 23-0051			Pipe Lining <small>(33 01 30 23-0001)</small>		
33 01 30 23-0052			Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0051)</small>		
			Note: Per each joint.		
33 01 30 23-0053	EA		4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	133.73	
33 01 30 23-0054	EA		>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	153.43	
33 01 30 23-0055	EA		>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	182.99	
33 01 30 23-0056			High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 23-0051)</small>		
			Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0057 LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.42	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.67	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.83	
<i>For White Interior Pipe, Add</i>	1.23	
<i>For Gray Interior Pipe, Add</i>	0.94	
33 01 30 23-0058 LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	7.39	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.02	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.77	
<i>For White Interior Pipe, Add</i>	1.87	
<i>For Gray Interior Pipe, Add</i>	1.42	
33 01 30 23-0059 LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	9.83	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.45	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.95	
<i>For White Interior Pipe, Add</i>	2.67	
<i>For Gray Interior Pipe, Add</i>	2.02	
33 01 30 23-0060 LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	11.14	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.68	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	4.57	
<i>For White Interior Pipe, Add</i>	3.08	
<i>For Gray Interior Pipe, Add</i>	2.34	
33 01 30 23-0061 LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	15.52	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.46	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	6.68	
<i>For White Interior Pipe, Add</i>	4.51	
<i>For Gray Interior Pipe, Add</i>	3.42	
33 01 30 23-0062 LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	23.14	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.82	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	10.38	
<i>For White Interior Pipe, Add</i>	7.01	
<i>For Gray Interior Pipe, Add</i>	5.31	
33 01 30 23-0063 LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	31.82	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.37	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	14.60	
<i>For White Interior Pipe, Add</i>	9.85	
<i>For Gray Interior Pipe, Add</i>	7.47	
33 01 30 23-0064 LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	34.87	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.91	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	16.07	
<i>For White Interior Pipe, Add</i>	10.84	
<i>For Gray Interior Pipe, Add</i>	8.22	
33 01 30 23-0065 LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	38.08	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.48	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	17.61	
<i>For White Interior Pipe, Add</i>	11.88	
<i>For Gray Interior Pipe, Add</i>	9.00	
33 01 30 23-0066 LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	49.23	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.47	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	23.00	
<i>For White Interior Pipe, Add</i>	15.52	
<i>For Gray Interior Pipe, Add</i>	11.76	
33 01 30 23-0067 LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	61.91	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.72	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	29.12	
<i>For White Interior Pipe, Add</i>	19.65	
<i>For Gray Interior Pipe, Add</i>	14.89	
33 01 30 23-0068 LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	76.02	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-13.23	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	35.95	
<i>For White Interior Pipe, Add</i>	24.26	
<i>For Gray Interior Pipe, Add</i>	18.38	
33 01 30 23-0069 LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	91.64	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-16.01	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	43.49	
<i>For White Interior Pipe, Add</i>	29.35	
<i>For Gray Interior Pipe, Add</i>	22.23	
33 01 30 23-0070 LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	108.81	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-19.06	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	51.78	
<i>For White Interior Pipe, Add</i>	34.94	
<i>For Gray Interior Pipe, Add</i>	26.47	
33 01 30 23-0071 LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	127.37	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-22.35	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	60.72	
<i>For White Interior Pipe, Add</i>	40.98	
<i>For Gray Interior Pipe, Add</i>	31.04	
33 01 30 23-0072 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	147.57	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-25.93	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	70.44	
<i>For White Interior Pipe, Add</i>	47.54	
<i>For Gray Interior Pipe, Add</i>	36.01	
33 01 30 23-0073 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	169.28	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-29.77	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	80.87	
<i>For White Interior Pipe, Add</i>	54.57	
<i>For Gray Interior Pipe, Add</i>	41.34	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0074 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	192.51	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-33.86	
For DR 11 Polyethylene Pipe, 160 PSI, Add	91.99	
For White Interior Pipe, Add	62.08	
For Gray Interior Pipe, Add	47.03	
33 01 30 23-0075 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	237.14	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-41.78	
For DR 11 Polyethylene Pipe, 160 PSI, Add	113.50	
For White Interior Pipe, Add	76.60	
For Gray Interior Pipe, Add	58.03	
33 01 30 23-0076 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	243.97	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-42.86	
For DR 11 Polyethylene Pipe, 160 PSI, Add	116.43	
For White Interior Pipe, Add	78.57	
For Gray Interior Pipe, Add	59.53	
33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)		
Note: Excludes earthwork excavation and backfill		
33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee (33 01 30 23-0077)		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0079 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	1,275.72	
For No Excavation, Deduct	-818.59	
33 01 30 23-0080 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,431.56	
For No Excavation, Deduct	-920.92	
33 01 30 23-0081 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,511.09	
For No Excavation, Deduct	-972.08	
33 01 30 23-0082 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,590.62	
For No Excavation, Deduct	-1,023.25	
33 01 30 23-0083 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,731.36	
For No Excavation, Deduct	-1,074.41	
33 01 30 23-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,613.17	
For No Excavation, Deduct	-1,023.25	
33 01 30 23-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,695.93	
For No Excavation, Deduct	-1,074.41	
33 01 30 23-0086 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,823.77	
For No Excavation, Deduct	-1,125.57	
33 01 30 23-0087 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,170.66	
For No Excavation, Deduct	-1,176.74	
33 01 30 23-0088 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,288.84	
For No Excavation, Deduct	-1,227.90	
33 01 30 23-0089 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,832.21	
For No Excavation, Deduct	-1,279.06	
33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style (33 01 30 23-0077)		
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.		
33 01 30 23-0091 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,750.71	
For No Excavation, Deduct	-913.62	
For Strap-On Saddle Type Instead Of Fusion Weld	-226.92	
33 01 30 23-0092 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,034.57	
For No Excavation, Deduct	-950.16	
For Strap-On Saddle Type Instead Of Fusion Weld	-209.92	
33 01 30 23-0093 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,216.77	
For No Excavation, Deduct	-986.70	
For Strap-On Saddle Type Instead Of Fusion Weld	-58.17	
33 01 30 23-0094 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,436.04	
For No Excavation, Deduct	-1,096.34	
For Strap-On Saddle Type Instead Of Fusion Weld	-102.03	
33 01 30 23-0095 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,820.46	
For No Excavation, Deduct	-1,169.43	
For Strap-On Saddle Type Instead Of Fusion Weld	354.47	
33 01 30 23-0096 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	8,475.78	
For No Excavation, Deduct	-1,297.33	
For Strap-On Saddle Type Instead Of Fusion Weld	363.24	
33 01 30 23-0097 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,390.84	
For No Excavation, Deduct	-1,425.24	
For Strap-On Saddle Type Instead Of Fusion Weld	710.96	
33 01 30 23-0098 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	10,856.28	
For No Excavation, Deduct	-1,607.97	
For Strap-On Saddle Type Instead Of Fusion Weld	502.87	
33 01 30 23-0099 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	13,186.12	
For No Excavation, Deduct	-1,900.32	
For Strap-On Saddle Type Instead Of Fusion Weld	647.69	

33 01 30 41 Cleaning of Sewers (33 01 30)**33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)**

Note: Includes flushing. Owner provided water.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0002 Pipe Line Cleaning <small>(33 01 30 41-0001)</small> Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion <small>(33 01 30 41-0002)</small> Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,437.53	
33 01 30 41-0005 EA Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,156.29	
33 01 30 41-0006 EA Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,875.06	
33 01 30 41-0007 EA Initial Set Up And Final Equipment Removal For >30" Jet Cleaning.....	3,833.40	
33 01 30 41-0008 EA Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning.....	359.39	
33 01 30 41-0009 EA Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning.....	539.07	
33 01 30 41-0010 EA Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning.....	718.76	
33 01 30 41-0011 EA Move And Reset Up At Different Access/Location For >30" Jet Cleaning	898.46	
33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines <small>(33 01 30 41-0002)</small>		
33 01 30 41-0013 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.87	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.39	
For >1,000 To 2,000, Deduct	-0.58	
For >2,000 To 5,000, Deduct	-0.77	
For >5,000, Deduct	-0.97	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.90	
33 01 30 41-0014 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.43	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.44	
For >1,000 To 2,000, Deduct	-0.66	
For >2,000 To 5,000, Deduct	-0.89	
For >5,000, Deduct	-1.11	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.32	
33 01 30 41-0015 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.21	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.52	
For >1,000 To 2,000, Deduct	-0.78	
For >2,000 To 5,000, Deduct	-1.04	
For >5,000, Deduct	-1.30	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.91	
33 01 30 41-0016 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.44	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 2,000, Deduct	-0.97	
For >2,000 To 5,000, Deduct	-1.29	
For >5,000, Deduct	-1.61	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.83	
33 01 30 41-0017 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.31	
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.73	
For >1,000 To 2,000, Deduct	-1.10	
For >2,000 To 5,000, Deduct	-1.46	
For >5,000, Deduct	-1.83	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.48	
33 01 30 41-0018 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	8.44	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.84	
For >1,000 To 2,000, Deduct	-1.27	
For >2,000 To 5,000, Deduct	-1.69	
For >5,000, Deduct	-2.11	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	6.33	
33 01 30 41-0019 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	10.15	
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 2,000, Deduct	-1.52	
For >2,000 To 5,000, Deduct	-2.03	
For >5,000, Deduct	-2.54	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	7.61	
33 01 30 41-0020 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	11.52	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,000, Deduct	-1.73	
For >2,000 To 5,000, Deduct	-2.30	
For >5,000, Deduct	-2.88	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	8.64	
33 01 30 41-0021 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	13.61	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.36	
For >1,000 To 2,000, Deduct	-2.04	
For >2,000 To 5,000, Deduct	-2.72	
For >5,000, Deduct	-3.40	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	10.21	
33 01 30 41-0022 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	17.11	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.71	
For >1,000 To 2,000, Deduct	-2.57	
For >2,000 To 5,000, Deduct	-3.42	
For >5,000, Deduct	-4.28	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	12.83	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0023 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	19.96	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-2.00	
For >1,000 To 2,000, Deduct	-2.99	
For >2,000 To 5,000, Deduct	-3.99	
For >5,000, Deduct	-4.99	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	14.97	
33 01 30 41-0024 Flushing Of Storm Water Pipelines (33 01 30 41-0002)		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0025 LF 12" To 16" Diameter Pipe Line Flushing	1.45	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.22	
For >2,000 To 5,000, Deduct	-0.29	
For >5,000, Deduct	-0.36	
33 01 30 41-0026 LF >16" To 24" Diameter Pipe Line Flushing	1.67	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.25	
For >2,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.42	
33 01 30 41-0027 LF >24" To 30" Diameter Pipe Line Flushing	1.96	
For >250 To 500, Deduct	-0.10	
For >500 To 1,000, Deduct	-0.20	
For >1,000 To 2,000, Deduct	-0.29	
For >2,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.49	
33 01 30 41-0028 LF >30" To 42" Diameter Pipe Line Flushing	2.25	
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 2,000, Deduct	-0.34	
For >2,000 To 5,000, Deduct	-0.45	
For >5,000, Deduct	-0.56	
33 01 30 41-0029 LF >42" To 60" Diameter Pipe Line Flushing	3.00	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 2,000, Deduct	-0.45	
For >2,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-0.75	
33 01 30 41-0030 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0031 LF Jet Cleaning Of Culvert, 0-250 LF	17.88	
For >250 To 500, Deduct	-0.89	
For >500 To 1,000, Deduct	-1.79	
For >1,000 To 2,000, Deduct	-2.68	
For >2,000 To 5,000, Deduct	-3.58	
For >5,000, Deduct	-4.47	
33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0033 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,256.06	
33 01 30 41-0034 EA Move And Reset Up At Different Access/Location.....	418.69	
33 01 30 41-0035 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.28	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.05	
For >2,000 To 5,000, Deduct	-1.40	
For >5,000, Deduct	-1.75	
33 01 30 41-0036 LF 6" Diameter Pipe Line Cleaning, Mechanical Method	9.57	
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.35	
For >2,000 To 5,000, Deduct	-1.79	
For >5,000, Deduct	-2.24	
33 01 30 41-0037 LF 8" Diameter Pipe Line Cleaning, Mechanical Method	11.22	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-1.57	
For >2,000 To 5,000, Deduct	-2.09	
For >5,000, Deduct	-2.62	
33 01 30 41-0038 LF 10" Diameter Pipe Line Cleaning, Mechanical Method	12.98	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-1.21	
For >1,000 To 2,000, Deduct	-1.81	
For >2,000 To 5,000, Deduct	-2.42	
For >5,000, Deduct	-3.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0039 LF 12" Diameter Pipe Line Cleaning, Mechanical Method	14.14	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500 To 1,000, Deduct</i>	-1.31	
<i>For >1,000 To 2,000, Deduct</i>	-1.96	
<i>For >2,000 To 5,000, Deduct</i>	-2.62	
<i>For >5,000, Deduct</i>	-3.27	
33 01 30 41-0040 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	16.30	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500 To 1,000, Deduct</i>	-1.50	
<i>For >1,000 To 2,000, Deduct</i>	-2.24	
<i>For >2,000 To 5,000, Deduct</i>	-2.99	
<i>For >5,000, Deduct</i>	-3.74	
33 01 30 41-0041 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	20.58	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500 To 1,000, Deduct</i>	-1.85	
<i>For >1,000 To 2,000, Deduct</i>	-2.77	
<i>For >2,000 To 5,000, Deduct</i>	-3.69	
<i>For >5,000, Deduct</i>	-4.62	
33 01 30 41-0042 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	23.60	
<i>For >250 To 500, Deduct</i>	-1.03	
<i>For >500 To 1,000, Deduct</i>	-2.06	
<i>For >1,000 To 2,000, Deduct</i>	-3.09	
<i>For >2,000 To 5,000, Deduct</i>	-4.12	
<i>For >5,000, Deduct</i>	-5.15	
33 01 30 41-0043 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	27.46	
<i>For >250 To 500, Deduct</i>	-1.19	
<i>For >500 To 1,000, Deduct</i>	-2.37	
<i>For >1,000 To 2,000, Deduct</i>	-3.56	
<i>For >2,000 To 5,000, Deduct</i>	-4.74	
<i>For >5,000, Deduct</i>	-5.93	
33 01 30 41-0044 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	35.91	
<i>For >250 To 500, Deduct</i>	-1.57	
<i>For >500 To 1,000, Deduct</i>	-3.14	
<i>For >1,000 To 2,000, Deduct</i>	-4.71	
<i>For >2,000 To 5,000, Deduct</i>	-6.28	
<i>For >5,000, Deduct</i>	-7.85	
33 01 30 41-0045 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	40.91	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500 To 1,000, Deduct</i>	-3.49	
<i>For >1,000 To 2,000, Deduct</i>	-5.23	
<i>For >2,000 To 5,000, Deduct</i>	-6.98	
<i>For >5,000, Deduct</i>	-8.72	
33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0047 EA Initial Set Up And Final Equipment Removal For Auguring	1,256.06	
33 01 30 41-0048 EA Move And Reset Up At Different Location	418.69	
33 01 30 41-0049 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	4.19	
<i>For >250 To 500, Deduct</i>	-0.21	
<i>For >500 To 1,000, Deduct</i>	-0.42	
<i>For >1,000 To 2,000, Deduct</i>	-0.63	
<i>For >2,000 To 5,000, Deduct</i>	-0.84	
<i>For >5,000, Deduct</i>	-1.05	
33 01 30 41-0050 LF 6" Diameter Pipe Line Auguring/Rod Out	5.41	
<i>For >250 To 500, Deduct</i>	-0.27	
<i>For >500 To 1,000, Deduct</i>	-0.54	
<i>For >1,000 To 2,000, Deduct</i>	-0.81	
<i>For >2,000 To 5,000, Deduct</i>	-1.08	
<i>For >5,000, Deduct</i>	-1.35	
33 01 30 41-0051 LF 8" Diameter Pipe Line Auguring/Rod Out	6.28	
<i>For >250 To 500, Deduct</i>	-0.31	
<i>For >500 To 1,000, Deduct</i>	-0.63	
<i>For >1,000 To 2,000, Deduct</i>	-0.94	
<i>For >2,000 To 5,000, Deduct</i>	-1.26	
<i>For >5,000, Deduct</i>	-1.57	
33 01 30 41-0052 LF 10" Diameter Pipe Line Auguring/Rod Out	7.30	
<i>For >250 To 500, Deduct</i>	-0.37	
<i>For >500 To 1,000, Deduct</i>	-0.73	
<i>For >1,000 To 2,000, Deduct</i>	-1.10	
<i>For >2,000 To 5,000, Deduct</i>	-1.46	
<i>For >5,000, Deduct</i>	-1.83	
33 01 30 41-0053 LF 12" Diameter Pipe Line Auguring/Rod Out	7.85	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 1,000, Deduct</i>	-0.79	
<i>For >1,000 To 2,000, Deduct</i>	-1.18	
<i>For >2,000 To 5,000, Deduct</i>	-1.57	
<i>For >5,000, Deduct</i>	-1.96	
33 01 30 41-0054 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	8.97	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500 To 1,000, Deduct</i>	-0.90	
<i>For >1,000 To 2,000, Deduct</i>	-1.35	
<i>For >2,000 To 5,000, Deduct</i>	-1.79	
<i>For >5,000, Deduct</i>	-2.24	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0055 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out	11.02	
For>250 To 500, Deduct	-0.55	
For>500 To 1,000, Deduct	-1.10	
For>1,000 To 2,000, Deduct	-1.65	
For>2,000 To 5,000, Deduct	-2.20	
For>5,000, Deduct	-2.76	
33 01 30 41-0056 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out	12.31	
For>250 To 500, Deduct	-0.62	
For>500 To 1,000, Deduct	-1.23	
For>1,000 To 2,000, Deduct	-1.85	
For>2,000 To 5,000, Deduct	-2.46	
For>5,000, Deduct	-3.08	
33 01 30 41-0057 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out	14.27	
For>250 To 500, Deduct	-0.71	
For>500 To 1,000, Deduct	-1.43	
For>1,000 To 2,000, Deduct	-2.14	
For>2,000 To 5,000, Deduct	-2.85	
For>5,000, Deduct	-3.57	
33 01 30 41-0058 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out	19.63	
For>250 To 500, Deduct	-0.98	
For>500 To 1,000, Deduct	-1.96	
For>1,000 To 2,000, Deduct	-2.94	
For>2,000 To 5,000, Deduct	-3.93	
For>5,000, Deduct	-4.91	
33 01 30 41-0059 LF >60" Diameter Pipe Line Auguring/Rod Out	20.94	
For>250 To 500, Deduct	-1.05	
For>500 To 1,000, Deduct	-2.09	
For>1,000 To 2,000, Deduct	-3.14	
For>2,000 To 5,000, Deduct	-4.19	
For>5,000, Deduct	-5.24	

33 01 30 42 Cleaning of Manholes (33 01 30)**33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)**

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Waste Water Drain	54.61	
33 01 30 42-0004 EA Rod Out Sewer Catch Basin	109.21	
33 01 30 42-0005 EA Up To 6" Diameter Pipe, Rod Out Blockage	21.84	
33 01 30 42-0006 EA 8" Diameter Pipe, Rod Out Blockage	24.03	
33 01 30 42-0007 EA 10" Diameter Pipe, Rod Out Blockage	27.30	
33 01 30 42-0008 EA 12" Diameter Pipe, Rod Out Blockage	31.67	
33 01 30 42-0009 EA >12" To 16" Diameter Pipe, Rod Out Blockage	37.13	
33 01 30 42-0010 EA >16" To 24" Diameter Pipe, Rod Out Blockage	43.69	
33 01 30 42-0011 EA >24" To 30" Diameter Pipe, Rod Out Blockage	51.33	
33 01 30 42-0012 EA >30" To 42" Diameter Pipe, Rod Out Blockage	58.97	
33 01 30 42-0013 EA >42" To 60" Diameter Pipe, Rod Out Blockage	68.81	
33 01 30 42-0014 EA >60" Diameter Pipe, Rod Out Blockage	81.91	
33 01 30 42-0015 EA Clean Out Debris From Entrance To Inlet Structure	273.04	
33 01 30 42-0016 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand	900.05	
For>10 To 100, Deduct	-135.01	
For>100 To 250, Deduct	-202.51	
For>250, Deduct	-270.02	
33 01 30 42-0017 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,080.05	
For>10 To 100, Deduct	-162.01	
For>100 To 250, Deduct	-243.01	
For>250, Deduct	-324.02	
33 01 30 42-0018 EA Clean Out Blocked Catch Basin By Hand	540.03	
For>10 To 100, Deduct	-81.00	
For>100 To 250, Deduct	-121.51	
For>250, Deduct	-162.01	

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020 EA Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	299.02	
33 01 30 42-0021 EA Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	277.90	
33 01 30 42-0022 EA Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	256.78	
33 01 30 42-0023 EA Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	235.65	
33 01 30 42-0024 EA Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	214.53	
33 01 30 42-0025 EA Jet/Vacuum Clean >250 Catch Basins Or Manholes	193.40	

33 01 30 43 Removal of Protruding Service Connection (33 01 30)**33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)**

33 01 30 43-0002 EA Trim Protruding Service Tap, 4", Robotic	754.09	
33 01 30 43-0003 EA Trim Protruding Service Tap, 6", Robotic	829.49	
33 01 30 43-0004 EA Trim Protruding Service Tap, 8", Robotic	904.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51 Maintenance of Utilities (33 01 30 51)

33 01 30 51-0001

Pipe Repair (33 01 30 51)

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002

Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	130.53
	<i>For Stainless Steel Nuts And Bolts, Add</i>	20.64
33 01 30 51-0004	EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	184.69
	<i>For Stainless Steel Nuts And Bolts, Add</i>	31.10
33 01 30 51-0005	EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	213.06
	<i>For Stainless Steel Nuts And Bolts, Add</i>	36.63
33 01 30 51-0006	EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	242.55
	<i>For Stainless Steel Nuts And Bolts, Add</i>	42.14
33 01 30 51-0007	EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	140.73
	<i>For Stainless Steel Nuts And Bolts, Add</i>	22.41
33 01 30 51-0008	EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	196.25
	<i>For Stainless Steel Nuts And Bolts, Add</i>	33.19
33 01 30 51-0009	EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	224.66
	<i>For Stainless Steel Nuts And Bolts, Add</i>	38.59
33 01 30 51-0010	EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	259.38
	<i>For Stainless Steel Nuts And Bolts, Add</i>	45.15
33 01 30 51-0011	EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	151.13
	<i>For Stainless Steel Nuts And Bolts, Add</i>	24.52
33 01 30 51-0012	EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	204.04
	<i>For Stainless Steel Nuts And Bolts, Add</i>	34.70
33 01 30 51-0013	EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	235.62
	<i>For Stainless Steel Nuts And Bolts, Add</i>	40.68
33 01 30 51-0014	EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	274.30
	<i>For Stainless Steel Nuts And Bolts, Add</i>	48.30
33 01 30 51-0015	EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	170.17
	<i>For Stainless Steel Nuts And Bolts, Add</i>	27.88
33 01 30 51-0016	EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	224.43
	<i>For Stainless Steel Nuts And Bolts, Add</i>	37.53
33 01 30 51-0017	EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	272.09
	<i>For Stainless Steel Nuts And Bolts, Add</i>	45.68
33 01 30 51-0018	EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	327.76
	<i>For Stainless Steel Nuts And Bolts, Add</i>	55.11
33 01 30 51-0019	EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	427.61
	<i>For Stainless Steel Nuts And Bolts, Add</i>	74.02
33 01 30 51-0020	EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	531.59
	<i>For Stainless Steel Nuts And Bolts, Add</i>	92.93
33 01 30 51-0021	EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	648.24
	<i>For Stainless Steel Nuts And Bolts, Add</i>	113.99
33 01 30 51-0022	EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	199.99
	<i>For Stainless Steel Nuts And Bolts, Add</i>	32.90
33 01 30 51-0023	EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	265.21
	<i>For Stainless Steel Nuts And Bolts, Add</i>	44.63
33 01 30 51-0024	EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	314.22
	<i>For Stainless Steel Nuts And Bolts, Add</i>	52.62
33 01 30 51-0025	EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	368.37
	<i>For Stainless Steel Nuts And Bolts, Add</i>	61.15
33 01 30 51-0026	EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	508.26
	<i>For Stainless Steel Nuts And Bolts, Add</i>	88.61
33 01 30 51-0027	EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	617.86
	<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06
33 01 30 51-0028	EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	737.93
	<i>For Stainless Steel Nuts And Bolts, Add</i>	129.12
33 01 30 51-0029	EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	262.24
	<i>For Stainless Steel Nuts And Bolts, Add</i>	39.36
33 01 30 51-0030	EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	340.33
	<i>For Stainless Steel Nuts And Bolts, Add</i>	52.08
33 01 30 51-0031	EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	410.68
	<i>For Stainless Steel Nuts And Bolts, Add</i>	63.02
33 01 30 51-0032	EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	490.53
	<i>For Stainless Steel Nuts And Bolts, Add</i>	75.10
33 01 30 51-0033	EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	649.39
	<i>For Stainless Steel Nuts And Bolts, Add</i>	104.04
33 01 30 51-0034	EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	776.68
	<i>For Stainless Steel Nuts And Bolts, Add</i>	124.41
33 01 30 51-0035	EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	920.26
	<i>For Stainless Steel Nuts And Bolts, Add</i>	146.43
33 01 30 51-0036	EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	306.23
	<i>For Stainless Steel Nuts And Bolts, Add</i>	47.90
33 01 30 51-0037	EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	410.52
	<i>For Stainless Steel Nuts And Bolts, Add</i>	66.26
33 01 30 51-0038	EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	483.75
	<i>For Stainless Steel Nuts And Bolts, Add</i>	77.47
33 01 30 51-0039	EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	593.15
	<i>For Stainless Steel Nuts And Bolts, Add</i>	95.82
33 01 30 51-0040	EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	776.93
	<i>For Stainless Steel Nuts And Bolts, Add</i>	129.97

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	885.56	
<i>For Stainless Steel Nuts And Bolts, Add</i>	145.27	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,137.36	
<i>For Stainless Steel Nuts And Bolts, Add</i>	191.65	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	348.81	
<i>For Stainless Steel Nuts And Bolts, Add</i>	54.03	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	454.80	
<i>For Stainless Steel Nuts And Bolts, Add</i>	71.86	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	548.91	
<i>For Stainless Steel Nuts And Bolts, Add</i>	86.96	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	674.81	
<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	866.54	
<i>For Stainless Steel Nuts And Bolts, Add</i>	142.72	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,019.62	
<i>For Stainless Steel Nuts And Bolts, Add</i>	166.67	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,293.78	
<i>For Stainless Steel Nuts And Bolts, Add</i>	216.11	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)		
Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	766.34	
<i>For Stainless Steel Nuts And Bolts, Add</i>	207.89	
33 01 30 51-0052 EA 14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,084.63	
<i>For Stainless Steel Nuts And Bolts, Add</i>	300.12	
33 01 30 51-0053 EA 14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,459.56	
<i>For Stainless Steel Nuts And Bolts, Add</i>	407.00	
33 01 30 51-0054 EA 14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,145.30	
<i>For Stainless Steel Nuts And Bolts, Add</i>	613.43	
33 01 30 51-0055 EA 15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	804.39	
<i>For Stainless Steel Nuts And Bolts, Add</i>	218.12	
33 01 30 51-0056 EA 15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,135.45	
<i>For Stainless Steel Nuts And Bolts, Add</i>	314.03	
33 01 30 51-0057 EA 15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,524.31	
<i>For Stainless Steel Nuts And Bolts, Add</i>	424.56	
33 01 30 51-0058 EA 15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,249.02	
<i>For Stainless Steel Nuts And Bolts, Add</i>	642.70	
33 01 30 51-0059 EA 15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	825.32	
<i>For Stainless Steel Nuts And Bolts, Add</i>	222.53	
33 01 30 51-0060 EA 15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,162.94	
<i>For Stainless Steel Nuts And Bolts, Add</i>	319.90	
33 01 30 51-0061 EA 15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,564.85	
<i>For Stainless Steel Nuts And Bolts, Add</i>	434.08	
33 01 30 51-0062 EA 15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,306.98	
<i>For Stainless Steel Nuts And Bolts, Add</i>	656.60	
33 01 30 51-0063 EA 16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	847.35	
<i>For Stainless Steel Nuts And Bolts, Add</i>	226.92	
33 01 30 51-0064 EA 16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,194.29	
<i>For Stainless Steel Nuts And Bolts, Add</i>	326.48	
33 01 30 51-0065 EA 16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,604.47	
<i>For Stainless Steel Nuts And Bolts, Add</i>	442.13	
33 01 30 51-0066 EA 16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,365.12	
<i>For Stainless Steel Nuts And Bolts, Add</i>	669.79	
33 01 30 51-0067 EA 17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	867.24	
<i>For Stainless Steel Nuts And Bolts, Add</i>	230.58	
33 01 30 51-0068 EA 17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,221.28	
<i>For Stainless Steel Nuts And Bolts, Add</i>	331.60	
33 01 30 51-0069 EA 17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,644.07	
<i>For Stainless Steel Nuts And Bolts, Add</i>	450.18	
33 01 30 51-0070 EA 17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,417.94	
<i>For Stainless Steel Nuts And Bolts, Add</i>	680.76	
33 01 30 51-0071 EA 17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	886.00	
<i>For Stainless Steel Nuts And Bolts, Add</i>	234.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0072 EA 17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,248.75	
<i>For Stainless Steel Nuts And Bolts, Add</i>	337.45	
33 01 30 51-0073 EA 17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,679.29	
<i>For Stainless Steel Nuts And Bolts, Add</i>	457.50	
33 01 30 51-0074 EA 17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,452.27	
<i>For Stainless Steel Nuts And Bolts, Add</i>	686.25	
33 01 30 51-0075 EA 18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	907.38	
<i>For Stainless Steel Nuts And Bolts, Add</i>	238.81	
33 01 30 51-0076 EA 18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,281.11	
<i>For Stainless Steel Nuts And Bolts, Add</i>	344.77	
33 01 30 51-0077 EA 18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,716.61	
<i>For Stainless Steel Nuts And Bolts, Add</i>	465.55	
33 01 30 51-0078 EA 18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,526.44	
<i>For Stainless Steel Nuts And Bolts, Add</i>	705.65	
33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling.....	112.57	
33 01 30 51-0083 EA 3/4" Copper Compression Repair Coupling.....	130.48	
33 01 30 51-0084 EA 1" Copper Compression Repair Coupling.....	153.54	
33 01 30 51-0085 EA 1-1/4" Copper Compression Repair Coupling.....	172.38	
33 01 30 51-0086 EA 1-1/2" Copper Compression Repair Coupling.....	272.60	
33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
33 01 30 51-0088 EA 1/2" Copper Compression Repair 90 Degree Elbow.....	137.93	
33 01 30 51-0089 EA 1" Copper Compression Repair 90 Degree Elbow.....	157.17	
33 01 30 51-0090 EA 1-1/2" Copper Compression Repair 90 Degree Elbow.....	330.24	
33 01 30 51-0091 EA 1" IPS x 1" CTS 90 Degree Plain End Street Elbow.....	123.22	
33 01 30 51-0092 EA 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow.....	111.48	
33 01 30 51-0093 EA 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	130.56	
33 01 30 51-0094 EA 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	163.22	
33 01 30 51-0095 Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
33 01 30 51-0096 EA 1/2" Copper Compression Repair Tee.....	257.44	
33 01 30 51-0097 EA 3/4" Copper Compression Repair Tee.....	191.21	
33 01 30 51-0098 EA 1" Copper Compression Repair Tee.....	227.67	
33 01 30 51-0099 EA 1" F x 1" M x 1" CTS Street Tee.....	182.72	
33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101 EA 3/4" M x 1/2" CTS Male Adapter.....	120.19	
33 01 30 51-0102 EA 3/4" M x 3/4" CTS Male Adapter.....	93.99	
33 01 30 51-0103 EA 1" M x 1" CTS Male Adapter.....	105.52	
33 01 30 51-0104 EA 1-1/4" M x 1" CTS Male Adapter.....	126.23	
33 01 30 51-0105 EA 1-1/4" M x 1-1/4" CTS Male Adapter.....	154.74	
33 01 30 51-0106 EA 1-1/2" M x 1" CTS Male Adapter.....	167.53	
33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
33 01 30 51-0108 EA 3/4" M x 3/4" CTS Female Adapter.....	142.15	
33 01 30 51-0109 EA 1" M x 1" CTS Female Adapter.....	148.21	
33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)		
Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)		
Note: Includes gaskets.		
33 01 30 51-0112 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	75.48	
33 01 30 51-0113 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	75.43	
33 01 30 51-0114 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring.....	84.69	
33 01 30 51-0115 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring.....	94.05	
33 01 30 51-0116 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....	116.12	
33 01 30 51-0117 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring.....	141.45	
33 01 30 51-0118 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	77.72	
33 01 30 51-0119 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	77.92	
33 01 30 51-0120 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	85.07	
33 01 30 51-0121 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....	95.21	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0122	EA		1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	119.90	
33 01 30 51-0123	EA		2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	143.11	
33 01 30 51-0124	EA		3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	152.66	
33 01 30 51-0125	EA		1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	178.63	
33 01 30 51-0126	EA		1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	185.05	
33 01 30 51-0127	EA		1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	206.93	
33 01 30 51-0128	EA		2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	251.99	
33 01 30 51-0129			Reducing Couplings For Steel Pipe (Compression) <small>(33 01 30 51-0110)</small>		
			Note: Includes armored gaskets.		
33 01 30 51-0130	EA		3/4" x 1/2" Reducing Coupling (Compression).....	82.95	
33 01 30 51-0131	EA		1" x 3/4" Reducing Coupling (Compression).....	87.14	
33 01 30 51-0132	EA		1-1/4" x 3/4" Reducing Coupling (Compression).....	98.16	
33 01 30 51-0133	EA		1-1/4" x 1" Reducing Coupling (Compression).....	102.31	
33 01 30 51-0134	EA		1-1/2" x 3/4" Reducing Coupling (Compression).....	202.78	
33 01 30 51-0135	EA		1-1/2" x 1" Reducing Coupling (Compression).....	122.56	
33 01 30 51-0136	EA		1-1/2" x 1-1/4" Reducing Coupling (Compression).....	123.14	
33 01 30 51-0137	EA		2" x 3/4" Reducing Coupling (Compression).....	242.11	
33 01 30 51-0138	EA		2" x 1" Reducing Coupling (Compression).....	219.07	
33 01 30 51-0139	EA		2" x 1-1/4" Reducing Coupling (Compression).....	164.24	
33 01 30 51-0140	EA		2" x 1-1/2" Reducing Coupling (Compression).....	163.63	
33 01 30 51-0141			Steel Compression Repair Fittings, Elbows <small>(33 01 30 51-0110)</small>		
			Note: Includes armored gaskets.		
33 01 30 51-0142	EA		1" 45 Degree Elbow (Compression).....	140.03	
33 01 30 51-0143	EA		1-1/4" 45 Degree Elbow (Compression)	145.17	
33 01 30 51-0144	EA		1-1/2" 45 Degree Elbow (Compression)	187.87	
33 01 30 51-0145	EA		2" 45 Degree Elbow (Compression).....	237.81	
33 01 30 51-0146	EA		3/4" 90 Degree Elbow (Compression).....	92.51	
33 01 30 51-0147	EA		1" 90 Degree Elbow (Compression).....	95.14	
33 01 30 51-0148	EA		1-1/4" 90 Degree Elbow (Compression)	111.64	
33 01 30 51-0149	EA		1-1/2" 90 Degree Elbow (Compression)	160.68	
33 01 30 51-0150	EA		2" 90 Degree Elbow (Compression).....	174.94	
33 01 30 51-0151	EA		3/4" Plain End 90 Degree Street Elbow (Compression).....	92.82	
33 01 30 51-0152	EA		1" Plain End 90 Degree Street Elbow (Compression).....	80.20	
33 01 30 51-0153	EA		1-1/4" Plain End 90 Degree Street Elbow (Compression).....	90.49	
33 01 30 51-0154	EA		1-1/2" Plain End 90 Degree Street Elbow (Compression).....	114.58	
33 01 30 51-0155	EA		2" Plain End 90 Degree Street Elbow (Compression).....	148.86	
33 01 30 51-0156	EA		3/4" Threaded End 90 Degree Street Elbow (Compression)	96.07	
33 01 30 51-0157	EA		1" Threaded End 90 Degree Street Elbow (Compression)	86.28	
33 01 30 51-0158	EA		1-1/4" Threaded End 90 Degree Street Elbow (Compression)	113.08	
33 01 30 51-0159	EA		1-1/2" Threaded End 90 Degree Street Elbow (Compression)	136.13	
33 01 30 51-0160	EA		2" Threaded End 90 Degree Street Elbow (Compression)	194.97	
33 01 30 51-0161			Steel Compression Repair Fittings, Tees <small>(33 01 30 51-0110)</small>		
			Note: Includes armored gaskets.		
33 01 30 51-0162	EA		3/4" Street Tee (Compression)	99.57	
33 01 30 51-0163	EA		1" Street Tee (Compression)	117.28	
33 01 30 51-0164	EA		1-1/4" Street Tee (Compression)	117.25	
33 01 30 51-0165	EA		1-1/2" Street Tee (Compression)	134.34	
33 01 30 51-0166	EA		2" Street Tee (Compression)	207.53	
33 01 30 51-0167	EA		1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression).....	116.08	
33 01 30 51-0168	EA		1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	121.97	
33 01 30 51-0169	EA		1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....	152.79	
33 01 30 51-0170	EA		1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....	179.39	
33 01 30 51-0171	EA		1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....	180.57	
33 01 30 51-0172	EA		1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....	150.28	
33 01 30 51-0173	EA		2" x 1-1/4" x 2" Reducing Street Tee (Compression).....	201.78	
33 01 30 51-0174	EA		2" x 1-1/2" x 2" Reducing Street Tee (Compression).....	231.34	
33 01 30 51-0175	EA		3/4" Welding Street Tee (Compression)	188.24	
33 01 30 51-0176	EA		1" Welding Street Tee (Compression)	187.47	
33 01 30 51-0177	EA		1-1/4" Welding Street Tee (Compression)	200.43	
33 01 30 51-0178	EA		1-1/2" Welding Street Tee (Compression)	240.74	
33 01 30 51-0179	EA		2" Welding Street Tee (Compression)	326.21	
33 01 30 51-0180	EA		3/4" Regular Tee (Compression)	136.65	
33 01 30 51-0181	EA		1" Regular Tee (Compression)	243.74	
33 01 30 51-0182	EA		1-1/4" Regular Tee (Compression)	256.59	
33 01 30 51-0183	EA		1-1/2" Regular Tee (Compression)	273.68	
33 01 30 51-0184	EA		2" Regular Tee (Compression)	302.27	
33 01 30 51-0185	EA		2" x 2" x 1-1/4" Regular Reducing Tee (Compression).....	297.53	
33 01 30 51-0186			Steel Compression Repair Fittings, Male Adapters <small>(33 01 30 51-0110)</small>		
			Note: Includes armored gaskets.		
33 01 30 51-0187	EA		3/4" Male Adapter (Compression).....	92.24	
33 01 30 51-0188	EA		1" Male Adapter (Compression).....	102.51	
33 01 30 51-0189	EA		1-1/4" Male Adapter (Compression).....	134.68	
33 01 30 51-0190	EA		1-1/2" Male Adapter (Compression).....	151.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0191 EA 2" Male Adapter (Compression).....	169.99	
33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression)	133.92	
 33 01 30 51-0193		
Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)		
Note: Includes armored gaskets.		
33 01 30 51-0194 EA 3/4" Line Caps (Compression).....	49.76	
33 01 30 51-0195 EA 1" Line Caps (Compression).....	57.92	
33 01 30 51-0196 EA 1-1/4" Line Caps (Compression).....	66.22	
33 01 30 51-0197 EA 1-1/2" Line Caps (Compression).....	77.67	
33 01 30 51-0198 EA 2" Line Caps (Compression).....	96.07	
 33 01 30 51-0199		
Couplings For Steel Pipe (33 01 30 51-0079)		
Note: Includes Buna S gasket. Dresser style 38		
33 01 30 51-0200 EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	73.38	
33 01 30 51-0201 EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	90.43	
33 01 30 51-0202 EA 1" Coupling, 5" Middle Ring With Buna S Gasket.....	103.41	
33 01 30 51-0203 EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket.....	122.70	
33 01 30 51-0204 EA 2" Coupling, 4" Middle Ring With Buna S Gasket.....	151.75	
33 01 30 51-0205 EA 2" Coupling, 5" Middle Ring With Buna S Gasket.....	203.70	
33 01 30 51-0206 EA 2" Coupling, 7" Middle Ring With Buna S Gasket.....	190.77	
33 01 30 51-0207 EA 3" Coupling, 4" Middle Ring With Buna S Gasket.....	248.34	
33 01 30 51-0208 EA 3" Coupling, 5" Middle Ring With Buna S Gasket.....	256.16	
33 01 30 51-0209 EA 3" Coupling, 7" Middle Ring With Buna S Gasket.....	263.99	
33 01 30 51-0210 EA 4" Coupling, 4" Middle Ring With Buna S Gasket.....	286.42	
33 01 30 51-0211 EA 4" Coupling, 5" Middle Ring With Buna S Gasket.....	299.70	
33 01 30 51-0212 EA 4" Coupling, 7" Middle Ring With Buna S Gasket.....	316.35	
33 01 30 51-0213 EA 5" Coupling, 4" Middle Ring With Buna S Gasket.....	372.12	
33 01 30 51-0214 EA 5" Coupling, 5" Middle Ring With Buna S Gasket.....	377.36	
33 01 30 51-0215 EA 5" Coupling, 7" Middle Ring With Buna S Gasket.....	396.46	
33 01 30 51-0216 EA 6" Coupling, 4" Middle Ring With Buna S Gasket.....	395.55	
33 01 30 51-0217 EA 6" Coupling, 5" Middle Ring With Buna S Gasket.....	409.73	
33 01 30 51-0218 EA 6" Coupling, 7" Middle Ring With Buna S Gasket.....	427.84	
33 01 30 51-0219 EA 8" Coupling, 4" Middle Ring With Buna S Gasket.....	461.21	
33 01 30 51-0220 EA 8" Coupling, 5" Middle Ring With Buna S Gasket.....	482.18	
33 01 30 51-0221 EA 8" Coupling, 7" Middle Ring With Buna S Gasket.....	499.39	
33 01 30 51-0222 EA 10" Coupling, 5" Middle Ring With Buna S Gasket.....	570.57	
33 01 30 51-0223 EA 10" Coupling, 7" Middle Ring With Buna S Gasket.....	669.55	
33 01 30 51-0224 EA 12" Coupling, 5" Middle Ring With Buna S Gasket.....	648.69	
33 01 30 51-0225 EA 12" Coupling, 7" Middle Ring With Buna S Gasket.....	858.50	
33 01 30 51-0226 EA 14" Coupling, 7" Middle Ring With Buna S Gasket.....	994.50	
33 01 30 51-0227 EA 16" Coupling, 7" Middle Ring With Buna S Gasket.....	1,192.43	
33 01 30 51-0228 EA 18" Coupling, 7" Middle Ring With Buna S Gasket.....	1,312.67	
33 01 30 51-0229 EA 20" Coupling, 7" Middle Ring With Buna S Gasket.....	1,417.26	
33 01 30 51-0230 EA 22" Coupling, 7" Middle Ring With Buna S Gasket.....	1,783.96	
33 01 30 51-0231 EA 24" Coupling, 7" Middle Ring With Buna S Gasket.....	1,876.81	
 33 01 30 51-0232		
Couplings For Steel Pipe (33 01 30 51-0079)		
Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0233 EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	75.63	
33 01 30 51-0234 EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	90.12	
33 01 30 51-0235 EA 1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	103.27	
33 01 30 51-0236 EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	121.66	
33 01 30 51-0237 EA 2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	181.60	
33 01 30 51-0238 EA 2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	177.49	
33 01 30 51-0239 EA 2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	179.55	
33 01 30 51-0240 EA 3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	263.99	
33 01 30 51-0241 EA 3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	271.81	
33 01 30 51-0242 EA 3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	279.63	
33 01 30 51-0243 EA 4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	307.74	
33 01 30 51-0244 EA 4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	293.95	
33 01 30 51-0245 EA 4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	301.21	
33 01 30 51-0246 EA 5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	399.59	
33 01 30 51-0247 EA 5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	403.42	
33 01 30 51-0248 EA 5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	580.91	
33 01 30 51-0249 EA 6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	403.94	
33 01 30 51-0250 EA 6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	424.30	
33 01 30 51-0251 EA 6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	432.16	
33 01 30 51-0252 EA 8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	506.73	
33 01 30 51-0253 EA 8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	514.45	
33 01 30 51-0254 EA 8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	526.91	
33 01 30 51-0255 EA 10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	589.35	
33 01 30 51-0256 EA 10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	689.11	
33 01 30 51-0257 EA 12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	668.25	
33 01 30 51-0258 EA 12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	877.63	
33 01 30 51-0259 EA 14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,014.06	
33 01 30 51-0260 EA 16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,221.78	
33 01 30 51-0261 EA 18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,351.80	
33 01 30 51-0262 EA 20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,456.39	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,823.08	
	33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,915.94	
33 01 30 51-0265 Couplings For Steel Pipe (33 01 30 51-0079)					
Note: Includes Buna N gasket, protected. Dresser style 38.					
	33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected.....	89.54	
	33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	104.28	
	33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	119.88	
	33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	143.24	
	33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	181.60	
	33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	216.54	
	33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	228.16	
	33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	263.99	
	33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	271.81	
	33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	279.63	
	33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	307.74	
	33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	335.63	
	33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	346.24	
	33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	399.59	
	33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	403.42	
	33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	448.22	
	33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	403.94	
	33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	424.30	
	33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	432.16	
	33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	506.73	
	33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	514.45	
	33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	526.91	
	33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	589.35	
	33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	689.11	
	33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	668.25	
	33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	877.63	
	33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,014.06	
	33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,192.43	
	33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,351.80	
	33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,456.39	
	33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,823.08	
	33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,915.94	
33 01 30 51-0298 Couplings For Steel Pipe (33 01 30 51-0079)					
Note: Includes high temperature carded glass gasket, protected. Dresser style 38.					
	33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	153.36	
	33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	164.75	
	33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	170.60	
	33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	264.34	
	33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	285.74	
	33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	296.64	
	33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	339.39	
	33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	336.93	
	33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	374.76	
	33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	385.36	
	33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	524.89	
	33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	538.96	
	33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	557.04	
	33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	566.37	
	33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	573.84	
	33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	713.84	
	33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	770.94	
	33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	784.16	
	33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	783.96	
	33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	1,001.46	
	33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,044.45	
	33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,210.53	
	33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,524.62	
	33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,484.81	
	33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,657.86	
	33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,797.65	
	33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,955.06	
33 01 30 51-0326 Grind Offset Joint (33 01 30 51-0001)					
	33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint.....	452.46	
	33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint.....	603.27	
	33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint.....	754.09	
	33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint.....	904.90	
33 01 30 51-0331 Pipe Plugging (33 01 30 51-0001)					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0332			Gravity Bladder Type, Temporary Pipe Plugging <small>(33 01 30 51-0331)</small>		
<small>Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.</small>					
33 01 30 51-0333	EA		3/4" Bladder Type, Temporary Pipe Plug.....	79.58	
33 01 30 51-0334	EA		1" Bladder Type, Temporary Pipe Plug.....	85.12	
33 01 30 51-0335	EA		1-1/4" Bladder Type, Temporary Pipe Plug.....	91.70	
33 01 30 51-0336	EA		1-1/2" Bladder Type, Temporary Pipe Plug.....	97.87	
33 01 30 51-0337	EA		2" Bladder Type, Temporary Pipe Plug.....	103.83	
33 01 30 51-0338	EA		2-1/2" Bladder Type, Temporary Pipe Plug.....	110.39	
33 01 30 51-0339	EA		3" Bladder Type, Temporary Pipe Plug.....	118.54	
33 01 30 51-0340	EA		4" Bladder Type, Temporary Pipe Plug.....	130.34	
33 01 30 51-0341	EA		5" Bladder Type, Temporary Pipe Plug.....	141.28	
33 01 30 51-0342	EA		6" Bladder Type, Temporary Pipe Plug.....	157.69	
33 01 30 51-0343	EA		8" Bladder Type, Temporary Pipe Plug.....	175.01	
33 01 30 51-0344	EA		10" Bladder Type, Temporary Pipe Plug.....	202.89	
33 01 30 51-0345	EA		12" Bladder Type, Temporary Pipe Plug.....	235.94	
33 01 30 51-0346	EA		14" Bladder Type, Temporary Pipe Plug.....	281.08	
33 01 30 51-0347	EA		16" Bladder Type, Temporary Pipe Plug.....	338.74	
33 01 30 51-0348	EA		18" Bladder Type, Temporary Pipe Plug.....	407.99	
33 01 30 51-0349	EA		20" Bladder Type, Temporary Pipe Plug.....	485.15	
33 01 30 51-0350	EA		24" Bladder Type, Temporary Pipe Plug.....	559.66	

33 01 30 51-0351			Hydra Stop, Hot Tapping Of Pressure Pipe <small>(33 01 30 51-0331)</small>		
<small>Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.</small>					
33 01 30 51-0352	EA		2" Hydra Stop, Line Stopper.....	2,773.46	
33 01 30 51-0353	EA		2-1/2" Hydra Stop, Line Stopper.....	3,480.22	
33 01 30 51-0354	EA		3" Hydra Stop, Line Stopper.....	4,267.34	
33 01 30 51-0355	EA		4" Hydra Stop, Line Stopper.....	5,145.09	
33 01 30 51-0356	EA		5" Hydra Stop, Line Stopper.....	5,795.12	
33 01 30 51-0357	EA		6" Hydra Stop, Line Stopper.....	6,827.31	
33 01 30 51-0358	EA		8" Hydra Stop, Line Stopper.....	7,477.34	
33 01 30 51-0359	EA		10" Hydra Stop, Line Stopper.....	8,509.50	
33 01 30 51-0360	EA		12" Hydra Stop, Line Stopper.....	9,541.69	
33 01 30 51-0361	EA		14" Hydra Stop, Line Stopper.....	10,640.81	
33 01 30 51-0362	EA		16" Hydra Stop, Line Stopper.....	12,141.84	
33 01 30 51-0363	EA		18" Hydra Stop, Line Stopper.....	13,843.77	
33 01 30 51-0364	EA		20" Hydra Stop, Line Stopper.....	16,483.20	

33 01 30 51-0365			Aluminum Expansion Plugs <small>(33 01 30 51-0331)</small>		
<small>Note: For use with PVC, clay Or cast iron drainage pipe.</small>					
33 01 30 51-0366	EA		3" Pipe Aluminum Expansion Plug.....	78.06	
33 01 30 51-0367	EA		4" Pipe Aluminum Expansion Plug.....	112.65	
33 01 30 51-0368	EA		5" Pipe Aluminum Expansion Plug.....	127.00	
33 01 30 51-0369	EA		6" Pipe Aluminum Expansion Plug.....	193.31	
33 01 30 51-0370	EA		8" Pipe Aluminum Expansion Plug.....	198.61	
33 01 30 51-0371	EA		10" Pipe Aluminum Expansion Plug.....	248.65	
33 01 30 51-0372	EA		12" Pipe Aluminum Expansion Plug.....	336.63	
33 01 30 51-0373	EA		14" Pipe Aluminum Expansion Plug.....	544.34	
33 01 30 51-0374	EA		15" Pipe Aluminum Expansion Plug.....	589.61	

33 01 30 51-0375			Pipe Repair Clamp, Stainless Steel, 3" Long <small>(33 01 30 51-0001)</small>		
33 01 30 51-0376	EA		1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	172.36	
33 01 30 51-0377	EA		3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	172.91	
33 01 30 51-0378	EA		1" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	174.27	
33 01 30 51-0379	EA		1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	175.62	
33 01 30 51-0380	EA		1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	176.30	
33 01 30 51-0381	EA		2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	178.34	
33 01 30 51-0382	EA		2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	180.38	
33 01 30 51-0383	EA		3" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	183.09	
33 01 30 51-0384	EA		4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	316.64	
33 01 30 51-0385	EA		6" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	325.47	
33 01 30 51-0386	EA		8" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	331.58	
33 01 30 51-0387	EA		10" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	396.10	
33 01 30 51-0388	EA		12" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	404.25	
33 01 30 51-0389	EA		14" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	409.68	
33 01 30 51-0390	EA		16" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	417.83	
33 01 30 51-0391	EA		18" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	425.98	
33 01 30 51-0392	EA		20" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	436.85	
33 01 30 51-0393	EA		24" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	455.87	

33 01 30 51-0394			Polyseal Pipe Coupler <small>(33 01 30 51-0001)</small>		
33 01 30 51-0395	EA		18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	352.73	
33 01 30 51-0396	EA		24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	398.26	

33 01 30 63 Sewer and Pipe Joint Sealing (33 01 30)

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 63-0001 Joint Air Test (33 01 30 63)

33 01 30 63-0002 EA 4" To 8", Joint Air Test.....	105.22	
33 01 30 63-0003 EA 10" To 15", Joint Air Test.....	122.75	
33 01 30 63-0004 EA >15" To 21", Joint Air Test.....	140.29	
33 01 30 63-0005 EA >21" To 24", Joint Air Test.....	175.37	
33 01 30 63-0006 EA >24" To 27", Joint Air Test.....	210.44	
33 01 30 63-0007 EA >27" To 36", Joint Air Test.....	245.51	

33 01 30 63-0008 Joint Seal And Joint Air Retest (33 01 30 63)

Note: Includes grout.

33 01 30 63-0009 EA 4" Joint Seal And Joint Air Retest.....	316.69	
Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010 EA 6" Joint Seal And Joint Air Retest.....	351.77	
Note: Includes 1 gallon of grout.		
33 01 30 63-0011 EA 8" Joint Seal And Joint Air Retest.....	422.97	
Note: Includes 2 gallons of grout.		
33 01 30 63-0012 EA 10" Joint Seal And Joint Air Retest.....	476.09	
Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013 EA 12" Joint Seal And Joint Air Retest.....	529.22	
Note: Includes 3 gallons of grout.		
33 01 30 63-0014 EA 15" Joint Seal And Joint Air Retest.....	626.45	
Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015 EA 18" Joint Seal And Joint Air Retest.....	723.68	
Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016 EA 21" Joint Seal And Joint Air Retest.....	820.91	
Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017 EA 24" Joint Seal And Joint Air Retest.....	953.22	
Note: Includes 6 gallons of grout.		
33 01 30 63-0018 EA 27" Joint Seal And Joint Air Retest.....	1,085.52	
Note: Includes 6.75 gallons of grout.		
33 01 30 63-0019 EA 30" Joint Seal And Joint Air Retest.....	1,252.91	
Note: Includes 7.5 gallons of grout.		
33 01 30 63-0020 EA 36" Joint Seal And Joint Air Retest.....	1,447.37	
Note: Includes 9 gallons of grout.		
33 01 30 63-0021 GAL Extra Grout Per Joint.....	176.40	
Note: For extra grout per joint required over listed amount.		

33 01 30 70 Rehabilitation of Sewer Utilities (33 01 30)

33 01 30 70-0001 Cementitious Pipe Coatings By Hand (33 01 30 70)

Note: To be used on repair areas to install the coating on the exposed portion of the pipe.

33 01 30 70-0002 SF Up To 1" Thick Cementitious Coating On Pipe, Troweled On.....	10.03	
33 01 30 70-0003 SF >1" To 2" Thick Cementitious Coating On Pipe, Troweled On.....	15.20	

33 01 30 71 Relining Sewers (33 01 30)

33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 71-0002 Lining Pipe With Rib Loc (33 01 30 71-0001)

33 01 30 71-0003 LF Lining 6" Pipe With Rib Loc.....	49.16	
For >500 To 1,000, Deduct	-1.23	
For >1,000 To 2,000, Deduct	-2.41	
For >2,000 To 5,000, Deduct	-3.70	
For >5,000, Deduct	-5.54	
33 01 30 71-0004 LF Lining 8" Pipe With Rib Loc.....	54.73	
For >500 To 1,000, Deduct	-1.37	
For >1,000 To 2,000, Deduct	-2.67	
For >2,000 To 5,000, Deduct	-4.10	
For >5,000, Deduct	-6.15	
33 01 30 71-0005 LF Lining 10" Pipe With Rib Loc.....	76.27	
For >500 To 1,000, Deduct	-1.82	
For >1,000 To 2,000, Deduct	-3.57	
For >2,000 To 5,000, Deduct	-5.47	
For >5,000, Deduct	-8.37	
33 01 30 71-0006 LF Lining 12" Pipe With Rib Loc.....	97.40	
For >500 To 1,000, Deduct	-2.27	
For >1,000 To 2,000, Deduct	-4.47	
For >2,000 To 5,000, Deduct	-6.82	
For >5,000, Deduct	-10.56	
33 01 30 71-0007 LF Lining 15" Pipe With Rib Loc.....	130.04	
For >500 To 1,000, Deduct	-2.97	
For >1,000 To 2,000, Deduct	-5.85	
For >2,000 To 5,000, Deduct	-8.92	
For >5,000, Deduct	-13.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0008 LF Lining 18" Pipe With Rib Loc	168.11	
<i>For >500 To 1,000, Deduct</i>	-3.78	
<i>For >1,000 To 2,000, Deduct</i>	-7.46	
<i>For >2,000 To 5,000, Deduct</i>	-11.34	
<i>For >5,000, Deduct</i>	-17.86	
33 01 30 71-0009 LF Lining 21" Pipe With Rib Loc	211.54	
<i>For >500 To 1,000, Deduct</i>	-4.68	
<i>For >1,000 To 2,000, Deduct</i>	-9.26	
<i>For >2,000 To 5,000, Deduct</i>	-14.05	
<i>For >5,000, Deduct</i>	-22.29	
33 01 30 71-0010 LF Lining 24" Pipe With Rib Loc	262.18	
<i>For >500 To 1,000, Deduct</i>	-5.74	
<i>For >1,000 To 2,000, Deduct</i>	-11.35	
<i>For >2,000 To 5,000, Deduct</i>	-17.21	
<i>For >5,000, Deduct</i>	-27.45	
33 01 30 71-0011 LF Lining 27" Pipe With Rib Loc	314.36	
<i>For >500 To 1,000, Deduct</i>	-6.83	
<i>For >1,000 To 2,000, Deduct</i>	-13.53	
<i>For >2,000 To 5,000, Deduct</i>	-20.49	
<i>For >5,000, Deduct</i>	-32.80	
33 01 30 71-0012 LF Lining 30" Pipe With Rib Loc	373.21	
<i>For >500 To 1,000, Deduct</i>	-8.07	
<i>For >1,000 To 2,000, Deduct</i>	-15.99	
<i>For >2,000 To 5,000, Deduct</i>	-24.21	
<i>For >5,000, Deduct</i>	-38.83	
33 01 30 71-0013 LF Lining 36" Pipe With Rib Loc	476.46	
<i>For >500 To 1,000, Deduct</i>	-10.21	
<i>For >1,000 To 2,000, Deduct</i>	-20.25	
<i>For >2,000 To 5,000, Deduct</i>	-30.63	
<i>For >5,000, Deduct</i>	-49.35	
33 01 30 71-0014 LF Lining 42" Pipe With Rib Loc	593.79	
<i>For >500 To 1,000, Deduct</i>	-12.65	
<i>For >1,000 To 2,000, Deduct</i>	-25.11	
<i>For >2,000 To 5,000, Deduct</i>	-37.96	
<i>For >5,000, Deduct</i>	-61.32	
33 01 30 71-0015 LF Lining 48" Pipe With Rib Loc	727.09	
<i>For >500 To 1,000, Deduct</i>	-15.45	
<i>For >1,000 To 2,000, Deduct</i>	-30.67	
<i>For >2,000 To 5,000, Deduct</i>	-46.35	
<i>For >5,000, Deduct</i>	-74.98	
33 01 30 71-0016 LF Lining 54" Pipe With Rib Loc	859.73	
<i>For >500 To 1,000, Deduct</i>	-18.28	
<i>For >1,000 To 2,000, Deduct</i>	-36.29	
<i>For >2,000 To 5,000, Deduct</i>	-54.85	
<i>For >5,000, Deduct</i>	-88.69	
33 01 30 71-0017 LF Lining 60" Pipe With Rib Loc	1,013.75	
<i>For >500 To 1,000, Deduct</i>	-21.76	
<i>For >1,000 To 2,000, Deduct</i>	-43.15	
<i>For >2,000 To 5,000, Deduct</i>	-65.28	
<i>For >5,000, Deduct</i>	-105.09	
33 01 30 71-0018 LF Lining 66" Pipe With Rib Loc	1,201.79	
<i>For >500 To 1,000, Deduct</i>	-26.37	
<i>For >1,000 To 2,000, Deduct</i>	-52.15	
<i>For >2,000 To 5,000, Deduct</i>	-79.10	
<i>For >5,000, Deduct</i>	-126.01	
33 01 30 71-0019 LF Lining 72" Pipe With Rib Loc	1,447.06	
<i>For >500 To 1,000, Deduct</i>	-33.02	
<i>For >1,000 To 2,000, Deduct</i>	-65.02	
<i>For >2,000 To 5,000, Deduct</i>	-99.07	
<i>For >5,000, Deduct</i>	-154.91	
33 01 30 71-0020 Lining Pipe, Spray Applied With Structural Polyurethane <small>(33 01 30 71-0001)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0021 Mobilization And Setup For Spray Applied Structural Polyurethane Lining <small>(33 01 30 71-0020)</small>		
33 01 30 71-0022 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,885.88	
33 01 30 71-0023 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0024 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	59.65	
<i>For Up To 75, Add</i>	12.95	
<i>For >75 To 150, Add</i>	5.97	
<i>For >500 To 1,000, Deduct</i>	-1.60	
<i>For >1,000 To 2,000, Deduct</i>	-3.10	
<i>For >2,000 To 5,000, Deduct</i>	-4.80	
<i>For >5,000, Deduct</i>	-6.98	
33 01 30 71-0025 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	69.60	
<i>For Up To 75, Add</i>	15.11	
<i>For >75 To 150, Add</i>	6.96	
<i>For >500 To 1,000, Deduct</i>	-1.87	
<i>For >1,000 To 2,000, Deduct</i>	-3.61	
<i>For >2,000 To 5,000, Deduct</i>	-5.60	
<i>For >5,000, Deduct</i>	-8.15	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0026 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	79.54	
For Up To 75, Add	17.26	
For >75 To 150, Add	7.95	
For >500 To 1,000, Deduct	-2.13	
For >1,000 To 2,000, Deduct	-4.13	
For >2,000 To 5,000, Deduct	-6.40	
For >5,000, Deduct	-9.31	
33 01 30 71-0027 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	89.48	
For Up To 75, Add	19.42	
For >75 To 150, Add	8.95	
For >500 To 1,000, Deduct	-2.40	
For >1,000 To 2,000, Deduct	-4.65	
For >2,000 To 5,000, Deduct	-7.20	
For >5,000, Deduct	-10.47	
33 01 30 71-0028 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	99.42	
For Up To 75, Add	21.58	
For >75 To 150, Add	9.94	
For >500 To 1,000, Deduct	-2.67	
For >1,000 To 2,000, Deduct	-5.16	
For >2,000 To 5,000, Deduct	-8.00	
For >5,000, Deduct	-11.64	
33 01 30 71-0029 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	109.36	
For Up To 75, Add	23.74	
For >75 To 150, Add	10.94	
For >500 To 1,000, Deduct	-2.93	
For >1,000 To 2,000, Deduct	-5.68	
For >2,000 To 5,000, Deduct	-8.80	
For >5,000, Deduct	-12.80	
33 01 30 71-0030 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	119.31	
For Up To 75, Add	25.90	
For >75 To 150, Add	11.93	
For >500 To 1,000, Deduct	-3.20	
For >1,000 To 2,000, Deduct	-6.20	
For >2,000 To 5,000, Deduct	-9.60	
For >5,000, Deduct	-13.97	
33 01 30 71-0031 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	129.24	
For Up To 75, Add	28.05	
For >75 To 150, Add	12.92	
For >500 To 1,000, Deduct	-3.47	
For >1,000 To 2,000, Deduct	-6.71	
For >2,000 To 5,000, Deduct	-10.40	
For >5,000, Deduct	-15.13	
33 01 30 71-0032 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	139.19	
For Up To 75, Add	30.21	
For >75 To 150, Add	13.92	
For >500 To 1,000, Deduct	-3.73	
For >1,000 To 2,000, Deduct	-7.23	
For >2,000 To 5,000, Deduct	-11.20	
For >5,000, Deduct	-16.29	
33 01 30 71-0033 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	149.13	
For Up To 75, Add	32.37	
For >75 To 150, Add	14.91	
For >500 To 1,000, Deduct	-4.00	
For >1,000 To 2,000, Deduct	-7.75	
For >2,000 To 5,000, Deduct	-12.00	
For >5,000, Deduct	-17.46	
33 01 30 71-0034 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	159.06	
For Up To 75, Add	34.52	
For >75 To 150, Add	15.91	
For >500 To 1,000, Deduct	-4.27	
For >1,000 To 2,000, Deduct	-8.26	
For >2,000 To 5,000, Deduct	-12.80	
For >5,000, Deduct	-18.62	
33 01 30 71-0035 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	169.01	
For Up To 75, Add	36.68	
For >75 To 150, Add	16.90	
For >500 To 1,000, Deduct	-4.53	
For >1,000 To 2,000, Deduct	-8.78	
For >2,000 To 5,000, Deduct	-13.60	
For >5,000, Deduct	-19.78	
33 01 30 71-0036 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	178.96	
For Up To 75, Add	38.84	
For >75 To 150, Add	17.90	
For >500 To 1,000, Deduct	-4.80	
For >1,000 To 2,000, Deduct	-9.29	
For >2,000 To 5,000, Deduct	-14.40	
For >5,000, Deduct	-20.95	
33 01 30 71-0037 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	188.90	
For Up To 75, Add	41.00	
For >75 To 150, Add	18.89	
For >500 To 1,000, Deduct	-5.07	
For >1,000 To 2,000, Deduct	-9.81	
For >2,000 To 5,000, Deduct	-15.20	
For >5,000, Deduct	-22.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0038 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	198.84	
For Up To 75, Add	43.16	
For >75 To 150, Add	19.88	
For >500 To 1,000, Deduct	-5.33	
For >1,000 To 2,000, Deduct	-10.33	
For >2,000 To 5,000, Deduct	-16.00	
For >5,000, Deduct	-23.27	
33 01 30 71-0039 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.33	
33 01 30 71-0040 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0041 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	80.41	
For Up To 75, Add	17.15	
For >75 To 150, Add	8.04	
For >500 To 1,000, Deduct	-2.04	
For >1,000 To 2,000, Deduct	-3.97	
For >2,000 To 5,000, Deduct	-6.11	
For >5,000, Deduct	-9.11	
33 01 30 71-0042 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	93.81	
For Up To 75, Add	20.01	
For >75 To 150, Add	9.38	
For >500 To 1,000, Deduct	-2.38	
For >1,000 To 2,000, Deduct	-4.63	
For >2,000 To 5,000, Deduct	-7.13	
For >5,000, Deduct	-10.63	
33 01 30 71-0043 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	107.23	
For Up To 75, Add	22.87	
For >75 To 150, Add	10.72	
For >500 To 1,000, Deduct	-2.72	
For >1,000 To 2,000, Deduct	-5.29	
For >2,000 To 5,000, Deduct	-8.15	
For >5,000, Deduct	-12.15	
33 01 30 71-0044 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	120.61	
For Up To 75, Add	25.73	
For >75 To 150, Add	12.06	
For >500 To 1,000, Deduct	-3.05	
For >1,000 To 2,000, Deduct	-5.95	
For >2,000 To 5,000, Deduct	-9.16	
For >5,000, Deduct	-13.67	
33 01 30 71-0045 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	134.02	
For Up To 75, Add	28.59	
For >75 To 150, Add	13.40	
For >500 To 1,000, Deduct	-3.39	
For >1,000 To 2,000, Deduct	-6.61	
For >2,000 To 5,000, Deduct	-10.18	
For >5,000, Deduct	-15.19	
33 01 30 71-0046 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	147.42	
For Up To 75, Add	31.45	
For >75 To 150, Add	14.74	
For >500 To 1,000, Deduct	-3.73	
For >1,000 To 2,000, Deduct	-7.27	
For >2,000 To 5,000, Deduct	-11.20	
For >5,000, Deduct	-16.70	
33 01 30 71-0047 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	160.83	
For Up To 75, Add	34.31	
For >75 To 150, Add	16.08	
For >500 To 1,000, Deduct	-4.07	
For >1,000 To 2,000, Deduct	-7.93	
For >2,000 To 5,000, Deduct	-12.22	
For >5,000, Deduct	-18.22	
33 01 30 71-0048 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	174.23	
For Up To 75, Add	37.17	
For >75 To 150, Add	17.42	
For >500 To 1,000, Deduct	-4.41	
For >1,000 To 2,000, Deduct	-8.59	
For >2,000 To 5,000, Deduct	-13.24	
For >5,000, Deduct	-19.74	
33 01 30 71-0049 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	187.64	
For Up To 75, Add	40.03	
For >75 To 150, Add	18.76	
For >500 To 1,000, Deduct	-4.75	
For >1,000 To 2,000, Deduct	-9.25	
For >2,000 To 5,000, Deduct	-14.26	
For >5,000, Deduct	-21.26	
33 01 30 71-0050 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	201.03	
For Up To 75, Add	42.88	
For >75 To 150, Add	20.10	
For >500 To 1,000, Deduct	-5.09	
For >1,000 To 2,000, Deduct	-9.91	
For >2,000 To 5,000, Deduct	-15.27	
For >5,000, Deduct	-22.78	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	71-0051	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	214.43	
			<i>For Up To 75, Add</i>	45.74	
			<i>For >75 To 150, Add</i>	21.44	
			<i>For >500 To 1,000, Deduct</i>	-5.43	
			<i>For >1,000 To 2,000, Deduct</i>	-10.58	
			<i>For >2,000 To 5,000, Deduct</i>	-16.29	
			<i>For >5,000, Deduct</i>	-24.30	
33 01 30	71-0052	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	227.84	
			<i>For Up To 75, Add</i>	48.60	
			<i>For >75 To 150, Add</i>	22.78	
			<i>For >500 To 1,000, Deduct</i>	-5.77	
			<i>For >1,000 To 2,000, Deduct</i>	-11.24	
			<i>For >2,000 To 5,000, Deduct</i>	-17.31	
			<i>For >5,000, Deduct</i>	-25.82	
33 01 30	71-0053	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	241.24	
			<i>For Up To 75, Add</i>	51.46	
			<i>For >75 To 150, Add</i>	24.12	
			<i>For >500 To 1,000, Deduct</i>	-6.11	
			<i>For >1,000 To 2,000, Deduct</i>	-11.90	
			<i>For >2,000 To 5,000, Deduct</i>	-18.33	
			<i>For >5,000, Deduct</i>	-27.34	
33 01 30	71-0054	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	254.64	
			<i>For Up To 75, Add</i>	54.32	
			<i>For >75 To 150, Add</i>	25.46	
			<i>For >500 To 1,000, Deduct</i>	-6.45	
			<i>For >1,000 To 2,000, Deduct</i>	-12.56	
			<i>For >2,000 To 5,000, Deduct</i>	-19.35	
			<i>For >5,000, Deduct</i>	-28.85	
33 01 30	71-0055	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	268.05	
			<i>For Up To 75, Add</i>	57.18	
			<i>For >75 To 150, Add</i>	26.81	
			<i>For >500 To 1,000, Deduct</i>	-6.79	
			<i>For >1,000 To 2,000, Deduct</i>	-13.22	
			<i>For >2,000 To 5,000, Deduct</i>	-20.37	
			<i>For >5,000, Deduct</i>	-30.37	
33 01 30	71-0056	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.53	
33 01 30 71-0057 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>					
Note: Two part structural polyurethane.					
33 01 30	71-0058	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	101.15	
			<i>For Up To 75, Add</i>	21.36	
			<i>For >75 To 150, Add</i>	10.12	
			<i>For >500 To 1,000, Deduct</i>	-2.47	
			<i>For >1,000 To 2,000, Deduct</i>	-4.83	
			<i>For >2,000 To 5,000, Deduct</i>	-7.42	
			<i>For >5,000, Deduct</i>	-11.24	
33 01 30	71-0059	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	118.02	
			<i>For Up To 75, Add</i>	24.92	
			<i>For >75 To 150, Add</i>	11.80	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000 To 2,000, Deduct</i>	-5.64	
			<i>For >2,000 To 5,000, Deduct</i>	-8.66	
			<i>For >5,000, Deduct</i>	-13.12	
33 01 30	71-0060	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	134.87	
			<i>For Up To 75, Add</i>	28.48	
			<i>For >75 To 150, Add</i>	13.49	
			<i>For >500 To 1,000, Deduct</i>	-3.30	
			<i>For >1,000 To 2,000, Deduct</i>	-6.45	
			<i>For >2,000 To 5,000, Deduct</i>	-9.90	
			<i>For >5,000, Deduct</i>	-14.99	
33 01 30	71-0061	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	151.74	
			<i>For Up To 75, Add</i>	32.04	
			<i>For >75 To 150, Add</i>	15.17	
			<i>For >500 To 1,000, Deduct</i>	-3.71	
			<i>For >1,000 To 2,000, Deduct</i>	-7.25	
			<i>For >2,000 To 5,000, Deduct</i>	-11.13	
			<i>For >5,000, Deduct</i>	-16.86	
33 01 30	71-0062	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	168.60	
			<i>For Up To 75, Add</i>	35.60	
			<i>For >75 To 150, Add</i>	16.86	
			<i>For >500 To 1,000, Deduct</i>	-4.12	
			<i>For >1,000 To 2,000, Deduct</i>	-8.06	
			<i>For >2,000 To 5,000, Deduct</i>	-12.37	
			<i>For >5,000, Deduct</i>	-18.74	
33 01 30	71-0063	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	185.45	
			<i>For Up To 75, Add</i>	39.16	
			<i>For >75 To 150, Add</i>	18.55	
			<i>For >500 To 1,000, Deduct</i>	-4.54	
			<i>For >1,000 To 2,000, Deduct</i>	-8.86	
			<i>For >2,000 To 5,000, Deduct</i>	-13.61	
			<i>For >5,000, Deduct</i>	-20.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0064 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	202.32	
<i>For Up To 75, Add</i>	42.72	
<i>For >75 To 150, Add</i>	20.23	
<i>For >500 To 1,000, Deduct</i>	-4.95	
<i>For >1,000 To 2,000, Deduct</i>	-9.67	
<i>For >2,000 To 5,000, Deduct</i>	-14.84	
<i>For >5,000, Deduct</i>	-22.49	
33 01 30 71-0065 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	219.17	
<i>For Up To 75, Add</i>	46.28	
<i>For >75 To 150, Add</i>	21.92	
<i>For >500 To 1,000, Deduct</i>	-5.36	
<i>For >1,000 To 2,000, Deduct</i>	-10.48	
<i>For >2,000 To 5,000, Deduct</i>	-16.08	
<i>For >5,000, Deduct</i>	-24.36	
33 01 30 71-0066 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	236.04	
<i>For Up To 75, Add</i>	49.84	
<i>For >75 To 150, Add</i>	23.60	
<i>For >500 To 1,000, Deduct</i>	-5.77	
<i>For >1,000 To 2,000, Deduct</i>	-11.28	
<i>For >2,000 To 5,000, Deduct</i>	-17.32	
<i>For >5,000, Deduct</i>	-26.23	
33 01 30 71-0067 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	252.89	
<i>For Up To 75, Add</i>	53.40	
<i>For >75 To 150, Add</i>	25.29	
<i>For >500 To 1,000, Deduct</i>	-6.18	
<i>For >1,000 To 2,000, Deduct</i>	-12.09	
<i>For >2,000 To 5,000, Deduct</i>	-18.55	
<i>For >5,000, Deduct</i>	-28.11	
33 01 30 71-0068 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	269.76	
<i>For Up To 75, Add</i>	56.96	
<i>For >75 To 150, Add</i>	26.98	
<i>For >500 To 1,000, Deduct</i>	-6.60	
<i>For >1,000 To 2,000, Deduct</i>	-12.89	
<i>For >2,000 To 5,000, Deduct</i>	-19.79	
<i>For >5,000, Deduct</i>	-29.98	
33 01 30 71-0069 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	286.61	
<i>For Up To 75, Add</i>	60.52	
<i>For >75 To 150, Add</i>	28.66	
<i>For >500 To 1,000, Deduct</i>	-7.01	
<i>For >1,000 To 2,000, Deduct</i>	-13.70	
<i>For >2,000 To 5,000, Deduct</i>	-21.03	
<i>For >5,000, Deduct</i>	-31.85	
33 01 30 71-0070 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	303.47	
<i>For Up To 75, Add</i>	64.08	
<i>For >75 To 150, Add</i>	30.35	
<i>For >500 To 1,000, Deduct</i>	-7.42	
<i>For >1,000 To 2,000, Deduct</i>	-14.51	
<i>For >2,000 To 5,000, Deduct</i>	-22.27	
<i>For >5,000, Deduct</i>	-33.73	
33 01 30 71-0071 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	320.34	
<i>For Up To 75, Add</i>	67.64	
<i>For >75 To 150, Add</i>	32.03	
<i>For >500 To 1,000, Deduct</i>	-7.83	
<i>For >1,000 To 2,000, Deduct</i>	-15.31	
<i>For >2,000 To 5,000, Deduct</i>	-23.50	
<i>For >5,000, Deduct</i>	-35.60	
33 01 30 71-0072 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	337.19	
<i>For Up To 75, Add</i>	71.19	
<i>For >75 To 150, Add</i>	33.72	
<i>For >500 To 1,000, Deduct</i>	-8.25	
<i>For >1,000 To 2,000, Deduct</i>	-16.12	
<i>For >2,000 To 5,000, Deduct</i>	-24.74	
<i>For >5,000, Deduct</i>	-37.48	
33 01 30 71-0073 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane	10.73	
33 01 30 71-0074 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0075 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	122.00	
<i>For Up To 75, Add</i>	25.59	
<i>For >75 To 150, Add</i>	12.20	
<i>For >500 To 1,000, Deduct</i>	-2.91	
<i>For >1,000 To 2,000, Deduct</i>	-5.71	
<i>For >2,000 To 5,000, Deduct</i>	-8.74	
<i>For >5,000, Deduct</i>	-13.39	
33 01 30 71-0076 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	142.33	
<i>For Up To 75, Add</i>	29.85	
<i>For >75 To 150, Add</i>	14.23	
<i>For >500 To 1,000, Deduct</i>	-3.40	
<i>For >1,000 To 2,000, Deduct</i>	-6.66	
<i>For >2,000 To 5,000, Deduct</i>	-10.20	
<i>For >5,000, Deduct</i>	-15.62	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	71-0077	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	162.67	
			<i>For Up To 75, Add</i>	34.12	
			<i>For >75 To 150, Add</i>	16.27	
			<i>For >500 To 1,000, Deduct</i>	-3.89	
			<i>For >1,000 To 2,000, Deduct</i>	-7.61	
			<i>For >2,000 To 5,000, Deduct</i>	-11.66	
			<i>For >5,000, Deduct</i>	-17.85	
33 01 30	71-0078	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	182.99	
			<i>For Up To 75, Add</i>	38.38	
			<i>For >75 To 150, Add</i>	18.30	
			<i>For >500 To 1,000, Deduct</i>	-4.37	
			<i>For >1,000 To 2,000, Deduct</i>	-8.56	
			<i>For >2,000 To 5,000, Deduct</i>	-13.11	
			<i>For >5,000, Deduct</i>	-20.08	
33 01 30	71-0079	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	203.34	
			<i>For Up To 75, Add</i>	42.65	
			<i>For >75 To 150, Add</i>	20.33	
			<i>For >500 To 1,000, Deduct</i>	-4.86	
			<i>For >1,000 To 2,000, Deduct</i>	-9.52	
			<i>For >2,000 To 5,000, Deduct</i>	-14.57	
			<i>For >5,000, Deduct</i>	-22.31	
33 01 30	71-0080	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	223.65	
			<i>For Up To 75, Add</i>	46.90	
			<i>For >75 To 150, Add</i>	22.37	
			<i>For >500 To 1,000, Deduct</i>	-5.34	
			<i>For >1,000 To 2,000, Deduct</i>	-10.47	
			<i>For >2,000 To 5,000, Deduct</i>	-16.03	
			<i>For >5,000, Deduct</i>	-24.54	
33 01 30	71-0081	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	244.00	
			<i>For Up To 75, Add</i>	51.17	
			<i>For >75 To 150, Add</i>	24.40	
			<i>For >500 To 1,000, Deduct</i>	-5.83	
			<i>For >1,000 To 2,000, Deduct</i>	-11.42	
			<i>For >2,000 To 5,000, Deduct</i>	-17.49	
			<i>For >5,000, Deduct</i>	-26.77	
33 01 30	71-0082	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	264.33	
			<i>For Up To 75, Add</i>	55.44	
			<i>For >75 To 150, Add</i>	26.43	
			<i>For >500 To 1,000, Deduct</i>	-6.31	
			<i>For >1,000 To 2,000, Deduct</i>	-12.37	
			<i>For >2,000 To 5,000, Deduct</i>	-18.94	
			<i>For >5,000, Deduct</i>	-29.00	
33 01 30	71-0083	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	284.66	
			<i>For Up To 75, Add</i>	59.70	
			<i>For >75 To 150, Add</i>	28.47	
			<i>For >500 To 1,000, Deduct</i>	-6.80	
			<i>For >1,000 To 2,000, Deduct</i>	-13.32	
			<i>For >2,000 To 5,000, Deduct</i>	-20.40	
			<i>For >5,000, Deduct</i>	-31.23	
33 01 30	71-0084	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	305.00	
			<i>For Up To 75, Add</i>	63.97	
			<i>For >75 To 150, Add</i>	30.50	
			<i>For >500 To 1,000, Deduct</i>	-7.29	
			<i>For >1,000 To 2,000, Deduct</i>	-14.28	
			<i>For >2,000 To 5,000, Deduct</i>	-21.86	
			<i>For >5,000, Deduct</i>	-33.47	
33 01 30	71-0085	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	325.33	
			<i>For Up To 75, Add</i>	68.23	
			<i>For >75 To 150, Add</i>	32.53	
			<i>For >500 To 1,000, Deduct</i>	-7.77	
			<i>For >1,000 To 2,000, Deduct</i>	-15.23	
			<i>For >2,000 To 5,000, Deduct</i>	-23.32	
			<i>For >5,000, Deduct</i>	-35.70	
33 01 30	71-0086	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	345.66	
			<i>For Up To 75, Add</i>	72.49	
			<i>For >75 To 150, Add</i>	34.57	
			<i>For >500 To 1,000, Deduct</i>	-8.26	
			<i>For >1,000 To 2,000, Deduct</i>	-16.18	
			<i>For >2,000 To 5,000, Deduct</i>	-24.77	
			<i>For >5,000, Deduct</i>	-37.93	
33 01 30	71-0087	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	366.01	
			<i>For Up To 75, Add</i>	76.76	
			<i>For >75 To 150, Add</i>	36.60	
			<i>For >500 To 1,000, Deduct</i>	-8.74	
			<i>For >1,000 To 2,000, Deduct</i>	-17.13	
			<i>For >2,000 To 5,000, Deduct</i>	-26.23	
			<i>For >5,000, Deduct</i>	-40.16	
33 01 30	71-0088	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	386.32	
			<i>For Up To 75, Add</i>	81.02	
			<i>For >75 To 150, Add</i>	38.63	
			<i>For >500 To 1,000, Deduct</i>	-9.23	
			<i>For >1,000 To 2,000, Deduct</i>	-18.08	
			<i>For >2,000 To 5,000, Deduct</i>	-27.69	
			<i>For >5,000, Deduct</i>	-42.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0089 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	406.67	
<i>For Up To 75, Add</i>	85.29	
<i>For >75 To 150, Add</i>	40.67	
<i>For >500 To 1,000, Deduct</i>	-9.72	
<i>For >1,000 To 2,000, Deduct</i>	-19.04	
<i>For >2,000 To 5,000, Deduct</i>	-29.15	
<i>For >5,000, Deduct</i>	-44.62	
33 01 30 71-0090 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane	12.95	
33 01 30 71-0091 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0092 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	142.98	
<i>For Up To 75, Add</i>	29.85	
<i>For >75 To 150, Add</i>	14.30	
<i>For >500 To 1,000, Deduct</i>	-3.36	
<i>For >1,000 To 2,000, Deduct</i>	-6.59	
<i>For >2,000 To 5,000, Deduct</i>	-10.08	
<i>For >5,000, Deduct</i>	-15.55	
33 01 30 71-0093 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	166.81	
<i>For Up To 75, Add</i>	34.82	
<i>For >75 To 150, Add</i>	16.68	
<i>For >500 To 1,000, Deduct</i>	-3.92	
<i>For >1,000 To 2,000, Deduct</i>	-7.69	
<i>For >2,000 To 5,000, Deduct</i>	-11.76	
<i>For >5,000, Deduct</i>	-18.14	
33 01 30 71-0094 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	190.63	
<i>For Up To 75, Add</i>	39.79	
<i>For >75 To 150, Add</i>	19.06	
<i>For >500 To 1,000, Deduct</i>	-4.48	
<i>For >1,000 To 2,000, Deduct</i>	-8.79	
<i>For >2,000 To 5,000, Deduct</i>	-13.44	
<i>For >5,000, Deduct</i>	-20.73	
33 01 30 71-0095 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	214.46	
<i>For Up To 75, Add</i>	44.77	
<i>For >75 To 150, Add</i>	21.45	
<i>For >500 To 1,000, Deduct</i>	-5.04	
<i>For >1,000 To 2,000, Deduct</i>	-9.89	
<i>For >2,000 To 5,000, Deduct</i>	-15.12	
<i>For >5,000, Deduct</i>	-23.32	
33 01 30 71-0096 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	238.30	
<i>For Up To 75, Add</i>	49.74	
<i>For >75 To 150, Add</i>	23.83	
<i>For >500 To 1,000, Deduct</i>	-5.60	
<i>For >1,000 To 2,000, Deduct</i>	-10.99	
<i>For >2,000 To 5,000, Deduct</i>	-16.80	
<i>For >5,000, Deduct</i>	-25.91	
33 01 30 71-0097 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	262.12	
<i>For Up To 75, Add</i>	54.71	
<i>For >75 To 150, Add</i>	26.21	
<i>For >500 To 1,000, Deduct</i>	-6.16	
<i>For >1,000 To 2,000, Deduct</i>	-12.09	
<i>For >2,000 To 5,000, Deduct</i>	-18.47	
<i>For >5,000, Deduct</i>	-28.50	
33 01 30 71-0098 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	285.95	
<i>For Up To 75, Add</i>	59.69	
<i>For >75 To 150, Add</i>	28.60	
<i>For >500 To 1,000, Deduct</i>	-6.72	
<i>For >1,000 To 2,000, Deduct</i>	-13.19	
<i>For >2,000 To 5,000, Deduct</i>	-20.15	
<i>For >5,000, Deduct</i>	-31.09	
33 01 30 71-0099 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	309.79	
<i>For Up To 75, Add</i>	64.66	
<i>For >75 To 150, Add</i>	30.98	
<i>For >500 To 1,000, Deduct</i>	-7.28	
<i>For >1,000 To 2,000, Deduct</i>	-14.29	
<i>For >2,000 To 5,000, Deduct</i>	-21.83	
<i>For >5,000, Deduct</i>	-33.69	
33 01 30 71-0100 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	333.60	
<i>For Up To 75, Add</i>	69.63	
<i>For >75 To 150, Add</i>	33.36	
<i>For >500 To 1,000, Deduct</i>	-7.84	
<i>For >1,000 To 2,000, Deduct</i>	-15.38	
<i>For >2,000 To 5,000, Deduct</i>	-23.51	
<i>For >5,000, Deduct</i>	-36.27	
33 01 30 71-0101 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	357.44	
<i>For Up To 75, Add</i>	74.61	
<i>For >75 To 150, Add</i>	35.74	
<i>For >500 To 1,000, Deduct</i>	-8.40	
<i>For >1,000 To 2,000, Deduct</i>	-16.48	
<i>For >2,000 To 5,000, Deduct</i>	-25.19	
<i>For >5,000, Deduct</i>	-38.87	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	71-0102	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	381.27	
			<i>For Up To 75, Add</i>	79.58	
			<i>For >75 To 150, Add</i>	38.13	
			<i>For >500 To 1,000, Deduct</i>	-8.96	
			<i>For >1,000 To 2,000, Deduct</i>	-17.58	
			<i>For >2,000 To 5,000, Deduct</i>	-26.87	
			<i>For >5,000, Deduct</i>	-41.46	
33 01 30	71-0103	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	405.09	
			<i>For Up To 75, Add</i>	84.56	
			<i>For >75 To 150, Add</i>	40.51	
			<i>For >500 To 1,000, Deduct</i>	-9.52	
			<i>For >1,000 To 2,000, Deduct</i>	-18.68	
			<i>For >2,000 To 5,000, Deduct</i>	-28.55	
			<i>For >5,000, Deduct</i>	-44.05	
33 01 30	71-0104	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	428.93	
			<i>For Up To 75, Add</i>	89.53	
			<i>For >75 To 150, Add</i>	42.89	
			<i>For >500 To 1,000, Deduct</i>	-10.08	
			<i>For >1,000 To 2,000, Deduct</i>	-19.78	
			<i>For >2,000 To 5,000, Deduct</i>	-30.23	
			<i>For >5,000, Deduct</i>	-46.64	
33 01 30	71-0105	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	452.77	
			<i>For Up To 75, Add</i>	94.51	
			<i>For >75 To 150, Add</i>	45.28	
			<i>For >500 To 1,000, Deduct</i>	-10.64	
			<i>For >1,000 To 2,000, Deduct</i>	-20.88	
			<i>For >2,000 To 5,000, Deduct</i>	-31.91	
			<i>For >5,000, Deduct</i>	-49.23	
33 01 30	71-0106	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	476.58	
			<i>For Up To 75, Add</i>	99.48	
			<i>For >75 To 150, Add</i>	47.66	
			<i>For >500 To 1,000, Deduct</i>	-11.20	
			<i>For >1,000 To 2,000, Deduct</i>	-21.98	
			<i>For >2,000 To 5,000, Deduct</i>	-33.59	
			<i>For >5,000, Deduct</i>	-51.82	
33 01 30	71-0107	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.17	
33 01 30	71-0108		Lining Pipe, Spray Applied With 400 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
			Note: Two part structural polyurethane.		
33 01 30	71-0109	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	184.98	
			<i>For Up To 75, Add</i>	38.38	
			<i>For >75 To 150, Add</i>	18.50	
			<i>For >500 To 1,000, Deduct</i>	-4.25	
			<i>For >1,000 To 2,000, Deduct</i>	-8.37	
			<i>For >2,000 To 5,000, Deduct</i>	-12.76	
			<i>For >5,000, Deduct</i>	-19.89	
33 01 30	71-0110	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	215.82	
			<i>For Up To 75, Add</i>	44.78	
			<i>For >75 To 150, Add</i>	21.58	
			<i>For >500 To 1,000, Deduct</i>	-4.96	
			<i>For >1,000 To 2,000, Deduct</i>	-9.77	
			<i>For >2,000 To 5,000, Deduct</i>	-14.89	
			<i>For >5,000, Deduct</i>	-23.20	
33 01 30	71-0111	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	246.65	
			<i>For Up To 75, Add</i>	51.18	
			<i>For >75 To 150, Add</i>	24.67	
			<i>For >500 To 1,000, Deduct</i>	-5.67	
			<i>For >1,000 To 2,000, Deduct</i>	-11.16	
			<i>For >2,000 To 5,000, Deduct</i>	-17.02	
			<i>For >5,000, Deduct</i>	-26.52	
33 01 30	71-0112	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	277.48	
			<i>For Up To 75, Add</i>	57.58	
			<i>For >75 To 150, Add</i>	27.75	
			<i>For >500 To 1,000, Deduct</i>	-6.38	
			<i>For >1,000 To 2,000, Deduct</i>	-12.56	
			<i>For >2,000 To 5,000, Deduct</i>	-19.15	
			<i>For >5,000, Deduct</i>	-29.83	
33 01 30	71-0113	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	308.31	
			<i>For Up To 75, Add</i>	63.97	
			<i>For >75 To 150, Add</i>	30.83	
			<i>For >500 To 1,000, Deduct</i>	-7.09	
			<i>For >1,000 To 2,000, Deduct</i>	-13.95	
			<i>For >2,000 To 5,000, Deduct</i>	-21.27	
			<i>For >5,000, Deduct</i>	-33.14	
33 01 30	71-0114	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	339.14	
			<i>For Up To 75, Add</i>	70.37	
			<i>For >75 To 150, Add</i>	33.91	
			<i>For >500 To 1,000, Deduct</i>	-7.80	
			<i>For >1,000 To 2,000, Deduct</i>	-15.35	
			<i>For >2,000 To 5,000, Deduct</i>	-23.40	
			<i>For >5,000, Deduct</i>	-36.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0115 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	369.97	
<i>For Up To 75, Add</i>	76.77	
<i>For >75 To 150, Add</i>	37.00	
<i>For >500 To 1,000, Deduct</i>	-8.51	
<i>For >1,000 To 2,000, Deduct</i>	-16.74	
<i>For >2,000 To 5,000, Deduct</i>	-25.53	
<i>For >5,000, Deduct</i>	-39.77	
33 01 30 71-0116 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	400.81	
<i>For Up To 75, Add</i>	83.17	
<i>For >75 To 150, Add</i>	40.08	
<i>For >500 To 1,000, Deduct</i>	-9.22	
<i>For >1,000 To 2,000, Deduct</i>	-18.14	
<i>For >2,000 To 5,000, Deduct</i>	-27.66	
<i>For >5,000, Deduct</i>	-43.09	
33 01 30 71-0117 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	431.63	
<i>For Up To 75, Add</i>	89.56	
<i>For >75 To 150, Add</i>	43.16	
<i>For >500 To 1,000, Deduct</i>	-9.93	
<i>For >1,000 To 2,000, Deduct</i>	-19.53	
<i>For >2,000 To 5,000, Deduct</i>	-29.78	
<i>For >5,000, Deduct</i>	-46.40	
33 01 30 71-0118 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	462.47	
<i>For Up To 75, Add</i>	95.96	
<i>For >75 To 150, Add</i>	46.25	
<i>For >500 To 1,000, Deduct</i>	-10.64	
<i>For >1,000 To 2,000, Deduct</i>	-20.93	
<i>For >2,000 To 5,000, Deduct</i>	-31.91	
<i>For >5,000, Deduct</i>	-49.72	
33 01 30 71-0119 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	493.29	
<i>For Up To 75, Add</i>	102.36	
<i>For >75 To 150, Add</i>	49.33	
<i>For >500 To 1,000, Deduct</i>	-11.35	
<i>For >1,000 To 2,000, Deduct</i>	-22.32	
<i>For >2,000 To 5,000, Deduct</i>	-34.04	
<i>For >5,000, Deduct</i>	-53.03	
33 01 30 71-0120 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	524.13	
<i>For Up To 75, Add</i>	108.76	
<i>For >75 To 150, Add</i>	52.41	
<i>For >500 To 1,000, Deduct</i>	-12.06	
<i>For >1,000 To 2,000, Deduct</i>	-23.72	
<i>For >2,000 To 5,000, Deduct</i>	-36.17	
<i>For >5,000, Deduct</i>	-56.34	
33 01 30 71-0121 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	554.95	
<i>For Up To 75, Add</i>	115.15	
<i>For >75 To 150, Add</i>	55.50	
<i>For >500 To 1,000, Deduct</i>	-12.76	
<i>For >1,000 To 2,000, Deduct</i>	-25.11	
<i>For >2,000 To 5,000, Deduct</i>	-38.29	
<i>For >5,000, Deduct</i>	-59.66	
33 01 30 71-0122 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	585.80	
<i>For Up To 75, Add</i>	121.55	
<i>For >75 To 150, Add</i>	58.58	
<i>For >500 To 1,000, Deduct</i>	-13.47	
<i>For >1,000 To 2,000, Deduct</i>	-26.51	
<i>For >2,000 To 5,000, Deduct</i>	-40.42	
<i>For >5,000, Deduct</i>	-62.97	
33 01 30 71-0123 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	616.63	
<i>For Up To 75, Add</i>	127.95	
<i>For >75 To 150, Add</i>	61.66	
<i>For >500 To 1,000, Deduct</i>	-14.18	
<i>For >1,000 To 2,000, Deduct</i>	-27.90	
<i>For >2,000 To 5,000, Deduct</i>	-42.55	
<i>For >5,000, Deduct</i>	-66.29	
33 01 30 71-0124 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane	19.62	
33 01 30 71-0125 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane <small>(33 01 30 71-0020)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0126 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	227.38	
<i>For Up To 75, Add</i>	47.02	
<i>For >75 To 150, Add</i>	22.74	
<i>For >500 To 1,000, Deduct</i>	-5.16	
<i>For >1,000 To 2,000, Deduct</i>	-10.17	
<i>For >2,000 To 5,000, Deduct</i>	-15.49	
<i>For >5,000, Deduct</i>	-24.28	
33 01 30 71-0127 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	265.27	
<i>For Up To 75, Add</i>	54.85	
<i>For >75 To 150, Add</i>	26.53	
<i>For >500 To 1,000, Deduct</i>	-6.02	
<i>For >1,000 To 2,000, Deduct</i>	-11.87	
<i>For >2,000 To 5,000, Deduct</i>	-18.07	
<i>For >5,000, Deduct</i>	-28.33	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30	71-0128	LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	303.17	
			For Up To 75, Add	62.69	
			For >75 To 150, Add	30.32	
			For >500 To 1,000, Deduct	-6.89	
			For >1,000 To 2,000, Deduct	-13.57	
			For >2,000 To 5,000, Deduct	-20.66	
			For >5,000, Deduct	-32.37	
33 01	30	71-0129	LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	341.07	
			For Up To 75, Add	70.53	
			For >75 To 150, Add	34.11	
			For >500 To 1,000, Deduct	-7.75	
			For >1,000 To 2,000, Deduct	-15.26	
			For >2,000 To 5,000, Deduct	-23.24	
			For >5,000, Deduct	-36.42	
33 01	30	71-0130	LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	378.96	
			For Up To 75, Add	78.36	
			For >75 To 150, Add	37.90	
			For >500 To 1,000, Deduct	-8.61	
			For >1,000 To 2,000, Deduct	-16.96	
			For >2,000 To 5,000, Deduct	-25.82	
			For >5,000, Deduct	-40.47	
33 01	30	71-0131	LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	416.86	
			For Up To 75, Add	86.20	
			For >75 To 150, Add	41.69	
			For >500 To 1,000, Deduct	-9.47	
			For >1,000 To 2,000, Deduct	-18.65	
			For >2,000 To 5,000, Deduct	-28.40	
			For >5,000, Deduct	-44.51	
33 01	30	71-0132	LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	454.76	
			For Up To 75, Add	94.04	
			For >75 To 150, Add	45.48	
			For >500 To 1,000, Deduct	-10.33	
			For >1,000 To 2,000, Deduct	-20.35	
			For >2,000 To 5,000, Deduct	-30.99	
			For >5,000, Deduct	-48.56	
33 01	30	71-0133	LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	492.65	
			For Up To 75, Add	101.87	
			For >75 To 150, Add	49.27	
			For >500 To 1,000, Deduct	-11.19	
			For >1,000 To 2,000, Deduct	-22.04	
			For >2,000 To 5,000, Deduct	-33.57	
			For >5,000, Deduct	-52.61	
33 01	30	71-0134	LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	530.55	
			For Up To 75, Add	109.71	
			For >75 To 150, Add	53.06	
			For >500 To 1,000, Deduct	-12.05	
			For >1,000 To 2,000, Deduct	-23.74	
			For >2,000 To 5,000, Deduct	-36.15	
			For >5,000, Deduct	-56.65	
33 01	30	71-0135	LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	568.44	
			For Up To 75, Add	117.54	
			For >75 To 150, Add	56.84	
			For >500 To 1,000, Deduct	-12.91	
			For >1,000 To 2,000, Deduct	-25.44	
			For >2,000 To 5,000, Deduct	-38.73	
			For >5,000, Deduct	-60.70	
33 01	30	71-0136	LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	606.34	
			For Up To 75, Add	125.38	
			For >75 To 150, Add	60.63	
			For >500 To 1,000, Deduct	-13.77	
			For >1,000 To 2,000, Deduct	-27.13	
			For >2,000 To 5,000, Deduct	-41.31	
			For >5,000, Deduct	-64.75	
33 01	30	71-0137	LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	644.24	
			For Up To 75, Add	133.22	
			For >75 To 150, Add	64.42	
			For >500 To 1,000, Deduct	-14.63	
			For >1,000 To 2,000, Deduct	-28.83	
			For >2,000 To 5,000, Deduct	-43.90	
			For >5,000, Deduct	-68.79	
33 01	30	71-0138	LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	682.14	
			For Up To 75, Add	141.05	
			For >75 To 150, Add	68.21	
			For >500 To 1,000, Deduct	-15.49	
			For >1,000 To 2,000, Deduct	-30.52	
			For >2,000 To 5,000, Deduct	-46.48	
			For >5,000, Deduct	-72.84	
33 01	30	71-0139	LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	720.03	
			For Up To 75, Add	148.89	
			For >75 To 150, Add	72.00	
			For >500 To 1,000, Deduct	-16.35	
			For >1,000 To 2,000, Deduct	-32.22	
			For >2,000 To 5,000, Deduct	-49.06	
			For >5,000, Deduct	-76.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0140 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	757.93	
<i>For Up To 75, Add</i>	156.73	
<i>For >75 To 150, Add</i>	75.79	
<i>For >500 To 1,000, Deduct</i>	-17.21	
<i>For >1,000 To 2,000, Deduct</i>	-33.91	
<i>For >2,000 To 5,000, Deduct</i>	-51.64	
<i>For >5,000, Deduct</i>	-80.93	
33 01 30 71-0141 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane	24.12	
 33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)		
33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)		
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,632.42	
33 01 30 72-0004 EA Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,720.70	
33 01 30 72-0005 EA Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,081.05	
33 01 30 72-0006 EA Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,441.40	
33 01 30 72-0007 EA Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	816.21	
33 01 30 72-0008 EA Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,360.35	
33 01 30 72-0009 EA Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,700.44	
33 01 30 72-0010 EA Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,176.55	
33 01 30 72-0011 EA Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,360.35	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0012 EA Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,264.84	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0013 EA Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,441.40	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0014 EA Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP).....	8,162.10	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)		
(33 01 30 72-0001)		
Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0017 LF 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	23.80	
<i>For Vinlyester Resin, Add</i>	6.66	
<i>For Epoxy Resin, Add</i>	0.78	
<i>For Up To >10, Add</i>	47.63	
<i>For >10 To 25, Add</i>	38.10	
<i>For >25 To 50, Add</i>	23.34	
<i>For >50 To 100, Add</i>	11.67	
<i>For >500 To 1,000, Deduct</i>	-1.55	
<i>For >1,000 To 2,000, Deduct</i>	-2.50	
<i>For >2,000 To 5,000, Deduct</i>	-4.71	
<i>For >5,000, Deduct</i>	-7.62	
33 01 30 72-0018 LF 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	29.01	
<i>For Vinlyester Resin, Add</i>	10.30	
<i>For Epoxy Resin, Add</i>	1.21	
<i>For Up To >10, Add</i>	50.23	
<i>For >10 To 25, Add</i>	39.41	
<i>For >25 To 50, Add</i>	24.38	
<i>For >50 To 100, Add</i>	12.19	
<i>For >500 To 1,000, Deduct</i>	-1.81	
<i>For >1,000 To 2,000, Deduct</i>	-2.89	
<i>For >2,000 To 5,000, Deduct</i>	-5.34	
<i>For >5,000, Deduct</i>	-8.66	
33 01 30 72-0019 LF 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	34.23	
<i>For Vinlyester Resin, Add</i>	13.96	
<i>For Epoxy Resin, Add</i>	1.65	
<i>For Up To >10, Add</i>	52.84	
<i>For >10 To 25, Add</i>	40.71	
<i>For >25 To 50, Add</i>	25.42	
<i>For >50 To 100, Add</i>	12.71	
<i>For >500 To 1,000, Deduct</i>	-2.07	
<i>For >1,000 To 2,000, Deduct</i>	-3.28	
<i>For >2,000 To 5,000, Deduct</i>	-5.97	
<i>For >5,000, Deduct</i>	-9.70	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	46.01	
			For Vinlyester Resin, Add	21.26	
			For Epoxy Resin, Add	2.51	
			For Up To >10, Add	62.11	
			For >10 To 25, Add	46.69	
			For >25 To 50, Add	29.53	
			For >50 To 100, Add	14.77	
			For >500 To 1,000, Deduct	-2.69	
			For >1,000 To 2,000, Deduct	-4.23	
			For >2,000 To 5,000, Deduct	-7.55	
			For >5,000, Deduct	-12.33	
33 01 30	72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	57.82	
			For Vinlyester Resin, Add	28.57	
			For Epoxy Resin, Add	3.37	
			For Up To >10, Add	71.44	
			For >10 To 25, Add	52.73	
			For >25 To 50, Add	33.68	
			For >50 To 100, Add	16.84	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000 To 2,000, Deduct	-5.19	
			For >2,000 To 5,000, Deduct	-9.15	
			For >5,000, Deduct	-14.97	
33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)					
33 01 30	72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	33.51	
			For Vinlyester Resin, Add	13.45	
			For Epoxy Resin, Add	1.59	
			For Up To >10, Add	52.48	
			For >10 To 25, Add	40.53	
			For >25 To 50, Add	25.28	
			For >50 To 100, Add	12.64	
			For >500 To 1,000, Deduct	-2.03	
			For >1,000 To 2,000, Deduct	-3.23	
			For >2,000 To 5,000, Deduct	-5.88	
			For >5,000, Deduct	-9.56	
33 01 30	72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	40.47	
			For Vinlyester Resin, Add	18.33	
			For Epoxy Resin, Add	2.16	
			For Up To >10, Add	55.96	
			For >10 To 25, Add	42.27	
			For >25 To 50, Add	26.67	
			For >50 To 100, Add	13.34	
			For >500 To 1,000, Deduct	-2.38	
			For >1,000 To 2,000, Deduct	-3.75	
			For >2,000 To 5,000, Deduct	-6.71	
			For >5,000, Deduct	-10.95	
33 01 30	72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	55.73	
			For Vinlyester Resin, Add	28.06	
			For Epoxy Resin, Add	3.31	
			For Up To >10, Add	66.97	
			For >10 To 25, Add	49.12	
			For >25 To 50, Add	31.48	
			For >50 To 100, Add	15.74	
			For >500 To 1,000, Deduct	-3.18	
			For >1,000 To 2,000, Deduct	-4.96	
			For >2,000 To 5,000, Deduct	-8.72	
			For >5,000, Deduct	-14.27	
33 01 30	72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	71.01	
			For Vinlyester Resin, Add	37.80	
			For Epoxy Resin, Add	4.46	
			For Up To >10, Add	78.03	
			For >10 To 25, Add	56.03	
			For >25 To 50, Add	36.32	
			For >50 To 100, Add	18.16	
			For >500 To 1,000, Deduct	-3.98	
			For >1,000 To 2,000, Deduct	-6.18	
			For >2,000 To 5,000, Deduct	-10.73	
			For >5,000, Deduct	-17.60	
33 01 30	72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	86.41	
			For Vinlyester Resin, Add	47.54	
			For Epoxy Resin, Add	5.60	
			For Up To >10, Add	89.46	
			For >10 To 25, Add	63.23	
			For >25 To 50, Add	41.33	
			For >50 To 100, Add	20.67	
			For >500 To 1,000, Deduct	-4.78	
			For >1,000 To 2,000, Deduct	-7.41	
			For >2,000 To 5,000, Deduct	-12.77	
			For >5,000, Deduct	-20.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0028 LF 6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	102.22	
For Vinylster Resin, Add	57.27	
For Epoxy Resin, Add	6.75	
For Up To >10, Add	102.11	
For >10 To 25, Add	71.46	
For >25 To 50, Add	46.96	
For >50 To 100, Add	23.48	
For >500 To 1,000, Deduct	-5.62	
For >1,000 To 2,000, Deduct	-8.69	
For >2,000 To 5,000, Deduct	-14.92	
For >5,000, Deduct	-24.52	
33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	46.50	
33 01 30 72-0030 LF 7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	46.50	
For Vinylster Resin, Add	22.55	
For Epoxy Resin, Add	2.66	
For Up To >10, Add	58.98	
For >10 To 25, Add	43.78	
For >25 To 50, Add	27.88	
For >50 To 100, Add	13.94	
For >500 To 1,000, Deduct	-2.68	
For >1,000 To 2,000, Deduct	-4.20	
For >2,000 To 5,000, Deduct	-7.44	
For >5,000, Deduct	-12.16	
33 01 30 72-0031 LF 7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	65.23	
For Vinylster Resin, Add	34.71	
For Epoxy Resin, Add	4.09	
For Up To >10, Add	71.72	
For >10 To 25, Add	51.50	
For >25 To 50, Add	33.38	
For >50 To 100, Add	16.69	
For >500 To 1,000, Deduct	-3.65	
For >1,000 To 2,000, Deduct	-5.67	
For >2,000 To 5,000, Deduct	-9.86	
For >5,000, Deduct	-16.17	
33 01 30 72-0032 LF 7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	83.99	
For Vinylster Resin, Add	46.89	
For Epoxy Resin, Add	5.53	
For Up To >10, Add	84.52	
For >10 To 25, Add	59.27	
For >25 To 50, Add	38.91	
For >50 To 100, Add	19.46	
For >500 To 1,000, Deduct	-4.62	
For >1,000 To 2,000, Deduct	-7.15	
For >2,000 To 5,000, Deduct	-12.29	
For >5,000, Deduct	-20.20	
33 01 30 72-0033 LF 7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	102.87	
For Vinylster Resin, Add	59.06	
For Epoxy Resin, Add	6.96	
For Up To >10, Add	97.69	
For >10 To 25, Add	67.34	
For >25 To 50, Add	44.62	
For >50 To 100, Add	22.31	
For >500 To 1,000, Deduct	-5.61	
For >1,000 To 2,000, Deduct	-8.64	
For >2,000 To 5,000, Deduct	-14.75	
For >5,000, Deduct	-24.27	
33 01 30 72-0034 LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	122.15	
For Vinylster Resin, Add	71.23	
For Epoxy Resin, Add	8.39	
For Up To >10, Add	112.08	
For >10 To 25, Add	76.44	
For >25 To 50, Add	50.95	
For >50 To 100, Add	25.48	
For >500 To 1,000, Deduct	-6.62	
For >1,000 To 2,000, Deduct	-10.18	
For >2,000 To 5,000, Deduct	-17.31	
For >5,000, Deduct	-28.51	
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	150.96	
For Vinylster Resin, Add	89.49	
For Epoxy Resin, Add	10.55	
For Up To >10, Add	133.28	
For >10 To 25, Add	89.76	
For >25 To 50, Add	60.25	
For >50 To 100, Add	30.12	
For >500 To 1,000, Deduct	-8.13	
For >1,000 To 2,000, Deduct	-12.48	
For >2,000 To 5,000, Deduct	-21.12	
For >5,000, Deduct	-34.82	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	180.03	
			<i>For Vinlyester Resin, Add</i>	107.74	
			<i>For Epoxy Resin, Add</i>	12.70	
			<i>For Up To >10, Add</i>	155.32	
			<i>For >10 To 25, Add</i>	103.78	
			<i>For >25 To 50, Add</i>	69.96	
			<i>For >50 To 100, Add</i>	34.98	
			<i>For >500 To 1,000, Deduct</i>	-9.65	
			<i>For >1,000 To 2,000, Deduct</i>	-14.81	
			<i>For >2,000 To 5,000, Deduct</i>	-25.00	
			<i>For >5,000, Deduct</i>	-41.23	
33 01 30	72-0037		9mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30	72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	74.53	
			<i>For Vinlyester Resin, Add</i>	41.22	
			<i>For Epoxy Resin, Add</i>	4.86	
			<i>For Up To >10, Add</i>	76.37	
			<i>For >10 To 25, Add</i>	53.82	
			<i>For >25 To 50, Add</i>	35.24	
			<i>For >50 To 100, Add</i>	17.62	
			<i>For >500 To 1,000, Deduct</i>	-4.12	
			<i>For >1,000 To 2,000, Deduct</i>	-6.37	
			<i>For >2,000 To 5,000, Deduct</i>	-10.98	
			<i>For >5,000, Deduct</i>	-18.03	
33 01 30	72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	96.77	
			<i>For Vinlyester Resin, Add</i>	55.83	
			<i>For Epoxy Resin, Add</i>	6.58	
			<i>For Up To >10, Add</i>	90.91	
			<i>For >10 To 25, Add</i>	62.47	
			<i>For >25 To 50, Add</i>	41.47	
			<i>For >50 To 100, Add</i>	20.73	
			<i>For >500 To 1,000, Deduct</i>	-5.26	
			<i>For >1,000 To 2,000, Deduct</i>	-8.11	
			<i>For >2,000 To 5,000, Deduct</i>	-13.82	
			<i>For >5,000, Deduct</i>	-22.76	
33 01 30	72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	119.13	
			<i>For Vinlyester Resin, Add</i>	70.44	
			<i>For Epoxy Resin, Add</i>	8.30	
			<i>For Up To >10, Add</i>	105.82	
			<i>For >10 To 25, Add</i>	71.41	
			<i>For >25 To 50, Add</i>	47.88	
			<i>For >50 To 100, Add</i>	23.94	
			<i>For >500 To 1,000, Deduct</i>	-6.42	
			<i>For >1,000 To 2,000, Deduct</i>	-9.86	
			<i>For >2,000 To 5,000, Deduct</i>	-16.70	
			<i>For >5,000, Deduct</i>	-27.53	
33 01 30	72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	141.89	
			<i>For Vinlyester Resin, Add</i>	85.04	
			<i>For Epoxy Resin, Add</i>	10.02	
			<i>For Up To >10, Add</i>	121.95	
			<i>For >10 To 25, Add</i>	81.37	
			<i>For >25 To 50, Add</i>	54.90	
			<i>For >50 To 100, Add</i>	27.45	
			<i>For >500 To 1,000, Deduct</i>	-7.60	
			<i>For >1,000 To 2,000, Deduct</i>	-11.66	
			<i>For >2,000 To 5,000, Deduct</i>	-19.68	
			<i>For >5,000, Deduct</i>	-32.46	
33 01 30	72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	175.91	
			<i>For Vinlyester Resin, Add</i>	106.95	
			<i>For Epoxy Resin, Add</i>	12.61	
			<i>For Up To >10, Add</i>	145.76	
			<i>For >10 To 25, Add</i>	96.00	
			<i>For >25 To 50, Add</i>	65.24	
			<i>For >50 To 100, Add</i>	32.62	
			<i>For >500 To 1,000, Deduct</i>	-9.37	
			<i>For >1,000 To 2,000, Deduct</i>	-14.35	
			<i>For >2,000 To 5,000, Deduct</i>	-24.11	
			<i>For >5,000, Deduct</i>	-39.81	
33 01 30	72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	210.20	
			<i>For Vinlyester Resin, Add</i>	128.86	
			<i>For Epoxy Resin, Add</i>	15.19	
			<i>For Up To >10, Add</i>	170.40	
			<i>For >10 To 25, Add</i>	111.32	
			<i>For >25 To 50, Add</i>	76.00	
			<i>For >50 To 100, Add</i>	38.00	
			<i>For >500 To 1,000, Deduct</i>	-11.16	
			<i>For >1,000 To 2,000, Deduct</i>	-17.07	
			<i>For >2,000 To 5,000, Deduct</i>	-28.62	
			<i>For >5,000, Deduct</i>	-47.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0044 LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	243.68	
For Vinylster Resin, Add	150.77	
For Epoxy Resin, Add	17.77	
For Up To >10, Add	192.59	
For >10 To 25, Add	124.60	
For >25 To 50, Add	85.53	
For >50 To 100, Add	42.76	
For >500 To 1,000, Deduct	-12.89	
For >1,000 To 2,000, Deduct	-19.69	
For >2,000 To 5,000, Deduct	-32.92	
For >5,000, Deduct	-54.40	
33 01 30 72-0045 LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	277.56	
For Vinylster Resin, Add	172.68	
For Epoxy Resin, Add	20.35	
For Up To >10, Add	215.98	
For >10 To 25, Add	138.87	
For >25 To 50, Add	95.66	
For >50 To 100, Add	47.83	
For >500 To 1,000, Deduct	-14.65	
For >1,000 To 2,000, Deduct	-22.36	
For >2,000 To 5,000, Deduct	-37.32	
For >5,000, Deduct	-61.69	
33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0047 LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	200.65	
For Vinylster Resin, Add	124.27	
For Epoxy Resin, Add	14.65	
For Up To >10, Add	158.13	
For >10 To 25, Add	102.18	
For >25 To 50, Add	70.19	
For >50 To 100, Add	35.09	
For >500 To 1,000, Deduct	-10.61	
For >1,000 To 2,000, Deduct	-16.20	
For >2,000 To 5,000, Deduct	-27.08	
For >5,000, Deduct	-44.75	
33 01 30 72-0048 LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	240.16	
For Vinylster Resin, Add	149.83	
For Epoxy Resin, Add	17.66	
For Up To >10, Add	185.38	
For >10 To 25, Add	118.81	
For >25 To 50, Add	81.99	
For >50 To 100, Add	40.99	
For >500 To 1,000, Deduct	-12.66	
For >1,000 To 2,000, Deduct	-19.32	
For >2,000 To 5,000, Deduct	-32.21	
For >5,000, Deduct	-53.26	
33 01 30 72-0049 LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	278.86	
For Vinylster Resin, Add	175.39	
For Epoxy Resin, Add	20.67	
For Up To >10, Add	210.18	
For >10 To 25, Add	133.39	
For >25 To 50, Add	92.56	
For >50 To 100, Add	46.28	
For >500 To 1,000, Deduct	-14.65	
For >1,000 To 2,000, Deduct	-22.33	
For >2,000 To 5,000, Deduct	-37.14	
For >5,000, Deduct	-61.43	
33 01 30 72-0050 LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	317.95	
For Vinylster Resin, Add	200.95	
For Epoxy Resin, Add	23.68	
For Up To >10, Add	236.18	
For >10 To 25, Add	148.97	
For >25 To 50, Add	103.73	
For >50 To 100, Add	51.87	
For >500 To 1,000, Deduct	-16.67	
For >1,000 To 2,000, Deduct	-25.39	
For >2,000 To 5,000, Deduct	-42.17	
For >5,000, Deduct	-69.77	
33 01 30 72-0051 LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	357.59	
For Vinylster Resin, Add	226.51	
For Epoxy Resin, Add	26.70	
For Up To >10, Add	263.82	
For >10 To 25, Add	165.92	
For >25 To 50, Add	115.73	
For >50 To 100, Add	57.87	
For >500 To 1,000, Deduct	-18.73	
For >1,000 To 2,000, Deduct	-28.52	
For >2,000 To 5,000, Deduct	-47.33	
For >5,000, Deduct	-78.32	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	397.92	
			For Vinlyester Resin, Add	252.07	
			For Epoxy Resin, Add	29.71	
			For Up To >10, Add	293.51	
			For >10 To 25, Add	184.58	
			For >25 To 50, Add	128.75	
			For >50 To 100, Add	64.38	
			For >500 To 1,000, Deduct	-20.84	
			For >1,000 To 2,000, Deduct	-31.74	
			For >2,000 To 5,000, Deduct	-52.67	
			For >5,000, Deduct	-87.15	
33 01 30	72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	475.70	
			For Vinlyester Resin, Add	303.18	
			For Epoxy Resin, Add	35.73	
			For Up To >10, Add	344.30	
			For >10 To 25, Add	214.73	
			For >25 To 50, Add	150.49	
			For >50 To 100, Add	75.25	
			For >500 To 1,000, Deduct	-24.85	
			For >1,000 To 2,000, Deduct	-37.81	
			For >2,000 To 5,000, Deduct	-62.62	
			For >5,000, Deduct	-103.66	
33 01 30	72-0054		12mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30	72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	225.19	
			For Vinlyester Resin, Add	141.45	
			For Epoxy Resin, Add	16.67	
			For Up To >10, Add	170.40	
			For >10 To 25, Add	108.32	
			For >25 To 50, Add	75.09	
			For >50 To 100, Add	37.55	
			For >500 To 1,000, Deduct	-11.84	
			For >1,000 To 2,000, Deduct	-18.05	
			For >2,000 To 5,000, Deduct	-30.03	
			For >5,000, Deduct	-49.66	
33 01 30	72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	269.92	
			For Vinlyester Resin, Add	170.66	
			For Epoxy Resin, Add	20.11	
			For Up To >10, Add	200.26	
			For >10 To 25, Add	126.25	
			For >25 To 50, Add	87.94	
			For >50 To 100, Add	43.97	
			For >500 To 1,000, Deduct	-14.15	
			For >1,000 To 2,000, Deduct	-21.55	
			For >2,000 To 5,000, Deduct	-35.79	
			For >5,000, Deduct	-59.21	
33 01 30	72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	313.83	
			For Vinlyester Resin, Add	199.87	
			For Epoxy Resin, Add	23.56	
			For Up To >10, Add	227.67	
			For >10 To 25, Add	142.13	
			For >25 To 50, Add	99.56	
			For >50 To 100, Add	49.78	
			For >500 To 1,000, Deduct	-16.40	
			For >1,000 To 2,000, Deduct	-24.95	
			For >2,000 To 5,000, Deduct	-41.34	
			For >5,000, Deduct	-68.43	
33 01 30	72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	358.14	
			For Vinlyester Resin, Add	229.08	
			For Epoxy Resin, Add	27.00	
			For Up To >10, Add	256.27	
			For >10 To 25, Add	159.02	
			For >25 To 50, Add	111.77	
			For >50 To 100, Add	55.89	
			For >500 To 1,000, Deduct	-18.68	
			For >1,000 To 2,000, Deduct	-28.40	
			For >2,000 To 5,000, Deduct	-46.99	
			For >5,000, Deduct	-77.80	
33 01 30	72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	403.00	
			For Vinlyester Resin, Add	258.29	
			For Epoxy Resin, Add	30.44	
			For Up To >10, Add	286.53	
			For >10 To 25, Add	177.27	
			For >25 To 50, Add	124.81	
			For >50 To 100, Add	62.41	
			For >500 To 1,000, Deduct	-21.00	
			For >1,000 To 2,000, Deduct	-31.93	
			For >2,000 To 5,000, Deduct	-52.78	
			For >5,000, Deduct	-87.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0060 LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	448.54	
For Vinylster Resin, Add	287.50	
For Epoxy Resin, Add	33.88	
For Up To >10, Add	318.82	
For >10 To 25, Add	197.23	
For >25 To 50, Add	138.87	
For >50 To 100, Add	69.44	
For >500 To 1,000, Deduct	-23.37	
For >1,000 To 2,000, Deduct	-35.53	
For >2,000 To 5,000, Deduct	-58.74	
For >5,000, Deduct	-97.27	
33 01 30 72-0061 LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	536.76	
For Vinylster Resin, Add	345.93	
For Epoxy Resin, Add	40.77	
For Up To >10, Add	374.63	
For >10 To 25, Add	230.00	
For >25 To 50, Add	162.71	
For >50 To 100, Add	81.35	
For >500 To 1,000, Deduct	-27.90	
For >1,000 To 2,000, Deduct	-42.39	
For >2,000 To 5,000, Deduct	-69.95	
For >5,000, Deduct	-115.87	
33 01 30 72-0062 LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	626.19	
For Vinylster Resin, Add	404.34	
For Epoxy Resin, Add	47.65	
For Up To >10, Add	434.50	
For >10 To 25, Add	265.81	
For >25 To 50, Add	188.37	
For >50 To 100, Add	94.18	
For >500 To 1,000, Deduct	-32.52	
For >1,000 To 2,000, Deduct	-49.39	
For >2,000 To 5,000, Deduct	-81.46	
For >5,000, Deduct	-134.95	
33 01 30 72-0063 LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	717.81	
For Vinylster Resin, Add	462.76	
For Epoxy Resin, Add	54.54	
For Up To >10, Add	500.71	
For >10 To 25, Add	307.07	
For >25 To 50, Add	217.30	
For >50 To 100, Add	108.65	
For >500 To 1,000, Deduct	-37.31	
For >1,000 To 2,000, Deduct	-56.67	
For >2,000 To 5,000, Deduct	-93.51	
For >5,000, Deduct	-154.91	
33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0065 LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	249.52	
For Vinylster Resin, Add	158.48	
For Epoxy Resin, Add	18.68	
For Up To >10, Add	182.56	
For >10 To 25, Add	114.40	
For >25 To 50, Add	79.96	
For >50 To 100, Add	39.98	
For >500 To 1,000, Deduct	-13.05	
For >1,000 To 2,000, Deduct	-19.87	
For >2,000 To 5,000, Deduct	-32.95	
For >5,000, Deduct	-54.53	
33 01 30 72-0066 LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	299.48	
For Vinylster Resin, Add	191.35	
For Epoxy Resin, Add	22.55	
For Up To >10, Add	215.04	
For >10 To 25, Add	133.64	
For >25 To 50, Add	93.85	
For >50 To 100, Add	46.93	
For >500 To 1,000, Deduct	-15.63	
For >1,000 To 2,000, Deduct	-23.77	
For >2,000 To 5,000, Deduct	-39.33	
For >5,000, Deduct	-65.12	
33 01 30 72-0067 LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	348.60	
For Vinylster Resin, Add	224.21	
For Epoxy Resin, Add	26.42	
For Up To >10, Add	245.05	
For >10 To 25, Add	150.83	
For >25 To 50, Add	106.51	
For >50 To 100, Add	53.26	
For >500 To 1,000, Deduct	-18.14	
For >1,000 To 2,000, Deduct	-27.56	
For >2,000 To 5,000, Deduct	-45.51	
For >5,000, Deduct	-75.38	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	398.13	
		<i>For Vinlyester Resin, Add</i>	257.08	
		<i>For Epoxy Resin, Add</i>	30.30	
		<i>For Up To >10, Add</i>	276.27	
		<i>For >10 To 25, Add</i>	169.01	
		<i>For >25 To 50, Add</i>	119.77	
		<i>For >50 To 100, Add</i>	59.89	
		<i>For >500 To 1,000, Deduct</i>	-20.68	
		<i>For >1,000 To 2,000, Deduct</i>	-31.40	
		<i>For >2,000 To 5,000, Deduct</i>	-51.79	
		<i>For >5,000, Deduct</i>	-85.80	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	448.20	
		<i>For Vinlyester Resin, Add</i>	289.93	
		<i>For Epoxy Resin, Add</i>	34.17	
		<i>For Up To >10, Add</i>	309.13	
		<i>For >10 To 25, Add</i>	188.57	
		<i>For >25 To 50, Add</i>	133.85	
		<i>For >50 To 100, Add</i>	66.93	
		<i>For >500 To 1,000, Deduct</i>	-23.26	
		<i>For >1,000 To 2,000, Deduct</i>	-35.32	
		<i>For >2,000 To 5,000, Deduct</i>	-58.21	
		<i>For >5,000, Deduct</i>	-96.44	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	498.95	
		<i>For Vinlyester Resin, Add</i>	322.79	
		<i>For Epoxy Resin, Add</i>	38.04	
		<i>For Up To >10, Add</i>	344.03	
		<i>For >10 To 25, Add</i>	209.83	
		<i>For >25 To 50, Add</i>	148.96	
		<i>For >50 To 100, Add</i>	74.48	
		<i>For >500 To 1,000, Deduct</i>	-25.89	
		<i>For >1,000 To 2,000, Deduct</i>	-39.31	
		<i>For >2,000 To 5,000, Deduct</i>	-64.79	
		<i>For >5,000, Deduct</i>	-107.35	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	597.60	
		<i>For Vinlyester Resin, Add</i>	388.51	
		<i>For Epoxy Resin, Add</i>	45.79	
		<i>For Up To >10, Add</i>	405.25	
		<i>For >10 To 25, Add</i>	245.21	
		<i>For >25 To 50, Add</i>	174.87	
		<i>For >50 To 100, Add</i>	87.44	
		<i>For >500 To 1,000, Deduct</i>	-30.94	
		<i>For >1,000 To 2,000, Deduct</i>	-46.95	
		<i>For >2,000 To 5,000, Deduct</i>	-77.25	
		<i>For >5,000, Deduct</i>	-128.04	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	697.47	
		<i>For Vinlyester Resin, Add</i>	454.24	
		<i>For Epoxy Resin, Add</i>	53.54	
		<i>For Up To >10, Add</i>	470.14	
		<i>For >10 To 25, Add</i>	283.63	
		<i>For >25 To 50, Add</i>	202.62	
		<i>For >50 To 100, Add</i>	101.31	
		<i>For >500 To 1,000, Deduct</i>	-36.09	
		<i>For >1,000 To 2,000, Deduct</i>	-54.74	
		<i>For >2,000 To 5,000, Deduct</i>	-90.01	
		<i>For >5,000, Deduct</i>	-149.21	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	799.52	
		<i>For Vinlyester Resin, Add</i>	519.96	
		<i>For Epoxy Resin, Add</i>	61.28	
		<i>For Up To >10, Add</i>	541.56	
		<i>For >10 To 25, Add</i>	327.50	
		<i>For >25 To 50, Add</i>	233.64	
		<i>For >50 To 100, Add</i>	116.82	
		<i>For >500 To 1,000, Deduct</i>	-41.39	
		<i>For >1,000 To 2,000, Deduct</i>	-62.80	
		<i>For >2,000 To 5,000, Deduct</i>	-103.32	
		<i>For >5,000, Deduct</i>	-171.25	
33 01 30 72-0074		15mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0075)</small>		
33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	273.66	
		<i>For Vinlyester Resin, Add</i>	175.38	
		<i>For Epoxy Resin, Add</i>	20.67	
		<i>For Up To >10, Add</i>	194.63	
		<i>For >10 To 25, Add</i>	120.44	
		<i>For >25 To 50, Add</i>	84.79	
		<i>For >50 To 100, Add</i>	42.39	
		<i>For >500 To 1,000, Deduct</i>	-14.26	
		<i>For >1,000 To 2,000, Deduct</i>	-21.68	
		<i>For >2,000 To 5,000, Deduct</i>	-35.84	
		<i>For >5,000, Deduct</i>	-59.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0076 LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	328.82	
For Vinylster Resin, Add	211.89	
For Epoxy Resin, Add	24.97	
For Up To >10, Add	229.71	
For >10 To 25, Add	140.98	
For >25 To 50, Add	99.72	
For >50 To 100, Add	49.86	
For >500 To 1,000, Deduct	-17.09	
For >1,000 To 2,000, Deduct	-25.97	
For >2,000 To 5,000, Deduct	-42.85	
For >5,000, Deduct	-70.99	
33 01 30 72-0077 LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	383.16	
For Vinylster Resin, Add	248.40	
For Epoxy Resin, Add	29.28	
For Up To >10, Add	262.33	
For >10 To 25, Add	159.47	
For >25 To 50, Add	113.42	
For >50 To 100, Add	56.71	
For >500 To 1,000, Deduct	-19.87	
For >1,000 To 2,000, Deduct	-30.15	
For >2,000 To 5,000, Deduct	-49.66	
For >5,000, Deduct	-82.29	
33 01 30 72-0078 LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	437.90	
For Vinylster Resin, Add	284.91	
For Epoxy Resin, Add	33.58	
For Up To >10, Add	296.15	
For >10 To 25, Add	178.96	
For >25 To 50, Add	127.72	
For >50 To 100, Add	63.86	
For >500 To 1,000, Deduct	-22.67	
For >1,000 To 2,000, Deduct	-34.39	
For >2,000 To 5,000, Deduct	-56.56	
For >5,000, Deduct	-93.76	
33 01 30 72-0079 LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	493.19	
For Vinylster Resin, Add	321.43	
For Epoxy Resin, Add	37.88	
For Up To >10, Add	331.62	
For >10 To 25, Add	199.82	
For >25 To 50, Add	142.85	
For >50 To 100, Add	71.43	
For >500 To 1,000, Deduct	-25.51	
For >1,000 To 2,000, Deduct	-38.69	
For >2,000 To 5,000, Deduct	-63.60	
For >5,000, Deduct	-105.44	
33 01 30 72-0080 LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	549.16	
For Vinylster Resin, Add	357.94	
For Epoxy Resin, Add	42.19	
For Up To >10, Add	369.13	
For >10 To 25, Add	222.39	
For >25 To 50, Add	159.00	
For >50 To 100, Add	79.50	
For >500 To 1,000, Deduct	-28.40	
For >1,000 To 2,000, Deduct	-43.08	
For >2,000 To 5,000, Deduct	-70.82	
For >5,000, Deduct	-117.40	
33 01 30 72-0081 LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	658.25	
For Vinylster Resin, Add	430.97	
For Epoxy Resin, Add	50.79	
For Up To >10, Add	435.58	
For >10 To 25, Add	260.37	
For >25 To 50, Add	187.00	
For >50 To 100, Add	93.50	
For >500 To 1,000, Deduct	-33.98	
For >1,000 To 2,000, Deduct	-51.50	
For >2,000 To 5,000, Deduct	-84.53	
For >5,000, Deduct	-140.17	
33 01 30 72-0082 LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	768.55	
For Vinylster Resin, Add	503.99	
For Epoxy Resin, Add	59.40	
For Up To >10, Add	505.68	
For >10 To 25, Add	301.40	
For >25 To 50, Add	216.84	
For >50 To 100, Add	108.42	
For >500 To 1,000, Deduct	-39.64	
For >1,000 To 2,000, Deduct	-60.07	
For >2,000 To 5,000, Deduct	-98.54	
For >5,000, Deduct	-163.42	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0083 LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	881.03	
For Vinlyester Resin, Add	577.02	
For Epoxy Resin, Add	68.01	
For Up To >10, Add	582.32	
For >10 To 25, Add	347.88	
For >25 To 50, Add	249.94	
For >50 To 100, Add	124.97	
For >500 To 1,000, Deduct	-45.47	
For >1,000 To 2,000, Deduct	-68.91	
For >2,000 To 5,000, Deduct	-113.10	
For >5,000, Deduct	-187.55	
33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0085 LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	357.96	
For Vinlyester Resin, Add	232.29	
For Epoxy Resin, Add	27.38	
For Up To >10, Add	244.28	
For >10 To 25, Add	148.26	
For >25 To 50, Add	105.55	
For >50 To 100, Add	52.77	
For >500 To 1,000, Deduct	-18.55	
For >1,000 To 2,000, Deduct	-28.15	
For >2,000 To 5,000, Deduct	-46.35	
For >5,000, Deduct	-76.82	
33 01 30 72-0086 LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	417.51	
For Vinlyester Resin, Add	272.45	
For Epoxy Resin, Add	32.11	
For Up To >10, Add	279.51	
For >10 To 25, Add	168.05	
For >25 To 50, Add	120.29	
For >50 To 100, Add	60.15	
For >500 To 1,000, Deduct	-21.58	
For >1,000 To 2,000, Deduct	-32.73	
For >2,000 To 5,000, Deduct	-53.78	
For >5,000, Deduct	-89.16	
33 01 30 72-0087 LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	477.47	
For Vinlyester Resin, Add	312.61	
For Epoxy Resin, Add	36.84	
For Up To >10, Add	315.94	
For >10 To 25, Add	188.85	
For >25 To 50, Add	135.64	
For >50 To 100, Add	67.82	
For >500 To 1,000, Deduct	-24.65	
For >1,000 To 2,000, Deduct	-37.35	
For >2,000 To 5,000, Deduct	-61.31	
For >5,000, Deduct	-101.67	
33 01 30 72-0088 LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	537.98	
For Vinlyester Resin, Add	352.78	
For Epoxy Resin, Add	41.58	
For Up To >10, Add	354.02	
For >10 To 25, Add	211.02	
For >25 To 50, Add	151.81	
For >50 To 100, Add	75.90	
For >500 To 1,000, Deduct	-27.75	
For >1,000 To 2,000, Deduct	-42.05	
For >2,000 To 5,000, Deduct	-68.98	
For >5,000, Deduct	-114.40	
33 01 30 72-0089 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	599.17	
For Vinlyester Resin, Add	392.95	
For Epoxy Resin, Add	46.31	
For Up To >10, Add	394.14	
For >10 To 25, Add	234.89	
For >25 To 50, Add	169.00	
For >50 To 100, Add	84.50	
For >500 To 1,000, Deduct	-30.90	
For >1,000 To 2,000, Deduct	-46.83	
For >2,000 To 5,000, Deduct	-76.82	
For >5,000, Deduct	-127.40	
33 01 30 72-0090 LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	718.69	
For Vinlyester Resin, Add	473.28	
For Epoxy Resin, Add	55.78	
For Up To >10, Add	465.80	
For >10 To 25, Add	275.48	
For >25 To 50, Add	199.09	
For >50 To 100, Add	99.55	
For >500 To 1,000, Deduct	-37.00	
For >1,000 To 2,000, Deduct	-56.03	
For >2,000 To 5,000, Deduct	-91.78	
For >5,000, Deduct	-152.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0091 LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	839.42	
For Vinylster Resin, Add	553.60	
For Epoxy Resin, Add	65.25	
For Up To >10, Add	541.11	
For >10 To 25, Add	319.12	
For >25 To 50, Add	231.01	
For >50 To 100, Add	115.51	
For >500 To 1,000, Deduct	-43.19	
For >1,000 To 2,000, Deduct	-65.38	
For >2,000 To 5,000, Deduct	-107.04	
For >5,000, Deduct	-177.60	
33 01 30 72-0092 LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	962.33	
For Vinylster Resin, Add	633.93	
For Epoxy Resin, Add	74.71	
For Up To >10, Add	622.97	
For >10 To 25, Add	368.20	
For >25 To 50, Add	266.20	
For >50 To 100, Add	133.10	
For >500 To 1,000, Deduct	-49.53	
For >1,000 To 2,000, Deduct	-75.01	
For >2,000 To 5,000, Deduct	-122.85	
For >5,000, Deduct	-203.81	
33 01 30 72-0093 LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,084.31	
For Vinylster Resin, Add	714.26	
For Epoxy Resin, Add	84.18	
For Up To >10, Add	702.01	
For >10 To 25, Add	414.94	
For >25 To 50, Add	299.98	
For >50 To 100, Add	149.99	
For >500 To 1,000, Deduct	-55.81	
For >1,000 To 2,000, Deduct	-84.52	
For >2,000 To 5,000, Deduct	-138.43	
For >5,000, Deduct	-229.65	
33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0095 LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	387.57	
For Vinylster Resin, Add	252.54	
For Epoxy Resin, Add	29.76	
For Up To >10, Add	260.79	
For >10 To 25, Add	157.19	
For >25 To 50, Add	112.35	
For >50 To 100, Add	56.18	
For >500 To 1,000, Deduct	-20.05	
For >1,000 To 2,000, Deduct	-30.41	
For >2,000 To 5,000, Deduct	-49.99	
For >5,000, Deduct	-82.87	
33 01 30 72-0096 LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	452.48	
For Vinylster Resin, Add	296.36	
For Epoxy Resin, Add	34.93	
For Up To >10, Add	299.02	
For >10 To 25, Add	178.62	
For >25 To 50, Add	128.34	
For >50 To 100, Add	64.17	
For >500 To 1,000, Deduct	-23.35	
For >1,000 To 2,000, Deduct	-35.39	
For >2,000 To 5,000, Deduct	-58.08	
For >5,000, Deduct	-96.32	
33 01 30 72-0097 LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	517.65	
For Vinylster Resin, Add	340.17	
For Epoxy Resin, Add	40.09	
For Up To >10, Add	338.05	
For >10 To 25, Add	200.72	
For >25 To 50, Add	144.73	
For >50 To 100, Add	72.36	
For >500 To 1,000, Deduct	-26.67	
For >1,000 To 2,000, Deduct	-40.41	
For >2,000 To 5,000, Deduct	-66.24	
For >5,000, Deduct	-109.87	
33 01 30 72-0098 LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	583.52	
For Vinylster Resin, Add	383.99	
For Epoxy Resin, Add	45.26	
For Up To >10, Add	379.16	
For >10 To 25, Add	224.54	
For >25 To 50, Add	162.15	
For >50 To 100, Add	81.08	
For >500 To 1,000, Deduct	-30.05	
For >1,000 To 2,000, Deduct	-45.51	
For >2,000 To 5,000, Deduct	-74.57	
For >5,000, Deduct	-123.70	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	649.91	
			<i>For Vinlyester Resin, Add</i>	427.80	
			<i>For Epoxy Resin, Add</i>	50.42	
			<i>For Up To >10, Add</i>	421.88	
			<i>For >10 To 25, Add</i>	249.71	
			<i>For >25 To 50, Add</i>	180.38	
			<i>For >50 To 100, Add</i>	90.19	
			<i>For >500 To 1,000, Deduct</i>	-33.46	
			<i>For >1,000 To 2,000, Deduct</i>	-50.68	
			<i>For >2,000 To 5,000, Deduct</i>	-83.03	
			<i>For >5,000, Deduct</i>	-137.74	
33 01 30	72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	780.96	
			<i>For Vinlyester Resin, Add</i>	515.44	
			<i>For Epoxy Resin, Add</i>	60.75	
			<i>For Up To >10, Add</i>	502.03	
			<i>For >10 To 25, Add</i>	295.64	
			<i>For >25 To 50, Add</i>	214.20	
			<i>For >50 To 100, Add</i>	107.10	
			<i>For >500 To 1,000, Deduct</i>	-40.16	
			<i>For >1,000 To 2,000, Deduct</i>	-60.80	
			<i>For >2,000 To 5,000, Deduct</i>	-99.52	
			<i>For >5,000, Deduct</i>	-165.12	
33 01 30	72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	912.55	
			<i>For Vinlyester Resin, Add</i>	603.07	
			<i>For Epoxy Resin, Add</i>	71.08	
			<i>For Up To >10, Add</i>	583.83	
			<i>For >10 To 25, Add</i>	342.93	
			<i>For >25 To 50, Add</i>	248.84	
			<i>For >50 To 100, Add</i>	124.42	
			<i>For >500 To 1,000, Deduct</i>	-46.90	
			<i>For >1,000 To 2,000, Deduct</i>	-70.99	
			<i>For >2,000 To 5,000, Deduct</i>	-116.14	
			<i>For >5,000, Deduct</i>	-192.71	
33 01 30	72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,046.29	
			<i>For Vinlyester Resin, Add</i>	690.70	
			<i>For Epoxy Resin, Add</i>	81.40	
			<i>For Up To >10, Add</i>	672.10	
			<i>For >10 To 25, Add</i>	395.63	
			<i>For >25 To 50, Add</i>	286.71	
			<i>For >50 To 100, Add</i>	143.36	
			<i>For >500 To 1,000, Deduct</i>	-53.80	
			<i>For >1,000 To 2,000, Deduct</i>	-81.45	
			<i>For >2,000 To 5,000, Deduct</i>	-133.30	
			<i>For >5,000, Deduct</i>	-221.17	
33 01 30	72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,179.10	
			<i>For Vinlyester Resin, Add</i>	778.33	
			<i>For Epoxy Resin, Add</i>	91.73	
			<i>For Up To >10, Add</i>	757.55	
			<i>For >10 To 25, Add</i>	445.98	
			<i>For >25 To 50, Add</i>	323.18	
			<i>For >50 To 100, Add</i>	161.59	
			<i>For >500 To 1,000, Deduct</i>	-60.64	
			<i>For >1,000 To 2,000, Deduct</i>	-91.79	
			<i>For >2,000 To 5,000, Deduct</i>	-150.23	
			<i>For >5,000, Deduct</i>	-249.26	
33 01 30	72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,311.76	
			<i>For Vinlyester Resin, Add</i>	865.96	
			<i>For Epoxy Resin, Add</i>	102.06	
			<i>For Up To >10, Add</i>	842.58	
			<i>For >10 To 25, Add</i>	495.97	
			<i>For >25 To 50, Add</i>	359.44	
			<i>For >50 To 100, Add</i>	179.72	
			<i>For >500 To 1,000, Deduct</i>	-67.46	
			<i>For >1,000 To 2,000, Deduct</i>	-102.12	
			<i>For >2,000 To 5,000, Deduct</i>	-167.12	
			<i>For >5,000, Deduct</i>	-277.29	
33 01 30	72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,444.98	
			<i>For Vinlyester Resin, Add</i>	953.59	
			<i>For Epoxy Resin, Add</i>	112.39	
			<i>For Up To >10, Add</i>	929.27	
			<i>For >10 To 25, Add</i>	547.34	
			<i>For >25 To 50, Add</i>	396.52	
			<i>For >50 To 100, Add</i>	198.26	
			<i>For >500 To 1,000, Deduct</i>	-74.32	
			<i>For >1,000 To 2,000, Deduct</i>	-112.51	
			<i>For >2,000 To 5,000, Deduct</i>	-184.15	
			<i>For >5,000, Deduct</i>	-305.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0106 LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,577.78	
For Vinlyester Resin, Add	1,041.22	
For Epoxy Resin, Add	122.71	
For Up To >10, Add	1,014.72	
For >10 To 25, Add	597.69	
For >25 To 50, Add	432.99	
For >50 To 100, Add	216.49	
For >500 To 1,000, Deduct	-81.15	
For >1,000 To 2,000, Deduct	-122.85	
For >2,000 To 5,000, Deduct	-201.08	
For >5,000, Deduct	-333.62	
33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0108 LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	417.38	
For Vinlyester Resin, Add	272.65	
For Epoxy Resin, Add	32.13	
For Up To >10, Add	278.39	
For >10 To 25, Add	167.08	
For >25 To 50, Add	119.72	
For >50 To 100, Add	59.86	
For >500 To 1,000, Deduct	-21.57	
For >1,000 To 2,000, Deduct	-32.70	
For >2,000 To 5,000, Deduct	-53.71	
For >5,000, Deduct	-89.05	
33 01 30 72-0109 LF 19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	487.52	
For Vinlyester Resin, Add	320.12	
For Epoxy Resin, Add	37.73	
For Up To >10, Add	319.26	
For >10 To 25, Add	189.83	
For >25 To 50, Add	136.76	
For >50 To 100, Add	68.38	
For >500 To 1,000, Deduct	-25.13	
For >1,000 To 2,000, Deduct	-38.07	
For >2,000 To 5,000, Deduct	-62.43	
For >5,000, Deduct	-103.54	
33 01 30 72-0110 LF 19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	558.04	
For Vinlyester Resin, Add	367.58	
For Epoxy Resin, Add	43.32	
For Up To >10, Add	361.32	
For >10 To 25, Add	213.58	
For >25 To 50, Add	154.40	
For >50 To 100, Add	77.20	
For >500 To 1,000, Deduct	-28.73	
For >1,000 To 2,000, Deduct	-43.50	
For >2,000 To 5,000, Deduct	-71.24	
For >5,000, Deduct	-118.19	
33 01 30 72-0111 LF 19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	628.85	
For Vinlyester Resin, Add	415.05	
For Epoxy Resin, Add	48.92	
For Up To >10, Add	404.23	
For >10 To 25, Add	238.03	
For >25 To 50, Add	172.47	
For >50 To 100, Add	86.23	
For >500 To 1,000, Deduct	-32.34	
For >1,000 To 2,000, Deduct	-48.96	
For >2,000 To 5,000, Deduct	-80.13	
For >5,000, Deduct	-132.95	
33 01 30 72-0112 LF 19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	700.74	
For Vinlyester Resin, Add	462.52	
For Epoxy Resin, Add	54.51	
For Up To >10, Add	450.37	
For >10 To 25, Add	265.19	
For >25 To 50, Add	192.15	
For >50 To 100, Add	96.07	
For >500 To 1,000, Deduct	-36.04	
For >1,000 To 2,000, Deduct	-54.56	
For >2,000 To 5,000, Deduct	-89.29	
For >5,000, Deduct	-148.15	
33 01 30 72-0113 LF 19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	843.43	
For Vinlyester Resin, Add	557.45	
For Epoxy Resin, Add	65.70	
For Up To >10, Add	539.39	
For >10 To 25, Add	316.77	
For >25 To 50, Add	229.88	
For >50 To 100, Add	114.94	
For >500 To 1,000, Deduct	-43.35	
For >1,000 To 2,000, Deduct	-65.61	
For >2,000 To 5,000, Deduct	-107.33	
For >5,000, Deduct	-178.10	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0114	LF 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	986.53	
	For Vinlyester Resin, Add	652.39	
	For Epoxy Resin, Add	76.89	
	For Up To >10, Add	629.64	
	For >10 To 25, Add	369.37	
	For >25 To 50, Add	268.22	
	For >50 To 100, Add	134.11	
	For >500 To 1,000, Deduct	-50.69	
	For >1,000 To 2,000, Deduct	-76.72	
	For >2,000 To 5,000, Deduct	-125.48	
	For >5,000, Deduct	-208.22	
33 01 30 72-0115	LF 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,130.59	
	For Vinlyester Resin, Add	747.32	
	For Epoxy Resin, Add	88.08	
	For Up To >10, Add	722.77	
	For >10 To 25, Add	424.38	
	For >25 To 50, Add	308.01	
	For >50 To 100, Add	154.00	
	For >500 To 1,000, Deduct	-58.10	
	For >1,000 To 2,000, Deduct	-87.94	
	For >2,000 To 5,000, Deduct	-143.86	
	For >5,000, Deduct	-238.72	
33 01 30 72-0116	LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,274.23	
	For Vinlyester Resin, Add	842.25	
	For Epoxy Resin, Add	99.27	
	For Up To >10, Add	814.64	
	For >10 To 25, Add	478.33	
	For >25 To 50, Add	347.16	
	For >50 To 100, Add	173.58	
	For >500 To 1,000, Deduct	-65.49	
	For >1,000 To 2,000, Deduct	-99.12	
	For >2,000 To 5,000, Deduct	-162.14	
	For >5,000, Deduct	-269.05	
33 01 30 72-0117	LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,417.86	
	For Vinlyester Resin, Add	937.18	
	For Epoxy Resin, Add	110.45	
	For Up To >10, Add	906.51	
	For >10 To 25, Add	532.28	
	For >25 To 50, Add	386.31	
	For >50 To 100, Add	193.16	
	For >500 To 1,000, Deduct	-72.87	
	For >1,000 To 2,000, Deduct	-110.29	
	For >2,000 To 5,000, Deduct	-180.42	
	For >5,000, Deduct	-299.38	
33 01 30 72-0118	LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,563.16	
	For Vinlyester Resin, Add	1,032.12	
	For Epoxy Resin, Add	121.64	
	For Up To >10, Add	1,003.33	
	For >10 To 25, Add	590.37	
	For >25 To 50, Add	427.94	
	For >50 To 100, Add	213.97	
	For >500 To 1,000, Deduct	-80.38	
	For >1,000 To 2,000, Deduct	-121.67	
	For >2,000 To 5,000, Deduct	-199.11	
	For >5,000, Deduct	-330.37	
33 01 30 72-0119	LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,706.93	
	For Vinlyester Resin, Add	1,127.05	
	For Epoxy Resin, Add	132.83	
	For Up To >10, Add	1,095.62	
	For >10 To 25, Add	644.67	
	For >25 To 50, Add	467.30	
	For >50 To 100, Add	233.65	
	For >500 To 1,000, Deduct	-87.77	
	For >1,000 To 2,000, Deduct	-132.86	
	For >2,000 To 5,000, Deduct	-217.42	
	For >5,000, Deduct	-360.76	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0121	LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	446.87	
	For Vinlyester Resin, Add	292.62	
	For Epoxy Resin, Add	34.49	
	For Up To >10, Add	295.54	
	For >10 To 25, Add	176.61	
	For >25 To 50, Add	126.87	
	For >50 To 100, Add	63.43	
	For >500 To 1,000, Deduct	-23.06	
	For >1,000 To 2,000, Deduct	-34.96	
	For >2,000 To 5,000, Deduct	-57.37	
	For >5,000, Deduct	-95.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0122 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	522.33	
For Vinylster Resin, Add	343.74	
For Epoxy Resin, Add	40.51	
For Up To >10, Add	339.37	
For >10 To 25, Add	200.96	
For >25 To 50, Add	145.13	
For >50 To 100, Add	72.57	
For >500 To 1,000, Deduct	-26.90	
For >1,000 To 2,000, Deduct	-40.74	
For >2,000 To 5,000, Deduct	-66.75	
For >5,000, Deduct	-110.72	
33 01 30 72-0123 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	598.22	
For Vinylster Resin, Add	394.86	
For Epoxy Resin, Add	46.54	
For Up To >10, Add	384.46	
For >10 To 25, Add	226.37	
For >25 To 50, Add	164.03	
For >50 To 100, Add	82.01	
For >500 To 1,000, Deduct	-30.76	
For >1,000 To 2,000, Deduct	-46.57	
For >2,000 To 5,000, Deduct	-76.22	
For >5,000, Deduct	-126.47	
33 01 30 72-0124 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	673.97	
For Vinylster Resin, Add	445.97	
For Epoxy Resin, Add	52.56	
For Up To >10, Add	429.16	
For >10 To 25, Add	251.45	
For >25 To 50, Add	182.73	
For >50 To 100, Add	91.36	
For >500 To 1,000, Deduct	-34.62	
For >1,000 To 2,000, Deduct	-52.39	
For >2,000 To 5,000, Deduct	-85.67	
For >5,000, Deduct	-142.17	
33 01 30 72-0125 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	751.21	
For Vinylster Resin, Add	497.09	
For Epoxy Resin, Add	58.59	
For Up To >10, Add	478.31	
For >10 To 25, Add	280.23	
For >25 To 50, Add	203.65	
For >50 To 100, Add	101.82	
For >500 To 1,000, Deduct	-38.59	
For >1,000 To 2,000, Deduct	-58.39	
For >2,000 To 5,000, Deduct	-95.49	
For >5,000, Deduct	-158.46	
33 01 30 72-0126 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	905.69	
For Vinylster Resin, Add	599.33	
For Epoxy Resin, Add	70.63	
For Up To >10, Add	576.62	
For >10 To 25, Add	337.82	
For >25 To 50, Add	245.50	
For >50 To 100, Add	122.75	
For >500 To 1,000, Deduct	-46.52	
For >1,000 To 2,000, Deduct	-70.40	
For >2,000 To 5,000, Deduct	-115.12	
For >5,000, Deduct	-191.04	
33 01 30 72-0127 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,060.19	
For Vinylster Resin, Add	701.56	
For Epoxy Resin, Add	82.68	
For Up To >10, Add	675.00	
For >10 To 25, Add	395.46	
For >25 To 50, Add	287.39	
For >50 To 100, Add	143.69	
For >500 To 1,000, Deduct	-54.46	
For >1,000 To 2,000, Deduct	-82.41	
For >2,000 To 5,000, Deduct	-134.76	
For >5,000, Deduct	-223.63	
33 01 30 72-0128 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,214.67	
For Vinylster Resin, Add	803.80	
For Epoxy Resin, Add	94.73	
For Up To >10, Add	773.31	
For >10 To 25, Add	453.05	
For >25 To 50, Add	329.24	
For >50 To 100, Add	164.62	
For >500 To 1,000, Deduct	-62.39	
For >1,000 To 2,000, Deduct	-94.42	
For >2,000 To 5,000, Deduct	-154.39	
For >5,000, Deduct	-256.21	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0129	LF		21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,369.15	
			<i>For Vinlyester Resin, Add</i>	906.03	
			<i>For Epoxy Resin, Add</i>	106.78	
			<i>For Up To >10, Add</i>	871.63	
			<i>For >10 To 25, Add</i>	510.63	
			<i>For >25 To 50, Add</i>	371.10	
			<i>For >50 To 100, Add</i>	185.55	
			<i>For >500 To 1,000, Deduct</i>	-70.33	
			<i>For >1,000 To 2,000, Deduct</i>	-106.43	
			<i>For >2,000 To 5,000, Deduct</i>	-174.02	
			<i>For >5,000, Deduct</i>	-288.79	
33 01 30 72-0130	LF		21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,523.63	
			<i>For Vinlyester Resin, Add</i>	1,008.27	
			<i>For Epoxy Resin, Add</i>	118.83	
			<i>For Up To >10, Add</i>	969.94	
			<i>For >10 To 25, Add</i>	568.22	
			<i>For >25 To 50, Add</i>	412.95	
			<i>For >50 To 100, Add</i>	206.48	
			<i>For >500 To 1,000, Deduct</i>	-78.26	
			<i>For >1,000 To 2,000, Deduct</i>	-118.43	
			<i>For >2,000 To 5,000, Deduct</i>	-193.66	
			<i>For >5,000, Deduct</i>	-321.38	
33 01 30 72-0131	LF		21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,681.12	
			<i>For Vinlyester Resin, Add</i>	1,110.51	
			<i>For Epoxy Resin, Add</i>	130.88	
			<i>For Up To >10, Add</i>	1,077.26	
			<i>For >10 To 25, Add</i>	633.31	
			<i>For >25 To 50, Add</i>	459.31	
			<i>For >50 To 100, Add</i>	229.65	
			<i>For >500 To 1,000, Deduct</i>	-86.42	
			<i>For >1,000 To 2,000, Deduct</i>	-130.82	
			<i>For >2,000 To 5,000, Deduct</i>	-214.04	
			<i>For >5,000, Deduct</i>	-355.16	
33 01 30 72-0132	LF		21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,835.88	
			<i>For Vinlyester Resin, Add</i>	1,212.74	
			<i>For Epoxy Resin, Add</i>	142.93	
			<i>For Up To >10, Add</i>	1,176.42	
			<i>For >10 To 25, Add</i>	691.60	
			<i>For >25 To 50, Add</i>	501.58	
			<i>For >50 To 100, Add</i>	250.79	
			<i>For >500 To 1,000, Deduct</i>	-94.38	
			<i>For >1,000 To 2,000, Deduct</i>	-142.86	
			<i>For >2,000 To 5,000, Deduct</i>	-233.75	
			<i>For >5,000, Deduct</i>	-387.85	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0134	LF		22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	476.01	
			<i>For Vinlyester Resin, Add</i>	312.45	
			<i>For Epoxy Resin, Add</i>	36.82	
			<i>For Up To >10, Add</i>	312.16	
			<i>For >10 To 25, Add</i>	185.74	
			<i>For >25 To 50, Add</i>	133.76	
			<i>For >50 To 100, Add</i>	66.88	
			<i>For >500 To 1,000, Deduct</i>	-24.54	
			<i>For >1,000 To 2,000, Deduct</i>	-37.18	
			<i>For >2,000 To 5,000, Deduct</i>	-60.98	
			<i>For >5,000, Deduct</i>	-101.13	
33 01 30 72-0135	LF		22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	556.70	
			<i>For Vinlyester Resin, Add</i>	367.21	
			<i>For Epoxy Resin, Add</i>	43.28	
			<i>For Up To >10, Add</i>	358.63	
			<i>For >10 To 25, Add</i>	211.42	
			<i>For >25 To 50, Add</i>	153.08	
			<i>For >50 To 100, Add</i>	76.54	
			<i>For >500 To 1,000, Deduct</i>	-28.64	
			<i>For >1,000 To 2,000, Deduct</i>	-43.36	
			<i>For >2,000 To 5,000, Deduct</i>	-70.98	
			<i>For >5,000, Deduct</i>	-117.76	
33 01 30 72-0136	LF		22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	638.20	
			<i>For Vinlyester Resin, Add</i>	421.99	
			<i>For Epoxy Resin, Add</i>	49.73	
			<i>For Up To >10, Add</i>	407.50	
			<i>For >10 To 25, Add</i>	239.11	
			<i>For >25 To 50, Add</i>	173.61	
			<i>For >50 To 100, Add</i>	86.80	
			<i>For >500 To 1,000, Deduct</i>	-32.79	
			<i>For >1,000 To 2,000, Deduct</i>	-49.63	
			<i>For >2,000 To 5,000, Deduct</i>	-81.18	
			<i>For >5,000, Deduct</i>	-134.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0137 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	720.11	
For Vinylster Resin, Add	476.75	
For Epoxy Resin, Add	56.19	
For Up To >10, Add	457.66	
For >10 To 25, Add	267.87	
For >25 To 50, Add	194.77	
For >50 To 100, Add	97.39	
For >500 To 1,000, Deduct	-36.98	
For >1,000 To 2,000, Deduct	-55.96	
For >2,000 To 5,000, Deduct	-91.49	
For >5,000, Deduct	-151.83	
33 01 30 72-0138 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	802.84	
For Vinylster Resin, Add	531.52	
For Epoxy Resin, Add	62.64	
For Up To >10, Add	510.25	
For >10 To 25, Add	298.65	
For >25 To 50, Add	217.16	
For >50 To 100, Add	108.58	
For >500 To 1,000, Deduct	-41.23	
For >1,000 To 2,000, Deduct	-62.39	
For >2,000 To 5,000, Deduct	-102.00	
For >5,000, Deduct	-169.27	
33 01 30 72-0139 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	968.31	
For Vinylster Resin, Add	641.06	
For Epoxy Resin, Add	75.55	
For Up To >10, Add	615.43	
For >10 To 25, Add	360.23	
For >25 To 50, Add	261.93	
For >50 To 100, Add	130.96	
For >500 To 1,000, Deduct	-49.73	
For >1,000 To 2,000, Deduct	-75.25	
For >2,000 To 5,000, Deduct	-123.02	
For >5,000, Deduct	-204.16	
33 01 30 72-0140 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,133.76	
For Vinylster Resin, Add	750.60	
For Epoxy Resin, Add	88.46	
For Up To >10, Add	720.58	
For >10 To 25, Add	421.77	
For >25 To 50, Add	306.68	
For >50 To 100, Add	153.34	
For >500 To 1,000, Deduct	-58.23	
For >1,000 To 2,000, Deduct	-88.11	
For >2,000 To 5,000, Deduct	-144.04	
For >5,000, Deduct	-239.05	
33 01 30 72-0141 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,299.23	
For Vinylster Resin, Add	860.13	
For Epoxy Resin, Add	101.37	
For Up To >10, Add	825.79	
For >10 To 25, Add	483.37	
For >25 To 50, Add	351.46	
For >50 To 100, Add	175.73	
For >500 To 1,000, Deduct	-66.72	
For >1,000 To 2,000, Deduct	-100.97	
For >2,000 To 5,000, Deduct	-165.07	
For >5,000, Deduct	-273.94	
33 01 30 72-0142 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,464.69	
For Vinylster Resin, Add	969.68	
For Epoxy Resin, Add	114.28	
For Up To >10, Add	930.95	
For >10 To 25, Add	544.91	
For >25 To 50, Add	396.21	
For >50 To 100, Add	198.11	
For >500 To 1,000, Deduct	-75.22	
For >1,000 To 2,000, Deduct	-113.82	
For >2,000 To 5,000, Deduct	-186.09	
For >5,000, Deduct	-308.83	
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,630.16	
For Vinylster Resin, Add	1,079.21	
For Epoxy Resin, Add	127.19	
For Up To >10, Add	1,036.16	
For >10 To 25, Add	606.51	
For >25 To 50, Add	440.99	
For >50 To 100, Add	220.50	
For >500 To 1,000, Deduct	-83.72	
For >1,000 To 2,000, Deduct	-126.68	
For >2,000 To 5,000, Deduct	-207.12	
For >5,000, Deduct	-343.72	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,798.75	
			For Vinlyester Resin, Add	1,188.75	
			For Epoxy Resin, Add	140.10	
			For Up To >10, Add	1,150.70	
			For >10 To 25, Add	675.88	
			For >25 To 50, Add	490.44	
			For >50 To 100, Add	245.22	
			For >500 To 1,000, Deduct	-92.45	
			For >1,000 To 2,000, Deduct	-139.93	
			For >2,000 To 5,000, Deduct	-228.92	
			For >5,000, Deduct	-379.86	
33 01 30	72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,964.48	
			For Vinlyester Resin, Add	1,298.29	
			For Epoxy Resin, Add	153.01	
			For Up To >10, Add	1,256.69	
			For >10 To 25, Add	738.13	
			For >25 To 50, Add	535.61	
			For >50 To 100, Add	267.81	
			For >500 To 1,000, Deduct	-100.97	
			For >1,000 To 2,000, Deduct	-152.83	
			For >2,000 To 5,000, Deduct	-250.01	
			For >5,000, Deduct	-414.85	
33 01 30	72-0146		24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30	72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	504.79	
			For Vinlyester Resin, Add	332.12	
			For Epoxy Resin, Add	39.14	
			For Up To >10, Add	328.22	
			For >10 To 25, Add	194.44	
			For >25 To 50, Add	140.39	
			For >50 To 100, Add	70.19	
			For >500 To 1,000, Deduct	-26.00	
			For >1,000 To 2,000, Deduct	-39.38	
			For >2,000 To 5,000, Deduct	-64.52	
			For >5,000, Deduct	-107.02	
33 01 30	72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	590.71	
			For Vinlyester Resin, Add	390.54	
			For Epoxy Resin, Add	46.03	
			For Up To >10, Add	377.33	
			For >10 To 25, Add	221.46	
			For >25 To 50, Add	160.77	
			For >50 To 100, Add	80.38	
			For >500 To 1,000, Deduct	-30.36	
			For >1,000 To 2,000, Deduct	-45.94	
			For >2,000 To 5,000, Deduct	-75.15	
			For >5,000, Deduct	-124.70	
33 01 30	72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	677.84	
			For Vinlyester Resin, Add	448.97	
			For Epoxy Resin, Add	52.91	
			For Up To >10, Add	430.07	
			For >10 To 25, Add	251.50	
			For >25 To 50, Add	182.97	
			For >50 To 100, Add	91.48	
			For >500 To 1,000, Deduct	-34.80	
			For >1,000 To 2,000, Deduct	-52.66	
			For >2,000 To 5,000, Deduct	-86.08	
			For >5,000, Deduct	-142.86	
33 01 30	72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	766.05	
			For Vinlyester Resin, Add	507.38	
			For Epoxy Resin, Add	59.80	
			For Up To >10, Add	486.08	
			For >10 To 25, Add	284.26	
			For >25 To 50, Add	206.80	
			For >50 To 100, Add	103.40	
			For >500 To 1,000, Deduct	-39.33	
			For >1,000 To 2,000, Deduct	-59.51	
			For >2,000 To 5,000, Deduct	-97.28	
			For >5,000, Deduct	-161.45	
33 01 30	72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	854.27	
			For Vinlyester Resin, Add	565.80	
			For Epoxy Resin, Add	66.68	
			For Up To >10, Add	542.09	
			For >10 To 25, Add	317.02	
			For >25 To 50, Add	230.63	
			For >50 To 100, Add	115.31	
			For >500 To 1,000, Deduct	-43.86	
			For >1,000 To 2,000, Deduct	-66.37	
			For >2,000 To 5,000, Deduct	-108.49	
			For >5,000, Deduct	-180.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0152 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,030.71	
For Vinylster Resin, Add	682.65	
For Epoxy Resin, Add	80.45	
For Up To >10, Add	654.11	
For >10 To 25, Add	382.55	
For >25 To 50, Add	278.29	
For >50 To 100, Add	139.15	
For >500 To 1,000, Deduct	-52.92	
For >1,000 To 2,000, Deduct	-80.08	
For >2,000 To 5,000, Deduct	-130.90	
For >5,000, Deduct	-217.24	
33 01 30 72-0153 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,254.01	
For Vinylster Resin, Add	832.39	
For Epoxy Resin, Add	98.10	
For Up To >10, Add	789.21	
For >10 To 25, Add	459.48	
For >25 To 50, Add	335.15	
For >50 To 100, Add	167.57	
For >500 To 1,000, Deduct	-64.32	
For >1,000 To 2,000, Deduct	-97.29	
For >2,000 To 5,000, Deduct	-158.92	
For >5,000, Deduct	-263.78	
33 01 30 72-0154 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,383.45	
For Vinylster Resin, Add	916.33	
For Epoxy Resin, Add	108.00	
For Up To >10, Add	877.75	
For >10 To 25, Add	513.29	
For >25 To 50, Add	373.42	
For >50 To 100, Add	186.71	
For >500 To 1,000, Deduct	-71.03	
For >1,000 To 2,000, Deduct	-107.48	
For >2,000 To 5,000, Deduct	-175.69	
For >5,000, Deduct	-291.57	
33 01 30 72-0155 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,559.89	
For Vinylster Resin, Add	1,033.17	
For Epoxy Resin, Add	121.77	
For Up To >10, Add	989.77	
For >10 To 25, Add	578.82	
For >25 To 50, Add	421.09	
For >50 To 100, Add	210.54	
For >500 To 1,000, Deduct	-80.09	
For >1,000 To 2,000, Deduct	-121.19	
For >2,000 To 5,000, Deduct	-198.10	
For >5,000, Deduct	-328.76	
33 01 30 72-0156 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,736.33	
For Vinylster Resin, Add	1,150.01	
For Epoxy Resin, Add	135.54	
For Up To >10, Add	1,101.82	
For >10 To 25, Add	644.37	
For >25 To 50, Add	468.76	
For >50 To 100, Add	234.38	
For >500 To 1,000, Deduct	-89.15	
For >1,000 To 2,000, Deduct	-134.90	
For >2,000 To 5,000, Deduct	-220.51	
For >5,000, Deduct	-365.96	
33 01 30 72-0157 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,916.03	
For Vinylster Resin, Add	1,266.85	
For Epoxy Resin, Add	149.31	
For Up To >10, Add	1,223.62	
For >10 To 25, Add	718.05	
For >25 To 50, Add	521.32	
For >50 To 100, Add	260.66	
For >500 To 1,000, Deduct	-98.46	
For >1,000 To 2,000, Deduct	-149.01	
For >2,000 To 5,000, Deduct	-243.73	
For >5,000, Deduct	-404.45	
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,092.74	
For Vinylster Resin, Add	1,383.69	
For Epoxy Resin, Add	163.08	
For Up To >10, Add	1,336.47	
For >10 To 25, Add	784.28	
For >25 To 50, Add	569.40	
For >50 To 100, Add	284.70	
For >500 To 1,000, Deduct	-107.54	
For >1,000 To 2,000, Deduct	-162.76	
For >2,000 To 5,000, Deduct	-266.21	
For >5,000, Deduct	-441.76	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,269.46	
			For Vinylester Resin, Add	1,500.53	
			For Epoxy Resin, Add	176.85	
			For Up To >10, Add	1,449.33	
			For >10 To 25, Add	850.51	
			For >25 To 50, Add	617.48	
			For >50 To 100, Add	308.74	
			For >500 To 1,000, Deduct	-116.62	
			For >1,000 To 2,000, Deduct	-176.50	
			For >2,000 To 5,000, Deduct	-288.69	
			For >5,000, Deduct	-479.06	
33 01 30	72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,446.16	
			For Vinylester Resin, Add	1,617.38	
			For Epoxy Resin, Add	190.62	
			For Up To >10, Add	1,562.13	
			For >10 To 25, Add	916.69	
			For >25 To 50, Add	665.54	
			For >50 To 100, Add	332.77	
			For >500 To 1,000, Deduct	-125.70	
			For >1,000 To 2,000, Deduct	-190.24	
			For >2,000 To 5,000, Deduct	-311.17	
			For >5,000, Deduct	-516.36	
33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)					
33 01 30	72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	624.91	
			For Vinylester Resin, Add	413.73	
			For Epoxy Resin, Add	48.76	
			For Up To >10, Add	397.13	
			For >10 To 25, Add	232.44	
			For >25 To 50, Add	169.01	
			For >50 To 100, Add	84.51	
			For >500 To 1,000, Deduct	-32.09	
			For >1,000 To 2,000, Deduct	-48.56	
			For >2,000 To 5,000, Deduct	-79.39	
			For >5,000, Deduct	-131.76	
33 01 30	72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	718.07	
			For Vinylester Resin, Add	475.80	
			For Epoxy Resin, Add	56.08	
			For Up To >10, Add	454.94	
			For >10 To 25, Add	265.83	
			For >25 To 50, Add	193.48	
			For >50 To 100, Add	96.74	
			For >500 To 1,000, Deduct	-36.86	
			For >1,000 To 2,000, Deduct	-55.77	
			For >2,000 To 5,000, Deduct	-91.16	
			For >5,000, Deduct	-151.29	
33 01 30	72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	811.79	
			For Vinylester Resin, Add	537.87	
			For Epoxy Resin, Add	63.39	
			For Up To >10, Add	514.40	
			For >10 To 25, Add	300.60	
			For >25 To 50, Add	218.78	
			For >50 To 100, Add	109.39	
			For >500 To 1,000, Deduct	-41.67	
			For >1,000 To 2,000, Deduct	-63.05	
			For >2,000 To 5,000, Deduct	-103.06	
			For >5,000, Deduct	-171.04	
33 01 30	72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	905.36	
			For Vinylester Resin, Add	599.95	
			For Epoxy Resin, Add	70.71	
			For Up To >10, Add	573.41	
			For >10 To 25, Add	334.99	
			For >25 To 50, Add	243.85	
			For >50 To 100, Add	121.92	
			For >500 To 1,000, Deduct	-46.48	
			For >1,000 To 2,000, Deduct	-70.32	
			For >2,000 To 5,000, Deduct	-114.92	
			For >5,000, Deduct	-190.73	
33 01 30	72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,092.77	
			For Vinylester Resin, Add	724.09	
			For Epoxy Resin, Add	85.34	
			For Up To >10, Add	692.29	
			For >10 To 25, Add	404.50	
			For >25 To 50, Add	294.42	
			For >50 To 100, Add	147.21	
			For >500 To 1,000, Deduct	-56.10	
			For >1,000 To 2,000, Deduct	-84.88	
			For >2,000 To 5,000, Deduct	-138.72	
			For >5,000, Deduct	-230.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0167 LF 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,280.05	
For Vinylster Resin, Add	848.23	
For Epoxy Resin, Add	99.97	
For Up To >10, Add	810.75	
For >10 To 25, Add	473.67	
For >25 To 50, Add	344.79	
For >50 To 100, Add	172.39	
For >500 To 1,000, Deduct	-65.71	
For >1,000 To 2,000, Deduct	-99.42	
For >2,000 To 5,000, Deduct	-162.48	
For >5,000, Deduct	-269.67	
33 01 30 72-0168 LF 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,467.47	
For Vinylster Resin, Add	972.38	
For Epoxy Resin, Add	114.60	
For Up To >10, Add	929.64	
For >10 To 25, Add	543.18	
For >25 To 50, Add	395.36	
For >50 To 100, Add	197.68	
For >500 To 1,000, Deduct	-75.33	
For >1,000 To 2,000, Deduct	-113.98	
For >2,000 To 5,000, Deduct	-186.28	
For >5,000, Deduct	-309.17	
33 01 30 72-0169 LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,654.75	
For Vinylster Resin, Add	1,096.52	
For Epoxy Resin, Add	129.23	
For Up To >10, Add	1,048.10	
For >10 To 25, Add	612.34	
For >25 To 50, Add	445.73	
For >50 To 100, Add	222.86	
For >500 To 1,000, Deduct	-84.94	
For >1,000 To 2,000, Deduct	-128.52	
For >2,000 To 5,000, Deduct	-210.05	
For >5,000, Deduct	-348.61	
33 01 30 72-0170 LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,842.16	
For Vinylster Resin, Add	1,220.67	
For Epoxy Resin, Add	143.86	
For Up To >10, Add	1,166.96	
For >10 To 25, Add	681.83	
For >25 To 50, Add	496.29	
For >50 To 100, Add	248.14	
For >500 To 1,000, Deduct	-94.57	
For >1,000 To 2,000, Deduct	-143.08	
For >2,000 To 5,000, Deduct	-233.84	
For >5,000, Deduct	-388.10	
33 01 30 72-0171 LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,033.92	
For Vinylster Resin, Add	1,344.81	
For Epoxy Resin, Add	158.49	
For Up To >10, Add	1,298.89	
For >10 To 25, Add	762.21	
For >25 To 50, Add	553.39	
For >50 To 100, Add	276.69	
For >500 To 1,000, Deduct	-104.52	
For >1,000 To 2,000, Deduct	-158.18	
For >2,000 To 5,000, Deduct	-258.73	
For >5,000, Deduct	-429.34	
33 01 30 72-0172 LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,221.76	
For Vinylster Resin, Add	1,468.96	
For Epoxy Resin, Add	173.13	
For Up To >10, Add	1,419.01	
For >10 To 25, Add	832.75	
For >25 To 50, Add	604.58	
For >50 To 100, Add	302.29	
For >500 To 1,000, Deduct	-114.17	
For >1,000 To 2,000, Deduct	-172.79	
For >2,000 To 5,000, Deduct	-282.63	
For >5,000, Deduct	-469.00	
33 01 30 72-0173 LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,409.44	
For Vinylster Resin, Add	1,593.10	
For Epoxy Resin, Add	187.76	
For Up To >10, Add	1,538.70	
For >10 To 25, Add	902.94	
For >25 To 50, Add	655.56	
For >50 To 100, Add	327.78	
For >500 To 1,000, Deduct	-123.81	
For >1,000 To 2,000, Deduct	-187.39	
For >2,000 To 5,000, Deduct	-306.50	
For >5,000, Deduct	-508.61	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,597.27	
			<i>For Vinlyester Resin, Add</i>	1,717.24	
			<i>For Epoxy Resin, Add</i>	202.39	
			<i>For Up To >10, Add</i>	1,658.81	
			<i>For >10 To 25, Add</i>	973.48	
			<i>For >25 To 50, Add</i>	706.75	
			<i>For >50 To 100, Add</i>	353.37	
			<i>For >500 To 1,000, Deduct</i>	-133.47	
			<i>For >1,000 To 2,000, Deduct</i>	-202.00	
			<i>For >2,000 To 5,000, Deduct</i>	-330.40	
			<i>For >5,000, Deduct</i>	-548.27	
33 01 30	72-0175		27mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30	72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	658.78	
			<i>For Vinlyester Resin, Add</i>	436.77	
			<i>For Epoxy Resin, Add</i>	51.48	
			<i>For Up To >10, Add</i>	416.44	
			<i>For >10 To 25, Add</i>	243.04	
			<i>For >25 To 50, Add</i>	177.02	
			<i>For >50 To 100, Add</i>	88.51	
			<i>For >500 To 1,000, Deduct</i>	-33.81	
			<i>For >1,000 To 2,000, Deduct</i>	-51.15	
			<i>For >2,000 To 5,000, Deduct</i>	-83.58	
			<i>For >5,000, Deduct</i>	-138.72	
33 01 30	72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	757.98	
			<i>For Vinlyester Resin, Add</i>	502.50	
			<i>For Epoxy Resin, Add</i>	59.22	
			<i>For Up To >10, Add</i>	479.32	
			<i>For >10 To 25, Add</i>	279.79	
			<i>For >25 To 50, Add</i>	203.77	
			<i>For >50 To 100, Add</i>	101.88	
			<i>For >500 To 1,000, Deduct</i>	-38.90	
			<i>For >1,000 To 2,000, Deduct</i>	-58.86	
			<i>For >2,000 To 5,000, Deduct</i>	-96.17	
			<i>For >5,000, Deduct</i>	-159.62	
33 01 30	72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	857.18	
			<i>For Vinlyester Resin, Add</i>	568.23	
			<i>For Epoxy Resin, Add</i>	66.97	
			<i>For Up To >10, Add</i>	542.17	
			<i>For >10 To 25, Add</i>	316.51	
			<i>For >25 To 50, Add</i>	230.50	
			<i>For >50 To 100, Add</i>	115.25	
			<i>For >500 To 1,000, Deduct</i>	-43.99	
			<i>For >1,000 To 2,000, Deduct</i>	-66.56	
			<i>For >2,000 To 5,000, Deduct</i>	-108.77	
			<i>For >5,000, Deduct</i>	-180.52	
33 01 30	72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	956.25	
			<i>For Vinlyester Resin, Add</i>	633.95	
			<i>For Epoxy Resin, Add</i>	74.72	
			<i>For Up To >10, Add</i>	604.65	
			<i>For >10 To 25, Add</i>	352.94	
			<i>For >25 To 50, Add</i>	257.04	
			<i>For >50 To 100, Add</i>	128.52	
			<i>For >500 To 1,000, Deduct</i>	-49.08	
			<i>For >1,000 To 2,000, Deduct</i>	-74.25	
			<i>For >2,000 To 5,000, Deduct</i>	-121.33	
			<i>For >5,000, Deduct</i>	-201.37	
33 01 30	72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,154.49	
			<i>For Vinlyester Resin, Add</i>	765.39	
			<i>For Epoxy Resin, Add</i>	90.21	
			<i>For Up To >10, Add</i>	729.95	
			<i>For >10 To 25, Add</i>	426.05	
			<i>For >25 To 50, Add</i>	310.30	
			<i>For >50 To 100, Add</i>	155.15	
			<i>For >500 To 1,000, Deduct</i>	-59.25	
			<i>For >1,000 To 2,000, Deduct</i>	-89.64	
			<i>For >2,000 To 5,000, Deduct</i>	-146.48	
			<i>For >5,000, Deduct</i>	-243.11	
33 01 30	72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,352.88	
			<i>For Vinlyester Resin, Add</i>	896.83	
			<i>For Epoxy Resin, Add</i>	105.70	
			<i>For Up To >10, Add</i>	855.67	
			<i>For >10 To 25, Add</i>	499.52	
			<i>For >25 To 50, Add</i>	363.77	
			<i>For >50 To 100, Add</i>	181.89	
			<i>For >500 To 1,000, Deduct</i>	-69.44	
			<i>For >1,000 To 2,000, Deduct</i>	-105.05	
			<i>For >2,000 To 5,000, Deduct</i>	-171.67	
			<i>For >5,000, Deduct</i>	-284.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0182 LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,551.15	
For Vinylster Resin, Add	1,028.29	
For Epoxy Resin, Add	121.19	
For Up To >10, Add	981.00	
For >10 To 25, Add	572.67	
For >25 To 50, Add	417.05	
For >50 To 100, Add	208.53	
For >500 To 1,000, Deduct	-79.61	
For >1,000 To 2,000, Deduct	-120.44	
For >2,000 To 5,000, Deduct	-196.82	
For >5,000, Deduct	-326.66	
33 01 30 72-0183 LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,749.39	
For Vinylster Resin, Add	1,159.73	
For Epoxy Resin, Add	136.68	
For Up To >10, Add	1,106.30	
For >10 To 25, Add	645.79	
For >25 To 50, Add	470.31	
For >50 To 100, Add	235.16	
For >500 To 1,000, Deduct	-89.79	
For >1,000 To 2,000, Deduct	-135.84	
For >2,000 To 5,000, Deduct	-221.97	
For >5,000, Deduct	-368.41	
33 01 30 72-0184 LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,947.65	
For Vinylster Resin, Add	1,291.17	
For Epoxy Resin, Add	152.17	
For Up To >10, Add	1,231.63	
For >10 To 25, Add	718.93	
For >25 To 50, Add	523.59	
For >50 To 100, Add	261.79	
For >500 To 1,000, Deduct	-99.96	
For >1,000 To 2,000, Deduct	-151.23	
For >2,000 To 5,000, Deduct	-247.12	
For >5,000, Deduct	-410.15	
33 01 30 72-0185 LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,151.62	
For Vinylster Resin, Add	1,422.62	
For Epoxy Resin, Add	167.67	
For Up To >10, Add	1,374.06	
For >10 To 25, Add	806.33	
For >25 To 50, Add	585.41	
For >50 To 100, Add	292.71	
For >500 To 1,000, Deduct	-110.56	
For >1,000 To 2,000, Deduct	-167.34	
For >2,000 To 5,000, Deduct	-273.70	
For >5,000, Deduct	-454.18	
33 01 30 72-0186 LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,350.42	
For Vinylster Resin, Add	1,554.07	
For Epoxy Resin, Add	183.16	
For Up To >10, Add	1,501.01	
For >10 To 25, Add	880.83	
For >25 To 50, Add	639.50	
For >50 To 100, Add	319.75	
For >500 To 1,000, Deduct	-120.78	
For >1,000 To 2,000, Deduct	-182.80	
For >2,000 To 5,000, Deduct	-298.99	
For >5,000, Deduct	-496.15	
33 01 30 72-0187 LF 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,549.22	
For Vinylster Resin, Add	1,685.52	
For Epoxy Resin, Add	198.65	
For Up To >10, Add	1,627.96	
For >10 To 25, Add	955.32	
For >25 To 50, Add	693.59	
For >50 To 100, Add	346.79	
For >500 To 1,000, Deduct	-130.99	
For >1,000 To 2,000, Deduct	-198.26	
For >2,000 To 5,000, Deduct	-324.28	
For >5,000, Deduct	-538.11	
33 01 30 72-0188 LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,748.02	
For Vinylster Resin, Add	1,816.96	
For Epoxy Resin, Add	214.14	
For Up To >10, Add	1,754.91	
For >10 To 25, Add	1,029.82	
For >25 To 50, Add	747.67	
For >50 To 100, Add	373.84	
For >500 To 1,000, Deduct	-141.21	
For >1,000 To 2,000, Deduct	-213.72	
For >2,000 To 5,000, Deduct	-349.57	
For >5,000, Deduct	-580.08	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 01 30	72-0190	LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		797.41	
		For Vinlyester Resin, Add		529.05	
		For Epoxy Resin, Add		62.35	
		For Up To >10, Add		502.78	
		For >10 To 25, Add		293.02	
		For >25 To 50, Add		213.60	
		For >50 To 100, Add		106.80	
		For >500 To 1,000, Deduct		-40.91	
		For >1,000 To 2,000, Deduct		-61.89	
		For >2,000 To 5,000, Deduct		-101.10	
		For >5,000, Deduct		-167.81	
33 01 30	72-0191	LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		902.10	
		For Vinlyester Resin, Add		598.42	
		For Epoxy Resin, Add		70.53	
		For Up To >10, Add		569.08	
		For >10 To 25, Add		331.75	
		For >25 To 50, Add		241.79	
		For >50 To 100, Add		120.90	
		For >500 To 1,000, Deduct		-46.29	
		For >1,000 To 2,000, Deduct		-70.02	
		For >2,000 To 5,000, Deduct		-114.39	
		For >5,000, Deduct		-189.86	
33 01 30	72-0192	LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,006.63	
		For Vinlyester Resin, Add		667.79	
		For Epoxy Resin, Add		78.70	
		For Up To >10, Add		634.92	
		For >10 To 25, Add		370.10	
		For >25 To 50, Add		269.76	
		For >50 To 100, Add		134.88	
		For >500 To 1,000, Deduct		-51.65	
		For >1,000 To 2,000, Deduct		-78.13	
		For >2,000 To 5,000, Deduct		-127.64	
		For >5,000, Deduct		-211.85	
33 01 30	72-0193	LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,274.32	
		For Vinlyester Resin, Add		847.55	
		For Epoxy Resin, Add		99.89	
		For Up To >10, Add		795.99	
		For >10 To 25, Add		461.52	
		For >25 To 50, Add		337.45	
		For >50 To 100, Add		168.73	
		For >500 To 1,000, Deduct		-65.30	
		For >1,000 To 2,000, Deduct		-98.75	
		For >2,000 To 5,000, Deduct		-161.18	
		For >5,000, Deduct		-267.57	
33 01 30	72-0194	LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,424.97	
		For Vinlyester Resin, Add		945.29	
		For Epoxy Resin, Add		111.41	
		For Up To >10, Add		898.86	
		For >10 To 25, Add		523.98	
		For >25 To 50, Add		381.91	
		For >50 To 100, Add		190.95	
		For >500 To 1,000, Deduct		-73.11	
		For >1,000 To 2,000, Deduct		-110.60	
		For >2,000 To 5,000, Deduct		-180.69	
		For >5,000, Deduct		-299.90	
33 01 30	72-0195	LF 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,634.07	
		For Vinlyester Resin, Add		1,084.05	
		For Epoxy Resin, Add		127.76	
		For Up To >10, Add		1,030.61	
		For >10 To 25, Add		600.74	
		For >25 To 50, Add		437.87	
		For >50 To 100, Add		218.94	
		For >500 To 1,000, Deduct		-83.84	
		For >1,000 To 2,000, Deduct		-126.83	
		For >2,000 To 5,000, Deduct		-207.19	
		For >5,000, Deduct		-343.90	
33 01 30	72-0196	LF 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,843.17	
		For Vinlyester Resin, Add		1,222.80	
		For Epoxy Resin, Add		144.12	
		For Up To >10, Add		1,162.39	
		For >10 To 25, Add		677.51	
		For >25 To 50, Add		493.85	
		For >50 To 100, Add		246.93	
		For >500 To 1,000, Deduct		-94.57	
		For >1,000 To 2,000, Deduct		-143.05	
		For >2,000 To 5,000, Deduct		-233.70	
		For >5,000, Deduct		-387.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0197 LF 28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,052.26	
For Vinylster Resin, Add	1,361.54	
For Epoxy Resin, Add	160.47	
For Up To >10, Add	1,294.13	
For >10 To 25, Add	754.27	
For >25 To 50, Add	549.81	
For >50 To 100, Add	274.91	
For >500 To 1,000, Deduct	-105.29	
For >1,000 To 2,000, Deduct	-159.28	
For >2,000 To 5,000, Deduct	-260.21	
For >5,000, Deduct	-431.89	
33 01 30 72-0198 LF 28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,267.33	
For Vinylster Resin, Add	1,500.29	
For Epoxy Resin, Add	176.82	
For Up To >10, Add	1,443.82	
For >10 To 25, Add	845.97	
For >25 To 50, Add	614.74	
For >50 To 100, Add	307.37	
For >500 To 1,000, Deduct	-116.47	
For >1,000 To 2,000, Deduct	-176.25	
For >2,000 To 5,000, Deduct	-288.21	
For >5,000, Deduct	-478.28	
33 01 30 72-0199 LF 28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,476.97	
For Vinylster Resin, Add	1,639.04	
For Epoxy Resin, Add	193.17	
For Up To >10, Add	1,577.21	
For >10 To 25, Add	924.10	
For >25 To 50, Add	671.53	
For >50 To 100, Add	335.77	
For >500 To 1,000, Deduct	-127.24	
For >1,000 To 2,000, Deduct	-192.55	
For >2,000 To 5,000, Deduct	-314.85	
For >5,000, Deduct	-522.49	
33 01 30 72-0200 LF 28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,686.75	
For Vinylster Resin, Add	1,777.79	
For Epoxy Resin, Add	209.53	
For Up To >10, Add	1,711.00	
For >10 To 25, Add	1,002.55	
For >25 To 50, Add	728.52	
For >50 To 100, Add	364.26	
For >500 To 1,000, Deduct	-138.01	
For >1,000 To 2,000, Deduct	-208.86	
For >2,000 To 5,000, Deduct	-341.53	
For >5,000, Deduct	-566.76	
33 01 30 72-0201 LF 28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,896.39	
For Vinylster Resin, Add	1,916.54	
For Epoxy Resin, Add	225.88	
For Up To >10, Add	1,844.40	
For >10 To 25, Add	1,080.68	
For >25 To 50, Add	785.30	
For >50 To 100, Add	392.65	
For >500 To 1,000, Deduct	-148.78	
For >1,000 To 2,000, Deduct	-225.15	
For >2,000 To 5,000, Deduct	-368.17	
For >5,000, Deduct	-610.97	
33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0203 LF 30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	836.64	
For Vinylster Resin, Add	555.46	
For Epoxy Resin, Add	65.46	
For Up To >10, Add	526.15	
For >10 To 25, Add	306.20	
For >25 To 50, Add	223.40	
For >50 To 100, Add	111.70	
For >500 To 1,000, Deduct	-42.91	
For >1,000 To 2,000, Deduct	-64.90	
For >2,000 To 5,000, Deduct	-106.00	
For >5,000, Deduct	-175.95	
33 01 30 72-0204 LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	946.67	
For Vinylster Resin, Add	628.48	
For Epoxy Resin, Add	74.07	
For Up To >10, Add	595.44	
For >10 To 25, Add	346.56	
For >25 To 50, Add	252.83	
For >50 To 100, Add	126.41	
For >500 To 1,000, Deduct	-48.55	
For >1,000 To 2,000, Deduct	-73.44	
For >2,000 To 5,000, Deduct	-119.95	
For >5,000, Deduct	-199.10	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0205 LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,056.70	
For Vinlyester Resin, Add	701.51	
For Epoxy Resin, Add	82.68	
For Up To >10, Add	664.73	
For >10 To 25, Add	386.91	
For >25 To 50, Add	282.26	
For >50 To 100, Add	141.13	
For >500 To 1,000, Deduct	-54.20	
For >1,000 To 2,000, Deduct	-81.98	
For >2,000 To 5,000, Deduct	-133.90	
For >5,000, Deduct	-222.25	
33 01 30 72-0206 LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,276.63	
For Vinlyester Resin, Add	847.55	
For Epoxy Resin, Add	99.89	
For Up To >10, Add	802.92	
For >10 To 25, Add	467.30	
For >25 To 50, Add	340.92	
For >50 To 100, Add	170.46	
For >500 To 1,000, Deduct	-65.48	
For >1,000 To 2,000, Deduct	-99.04	
For >2,000 To 5,000, Deduct	-161.75	
For >5,000, Deduct	-268.49	
33 01 30 72-0207 LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,496.71	
For Vinlyester Resin, Add	993.61	
For Epoxy Resin, Add	117.10	
For Up To >10, Add	941.53	
For >10 To 25, Add	548.04	
For >25 To 50, Add	399.79	
For >50 To 100, Add	199.90	
For >500 To 1,000, Deduct	-76.77	
For >1,000 To 2,000, Deduct	-116.12	
For >2,000 To 5,000, Deduct	-189.65	
For >5,000, Deduct	-314.80	
33 01 30 72-0208 LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,716.64	
For Vinlyester Resin, Add	1,139.66	
For Epoxy Resin, Add	134.32	
For Up To >10, Add	1,079.72	
For >10 To 25, Add	628.42	
For >25 To 50, Add	458.46	
For >50 To 100, Add	229.23	
For >500 To 1,000, Deduct	-88.05	
For >1,000 To 2,000, Deduct	-133.18	
For >2,000 To 5,000, Deduct	-217.51	
For >5,000, Deduct	-361.04	
33 01 30 72-0209 LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,936.72	
For Vinlyester Resin, Add	1,285.71	
For Epoxy Resin, Add	151.53	
For Up To >10, Add	1,218.34	
For >10 To 25, Add	709.16	
For >25 To 50, Add	517.33	
For >50 To 100, Add	258.67	
For >500 To 1,000, Deduct	-99.34	
For >1,000 To 2,000, Deduct	-150.25	
For >2,000 To 5,000, Deduct	-245.41	
For >5,000, Deduct	-407.34	
33 01 30 72-0210 LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,156.66	
For Vinlyester Resin, Add	1,431.77	
For Epoxy Resin, Add	168.74	
For Up To >10, Add	1,356.53	
For >10 To 25, Add	789.55	
For >25 To 50, Add	576.00	
For >50 To 100, Add	288.00	
For >500 To 1,000, Deduct	-110.62	
For >1,000 To 2,000, Deduct	-167.31	
For >2,000 To 5,000, Deduct	-273.27	
For >5,000, Deduct	-453.59	
33 01 30 72-0211 LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,382.84	
For Vinlyester Resin, Add	1,577.81	
For Epoxy Resin, Add	185.96	
For Up To >10, Add	1,513.47	
For >10 To 25, Add	885.56	
For >25 To 50, Add	644.03	
For >50 To 100, Add	322.02	
For >500 To 1,000, Deduct	-122.36	
For >1,000 To 2,000, Deduct	-185.15	
For >2,000 To 5,000, Deduct	-302.69	
For >5,000, Deduct	-502.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0212 LF 30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,603.33	
For Vinylster Resin, Add	1,723.87	
For Epoxy Resin, Add	203.17	
For Up To >10, Add	1,653.32	
For >10 To 25, Add	967.32	
For >25 To 50, Add	703.52	
For >50 To 100, Add	351.76	
For >500 To 1,000, Deduct	-133.68	
For >1,000 To 2,000, Deduct	-202.28	
For >2,000 To 5,000, Deduct	-330.69	
For >5,000, Deduct	-548.80	
33 01 30 72-0213 LF 30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,823.94	
For Vinylster Resin, Add	1,869.92	
For Epoxy Resin, Add	220.38	
For Up To >10, Add	1,793.55	
For >10 To 25, Add	1,049.40	
For >25 To 50, Add	763.21	
For >50 To 100, Add	381.60	
For >500 To 1,000, Deduct	-145.01	
For >1,000 To 2,000, Deduct	-219.43	
For >2,000 To 5,000, Deduct	-358.71	
For >5,000, Deduct	-595.31	
33 01 30 72-0214 LF 30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,044.55	
For Vinylster Resin, Add	2,015.97	
For Epoxy Resin, Add	237.60	
For Up To >10, Add	1,933.78	
For >10 To 25, Add	1,131.49	
For >25 To 50, Add	822.89	
For >50 To 100, Add	411.45	
For >500 To 1,000, Deduct	-156.34	
For >1,000 To 2,000, Deduct	-236.57	
For >2,000 To 5,000, Deduct	-386.74	
For >5,000, Deduct	-641.83	
33 01 30 72-0215 LF 30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,265.04	
For Vinylster Resin, Add	2,162.02	
For Epoxy Resin, Add	254.81	
For Up To >10, Add	2,073.62	
For >10 To 25, Add	1,213.25	
For >25 To 50, Add	882.38	
For >50 To 100, Add	441.19	
For >500 To 1,000, Deduct	-167.66	
For >1,000 To 2,000, Deduct	-253.70	
For >2,000 To 5,000, Deduct	-414.74	
For >5,000, Deduct	-688.30	
33 01 30 72-0216 LF 30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,485.64	
For Vinylster Resin, Add	2,308.07	
For Epoxy Resin, Add	272.02	
For Up To >10, Add	2,213.82	
For >10 To 25, Add	1,295.31	
For >25 To 50, Add	942.05	
For >50 To 100, Add	471.02	
For >500 To 1,000, Deduct	-178.99	
For >1,000 To 2,000, Deduct	-270.84	
For >2,000 To 5,000, Deduct	-442.77	
For >5,000, Deduct	-734.81	
33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0218 LF 31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	875.65	
For Vinylster Resin, Add	581.72	
For Epoxy Resin, Add	68.56	
For Up To >10, Add	549.38	
For >10 To 25, Add	319.31	
For >25 To 50, Add	233.14	
For >50 To 100, Add	116.57	
For >500 To 1,000, Deduct	-44.90	
For >1,000 To 2,000, Deduct	-67.90	
For >2,000 To 5,000, Deduct	-110.88	
For >5,000, Deduct	-184.05	
33 01 30 72-0219 LF 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	991.03	
For Vinylster Resin, Add	658.40	
For Epoxy Resin, Add	77.60	
For Up To >10, Add	621.67	
For >10 To 25, Add	361.29	
For >25 To 50, Add	263.80	
For >50 To 100, Add	131.90	
For >500 To 1,000, Deduct	-50.81	
For >1,000 To 2,000, Deduct	-76.85	
For >2,000 To 5,000, Deduct	-125.48	
For >5,000, Deduct	-208.30	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,106.42	
			For Vinlyester Resin, Add	735.07	
			For Epoxy Resin, Add	86.63	
			For Up To >10, Add	694.01	
			For >10 To 25, Add	403.33	
			For >25 To 50, Add	294.50	
			For >50 To 100, Add	147.25	
			For >500 To 1,000, Deduct	-56.73	
			For >1,000 To 2,000, Deduct	-85.80	
			For >2,000 To 5,000, Deduct	-140.09	
			For >5,000, Deduct	-232.55	
33 01 30	72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,337.33	
			For Vinlyester Resin, Add	888.43	
			For Epoxy Resin, Add	104.71	
			For Up To >10, Add	839.04	
			For >10 To 25, Add	487.67	
			For >25 To 50, Add	356.06	
			For >50 To 100, Add	178.03	
			For >500 To 1,000, Deduct	-68.57	
			For >1,000 To 2,000, Deduct	-103.71	
			For >2,000 To 5,000, Deduct	-169.34	
			For >5,000, Deduct	-281.10	
33 01 30	72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,568.11	
			For Vinlyester Resin, Add	1,041.78	
			For Epoxy Resin, Add	122.78	
			For Up To >10, Add	983.68	
			For >10 To 25, Add	571.69	
			For >25 To 50, Add	417.43	
			For >50 To 100, Add	208.71	
			For >500 To 1,000, Deduct	-80.40	
			For >1,000 To 2,000, Deduct	-121.60	
			For >2,000 To 5,000, Deduct	-198.55	
			For >5,000, Deduct	-329.59	
33 01 30	72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,799.03	
			For Vinlyester Resin, Add	1,195.14	
			For Epoxy Resin, Add	140.86	
			For Up To >10, Add	1,128.74	
			For >10 To 25, Add	656.06	
			For >25 To 50, Add	479.00	
			For >50 To 100, Add	239.50	
			For >500 To 1,000, Deduct	-92.24	
			For >1,000 To 2,000, Deduct	-139.51	
			For >2,000 To 5,000, Deduct	-227.80	
			For >5,000, Deduct	-378.14	
33 01 30	72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,029.80	
			For Vinlyester Resin, Add	1,348.49	
			For Epoxy Resin, Add	158.93	
			For Up To >10, Add	1,273.38	
			For >10 To 25, Add	740.08	
			For >25 To 50, Add	540.37	
			For >50 To 100, Add	270.18	
			For >500 To 1,000, Deduct	-104.07	
			For >1,000 To 2,000, Deduct	-157.40	
			For >2,000 To 5,000, Deduct	-257.02	
			For >5,000, Deduct	-426.64	
33 01 30	72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,260.58	
			For Vinlyester Resin, Add	1,501.84	
			For Epoxy Resin, Add	177.00	
			For Up To >10, Add	1,418.02	
			For >10 To 25, Add	824.10	
			For >25 To 50, Add	601.73	
			For >50 To 100, Add	300.87	
			For >500 To 1,000, Deduct	-115.91	
			For >1,000 To 2,000, Deduct	-175.30	
			For >2,000 To 5,000, Deduct	-286.23	
			For >5,000, Deduct	-475.13	
33 01 30	72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,497.89	
			For Vinlyester Resin, Add	1,655.20	
			For Epoxy Resin, Add	195.08	
			For Up To >10, Add	1,582.25	
			For >10 To 25, Add	924.44	
			For >25 To 50, Add	672.89	
			For >50 To 100, Add	336.45	
			For >500 To 1,000, Deduct	-128.23	
			For >1,000 To 2,000, Deduct	-194.01	
			For >2,000 To 5,000, Deduct	-317.08	
			For >5,000, Deduct	-526.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0227 LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,747.12	
For Vinylster Resin, Add	1,820.90	
For Epoxy Resin, Add	214.61	
For Up To >10, Add	1,738.14	
For >10 To 25, Add	1,014.90	
For >25 To 50, Add	739.00	
For >50 To 100, Add	369.50	
For >500 To 1,000, Deduct	-141.00	
For >1,000 To 2,000, Deduct	-213.33	
For >2,000 To 5,000, Deduct	-348.61	
For >5,000, Deduct	-578.59	
33 01 30 72-0228 LF 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,960.65	
For Vinylster Resin, Add	1,961.90	
For Epoxy Resin, Add	231.22	
For Up To >10, Add	1,875.15	
For >10 To 25, Add	1,095.51	
For >25 To 50, Add	797.44	
For >50 To 100, Add	398.72	
For >500 To 1,000, Deduct	-151.98	
For >1,000 To 2,000, Deduct	-229.95	
For >2,000 To 5,000, Deduct	-375.81	
For >5,000, Deduct	-623.72	
33 01 30 72-0229 LF 31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,192.12	
For Vinylster Resin, Add	2,115.26	
For Epoxy Resin, Add	249.30	
For Up To >10, Add	2,021.86	
For >10 To 25, Add	1,181.25	
For >25 To 50, Add	859.84	
For >50 To 100, Add	429.92	
For >500 To 1,000, Deduct	-163.86	
For >1,000 To 2,000, Deduct	-247.93	
For >2,000 To 5,000, Deduct	-405.20	
For >5,000, Deduct	-672.49	
33 01 30 72-0230 LF 31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,423.43	
For Vinylster Resin, Add	2,268.61	
For Epoxy Resin, Add	267.37	
For Up To >10, Add	2,168.12	
For >10 To 25, Add	1,266.62	
For >25 To 50, Add	922.01	
For >50 To 100, Add	461.01	
For >500 To 1,000, Deduct	-175.74	
For >1,000 To 2,000, Deduct	-265.89	
For >2,000 To 5,000, Deduct	-434.54	
For >5,000, Deduct	-721.20	
33 01 30 72-0231 LF 31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,654.89	
For Vinylster Resin, Add	2,421.97	
For Epoxy Resin, Add	285.45	
For Up To >10, Add	2,314.80	
For >10 To 25, Add	1,352.34	
For >25 To 50, Add	984.40	
For >50 To 100, Add	492.20	
For >500 To 1,000, Deduct	-187.62	
For >1,000 To 2,000, Deduct	-283.86	
For >2,000 To 5,000, Deduct	-463.93	
For >5,000, Deduct	-769.97	
33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0233 LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	914.32	
For Vinylster Resin, Add	607.84	
For Epoxy Resin, Add	71.64	
For Up To >10, Add	572.11	
For >10 To 25, Add	332.04	
For >25 To 50, Add	242.64	
For >50 To 100, Add	121.32	
For >500 To 1,000, Deduct	-46.87	
For >1,000 To 2,000, Deduct	-70.87	
For >2,000 To 5,000, Deduct	-115.70	
For >5,000, Deduct	-192.06	
33 01 30 72-0234 LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,035.19	
For Vinylster Resin, Add	688.16	
For Epoxy Resin, Add	81.10	
For Up To >10, Add	647.85	
For >10 To 25, Add	376.02	
For >25 To 50, Add	274.77	
For >50 To 100, Add	137.38	
For >500 To 1,000, Deduct	-53.06	
For >1,000 To 2,000, Deduct	-80.24	
For >2,000 To 5,000, Deduct	-131.00	
For >5,000, Deduct	-217.46	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,155.94	
			<i>For Vinlyester Resin, Add</i>	768.50	
			<i>For Epoxy Resin, Add</i>	90.57	
			<i>For Up To >10, Add</i>	723.20	
			<i>For >10 To 25, Add</i>	419.69	
			<i>For >25 To 50, Add</i>	306.71	
			<i>For >50 To 100, Add</i>	153.35	
			<i>For >500 To 1,000, Deduct</i>	-59.25	
			<i>For >1,000 To 2,000, Deduct</i>	-89.60	
			<i>For >2,000 To 5,000, Deduct</i>	-146.26	
			<i>For >5,000, Deduct</i>	-242.81	
33 01 30	72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,397.69	
			<i>For Vinlyester Resin, Add</i>	929.15	
			<i>For Epoxy Resin, Add</i>	109.51	
			<i>For Up To >10, Add</i>	874.67	
			<i>For >10 To 25, Add</i>	507.67	
			<i>For >25 To 50, Add</i>	370.97	
			<i>For >50 To 100, Add</i>	185.48	
			<i>For >500 To 1,000, Deduct</i>	-71.64	
			<i>For >1,000 To 2,000, Deduct</i>	-108.34	
			<i>For >2,000 To 5,000, Deduct</i>	-176.87	
			<i>For >5,000, Deduct</i>	-293.60	
33 01 30	72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,639.31	
			<i>For Vinlyester Resin, Add</i>	1,089.81	
			<i>For Epoxy Resin, Add</i>	128.44	
			<i>For Up To >10, Add</i>	1,025.76	
			<i>For >10 To 25, Add</i>	595.32	
			<i>For >25 To 50, Add</i>	435.03	
			<i>For >50 To 100, Add</i>	217.52	
			<i>For >500 To 1,000, Deduct</i>	-84.03	
			<i>For >1,000 To 2,000, Deduct</i>	-127.07	
			<i>For >2,000 To 5,000, Deduct</i>	-207.43	
			<i>For >5,000, Deduct</i>	-344.35	
33 01 30	72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,881.06	
			<i>For Vinlyester Resin, Add</i>	1,250.47	
			<i>For Epoxy Resin, Add</i>	147.38	
			<i>For Up To >10, Add</i>	1,177.23	
			<i>For >10 To 25, Add</i>	683.30	
			<i>For >25 To 50, Add</i>	499.30	
			<i>For >50 To 100, Add</i>	249.65	
			<i>For >500 To 1,000, Deduct</i>	-96.42	
			<i>For >1,000 To 2,000, Deduct</i>	-145.81	
			<i>For >2,000 To 5,000, Deduct</i>	-238.04	
			<i>For >5,000, Deduct</i>	-395.15	
33 01 30	72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,122.68	
			<i>For Vinlyester Resin, Add</i>	1,411.12	
			<i>For Epoxy Resin, Add</i>	166.31	
			<i>For Up To >10, Add</i>	1,328.32	
			<i>For >10 To 25, Add</i>	770.95	
			<i>For >25 To 50, Add</i>	563.36	
			<i>For >50 To 100, Add</i>	281.68	
			<i>For >500 To 1,000, Deduct</i>	-108.80	
			<i>For >1,000 To 2,000, Deduct</i>	-164.54	
			<i>For >2,000 To 5,000, Deduct</i>	-268.60	
			<i>For >5,000, Deduct</i>	-445.89	
33 01 30	72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,364.30	
			<i>For Vinlyester Resin, Add</i>	1,571.78	
			<i>For Epoxy Resin, Add</i>	185.25	
			<i>For Up To >10, Add</i>	1,479.40	
			<i>For >10 To 25, Add</i>	858.60	
			<i>For >25 To 50, Add</i>	627.43	
			<i>For >50 To 100, Add</i>	313.72	
			<i>For >500 To 1,000, Deduct</i>	-121.19	
			<i>For >1,000 To 2,000, Deduct</i>	-183.27	
			<i>For >2,000 To 5,000, Deduct</i>	-299.17	
			<i>For >5,000, Deduct</i>	-496.64	
33 01 30	72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,612.57	
			<i>For Vinlyester Resin, Add</i>	1,732.43	
			<i>For Epoxy Resin, Add</i>	204.18	
			<i>For Up To >10, Add</i>	1,650.46	
			<i>For >10 To 25, Add</i>	962.90	
			<i>For >25 To 50, Add</i>	701.49	
			<i>For >50 To 100, Add</i>	350.74	
			<i>For >500 To 1,000, Deduct</i>	-134.07	
			<i>For >1,000 To 2,000, Deduct</i>	-202.83	
			<i>For >2,000 To 5,000, Deduct</i>	-331.41	
			<i>For >5,000, Deduct</i>	-550.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0242 LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,855.28	
For Vinlyester Resin, Add	1,893.09	
For Epoxy Resin, Add	223.11	
For Up To >10, Add	1,804.79	
For >10 To 25, Add	1,053.26	
For >25 To 50, Add	767.17	
For >50 To 100, Add	383.59	
For >500 To 1,000, Deduct	-146.54	
For >1,000 To 2,000, Deduct	-221.69	
For >2,000 To 5,000, Deduct	-362.25	
For >5,000, Deduct	-601.23	
33 01 30 72-0243 LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,097.03	
For Vinlyester Resin, Add	2,053.74	
For Epoxy Resin, Add	242.05	
For Up To >10, Add	1,956.29	
For >10 To 25, Add	1,141.26	
For >25 To 50, Add	831.45	
For >50 To 100, Add	415.72	
For >500 To 1,000, Deduct	-158.93	
For >1,000 To 2,000, Deduct	-240.43	
For >2,000 To 5,000, Deduct	-392.85	
For >5,000, Deduct	-652.03	
33 01 30 72-0244 LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,339.32	
For Vinlyester Resin, Add	2,214.40	
For Epoxy Resin, Add	260.98	
For Up To >10, Add	2,109.39	
For >10 To 25, Add	1,230.58	
For >25 To 50, Add	896.52	
For >50 To 100, Add	448.26	
For >500 To 1,000, Deduct	-171.36	
For >1,000 To 2,000, Deduct	-259.24	
For >2,000 To 5,000, Deduct	-423.58	
For >5,000, Deduct	-703.04	
33 01 30 72-0245 LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,581.62	
For Vinlyester Resin, Add	2,375.06	
For Epoxy Resin, Add	279.92	
For Up To >10, Add	2,262.51	
For >10 To 25, Add	1,319.94	
For >25 To 50, Add	961.61	
For >50 To 100, Add	480.80	
For >500 To 1,000, Deduct	-183.80	
For >1,000 To 2,000, Deduct	-278.06	
For >2,000 To 5,000, Deduct	-454.32	
For >5,000, Deduct	-754.06	
33 01 30 72-0246 LF 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,823.92	
For Vinlyester Resin, Add	2,535.72	
For Epoxy Resin, Add	298.85	
For Up To >10, Add	2,415.64	
For >10 To 25, Add	1,409.29	
For >25 To 50, Add	1,026.70	
For >50 To 100, Add	513.35	
For >500 To 1,000, Deduct	-196.23	
For >1,000 To 2,000, Deduct	-296.87	
For >2,000 To 5,000, Deduct	-485.06	
For >5,000, Deduct	-805.08	
33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0248 LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,078.74	
For Vinlyester Resin, Add	717.79	
For Epoxy Resin, Add	84.60	
For Up To >10, Add	672.67	
For >10 To 25, Add	389.66	
For >25 To 50, Add	285.06	
For >50 To 100, Add	142.53	
For >500 To 1,000, Deduct	-55.27	
For >1,000 To 2,000, Deduct	-83.57	
For >2,000 To 5,000, Deduct	-136.38	
For >5,000, Deduct	-226.41	
33 01 30 72-0249 LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,204.97	
For Vinlyester Resin, Add	801.77	
For Epoxy Resin, Add	94.49	
For Up To >10, Add	751.44	
For >10 To 25, Add	435.30	
For >25 To 50, Add	318.45	
For >50 To 100, Add	159.22	
For >500 To 1,000, Deduct	-61.74	
For >1,000 To 2,000, Deduct	-93.35	
For >2,000 To 5,000, Deduct	-152.34	
For >5,000, Deduct	-252.91	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,457.43	
			For Vinlyester Resin, Add	969.73	
			For Epoxy Resin, Add	114.29	
			For Up To >10, Add	908.97	
			For >10 To 25, Add	526.58	
			For >25 To 50, Add	385.22	
			For >50 To 100, Add	192.61	
			For >500 To 1,000, Deduct	-74.67	
			For >1,000 To 2,000, Deduct	-112.91	
			For >2,000 To 5,000, Deduct	-184.26	
			For >5,000, Deduct	-305.91	
33 01 30	72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,709.75	
			For Vinlyester Resin, Add	1,137.69	
			For Epoxy Resin, Add	134.08	
			For Up To >10, Add	1,066.08	
			For >10 To 25, Add	617.52	
			For >25 To 50, Add	451.77	
			For >50 To 100, Add	225.89	
			For >500 To 1,000, Deduct	-87.60	
			For >1,000 To 2,000, Deduct	-132.46	
			For >2,000 To 5,000, Deduct	-216.15	
			For >5,000, Deduct	-358.85	
33 01 30	72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,962.20	
			For Vinlyester Resin, Add	1,305.65	
			For Epoxy Resin, Add	153.88	
			For Up To >10, Add	1,223.58	
			For >10 To 25, Add	708.78	
			For >25 To 50, Add	518.53	
			For >50 To 100, Add	259.26	
			For >500 To 1,000, Deduct	-100.53	
			For >1,000 To 2,000, Deduct	-152.01	
			For >2,000 To 5,000, Deduct	-248.07	
			For >5,000, Deduct	-411.84	
33 01 30	72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,214.53	
			For Vinlyester Resin, Add	1,473.61	
			For Epoxy Resin, Add	173.68	
			For Up To >10, Add	1,380.69	
			For >10 To 25, Add	799.72	
			For >25 To 50, Add	585.09	
			For >50 To 100, Add	292.54	
			For >500 To 1,000, Deduct	-113.46	
			For >1,000 To 2,000, Deduct	-171.56	
			For >2,000 To 5,000, Deduct	-279.96	
			For >5,000, Deduct	-464.78	
33 01 30	72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,466.99	
			For Vinlyester Resin, Add	1,641.57	
			For Epoxy Resin, Add	193.47	
			For Up To >10, Add	1,538.22	
			For >10 To 25, Add	891.00	
			For >25 To 50, Add	651.86	
			For >50 To 100, Add	325.93	
			For >500 To 1,000, Deduct	-126.40	
			For >1,000 To 2,000, Deduct	-191.12	
			For >2,000 To 5,000, Deduct	-311.88	
			For >5,000, Deduct	-517.78	
33 01 30	72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,726.11	
			For Vinlyester Resin, Add	1,809.53	
			For Epoxy Resin, Add	213.27	
			For Up To >10, Add	1,715.73	
			For >10 To 25, Add	998.94	
			For >25 To 50, Add	728.61	
			For >50 To 100, Add	364.31	
			For >500 To 1,000, Deduct	-139.83	
			For >1,000 To 2,000, Deduct	-211.51	
			For >2,000 To 5,000, Deduct	-345.47	
			For >5,000, Deduct	-573.44	
33 01 30	72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,979.38	
			For Vinlyester Resin, Add	1,977.49	
			For Epoxy Resin, Add	233.06	
			For Up To >10, Add	1,875.69	
			For >10 To 25, Add	1,092.25	
			For >25 To 50, Add	796.60	
			For >50 To 100, Add	398.30	
			For >500 To 1,000, Deduct	-152.83	
			For >1,000 To 2,000, Deduct	-231.17	
			For >2,000 To 5,000, Deduct	-377.60	
			For >5,000, Deduct	-626.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0257 LF 34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,229.93	
For Vinylster Resin, Add	2,145.44	
For Epoxy Resin, Add	252.86	
For Up To >10, Add	2,027.49	
For >10 To 25, Add	1,178.76	
For >25 To 50, Add	860.50	
For >50 To 100, Add	430.25	
For >500 To 1,000, Deduct	-165.62	
For >1,000 To 2,000, Deduct	-250.50	
For >2,000 To 5,000, Deduct	-409.04	
For >5,000, Deduct	-678.99	
33 01 30 72-0258 LF 34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,485.24	
For Vinylster Resin, Add	2,313.40	
For Epoxy Resin, Add	272.65	
For Up To >10, Add	2,193.57	
For >10 To 25, Add	1,277.17	
For >25 To 50, Add	931.54	
For >50 To 100, Add	465.77	
For >500 To 1,000, Deduct	-178.77	
For >1,000 To 2,000, Deduct	-270.41	
For >2,000 To 5,000, Deduct	-441.68	
For >5,000, Deduct	-733.12	
33 01 30 72-0259 LF 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,738.24	
For Vinylster Resin, Add	2,481.36	
For Epoxy Resin, Add	292.45	
For Up To >10, Add	2,352.72	
For >10 To 25, Add	1,369.80	
For >25 To 50, Add	999.12	
For >50 To 100, Add	499.56	
For >500 To 1,000, Deduct	-191.75	
For >1,000 To 2,000, Deduct	-290.04	
For >2,000 To 5,000, Deduct	-473.74	
For >5,000, Deduct	-786.34	
33 01 30 72-0260 LF 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,991.25	
For Vinylster Resin, Add	2,649.33	
For Epoxy Resin, Add	312.24	
For Up To >10, Add	2,511.88	
For >10 To 25, Add	1,462.44	
For >25 To 50, Add	1,066.70	
For >50 To 100, Add	533.35	
For >500 To 1,000, Deduct	-204.73	
For >1,000 To 2,000, Deduct	-309.67	
For >2,000 To 5,000, Deduct	-505.80	
For >5,000, Deduct	-839.55	
33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0262 LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,122.09	
For Vinylster Resin, Add	747.28	
For Epoxy Resin, Add	88.07	
For Up To >10, Add	697.42	
For >10 To 25, Add	403.26	
For >25 To 50, Add	295.33	
For >50 To 100, Add	147.67	
For >500 To 1,000, Deduct	-57.47	
For >1,000 To 2,000, Deduct	-86.88	
For >2,000 To 5,000, Deduct	-141.74	
For >5,000, Deduct	-235.33	
33 01 30 72-0263 LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,253.66	
For Vinylster Resin, Add	834.90	
For Epoxy Resin, Add	98.40	
For Up To >10, Add	779.18	
For >10 To 25, Add	450.53	
For >25 To 50, Add	329.95	
For >50 To 100, Add	164.98	
For >500 To 1,000, Deduct	-64.21	
For >1,000 To 2,000, Deduct	-97.07	
For >2,000 To 5,000, Deduct	-158.36	
For >5,000, Deduct	-262.92	
33 01 30 72-0264 LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,516.83	
For Vinylster Resin, Add	1,010.17	
For Epoxy Resin, Add	119.06	
For Up To >10, Add	942.74	
For >10 To 25, Add	545.10	
For >25 To 50, Add	399.22	
For >50 To 100, Add	199.61	
For >500 To 1,000, Deduct	-77.68	
For >1,000 To 2,000, Deduct	-117.45	
For >2,000 To 5,000, Deduct	-191.60	
For >5,000, Deduct	-318.11	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0265	LF		36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,780.00	
			For Vinlyester Resin, Add	1,185.44	
			For Epoxy Resin, Add	139.71	
			For Up To >10, Add	1,106.30	
			For >10 To 25, Add	639.67	
			For >25 To 50, Add	468.48	
			For >50 To 100, Add	234.24	
			For >500 To 1,000, Deduct	-91.16	
			For >1,000 To 2,000, Deduct	-137.83	
			For >2,000 To 5,000, Deduct	-224.85	
			For >5,000, Deduct	-373.30	
33 01 30 72-0266	LF		36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,043.02	
			For Vinlyester Resin, Add	1,360.70	
			For Epoxy Resin, Add	160.37	
			For Up To >10, Add	1,269.44	
			For >10 To 25, Add	733.89	
			For >25 To 50, Add	537.53	
			For >50 To 100, Add	268.76	
			For >500 To 1,000, Deduct	-104.63	
			For >1,000 To 2,000, Deduct	-158.19	
			For >2,000 To 5,000, Deduct	-258.05	
			For >5,000, Deduct	-428.44	
33 01 30 72-0267	LF		36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,306.18	
			For Vinlyester Resin, Add	1,535.95	
			For Epoxy Resin, Add	181.02	
			For Up To >10, Add	1,432.99	
			For >10 To 25, Add	828.46	
			For >25 To 50, Add	606.78	
			For >50 To 100, Add	303.39	
			For >500 To 1,000, Deduct	-118.11	
			For >1,000 To 2,000, Deduct	-178.56	
			For >2,000 To 5,000, Deduct	-291.30	
			For >5,000, Deduct	-483.63	
33 01 30 72-0268	LF		36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,569.33	
			For Vinlyester Resin, Add	1,711.21	
			For Epoxy Resin, Add	201.68	
			For Up To >10, Add	1,596.52	
			For >10 To 25, Add	923.00	
			For >25 To 50, Add	676.03	
			For >50 To 100, Add	338.01	
			For >500 To 1,000, Deduct	-131.59	
			For >1,000 To 2,000, Deduct	-198.94	
			For >2,000 To 5,000, Deduct	-324.54	
			For >5,000, Deduct	-538.81	
33 01 30 72-0269	LF		36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,839.44	
			For Vinlyester Resin, Add	1,886.48	
			For Epoxy Resin, Add	222.34	
			For Up To >10, Add	1,780.90	
			For >10 To 25, Add	1,034.92	
			For >25 To 50, Add	755.70	
			For >50 To 100, Add	377.85	
			For >500 To 1,000, Deduct	-145.58	
			For >1,000 To 2,000, Deduct	-220.18	
			For >2,000 To 5,000, Deduct	-359.51	
			For >5,000, Deduct	-596.78	
33 01 30 72-0270	LF		36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,103.27	
			For Vinlyester Resin, Add	2,061.74	
			For Epoxy Resin, Add	242.99	
			For Up To >10, Add	1,946.46	
			For >10 To 25, Add	1,131.16	
			For >25 To 50, Add	825.96	
			For >50 To 100, Add	412.98	
			For >500 To 1,000, Deduct	-159.11	
			For >1,000 To 2,000, Deduct	-240.64	
			For >2,000 To 5,000, Deduct	-392.92	
			For >5,000, Deduct	-652.24	
33 01 30 72-0271	LF		36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,362.49	
			For Vinlyester Resin, Add	2,237.00	
			For Epoxy Resin, Add	263.65	
			For Up To >10, Add	2,098.20	
			For >10 To 25, Add	1,215.88	
			For >25 To 50, Add	889.31	
			For >50 To 100, Add	444.66	
			For >500 To 1,000, Deduct	-172.29	
			For >1,000 To 2,000, Deduct	-260.53	
			For >2,000 To 5,000, Deduct	-425.18	
			For >5,000, Deduct	-705.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0272 LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,630.82	
For Vinlyester Resin, Add	2,412.26	
For Epoxy Resin, Add	284.30	
For Up To >10, Add	2,277.24	
For >10 To 25, Add	1,323.35	
For >25 To 50, Add	966.31	
For >50 To 100, Add	483.16	
For >500 To 1,000, Deduct	-186.16	
For >1,000 To 2,000, Deduct	-281.55	
For >2,000 To 5,000, Deduct	-459.71	
For >5,000, Deduct	-763.11	
33 01 30 72-0273 LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,894.66	
For Vinlyester Resin, Add	2,587.52	
For Epoxy Resin, Add	304.96	
For Up To >10, Add	2,442.83	
For >10 To 25, Add	1,419.62	
For >25 To 50, Add	1,036.59	
For >50 To 100, Add	518.30	
For >500 To 1,000, Deduct	-199.69	
For >1,000 To 2,000, Deduct	-302.01	
For >2,000 To 5,000, Deduct	-493.13	
For >5,000, Deduct	-818.57	
33 01 30 72-0274 LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,158.51	
For Vinlyester Resin, Add	2,762.79	
For Epoxy Resin, Add	325.61	
For Up To >10, Add	2,608.43	
For >10 To 25, Add	1,515.89	
For >25 To 50, Add	1,106.87	
For >50 To 100, Add	553.44	
For >500 To 1,000, Deduct	-213.22	
For >1,000 To 2,000, Deduct	-322.47	
For >2,000 To 5,000, Deduct	-526.54	
For >5,000, Deduct	-874.04	
33 01 30 72-0275 LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,422.21	
For Vinlyester Resin, Add	2,938.05	
For Epoxy Resin, Add	346.27	
For Up To >10, Add	2,773.61	
For >10 To 25, Add	1,611.80	
For >25 To 50, Add	1,176.94	
For >50 To 100, Add	588.47	
For >500 To 1,000, Deduct	-226.74	
For >1,000 To 2,000, Deduct	-342.92	
For >2,000 To 5,000, Deduct	-559.92	
For >5,000, Deduct	-929.44	
33 01 30 72-0276 LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,686.05	
For Vinlyester Resin, Add	3,113.31	
For Epoxy Resin, Add	366.93	
For Up To >10, Add	2,939.20	
For >10 To 25, Add	1,708.07	
For >25 To 50, Add	1,247.22	
For >50 To 100, Add	623.61	
For >500 To 1,000, Deduct	-240.26	
For >1,000 To 2,000, Deduct	-363.38	
For >2,000 To 5,000, Deduct	-593.33	
For >5,000, Deduct	-984.90	
33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0278 LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,302.02	
For Vinlyester Resin, Add	867.90	
For Epoxy Resin, Add	102.29	
For Up To >10, Add	806.44	
For >10 To 25, Add	465.39	
For >25 To 50, Add	341.23	
For >50 To 100, Add	170.61	
For >500 To 1,000, Deduct	-66.66	
For >1,000 To 2,000, Deduct	-100.76	
For >2,000 To 5,000, Deduct	-164.32	
For >5,000, Deduct	-272.84	
33 01 30 72-0279 LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,575.89	
For Vinlyester Resin, Add	1,050.46	
For Epoxy Resin, Add	123.80	
For Up To >10, Add	976.02	
For >10 To 25, Add	563.24	
For >25 To 50, Add	412.98	
For >50 To 100, Add	206.49	
For >500 To 1,000, Deduct	-80.68	
For >1,000 To 2,000, Deduct	-121.95	
For >2,000 To 5,000, Deduct	-198.89	
For >5,000, Deduct	-330.22	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0280 LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,849.76	
For Vinlyester Resin, Add	1,233.03	
For Epoxy Resin, Add	145.32	
For Up To >10, Add	1,145.61	
For >10 To 25, Add	661.09	
For >25 To 50, Add	484.73	
For >50 To 100, Add	242.36	
For >500 To 1,000, Deduct	-94.70	
For >1,000 To 2,000, Deduct	-143.15	
For >2,000 To 5,000, Deduct	-233.45	
For >5,000, Deduct	-387.61	
33 01 30 72-0281 LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,123.61	
For Vinlyester Resin, Add	1,415.59	
For Epoxy Resin, Add	166.84	
For Up To >10, Add	1,315.16	
For >10 To 25, Add	758.92	
For >25 To 50, Add	556.46	
For >50 To 100, Add	278.23	
For >500 To 1,000, Deduct	-108.71	
For >1,000 To 2,000, Deduct	-164.34	
For >2,000 To 5,000, Deduct	-268.01	
For >5,000, Deduct	-444.99	
33 01 30 72-0282 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,397.49	
For Vinlyester Resin, Add	1,598.16	
For Epoxy Resin, Add	188.35	
For Up To >10, Add	1,484.77	
For >10 To 25, Add	856.80	
For >25 To 50, Add	628.23	
For >50 To 100, Add	314.12	
For >500 To 1,000, Deduct	-122.73	
For >1,000 To 2,000, Deduct	-185.53	
For >2,000 To 5,000, Deduct	-302.57	
For >5,000, Deduct	-502.38	
33 01 30 72-0283 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,671.35	
For Vinlyester Resin, Add	1,780.72	
For Epoxy Resin, Add	209.87	
For Up To >10, Add	1,654.33	
For >10 To 25, Add	954.62	
For >25 To 50, Add	699.97	
For >50 To 100, Add	349.98	
For >500 To 1,000, Deduct	-136.75	
For >1,000 To 2,000, Deduct	-206.72	
For >2,000 To 5,000, Deduct	-337.13	
For >5,000, Deduct	-559.76	
33 01 30 72-0284 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,952.28	
For Vinlyester Resin, Add	1,963.28	
For Epoxy Resin, Add	231.39	
For Up To >10, Add	1,845.12	
For >10 To 25, Add	1,070.15	
For >25 To 50, Add	782.32	
For >50 To 100, Add	391.16	
For >500 To 1,000, Deduct	-151.30	
For >1,000 To 2,000, Deduct	-228.80	
For >2,000 To 5,000, Deduct	-373.46	
For >5,000, Deduct	-619.97	
33 01 30 72-0285 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,226.83	
For Vinlyester Resin, Add	2,145.84	
For Epoxy Resin, Add	252.90	
For Up To >10, Add	2,016.77	
For >10 To 25, Add	1,169.72	
For >25 To 50, Add	855.11	
For >50 To 100, Add	427.55	
For >500 To 1,000, Deduct	-165.38	
For >1,000 To 2,000, Deduct	-250.08	
For >2,000 To 5,000, Deduct	-408.19	
For >5,000, Deduct	-677.63	
33 01 30 72-0286 LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,499.06	
For Vinlyester Resin, Add	2,328.41	
For Epoxy Resin, Add	274.42	
For Up To >10, Add	2,181.43	
For >10 To 25, Add	1,263.48	
For >25 To 50, Add	924.40	
For >50 To 100, Add	462.20	
For >500 To 1,000, Deduct	-179.27	
For >1,000 To 2,000, Deduct	-271.07	
For >2,000 To 5,000, Deduct	-442.35	
For >5,000, Deduct	-734.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0287 LF 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,775.93	
For Vinylster Resin, Add	2,510.98	
For Epoxy Resin, Add	295.94	
For Up To >10, Add	2,360.02	
For >10 To 25, Add	1,368.83	
For >25 To 50, Add	1,000.65	
For >50 To 100, Add	500.33	
For >500 To 1,000, Deduct	-193.52	
For >1,000 To 2,000, Deduct	-292.64	
For >2,000 To 5,000, Deduct	-477.66	
For >5,000, Deduct	-792.95	
33 01 30 72-0288 LF 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,050.46	
For Vinylster Resin, Add	2,693.54	
For Epoxy Resin, Add	317.45	
For Up To >10, Add	2,531.61	
For >10 To 25, Add	1,468.35	
For >25 To 50, Add	1,073.41	
For >50 To 100, Add	536.70	
For >500 To 1,000, Deduct	-207.59	
For >1,000 To 2,000, Deduct	-313.91	
For >2,000 To 5,000, Deduct	-512.39	
For >5,000, Deduct	-850.60	
33 01 30 72-0289 LF 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,324.88	
For Vinylster Resin, Add	2,876.10	
For Epoxy Resin, Add	338.97	
For Up To >10, Add	2,702.84	
For >10 To 25, Add	1,567.58	
For >25 To 50, Add	1,145.98	
For >50 To 100, Add	572.99	
For >500 To 1,000, Deduct	-221.65	
For >1,000 To 2,000, Deduct	-335.17	
For >2,000 To 5,000, Deduct	-547.09	
For >5,000, Deduct	-908.21	
33 01 30 72-0290 LF 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,599.43	
For Vinylster Resin, Add	3,058.67	
For Epoxy Resin, Add	360.49	
For Up To >10, Add	2,874.47	
For >10 To 25, Add	1,667.13	
For >25 To 50, Add	1,218.76	
For >50 To 100, Add	609.38	
For >500 To 1,000, Deduct	-235.72	
For >1,000 To 2,000, Deduct	-356.45	
For >2,000 To 5,000, Deduct	-581.82	
For >5,000, Deduct	-965.87	
33 01 30 72-0291 LF 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,873.97	
For Vinylster Resin, Add	3,241.23	
For Epoxy Resin, Add	382.00	
For Up To >10, Add	3,046.09	
For >10 To 25, Add	1,766.68	
For >25 To 50, Add	1,291.53	
For >50 To 100, Add	645.76	
For >500 To 1,000, Deduct	-249.79	
For >1,000 To 2,000, Deduct	-377.73	
For >2,000 To 5,000, Deduct	-616.55	
For >5,000, Deduct	-1,023.52	
33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0293 LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,634.75	
For Vinylster Resin, Add	1,090.61	
For Epoxy Resin, Add	128.54	
For Up To >10, Add	1,009.20	
For >10 To 25, Add	581.33	
For >25 To 50, Add	426.70	
For >50 To 100, Add	213.35	
For >500 To 1,000, Deduct	-83.66	
For >1,000 To 2,000, Deduct	-126.44	
For >2,000 To 5,000, Deduct	-206.14	
For >5,000, Deduct	-342.30	
33 01 30 72-0294 LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,919.31	
For Vinylster Resin, Add	1,280.48	
For Epoxy Resin, Add	150.91	
For Up To >10, Add	1,184.78	
For >10 To 25, Add	682.44	
For >25 To 50, Add	500.93	
For >50 To 100, Add	250.46	
For >500 To 1,000, Deduct	-98.22	
For >1,000 To 2,000, Deduct	-148.45	
For >2,000 To 5,000, Deduct	-242.02	
For >5,000, Deduct	-401.87	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,203.89	
			For Vinlyester Resin, Add	1,470.35	
			For Epoxy Resin, Add	173.29	
			For Up To >10, Add	1,360.42	
			For >10 To 25, Add	783.60	
			For >25 To 50, Add	575.19	
			For >50 To 100, Add	287.59	
			For >500 To 1,000, Deduct	-112.78	
			For >1,000 To 2,000, Deduct	-170.46	
			For >2,000 To 5,000, Deduct	-277.91	
			For >5,000, Deduct	-461.46	
33 01 30	72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,488.45	
			For Vinlyester Resin, Add	1,660.21	
			For Epoxy Resin, Add	195.67	
			For Up To >10, Add	1,536.03	
			For >10 To 25, Add	884.73	
			For >25 To 50, Add	649.43	
			For >50 To 100, Add	324.71	
			For >500 To 1,000, Deduct	-127.34	
			For >1,000 To 2,000, Deduct	-192.47	
			For >2,000 To 5,000, Deduct	-313.79	
			For >5,000, Deduct	-521.03	
33 01 30	72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,773.16	
			For Vinlyester Resin, Add	1,850.08	
			For Epoxy Resin, Add	218.05	
			For Up To >10, Add	1,712.06	
			For >10 To 25, Add	986.22	
			For >25 To 50, Add	723.88	
			For >50 To 100, Add	361.94	
			For >500 To 1,000, Deduct	-141.91	
			For >1,000 To 2,000, Deduct	-214.50	
			For >2,000 To 5,000, Deduct	-349.70	
			For >5,000, Deduct	-580.67	
33 01 30	72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,064.80	
			For Vinlyester Resin, Add	2,039.95	
			For Epoxy Resin, Add	240.42	
			For Up To >10, Add	1,908.88	
			For >10 To 25, Add	1,105.03	
			For >25 To 50, Add	808.73	
			For >50 To 100, Add	404.36	
			For >500 To 1,000, Deduct	-157.00	
			For >1,000 To 2,000, Deduct	-237.39	
			For >2,000 To 5,000, Deduct	-387.35	
			For >5,000, Deduct	-643.08	
33 01 30	72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,350.04	
			For Vinlyester Resin, Add	2,229.81	
			For Epoxy Resin, Add	262.80	
			For Up To >10, Add	2,086.52	
			For >10 To 25, Add	1,207.86	
			For >25 To 50, Add	883.99	
			For >50 To 100, Add	441.99	
			For >500 To 1,000, Deduct	-171.62	
			For >1,000 To 2,000, Deduct	-259.48	
			For >2,000 To 5,000, Deduct	-423.40	
			For >5,000, Deduct	-702.93	
33 01 30	72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,635.30	
			For Vinlyester Resin, Add	2,419.68	
			For Epoxy Resin, Add	285.18	
			For Up To >10, Add	2,264.20	
			For >10 To 25, Add	1,310.72	
			For >25 To 50, Add	959.27	
			For >50 To 100, Add	479.63	
			For >500 To 1,000, Deduct	-186.23	
			For >1,000 To 2,000, Deduct	-281.58	
			For >2,000 To 5,000, Deduct	-459.46	
			For >5,000, Deduct	-762.78	
33 01 30	72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,920.69	
			For Vinlyester Resin, Add	2,609.54	
			For Epoxy Resin, Add	307.55	
			For Up To >10, Add	2,442.27	
			For >10 To 25, Add	1,413.91	
			For >25 To 50, Add	1,034.74	
			For >50 To 100, Add	517.37	
			For >500 To 1,000, Deduct	-200.85	
			For >1,000 To 2,000, Deduct	-303.69	
			For >2,000 To 5,000, Deduct	-495.54	
			For >5,000, Deduct	-822.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0302 LF 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,205.93	
For Vinylster Resin, Add	2,799.41	
For Epoxy Resin, Add	329.93	
For Up To >10, Add	2,619.89	
For >10 To 25, Add	1,516.72	
For >25 To 50, Add	1,109.99	
For >50 To 100, Add	554.99	
For >500 To 1,000, Deduct	-215.47	
For >1,000 To 2,000, Deduct	-325.78	
For >2,000 To 5,000, Deduct	-531.59	
For >5,000, Deduct	-882.54	
33 01 30 72-0303 LF 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,491.18	
For Vinylster Resin, Add	2,989.28	
For Epoxy Resin, Add	352.31	
For Up To >10, Add	2,797.54	
For >10 To 25, Add	1,619.55	
For >25 To 50, Add	1,185.25	
For >50 To 100, Add	592.63	
For >500 To 1,000, Deduct	-230.08	
For >1,000 To 2,000, Deduct	-347.88	
For >2,000 To 5,000, Deduct	-567.64	
For >5,000, Deduct	-942.39	
33 01 30 72-0304 LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,776.44	
For Vinylster Resin, Add	3,179.15	
For Epoxy Resin, Add	374.69	
For Up To >10, Add	2,975.22	
For >10 To 25, Add	1,722.41	
For >25 To 50, Add	1,260.53	
For >50 To 100, Add	630.26	
For >500 To 1,000, Deduct	-244.69	
For >1,000 To 2,000, Deduct	-369.97	
For >2,000 To 5,000, Deduct	-603.70	
For >5,000, Deduct	-1,002.25	
33 01 30 72-0305 LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,061.69	
For Vinylster Resin, Add	3,369.02	
For Epoxy Resin, Add	397.06	
For Up To >10, Add	3,152.87	
For >10 To 25, Add	1,825.25	
For >25 To 50, Add	1,335.79	
For >50 To 100, Add	667.90	
For >500 To 1,000, Deduct	-259.30	
For >1,000 To 2,000, Deduct	-392.07	
For >2,000 To 5,000, Deduct	-639.75	
For >5,000, Deduct	-1,062.10	
33 01 30 72-0306 LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,346.93	
For Vinylster Resin, Add	3,558.88	
For Epoxy Resin, Add	419.44	
For Up To >10, Add	3,330.52	
For >10 To 25, Add	1,928.08	
For >25 To 50, Add	1,411.05	
For >50 To 100, Add	705.53	
For >500 To 1,000, Deduct	-273.92	
For >1,000 To 2,000, Deduct	-414.16	
For >2,000 To 5,000, Deduct	-675.80	
For >5,000, Deduct	-1,121.95	
33 01 30 72-0307 LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,632.18	
For Vinylster Resin, Add	3,748.75	
For Epoxy Resin, Add	441.82	
For Up To >10, Add	3,508.17	
For >10 To 25, Add	2,030.91	
For >25 To 50, Add	1,486.32	
For >50 To 100, Add	743.16	
For >500 To 1,000, Deduct	-288.53	
For >1,000 To 2,000, Deduct	-436.26	
For >2,000 To 5,000, Deduct	-711.85	
For >5,000, Deduct	-1,181.80	
 33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015).....	 1,988.53	
33 01 30 72-0309 LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,327.79	
For Vinylster Resin, Add	156.49	
For Epoxy Resin, Add	1,223.49	
For Up To >10, Add	703.44	
For >10 To 25, Add	516.90	
For >25 To 50, Add	258.45	
For >50 To 100, Add	-101.72	
For >500 To 1,000, Deduct	-153.72	
For >1,000 To 2,000, Deduct	-250.54	
For >2,000 To 5,000, Deduct	-416.04	
For >5,000, Deduct		

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,283.80	
			For Vinlyester Resin, Add	1,524.96	
			For Epoxy Resin, Add	179.73	
			For Up To >10, Add	1,405.13	
			For >10 To 25, Add	807.85	
			For >25 To 50, Add	593.64	
			For >50 To 100, Add	296.82	
			For >500 To 1,000, Deduct	-116.82	
			For >1,000 To 2,000, Deduct	-176.55	
			For >2,000 To 5,000, Deduct	-287.74	
			For >5,000, Deduct	-477.82	
33 01 30	72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,579.08	
			For Vinlyester Resin, Add	1,722.13	
			For Epoxy Resin, Add	202.96	
			For Up To >10, Add	1,586.79	
			For >10 To 25, Add	912.30	
			For >25 To 50, Add	670.39	
			For >50 To 100, Add	335.19	
			For >500 To 1,000, Deduct	-131.93	
			For >1,000 To 2,000, Deduct	-199.38	
			For >2,000 To 5,000, Deduct	-324.95	
			For >5,000, Deduct	-539.60	
33 01 30	72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,874.34	
			For Vinlyester Resin, Add	1,919.30	
			For Epoxy Resin, Add	226.20	
			For Up To >10, Add	1,768.40	
			For >10 To 25, Add	1,016.69	
			For >25 To 50, Add	747.11	
			For >50 To 100, Add	373.55	
			For >500 To 1,000, Deduct	-147.03	
			For >1,000 To 2,000, Deduct	-222.20	
			For >2,000 To 5,000, Deduct	-362.14	
			For >5,000, Deduct	-601.37	
33 01 30	72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,176.97	
			For Vinlyester Resin, Add	2,116.46	
			For Epoxy Resin, Add	249.44	
			For Up To >10, Add	1,972.11	
			For >10 To 25, Add	1,139.51	
			For >25 To 50, Add	834.88	
			For >50 To 100, Add	417.44	
			For >500 To 1,000, Deduct	-162.68	
			For >1,000 To 2,000, Deduct	-245.95	
			For >2,000 To 5,000, Deduct	-401.18	
			For >5,000, Deduct	-666.08	
33 01 30	72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,472.92	
			For Vinlyester Resin, Add	2,313.63	
			For Epoxy Resin, Add	272.68	
			For Up To >10, Add	2,155.79	
			For >10 To 25, Add	1,245.62	
			For >25 To 50, Add	912.63	
			For >50 To 100, Add	456.32	
			For >500 To 1,000, Deduct	-177.84	
			For >1,000 To 2,000, Deduct	-268.86	
			For >2,000 To 5,000, Deduct	-438.56	
			For >5,000, Deduct	-728.13	
33 01 30	72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,768.88	
			For Vinlyester Resin, Add	2,510.80	
			For Epoxy Resin, Add	295.92	
			For Up To >10, Add	2,339.49	
			For >10 To 25, Add	1,351.77	
			For >25 To 50, Add	990.40	
			For >50 To 100, Add	495.20	
			For >500 To 1,000, Deduct	-192.99	
			For >1,000 To 2,000, Deduct	-291.77	
			For >2,000 To 5,000, Deduct	-475.93	
			For >5,000, Deduct	-790.18	
33 01 30	72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,064.83	
			For Vinlyester Resin, Add	2,707.97	
			For Epoxy Resin, Add	319.15	
			For Up To >10, Add	2,523.17	
			For >10 To 25, Add	1,457.88	
			For >25 To 50, Add	1,068.16	
			For >50 To 100, Add	534.08	
			For >500 To 1,000, Deduct	-208.15	
			For >1,000 To 2,000, Deduct	-314.68	
			For >2,000 To 5,000, Deduct	-513.30	
			For >5,000, Deduct	-852.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0317 LF 40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,360.78	
For Vinylster Resin, Add	2,905.14	
For Epoxy Resin, Add	342.39	
For Up To >10, Add	2,706.84	
For >10 To 25, Add	1,564.00	
For >25 To 50, Add	1,145.91	
For >50 To 100, Add	572.96	
For >500 To 1,000, Deduct	-223.30	
For >1,000 To 2,000, Deduct	-337.59	
For >2,000 To 5,000, Deduct	-550.67	
For >5,000, Deduct	-914.27	
33 01 30 72-0318 LF 40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,956.73	
For Vinylster Resin, Add	3,102.31	
For Epoxy Resin, Add	365.63	
For Up To >10, Add	2,890.52	
For >10 To 25, Add	1,670.12	
For >25 To 50, Add	1,223.66	
For >50 To 100, Add	611.83	
For >500 To 1,000, Deduct	-238.46	
For >1,000 To 2,000, Deduct	-360.50	
For >2,000 To 5,000, Deduct	-588.04	
For >5,000, Deduct	-976.32	
33 01 30 72-0319 LF 40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,952.69	
For Vinylster Resin, Add	3,299.48	
For Epoxy Resin, Add	388.87	
For Up To >10, Add	3,074.22	
For >10 To 25, Add	1,776.26	
For >25 To 50, Add	1,301.43	
For >50 To 100, Add	650.72	
For >500 To 1,000, Deduct	-253.61	
For >1,000 To 2,000, Deduct	-383.41	
For >2,000 To 5,000, Deduct	-625.41	
For >5,000, Deduct	-1,038.37	
33 01 30 72-0320 LF 40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,248.64	
For Vinylster Resin, Add	3,496.65	
For Epoxy Resin, Add	412.10	
For Up To >10, Add	3,257.90	
For >10 To 25, Add	1,882.38	
For >25 To 50, Add	1,379.19	
For >50 To 100, Add	689.59	
For >500 To 1,000, Deduct	-268.77	
For >1,000 To 2,000, Deduct	-406.32	
For >2,000 To 5,000, Deduct	-662.78	
For >5,000, Deduct	-1,100.41	
33 01 30 72-0321 LF 40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,544.60	
For Vinylster Resin, Add	3,693.82	
For Epoxy Resin, Add	435.34	
For Up To >10, Add	3,441.60	
For >10 To 25, Add	1,988.52	
For >25 To 50, Add	1,456.96	
For >50 To 100, Add	728.48	
For >500 To 1,000, Deduct	-283.92	
For >1,000 To 2,000, Deduct	-429.23	
For >2,000 To 5,000, Deduct	-700.16	
For >5,000, Deduct	-1,162.46	
33 01 30 72-0322 LF 40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,840.56	
For Vinylster Resin, Add	3,890.99	
For Epoxy Resin, Add	458.58	
For Up To >10, Add	3,625.28	
For >10 To 25, Add	2,094.64	
For >25 To 50, Add	1,534.71	
For >50 To 100, Add	767.36	
For >500 To 1,000, Deduct	-299.08	
For >1,000 To 2,000, Deduct	-452.14	
For >2,000 To 5,000, Deduct	-737.53	
For >5,000, Deduct	-1,224.51	
33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)	2,363.38	
33 01 30 72-0324 LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,363.38	
For Vinylster Resin, Add	1,579.42	
For Epoxy Resin, Add	186.15	
For Up To >10, Add	1,449.34	
For >10 To 25, Add	831.73	
For >25 To 50, Add	611.85	
For >50 To 100, Add	305.93	
For >500 To 1,000, Deduct	-120.85	
For >1,000 To 2,000, Deduct	-182.61	
For >2,000 To 5,000, Deduct	-297.52	
For >5,000, Deduct	-494.09	

33 Utilities
33 01 Operation and Maintenance of Utilities
33 01 30 Operation and Maintenance of Sewer Utilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,669.36	
			For Vinlyester Resin, Add	1,783.90	
			For Epoxy Resin, Add	210.25	
			For Up To >10, Add	1,637.01	
			For >10 To 25, Add	939.43	
			For >25 To 50, Add	691.08	
			For >50 To 100, Add	345.54	
			For >500 To 1,000, Deduct	-136.49	
			For >1,000 To 2,000, Deduct	-206.25	
			For >2,000 To 5,000, Deduct	-336.04	
			For >5,000, Deduct	-558.06	
33 01 30	72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,975.34	
			For Vinlyester Resin, Add	1,988.37	
			For Epoxy Resin, Add	234.34	
			For Up To >10, Add	1,824.70	
			For >10 To 25, Add	1,047.16	
			For >25 To 50, Add	770.32	
			For >50 To 100, Add	385.16	
			For >500 To 1,000, Deduct	-152.14	
			For >1,000 To 2,000, Deduct	-229.89	
			For >2,000 To 5,000, Deduct	-374.57	
			For >5,000, Deduct	-622.03	
33 01 30	72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,288.80	
			For Vinlyester Resin, Add	2,192.84	
			For Epoxy Resin, Add	258.44	
			For Up To >10, Add	2,034.83	
			For >10 To 25, Add	1,173.58	
			For >25 To 50, Add	860.78	
			For >50 To 100, Add	430.39	
			For >500 To 1,000, Deduct	-168.34	
			For >1,000 To 2,000, Deduct	-254.47	
			For >2,000 To 5,000, Deduct	-414.96	
			For >5,000, Deduct	-688.99	
33 01 30	72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,595.46	
			For Vinlyester Resin, Add	2,397.31	
			For Epoxy Resin, Add	282.54	
			For Up To >10, Add	2,224.56	
			For >10 To 25, Add	1,283.01	
			For >25 To 50, Add	941.04	
			For >50 To 100, Add	470.52	
			For >500 To 1,000, Deduct	-184.04	
			For >1,000 To 2,000, Deduct	-278.20	
			For >2,000 To 5,000, Deduct	-453.65	
			For >5,000, Deduct	-753.24	
33 01 30	72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,902.11	
			For Vinlyester Resin, Add	2,601.78	
			For Epoxy Resin, Add	306.64	
			For Up To >10, Add	2,414.26	
			For >10 To 25, Add	1,392.41	
			For >25 To 50, Add	1,021.29	
			For >50 To 100, Add	510.64	
			For >500 To 1,000, Deduct	-199.74	
			For >1,000 To 2,000, Deduct	-301.92	
			For >2,000 To 5,000, Deduct	-492.34	
			For >5,000, Deduct	-817.48	
33 01 30	72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,208.77	
			For Vinlyester Resin, Add	2,806.26	
			For Epoxy Resin, Add	330.74	
			For Up To >10, Add	2,603.96	
			For >10 To 25, Add	1,501.81	
			For >25 To 50, Add	1,101.53	
			For >50 To 100, Add	550.77	
			For >500 To 1,000, Deduct	-215.43	
			For >1,000 To 2,000, Deduct	-325.65	
			For >2,000 To 5,000, Deduct	-531.03	
			For >5,000, Deduct	-881.72	
33 01 30	72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,515.43	
			For Vinlyester Resin, Add	3,010.73	
			For Epoxy Resin, Add	354.84	
			For Up To >10, Add	2,793.69	
			For >10 To 25, Add	1,611.24	
			For >25 To 50, Add	1,181.79	
			For >50 To 100, Add	590.90	
			For >500 To 1,000, Deduct	-231.13	
			For >1,000 To 2,000, Deduct	-349.38	
			For >2,000 To 5,000, Deduct	-569.72	
			For >5,000, Deduct	-945.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0332 LF 42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,822.08	
For Vinlyester Resin, Add	3,215.20	
For Epoxy Resin, Add	378.93	
For Up To >10, Add	2,983.39	
For >10 To 25, Add	1,720.64	
For >25 To 50, Add	1,262.04	
For >50 To 100, Add	631.02	
For >500 To 1,000, Deduct	-246.83	
For >1,000 To 2,000, Deduct	-373.10	
For >2,000 To 5,000, Deduct	-608.41	
For >5,000, Deduct	-1,010.20	
33 01 30 72-0333 LF 42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,128.74	
For Vinlyester Resin, Add	3,419.67	
For Epoxy Resin, Add	403.03	
For Up To >10, Add	3,173.12	
For >10 To 25, Add	1,830.06	
For >25 To 50, Add	1,342.30	
For >50 To 100, Add	671.15	
For >500 To 1,000, Deduct	-262.52	
For >1,000 To 2,000, Deduct	-396.83	
For >2,000 To 5,000, Deduct	-647.10	
For >5,000, Deduct	-1,074.45	
33 01 30 72-0334 LF 42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,435.41	
For Vinlyester Resin, Add	3,624.15	
For Epoxy Resin, Add	427.13	
For Up To >10, Add	3,362.86	
For >10 To 25, Add	1,939.49	
For >25 To 50, Add	1,422.56	
For >50 To 100, Add	711.28	
For >500 To 1,000, Deduct	-278.22	
For >1,000 To 2,000, Deduct	-420.56	
For >2,000 To 5,000, Deduct	-685.80	
For >5,000, Deduct	-1,138.69	
33 01 30 72-0335 LF 42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,742.06	
For Vinlyester Resin, Add	3,828.62	
For Epoxy Resin, Add	451.23	
For Up To >10, Add	3,552.56	
For >10 To 25, Add	2,048.89	
For >25 To 50, Add	1,502.81	
For >50 To 100, Add	751.40	
For >500 To 1,000, Deduct	-293.92	
For >1,000 To 2,000, Deduct	-444.29	
For >2,000 To 5,000, Deduct	-724.49	
For >5,000, Deduct	-1,202.93	
33 01 30 72-0336 LF 42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	6,048.72	
For Vinlyester Resin, Add	4,033.09	
For Epoxy Resin, Add	475.33	
For Up To >10, Add	3,742.29	
For >10 To 25, Add	2,158.31	
For >25 To 50, Add	1,583.07	
For >50 To 100, Add	791.53	
For >500 To 1,000, Deduct	-309.62	
For >1,000 To 2,000, Deduct	-468.01	
For >2,000 To 5,000, Deduct	-763.18	
For >5,000, Deduct	-1,267.18	

33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)

33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)

33 01 30 74-0003 EA Cut Liner For Laterals, Up To 4" (Robotic).....	558.02
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic).....	603.27
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic).....	640.97
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic).....	678.68
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic).....	716.38

33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)

33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)

33 01 30 74-0010 EA Grout Up To 4" Lateral Service - Bladder.....	597.28
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder.....	685.49
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder.....	773.69

33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)

33 01 30 74-0014 EA Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	650.41
33 01 30 74-0015 EA Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	703.55

33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)

Note: As manufactured by LMK.

33 01 30 74-0017 EA Up To 4" Lateral T-Liner.....	792.48
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33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 01 30 74-0018	EA	6" Lateral T-Liner		888.63	
33 01 30 74-0019	EA	8" Lateral T-Liner		1,033.18	
33 01 30 74-0020		Lining Lateral Pipe <small>(33 01 30 74-0001)</small>			
33 01 30 74-0021		Lining Lateral Pipe <small>(33 01 30 74-0020)</small>			
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)		40.64	
		<i>For 7.5mm, Add</i>		4.56	
		<i>For 9 mm, Add</i>		9.02	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)		48.63	
		<i>For 7.5mm, Add</i>		6.21	
		<i>For 9 mm, Add</i>		12.28	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)		63.56	
		<i>For 7.5mm, Add</i>		9.51	
		<i>For 9 mm, Add</i>		18.81	
33 01 30 79		Fold-and-Form Pipe Lining <small>(33 01 30)</small>			
33 01 30 79-0001		Form and Fold Relining Underground Pipelines <small>(33 01 30 79)</small>			
		Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.			
33 01 30 79-0002		Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion <small>(33 01 30 79-0001)</small>			
33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines		5,441.40	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines		2,176.55	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner <small>(33 01 30 79-0001)</small>			
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		59.88	
		<i>For DR 26 Pipe Liner, Add</i>		12.06	
		<i>For Up To 75, Add</i>		27.13	
		<i>For >75 To 150, Add</i>		13.57	
		<i>For >500 To 1,000, Deduct</i>		-0.87	
		<i>For >1,000 To 2,000, Deduct</i>		-1.75	
		<i>For >2,000, Deduct</i>		-3.50	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		78.06	
		<i>For DR 26 Pipe Liner, Add</i>		16.38	
		<i>For DR 35 Pipe Liner, Deduct</i>		-8.19	
		<i>For Up To 75, Add</i>		31.93	
		<i>For >75 To 150, Add</i>		15.96	
		<i>For >500 To 1,000, Deduct</i>		-0.94	
		<i>For >1,000 To 2,000, Deduct</i>		-1.88	
		<i>For >2,000, Deduct</i>		-3.77	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		80.33	
		<i>For DR 26 Pipe Liner, Add</i>		16.68	
		<i>For DR 35 Pipe Liner, Deduct</i>		-8.34	
		<i>For Up To 75, Add</i>		33.76	
		<i>For >75 To 150, Add</i>		16.88	
		<i>For >500 To 1,000, Deduct</i>		-1.02	
		<i>For >1,000 To 2,000, Deduct</i>		-2.04	
		<i>For >2,000, Deduct</i>		-4.08	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		114.93	
		<i>For DR 26 Pipe Liner, Add</i>		25.02	
		<i>For DR 35 Pipe Liner, Deduct</i>		-12.51	
		<i>For DR 41 Pipe Liner, Deduct</i>		-25.02	
		<i>For Up To 75, Add</i>		42.28	
		<i>For >75 To 150, Add</i>		21.14	
		<i>For >500 To 1,000, Deduct</i>		-1.11	
		<i>For >1,000 To 2,000, Deduct</i>		-2.23	
		<i>For >2,000, Deduct</i>		-4.45	
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		162.81	
		<i>For DR 26 Pipe Liner, Add</i>		36.62	
		<i>For DR 35 Pipe Liner, Deduct</i>		-18.31	
		<i>For DR 41 Pipe Liner, Deduct</i>		-36.62	
		<i>For Up To 75, Add</i>		53.78	
		<i>For >75 To 150, Add</i>		26.89	
		<i>For >500 To 1,000, Deduct</i>		-1.22	
		<i>For >1,000 To 2,000, Deduct</i>		-2.45	
		<i>For >2,000, Deduct</i>		-4.90	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5		224.79	
		<i>For DR 35 Pipe Liner, Deduct</i>		-25.78	
		<i>For DR 41 Pipe Liner, Deduct</i>		-51.56	
		<i>For Up To 75, Add</i>		69.07	
		<i>For >75 To 150, Add</i>		34.54	
		<i>For >500 To 1,000, Deduct</i>		-1.39	
		<i>For >1,000 To 2,000, Deduct</i>		-2.78	
		<i>For >2,000, Deduct</i>		-5.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0012 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	319.98	
For DR 41 Pipe Liner, Deduct	-29.91	
For DR 50 Pipe Liner, Deduct	-59.81	
For Up To 75, Add	91.21	
For >75 To 150, Add	45.60	
For >500 To 1,000, Deduct	-1.57	
For >1,000 To 2,000, Deduct	-3.14	
For >2,000, Deduct	-6.28	
33 01 30 79-0013 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	362.36	
For DR 50 Pipe Liner, Deduct	-50.95	
For DR 55 Pipe Liner, Deduct	-84.92	
For Up To 75, Add	101.94	
For >75 To 150, Add	50.97	
For >500 To 1,000, Deduct	-1.70	
For >1,000 To 2,000, Deduct	-3.40	
For >2,000, Deduct	-6.80	
33 01 30 79-0014 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	443.27	
For DR 60 Pipe Liner, Deduct	-62.78	
For Up To 75, Add	120.80	
For >75 To 150, Add	60.40	
For >500 To 1,000, Deduct	-1.85	
For >1,000 To 2,000, Deduct	-3.71	
For >2,000, Deduct	-7.42	
33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner <small>(33 01 30 79-0001)</small>		
33 01 30 79-0016 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	64.43	
For Up To 75, Add	28.04	
For >75 To 150, Add	14.02	
For >500 To 1,000, Deduct	-0.87	
For >1,000 To 2,000, Deduct	-1.75	
For >2,000, Deduct	-3.50	
For DR 26 Pipe Liner, Add	13.19	
33 01 30 79-0017 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	78.06	
For Up To 75, Add	31.93	
For >75 To 150, Add	15.96	
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 2,000, Deduct	-1.88	
For >2,000, Deduct	-3.77	
For DR 26 Pipe Liner, Add	16.38	
For DR 35 Pipe Liner, Deduct	-8.19	
33 01 30 79-0018 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	86.40	
For Up To 75, Add	34.97	
For >75 To 150, Add	17.49	
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 2,000, Deduct	-2.04	
For >2,000, Deduct	-4.08	
For DR 26 Pipe Liner, Add	18.20	
For DR 35 Pipe Liner, Deduct	-9.10	
33 01 30 79-0019 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	124.03	
For Up To 75, Add	44.10	
For >75 To 150, Add	22.05	
For >500 To 1,000, Deduct	-1.11	
For >1,000 To 2,000, Deduct	-2.23	
For >2,000, Deduct	-4.45	
For DR 26 Pipe Liner, Add	27.30	
For DR 35 Pipe Liner, Deduct	-13.65	
For DR 41 Pipe Liner, Deduct	-27.30	
33 01 30 79-0020 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	176.46	
For Up To 75, Add	56.51	
For >75 To 150, Add	28.25	
For >500 To 1,000, Deduct	-1.22	
For >1,000 To 2,000, Deduct	-2.45	
For >2,000, Deduct	-4.90	
For DR 26 Pipe Liner, Add	40.04	
For DR 35 Pipe Liner, Deduct	-20.02	
For DR 41 Pipe Liner, Deduct	-40.04	
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	244.20	
For Up To 75, Add	72.96	
For >75 To 150, Add	36.48	
For >500 To 1,000, Deduct	-1.39	
For >1,000 To 2,000, Deduct	-2.78	
For >2,000, Deduct	-5.57	
For DR 35 Pipe Liner, Deduct	-28.21	
For DR 41 Pipe Liner, Deduct	-56.41	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	348.49	
For Up To 75, Add	96.91	
For >75 To 150, Add	48.45	
For >500 To 1,000, Deduct	-1.57	
For >1,000 To 2,000, Deduct	-3.14	
For >2,000, Deduct	-6.28	
For DR 41 Pipe Liner, Deduct	-32.76	
For DR 50 Pipe Liner, Deduct	-65.51	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	393.90	
For Up To 75, Add	108.25	
For >75 To 150, Add	54.13	
For >500 To 1,000, Deduct	-1.70	
For >1,000 To 2,000, Deduct	-3.40	
For >2,000, Deduct	-6.80	
For DR 50 Pipe Liner, Deduct	-55.68	
For DR 55 Pipe Liner, Deduct	-92.81	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	483.31	
For Up To 75, Add	128.81	
For >75 To 150, Add	64.41	
For >500 To 1,000, Deduct	-1.85	
For >1,000 To 2,000, Deduct	-3.71	
For >2,000, Deduct	-7.42	
For DR 60 Pipe Liner, Deduct	-68.79	
33 01 30 81 Manhole Rehabilitation (33 01 30)		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)		
Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)		
33 01 30 81-0003 EA Inspect Manhole	193.19	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	14,901.85	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	21,120.90	
Note: For internal inspection and repair of water mains		
33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)		
33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	573.30	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	604.28	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	619.78	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	712.74	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	805.71	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	898.67	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	1,084.61	
33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation	836.71	
33 01 30 81-0017 EA 30" External Manhole Encapsulation	883.19	
33 01 30 81-0018 EA 36" External Manhole Encapsulation	945.17	
33 01 30 81-0019 EA 42" External Manhole Encapsulation	1,022.63	
33 01 30 81-0020 EA 48" External Manhole Encapsulation	1,131.10	
33 01 30 81-0021 EA 54" External Manhole Encapsulation	1,255.05	
33 01 30 81-0022 EA 60" External Manhole Encapsulation	1,410.00	
33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	57.12	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	76.94	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	53.89	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	73.11	
33 01 30 81-0028 Manhole Patching (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching	18.32	
33 01 30 81-0030 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching	41.66	
33 01 30 81-0031 Manhole Joint Restoration (33 01 30 81-0001)		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,413.38	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	235.60	
33 01 30 81-0033 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,817.31	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	262.36	
33 01 30 81-0034 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,217.83	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	289.13	
33 01 30 81-0035 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,823.25	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	302.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0036 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	4,426.97 315.89	
33 01 30 81-0037 Step Installation In Existing Manholes <small>(33 01 30 81-0001)</small> Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	155.89	22.99
33 01 30 81-0039 EA Drill And Grout Galvanized Steel Manhole Step.....	121.35	22.99
33 01 30 81-0040 EA Bolt On Galvanized Steel Manhole Step.....	144.19	22.99
33 01 30 81-0041 EA Drill And Grout Aluminum Manhole Step.....	152.19	22.99
33 01 30 81-0042 EA Drill And Insert Polypropylene Manhole Step.....	71.23	18.40
33 01 30 81-0043 Manhole Penetration Sealing <small>(33 01 30 81-0001)</small> Note: At new pipe connection to manhole.		
33 01 30 81-0044 EA 6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	435.26	
33 01 30 81-0045 EA >12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	675.44	
33 01 30 81-0046 EA >22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	930.69	
33 01 30 81-0047 Invert Restoration <small>(33 01 30 81-0001)</small> Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048 Concrete Invert Restoration <small>(33 01 30 81-0047)</small>		
33 01 30 81-0049 EA 2' Diameter, Concrete Invert Restoration.....	374.44	
33 01 30 81-0050 EA 3' Diameter, Concrete Invert Restoration.....	422.73	
33 01 30 81-0051 EA 4' Diameter, Concrete Invert Restoration.....	471.03	
33 01 30 81-0052 EA 5' Diameter, Concrete Invert Restoration.....	519.33	
33 01 30 81-0053 EA 6' Diameter, Concrete Invert Restoration.....	664.22	
33 01 30 81-0054 SF Square Or Rectangular, Concrete Invert Restoration.....	37.45	
33 01 30 81-0055 Brick Invert Restoration <small>(33 01 30 81-0047)</small>		
33 01 30 81-0056 EA 2' Diameter, Brick Invert Restoration.....	635.67	
33 01 30 81-0057 EA 3' Diameter, Brick Invert Restoration.....	683.97	
33 01 30 81-0058 EA 4' Diameter, Brick Invert Restoration.....	732.27	
33 01 30 81-0059 EA 5' Diameter, Brick Invert Restoration.....	780.56	
33 01 30 81-0060 EA 6' Diameter, Brick Invert Restoration.....	828.86	
33 01 30 81-0061 SF Square Or Rectangular, Brick Invert Restoration.....	52.84	
33 01 30 81-0062 Repair In-Kind Of Drainage Structures <small>(33 01 30 81)</small> Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0063 VLF 2' Diameter, Repair In-Kind Drainage Structure.....	828.66	
33 01 30 81-0064 VLF 3' Diameter, Repair In-Kind Drainage Structure.....	1,243.00	
33 01 30 81-0065 VLF 4' Diameter, Repair In-Kind Drainage Structure.....	1,657.44	
33 01 30 81-0066 VLF 5' Diameter, Repair In-Kind Drainage Structure.....	2,071.66	
33 01 30 81-0067 VLF 6' Diameter, Repair In-Kind Drainage Structure.....	2,485.99	
33 01 30 81-0068 VLF 2' x 2', Repair In-Kind Drainage Structure.....	1,055.62	
33 01 30 81-0069 VLF 2' x 3', Repair In-Kind Drainage Structure.....	1,319.53	
33 01 30 81-0070 VLF 2' x 4', Repair In-Kind Drainage Structure.....	1,583.44	
33 01 30 81-0071 VLF 3' x 4', Repair In-Kind Drainage Structure.....	1,847.34	
33 01 30 81-0072 VLF 4' x 4', Repair In-Kind Drainage Structure.....	2,111.25	
33 01 30 81-0073 VLF 4' x 5', Repair In-Kind Drainage Structure.....	2,375.15	
33 01 30 81-0074 VLF 4' x 6', Repair In-Kind Drainage Structure.....	2,639.06	
33 01 30 81-0075 VLF 4' x 8', Repair In-Kind Drainage Structure.....	3,166.87	
33 01 30 81-0076 VLF >32 GSF, Repair In-Kind Drainage Structure.....	3,694.68	
33 01 30 82 Epoxy Lining for Concrete Manholes <small>(33 01 30)</small>		
33 01 30 82-0001 Epoxy Manhole Restoration, Interior <small>(33 01 30 82)</small>		
33 01 30 82-0002 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior.....	362.53	
<i>For 80 Mil Material, Add</i>	43.06	
<i>For 100 Mil Material, Add</i>	86.11	
<i>For 125 Mil Material, Add</i>	134.29	
<i>For 150 Mil Material, Add</i>	182.46	
<i>For 200 Mil Material, Add</i>	263.76	
<i>For 2 To 5 Manholes, Deduct</i>	-25.65	
<i>For 6 To 10 Manholes, Deduct</i>	-42.25	
<i>For >10 Manholes, Deduct</i>	-84.49	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0003 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	439.75	
For 80 Mil Material, Add	51.51	
For 100 Mil Material, Add	103.02	
For 125 Mil Material, Add	160.50	
For 150 Mil Material, Add	217.99	
For 200 Mil Material, Add	314.56	
For 2 To 5 Manholes, Deduct	-31.19	
For 6 To 10 Manholes, Deduct	-51.38	
For >10 Manholes, Deduct	-102.77	
33 01 30 82-0004 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	483.38	
For 80 Mil Material, Add	57.41	
For 100 Mil Material, Add	114.82	
For 125 Mil Material, Add	179.05	
For 150 Mil Material, Add	243.28	
For 200 Mil Material, Add	351.67	
For 2 To 5 Manholes, Deduct	-34.21	
For 6 To 10 Manholes, Deduct	-56.33	
For >10 Manholes, Deduct	-112.66	
33 01 30 82-0005 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	604.30	
For 80 Mil Material, Add	71.78	
For 100 Mil Material, Add	143.57	
For 125 Mil Material, Add	223.89	
For 150 Mil Material, Add	304.21	
For 200 Mil Material, Add	439.75	
For 2 To 5 Manholes, Deduct	-42.76	
For 6 To 10 Manholes, Deduct	-70.42	
For >10 Manholes, Deduct	-140.83	
33 01 30 82-0006 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	725.14	
For 80 Mil Material, Add	86.13	
For 100 Mil Material, Add	172.27	
For 125 Mil Material, Add	268.65	
For 150 Mil Material, Add	365.02	
For 200 Mil Material, Add	527.66	
For 2 To 5 Manholes, Deduct	-51.31	
For 6 To 10 Manholes, Deduct	-84.50	
For >10 Manholes, Deduct	-169.00	
33 01 30 83 Lining for Concrete Manholes (33 01 30)		
33 01 30 83-0001 Manhole Lining (33 01 30 83)		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 83-0002 Cementitious Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior	152.90	
For Each Additional 1/2" Thick Material, Add	35.90	
For 2 To 5 Manholes, Deduct	-10.82	
For 6 To 10 Manholes, Deduct	-17.82	
For >10 Manholes, Deduct	-35.65	
33 01 30 83-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	177.27	
For Each Additional 1/2" Thick Material, Add	41.77	
For 2 To 5 Manholes, Deduct	-12.54	
For 6 To 10 Manholes, Deduct	-20.66	
For >10 Manholes, Deduct	-41.31	
33 01 30 83-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior	201.63	
For Each Additional 1/2" Thick Material, Add	47.64	
For 2 To 5 Manholes, Deduct	-14.26	
For 6 To 10 Manholes, Deduct	-23.49	
For >10 Manholes, Deduct	-46.97	
33 01 30 83-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior	237.18	
For Each Additional 1/2" Thick Material, Add	58.22	
For 2 To 5 Manholes, Deduct	-16.71	
For 6 To 10 Manholes, Deduct	-27.49	
For >10 Manholes, Deduct	-54.98	
33 01 30 83-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior	258.95	
For Each Additional 1/2" Thick Material, Add	67.10	
For 2 To 5 Manholes, Deduct	-18.13	
For 6 To 10 Manholes, Deduct	-29.79	
For >10 Manholes, Deduct	-59.59	
33 01 30 83-0008 Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	322.55	
For 80 Mil Material, Add	29.73	
For 100 Mil Material, Add	59.46	
For 125 Mil Material, Add	90.98	
For 150 Mil Material, Add	122.49	
For 200 Mil Material, Add	170.47	
For 2 To 5 Manholes, Deduct	-23.66	
For 6 To 10 Manholes, Deduct	-39.25	
For >10 Manholes, Deduct	-78.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior.....	393.05	
<i>For 80 Mil Material, Add</i>	35.94	
<i>For 100 Mil Material, Add</i>	71.88	
<i>For 125 Mil Material, Add</i>	109.91	
<i>For 150 Mil Material, Add</i>	147.94	
<i>For 200 Mil Material, Add</i>	205.59	
<i>For 2 To 5 Manholes, Deduct</i>	-28.85	
<i>For 6 To 10 Manholes, Deduct</i>	-47.88	
<i>For >10 Manholes, Deduct</i>	-95.76	
33 01 30 83-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior.....	430.08	
<i>For 80 Mil Material, Add</i>	39.64	
<i>For 100 Mil Material, Add</i>	79.28	
<i>For 125 Mil Material, Add</i>	121.31	
<i>For 150 Mil Material, Add</i>	163.33	
<i>For 200 Mil Material, Add</i>	227.31	
<i>For 2 To 5 Manholes, Deduct</i>	-31.54	
<i>For 6 To 10 Manholes, Deduct</i>	-52.33	
<i>For >10 Manholes, Deduct</i>	-104.66	
33 01 30 83-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior.....	537.61	
<i>For 80 Mil Material, Add</i>	49.55	
<i>For 100 Mil Material, Add</i>	99.11	
<i>For 125 Mil Material, Add</i>	151.64	
<i>For 150 Mil Material, Add</i>	204.17	
<i>For 200 Mil Material, Add</i>	284.14	
<i>For 2 To 5 Manholes, Deduct</i>	-39.43	
<i>For 6 To 10 Manholes, Deduct</i>	-65.41	
<i>For >10 Manholes, Deduct</i>	-130.83	
33 01 30 83-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior.....	645.13	
<i>For 80 Mil Material, Add</i>	59.46	
<i>For 100 Mil Material, Add</i>	118.93	
<i>For 125 Mil Material, Add</i>	181.97	
<i>For 150 Mil Material, Add</i>	245.01	
<i>For 200 Mil Material, Add</i>	340.97	
<i>For 2 To 5 Manholes, Deduct</i>	-47.31	
<i>For 6 To 10 Manholes, Deduct</i>	-78.50	
<i>For >10 Manholes, Deduct</i>	-156.99	
33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	568.67	
<i>For 2 To 5 Manholes, Deduct</i>	-33.02	
<i>For 6 To 10 Manholes, Deduct</i>	-51.83	
<i>For >10 Manholes, Deduct</i>	-103.67	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	696.42	
<i>For 2 To 5 Manholes, Deduct</i>	-40.43	
<i>For 6 To 10 Manholes, Deduct</i>	-63.45	
<i>For >10 Manholes, Deduct</i>	-126.91	
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	820.83	
<i>For 2 To 5 Manholes, Deduct</i>	-47.16	
<i>For 6 To 10 Manholes, Deduct</i>	-73.81	
<i>For >10 Manholes, Deduct</i>	-147.61	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,029.38	
<i>For 2 To 5 Manholes, Deduct</i>	-59.12	
<i>For 6 To 10 Manholes, Deduct</i>	-92.51	
<i>For >10 Manholes, Deduct</i>	-185.02	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,237.93	
<i>For 2 To 5 Manholes, Deduct</i>	-71.08	
<i>For 6 To 10 Manholes, Deduct</i>	-111.21	
<i>For >10 Manholes, Deduct</i>	-222.42	
33 01 30 86 Manhole Rim Adjustment <small>(33 01 30)</small>		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86)</small>		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	410.91	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	463.29	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	510.74	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	564.56	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	608.01	
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser <small>(33 01 30 86-0001)</small>		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	486.15	
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	530.37	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	586.21	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	640.02	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	691.84	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 86-0014	Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0015	EA Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	556.24	
33 01 30 86-0016	EA >4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	588.04	
33 01 30 86-0017	EA >5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	622.05	
33 01 30 86-0018	>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0019	EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	678.05	
33 01 30 86-0020	EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	738.07	
33 01 30 86-0021	EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	799.00	
33 01 30 86-0022	EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	847.05	
33 01 30 86-0023	EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	921.22	
33 01 30 86-0024	EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	988.32	
33 01 30 86-0025	EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,053.87	
33 01 30 86-0026	EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,120.75	
33 01 30 86-0027	>12" Rise, Solid Manhole Risers <small>(33 01 30 86)</small>		
33 01 30 86-0028	Precast Concrete Manhole Riser <small>(33 01 30 86-0027)</small>		
33 01 30 86-0029	VLF Up To 26" Diameter Precast Concrete Manhole Riser	108.37	
33 01 30 86-0030	VLF >26" To 36" Diameter Precast Concrete Manhole Riser	129.71	
33 01 30 86-0031	VLF >36" To 48" Diameter Precast Concrete Manhole Riser	187.64	
33 01 30 86-0032	VLF >48" To 60" Diameter Precast Concrete Manhole Riser	382.84	
33 01 30 86-0033	VLF >60" To 72" Diameter Precast Concrete Manhole Riser	560.76	
33 01 30 89	By-Pass Piping and Pumping of Water and Sewer Utilities <small>(33 01 30)</small>		
33 01 30 89-0001	Set-Up By-Pass Pumping Unit <small>(33 01 30 89)</small> Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1108 for pump rental, 01 22 23 00-1141 for suction hose, 01 22 23 00-1160 for discharge hose.		
33 01 30 89-0002	EA Set-up By-Pass Pumping Unit	2,035.31	
33 01 30 89-0003	EA Re-Set Up/Move By-Pass Pumping Unit	1,017.66	
33 01 30 89-0004	By-Pass Pumping <small>(33 01 30 89)</small> Note: Excludes pump rental. See CSI section 01 22 23 00-1108 for pump rental.		
33 01 30 89-0005	DAY Maintain And Operate By-Pass Pumping Unit	508.83	
33 01 30 89-0006	WK Maintain And Operate By-Pass Pumping Unit	2,544.15	
33 01 30 89-0007	MO Maintain And Operate By-Pass Pumping Unit	10,685.40	
33 01 30 89-0008	Temporary Bypass And Service Lines <small>(33 01 30 89)</small> Note: Laid on ground, includes fittings and connections. Remove after use.		
33 01 30 89-0009	Temporary Water Service Lines <small>(33 01 30 89-0008)</small> Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.		
33 01 30 89-0010	LF 1/2" Temporary Service Hose With Fittings	3.15	
	Note: Includes removal after use.		
33 01 30 89-0011	LF 3/4" Temporary Service Hose With Fittings	4.00	
	Note: Includes removal after use.		
33 01 30 89-0012	LF 1" Temporary Service Hose With Fittings	4.67	
	Note: Includes removal after use.		
33 01 30 89-0013	LF 1-1/2" Temporary Service Hose With Fittings	5.60	
	Note: Includes removal after use.		
33 01 30 89-0014	LF 2" Temporary Service Hose With Fittings	6.90	
	Note: Includes removal after use.		
33 01 30 89-0015	EA Temporary Service Valve Assembly At Fire Hydrant	341.66	
	Note: Includes removal after use.		
33 01 30 89-0016	Temporary Bypass Water Main Lines <small>(33 01 30 89-0008)</small> Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.		
33 01 30 89-0017	LF 2" Temporary Bypass Water Main Pipe With Fittings	7.08	
	Note: Includes removal after use.		
	For >500 To 1,000, Deduct	-0.47	
	For >1,000 To 5,000, Deduct	-0.95	
	For >5,000, Deduct	-1.58	
33 01 30 89-0018	LF 4" Temporary Bypass Water Main Pipe With Fittings	11.40	
	Note: Includes removal after use.		
	For >500 To 1,000, Deduct	-0.61	
	For >1,000 To 5,000, Deduct	-1.22	
	For >5,000, Deduct	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0019 LF 6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	16.23 -0.71 -1.42 -2.37	
33 01 30 89-0020 LF 8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	20.45 -0.85 -1.71 -2.85	
33 01 30 89-0021 Piping Protection For Temporary Water Line (33 01 30 89-0008)		
33 01 30 89-0022 LF Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.35	
33 01 30 89-0023 Drill Meter Cover For Temporary Water Line (33 01 30 89-0008)		
33 01 30 89-0024 EA Drill Meter Cover For Temporary Bypass Pipe	17.45	
33 01 30 89-0025 Temporary By-Pass Plug (33 01 30 89)		
33 01 30 89-0026 EA 8" To 16" Temporary By-Pass Plug	832.84	
33 01 30 89-0027 EA 12" To 24" Temporary By-Pass Plug	1,305.22	
33 01 30 89-0028 EA 15" To 30" Temporary By-Pass Plug	2,138.39	
33 01 30 89-0029 EA 20" To 40" Temporary By-Pass Plug	2,625.30	
33 01 30 89-0030 EA 24" To 28" Temporary By-Pass Plug	3,523.71	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)

33 01 34 13 Septic Tank Solids Removal (33 01 34)

33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)		
33 01 34 13-0002 GAL Pump Out Septic Tank And Dispose	0.71	

33 01 40 Operation and Maintenance of Stormwater Utilities (33 01)

33 01 40 00-0001 Solid Wall High Density Polyethylene (HDPE) Culvert Slip-Lining System (33 01 40)

Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning, 33 01 40 00-0046 for flowable fill grout.

33 01 40 00-0002 LF 6.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	26.19 -4.16	
33 01 40 00-0003 LF 8.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	39.30 -6.51	
33 01 40 00-0004 LF 10.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	36.74 -5.77	
33 01 40 00-0005 LF 12.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	48.58 -7.80	
33 01 40 00-0006 LF 14" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	55.51 -8.74	
33 01 40 00-0007 LF 16" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	67.02 -10.88	
33 01 40 00-0008 LF 18" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	84.25 -13.70	
33 01 40 00-0009 LF 20" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	103.45 -17.09	
33 01 40 00-0010 LF 22" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	119.37 -19.82	
33 01 40 00-0011 LF 24" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	136.63 -22.82	
33 01 40 00-0012 LF 26" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	156.01 -26.25	
33 01 40 00-0013 LF 28" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	176.05 -29.81	
33 01 40 00-0014 LF 30" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	204.04 -34.95	
33 01 40 00-0015 LF 32" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	233.39 -40.37	
33 01 40 00-0016 LF 34" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	258.04 -44.85	
33 01 40 00-0017 LF 36" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	282.67 -49.33	
33 01 40 00-0018 LF 39.37" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	323.31 -57.01	
33 01 40 00-0019 LF 42" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	363.93 -64.68	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 40 Operation and Maintenance of Stormwater Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0020 LF 48" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	468.78 -85.20	
33 01 40 00-0021 LF 54" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	572.28 -105.45	
33 01 40 00-0022 LF 57" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	634.19 -117.38	
33 01 40 00-0023 LF 60" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	695.54 -129.20	
33 01 40 00-0024 LF 63" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	758.06 -141.25	
33 01 40 00-0025 LF 66" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	851.28 -159.22	
33 01 40 00-0026 LF 72" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	903.85 -168.84	
33 01 40 00-0027 LF 78" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	960.91 -179.12	
33 01 40 00-0028 LF 84" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	1,043.04 -194.65	
33 01 40 00-0029 LF 90" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	1,067.46 -198.63	
33 01 40 00-0030 LF 96" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 <i>For Profile Wall (Corrugated), Deduct</i>	1,081.74 -200.36	
33 01 40 00-0031 LF 16.5 x 23" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval <i>For Profile Wall (Corrugated), Deduct</i>	137.86 -23.02	
33 01 40 00-0032 LF 17" x 26" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert <i>For Profile Wall (Corrugated), Deduct</i>	154.43 -25.49	
33 01 40 00-0033 LF 18" x 29" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	170.35	
33 01 40 00-0034 LF 19" x 32" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert <i>For Profile Wall (Corrugated), Deduct</i>	196.70 -32.75	
33 01 40 00-0035 LF 21" x 33.5" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval <i>For Profile Wall (Corrugated), Deduct</i>	215.80 -35.97	
33 01 40 00-0036 LF 22.5 x 36" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval <i>For Profile Wall (Corrugated), Deduct</i>	242.07 -40.63	
33 01 40 00-0037 LF 26" x 37" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert <i>For Profile Wall (Corrugated), Deduct</i>	269.78 -45.57	
33 01 40 00-0038 LF 30" x 41" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert <i>For Profile Wall (Corrugated), Deduct</i>	323.30 -55.08	
33 01 40 00-0039 LF 31" x 46" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	363.32	
33 01 40 00-0040 LF 34" x 48.5" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval <i>For Profile Wall (Corrugated), Deduct</i>	402.32 -69.68	
33 01 40 00-0041 LF 39" x 55.5" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval <i>For Profile Wall (Corrugated), Deduct</i>	498.15 -88.25	
33 01 40 00-0042 LF 43" x 63" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert <i>For Profile Wall (Corrugated), Deduct</i>	598.15 -107.65	
33 01 40 00-0043 LF 48" x 75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert <i>For Profile Wall (Corrugated), Deduct</i>	765.53 -141.13	
33 01 40 00-0044 LF 52" x 72.5" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval <i>For Profile Wall (Corrugated), Deduct</i>	774.50 -141.13	
33 01 40 00-0045 LF 58" x 67.5" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval <i>For Profile Wall (Corrugated), Deduct</i>	774.50 -141.13	
33 01 40 00-0046 Pumped Grouting For Slip-Lining Systems <small>(33 01 40)</small> Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.		
33 01 40 00-0047 CY Flowable Fill Grout, For Pipe Relines		600.01

33 01 70 Operation and Maintenance of Electrical Utilities (33 01)**33 01 70 51 Electrical Utility Visual Inspection** (33 01 70)33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct (33 01 70 51)33 01 70 51-0002 Video Camera Set-up (33 01 70 51-0001)

33 01 70 51-0003 EA Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct	279.85
33 01 70 51-0004 EA >12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe	314.83
33 01 70 51-0005 EA Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct	69.96
33 01 70 51-0006 EA >12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe	104.94

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct (33 01 70 51-0001)

33 01 70 51-0008 LF Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.07
<i>For >1,000 To 5,000, Deduct</i>	-0.05
<i>For >5,000, Deduct</i>	-0.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 51-0009 LF >12" To 48" Diameter, Video Inspection, Gas Pipe	7.66	
<i>For >1,000 To 5,000, Deduct</i>	-0.08	
<i>For >5,000, Deduct</i>	-0.17	
33 01 70 72 Cured-in-Place Conduit Lining (33 01 70)		
33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner (33 01 70 72)		
Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.		
33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining (33 01 70 72-0001)		
33 01 70 72-0003 LF 1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	7.65	
<i>For Up To >10, Add</i>	14.70	
<i>For >10 To 25, Add</i>	11.70	
<i>For >25 To 50, Add</i>	7.19	
<i>For >50 To 100, Add</i>	3.59	
<i>For >500 To 1,000, Deduct</i>	-0.49	
<i>For >1,000 To 2,000, Deduct</i>	-0.79	
<i>For >2,000 To 5,000, Deduct</i>	-1.48	
<i>For >5,000, Deduct</i>	-2.40	
33 01 70 72-0004 LF 2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	9.34	
<i>For Up To >10, Add</i>	16.90	
<i>For >10 To 25, Add</i>	13.34	
<i>For >25 To 50, Add</i>	8.23	
<i>For >50 To 100, Add</i>	4.11	
<i>For >500 To 1,000, Deduct</i>	-0.59	
<i>For >1,000 To 2,000, Deduct</i>	-0.95	
<i>For >2,000 To 5,000, Deduct</i>	-1.76	
<i>For >5,000, Deduct</i>	-2.85	
33 01 70 72-0005 LF 2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	11.74	
<i>For Up To >10, Add</i>	21.20	
<i>For >10 To 25, Add</i>	16.73	
<i>For >25 To 50, Add</i>	10.32	
<i>For >50 To 100, Add</i>	5.16	
<i>For >500 To 1,000, Deduct</i>	-0.74	
<i>For >1,000 To 2,000, Deduct</i>	-1.19	
<i>For >2,000 To 5,000, Deduct</i>	-2.21	
<i>For >5,000, Deduct</i>	-3.57	
33 01 70 72-0006 LF 3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.84	
<i>For Up To >10, Add</i>	24.60	
<i>For >10 To 25, Add</i>	19.37	
<i>For >25 To 50, Add</i>	11.96	
<i>For >50 To 100, Add</i>	5.98	
<i>For >500 To 1,000, Deduct</i>	-0.87	
<i>For >1,000 To 2,000, Deduct</i>	-1.39	
<i>For >2,000 To 5,000, Deduct</i>	-2.58	
<i>For >5,000, Deduct</i>	-4.18	
33 01 70 72-0007 LF 3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.55	
<i>For Up To >10, Add</i>	26.83	
<i>For >10 To 25, Add</i>	21.03	
<i>For >25 To 50, Add</i>	13.02	
<i>For >50 To 100, Add</i>	6.51	
<i>For >500 To 1,000, Deduct</i>	-0.97	
<i>For >1,000 To 2,000, Deduct</i>	-1.55	
<i>For >2,000 To 5,000, Deduct</i>	-2.86	
<i>For >5,000, Deduct</i>	-4.63	
33 01 70 72-0008 LF 4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	17.52	
<i>For Up To >10, Add</i>	29.84	
<i>For >10 To 25, Add</i>	23.35	
<i>For >25 To 50, Add</i>	14.46	
<i>For >50 To 100, Add</i>	7.23	
<i>For >500 To 1,000, Deduct</i>	-1.09	
<i>For >1,000 To 2,000, Deduct</i>	-1.74	
<i>For >2,000 To 5,000, Deduct</i>	-3.20	
<i>For >5,000, Deduct</i>	-5.19	
33 01 70 72-0009 LF 5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	20.66	
<i>For Up To >10, Add</i>	33.46	
<i>For >10 To 25, Add</i>	25.98	
<i>For >25 To 50, Add</i>	16.16	
<i>For >50 To 100, Add</i>	8.08	
<i>For >500 To 1,000, Deduct</i>	-1.26	
<i>For >1,000 To 2,000, Deduct</i>	-2.01	
<i>For >2,000 To 5,000, Deduct</i>	-3.68	
<i>For >5,000, Deduct</i>	-5.98	
33 01 70 72-0010 LF 6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	23.80	
<i>For Up To >10, Add</i>	37.08	
<i>For >10 To 25, Add</i>	28.61	
<i>For >25 To 50, Add</i>	17.85	
<i>For >50 To 100, Add</i>	8.93	
<i>For >500 To 1,000, Deduct</i>	-1.44	
<i>For >1,000 To 2,000, Deduct</i>	-2.29	
<i>For >2,000 To 5,000, Deduct</i>	-4.17	
<i>For >5,000, Deduct</i>	-6.77	
33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining (33 01 70 72-0001)		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 70 Operation and Maintenance of Electrical Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0012 LF 1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	9.43	
For Up To >10, Add	16.27	
For >10 To 25, Add	12.75	
For >25 To 50, Add	7.89	
For >50 To 100, Add	3.95	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.94	
For >2,000 To 5,000, Deduct	-1.73	
For >5,000, Deduct	-2.81	
33 01 70 72-0013 LF 2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	12.26	
For Up To >10, Add	20.43	
For >10 To 25, Add	15.94	
For >25 To 50, Add	9.89	
For >50 To 100, Add	4.94	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.21	
For >2,000 To 5,000, Deduct	-2.21	
For >5,000, Deduct	-3.60	
33 01 70 72-0014 LF 2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	15.08	
For Up To >10, Add	24.54	
For >10 To 25, Add	19.07	
For >25 To 50, Add	11.86	
For >50 To 100, Add	5.93	
For >500 To 1,000, Deduct	-0.92	
For >1,000 To 2,000, Deduct	-1.47	
For >2,000 To 5,000, Deduct	-2.69	
For >5,000, Deduct	-4.38	
33 01 70 72-0015 LF 3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	17.64	
For Up To >10, Add	27.87	
For >10 To 25, Add	21.56	
For >25 To 50, Add	13.43	
For >50 To 100, Add	6.72	
For >500 To 1,000, Deduct	-1.07	
For >1,000 To 2,000, Deduct	-1.70	
For >2,000 To 5,000, Deduct	-3.11	
For >5,000, Deduct	-5.05	
33 01 70 72-0016 LF 3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	20.06	
For Up To >10, Add	30.78	
For >10 To 25, Add	23.69	
For >25 To 50, Add	14.80	
For >50 To 100, Add	7.40	
For >500 To 1,000, Deduct	-1.21	
For >1,000 To 2,000, Deduct	-1.92	
For >2,000 To 5,000, Deduct	-3.49	
For >5,000, Deduct	-5.67	
33 01 70 72-0017 LF 4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	22.61	
For Up To >10, Add	34.08	
For >10 To 25, Add	26.15	
For >25 To 50, Add	16.37	
For >50 To 100, Add	8.18	
For >500 To 1,000, Deduct	-1.36	
For >1,000 To 2,000, Deduct	-2.15	
For >2,000 To 5,000, Deduct	-3.90	
For >5,000, Deduct	-6.34	
33 01 70 72-0018 LF 5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	27.59	
For Up To >10, Add	40.32	
For >10 To 25, Add	30.77	
For >25 To 50, Add	19.31	
For >50 To 100, Add	9.66	
For >500 To 1,000, Deduct	-1.64	
For >1,000 To 2,000, Deduct	-2.60	
For >2,000 To 5,000, Deduct	-4.69	
For >5,000, Deduct	-7.64	
33 01 70 72-0019 LF 6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	32.15	
For Up To >10, Add	45.33	
For >10 To 25, Add	34.36	
For >25 To 50, Add	21.64	
For >50 To 100, Add	10.82	
For >500 To 1,000, Deduct	-1.90	
For >1,000 To 2,000, Deduct	-3.00	
For >2,000 To 5,000, Deduct	-5.38	
For >5,000, Deduct	-8.77	

33 05 Common Work Results for Utilities ⁽³³⁾**33 05 07 Trenchless Installation of Utility Piping** ^(33 05)**33 05 07 13 Utility Directional Drilling** ^(33 05 07)**33 05 07 13-0001 Horizontal Augering** ^(33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	26.67
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering	32.19
33 05 07 13-0004 LF 4" Diameter Horizontal Hand Augering	44.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0005 LF 6" Diameter Horizontal Hand Augering.....	57.02	
33 05 07 13-0006 LF 8" Diameter Horizontal Augering	103.35	
33 05 07 13-0007 LF 10" Diameter Horizontal Augering	150.77	
33 05 07 13-0008 LF 12" Diameter Horizontal Augering	181.16	
33 05 07 13-0009 LF 16" Diameter Horizontal Augering	216.42	
33 05 07 13-0010 LF 20" Diameter Horizontal Augering	374.48	
33 05 07 13-0011 LF 24" Diameter Horizontal Augering	465.82	
33 05 07 13-0012 LF 30" Diameter Horizontal Augering	574.55	
33 05 07 13-0013 LF 36" Diameter Horizontal Augering	656.45	
33 05 07 13-0014 LF 42" Diameter Horizontal Augering	841.10	
33 05 07 13-0015 LF 48" Diameter Horizontal Augering	906.30	
33 05 07 13-0016 LF 54" Diameter Horizontal Augering	985.63	
33 05 07 13-0017 LF 60" Diameter Horizontal Augering	1,033.34	
33 05 07 13-0018 EA 8" To 20" Horizontal Augering Minimum Set-up Charge	4,377.07	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019 EA >20" To 36" Horizontal Augering Minimum Set-up Charge	5,906.63	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020 EA >36" Horizontal Augering Minimum Set-up Charge	8,586.32	
Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
 33 05 07 13-0021 Horizontal Directional Boring <small>(33 05 07 13)</small>		
Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.		
33 05 07 13-0022 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.34	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>10.04</i>	
33 05 07 13-0023 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground	21.50	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>15.05</i>	
33 05 07 13-0024 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	29.87	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>20.91</i>	
33 05 07 13-0025 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground	37.03	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>25.92</i>	
33 05 07 13-0026 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground	44.20	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>30.94</i>	
33 05 07 13-0027 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground	51.37	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>35.96</i>	
33 05 07 13-0028 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground	59.73	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>41.81</i>	
33 05 07 13-0029 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground	72.95	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>51.07</i>	
33 05 07 13-0030 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground	79.03	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>55.32</i>	
33 05 07 13-0031 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground	85.11	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>59.58</i>	
33 05 07 13-0032 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground	176.30	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>123.41</i>	
33 05 07 13-0033 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground	275.19	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>192.63</i>	
33 05 07 13-0034 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground	419.50	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>293.65</i>	
33 05 07 13-0035 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground	671.21	
<i>For Horizontal Boring Through Rock, Add</i>		
	<i>469.85</i>	
33 05 07 13-0036 EA Up To 6" Horizontal Directional Boring Minimum Set-up Charge.....	3,822.84	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0037 EA >6" To 18" Horizontal Directional Boring Minimum Set-up Charge	4,377.07	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0038 EA >18" To 36" Horizontal Directional Boring Minimum Set-up Charge	5,906.63	
Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
 33 05 07 23 Utility Boring and Jacking <small>(33 05 07)</small>		
33 05 07 23-0001 Horizontal Jacking <small>(33 05 07 23)</small>		
Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.		
33 05 07 23-0002 LF Up To 2" Diameter Horizontal Jacking	95.14	
<i>For Horizontal Jacking Through Rock, Add</i>		
	<i>32.28</i>	
33 05 07 23-0003 LF 3" Diameter Horizontal Jacking.....	113.59	
<i>For Horizontal Jacking Through Rock, Add</i>		
	<i>38.96</i>	
33 05 07 23-0004 LF 4" Diameter Horizontal Jacking.....	152.09	
<i>For Horizontal Jacking Through Rock, Add</i>		
	<i>53.42</i>	
33 05 07 23-0005 LF 6" Diameter Horizontal Jacking.....	196.64	
<i>For Horizontal Jacking Through Rock, Add</i>		
	<i>69.01</i>	
33 05 07 23-0006 LF 8" Diameter Horizontal Jacking.....	264.39	
<i>For Horizontal Jacking Through Rock, Add</i>		
	<i>94.60</i>	
33 05 07 23-0007 LF 10" Diameter Horizontal Jacking.....	388.81	
<i>For Horizontal Jacking Through Rock, Add</i>		
	<i>138.01</i>	

33 Utilities**33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	468.68 165.84	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	559.37 198.13	
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	807.76 343.92	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,665.63 385.98	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	1,884.23 476.60	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,115.58 544.95	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,266.90 588.48	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,465.74 634.07	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	2,612.18 690.07	
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,822.84	
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,377.07	
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,906.63	
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,586.32	

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)

33 05 07 24-0001 Casing Pipe (33 05 07 24) Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 07 24-0002 Steel Pipe (33 05 07 24-0001)		
33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	40.72	
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	42.99	
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	46.66	
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	50.41	
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	64.95	
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	74.04	
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	83.09	
33 05 07 24-0010 Polyethylene Pipe (33 05 07 24-0001)		
33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	8.66	
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	9.40	
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	10.18	
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	10.89	
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	11.66	
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	12.53	
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	13.46	
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	16.73	
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	18.73	
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	20.75	
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	27.78	
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	38.83	

33 05 09 Piping Specials for Utilities (33 05)



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 09 23	Adapters for Utility Piping <small>(33 05 09)</small>	See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.		
33 05 09 33	Thrust Restraint for Utility Piping <small>(33 05 09)</small>	See CSI section 33 14 13 13-0547 for mechanical restraints, 33 14 13 13-0582 for flanged restraints, 33 14 13 13-1154 for slip-on restraints, 33 14 13 13-1170 for slip-on restraint harnesses.		
33 05 16	Cast-Iron Utility Pipe <small>(33 05)</small>	See CSI section 22 13 16 00-0019 for cast iron utility piping.		
33 05 17	Copper Utility Pipe and Tubing <small>(33 05)</small>	See CSI section 33 14 13 39-0000 for copper utility piping.		
33 05 19	Ductile-Iron Utility Pipe <small>(33 05)</small>	See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
33 05 24	Steel Utility Pipe <small>(33 05)</small>			
33 05 24 23	Steel Pipe for Water Service <small>(33 05 24)</small>	See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
33 05 27	Corrugated Metal Utility Pipe <small>(33 05)</small>			
33 05 27 13	Corrugated Metal Culvert Pipe <small>(33 05 27)</small>	See CSI section 33 42 11 00-0353 for corrugated metal culvert pipe.		
33 05 27 23	Corrugated Metal Slotted Pipe <small>(33 05 27)</small>	See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
33 05 27 33	Corrugated Metal Culvert Arch Pipe <small>(33 05 27)</small>	See CSI section 33 42 11 00-0697 for corrugated metal culvert arch pipe.		
33 05 31	Thermoplastic Utility Pipe <small>(33 05)</small>			
33 05 31 11	Polyvinyl Chloride Gravity Sewer Pipe <small>(33 05 31)</small>	See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
33 05 31 13	Polyvinyl Chloride Pressure Pipe <small>(33 05 31)</small>	See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.		
33 05 31 16	Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) <small>(33 05 31)</small>	See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33	Polyethylene Utility Pipe <small>(33 05)</small>			
33 05 33 13	Corrugated-Wall, Smooth Interior HDPE Gravity Pipe <small>(33 05 33)</small>	See CSI section 33 42 11 00-0227 for corrugated-wall smooth interior HDPE gravity pipe.		
33 05 33 23	Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) <small>(33 05 33)</small>	See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.		
33 05 33 33	Corrugated, Perforated HDPE Drainage Pipe <small>(33 05 33)</small>	See CSI section 33 42 11 00-0249 for corrugated perforated HDPE drainage pipe.		
33 05 33 36	Corrugated, Non-Perforated HDPE Drainage Pipe <small>(33 05 33)</small>	See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 53	HDPE Gas Utility Pipe <small>(33 05 33)</small>	See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
33 05 33 56	Medium-Density Polyethylene Gas Utility Pipe <small>(33 05 33)</small>	See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		
33 05 33 63	HDPE Communication Duct <small>(33 05 33)</small>			
33 05 33 63-0001	ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <small>(33 05 33 63)</small>	Note: Excludes boring.		
33 05 33 63-0002	LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....		3.77	
	For Up To 250, Add		0.12	
	For >250 To 500, Add		0.08	
33 05 33 63-0003	LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....		4.23	
	For Up To 250, Add		0.15	
	For >250 To 500, Add		0.10	
33 05 33 63-0004	LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....		4.58	
	For Up To 250, Add		0.17	
	For >250 To 500, Add		0.11	
33 05 33 63-0005	LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....		5.03	
	For Up To 250, Add		0.20	
	For >250 To 500, Add		0.14	
33 05 33 63-0006	LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....		6.82	
	For Up To 250, Add		0.43	
	For >250 To 500, Add		0.28	

33 Utilities**33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0007 LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.64	
For Up To 250, Add	0.65	
For >250 To 500, Add	0.43	
33 05 33 63-0008 LF 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.86	
For Up To 250, Add	0.14	
For >250 To 500, Add	0.09	
33 05 33 63-0009 LF 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.39	
For Up To 250, Add	0.17	
For >250 To 500, Add	0.12	
33 05 33 63-0010 LF 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.71	
For Up To 250, Add	0.19	
For >250 To 500, Add	0.13	
33 05 33 63-0011 LF 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.36	
For Up To 250, Add	0.25	
For >250 To 500, Add	0.17	
33 05 33 63-0012 LF 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.54	
For Up To 250, Add	0.53	
For >250 To 500, Add	0.36	
33 05 33 63-0013 LF 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	9.55	
For Up To 250, Add	0.79	
For >250 To 500, Add	0.52	

33 05 39 Concrete Pipe (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

See CSI section 33 42 11 00-0080 for prestressed concrete pressure pipe.

33 05 39 14 Reinforced Concrete Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe (33 05)

See CSI section 33 42 11 00-1442 for vitrified clay piping.

33 05 61 Concrete Manholes (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0004 EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,713.86	303.27
For Bitumastic Coating, Add	79.63	
For Epoxy Coating, Add	152.16	
33 05 61 00-0005 EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,334.76	435.60
For Bitumastic Coating, Add	119.44	
For Epoxy Coating, Add	228.24	
33 05 61 00-0006 EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	3,143.13	661.67
For Bitumastic Coating, Add	159.25	
For Epoxy Coating, Add	304.32	
33 05 61 00-0007 VLF Riser For 3' Diameter, Precast Concrete Manhole.....	332.50	77.19
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	19.91	
For Epoxy Coating, Add	38.04	
33 05 61 00-0008 VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	358.63	77.19
33 05 61 00-0009 EA Drop Base For 3' Diameter, Precast Concrete Manhole.....	576.07	77.19
33 05 61 00-0010 EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	459.30	77.19
33 05 61 00-0011 EA Precast Channel For 3' Diameter, Precast Concrete Manhole.....	658.18	77.19

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0013 EA 4' Deep, 4' Diameter, Precast Concrete Manhole.....	2,616.24	347.38
For Bitumastic Coating, Add	79.63	
For Epoxy Coating, Add	152.16	
33 05 61 00-0014 EA 6' Deep, 4' Diameter, Precast Concrete Manhole.....	3,489.33	474.20
For Bitumastic Coating, Add	119.44	
For Epoxy Coating, Add	228.24	
33 05 61 00-0015 EA 8' Deep, 4' Diameter, Precast Concrete Manhole.....	4,583.87	716.81
For Bitumastic Coating, Add	159.25	
For Epoxy Coating, Add	304.32	
33 05 61 00-0016 VLF Riser For 4' Diameter, Precast Concrete Manhole.....	487.54	90.98
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	19.91	
For Epoxy Coating, Add	38.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0017 VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	532.78	90.98
33 05 61 00-0018 EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	909.17	90.98
33 05 61 00-0019 EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole	707.04	90.98
33 05 61 00-0020 EA Precast Channel For 4' Diameter, Precast Concrete Manhole	1,051.34	90.98
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0022 EA 4' Deep, 5' Diameter, Precast Concrete Manhole.....	4,983.42	385.97
<i>For Bitumastic Coating, Add</i>	102.59	
<i>For Epoxy Coating, Add</i>	245.30	
33 05 61 00-0023 EA 6' Deep, 5' Diameter, Precast Concrete Manhole.....	6,633.50	529.34
<i>For Bitumastic Coating, Add</i>	153.89	
<i>For Epoxy Coating, Add</i>	367.95	
33 05 61 00-0024 EA 8' Deep, 5' Diameter, Precast Concrete Manhole.....	8,529.05	794.01
<i>For Bitumastic Coating, Add</i>	205.19	
<i>For Epoxy Coating, Add</i>	490.60	
33 05 61 00-0025 VLF Riser For 5' Diameter, Precast Concrete Manhole	881.91	99.25
<small>Note: For depths greater than 8'.</small>		
<i>For Bitumastic Coating, Add</i>	25.65	
<i>For Epoxy Coating, Add</i>	61.32	
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0027 EA 4' Deep, 6' Diameter, Precast Concrete Manhole.....	6,709.73	430.09
<i>For Bitumastic Coating, Add</i>	117.46	
<i>For Epoxy Coating, Add</i>	287.18	
33 05 61 00-0028 EA 6' Deep, 6' Diameter, Precast Concrete Manhole.....	8,732.02	584.48
<i>For Bitumastic Coating, Add</i>	176.18	
<i>For Epoxy Coating, Add</i>	430.77	
33 05 61 00-0029 EA 8' Deep, 6' Diameter, Precast Concrete Manhole.....	11,029.16	882.23
<i>For Bitumastic Coating, Add</i>	234.91	
<i>For Epoxy Coating, Add</i>	574.36	
33 05 61 00-0030 VLF Riser For 6' Diameter, Precast Concrete Manhole	1,073.90	110.28
<small>Note: For depths greater than 8'.</small>		
<i>For Bitumastic Coating, Add</i>	29.36	
<i>For Epoxy Coating, Add</i>	71.80	
33 05 61 00-0031 7' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0032 EA 4' Deep, 7' Diameter, Precast Concrete Manhole.....	10,630.81	474.20
<i>For Bitumastic Coating, Add</i>	249.77	
<i>For Epoxy Coating, Add</i>	501.83	
33 05 61 00-0033 EA 6' Deep, 7' Diameter, Precast Concrete Manhole.....	13,738.49	646.79
<i>For Bitumastic Coating, Add</i>	374.66	
<i>For Epoxy Coating, Add</i>	752.74	
33 05 61 00-0034 EA 8' Deep, 7' Diameter, Precast Concrete Manhole.....	17,148.34	970.45
<i>For Bitumastic Coating, Add</i>	499.55	
<i>For Epoxy Coating, Add</i>	1,003.65	
33 05 61 00-0035 VLF Riser For 7' Diameter, Precast Concrete Manhole	1,623.86	121.31
<small>Note: For depths greater than 8'.</small>		
<i>For Bitumastic Coating, Add</i>	62.44	
<i>For Epoxy Coating, Add</i>	125.46	
33 05 61 00-0036 8' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0037 EA 4' Deep, 8' Diameter, Precast Concrete Manhole.....	15,421.36	545.88
<i>For Bitumastic Coating, Add</i>	295.29	
<i>For Epoxy Coating, Add</i>	611.68	
33 05 61 00-0038 EA 6' Deep, 8' Diameter, Precast Concrete Manhole.....	19,986.51	744.38
<i>For Bitumastic Coating, Add</i>	442.93	
<i>For Epoxy Coating, Add</i>	917.52	
33 05 61 00-0039 EA 8' Deep, 8' Diameter, Precast Concrete Manhole.....	24,899.02	1,116.57
<i>For Bitumastic Coating, Add</i>	590.57	
<i>For Epoxy Coating, Add</i>	1,223.37	
33 05 61 00-0040 VLF Riser For 8' Diameter, Precast Concrete Manhole	2,359.77	137.85
<small>Note: For depths greater than 8'.</small>		
<i>For Bitumastic Coating, Add</i>	73.82	
<i>For Epoxy Coating, Add</i>	152.92	
33 05 63 Concrete Vaults and Chambers <small>(33 05)</small>		
33 05 63 00-0001 Underground Utility Vaults And Structures <small>(33 05 63)</small>		
<small>See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.</small>		
33 05 63 00-0002 Precast Concrete Underground Utility Vault <small>(33 05 63 00-0001)</small>		
<small>Note: Sizes given are for inside dimensions.</small>		
33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	3,575.73	
<small>Note: 6" thick walls and 8" thick top.</small>		
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,660.99	
<small>Note: 6" thick walls and 8" thick top.</small>		

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,689.53	
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,878.84	
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,956.51	
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,250.91	
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,546.43	
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,347.95	
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,347.95	
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,548.01	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,756.72	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,261.41	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,667.80	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,508.54	
33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,847.57	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,995.92	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,286.28	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,364.60	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,644.63	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,349.78	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,881.73	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,057.52	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,428.03	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,868.23	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,477.12	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,071.47	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,868.59	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,827.65	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,107.91	
33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,296.16	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,561.80	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,039.65	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,409.31	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,036.60	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,511.41	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,986.24	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,508.07	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,188.50	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,196.45	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,881.51	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,068.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,147.90	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,308.33	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,576.66	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,141.08	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,507.86	
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,116.70	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,771.88	
33 05 63 00-0056 Meter Pit <small>(33 05 63 00-0001)</small>		
33 05 63 00-0057 Precast Concrete Meter Pit <small>(33 05 63 00-0056)</small>		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,530.79	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,793.49	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	6,026.80	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	7,472.00	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	10,344.08	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	5,359.52	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	7,472.00	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	9,635.32	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	12,020.05	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	17,130.21	
33 05 63 00-0068 Handhole Or Pull Box Enclosures <small>(33 05 63 00-0001)</small>		
33 05 63 00-0069 Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0068)</small>		
33 05 63 00-0070 Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0069)</small> Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	421.13	24.30
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	346.57	53.97
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	529.87	80.95
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	622.71	80.95
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	592.04	80.95
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	725.93	80.95
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	705.72	80.95
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	976.84	80.95
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,391.08	107.94
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,974.55	107.94
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,236.85	148.41
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,419.57	148.41
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,370.10	148.41
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,319.04	161.90
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,917.56	161.90
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,407.00	161.90
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,564.64	161.90
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,902.49	251.92

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,803.30	251.92
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>				
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	542.41	24.30
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	674.32	80.95
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	823.75	80.95
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	756.87	80.95
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	871.30	80.95
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	901.31	80.95
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,174.12	80.95
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,544.01	148.41
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,726.73	148.41
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,677.29	148.41
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,261.43	251.92
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,169.08	251.92
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>				
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>				
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	698.49	24.30
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	588.71	24.30
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	448.86	80.95
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	513.64	80.95
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	155.11	24.30
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	246.91	24.30
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	406.23	24.30
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.51	24.30
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	339.85	53.97
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	369.42	53.97
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	242.96	24.30
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	279.09	24.30
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	366.35	53.97
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	416.07	53.97
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	383.89	53.97
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	451.88	80.95
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	500.65	80.95
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	536.92	80.95
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	591.54	80.95
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	700.47	80.95
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	766.55	80.95
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	838.86	80.95
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	884.32	80.95
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,048.34	107.94
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,038.91	148.41
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,355.58	148.41
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,647.98	148.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,832.64	148.41
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,016.32	148.41
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,253.92	251.92
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,606.58	251.92
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,841.11	251.92
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,289.58	251.92
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,284.97	251.92
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,452.38	251.92
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,774.33	251.92
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,532.65	269.91
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,759.96	269.91
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,050.16	269.91
33 05 63 00-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,166.28	269.91
33 05 63 00-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,206.64	269.91
33 05 63 00-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,648.82	269.91
33 05 63 00-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,790.08	269.91
33 05 63 00-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,721.80	269.91
33 05 63 00-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,197.17	287.90
33 05 63 00-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,210.91	287.90
33 05 63 00-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,721.69	287.90
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	617.03	80.95
33 05 63 00-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	713.11	80.95
33 05 63 00-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	270.28	24.30
33 05 63 00-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	395.73	24.30
33 05 63 00-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	534.41	24.30
33 05 63 00-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.72	24.30
33 05 63 00-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	466.12	53.97
33 05 63 00-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	486.70	53.97
33 05 63 00-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	514.22	53.97
33 05 63 00-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	368.54	24.30
33 05 63 00-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	437.60	24.30
33 05 63 00-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.55	53.97
33 05 63 00-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	563.27	53.97
33 05 63 00-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	532.66	53.97
33 05 63 00-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	616.10	80.95
33 05 63 00-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	665.48	80.95
33 05 63 00-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	732.89	80.95
33 05 63 00-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	787.16	80.95
33 05 63 00-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	895.78	80.95
33 05 63 00-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	962.14	80.95

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0175	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,034.13	80.95
33 05 63 00-0176	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,079.91	80.95
33 05 63 00-0177	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,318.53	107.94
33 05 63 00-0178	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,346.10	148.41
33 05 63 00-0179	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,662.39	148.41
33 05 63 00-0180	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,954.48	148.41
33 05 63 00-0181	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,138.85	148.41
33 05 63 00-0182	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,323.13	148.41
33 05 63 00-0183	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,962.13	251.92
33 05 63 00-0184	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,197.01	251.92
33 05 63 00-0185	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,645.13	251.92
33 05 63 00-0186			Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0187	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	563.33	80.95
33 05 63 00-0188	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	662.09	80.95
33 05 63 00-0189	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	196.86	24.30
33 05 63 00-0190	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	331.28	24.30
33 05 63 00-0191	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	480.77	24.30
33 05 63 00-0192	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	500.43	24.30
33 05 63 00-0193	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	430.80	53.97
33 05 63 00-0194	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.03	53.97
33 05 63 00-0195	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.48	24.30
33 05 63 00-0196	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	458.93	53.97
33 05 63 00-0197	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	530.22	53.97
33 05 63 00-0198	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	477.45	53.97
33 05 63 00-0199	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	608.53	80.95
33 05 63 00-0200	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	706.01	80.95
33 05 63 00-0201	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	738.43	80.95
33 05 63 00-0202	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	815.61	80.95
33 05 63 00-0203	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	886.61	80.95
33 05 63 00-0204	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	953.65	80.95
33 05 63 00-0205	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,073.68	80.95
33 05 63 00-0206	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,090.41	80.95
33 05 63 00-0207	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,339.47	107.94
33 05 63 00-0208	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,373.24	148.41
33 05 63 00-0209	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,722.55	148.41
33 05 63 00-0210	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,068.02	148.41
33 05 63 00-0211	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,297.47	148.41
33 05 63 00-0212	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,526.93	148.41
33 05 63 00-0213	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,681.43	251.92
33 05 63 00-0214	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,034.12	251.92
33 05 63 00-0215	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,286.94	251.92
33 05 63 00-0216	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,735.10	251.92
33 05 63 00-0217	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,932.78	251.92
33 05 63 00-0218	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,994.68	251.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,595.20	251.92
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,318.50	269.91
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,435.95	269.91
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,769.12	269.91
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,021.28	269.91
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,684.22	269.91
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,586.05	269.91
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,965.00	269.91
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,369.64	269.91
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,310.19	287.90
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,324.33	287.90
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,574.89	287.90
 33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	731.47	80.95
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	861.94	80.95
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	311.10	24.30
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	479.81	24.30
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	608.69	24.30
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	628.61	24.30
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	578.00	53.97
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	634.89	53.97
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	451.72	24.30
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	605.46	53.97
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	676.76	53.97
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	584.21	53.97
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	773.42	80.95
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	870.90	80.95
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	934.02	80.95
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,011.23	80.95
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,082.21	80.95
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,149.27	80.95
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,269.33	80.95
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,286.00	80.95
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,609.31	107.94
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,680.40	148.41
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,029.40	148.41
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,374.48	148.41
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,604.11	148.41
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,833.74	148.41
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,389.99	251.92
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,643.16	251.92

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,091.00	251.92
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)		
33 05 63 00-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	604.33	80.95
33 05 63 00-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	408.53	53.97
33 05 63 00-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	463.51	53.97
33 05 63 00-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	532.98	80.95
33 05 63 00-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	426.54	53.97
33 05 63 00-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	479.19	53.97
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)		
Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	430.63	80.95
33 05 63 00-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	487.92	80.95
33 05 63 00-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	552.49	107.94
33 05 63 00-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	608.74	107.94
33 05 63 00-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	710.90	148.41
33 05 63 00-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,272.92	251.92
33 05 63 00-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,211.42	251.92
33 05 63 00-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,224.84	251.92
33 05 63 00-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,683.01	269.91
33 05 63 00-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,733.19	287.90
33 05 63 00-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,626.49	287.90
33 05 63 00-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	731.24	80.95
33 05 63 00-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	766.23	80.95
33 05 63 00-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	808.91	107.94
33 05 63 00-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	865.77	107.94
33 05 63 00-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	992.14	148.41
33 05 63 00-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,608.87	251.92
33 05 63 00-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	560.14	80.95
33 05 63 00-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	629.18	80.95
33 05 63 00-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	809.95	148.41
33 05 63 00-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,617.17	269.91
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)		
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)		
33 05 63 00-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	162.51	10.80
33 05 63 00-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	164.71	10.80
33 05 63 00-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	152.10	10.80
33 05 63 00-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	165.14	10.80
33 05 63 00-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	166.82	10.79
33 05 63 00-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	192.50	10.79
33 05 63 00-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	224.28	10.79
33 05 63 00-0299 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,500.22	32.39
33 05 63 00-0300 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,310.75	32.39
33 05 63 00-0301 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,970.70	32.39
33 05 63 00-0302 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,993.20	32.39
33 05 63 00-0303 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,260.23	32.39
33 05 63 00-0304 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,464.21	32.39
33 05 63 00-0305 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,970.14	32.39
33 05 63 00-0306 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	138.08	10.79
33 05 63 00-0307 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	201.14	10.79
33 05 63 00-0308 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	204.07	10.79
33 05 63 00-0309 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	258.73	10.79
33 05 63 00-0310 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	193.32	10.79
33 05 63 00-0311 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	307.46	10.79
33 05 63 00-0312 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	239.76	10.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0313 EA 27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	500.07	10.79
33 05 63 00-0314 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	433.42	16.19
33 05 63 00-0315 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	546.08	16.19
33 05 63 00-0316 EA 39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	705.24	18.88
33 05 63 00-0317 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	992.86	25.19
33 05 63 00-0318 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,030.26	47.98
33 05 63 00-0319 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	262.00	10.79
33 05 63 00-0320 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	376.82	10.79
33 05 63 00-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	429.82	10.79
33 05 63 00-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	719.76	10.79
33 05 63 00-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	588.30	16.19
33 05 63 00-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,000.25	18.88
33 05 63 00-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,312.43	25.19
33 05 63 00-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,771.86	32.39
33 05 63 00-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,573.34	32.39
33 05 63 00-0328 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,204.62	32.39
33 05 63 00-0329 EA 48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,876.00	32.39
33 05 63 00-0330 EA 36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,753.53	32.39
33 05 63 00-0331 EA 48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,188.79	32.39
33 05 63 00-0332 EA 48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	6,479.59	32.39
33 05 63 00-0333 EA 11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	347.07	10.79
33 05 63 00-0334 EA 11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	380.24	10.79
33 05 63 00-0335 EA 13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	503.09	10.79
33 05 63 00-0336 EA 17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	574.38	10.79
33 05 63 00-0337 EA 27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	998.36	10.79
33 05 63 00-0338 EA 24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	719.58	16.19
33 05 63 00-0339 EA 24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	988.01	16.19
33 05 63 00-0340 EA 39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,536.26	18.88
33 05 63 00-0341 EA 36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,757.28	25.19
33 05 63 00-0342 EA 30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,826.75	47.98
33 05 63 00-0343 EA 30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,113.64	32.39
33 05 63 00-0344 EA 36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,957.68	32.39
33 05 63 00-0345 EA 48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,144.86	32.39
33 05 63 00-0346 EA 36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,696.82	32.39
33 05 63 00-0347 EA 48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	6,137.84	32.39
33 05 63 00-0348 EA 48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	9,483.29	32.39
33 05 63 00-0349	Polymer Concrete Handhole Enclosure Covers With Gaskets <small>(33 05 63 00-0290)</small>	
33 05 63 00-0350 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	187.76	10.80
33 05 63 00-0351 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	198.86	10.80
33 05 63 00-0352 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	202.48	10.79
33 05 63 00-0353 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	203.84	10.79
33 05 63 00-0354 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	236.40	10.79
33 05 63 00-0355 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	148.32	10.79
33 05 63 00-0356 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	211.64	10.79
33 05 63 00-0357 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	213.67	10.79
33 05 63 00-0358 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	269.54	10.79
33 05 63 00-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	205.09	10.79
33 05 63 00-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	252.20	10.79
33 05 63 00-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	318.92	10.79
33 05 63 00-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	441.10	16.19
33 05 63 00-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	557.89	16.19
33 05 63 00-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,042.38	47.98
33 05 63 00-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	122.29	10.80
33 05 63 00-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	195.38	10.80
33 05 63 00-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	218.17	10.80
33 05 63 00-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	208.05	10.80
33 05 63 00-0369 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	170.09	10.79
33 05 63 00-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	272.47	10.79
33 05 63 00-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	296.13	10.79
33 05 63 00-0372 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	387.95	10.79
33 05 63 00-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	441.91	10.79
33 05 63 00-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	599.11	16.19
33 05 63 00-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	750.84	16.19
33 05 63 00-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,377.64	47.98
33 05 63 00-0377	Polymer Concrete Handhole Enclosure Covers Without Bolts <small>(33 05 63 00-0290)</small>	
33 05 63 00-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	97.15	10.80
33 05 63 00-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	116.81	10.80
33 05 63 00-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	143.28	10.80
33 05 63 00-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	155.05	10.80
33 05 63 00-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	154.72	10.79
33 05 63 00-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	184.88	10.79
33 05 63 00-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	214.51	10.79
33 05 63 00-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	526.78	16.19
33 05 63 00-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	986.13	47.98
33 05 63 00-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,483.66	32.39

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0388	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,292.04	32.39
33 05 63 00-0389	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,939.94	32.39
33 05 63 00-0390	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,871.43	32.39
33 05 63 00-0391	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,242.37	32.39
33 05 63 00-0392	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,398.22	32.39
33 05 63 00-0393	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,843.32	32.39
33 05 63 00-0394	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	132.49	10.79
33 05 63 00-0395	EA		10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	129.21	10.79
33 05 63 00-0396	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	194.07	10.79
33 05 63 00-0397	EA		11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	213.93	10.79
33 05 63 00-0398	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	243.04	10.79
33 05 63 00-0399	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	183.17	10.79
33 05 63 00-0400	EA		18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	205.09	10.79
33 05 63 00-0401	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	293.72	10.79
33 05 63 00-0402	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	424.51	16.19
33 05 63 00-0403	EA		20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	533.89	16.19
33 05 63 00-0404	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	526.46	16.19
33 05 63 00-0405	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	952.62	25.19
33 05 63 00-0406	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	986.13	28.79

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,545.39	32.39
33 05 63 00-0409	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,244.66	32.39
33 05 63 00-0410	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,295.84	47.98
33 05 63 00-0411	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,722.72	47.98
33 05 63 00-0412	EA		30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,839.01	32.39
33 05 63 00-0413	EA		36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,512.02	32.39

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	599.32	16.19
33 05 63 00-0416	EA		36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,118.81	25.19
33 05 63 00-0417	EA		30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,168.65	47.98
33 05 63 00-0418	EA		6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	91.67	10.80
33 05 63 00-0419	EA		8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	156.10	10.80
33 05 63 00-0420	EA		12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	172.39	10.80
33 05 63 00-0421	EA		8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	183.18	10.80
33 05 63 00-0422	EA		10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	159.94	10.79
33 05 63 00-0423	EA		11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	286.53	10.79
33 05 63 00-0424	EA		24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	806.28	16.19
33 05 63 00-0425	EA		36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,492.05	25.19
33 05 63 00-0426	EA		30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,562.47	47.98

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA		12" x 12" x 12" Precast Concrete Handholes With Steel Cover	1,024.14	257.05
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429	EA		12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,743.90	385.58
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	111.45	
33 05 63 00-0430	EA		18" x 30" x 18" Precast Concrete Handholes With Steel Cover	2,091.66	514.10
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	196.26	
33 05 63 00-0431	EA		24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,182.42	514.10
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	248.54	
33 05 63 00-0432	EA		24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,547.52	642.63
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	299.75	
33 05 63 00-0433	EA		30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,698.04	642.63
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	328.21	
33 05 63 00-0434	EA		36" x 36" x 48" Precast Concrete Handholes With Steel Cover	3,103.09	771.16
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	383.89	
33 05 63 00-0435	EA		48" x 48" x 48" Precast Concrete Handholes With Steel Cover	3,556.31	899.68
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	532.90	
33 05 63 00-0436	EA		48" x 72" x 36" Precast Concrete Handholes With Steel Cover	3,550.59	771.16
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	573.21	
33 05 63 00-0437	EA		54" x 38" x 24" Precast Concrete Handholes With Steel Cover	3,589.07	771.16
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	403.01	
33 05 63 00-0438	EA		6" Diameter Precast Concrete Handholes With Steel Cover	777.70	257.05
			Note: 8000 To 12000 pound traffic rated top.		
			For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	923.02 15.00	289.18
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	1,149.39 15.00	321.31

33 05 81 Metallic Castings for Utility Structures (33 05)

33 05 81 00-0001 Manhole Accessories (33 05 81)

33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001)

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003 EA Cast Iron Manhole Step For New Manholes	103.56	
33 05 81 00-0004 EA Galvanized Steel Manhole Step For New Manholes.....	69.02	
33 05 81 00-0005 EA Aluminum Manhole Step For New Manholes.....	99.85	

33 05 81 00-0006 Manhole Covers And Frames (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0008 EA 18" Square, Gray Iron, Manhole Cover With Frame For Ductile Iron Castings, Add	2,610.00 1,626.29	94.84
33 05 81 00-0009 EA 18" Diameter, Gray Iron, Manhole Cover With Frame For Ductile Iron Castings, Add	1,414.44 789.40	94.84
33 05 81 00-0010 EA 24" Diameter, Gray Iron, Manhole Cover With Frame For Ductile Iron Castings, Add	1,634.71 912.71	110.28
33 05 81 00-0011 EA 24" Square, Gray Iron, Manhole Cover With Frame For Ductile Iron Castings, Add	2,633.08 1,585.84	122.41
33 05 81 00-0012 EA 26" Diameter, Gray Iron, Manhole Cover With Frame For Ductile Iron Castings, Add	2,195.83 1,258.07	132.33
33 05 81 00-0013 EA 30" Diameter, Gray Iron, Manhole Cover With Frame For Ductile Iron Castings, Add	2,291.80 1,314.79	137.85

33 05 81 00-0014 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0015 EA 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame For Ductile Iron Castings, Add	2,877.15 1,795.84	78.29
33 05 81 00-0016 EA 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame For Ductile Iron Castings, Add	2,911.22 1,801.72	78.29
33 05 81 00-0017 EA 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame For Ductile Iron Castings, Add	2,958.46 1,813.60	91.53
33 05 81 00-0018 EA 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame For Ductile Iron Castings, Add	3,540.42 2,199.28	102.56
33 05 81 00-0019 EA 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame For Ductile Iron Castings, Add	4,122.52 2,596.29	104.76
33 05 81 00-0020 EA 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame For Ductile Iron Castings, Add	4,346.24 2,749.10	106.97
33 05 81 00-0021 EA 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame For Ductile Iron Castings, Add	4,546.36 2,885.25	110.28

33 05 81 00-0022 Aluminum Manhole Covers And Frames (33 05 81 00-0006)

33 05 81 00-0023 EA 12" Square Aluminum Manhole Cover With Frame	1,233.77	30.45
33 05 81 00-0024 EA 18" Square Aluminum Manhole Cover With Frame	2,273.94	33.72
33 05 81 00-0025 EA 24" Square Aluminum Manhole Cover With Frame	3,269.61	39.16

33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0027 EA Removal And Reinstallation Of Manhole Cover And Frame.....	442.15	
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33 05 83 Non-Metallic Accessories for Utility Structures (33 05)

33 05 83 00-0001 Manhole Accessories (33 05 83)

33 05 83 00-0002 Steps For Cast-In-Place Manholes (33 05 83 00-0001)

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003 EA Polypropylene Manhole Step For New Manholes	52.87	
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33 05 83 00-0004 Rainguard Inflow Protectors (33 05 83)

33 05 83 00-0005 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	139.91	22.99
33 05 83 00-0006 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	163.42	22.99
33 05 83 00-0007 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	195.36	27.59
33 05 83 00-0008 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	210.21	27.59
33 05 83 00-0009 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	261.70	32.19
33 05 83 00-0010 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	279.94	32.19

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 84 Accessories for Utility Structures (33 05)

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001	Manhole Accessories <small>(33 05 84)</small>		
33 05 84 00-0002	Precast Concrete Manhole Tops <small>(33 05 84 00-0001)</small>		
33 05 84 00-0003	Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0004	EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	623.97	82.71
33 05 84 00-0005	EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	879.31	89.33
33 05 84 00-0006	EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	1,196.33	95.94
33 05 84 00-0007	EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	1,435.55	102.56
33 05 84 00-0008	EA 7' Diameter x 8" Thick Precast Manhole Top Slab.....	2,197.47	110.28
33 05 84 00-0009	EA 8' Diameter x 10" Thick Precast Manhole Top Slab.....	2,941.09	118.55
33 05 84 00-0010	EA 10' Diameter x 12" Thick Precast Manhole Top Slab.....	4,992.55	126.82
33 05 84 00-0011	EA 12' Diameter x 12" Thick Precast Manhole Top Slab.....	7,094.59	136.47
33 05 84 00-0012	Precast Concrete Manhole Cone Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0013	EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	999.80	103.38
33 05 84 00-0014	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	1,114.05	107.52
33 05 84 00-0015	EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	1,228.32	111.66
33 05 84 00-0016	EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	1,451.29	118.55
33 05 84 00-0017	EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,679.80	126.82
33 05 84 00-0018	EA 7' Diameter x 8" Thick Precast Manhole Top Cone.....	2,678.75	135.09
33 05 84 00-0019	EA 8' Diameter x 10" Thick Precast Manhole Top Cone.....	3,369.61	148.88
33 05 84 00-0020	Precast Concrete Manhole Reducer Slabs <small>(33 05 84 00-0002)</small>		
33 05 84 00-0021	EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,309.46	95.94
33 05 84 00-0022	EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,690.36	102.56
33 05 84 00-0023	EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	2,238.20	102.56
33 05 84 00-0024	EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	3,554.52	102.56
33 05 84 00-0025	EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	4,578.58	102.56
33 05 84 00-0026	EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	6,640.74	102.56
33 05 84 00-0027	Pipe To Manhole Connector <small>(33 05 84 00-0001)</small>		
33 05 84 00-0028	Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 05 84 00-0027)</small>		
33 05 84 00-0029	EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	123.62	
33 05 84 00-0030	EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	194.93	
33 05 84 00-0031	EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	219.12	
33 05 84 00-0032	EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	351.58	
33 05 84 00-0033	EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	499.62	
33 05 84 00-0034	EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	653.60	
33 05 84 00-0035	EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,224.53	
33 05 84 00-0036	EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,711.95	
33 05 84 00-0037	EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,756.56	
33 05 84 00-0038	EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	3,228.63	
33 05 84 00-0039	Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 05 84 00-0027)</small> Note: Fernco CMA.		
33 05 84 00-0040	EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	114.34	
33 05 84 00-0041	EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	158.97	
33 05 84 00-0042	EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	200.92	
33 05 84 00-0043	EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	242.67	
33 05 84 00-0044	EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	281.48	
33 05 84 00-0045	Brick And Grout Pipe To Manhole Connector <small>(33 05 84 00-0027)</small>		
33 05 84 00-0046	EA Seal Gap Between Pipe And Structure With Brick And Grout.....	287.56	
33 05 84 00-0047	Inverts For Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0048	EA Single Channel Concrete Invert For Manholes.....	441.49	
33 05 84 00-0049	EA Double Channel Concrete Invert For Manholes.....	639.36	
33 05 84 00-0050	EA Triple Channel Concrete Invert For Manholes.....	860.17	
33 05 84 00-0051	EA Quad Channel Concrete Invert For Manholes.....	1,080.95	
33 05 84 00-0052	EA Single Channel Brick Invert For Manholes.....	678.05	
33 05 84 00-0053	EA Double Channel Brick Invert For Manholes.....	1,014.91	
33 05 84 00-0054	EA Triple Channel Brick Invert For Manholes.....	1,357.54	
33 05 84 00-0055	EA Quad Channel Brick Invert For Manholes.....	1,696.49	
33 05 84 00-0056	Protective Coating For New Manholes <small>(33 05 84 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0057 Polyurethane Protective Coating For New Manholes <small>(33 05 84 00-0056)</small>		
33 05 84 00-0058 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	211.98	
<i>For 80 Mil Material, Add</i>	31.77	
<i>For 100 Mil Material, Add</i>	63.53	
<i>For 125 Mil Material, Add</i>	100.41	
<i>For 150 Mil Material, Add</i>	137.30	
<i>For 200 Mil Material, Add</i>	203.54	
<i>For 2 To 5 Manholes, Deduct</i>	-14.36	
<i>For 6 To 10 Manholes, Deduct</i>	-23.43	
<i>For >10 Manholes, Deduct</i>	-46.85	
33 05 84 00-0059 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	255.74	
<i>For 80 Mil Material, Add</i>	37.71	
<i>For 100 Mil Material, Add</i>	75.42	
<i>For 125 Mil Material, Add</i>	119.10	
<i>For 150 Mil Material, Add</i>	162.79	
<i>For 200 Mil Material, Add</i>	240.95	
<i>For 2 To 5 Manholes, Deduct</i>	-17.39	
<i>For 6 To 10 Manholes, Deduct</i>	-28.38	
<i>For >10 Manholes, Deduct</i>	-56.76	
33 05 84 00-0060 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	282.63	
<i>For 80 Mil Material, Add</i>	42.35	
<i>For 100 Mil Material, Add</i>	84.70	
<i>For 125 Mil Material, Add</i>	133.88	
<i>For 150 Mil Material, Add</i>	183.06	
<i>For 200 Mil Material, Add</i>	271.37	
<i>For 2 To 5 Manholes, Deduct</i>	-19.15	
<i>For 6 To 10 Manholes, Deduct</i>	-31.23	
<i>For >10 Manholes, Deduct</i>	-62.47	
33 05 84 00-0061 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	353.36	
<i>For 80 Mil Material, Add</i>	52.96	
<i>For 100 Mil Material, Add</i>	105.93	
<i>For 125 Mil Material, Add</i>	167.42	
<i>For 150 Mil Material, Add</i>	228.92	
<i>For 200 Mil Material, Add</i>	339.37	
<i>For 2 To 5 Manholes, Deduct</i>	-23.94	
<i>For 6 To 10 Manholes, Deduct</i>	-39.05	
<i>For >10 Manholes, Deduct</i>	-78.10	
33 05 84 00-0062 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	410.64	
<i>For 80 Mil Material, Add</i>	62.55	
<i>For 100 Mil Material, Add</i>	125.09	
<i>For 125 Mil Material, Add</i>	197.88	
<i>For 150 Mil Material, Add</i>	270.67	
<i>For 200 Mil Material, Add</i>	401.86	
<i>For 2 To 5 Manholes, Deduct</i>	-27.73	
<i>For 6 To 10 Manholes, Deduct</i>	-45.19	
<i>For >10 Manholes, Deduct</i>	-90.37	
33 05 84 00-0063 Polyvinyl Chloride (PVC) Liner <small>(33 05 84 00-0056)</small>		
<i>Note: For new manholes and shop applied.</i>		
33 05 84 00-0064 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	288.76	
33 05 84 00-0065 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	353.97	
33 05 84 00-0066 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	431.97	
33 05 84 00-0067 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	542.48	
33 05 84 00-0068 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	652.98	
33 05 84 00-0069 SF Polyvinyl Chloride (PVC) Liner At Structures	79.76	
33 05 84 00-0070 Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0001)</small>		
33 05 84 00-0071 18" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0070)</small>		
33 05 84 00-0072 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	95.35	
33 05 84 00-0073 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	104.49	
33 05 84 00-0074 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	113.64	
33 05 84 00-0075 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	122.78	
33 05 84 00-0076 24" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0070)</small>		
33 05 84 00-0077 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	107.10	
33 05 84 00-0078 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	117.50	
33 05 84 00-0079 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	127.89	
33 05 84 00-0080 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	138.28	
33 05 84 00-0081 30" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0070)</small>		
33 05 84 00-0082 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	118.60	
33 05 84 00-0083 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	130.19	
33 05 84 00-0084 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	141.78	
33 05 84 00-0085 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	153.37	
33 05 84 00-0086 Bentonite Collar <small>(33 05 84 00-0001)</small>		

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 84 00-0087	Bentonite Collar At Manhole Connections (33 05 84 00-0086)	
33 05 84 00-0088	EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	156.45
33 05 84 00-0089	EA >12" To 21", Bentonite Collar At Manhole Connection	247.83
33 05 84 00-0090	EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	392.61
33 05 84 00-0091	EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	917.59
33 05 84 00-0092	EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,432.82
33 05 84 00-0093	EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,602.40

33 05 84 00-0094 **Waste Water Collection System Taps** (33 05 84)
Note: For tapping existing structures only. Includes gROUT.

33 05 84 00-0095	Brick Manhole Taps (33 05 84 00-0094)	
33 05 84 00-0096	EA 4" Tap In 6" Brick Manhole	569.33
33 05 84 00-0097	EA 6" Tap In 6" Brick Manhole	635.73
33 05 84 00-0098	EA 8" Tap In 6" Brick Manhole	700.94
33 05 84 00-0099	EA 10" Tap In 6" Brick Manhole	766.02
33 05 84 00-0100	EA 12" Tap In 6" Brick Manhole	845.75
33 05 84 00-0101	EA 15" Tap In 6" Brick Manhole	910.69

33 05 84 00-0102	Precast Concrete Manhole Tap (33 05 84 00-0094)	
33 05 84 00-0103	EA 4" Tap In Existing Precast Concrete Manhole.....	830.28
33 05 84 00-0104	EA 6" Tap In Existing Precast Concrete Manhole.....	929.87
33 05 84 00-0105	EA 8" Tap In Existing Precast Concrete Manhole.....	1,040.18
33 05 84 00-0106	EA 10" Tap In Existing Precast Concrete Manhole.....	1,137.80
33 05 84 00-0107	EA 12" Tap In Existing Precast Concrete Manhole.....	1,235.23
33 05 84 00-0108	EA 15" Tap In Existing Precast Concrete Manhole.....	1,335.02
33 05 84 00-0109	EA 18" Tap In Existing Precast Concrete Manhole.....	1,537.99
33 05 84 00-0110	EA 24" Tap In Existing Precast Concrete Manhole.....	1,977.96

33 05 97 Identification and Signage for Utilities (33 05)**33 05 97 16 Markers for Utility Identification** (33 05 97)

33 05 97 16-0001	Reflective Sheeting Delineators (33 05 97 16)	
33 05 97 16-0002	EA Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square.....	50.01
33 05 97 16-0003	EA Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square.....	53.81
33 05 97 16-0004	EA Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square.....	61.41
33 05 97 16-0005	EA Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square.....	65.21
33 05 97 16-0006	EA Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square	69.01
33 05 97 16-0007	EA Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square	58.56
33 05 97 16-0008	EA Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	50.96
33 05 97 16-0009	EA Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	54.76
33 05 97 16-0010	EA Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	54.76
33 05 97 16-0011	EA Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	58.56
33 05 97 16-0012	EA Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	62.36
33 05 97 16-0013	EA Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	66.16
33 05 97 16-0014	EA Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	100.36
33 05 97 16-0015	EA Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	65.21
33 05 97 16-0016	EA Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	105.11
33 05 97 16-0017	EA Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	100.36
33 05 97 16-0018	EA Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	104.16
33 05 97 16-0019	EA Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	105.11
33 05 97 16-0020	EA Relocate Delineator	62.03

33 05 97 16-0021	Reference Markers (33 05 97 16)	
33 05 97 16-0022	EA Reference Marker, 4' Mounting Height	99.17
33 05 97 16-0023	EA Reference Marker, 7' Mounting Height	124.06
33 05 97 16-0024	EA Reference Marker, Band Or Bracket Mounted.....	116.80
33 05 97 16-0025	EA Reference Marker, Furnish Panel Only.....	106.81
33 05 97 16-0026	EA Relocate Reference Marker	62.03

33 05 97 16-0027	Object Markers (33 05 97 16)	
33 05 97 16-0028	EA Object Marker, Type L-1	95.26
33 05 97 16-0029	EA Object Marker, Type L-2	87.74
33 05 97 16-0030	EA Object Marker, Type K-1	101.28
33 05 97 16-0031	EA Object Marker, Type K-2.....	93.75
33 05 97 16-0032	EA Object Marker, Type Q.....	63.66



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 97 23 Utility Identification Warning Tape (33 05 97)

33 05 97 23-0001	Non-Detectable Utility Warning Tape	<small>(33 05 97 23)</small> Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002	CLF 3" Non-Detectable Utility Warning Tape			8.11
33 05 97 23-0003	CLF 6" Non-Detectable Utility Warning Tape			11.45

33 05 97 23-0004	Detectable Utility Warning Tape	<small>(33 05 97 23)</small> Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005	CLF 2" Detectable Utility Warning Tape			8.25
33 05 97 23-0006	CLF 3" Detectable Utility Warning Tape			11.27
33 05 97 23-0007	CLF 6" Detectable Utility Warning Tape			18.11

33 10 Water Utilities (33)

33 11 Groundwater Sources (33 10)

33 11 13 Potable Water Supply Wells (33 11)

33 11 13 00-0001	Drill And Test Water Well	<small>(33 11 13)</small>		
33 11 13 00-0002	Drill Hole	<small>(33 11 13 00-0001)</small> Note: Excludes loading and hauling of spoils.		
33 11 13 00-0003	Mobilization And Demobilization	<small>(33 11 13 00-0002)</small>		
33 11 13 00-0004	EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization			1,063.53
33 11 13 00-0005	EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization			1,302.67
33 11 13 00-0006	EA >24" To 36" Diameter, Well Drilling Mobilization And Demobilization			1,954.01

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. (33 11 13 00-0002)

<small>Note: Excludes well casing, gravel or materials.</small>				
33 11 13 00-0008	LF Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			25.24
	<i>For >100 To 250, Add</i>			0.63
	<i>For >250 To 400, Add</i>			1.26
	<i>For >400 To 600, Add</i>			1.89
	<i>For >600 To 750, Add</i>			2.52
	<i>For >750, Add</i>			3.16
33 11 13 00-0009	LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			29.96
	<i>For >100 To 250, Add</i>			0.75
	<i>For >250 To 400, Add</i>			1.50
	<i>For >400 To 600, Add</i>			2.25
	<i>For >600 To 750, Add</i>			3.00
	<i>For >750, Add</i>			3.75
33 11 13 00-0010	LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			40.06
	<i>For >100 To 250, Add</i>			1.00
	<i>For >250 To 400, Add</i>			2.00
	<i>For >400 To 600, Add</i>			3.00
	<i>For >600 To 750, Add</i>			4.01
	<i>For >750, Add</i>			5.01
33 11 13 00-0011	LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			62.69
	<i>For >100 To 250, Add</i>			1.57
	<i>For >250 To 400, Add</i>			3.13
	<i>For >400 To 600, Add</i>			4.70
	<i>For >600 To 750, Add</i>			6.27
	<i>For >750, Add</i>			7.84
33 11 13 00-0012	LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			90.21
	<i>For >100 To 250, Add</i>			2.26
	<i>For >250 To 400, Add</i>			4.51
	<i>For >400 To 600, Add</i>			6.77
	<i>For >600 To 750, Add</i>			9.02
	<i>For >750, Add</i>			11.28
33 11 13 00-0013	LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			117.89
	<i>For >100 To 250, Add</i>			2.95
	<i>For >250 To 400, Add</i>			5.89
	<i>For >400 To 600, Add</i>			8.84
	<i>For >600 To 750, Add</i>			11.79
	<i>For >750, Add</i>			14.74
33 11 13 00-0014	LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			140.03
	<i>For >100 To 250, Add</i>			3.50
	<i>For >250 To 400, Add</i>			7.00
	<i>For >400 To 600, Add</i>			10.50
	<i>For >600 To 750, Add</i>			14.00
	<i>For >750, Add</i>			17.50
33 11 13 00-0015	LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.			162.84
	<i>For >100 To 250, Add</i>			4.07
	<i>For >250 To 400, Add</i>			8.14
	<i>For >400 To 600, Add</i>			12.21
	<i>For >600 To 750, Add</i>			16.28
	<i>For >750, Add</i>			20.36

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0016	LF		22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	191.33	
			<i>For>100 To 250, Add</i>	4.78	
			<i>For>250 To 400, Add</i>	9.57	
			<i>For>400 To 600, Add</i>	14.35	
			<i>For>600 To 750, Add</i>	19.13	
			<i>For>750, Add</i>	23.92	
33 11 13 00-0017	LF		24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	225.53	
			<i>For>100 To 250, Add</i>	5.64	
			<i>For>250 To 400, Add</i>	11.28	
			<i>For>400 To 600, Add</i>	16.91	
			<i>For>600 To 750, Add</i>	22.55	
			<i>For>750, Add</i>	28.19	
33 11 13 00-0018	LF		26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	243.77	
			<i>For>100 To 250, Add</i>	6.09	
			<i>For>250 To 400, Add</i>	12.19	
			<i>For>400 To 600, Add</i>	18.28	
			<i>For>600 To 750, Add</i>	24.38	
			<i>For>750, Add</i>	30.47	
33 11 13 00-0019	LF		28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	268.18	
			<i>For>100 To 250, Add</i>	6.70	
			<i>For>250 To 400, Add</i>	13.41	
			<i>For>400 To 600, Add</i>	20.11	
			<i>For>600 To 750, Add</i>	26.82	
			<i>For>750, Add</i>	33.52	
33 11 13 00-0020	LF		30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	293.75	
			<i>For>100 To 250, Add</i>	7.34	
			<i>For>250 To 400, Add</i>	14.69	
			<i>For>400 To 600, Add</i>	22.03	
			<i>For>600 To 750, Add</i>	29.38	
			<i>For>750, Add</i>	36.72	
33 11 13 00-0021	LF		36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	365.40	
			<i>For>100 To 250, Add</i>	9.14	
			<i>For>250 To 400, Add</i>	18.27	
			<i>For>400 To 600, Add</i>	27.41	
			<i>For>600 To 750, Add</i>	36.54	
			<i>For>750, Add</i>	45.68	
33 11 13 00-0022			Drill Hole In Sedimentary Rock <small>(33 11 13 00-0002)</small>		
33 11 13 00-0023	LF		6" Water Well Hole Drilled In Sedimentary Rock	51.46	
			<i>For>100 To 250, Add</i>	1.29	
			<i>For>250 To 400, Add</i>	2.57	
			<i>For>400 To 600, Add</i>	3.86	
			<i>For>600 To 750, Add</i>	5.15	
			<i>For>750, Add</i>	6.43	
33 11 13 00-0024	LF		8" Water Well Hole Drilled In Sedimentary Rock	59.93	
			<i>For>100 To 250, Add</i>	1.50	
			<i>For>250 To 400, Add</i>	3.00	
			<i>For>400 To 600, Add</i>	4.49	
			<i>For>600 To 750, Add</i>	5.99	
			<i>For>750, Add</i>	7.49	
33 11 13 00-0025	LF		10" Water Well Hole Drilled In Sedimentary Rock	95.94	
			<i>For>100 To 250, Add</i>	2.40	
			<i>For>250 To 400, Add</i>	4.80	
			<i>For>400 To 600, Add</i>	7.20	
			<i>For>600 To 750, Add</i>	9.59	
			<i>For>750, Add</i>	11.99	
33 11 13 00-0026	LF		12" Water Well Hole Drilled In Sedimentary Rock	125.44	
			<i>For>100 To 250, Add</i>	3.14	
			<i>For>250 To 400, Add</i>	6.27	
			<i>For>400 To 600, Add</i>	9.41	
			<i>For>600 To 750, Add</i>	12.54	
			<i>For>750, Add</i>	15.68	
33 11 13 00-0027	LF		14" Water Well Hole Drilled In Sedimentary Rock	180.55	
			<i>For>100 To 250, Add</i>	4.51	
			<i>For>250 To 400, Add</i>	9.03	
			<i>For>400 To 600, Add</i>	13.54	
			<i>For>600 To 750, Add</i>	18.06	
			<i>For>750, Add</i>	22.57	
33 11 13 00-0028	LF		16" Water Well Hole Drilled In Sedimentary Rock	235.65	
			<i>For>100 To 250, Add</i>	5.89	
			<i>For>250 To 400, Add</i>	11.78	
			<i>For>400 To 600, Add</i>	17.67	
			<i>For>600 To 750, Add</i>	23.57	
			<i>For>750, Add</i>	29.46	
33 11 13 00-0029	LF		18" Water Well Hole Drilled In Sedimentary Rock	280.21	
			<i>For>100 To 250, Add</i>	7.01	
			<i>For>250 To 400, Add</i>	14.01	
			<i>For>400 To 600, Add</i>	21.02	
			<i>For>600 To 750, Add</i>	28.02	
			<i>For>750, Add</i>	35.03	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	325.14	
For >100 To 250, Add	8.13	
For >250 To 400, Add	16.26	
For >400 To 600, Add	24.39	
For >600 To 750, Add	32.51	
For >750, Add	40.64	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	382.99	
For >100 To 250, Add	9.57	
For >250 To 400, Add	19.15	
For >400 To 600, Add	28.72	
For >600 To 750, Add	38.30	
For >750, Add	47.87	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	442.38	
For >100 To 250, Add	11.06	
For >250 To 400, Add	22.12	
For >400 To 600, Add	33.18	
For >600 To 750, Add	44.24	
For >750, Add	55.30	
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	487.52	
For >100 To 250, Add	12.19	
For >250 To 400, Add	24.38	
For >400 To 600, Add	36.56	
For >600 To 750, Add	48.75	
For >750, Add	60.94	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	536.38	
For >100 To 250, Add	13.41	
For >250 To 400, Add	26.82	
For >400 To 600, Add	40.23	
For >600 To 750, Add	53.64	
For >750, Add	67.05	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	587.50	
For >100 To 250, Add	14.69	
For >250 To 400, Add	29.38	
For >400 To 600, Add	44.06	
For >600 To 750, Add	58.75	
For >750, Add	73.44	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	730.79	
For >100 To 250, Add	18.27	
For >250 To 400, Add	36.54	
For >400 To 600, Add	54.81	
For >600 To 750, Add	73.08	
For >750, Add	91.35	
33 11 13 00-0037 Drill Hole In Crystalline Rock (33 11 13 00-0002)		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	105.85	
For >100 To 250, Add	2.65	
For >250 To 400, Add	5.29	
For >400 To 600, Add	7.94	
For >600 To 750, Add	10.59	
For >750, Add	13.23	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	122.13	
For >100 To 250, Add	3.05	
For >250 To 400, Add	6.11	
For >400 To 600, Add	9.16	
For >600 To 750, Add	12.21	
For >750, Add	15.27	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	140.03	
For >100 To 250, Add	3.50	
For >250 To 400, Add	7.00	
For >400 To 600, Add	10.50	
For >600 To 750, Add	14.00	
For >750, Add	17.50	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	177.49	
For >100 To 250, Add	4.44	
For >250 To 400, Add	8.87	
For >400 To 600, Add	13.31	
For >600 To 750, Add	17.75	
For >750, Add	22.19	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	229.60	
For >100 To 250, Add	5.74	
For >250 To 400, Add	11.48	
For >400 To 600, Add	17.22	
For >600 To 750, Add	22.96	
For >750, Add	28.70	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	333.81	
For >100 To 250, Add	8.35	
For >250 To 400, Add	16.69	
For >400 To 600, Add	25.04	
For >600 To 750, Add	33.38	
For >750, Add	41.73	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0044	LF		18" Water Well Hole Drilled In Crystalline Rock.....	397.31	
			<i>For>100 To 250, Add</i>	9.93	
			<i>For>250 To 400, Add</i>	19.87	
			<i>For>400 To 600, Add</i>	29.80	
			<i>For>600 To 750, Add</i>	39.73	
			<i>For>750, Add</i>	49.66	
33 11 13 00-0045	LF		20" Water Well Hole Drilled In Crystalline Rock.....	460.82	
			<i>For>100 To 250, Add</i>	11.52	
			<i>For>250 To 400, Add</i>	23.04	
			<i>For>400 To 600, Add</i>	34.56	
			<i>For>600 To 750, Add</i>	46.08	
			<i>For>750, Add</i>	57.60	
33 11 13 00-0046	LF		22" Water Well Hole Drilled In Crystalline Rock.....	542.24	
			<i>For>100 To 250, Add</i>	13.56	
			<i>For>250 To 400, Add</i>	27.11	
			<i>For>400 To 600, Add</i>	40.67	
			<i>For>600 To 750, Add</i>	54.22	
			<i>For>750, Add</i>	67.78	
33 11 13 00-0047	LF		24" Water Well Hole Drilled In Crystalline Rock.....	626.91	
			<i>For>100 To 250, Add</i>	15.67	
			<i>For>250 To 400, Add</i>	31.35	
			<i>For>400 To 600, Add</i>	47.02	
			<i>For>600 To 750, Add</i>	62.69	
			<i>For>750, Add</i>	78.36	
33 11 13 00-0048			Furnish And Install Casing (33 11 13 00-0001)		
			Note: Excludes drilling of hole.		
33 11 13 00-0049			Steel Well Casing (33 11 13 00-0048)		
33 11 13 00-0050	LF		6" Diameter, Steel Well Casing, Flush.....	50.89	
			<i>For>100 To 250, Deduct</i>	-1.50	
			<i>For>250 To 400, Deduct</i>	-2.77	
			<i>For>400 To 600, Deduct</i>	-4.15	
			<i>For>600 To 750, Deduct</i>	-5.54	
			<i>For>750, Deduct</i>	-7.22	
33 11 13 00-0051	LF		8" Diameter, Steel Well Casing, Flush.....	63.25	
			<i>For>100 To 250, Deduct</i>	-1.86	
			<i>For>250 To 400, Deduct</i>	-3.44	
			<i>For>400 To 600, Deduct</i>	-5.17	
			<i>For>600 To 750, Deduct</i>	-6.89	
			<i>For>750, Deduct</i>	-8.97	
33 11 13 00-0052	LF		10" Diameter, Steel Well Casing, Flush.....	94.22	
			<i>For>100 To 250, Deduct</i>	-2.69	
			<i>For>250 To 400, Deduct</i>	-5.05	
			<i>For>400 To 600, Deduct</i>	-7.57	
			<i>For>600 To 750, Deduct</i>	-10.10	
			<i>For>750, Deduct</i>	-13.06	
33 11 13 00-0053	LF		12" Diameter, Steel Well Casing, Flush.....	159.23	
			<i>For>100 To 250, Deduct</i>	-4.39	
			<i>For>250 To 400, Deduct</i>	-8.37	
			<i>For>400 To 600, Deduct</i>	-12.55	
			<i>For>600 To 750, Deduct</i>	-16.73	
			<i>For>750, Deduct</i>	-21.44	
33 11 13 00-0054	LF		14" Diameter, Steel Well Casing, Flush.....	177.82	
			<i>For>100 To 250, Deduct</i>	-5.01	
			<i>For>250 To 400, Deduct</i>	-9.45	
			<i>For>400 To 600, Deduct</i>	-14.18	
			<i>For>600 To 750, Deduct</i>	-18.91	
			<i>For>750, Deduct</i>	-24.36	
33 11 13 00-0055	LF		16" Diameter, Steel Well Casing, Flush.....	208.51	
			<i>For>100 To 250, Deduct</i>	-5.91	
			<i>For>250 To 400, Deduct</i>	-11.12	
			<i>For>400 To 600, Deduct</i>	-16.68	
			<i>For>600 To 750, Deduct</i>	-22.25	
			<i>For>750, Deduct</i>	-28.71	
33 11 13 00-0056	LF		18" Diameter, Steel Well Casing, Flush.....	237.32	
			<i>For>100 To 250, Deduct</i>	-6.81	
			<i>For>250 To 400, Deduct</i>	-12.74	
			<i>For>400 To 600, Deduct</i>	-19.11	
			<i>For>600 To 750, Deduct</i>	-25.49	
			<i>For>750, Deduct</i>	-33.00	
33 11 13 00-0057	LF		20" Diameter, Steel Well Casing, Flush.....	270.01	
			<i>For>100 To 250, Deduct</i>	-7.83	
			<i>For>250 To 400, Deduct</i>	-14.58	
			<i>For>400 To 600, Deduct</i>	-21.87	
			<i>For>600 To 750, Deduct</i>	-29.16	
			<i>For>750, Deduct</i>	-37.85	
33 11 13 00-0058	LF		24" Diameter, Steel Well Casing, Flush.....	315.92	
			<i>For>100 To 250, Deduct</i>	-9.11	
			<i>For>250 To 400, Deduct</i>	-17.01	
			<i>For>400 To 600, Deduct</i>	-25.52	
			<i>For>600 To 750, Deduct</i>	-34.02	
			<i>For>750, Deduct</i>	-44.10	



	Utilities	33	
	Water Utilities	33 10	33
	Groundwater Sources	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0059	LB		Steel Well Casing, Furnish And Install.....	1.59	
			<i>For >100 To 250, Deduct</i>	-0.06	
			<i>For >250 To 400, Deduct</i>	-0.10	
			<i>For >400 To 600, Deduct</i>	-0.14	
			<i>For >600 To 750, Deduct</i>	-0.19	
			<i>For >750, Deduct</i>	-0.26	
33 11 13 00-0060			Stainless Steel Well Casing, Flush Threaded <small>(33 11 13 00-0048)</small>		
33 11 13 00-0061	LF		6" Diameter, Stainless Steel Well Casing, Flush	112.49	
			<i>For >100 To 250, Deduct</i>	-3.04	
			<i>For >250 To 400, Deduct</i>	-5.85	
			<i>For >400 To 600, Deduct</i>	-8.77	
			<i>For >600 To 750, Deduct</i>	-11.70	
			<i>For >750, Deduct</i>	-14.92	
33 11 13 00-0062	LF		8" Diameter, Stainless Steel Well Casing, Flush	169.70	
			<i>For >100 To 250, Deduct</i>	-4.52	
			<i>For >250 To 400, Deduct</i>	-8.77	
			<i>For >400 To 600, Deduct</i>	-13.15	
			<i>For >600 To 750, Deduct</i>	-17.53	
			<i>For >750, Deduct</i>	-22.28	
33 11 13 00-0063	LF		10" Diameter, Stainless Steel Well Casing, Flush	237.55	
			<i>For >100 To 250, Deduct</i>	-6.30	
			<i>For >250 To 400, Deduct</i>	-12.24	
			<i>For >400 To 600, Deduct</i>	-18.36	
			<i>For >600 To 750, Deduct</i>	-24.47	
			<i>For >750, Deduct</i>	-31.06	
33 11 13 00-0064	LF		12" Diameter, Stainless Steel Well Casing, Flush	276.14	
			<i>For >100 To 250, Deduct</i>	-7.33	
			<i>For >250 To 400, Deduct</i>	-14.23	
			<i>For >400 To 600, Deduct</i>	-21.35	
			<i>For >600 To 750, Deduct</i>	-28.47	
			<i>For >750, Deduct</i>	-36.14	
33 11 13 00-0065			Stainless Steel Well Casing, Welded Ring <small>(33 11 13 00-0048)</small>		
33 11 13 00-0066	LF		10" Diameter, Stainless Steel Well Casing, Welded	248.35	
			<i>For >100 To 250, Deduct</i>	-6.84	
			<i>For >250 To 400, Deduct</i>	-13.05	
			<i>For >400 To 600, Deduct</i>	-19.57	
			<i>For >600 To 750, Deduct</i>	-26.09	
			<i>For >750, Deduct</i>	-33.44	
33 11 13 00-0067	LF		12" Diameter, Stainless Steel Well Casing, Welded	287.84	
			<i>For >100 To 250, Deduct</i>	-7.92	
			<i>For >250 To 400, Deduct</i>	-15.11	
			<i>For >400 To 600, Deduct</i>	-22.67	
			<i>For >600 To 750, Deduct</i>	-30.22	
			<i>For >750, Deduct</i>	-38.71	
33 11 13 00-0068	LF		14" Diameter, Stainless Steel Well Casing, Welded	346.66	
			<i>For >100 To 250, Deduct</i>	-9.48	
			<i>For >250 To 400, Deduct</i>	-18.14	
			<i>For >400 To 600, Deduct</i>	-27.21	
			<i>For >600 To 750, Deduct</i>	-36.29	
			<i>For >750, Deduct</i>	-46.41	
33 11 13 00-0069	LF		16" Diameter, Stainless Steel Well Casing, Welded	397.00	
			<i>For >100 To 250, Deduct</i>	-10.85	
			<i>For >250 To 400, Deduct</i>	-20.77	
			<i>For >400 To 600, Deduct</i>	-31.16	
			<i>For >600 To 750, Deduct</i>	-41.54	
			<i>For >750, Deduct</i>	-53.13	
33 11 13 00-0070	LF		18" Diameter, Stainless Steel Well Casing, Welded	437.86	
			<i>For >100 To 250, Deduct</i>	-12.00	
			<i>For >250 To 400, Deduct</i>	-22.95	
			<i>For >400 To 600, Deduct</i>	-34.42	
			<i>For >600 To 750, Deduct</i>	-45.90	
			<i>For >750, Deduct</i>	-58.75	
33 11 13 00-0071	LF		20" Diameter, Stainless Steel Well Casing, Welded	575.48	
			<i>For >100 To 250, Deduct</i>	-15.65	
			<i>For >250 To 400, Deduct</i>	-30.03	
			<i>For >400 To 600, Deduct</i>	-45.05	
			<i>For >600 To 750, Deduct</i>	-60.07	
			<i>For >750, Deduct</i>	-76.72	
33 11 13 00-0072	LF		24" Diameter, Stainless Steel Well Casing, Welded	759.40	
			<i>For >100 To 250, Deduct</i>	-20.56	
			<i>For >250 To 400, Deduct</i>	-39.54	
			<i>For >400 To 600, Deduct</i>	-59.32	
			<i>For >600 To 750, Deduct</i>	-79.09	
			<i>For >750, Deduct</i>	-100.91	
33 11 13 00-0073			Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 11 13 00-0048)</small>		

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	79.11	
For >100 To 250, Deduct	-2.16	
For >250 To 400, Deduct	-4.14	
For >400 To 600, Deduct	-6.20	
For >600 To 750, Deduct	-8.27	
For >750, Deduct	-10.57	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	125.77	
For >100 To 250, Deduct	-3.43	
For >250 To 400, Deduct	-6.57	
For >400 To 600, Deduct	-9.85	
For >600 To 750, Deduct	-13.14	
For >750, Deduct	-16.79	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	190.01	
For >100 To 250, Deduct	-5.18	
For >250 To 400, Deduct	-9.93	
For >400 To 600, Deduct	-14.89	
For >600 To 750, Deduct	-19.86	
For >750, Deduct	-25.37	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	223.78	
For >100 To 250, Deduct	-6.11	
For >250 To 400, Deduct	-11.71	
For >400 To 600, Deduct	-17.56	
For >600 To 750, Deduct	-23.41	
For >750, Deduct	-29.94	
33 11 13 00-0078 Furnish And Install Well Screen Assembly <small>(33 11 13 00-0001)</small>		
33 11 13 00-0079 Stainless Steel Well Screen <small>(33 11 13 00-0078)</small>		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen	32.65	1.80
For >100 To 250, Deduct	-1.05	
For >250 To 400, Deduct	-1.86	
For >400 To 600, Deduct	-2.79	
For >600 To 750, Deduct	-3.73	
For >750, Deduct	-4.96	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen	53.56	1.80
For >100 To 250, Deduct	-1.59	
For >250 To 400, Deduct	-2.93	
For >400 To 600, Deduct	-4.39	
For >600 To 750, Deduct	-5.85	
For >750, Deduct	-7.64	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen	67.25	2.70
For >100 To 250, Deduct	-2.00	
For >250 To 400, Deduct	-3.68	
For >400 To 600, Deduct	-5.52	
For >600 To 750, Deduct	-7.35	
For >750, Deduct	-9.60	
33 11 13 00-0083 LF 5" Stainless Steel Well Screen	85.37	2.70
For >100 To 250, Deduct	-2.51	
For >250 To 400, Deduct	-4.64	
For >400 To 600, Deduct	-6.96	
For >600 To 750, Deduct	-9.29	
For >750, Deduct	-12.10	
33 11 13 00-0084 LF 6" Stainless Steel Well Screen	101.64	3.60
For >100 To 250, Deduct	-3.04	
For >250 To 400, Deduct	-5.58	
For >400 To 600, Deduct	-8.37	
For >600 To 750, Deduct	-11.16	
For >750, Deduct	-14.60	
33 11 13 00-0085 LF 8" Stainless Steel Well Screen	132.86	4.49
For >100 To 250, Deduct	-3.96	
For >250 To 400, Deduct	-7.28	
For >400 To 600, Deduct	-10.92	
For >600 To 750, Deduct	-14.56	
For >750, Deduct	-19.04	
33 11 13 00-0086 LF 10" Stainless Steel Well Screen	167.82	7.20
For >100 To 250, Deduct	-5.06	
For >250 To 400, Deduct	-9.25	
For >400 To 600, Deduct	-13.88	
For >600 To 750, Deduct	-18.51	
For >750, Deduct	-24.26	
33 11 13 00-0087 LF 12" Stainless Steel Well Screen	196.95	8.99
For >100 To 250, Deduct	-5.93	
For >250 To 400, Deduct	-10.85	
For >400 To 600, Deduct	-16.28	
For >600 To 750, Deduct	-21.71	
For >750, Deduct	-28.45	
33 11 13 00-0088 LF 14" Stainless Steel Well Screen	215.41	9.89
For >100 To 250, Deduct	-6.54	
For >250 To 400, Deduct	-11.93	
For >400 To 600, Deduct	-17.90	
For >600 To 750, Deduct	-23.86	
For >750, Deduct	-31.33	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0089 LF 16" Stainless Steel Well Screen	232.45	11.69
For >100 To 250, Deduct	-7.11	
For >250 To 400, Deduct	-12.93	
For >400 To 600, Deduct	-19.39	
For >600 To 750, Deduct	-25.85	
For >750, Deduct	-34.01	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen	278.38	13.49
For >100 To 250, Deduct	-8.57	
For >250 To 400, Deduct	-15.53	
For >400 To 600, Deduct	-23.29	
For >600 To 750, Deduct	-31.05	
For >750, Deduct	-40.90	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen	351.23	17.08
For >100 To 250, Deduct	-10.80	
For >250 To 400, Deduct	-19.58	
For >400 To 600, Deduct	-29.37	
For >600 To 750, Deduct	-39.16	
For >750, Deduct	-51.57	
33 11 13 00-0092 LF 24" Stainless Steel Well Screen	455.21	22.48
For >100 To 250, Deduct	-14.03	
For >250 To 400, Deduct	-25.41	
For >400 To 600, Deduct	-38.11	
For >600 To 750, Deduct	-50.81	
For >750, Deduct	-66.95	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen	525.69	26.08
For >100 To 250, Deduct	-16.14	
For >250 To 400, Deduct	-29.28	
For >400 To 600, Deduct	-43.92	
For >600 To 750, Deduct	-58.57	
For >750, Deduct	-77.10	
33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	21.11	
For >100 To 250, Deduct	-0.70	
For >250 To 400, Deduct	-1.23	
For >400 To 600, Deduct	-1.84	
For >600 To 750, Deduct	-2.45	
For >750, Deduct	-3.28	
For Schedule 80, Add	5.72	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.43	
For >100 To 250, Deduct	-0.79	
For >250 To 400, Deduct	-1.40	
For >400 To 600, Deduct	-2.10	
For >600 To 750, Deduct	-2.81	
For >750, Deduct	-3.74	
For Schedule 80, Add	6.87	
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	33.02	
For >100 To 250, Deduct	-1.15	
For >250 To 400, Deduct	-1.98	
For >400 To 600, Deduct	-2.96	
For >600 To 750, Deduct	-3.95	
For >750, Deduct	-5.36	
For Schedule 80, Add	8.01	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	51.21	
For >100 To 250, Deduct	-1.63	
For >250 To 400, Deduct	-2.91	
For >400 To 600, Deduct	-4.37	
For >600 To 750, Deduct	-5.82	
For >750, Deduct	-7.73	
For Schedule 80, Add	14.88	
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	64.37	
For >100 To 250, Deduct	-2.05	
For >250 To 400, Deduct	-3.66	
For >400 To 600, Deduct	-5.49	
For >600 To 750, Deduct	-7.32	
For >750, Deduct	-9.73	
For Schedule 80, Add	18.66	
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	81.20	
For >100 To 250, Deduct	-2.56	
For >250 To 400, Deduct	-4.59	
For >400 To 600, Deduct	-6.88	
For >600 To 750, Deduct	-9.18	
For >750, Deduct	-12.15	
For Schedule 80, Add	24.04	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	86.81	
For >100 To 250, Deduct	-2.87	
For >250 To 400, Deduct	-5.04	
For >400 To 600, Deduct	-7.57	
For >600 To 750, Deduct	-10.09	
For >750, Deduct	-13.52	
For Schedule 80, Add	23.47	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	127.57	
For >100 To 250, Deduct	-4.09	
For >250 To 400, Deduct	-7.28	
For >400 To 600, Deduct	-10.92	
For >600 To 750, Deduct	-14.56	
For >750, Deduct	-19.37	
For Schedule 80, Add	36.63	
33 11 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 11 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 11 13 00-0104 Artificial Gravel Pack <small>(33 11 13 00-0103)</small>		
Note: Excludes casing.		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen	18.31	
For >100 To 250, Deduct	-0.72	
For >250 To 400, Deduct	-1.17	
For >400 To 600, Deduct	-1.76	
For >600 To 750, Deduct	-2.35	
For >750, Deduct	-3.27	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen	27.09	
For >100 To 250, Deduct	-1.08	
For >250 To 400, Deduct	-1.76	
For >400 To 600, Deduct	-2.64	
For >600 To 750, Deduct	-3.52	
For >750, Deduct	-4.93	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen	37.87	
For >100 To 250, Deduct	-1.55	
For >250 To 400, Deduct	-2.50	
For >400 To 600, Deduct	-3.75	
For >600 To 750, Deduct	-5.00	
For >750, Deduct	-7.03	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen	48.47	
For >100 To 250, Deduct	-1.96	
For >250 To 400, Deduct	-3.17	
For >400 To 600, Deduct	-4.76	
For >600 To 750, Deduct	-6.35	
For >750, Deduct	-8.91	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen	59.68	
For >100 To 250, Deduct	-2.39	
For >250 To 400, Deduct	-3.88	
For >400 To 600, Deduct	-5.82	
For >600 To 750, Deduct	-7.76	
For >750, Deduct	-10.87	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen	77.12	
For >100 To 250, Deduct	-3.03	
For >250 To 400, Deduct	-4.96	
For >400 To 600, Deduct	-7.44	
For >600 To 750, Deduct	-9.92	
For >750, Deduct	-13.84	
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen	88.37	
For >100 To 250, Deduct	-3.46	
For >250 To 400, Deduct	-5.67	
For >400 To 600, Deduct	-8.50	
For >600 To 750, Deduct	-11.34	
For >750, Deduct	-15.80	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen	105.08	
For >100 To 250, Deduct	-4.15	
For >250 To 400, Deduct	-6.78	
For >400 To 600, Deduct	-10.17	
For >600 To 750, Deduct	-13.56	
For >750, Deduct	-18.93	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen	118.96	
For >100 To 250, Deduct	-4.73	
For >250 To 400, Deduct	-7.70	
For >400 To 600, Deduct	-11.55	
For >600 To 750, Deduct	-15.40	
For >750, Deduct	-21.52	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen	127.98	
For >100 To 250, Deduct	-5.03	
For >250 To 400, Deduct	-8.23	
For >400 To 600, Deduct	-12.34	
For >600 To 750, Deduct	-16.46	
For >750, Deduct	-22.95	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen	152.82	
For >100 To 250, Deduct	-6.07	
For >250 To 400, Deduct	-9.89	
For >400 To 600, Deduct	-14.84	
For >600 To 750, Deduct	-19.78	
For >750, Deduct	-27.65	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen	177.23	
For >100 To 250, Deduct	-7.18	
For >250 To 400, Deduct	-11.61	
For >400 To 600, Deduct	-17.41	
For >600 To 750, Deduct	-23.21	
For >750, Deduct	-32.58	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 11 13 00-0117	Develop Well <small>(33 11 13 00-0001)</small> Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR Develop Well.....	450.71	
33 11 13 00-0119	Pump Test <small>(33 11 13 00-0001)</small> Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR Pump Test Well.....	398.52	
33 11 13 00-0121	Test Well <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122	VLF 2-1/2" Diameter Test Well.....	105.32	
33 11 13 00-0123	Surface Seal, Concrete Filled <small>(33 11 13)</small>		
33 11 13 00-0124	SF Surface Seal Well, Concrete Filled.....	33.89	
33 11 13 00-0125	Other Water Well <small>(33 11 13)</small>		
33 11 13 00-0126	SF Patch Hole In Well Casing.....	97.28	
33 11 13 00-0127	SF 1/2" Pressure Grout Well.....	2.43	
33 11 13 00-0128	SF 1" Pressure Grout Well.....	3.93	
33 11 13 00-0129	CF Sediment Removal In Well Casing For Existing Well.....	5.63	
33 11 13 00-0130	Sterilization Of Well <small>(33 11 13)</small>		
33 11 13 00-0131	EA Well Sterilization, Chlorine.....	1,626.76	
33 11 13 00-0132	Submersible Well Pumps <small>(33 11 13)</small> Note: Includes pump end, motor and control box.		
33 11 13 00-0133	4" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0134	Powder Coated Case And Cast Iron Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135	EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,439.26	505.68
33 11 13 00-0136	EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,639.56	560.48
33 11 13 00-0137	EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,819.79	622.76
33 11 13 00-0138	Stainless Steel Case And Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139	EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,612.14	498.20
33 11 13 00-0140	EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,837.34	560.48
33 11 13 00-0141	EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,058.98	622.76
33 11 13 00-0142	EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,354.05	685.03
33 11 13 00-0143	EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,659.76	747.30
33 11 13 00-0144	EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,264.09	871.85
33 11 13 00-0145	EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	4,089.85	996.41
33 11 13 00-0146	6" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147	EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,020.88	1,245.50
33 11 13 00-0148	EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,626.38	1,370.06
33 11 13 00-0149	EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	5,254.40	1,494.61
33 11 13 00-0150	EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	6,352.49	1,743.71

33 14 Water Utility Transmission and Distribution (33 10)

33 14 11 Water Utility Transmission Piping (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 Utilities
33 10 Water Utilities
33 14 Water Utility Transmission and Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe.....	48.57	13.47
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.74	
			For Cement Mortar Lining (CML), Add	2.82	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	15.23	
			For Fusion Bonded Epoxy Lining (206N), Add	5.08	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.12	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.43	
			For Class 52, Add	8.83	
			For Class 53, Add	15.88	
			For Class 54, Add	22.63	
			For Class 55, Add	26.05	
			For Class 56, Add	29.40	
33 14 13	13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe.....	52.69	14.34
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.69	
			For Cement Mortar Lining (CML), Add	3.10	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.73	
			For Fusion Bonded Epoxy Lining (206N), Add	5.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.32	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.63	
			For Class 51, Add	4.49	
			For Class 52, Add	9.68	
			For Class 53, Add	17.42	
			For Class 54, Add	24.83	
			For Class 55, Add	28.57	
			For Class 56, Add	32.25	
33 14 13	13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe.....	56.37	15.04
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.54	
			For Cement Mortar Lining (CML), Add	3.36	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	18.16	
			For Fusion Bonded Epoxy Lining (206N), Add	6.05	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.52	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.82	
			For Class 51, Add	4.87	
			For Class 52, Add	10.49	
			For Class 53, Add	18.88	
			For Class 54, Add	26.91	
			For Class 55, Add	30.97	
			For Class 56, Add	34.95	
33 14 13	13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe.....	66.71	15.63
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.11	
			For Cement Mortar Lining (CML), Add	4.30	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	23.23	
			For Fusion Bonded Epoxy Lining (206N), Add	7.74	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.23	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.34	
			For Class 51, Add	6.16	
			For Class 52, Add	13.29	
			For Class 53, Add	23.94	
			For Class 54, Add	34.16	
			For Class 55, Add	39.27	
			For Class 56, Add	44.30	
33 14 13	13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe.....	89.66	22.25
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.58	
			For Cement Mortar Lining (CML), Add	5.60	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	27.98	
			For Fusion Bonded Epoxy Lining (206N), Add	10.07	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.20	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.48	
			For Class 51, Add	8.05	
			For Class 52, Add	17.36	
			For Class 53, Add	31.25	
			For Class 54, Add	44.57	
			For Class 55, Add	51.27	
			For Class 56, Add	57.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	108.92	24.71
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	35.74	
For Cement Mortar Lining (CML), Add	7.15	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	28.59	
For Fusion Bonded Epoxy Lining (206N), Add	12.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.36	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.45	
For Class 51, Add	10.21	
For Class 52, Add	22.03	
For Class 53, Add	39.71	
For Class 54, Add	56.65	
For Class 55, Add	65.14	
For Class 56, Add	73.47	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	130.77	27.75
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	39.00	
For Cement Mortar Lining (CML), Add	8.86	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	30.14	
For Fusion Bonded Epoxy Lining (206N), Add	15.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.65	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.54	
For Class 51, Add	12.61	
For Class 52, Add	27.21	
For Class 53, Add	49.08	
For Class 54, Add	70.04	
For Class 55, Add	80.50	
For Class 56, Add	90.78	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	147.51	31.79
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.74	
For Cement Mortar Lining (CML), Add	9.94	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	30.80	
For Fusion Bonded Epoxy Lining (206N), Add	17.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.45	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.38	
For Class 51, Add	14.15	
For Class 52, Add	30.53	
For Class 53, Add	55.06	
For Class 54, Add	78.56	
For Class 55, Add	90.31	
For Class 56, Add	101.84	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	183.61	37.07
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	52.25	
For Cement Mortar Lining (CML), Add	12.74	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	39.51	
For Fusion Bonded Epoxy Lining (206N), Add	22.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.56	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.18	
For Class 51, Add	18.07	
For Class 52, Add	39.01	
For Class 53, Add	70.40	
For Class 54, Add	100.48	
For Class 55, Add	115.47	
For Class 56, Add	130.19	
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	207.75	44.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	53.33	
For Cement Mortar Lining (CML), Add	14.04	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	39.30	
For Fusion Bonded Epoxy Lining (206N), Add	25.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.53	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.39	
For Class 51, Add	19.97	
For Class 52, Add	43.10	
For Class 53, Add	77.74	
For Class 54, Add	110.93	
For Class 55, Add	127.51	
For Class 56, Add	143.79	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe.....	272.61	55.60
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	58.39	
			For Cement Mortar Lining (CML), Add	18.84	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	39.56	
			For Fusion Bonded Epoxy Lining (206N), Add	33.90	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.13	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-13.63	
			For Class 51, Add	26.73	
			For Class 52, Add	57.69	
			For Class 53, Add	104.10	
			For Class 54, Add	148.57	
			For Class 55, Add	170.74	
			For Class 56, Add	192.51	
33 14 13	13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe.....	355.49	59.87
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	82.34	
			For Cement Mortar Lining (CML), Add	26.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	47.81	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.92	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-17.77	
			For Class 51, Add	37.33	
			For Class 52, Add	80.63	
			For Class 53, Add	145.72	
			For Class 54, Add	208.06	
			For Class 55, Add	238.96	
			For Class 56, Add	269.31	
33 14 13	13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe.....	427.62	63.58
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	102.96	
			For Cement Mortar Lining (CML), Add	33.21	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	59.79	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.91	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-21.38	
			For Class 51, Add	46.46	
			For Class 52, Add	100.40	
			For Class 53, Add	181.57	
			For Class 54, Add	259.33	
			For Class 55, Add	297.75	
			For Class 56, Add	335.48	
33 14 13	13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe.....	528.96	67.29
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	132.64	
			For Cement Mortar Lining (CML), Add	42.79	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	77.01	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.09	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-26.45	
			For Class 51, Add	59.58	
			For Class 52, Add	128.79	
			For Class 53, Add	233.08	
			For Class 54, Add	332.97	
			For Class 55, Add	382.19	
			For Class 56, Add	430.52	
33 14 13	13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe.....	652.07	71.11
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	169.06	
			For Cement Mortar Lining (CML), Add	54.54	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	98.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.90	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-32.60	
			For Class 51, Add	75.67	
			For Class 52, Add	163.60	
			For Class 53, Add	296.26	
			For Class 54, Add	423.29	
			For Class 55, Add	485.76	
			For Class 56, Add	547.08	
33 14 13	13-0019		Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		
33 14 13	13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	185.82	42.52
			For Cement Mortar Lining (CML), Add	12.14	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	21.85	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.10	
			Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow	209.08	50.81
For Cement Mortar Lining (CML), Add	13.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	23.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow	329.70	75.09
For Cement Mortar Lining (CML), Add	21.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow	449.18	89.06
For Cement Mortar Lining (CML), Add	31.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow	649.23	98.63
For Cement Mortar Lining (CML), Add	49.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow	848.22	115.70
For Cement Mortar Lining (CML), Add	67.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	121.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,322.98	129.74
For Cement Mortar Lining (CML), Add	112.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	202.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,754.52	148.28
For Cement Mortar Lining (CML), Add	152.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	275.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,156.72	207.59
For Cement Mortar Lining (CML), Add	184.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	331.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow	2,961.93	259.49
For Cement Mortar Lining (CML), Add	256.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	462.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	192.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,358.05	345.53
For Cement Mortar Lining (CML), Add	383.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	690.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	287.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow	6,714.97	370.70
For Cement Mortar Lining (CML), Add	615.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,107.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	461.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow	10,203.05	384.85
For Cement Mortar Lining (CML), Add	962.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,731.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	721.50	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow	17,170.29	444.84
For Cement Mortar Lining (CML), Add	1,649.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,969.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,237.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow	22,713.27	473.25
For Cement Mortar Lining (CML), Add	2,199.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,959.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,649.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow	173.32	42.52
For Cement Mortar Lining (CML), Add	10.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow	185.87	50.81
For Cement Mortar Lining (CML), Add	10.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow	288.64	75.09
For Cement Mortar Lining (CML), Add	17.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow	390.27	89.06
For Cement Mortar Lining (CML), Add	25.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	45.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow	522.49	98.63
For Cement Mortar Lining (CML), Add	37.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow	732.19	115.70
For Cement Mortar Lining (CML), Add	55.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	100.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,073.06	129.74
For Cement Mortar Lining (CML), Add	87.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	157.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,317.16	148.28
For Cement Mortar Lining (CML), Add	109.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,881.82	207.59
For Cement Mortar Lining (CML), Add	156.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	282.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.55	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0045 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,067.58	259.49
For Cement Mortar Lining (CML), Add	167.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	301.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	125.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,067.41	345.53
For Cement Mortar Lining (CML), Add	254.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	457.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow	5,729.58	370.70
For Cement Mortar Lining (CML), Add	516.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	930.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,139.45	384.85
For Cement Mortar Lining (CML), Add	755.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,360.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	566.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow	12,284.42	444.84
For Cement Mortar Lining (CML), Add	1,161.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,089.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	870.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow	15,931.60	473.25
For Cement Mortar Lining (CML), Add	1,521.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,738.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,141.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0052 EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	150.12	42.52
For Cement Mortar Lining (CML), Add	8.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	180.52	50.81
For Cement Mortar Lining (CML), Add	10.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	274.36	75.09
For Cement Mortar Lining (CML), Add	16.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	384.92	89.06
For Cement Mortar Lining (CML), Add	24.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	520.70	98.63
For Cement Mortar Lining (CML), Add	37.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	66.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.85	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0057 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	662.57	115.70
For Cement Mortar Lining (CML), Add	48.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	87.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,083.77	129.74
For Cement Mortar Lining (CML), Add	88.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	159.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,272.54	148.28
For Cement Mortar Lining (CML), Add	104.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	188.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,601.55	207.59
For Cement Mortar Lining (CML), Add	128.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	231.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,142.56	259.49
For Cement Mortar Lining (CML), Add	174.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	314.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	131.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,871.04	345.53
For Cement Mortar Lining (CML), Add	234.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	422.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,892.36	370.70
For Cement Mortar Lining (CML), Add	433.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	779.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	324.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,930.93	384.85
For Cement Mortar Lining (CML), Add	634.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,142.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	476.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,258.31	444.84
For Cement Mortar Lining (CML), Add	958.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,725.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	718.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,196.79	473.25
For Cement Mortar Lining (CML), Add	1,247.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,246.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	935.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	150.12	42.52
For Cement Mortar Lining (CML), Add	8.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.43	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	175.16	50.81
For Cement Mortar Lining (CML), Add	9.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	279.72	75.09
For Cement Mortar Lining (CML), Add	16.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	361.71	89.06
For Cement Mortar Lining (CML), Add	22.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	517.13	98.63
For Cement Mortar Lining (CML), Add	36.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	66.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	632.22	115.70
For Cement Mortar Lining (CML), Add	45.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,208.73	129.74
For Cement Mortar Lining (CML), Add	101.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,333.23	148.28
For Cement Mortar Lining (CML), Add	110.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	199.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,940.72	207.59
For Cement Mortar Lining (CML), Add	162.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	292.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,040.81	259.49
For Cement Mortar Lining (CML), Add	164.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	296.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	123.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,721.09	345.53
For Cement Mortar Lining (CML), Add	219.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	395.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	164.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,970.91	370.70
For Cement Mortar Lining (CML), Add	440.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	793.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	330.69	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,609.61	384.85
For Cement Mortar Lining (CML), Add	602.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,084.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	451.99	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0081 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,820.95	444.84
For Cement Mortar Lining (CML), Add	914.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,646.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	686.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,111.11	473.25
For Cement Mortar Lining (CML), Add	1,239.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,230.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	929.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0084 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	191.17	42.52
For Cement Mortar Lining (CML), Add	12.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	22.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	234.07	50.81
For Cement Mortar Lining (CML), Add	15.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	374.33	75.09
For Cement Mortar Lining (CML), Add	26.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	508.09	89.06
For Cement Mortar Lining (CML), Add	37.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	734.92	98.63
For Cement Mortar Lining (CML), Add	58.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	941.05	115.70
For Cement Mortar Lining (CML), Add	76.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	137.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,621.10	129.74
For Cement Mortar Lining (CML), Add	142.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	256.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,481.06	148.28
For Cement Mortar Lining (CML), Add	225.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	406.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	169.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,877.91	207.59
For Cement Mortar Lining (CML), Add	256.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	461.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	192.26	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0093 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,911.61 351.85 633.32 263.89	259.49
33 14 13 13-0094 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,750.77 422.72 760.89 317.04	345.53
33 14 13 13-0095 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,885.67 832.40 1,498.32 624.30	370.70
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,922.58 1,533.95 2,761.12 1,150.47	384.85
33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	175.11 11.07 19.92 8.30	42.52
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	191.23 11.43 20.57 8.57	50.81
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	308.28 19.46 35.02 14.59	75.09
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	447.40 31.24 56.23 23.43	89.06
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	613.53 46.41 83.54 34.81	98.63
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	835.72 66.05 118.89 49.54	115.70
33 14 13 13-0104 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,433.66 123.71 222.68 92.78	129.74

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0105 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,186.52 196.19 353.13 147.14	148.28
33 14 13 13-0106 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,579.80 226.53 407.76 169.90	207.59
33 14 13 13-0107 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,351.08 295.79 532.43 221.85	259.49
33 14 13 13-0108 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,209.88 368.63 663.53 276.47	345.53
33 14 13 13-0109 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,802.11 724.05 1,303.28 543.03	370.70
33 14 13 13-0110 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,928.60 1,334.56 2,402.20 1,000.92	384.85
33 14 13 13-0111 Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0002)</small>		
33 14 13 13-0112 EA 3" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	303.71 20.71 37.27 15.53	63.79
33 14 13 13-0113 EA 4" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	315.08 20.71 37.27 15.53	71.29
33 14 13 13-0114 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	286.86 17.32 31.17 12.99	75.09
33 14 13 13-0115 EA 6" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	382.52 23.92 43.06 17.94	94.59
33 14 13 13-0116 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	440.18 29.10 52.37 21.82	98.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0117 EA 6" x 6" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	479.38 31.24 56.23 23.43	110.26
33 14 13 13-0118 EA 8" x 4" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	510.32 33.74 60.73 25.30	114.14
33 14 13 13-0119 EA 8" x 6" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	579.86 38.92 70.05 29.19	125.86
33 14 13 13-0120 EA 8" x 8" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	672.04 46.95 84.51 35.21	133.72
33 14 13 13-0121 EA 10" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	703.40 51.77 93.18 38.83	122.57
33 14 13 13-0122 EA 10" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	704.19 50.16 90.29 37.62	133.70
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	801.11 58.73 105.71 44.05	141.12
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	895.88 67.12 120.82 50.34	148.28
33 14 13 13-0125 EA 12" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	841.91 63.37 114.07 47.53	137.40
33 14 13 13-0126 EA 12" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	956.92 73.19 131.74 54.89	148.51
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,177.03 94.08 169.34 70.56	155.94
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,261.07 101.40 182.51 76.05	163.11

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,195.55 93.72 168.69 70.29	170.52
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,276.16 101.40 182.51 76.05	173.06
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,421.28 114.78 206.61 86.09	180.49
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,817.73 153.34 276.02 115.01	187.64
33 14 13 13-0133 EA 14" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,943.21 164.77 296.58 123.58	195.06
33 14 13 13-0134 EA 14" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,874.32 156.02 280.83 117.01	207.37
33 14 13 13-0135 EA 16" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,622.91 130.85 235.53 98.14	207.58
33 14 13 13-0136 EA 16" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,746.72 142.10 255.77 106.57	215.01
33 14 13 13-0137 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,036.05 169.94 305.90 127.46	222.16
33 14 13 13-0138 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,229.37 188.15 338.67 141.11	229.58
33 14 13 13-0139 EA 16" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,685.31 231.89 417.40 173.92	241.86
33 14 13 13-0140 EA 16" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,536.52 214.39 385.91 160.79	259.16



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0141	EA		18" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,255.47 185.30 333.53 138.97	265.67
33 14 13	13-0142	EA		18" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,420.24 200.65 361.16 150.49	273.08
33 14 13	13-0143	EA		18" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,620.31 219.57 395.23 164.68	280.25
33 14 13	13-0144	EA		18" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,818.99 238.31 428.97 178.74	287.66
33 14 13	13-0145	EA		18" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,900.06 244.56 440.21 183.42	299.93
33 14 13	13-0146	EA		18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,095.79 261.52 470.74 196.14	317.19
33 14 13	13-0147	EA		18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,627.13 310.25 558.46 232.69	346.21
33 14 13	13-0148	EA		20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,662.24 208.50 375.30 156.38	380.97
33 14 13	13-0149	EA		20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,719.89 213.14 383.66 159.86	388.38
33 14 13	13-0150	EA		20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,964.60 236.53 425.75 177.40	395.55
33 14 13	13-0151	EA		20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,207.89 259.74 467.52 194.80	402.96
33 14 13	13-0152	EA		20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,246.13 261.70 471.06 196.27	415.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,293.70 263.84 474.91 197.88	432.49
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,144.58 344.53 620.15 258.40	461.53
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,646.40 285.98 514.76 214.48	519.20
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,259.47 250.81 451.46 188.11	495.91
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,302.86 254.02 457.24 190.52	504.04
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,642.16 286.87 516.36 215.15	510.49
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,733.72 294.90 530.82 221.18	517.91
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,205.73 340.24 612.44 255.18	530.18
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,544.29 371.48 668.67 278.61	547.43
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,166.66 429.32 772.78 321.99	576.48
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,727.07 476.63 857.93 357.47	634.13
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,292.90 424.50 764.10 318.38	691.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,675.86 478.95 862.11 359.21	585.02
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,981.26 508.40 915.12 381.30	592.17
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,287.04 537.86 968.14 403.39	599.59
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,723.34 579.63 1,043.33 434.72	611.86
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,195.77 624.26 1,123.66 468.19	814.07
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,389.72 639.25 1,150.65 479.44	658.15
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,685.93 660.14 1,188.25 495.10	715.82
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,074.70 690.31 1,242.55 517.73	773.29
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,132.34 889.88 1,601.79 667.41	814.07
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,935.95 506.08 910.95 379.56	577.59
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,942.02 595.87 1,072.57 446.90	648.97
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,727.61 673.35 1,212.02 505.01	656.13

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0177 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,152.99 714.76 1,286.57 536.07	663.55
33 14 13 13-0178 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,458.99 743.50 1,338.30 557.63	675.82
33 14 13 13-0179 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,768.98 771.89 1,389.39 578.91	693.08
33 14 13 13-0180 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,362.80 826.87 1,488.36 620.15	722.12
33 14 13 13-0181 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,001.75 882.03 1,587.65 661.52	779.76
33 14 13 13-0182 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,067.07 979.85 1,763.73 734.89	837.24
33 14 13 13-0183 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,237.51 1,090.71 1,963.27 818.03	910.12
33 14 13 13-0184 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,294.21 1,291.53 2,324.76 968.65	910.12
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,083.11 1,502.36 2,704.24 1,126.77	699.30
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,405.17 1,532.70 2,758.87 1,149.53	711.57
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,236.08 1,713.18 3,083.72 1,284.89	728.83
33 14 13 13-0188 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,048.34 1,590.01 2,862.01 1,192.50	757.86



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	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0189 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,135.70 1,590.01 2,862.01 1,192.50	815.53
33 14 13 13-0190 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,513.76 1,619.10 2,914.39 1,214.33	872.99
33 14 13 13-0191 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,245.85 1,986.13 3,575.03 1,489.59	913.84
33 14 13 13-0192 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,127.95 2,069.49 3,725.08 1,552.12	945.82
33 14 13 13-0193 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,409.97 2,194.98 3,950.97 1,646.24	963.70
33 14 13 13-0194 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,952.43 1,780.66 3,205.18 1,335.49	756.26
33 14 13 13-0195 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,292.34 1,812.79 3,263.02 1,359.59	768.53
33 14 13 13-0196 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,773.70 1,858.31 3,344.96 1,393.73	785.80
33 14 13 13-0197 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,271.12 1,903.65 3,426.57 1,427.74	814.84
33 14 13 13-0198 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,813.68 1,949.17 3,508.51 1,461.88	872.48
33 14 13 13-0199 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,961.45 1,955.24 3,519.44 1,466.43	929.95
33 14 13 13-0200 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,520.06 2,404.91 4,328.85 1,803.69	970.80

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,103.04 2,758.37 4,965.06 2,068.78	1,002.78
33 14 13 13-0202 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,529.66 2,898.32 5,216.98 2,173.74	1,020.65
33 14 13 13-0203 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,038.73 2,944.91 5,300.84 2,208.68	1,049.19
33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)		
33 14 13 13-0205 EA 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	259.75 15.17 27.31 11.38	71.29
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	397.53 28.38 51.09 21.29	75.04
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	382.52 23.92 43.06 17.94	94.59
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	441.97 29.28 52.70 21.96	98.49
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	595.41 42.84 77.12 32.13	110.21
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	763.80 59.09 106.36 44.32	114.14
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	685.18 49.45 89.01 37.09	125.86
33 14 13 13-0212 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	827.34 62.48 112.46 46.86	133.68



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0213	EA		10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,180.03 99.43 178.98 74.57	122.57
33 14 13	13-0214	EA		10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,248.65 104.61 188.29 78.46	133.70
33 14 13	13-0215	EA		10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,434.83 122.10 219.78 91.58	141.12
33 14 13	13-0216	EA		10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,615.28 139.06 250.31 104.30	148.28
33 14 13	13-0217	EA		12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,505.97 129.78 233.60 97.33	137.40
33 14 13	13-0218	EA		12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,703.10 147.81 266.05 110.86	148.51
33 14 13	13-0219	EA		12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,051.74 181.55 326.78 136.16	155.94
33 14 13	13-0220	EA		12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,110.79 186.37 335.46 139.78	163.11
33 14 13	13-0221	EA		12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,913.17 165.48 297.87 124.11	170.50
33 14 13	13-0222	EA		14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,254.40 199.22 358.59 149.41	173.06
33 14 13	13-0223	EA		14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,579.83 230.64 415.15 172.98	180.49
33 14 13	13-0224	EA		14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,367.21 308.29 554.92 231.22	187.64

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,606.94	195.06
For Cement Mortar Lining (CML), Add	331.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	596.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	248.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,525.56	207.32
For Cement Mortar Lining (CML), Add	321.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	578.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	240.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,317.42	207.58
For Cement Mortar Lining (CML), Add	200.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	360.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,550.02	215.01
For Cement Mortar Lining (CML), Add	222.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	400.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	166.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,005.37	222.16
For Cement Mortar Lining (CML), Add	266.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	480.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	200.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,361.13	229.58
For Cement Mortar Lining (CML), Add	301.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	542.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	226.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,204.45	241.86
For Cement Mortar Lining (CML), Add	383.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	690.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	287.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,055.66	259.11
For Cement Mortar Lining (CML), Add	366.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	659.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	274.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,646.08	265.67
For Cement Mortar Lining (CML), Add	324.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	583.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	243.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	3,925.10	273.08
For Cement Mortar Lining (CML), Add	351.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	632.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	263.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,194.78	280.25
For Cement Mortar Lining (CML), Add	377.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	678.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	282.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,488.07	287.66
For Cement Mortar Lining (CML), Add	405.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	729.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	303.92	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0237 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,538.80	299.93
<i>For Cement Mortar Lining (CML), Add</i>	<i>408.44</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>735.18</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>306.33</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,586.37	317.19
<i>For Cement Mortar Lining (CML), Add</i>	<i>410.58</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>739.04</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>307.93</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,198.37	346.23
<i>For Cement Mortar Lining (CML), Add</i>	<i>367.38</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>661.28</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>275.53</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,329.54	380.97
<i>For Cement Mortar Lining (CML), Add</i>	<i>375.23</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>675.42</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>281.42</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,424.68	388.38
<i>For Cement Mortar Lining (CML), Add</i>	<i>383.62</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>690.52</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>287.72</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,856.83	395.55
<i>For Cement Mortar Lining (CML), Add</i>	<i>425.75</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>766.35</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>319.31</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,285.77	402.96
<i>For Cement Mortar Lining (CML), Add</i>	<i>467.52</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>841.54</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>350.64</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,340.07	415.22
<i>For Cement Mortar Lining (CML), Add</i>	<i>471.09</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>847.97</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>353.32</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,403.71	432.49
<i>For Cement Mortar Lining (CML), Add</i>	<i>474.84</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>854.72</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>356.13</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,258.16	461.53
<i>For Cement Mortar Lining (CML), Add</i>	<i>555.89</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>1,000.59</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>416.91</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	5,934.93	519.18
<i>For Cement Mortar Lining (CML), Add</i>	<i>514.83</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>926.69</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>386.12</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,265.95	495.91
<i>For Cement Mortar Lining (CML), Add</i>	<i>451.46</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	<i>812.62</i>	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	<i>338.59</i>	
<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0249 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,334.32	503.33
For Cement Mortar Lining (CML), Add	457.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	822.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	342.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,936.04	510.49
For Cement Mortar Lining (CML), Add	516.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	929.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,211.46	517.91
For Cement Mortar Lining (CML), Add	542.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	976.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	407.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,165.46	530.18
For Cement Mortar Lining (CML), Add	636.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,145.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	477.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	7,957.44	547.43
For Cement Mortar Lining (CML), Add	712.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,283.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	534.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	8,901.13	576.48
For Cement Mortar Lining (CML), Add	802.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,444.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	602.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	9,779.29	634.13
For Cement Mortar Lining (CML), Add	881.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,587.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	661.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	8,688.19	691.60
For Cement Mortar Lining (CML), Add	764.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,375.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	573.02	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	10,834.31	577.59
For Cement Mortar Lining (CML), Add	995.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,792.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	746.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,141.56	585.02
For Cement Mortar Lining (CML), Add	1,125.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,025.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	844.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	12,845.05	592.17
For Cement Mortar Lining (CML), Add	1,194.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,150.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	896.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	13,548.90	599.59
For Cement Mortar Lining (CML), Add	1,264.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,275.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	948.03	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	14,547.53	611.86
For Cement Mortar Lining (CML), Add	1,362.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,451.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,021.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	15,623.33	629.12
For Cement Mortar Lining (CML), Add	1,467.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,640.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,100.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	16,018.99	658.15
For Cement Mortar Lining (CML), Add	1,502.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,703.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,126.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	16,597.25	715.82
For Cement Mortar Lining (CML), Add	1,551.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,792.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,163.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	17,393.03	773.29
For Cement Mortar Lining (CML), Add	1,622.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,919.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,216.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	18,849.08	814.13
For Cement Mortar Lining (CML), Add	1,761.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,170.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,321.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	20,661.33	663.55
For Cement Mortar Lining (CML), Add	1,965.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,538.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,474.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	21,470.73	675.82
For Cement Mortar Lining (CML), Add	2,044.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,680.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,533.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	22,276.98	693.08
For Cement Mortar Lining (CML), Add	2,122.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,820.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,592.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	23,832.98	722.12
For Cement Mortar Lining (CML), Add	2,273.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,092.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,705.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	25,437.68	779.76
For Cement Mortar Lining (CML), Add	2,425.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,366.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,819.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	28,214.94	837.24
For Cement Mortar Lining (CML), Add	2,694.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,850.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,020.98	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0273 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	31,602.49	878.08
For Cement Mortar Lining (CML), Add	3,027.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,448.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,270.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	37,704.29	910.07
For Cement Mortar Lining (CML), Add	3,632.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,538.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,724.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	33,178.58	815.53
For Cement Mortar Lining (CML), Add	3,194.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,749.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,395.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	34,010.05	872.99
For Cement Mortar Lining (CML), Add	3,268.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,883.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,451.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	36,328.32	913.84
For Cement Mortar Lining (CML), Add	3,494.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,289.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,620.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	41,535.77	945.82
For Cement Mortar Lining (CML), Add	4,010.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	7,218.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,007.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	48,978.24	963.69
For Cement Mortar Lining (CML), Add	4,751.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	8,553.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,563.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	32,736.49	872.48
For Cement Mortar Lining (CML), Add	3,141.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5,654.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,356.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	37,072.16	929.95
For Cement Mortar Lining (CML), Add	3,566.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,419.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,674.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	39,510.04	970.80
For Cement Mortar Lining (CML), Add	3,803.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	6,847.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,852.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	45,029.88	1,002.78
For Cement Mortar Lining (CML), Add	4,351.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	7,831.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,263.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	58,855.94	1,020.65
For Cement Mortar Lining (CML), Add	5,730.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10,315.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,298.21	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	64,611.48	1,049.14
For Cement Mortar Lining (CML), Add	6,302.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	11,343.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,726.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286 Mechanical Joint Ductile Iron Cross <small>(33 14 13 13-0002)</small>		
33 14 13 13-0287 EA 3" x 3" Mechanical Joint Ductile Iron Cross	359.14	85.05
For Cement Mortar Lining (CML), Add	23.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288 EA 4" x 3" Mechanical Joint Ductile Iron Cross	434.77	92.55
For Cement Mortar Lining (CML), Add	29.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289 EA 4" x 4" Mechanical Joint Ductile Iron Cross	515.22	93.80
For Cement Mortar Lining (CML), Add	37.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290 EA 6" x 3" Mechanical Joint Ductile Iron Cross	614.90	115.95
For Cement Mortar Lining (CML), Add	43.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	79.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291 EA 6" x 4" Mechanical Joint Ductile Iron Cross	596.51	125.07
For Cement Mortar Lining (CML), Add	40.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	73.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292 EA 6" x 6" Mechanical Joint Ductile Iron Cross	693.87	156.34
For Cement Mortar Lining (CML), Add	45.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293 EA 8" x 4" Mechanical Joint Ductile Iron Cross	612.50	136.81
For Cement Mortar Lining (CML), Add	40.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294 EA 8" x 6" Mechanical Joint Ductile Iron Cross	727.71	168.07
For Cement Mortar Lining (CML), Add	47.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	85.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295 EA 8" x 8" Mechanical Joint Ductile Iron Cross	770.49	179.78
For Cement Mortar Lining (CML), Add	49.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296 EA 10" x 4" Mechanical Joint Ductile Iron Cross	745.60	143.36
For Cement Mortar Lining (CML), Add	52.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	95.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.63	
Note: ANSI/AWWA C151/A21.51		

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0297 EA 10" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	854.80 59.27 106.68 44.45	173.01
33 14 13 13-0298 EA 10" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,014.47 73.55 132.38 55.16	184.14
33 14 13 13-0299 EA 10" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,097.56 79.80 143.63 59.85	197.71
33 14 13 13-0300 EA 12" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	903.53 66.76 120.17 50.07	155.69
33 14 13 13-0301 EA 12" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,050.23 76.94 138.49 57.70	185.35
33 14 13 13-0302 EA 12" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,511.57 121.39 218.50 91.04	196.48
33 14 13 13-0303 EA 12" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,532.19 121.39 218.50 91.04	210.08
33 14 13 13-0304 EA 12" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,738.31 140.13 252.24 105.10	222.42
33 14 13 13-0305 EA 14" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,779.84 147.09 264.77 110.32	203.87
33 14 13 13-0306 EA 14" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,093.03 176.73 318.11 132.55	215.01
33 14 13 13-0307 EA 14" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,149.35 180.30 324.53 135.22	228.60
33 14 13 13-0308 EA 14" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,268.01 190.29 342.53 142.72	240.95



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33	14	13	13-0309	EA 14" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,508.51 211.54 380.77 158.65	259.49
33	14	13	13-0310	EA 16" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,035.14 168.69 303.65 126.52	229.81
33	14	13	13-0311	EA 16" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,314.41 194.94 350.88 146.20	240.95
33	14	13	13-0312	EA 16" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,768.06 238.24 428.83 178.68	254.53
33	14	13	13-0313	EA 16" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,083.83 267.95 482.30 200.96	266.87
33	14	13	13-0314	EA 16" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,722.41 329.00 592.20 246.75	285.40
33	14	13	13-0315	EA 16" x 16" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,356.14 388.44 699.20 291.33	311.39
33	14	13	13-0316	EA 18" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,358.95 294.72 530.50 221.04	271.74
33	14	13	13-0317	EA 18" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,550.77 312.22 561.99 234.16	282.88
33	14	13	13-0318	EA 18" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,717.75 326.86 588.34 245.14	296.47
33	14	13	13-0319	EA 18" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,029.20 356.13 641.04 267.10	308.82
33	14	13	13-0320	EA 18" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,698.12 420.22 756.39 315.16	327.34

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0321 EA 18" x 16" Mechanical Joint Ductile Iron Cross	5,001.63	353.26
For Cement Mortar Lining (CML), Add	446.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	803.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	334.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322 EA 18" x 18" Mechanical Joint Ductile Iron Cross	5,240.10	395.18
For Cement Mortar Lining (CML), Add	464.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	835.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	348.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323 EA 20" x 6" Mechanical Joint Ductile Iron Cross	4,222.51	340.95
For Cement Mortar Lining (CML), Add	370.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	667.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	277.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324 EA 20" x 8" Mechanical Joint Ductile Iron Cross	4,416.11	352.09
For Cement Mortar Lining (CML), Add	388.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	698.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325 EA 20" x 10" Mechanical Joint Ductile Iron Cross	4,552.73	365.68
For Cement Mortar Lining (CML), Add	399.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	719.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	299.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326 EA 20" x 12" Mechanical Joint Ductile Iron Cross	4,862.41	378.03
For Cement Mortar Lining (CML), Add	428.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	772.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	321.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327 EA 20" x 14" Mechanical Joint Ductile Iron Cross	4,949.38	396.56
For Cement Mortar Lining (CML), Add	434.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	782.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	326.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328 EA 20" x 16" Mechanical Joint Ductile Iron Cross	5,981.21	422.48
For Cement Mortar Lining (CML), Add	534.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	961.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	400.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329 EA 20" x 18" Mechanical Joint Ductile Iron Cross	6,219.68	464.42
For Cement Mortar Lining (CML), Add	551.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	992.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	413.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330 EA 20" x 20" Mechanical Joint Ductile Iron Cross	6,733.35	533.58
For Cement Mortar Lining (CML), Add	592.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,066.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	444.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331 EA 24" x 6" Mechanical Joint Ductile Iron Cross	5,753.47	426.51
For Cement Mortar Lining (CML), Add	510.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	919.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	383.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332 EA 24" x 8" Mechanical Joint Ductile Iron Cross	5,888.48	437.64
For Cement Mortar Lining (CML), Add	522.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	940.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	391.88	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0333 EA 24" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,112.25 542.86 977.14 407.14	451.24
33 14 13 13-0334 EA 24" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,305.89 560.35 1,008.63 420.26	463.58
33 14 13 13-0335 EA 24" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,421.43 569.10 1,024.37 426.82	482.10
33 14 13 13-0336 EA 24" x 16" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,666.01 589.63 1,061.33 442.22	508.04
33 14 13 13-0337 EA 24" x 18" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,802.07 796.88 1,434.38 597.66	549.97
33 14 13 13-0338 EA 24" x 20" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,285.39 834.72 1,502.50 626.04	619.18
33 14 13 13-0339 EA 24" x 24" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,232.61 916.48 1,649.67 687.36	704.77
33 14 13 13-0340 EA 30" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,982.68 1,012.34 1,822.22 759.26	567.11
33 14 13 13-0341 EA 30" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,201.43 1,032.16 1,857.88 774.12	580.71
33 14 13 13-0342 EA 30" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,416.50 1,051.79 1,893.23 788.84	593.05
33 14 13 13-0343 EA 30" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,671.27 1,074.46 1,934.04 805.85	611.59
33 14 13 13-0344 EA 30" x 16" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,964.05 1,099.81 1,979.66 824.86	637.51

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0345 EA 30" x 18" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,309.63 1,128.02 2,030.43 846.01	679.44
33 14 13 13-0346 EA 30" x 20" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,751.89 1,161.76 2,091.16 871.32	748.67
33 14 13 13-0347 EA 30" x 24" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,382.14 1,511.82 2,721.27 1,133.86	834.21
33 14 13 13-0348 EA 30" x 30" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,838.27 1,737.81 3,128.07 1,303.36	963.70
33 14 13 13-0349 EA 36" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,314.28 1,438.27 2,588.89 1,078.70	614.84
33 14 13 13-0350 EA 36" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,531.25 1,457.91 2,624.23 1,093.43	628.43
33 14 13 13-0351 EA 36" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,717.76 1,474.69 2,654.44 1,106.02	640.78
33 14 13 13-0352 EA 36" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,942.18 1,494.32 2,689.78 1,120.74	659.31
33 14 13 13-0353 EA 36" x 16" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,206.39 1,516.82 2,730.27 1,137.61	685.24
33 14 13 13-0354 EA 36" x 18" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,521.63 1,541.99 2,775.58 1,156.49	727.16
33 14 13 13-0355 EA 36" x 20" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,935.33 1,572.87 2,831.16 1,179.65	796.39
33 14 13 13-0356 EA 36" x 24" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,654.06 1,631.78 2,937.20 1,223.83	881.94



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0357 EA 36" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,766.11 2,223.37 4,002.06 1,667.53	1,011.40
33 14 13 13-0358 EA 36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,109.09 2,450.43 4,410.78 1,837.83	1,059.18
33 14 13 13-0359 EA 42" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,543.69 1,953.10 3,515.58 1,464.83	668.37
33 14 13 13-0360 EA 42" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,223.99 2,218.32 3,992.98 1,663.74	686.90
33 14 13 13-0361 EA 42" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,012.69 1,993.27 3,587.88 1,494.95	712.83
33 14 13 13-0362 EA 42" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,292.23 2,014.87 3,626.76 1,511.15	754.77
33 14 13 13-0363 EA 42" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,691.64 2,044.32 3,679.77 1,533.24	823.98
33 14 13 13-0364 EA 42" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,358.61 2,098.05 3,776.49 1,573.54	909.53
33 14 13 13-0365 EA 42" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,617.03 2,704.28 4,867.70 2,028.21	1,039.01
33 14 13 13-0366 EA 42" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	37,356.10 3,570.95 6,427.72 2,678.22	1,086.73
33 14 13 13-0367 EA 42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	40,025.60 3,833.72 6,900.70 2,875.29	1,114.34
33 14 13 13-0368 EA 48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,766.26 2,658.76 4,785.76 1,994.07	777.92

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0369 EA 48" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,954.99 2,674.82 4,814.68 2,006.12	796.46
33 14 13 13-0370 EA 48" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,208.50 2,696.25 4,853.24 2,022.18	822.39
33 14 13 13-0371 EA 48" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,486.24 2,717.67 4,891.80 2,038.25	864.32
33 14 13 13-0372 EA 48" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,860.68 2,744.62 4,940.32 2,058.47	933.54
33 14 13 13-0373 EA 48" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,499.07 2,795.50 5,031.90 2,096.62	1,019.09
33 14 13 13-0374 EA 48" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,225.08 2,948.48 5,307.27 2,211.36	1,148.56
33 14 13 13-0375 EA 48" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,245.07 3,643.25 6,557.85 2,732.44	1,196.28
33 14 13 13-0376 EA 48" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	49,152.92 4,729.85 8,513.74 3,547.39	1,223.88
33 14 13 13-0377 EA 48" x 48" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	52,350.04 5,032.97 9,059.34 3,774.73	1,333.38
33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0379 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	173.65 10.35 18.64 7.77	46.27
33 14 13 13-0380 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	202.13 11.43 20.57 8.57	58.00



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0381	EA		6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	218.52 12.50 22.49 9.37	61.75
33 14 13	13-0382	EA		8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	276.89 17.14 30.85 12.85	69.58
33 14 13	13-0383	EA		8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	305.26 18.21 32.77 13.66	81.30
33 14 13	13-0384	EA		10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	333.98 22.31 40.17 16.74	73.15
33 14 13	13-0385	EA		10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	363.32 23.56 42.42 17.67	84.27
33 14 13	13-0386	EA		10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	397.76 25.88 46.59 19.41	91.69
33 14 13	13-0387	EA		12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	404.11 28.21 50.77 21.15	80.57
33 14 13	13-0388	EA		12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	449.52 31.06 55.91 23.30	91.69
33 14 13	13-0389	EA		12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	469.69 31.95 57.52 23.97	99.10
33 14 13	13-0390	EA		12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	514.46 35.35 63.62 26.51	106.26
33 14 13	13-0391	EA		14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	846.56 68.91 124.03 51.68	103.95
33 14 13	13-0392	EA		14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	822.09 65.34 117.60 49.00	111.37

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0393 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	736.56	118.54
For Cement Mortar Lining (CML), Add	55.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	100.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	774.56	125.95
For Cement Mortar Lining (CML), Add	58.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	994.10	121.21
For Cement Mortar Lining (CML), Add	81.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	145.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	975.00	128.63
For Cement Mortar Lining (CML), Add	78.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	140.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397 EA 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	957.29	135.79
For Cement Mortar Lining (CML), Add	75.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	135.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398 EA 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,038.14	143.21
For Cement Mortar Lining (CML), Add	82.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	147.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,154.91	155.48
For Cement Mortar Lining (CML), Add	91.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	165.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,240.35	157.67
For Cement Mortar Lining (CML), Add	100.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	180.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,390.44	164.84
For Cement Mortar Lining (CML), Add	114.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	205.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,340.99	172.25
For Cement Mortar Lining (CML), Add	108.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	194.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,422.05	184.52
For Cement Mortar Lining (CML), Add	114.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	205.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.69	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,498.18	201.78
For Cement Mortar Lining (CML), Add	119.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	214.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.43	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0405	EA		20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,750.78 142.45 256.42 106.84	215.33
33 14 13	13-0406	EA		20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,679.50 134.24 241.63 100.68	222.48
33 14 13	13-0407	EA		20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,549.72 120.14 216.25 90.10	229.90
33 14 13	13-0408	EA		20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,559.39 119.25 214.64 89.43	242.17
33 14 13	13-0409	EA		20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,610.52 121.75 219.14 91.31	259.43
33 14 13	13-0410	EA		20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,931.23 149.42 268.95 112.06	288.47
33 14 13	13-0411	EA		24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,275.88 184.05 331.28 138.03	287.37
33 14 13	13-0412	EA		24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,340.87 188.69 339.64 141.52	299.64
33 14 13	13-0413	EA		24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,392.01 191.19 344.13 143.39	316.90
33 14 13	13-0414	EA		24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,352.12 182.80 329.03 137.10	345.94
33 14 13	13-0415	EA		24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,875.04 226.35 407.44 169.76	403.60
33 14 13	13-0416	EA		30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,692.44 415.04 747.07 311.28	357.74

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0417 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,900.68	386.79
For Cement Mortar Lining (CML), Add	431.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	776.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	323.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,748.82	444.43
For Cement Mortar Lining (CML), Add	407.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	733.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,641.32	501.91
For Cement Mortar Lining (CML), Add	388.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	698.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,035.81	476.41
For Cement Mortar Lining (CML), Add	631.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,136.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	473.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,821.54	533.88
For Cement Mortar Lining (CML), Add	501.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	902.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	375.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,322.56	574.72
For Cement Mortar Lining (CML), Add	545.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	981.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	408.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,143.30	407.60
For Cement Mortar Lining (CML), Add	852.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,534.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	639.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,108.76	436.64
For Cement Mortar Lining (CML), Add	844.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,520.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	633.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,167.55	494.29
For Cement Mortar Lining (CML), Add	841.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,515.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	631.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,231.09	551.77
For Cement Mortar Lining (CML), Add	939.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,691.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	704.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,440.02	592.60
For Cement Mortar Lining (CML), Add	754.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,357.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	565.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,834.78	624.58
For Cement Mortar Lining (CML), Add	788.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,419.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	591.63	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0429 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,317.56 1,165.68 2,098.23 874.26	436.08
33 14 13 13-0430 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,943.85 1,123.91 2,023.04 842.93	465.12
33 14 13 13-0431 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,388.55 1,059.65 1,907.36 794.74	522.77
33 14 13 13-0432 EA 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,745.19 1,086.60 1,955.89 814.95	580.25
33 14 13 13-0433 EA 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,033.11 1,309.21 2,356.57 981.91	621.09
33 14 13 13-0434 EA 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,294.65 1,130.52 2,034.93 847.89	653.06
33 14 13 13-0435 EA 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,496.34 1,247.98 2,246.36 935.98	670.94
33 14 13 13-0436 Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0002)</small>		
33 14 13 13-0437 EA 3" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	194.45 4.64 8.35 3.48	97.71
33 14 13 13-0438 EA 4" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	221.91 4.82 8.68 3.62	114.64
33 14 13 13-0439 EA 6" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	302.82 8.57 15.42 6.43	143.31
33 14 13 13-0440 EA 8" Mechanical Joint Ductile Iron Caps <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	390.96 14.28 25.71 10.71	163.80

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0441 EA 10" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	554.74 18.03 32.45 13.52	247.13
33 14 13 13-0442 EA 12" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	678.03 26.96 48.52 20.22	269.60
33 14 13 13-0443 EA 14" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	858.12 40.88 73.58 30.66	296.56
33 14 13 13-0444 EA 16" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,047.29 54.80 98.65 41.10	329.48
33 14 13 13-0445 EA 18" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,231.08 66.94 120.50 50.21	370.70
33 14 13 13-0446 EA 20" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,507.68 86.58 155.84 64.93	423.61
33 14 13 13-0447 EA 24" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,937.78 118.89 214.00 89.17	494.26
33 14 13 13-0448 EA 30" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,617.40 271.87 489.37 203.91	593.11
33 14 13 13-0449 EA 36" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,068.10 494.48 890.06 370.86	741.39
33 14 13 13-0450 EA 42" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,847.28 749.93 1,349.87 562.45	889.67
33 14 13 13-0451 EA 48" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,534.05 903.63 1,626.53 677.72	988.53

33 14 13 13-0452 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0453 EA 3" Mechanical Joint Ductile Iron Plug.....	201.59	97.71
<i>For Cement Mortar Lining (CML), Add</i>	5.36	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	9.64	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	4.02	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0454 EA 4" Mechanical Joint Ductile Iron Plug.....	232.62	114.64
<i>For Cement Mortar Lining (CML), Add</i>	5.89	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	10.60	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	4.42	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0455 EA 6" Mechanical Joint Ductile Iron Plug.....	331.38	143.31
<i>For Cement Mortar Lining (CML), Add</i>	11.43	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	20.57	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	8.57	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0456 EA 8" Mechanical Joint Ductile Iron Plug.....	419.52	163.80
<i>For Cement Mortar Lining (CML), Add</i>	17.14	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	30.85	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	12.85	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0457 EA 10" Mechanical Joint Ductile Iron Plug.....	670.77	247.13
<i>For Cement Mortar Lining (CML), Add</i>	29.63	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	53.34	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	22.22	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0458 EA 12" Mechanical Joint Ductile Iron Plug.....	710.17	269.60
<i>For Cement Mortar Lining (CML), Add</i>	30.17	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	54.30	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	22.63	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0459 EA 14" Mechanical Joint Ductile Iron Plug.....	1,063.41	296.56
<i>For Cement Mortar Lining (CML), Add</i>	61.41	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	110.53	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	46.06	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0460 EA 16" Mechanical Joint Ductile Iron Plug.....	577.81	329.48
<i>For Cement Mortar Lining (CML), Add</i>	7.86	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	14.14	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	5.89	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0461 EA 18" Mechanical Joint Ductile Iron Plug.....	1,536.34	370.70
<i>For Cement Mortar Lining (CML), Add</i>	97.47	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	175.44	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	73.10	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0462 EA 20" Mechanical Joint Ductile Iron Plug.....	1,923.62	423.61
<i>For Cement Mortar Lining (CML), Add</i>	128.17	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	230.71	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	96.13	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0463 EA 24" Mechanical Joint Ductile Iron Plug.....	2,526.87	494.26
<i>For Cement Mortar Lining (CML), Add</i>	177.80	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	320.04	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	133.35	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0464 EA 30" Mechanical Joint Ductile Iron Plug.....	4,427.84	593.11
<i>For Cement Mortar Lining (CML), Add</i>	352.92	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	635.25	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	264.69	
<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0465 EA 36" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,575.08 545.18 981.32 408.88	741.39
33 14 13 13-0466 EA 42" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,911.54 756.36 1,361.44 567.27	889.67
33 14 13 13-0467 EA 48" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,580.13 1,008.24 1,814.82 756.18	988.53
33 14 13 13-0468 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0002)</small>		
33 14 13 13-0469 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	341.06 11.60 20.89 8.70	148.52
33 14 13 13-0470 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	385.52 12.50 22.49 9.37	171.97
33 14 13 13-0471 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	498.86 17.32 31.17 12.99	214.96
33 14 13 13-0472 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	634.64 26.24 47.23 19.68	245.64
33 14 13 13-0473 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,018.65 45.70 82.26 34.27	370.70
33 14 13 13-0474 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,198.24 58.55 105.39 43.91	404.40
33 14 13 13-0475 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,604.05 93.01 167.41 69.75	444.84
33 14 13 13-0476 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,811.04 106.22 191.19 79.66	494.26



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0477 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,466.96 162.45 292.40 121.83	556.05
33 14 13 13-0478 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,897.92 193.51 348.31 145.13	635.46
33 14 13 13-0479 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,506.46 238.31 428.97 178.74	741.39
33 14 13 13-0480 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,734.03 438.60 789.49 328.95	889.67
33 14 13 13-0481 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,970.39 628.54 1,131.37 471.41	1,112.09
33 14 13 13-0482 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,688.85 876.32 1,577.37 657.24	1,270.93
33 14 13 13-0483 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,221.57 1,097.49 1,975.49 823.12	1,482.78
33 14 13 13-0484 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0485 EA 3" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	323.21 9.82 17.67 7.36	148.52
33 14 13 13-0486 EA 4" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	376.59 11.60 20.89 8.70	171.97
33 14 13 13-0487 EA 6" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	520.28 19.46 35.02 14.59	214.96
33 14 13 13-0488 EA 8" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	691.77 31.95 57.52 23.97	245.64

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0489 EA 10" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	941.89 38.02 68.44 28.52	370.70
33 14 13 13-0490 EA 12" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,126.83 51.41 92.54 38.56	404.40
33 14 13 13-0491 EA 14" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,450.53 77.65 139.78 58.24	444.84
33 14 13 13-0492 EA 16" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,732.49 98.36 177.05 73.77	494.26
33 14 13 13-0493 EA 18" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,101.01 125.85 226.53 94.39	556.05
33 14 13 13-0494 EA 20" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,481.99 151.91 273.45 113.94	635.46
33 14 13 13-0495 EA 24" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,124.44 200.11 360.20 150.08	741.39
33 14 13 13-0496 EA 30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,539.45 419.15 754.46 314.36	889.67
33 14 13 13-0497 EA 36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,570.52 588.55 1,059.40 441.42	1,112.09
33 14 13 13-0498 EA 42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,795.88 787.24 1,417.03 590.43	1,269.47
33 14 13 13-0499 EA 48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,305.47 1,105.88 1,990.59 829.41	1,482.78
33 14 13 13-0500 Mechanical Joint Ductile Iron Gland Packs (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0501 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0500) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0502 EA 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	35.70	
33 14 13 13-0503 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	40.26	
Note: Includes four (4) 3/4" diameter plain finish Bolts with nut.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0504 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	48.65	
33 14 13 13-0505 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	57.04	
33 14 13 13-0506 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	78.85	
33 14 13 13-0507 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	83.88	
33 14 13 13-0508 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	137.56	
33 14 13 13-0509 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	145.95	
33 14 13 13-0510 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	194.60	
33 14 13 13-0511 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	251.64	
33 14 13 13-0512 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	350.62	
33 14 13 13-0513 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	837.12	
33 14 13 13-0514 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,805.10	
33 14 13 13-0515 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,635.51	
33 14 13 13-0516 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	3,234.41	
33 14 13 13-0517 EA 54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish Boltss with nut.	4,344.98	
33 14 13 13-0518 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0519 EA 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	60.69	
33 14 13 13-0520 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	57.04	
33 14 13 13-0521 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	72.14	
33 14 13 13-0522 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	78.85	
33 14 13 13-0523 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	109.04	
33 14 13 13-0524 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	114.08	
33 14 13 13-0525 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	172.79	
33 14 13 13-0526 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	189.57	
33 14 13 13-0527 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	251.64	
33 14 13 13-0528 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	325.45	
33 14 13 13-0529 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	454.63	
33 14 13 13-0530 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0531 EA 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	39.27	
33 14 13 13-0532 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	43.62	
33 14 13 13-0533 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	52.01	
33 14 13 13-0534 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	62.07	
33 14 13 13-0535 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	85.56	
33 14 13 13-0536 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	90.59	
33 14 13 13-0537 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	149.31	
33 14 13 13-0538 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	157.69	
33 14 13 13-0539 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	213.06	
33 14 13 13-0540 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	273.45	
33 14 13 13-0541 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	382.49	
33 14 13 13-0542 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	915.97	
33 14 13 13-0543 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	2,029.90	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0544 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Bolts with nut.	2,939.16	
33 14 13 13-0545 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Bolts with nut.	3,616.91	
33 14 13 13-0546 EA 54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish Bolts with nut.	4,438.93	
33 14 13 13-0547 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0548 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	204.88	74.50
33 14 13 13-0549 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	233.64	88.23
33 14 13 13-0550 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	289.84	109.20
33 14 13 13-0551 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	361.87	127.44
33 14 13 13-0552 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	522.11	185.35
33 14 13 13-0553 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	644.38	211.86
33 14 13 13-0554 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	751.15	228.04
33 14 13 13-0555 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	927.10	247.13
33 14 13 13-0556 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,190.49	296.56
33 14 13 13-0557 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,406.01	329.35
33 14 13 13-0558 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,827.92	380.02
33 14 13 13-0559 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,560.60	455.73
33 14 13 13-0560 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	4,396.66	570.31
33 14 13 13-0561 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	6,496.55	658.04
33 14 13 13-0562 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	8,319.41	846.31
33 14 13 13-0563 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) (33 14 13 13-0002)		
33 14 13 13-0564 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,427.90	60.97
33 14 13 13-0565 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,609.97	76.21
33 14 13 13-0566 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,689.34	112.63
33 14 13 13-0567 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,091.54	133.59
33 14 13 13-0568 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	11,460.69	147.94
33 14 13 13-0569 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	15,287.36	173.55
33 14 13 13-0570 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	18,833.18	194.61
33 14 13 13-0571 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,280.95	222.42
33 14 13 13-0572 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	25,116.65	311.39
33 14 13 13-0573 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	33,791.29	389.23
33 14 13 13-0574 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	46,822.86	518.98
33 14 13 13-0575 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) (33 14 13 13-0002) Note: Includes machined bolts and gasket.		
33 14 13 13-0576 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	203.40	74.50
33 14 13 13-0577 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	261.19	88.23
33 14 13 13-0578 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	337.62	109.20
33 14 13 13-0579 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	385.29	127.44
33 14 13 13-0580 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	677.08	195.42
33 14 13 13-0581 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	766.26	223.37
33 14 13 13-0582 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002) Note: Includes nuts, bolts and gasket.		
33 14 13 13-0583 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	296.99	74.50
33 14 13 13-0584 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	369.47	88.23
33 14 13 13-0585 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	511.71	109.20
33 14 13 13-0586 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	740.30	127.44
33 14 13 13-0587 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	1,072.34	195.42
33 14 13 13-0588 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....	1,333.57	223.37
33 14 13 13-0589 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....	2,056.28	240.42
33 14 13 13-0590 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....	2,882.92	260.56
33 14 13 13-0591 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....	3,260.51	312.67
33 14 13 13-0592 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....	3,601.65	347.25
33 14 13 13-0593 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....	4,357.40	400.67
33 14 13 13-0594 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....	5,606.57	480.49
33 14 13 13-0595 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....	8,375.81	601.30
33 14 13 13-0596 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....	21,860.20	693.80
33 14 13 13-0597 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....	27,999.74	892.30
33 14 13 13-0598 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 14 13 13-0001) Note: See CSI section 33 14 13 13-0500 for bolts and gaskets.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0599	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0598)</small>	
33 14 13 13-0600	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	444.66 42.52
33 14 13 13-0601	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	532.20 50.93
33 14 13 13-0602	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	825.96 74.61
33 14 13 13-0603	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,129.31 88.82
33 14 13 13-0604	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,548.93 98.85
33 14 13 13-0605	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,963.92 115.70
33 14 13 13-0606	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,792.13 130.30
33 14 13 13-0607	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,387.90 148.28
33 14 13 13-0608	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,093.58 207.81
33 14 13 13-0609	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,102.29 259.49
33 14 13 13-0610	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,214.24 345.99
33 14 13 13-0611	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	11,552.64 370.70
33 14 13 13-0612	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,016.85 385.30
33 14 13 13-0613	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	28,038.10 444.84
33 14 13 13-0614	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	36,678.26 472.92

33 14 13 13-0615	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0598)</small>	
33 14 13 13-0616	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	425.02 42.52
33 14 13 13-0617	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	498.28 50.93
33 14 13 13-0618	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	767.05 74.61
33 14 13 13-0619	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,038.27 88.82
33 14 13 13-0620	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,356.14 98.85
33 14 13 13-0621	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,790.76 115.70
33 14 13 13-0622	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,420.83 130.30
33 14 13 13-0623	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,898.78 148.28
33 14 13 13-0624	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,427.73 207.81
33 14 13 13-0625	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,161.53 259.49
33 14 13 13-0626	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,484.46 345.99
33 14 13 13-0627	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,094.20 370.70
33 14 13 13-0628	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	13,958.94 385.30
33 14 13 13-0629	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	20,744.10 444.84
33 14 13 13-0630	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	26,556.63 472.92

33 14 13 13-0631	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0598)</small>	
33 14 13 13-0632	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	330.41 42.52
33 14 13 13-0633	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	492.92 50.93
33 14 13 13-0634	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	745.63 74.61
33 14 13 13-0635	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,031.13 88.82
33 14 13 13-0636	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,354.36 98.85
33 14 13 13-0637	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,687.23 115.70
33 14 13 13-0638	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,435.11 130.30
33 14 13 13-0639	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,834.52 148.28
33 14 13 13-0640	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,411.66 207.81
33 14 13 13-0641	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,309.69 259.49
33 14 13 13-0642	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,366.64 345.99
33 14 13 13-0643	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,982.07 370.70
33 14 13 13-0644	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,263.08 385.30
33 14 13 13-0645	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	17,550.52 444.84
33 14 13 13-0646	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	22,474.06 472.92

33 14 13 13-0647	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0598)</small>	
33 14 13 13-0648	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	330.41 42.52
33 14 13 13-0649	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	591.10 50.93
33 14 13 13-0650	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	752.77 74.61
33 14 13 13-0651	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	999.00 88.82
33 14 13 13-0652	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,350.79 98.85
33 14 13 13-0653	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,639.03 115.70
33 14 13 13-0654	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,622.55 130.30
33 14 13 13-0655	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,921.99 148.28
33 14 13 13-0656	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,918.64 207.81
33 14 13 13-0657	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,156.17 259.49
33 14 13 13-0658	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,368.43 345.99
33 14 13 13-0659	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,099.89 370.70
33 14 13 13-0660	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	11,925.69 385.30
33 14 13 13-0661	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,068.54 444.84
33 14 13 13-0662	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	22,345.53 472.92

33 14 13 13-0663	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0598)</small>	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0664 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	389.32	42.52
33 14 13 13-0665 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	573.25	50.93
33 14 13 13-0666 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	893.80	74.61
33 14 13 13-0667 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,215.00	88.82
33 14 13 13-0668 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,673.89	98.85
33 14 13 13-0669 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,101.37	115.70
33 14 13 13-0670 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,779.31	130.30
33 14 13 13-0671 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,899.57	148.28
33 14 13 13-0672 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,740.91	207.81
33 14 13 13-0673 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,769.26	259.49
33 14 13 13-0674 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,399.56	345.99
33 14 13 13-0675 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0598)</small>		
33 14 13 13-0676 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	389.32	42.52
33 14 13 13-0677 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	505.41	50.93
33 14 13 13-0678 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	795.62	74.61
33 14 13 13-0679 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,125.74	88.82
33 14 13 13-0680 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,493.60	98.85
33 14 13 13-0681 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,944.28	115.70
33 14 13 13-0682 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,592.20	130.30
33 14 13 13-0683 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,114.78	148.28
33 14 13 13-0684 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	5,830.50	207.81
33 14 13 13-0685 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,116.23	259.49
33 14 13 13-0686 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,368.09	345.99
33 14 13 13-0687 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0598)</small>		
33 14 13 13-0688 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	548.28	63.79
33 14 13 13-0689 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	598.08	71.92
33 14 13 13-0690 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	631.38	74.61
33 14 13 13-0691 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	900.20	94.59
33 14 13 13-0692 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	975.72	98.30
33 14 13 13-0693 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,029.19	110.15
33 14 13 13-0694 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,197.59	113.70
33 14 13 13-0695 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,295.69	125.54
33 14 13 13-0696 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,425.36	133.83
33 14 13 13-0697 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,608.46	122.44
33 14 13 13-0698 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,605.67	133.68
33 14 13 13-0699 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,740.09	141.54
33 14 13 13-0700 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,877.69	148.28
33 14 13 13-0701 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,936.19	137.05
33 14 13 13-0702 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,953.02	148.28
33 14 13 13-0703 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,112.43	156.14
33 14 13 13-0704 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,435.68	162.89
33 14 13 13-0705 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,441.56	170.75
33 14 13 13-0706 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,766.73	172.99
33 14 13 13-0707 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,993.97	180.85
33 14 13 13-0708 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,634.98	187.59
33 14 13 13-0709 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,837.22	195.46
33 14 13 13-0710 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,554.12	207.81
33 14 13 13-0711 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,309.85	207.81
33 14 13 13-0712 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,488.99	214.55
33 14 13 13-0713 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,187.12	222.42
33 14 13 13-0714 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,927.02	229.16
33 14 13 13-0715 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,125.57	241.51
33 14 13 13-0716 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,635.82	259.49
33 14 13 13-0717 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,345.85	266.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0718 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,583.81	272.97
33 14 13 13-0719 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,885.62	279.71
33 14 13 13-0720 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,164.63	287.57
33 14 13 13-0721 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,306.41	299.93
33 14 13 13-0722 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,669.93	316.78
33 14 13 13-0723 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,329.80	345.99
33 14 13 13-0724 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,993.61	380.81
33 14 13 13-0725 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,078.04	388.67
33 14 13 13-0726 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,581.59	395.41
33 14 13 13-0727 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,857.01	403.28
33 14 13 13-0728 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,914.88	415.63
33 14 13 13-0729 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,839.28	432.48
33 14 13 13-0730 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,468.48	461.69
33 14 13 13-0731 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,363.35	518.98
33 14 13 13-0732 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,060.33	495.39
33 14 13 13-0733 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,117.99	504.37
33 14 13 13-0734 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,228.80	509.99
33 14 13 13-0735 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,393.55	517.86
33 14 13 13-0736 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,274.35	530.21
33 14 13 13-0737 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,587.92	547.06
33 14 13 13-0738 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,342.06	576.27
33 14 13 13-0739 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,643.62	634.68
33 14 13 13-0740 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,043.43	691.97
33 14 13 13-0741 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,618.31	577.39
33 14 13 13-0742 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,108.31	585.25
33 14 13 13-0743 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,685.05	591.99
33 14 13 13-0744 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,263.95	599.85
33 14 13 13-0745 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,085.85	612.21
33 14 13 13-0746 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,972.42	614.41
33 14 13 13-0747 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,912.89	658.26
33 14 13 13-0748 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,894.91	715.55
33 14 13 13-0749 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,433.63	772.84
33 14 13 13-0750 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,041.09	814.41
33 14 13 13-0751 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,956.76	649.28
33 14 13 13-0752 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,263.60	656.02
33 14 13 13-0753 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,969.24	663.89
33 14 13 13-0754 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,468.04	676.24
33 14 13 13-0755 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,969.03	693.10
33 14 13 13-0756 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,934.16	722.30
33 14 13 13-0757 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,944.41	779.59
33 14 13 13-0758 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,668.45	836.87
33 14 13 13-0759 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,958.16	909.89
33 14 13 13-0760 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,002.04	909.89
33 14 13 13-0761 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,211.88	699.83
33 14 13 13-0762 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,739.23	711.06
33 14 13 13-0763 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,410.93	729.04
33 14 13 13-0764 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,528.57	758.25
33 14 13 13-0765 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,615.93	815.54
33 14 13 13-0766 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,794.26	872.83
33 14 13 13-0767 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,289.93	914.39
33 14 13 13-0768 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,061.14	945.84
33 14 13 13-0769 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,959.03	963.81
33 14 13 13-0770 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,571.78	756.00
33 14 13 13-0771 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,120.55	768.35
33 14 13 13-0772 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,900.02	786.33
33 14 13 13-0773 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,691.98	814.41
33 14 13 13-0774 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,532.66	872.83
33 14 13 13-0775 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,719.70	930.12
33 14 13 13-0776 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,207.57	970.55
33 14 13 13-0777 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,103.04	1,003.13
33 14 13 13-0778 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,513.38	1,021.10
33 14 13 13-0779 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	48,668.57	1,049.19

33 14 13 13-0780

Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0598)

33 14 13 13-0781 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	614.98	71.29
33 14 13 13-0782 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	677.46	71.29
33 14 13 13-0783 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	795.62	74.61
33 14 13 13-0784 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	876.99	94.59
33 14 13 13-0785 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	979.29	98.30
33 14 13 13-0786 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,198.78	110.15
33 14 13 13-0787 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,577.82	113.70
33 14 13 13-0788 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,452.78	125.54
33 14 13 13-0789 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,634.22	133.83
33 14 13 13-0790 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,320.72	122.44
33 14 13 13-0791 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,416.12	133.68
33 14 13 13-0792 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,704.05	141.54
33 14 13 13-0793 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,952.33	148.28
33 14 13 13-0794 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,834.10	137.05
33 14 13 13-0795 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,215.10	148.28



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13	0796	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,808.30	156.14
33 14 13	13	0797	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,810.22	162.89
33 14 13	13	0798	EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,512.63	170.75
33 14 13	13	0799	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,180.55	172.99
33 14 13	13	0800	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,809.44	180.85
33 14 13	13	0801	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,346.58	187.59
33 14 13	13	0802	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,807.66	195.46
33 14 13	13	0803	EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,629.88	207.81
33 14 13	13	0804	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,347.11	207.81
33 14 13	13	0805	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,804.63	214.55
33 14 13	13	0806	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,709.83	222.42
33 14 13	13	0807	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,890.65	229.16
33 14 13	13	0808	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,305.20	241.51
33 14 13	13	0809	EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,902.92	259.49
33 14 13	13	0810	EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,166.67	266.23
33 14 13	13	0811	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,654.55	272.97
33 14 13	13	0812	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,125.95	279.71
33 14 13	13	0813	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,637.02	287.57
33 14 13	13	0814	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,712.75	299.93
33 14 13	13	0815	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,797.80	316.78
33 14 13	13	0816	EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,054.56	345.99
33 14 13	13	0817	EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,246.43	380.81
33 14 13	13	0818	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,405.83	388.67
33 14 13	13	0819	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,166.44	395.41
33 14 13	13	0820	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,920.27	403.28
33 14 13	13	0821	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,001.35	415.63
33 14 13	13	0822	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,095.34	432.48
33 14 13	13	0823	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,578.15	461.69
33 14 13	13	0824	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,937.17	518.98
33 14 13	13	0825	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,775.49	495.39
33 14 13	13	0826	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,888.50	503.25
33 14 13	13	0827	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,948.99	509.99
33 14 13	13	0828	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,429.70	517.86
33 14 13	13	0829	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,110.24	530.21
33 14 13	13	0830	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,498.46	547.06
33 14 13	13	0831	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,140.13	576.27
33 14 13	13	0832	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,634.15	634.68
33 14 13	13	0833	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,627.29	691.97
33 14 13	13	0834	EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,576.38	577.39
33 14 13	13	0835	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,890.43	585.25
33 14 13	13	0836	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,131.24	591.99
33 14 13	13	0837	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,374.21	599.85
33 14 13	13	0838	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,135.07	612.21
33 14 13	13	0839	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,026.67	629.06
33 14 13	13	0840	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,695.46	658.26
33 14 13	13	0841	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,655.74	715.55
33 14 13	13	0842	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,001.33	772.84
33 14 13	13	0843	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,540.95	814.41
33 14 13	13	0844	EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,940.17	663.89
33 14 13	13	0845	EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,363.66	676.24
33 14 13	13	0846	EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,776.85	693.10
33 14 13	13	0847	EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,507.45	722.30
33 14 13	13	0848	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	44,292.12	779.59
33 14 13	13	0849	EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	49,159.75	836.87
33 14 13	13	0850	EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	55,132.16	878.44
33 14 13	13	0851	EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	65,939.53	909.89
33 14 13	13	0852	EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	58,007.81	815.54
33 14 13	13	0853	EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	59,417.67	872.83
33 14 13	13	0854	EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,488.92	914.39
33 14 13	13	0855	EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,707.54	945.84
33 14 13	13	0856	EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	85,914.16	963.81
33 14 13	13	0857	EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,155.15	872.83
33 14 13	13	0858	EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	64,793.29	930.12
33 14 13	13	0859	EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,076.98	970.55
33 14 13	13	0860	EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	78,850.77	1,003.13
33 14 13	13	0861	EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	103,401.83	1,021.10
33 14 13	13	0862	EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	113,596.95	1,049.19
33 14 13	13	13-0863	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee		
33 14 13	13	13-0864	EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,095.24	110.15
33 14 13	13	13-0865	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,363.52	125.54
33 14 13	13	13-0866	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,962.70	133.68
33 14 13	13	13-0867	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,260.06	148.28
33 14 13	13	13-0868	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,993.44	172.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0869 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,647.34	207.81
33 14 13 13-0870 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,301.22	266.23
33 14 13 13-0871 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	5,777.27	380.81
33 14 13 13-0872 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	6,736.64	495.39
33 14 13 13-0873 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	12,294.54	577.39
33 14 13 13-0874 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 14 13 13-0598)</small>		
33 14 13 13-0875 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	609.06	85.05
33 14 13 13-0876 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	763.24	92.55
33 14 13 13-0877 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	957.93	93.56
33 14 13 13-0878 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,012.98	115.99
33 14 13 13-0879 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,187.38	125.54
33 14 13 13-0880 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,307.95	156.34
33 14 13 13-0881 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,260.50	137.39
33 14 13 13-0882 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,484.60	168.18
33 14 13 13-0883 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,466.69	180.02
33 14 13 13-0884 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,484.64	143.79
33 14 13 13-0885 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,661.67	172.99
33 14 13 13-0886 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,978.43	184.22
33 14 13 13-0887 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,143.64	197.71
33 14 13 13-0888 EA 12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,913.91	156.14
33 14 13 13-0889 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,214.12	185.35
33 14 13 13-0890 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,404.13	196.58
33 14 13 13-0891 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,808.55	210.06
33 14 13 13-0892 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,211.03	222.42
33 14 13 13-0893 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,325.75	203.32
33 14 13 13-0894 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,949.55	214.55
33 14 13 13-0895 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,043.36	229.16
33 14 13 13-0896 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,267.34	240.39
33 14 13 13-0897 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,730.98	259.49
33 14 13 13-0898 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,722.08	230.28
33 14 13 13-0899 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,263.76	240.39
33 14 13 13-0900 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,150.15	255.00
33 14 13 13-0901 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,763.29	267.35
33 14 13 13-0902 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,010.60	285.33
33 14 13 13-0903 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,314.08	311.17
33 14 13 13-0904 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,456.14	271.84
33 14 13 13-0905 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,831.83	283.08
33 14 13 13-0906 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,152.33	296.56
33 14 13 13-0907 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,772.60	308.92
33 14 13 13-0908 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,114.51	326.89
33 14 13 13-0909 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,694.71	352.72
33 14 13 13-0910 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,117.05	395.41
33 14 13 13-0911 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,117.64	341.49
33 14 13 13-0912 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,496.89	351.60
33 14 13 13-0913 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,754.90	366.20
33 14 13 13-0914 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,369.84	378.56
33 14 13 13-0915 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,519.29	396.53
33 14 13 13-0916 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,593.63	422.37
33 14 13 13-0917 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,015.97	463.94
33 14 13 13-0918 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,959.85	533.58
33 14 13 13-0919 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,121.32	426.87
33 14 13 13-0920 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,379.51	438.10
33 14 13 13-0921 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,817.49	451.57
33 14 13 13-0922 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,195.00	463.94
33 14 13 13-0923 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,401.58	481.90
33 14 13 13-0924 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,862.16	507.74
33 14 13 13-0925 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,176.06	550.43
33 14 13 13-0926 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,057.47	618.95
33 14 13 13-0927 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,865.11	704.33
33 14 13 13-0928 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,278.79	567.28
33 14 13 13-0929 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,620.73	580.76
33 14 13 13-0930 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,957.18	593.11
33 14 13 13-0931 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,352.97	611.09
33 14 13 13-0932 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,804.63	638.05
33 14 13 13-0933 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,325.15	679.61
33 14 13 13-0934 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,976.27	748.13
33 14 13 13-0935 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,784.37	834.63
33 14 13 13-0936 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,645.39	963.81
33 14 13 13-0937 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,259.52	614.46
33 14 13 13-0938 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,597.87	627.94
33 14 13 13-0939 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,889.70	640.30
33 14 13 13-0940 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,235.51	659.39
33 14 13 13-0941 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,638.97	685.23

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0942 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,111.29	726.79
33 14 13 13-0943 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,717.79	796.44
33 14 13 13-0944 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,802.47	881.81
33 14 13 13-0945 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,593.65	1,010.99
33 14 13 13-0946 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,348.66	1,059.29
33 14 13 13-0947 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	32,689.64	668.38
33 14 13 13-0948 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	33,369.27	686.35
33 14 13 13-0949 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	33,760.23	713.31
33 14 13 13-0950 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,300.40	754.88
33 14 13 13-0951 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,276.41	824.52
33 14 13 13-0952 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,357.18	909.89
33 14 13 13-0953 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,434.65	1,039.07
33 14 13 13-0954 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	59,564.78	1,086.26
33 14 13 13-0955 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,867.67	1,114.34
33 14 13 13-0956 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,301.82	778.46
33 14 13 13-0957 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,590.52	796.44
33 14 13 13-0958 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,976.13	822.27
33 14 13 13-0959 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,387.75	863.83
33 14 13 13-0960 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,930.00	933.49
33 14 13 13-0961 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,884.35	1,018.86
33 14 13 13-0962 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,561.83	1,148.04
33 14 13 13-0963 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	60,903.60	1,196.34
33 14 13 13-0964 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	78,568.13	1,224.43
33 14 13 13-0965 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	83,650.34	1,333.38
33 14 13 13-0966 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0966)</small>		
33 14 13 13-0967 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	436.06	46.27
33 14 13 13-0968 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	610.92	58.00
33 14 13 13-0969 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	671.94	61.58
33 14 13 13-0970 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	883.83	69.88
33 14 13 13-0971 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	917.56	81.72
33 14 13 13-0972 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,083.73	73.01
33 14 13 13-0973 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,132.70	84.25
33 14 13 13-0974 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,177.86	92.11
33 14 13 13-0975 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,253.83	80.88
33 14 13 13-0976 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,386.71	92.11
33 14 13 13-0977 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,408.66	98.85
33 14 13 13-0978 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,471.29	106.72
33 14 13 13-0979 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,176.47	104.47
33 14 13 13-0980 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,187.71	111.21
33 14 13 13-0981 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,900.46	119.07
33 14 13 13-0982 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,938.46	125.81
33 14 13 13-0983 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,609.64	121.32
33 14 13 13-0984 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,529.84	129.18
33 14 13 13-0985 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,372.89	135.93
33 14 13 13-0986 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,343.06	142.66
33 14 13 13-0987 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,650.84	155.02
33 14 13 13-0988 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,832.68	157.26
33 14 13 13-0989 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,196.98	165.13
33 14 13 13-0990 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,051.13	171.87
33 14 13 13-0991 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,651.66	184.22
33 14 13 13-0992 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,190.47	202.20
33 14 13 13-0993 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,771.53	215.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0994 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,800.22	222.42
33 14 13 13-0995 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,447.30	230.28
33 14 13 13-0996 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,442.69	242.64
33 14 13 13-0997 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,354.58	259.49
33 14 13 13-0998 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,971.62	288.70
33 14 13 13-0999 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,748.27	287.57
33 14 13 13-1000 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,816.83	299.93
33 14 13 13-1001 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,900.11	316.78
33 14 13 13-1002 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,819.16	345.99
33 14 13 13-1003 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,558.08	403.28
33 14 13 13-1004 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,692.90	357.22
33 14 13 13-1005 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,060.00	386.42
33 14 13 13-1006 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,715.36	444.84
33 14 13 13-1007 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,363.63	502.13
33 14 13 13-1008 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,464.69	476.29
33 14 13 13-1009 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,639.58	533.58
33 14 13 13-1010 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,358.38	575.15
33 14 13 13-1011 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,017.47	407.77
33 14 13 13-1012 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,911.52	436.97
33 14 13 13-1013 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,943.53	494.26
33 14 13 13-1014 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,600.06	551.55
33 14 13 13-1015 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,355.91	593.11
33 14 13 13-1016 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,022.00	624.57
33 14 13 13-1017 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,460.95	435.85
33 14 13 13-1018 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,758.77	465.06
33 14 13 13-1019 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,700.07	522.35
33 14 13 13-1020 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,267.35	580.76
33 14 13 13-1021 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	24,301.12	621.20
33 14 13 13-1022 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,993.54	652.65
33 14 13 13-1023 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	23,098.50	670.63
33 14 13 13-1024 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0598)</small>		
33 14 13 13-1025 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	392.60	97.71
33 14 13 13-1026 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	473.61	114.88
33 14 13 13-1027 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	695.54	143.31
33 14 13 13-1028 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	935.42	163.45
33 14 13 13-1029 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,240.22	247.13
33 14 13 13-1030 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,568.81	269.60
33 14 13 13-1031 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,784.60	296.56
33 14 13 13-1032 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,175.49	329.13
33 14 13 13-1033 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,550.28	370.70
33 14 13 13-1034 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,078.59	423.49
33 14 13 13-1035 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,953.18	494.26
33 14 13 13-1036 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,209.06	593.11
33 14 13 13-1037 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	11,844.75	741.39
33 14 13 13-1038 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	17,092.75	889.67
33 14 13 13-1039 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	20,361.13	988.53
33 14 13 13-1040 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0598)</small>		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1041	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	394.39	97.71
33 14 13 13-1042	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	491.46	114.88
33 14 13 13-1043	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	741.96	143.31
33 14 13 13-1044	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	981.83	163.45
33 14 13 13-1045	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,506.21	247.13
33 14 13 13-1046	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,629.50	269.60
33 14 13 13-1047	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,171.97	296.56
33 14 13 13-1048	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,623.55	329.13
33 14 13 13-1049	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,123.31	370.70
33 14 13 13-1050	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,853.33	423.49
33 14 13 13-1051	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,056.38	494.26
33 14 13 13-1052	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,733.55	593.11
33 14 13 13-1053	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	12,792.65	741.39
33 14 13 13-1054	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	17,212.35	889.67
33 14 13 13-1055	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	22,897.79	988.53
33 14 13 13-1056			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0598)</small>		
33 14 13 13-1057	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	533.86	148.52
33 14 13 13-1058	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	708.63	171.73
33 14 13 13-1059	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	977.27	215.56
33 14 13 13-1060	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,288.00	245.16
33 14 13 13-1061	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,896.93	370.70
33 14 13 13-1062	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,269.31	404.40
33 14 13 13-1063	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,976.80	444.84
33 14 13 13-1064	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,380.16	494.26
33 14 13 13-1065	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,444.87	556.05
33 14 13 13-1066	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,156.10	635.81
33 14 13 13-1067	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,244.83	741.39
33 14 13 13-1068	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	9,854.09	889.67
33 14 13 13-1069	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	13,415.00	1,112.09
33 14 13 13-1070	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	18,279.19	1,270.48
33 14 13 13-1071	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	22,729.12	1,482.78
33 14 13 13-1072			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0598)</small>		
33 14 13 13-1073	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	555.28	148.52
33 14 13 13-1074	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	681.85	171.73
33 14 13 13-1075	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,007.62	215.56
33 14 13 13-1076	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,370.11	245.16
33 14 13 13-1077	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,782.68	370.70
33 14 13 13-1078	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,162.20	404.40
33 14 13 13-1079	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,748.31	444.84
33 14 13 13-1080	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,258.77	494.26
33 14 13 13-1081	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,895.06	556.05
33 14 13 13-1082	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,536.66	635.81
33 14 13 13-1083	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	5,677.16	741.39
33 14 13 13-1084	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	9,559.54	889.67
33 14 13 13-1085	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	12,431.40	1,112.09
33 14 13 13-1086	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	16,202.67	1,269.36
33 14 13 13-1087	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	24,112.58	1,482.78
33 14 13 13-1088			Push-On Joint Ductile Iron Piping And Gaskets <small>(33 14 13 13-0001)</small>		
33 14 13 13-1089			Push-On Joint Ductile Iron Pipe <small>(33 14 13 13-1088)</small> Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1090 LF 4", Class 50, Push-On Joint Ductile Iron Pipe.....	35.93	9.77
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.79	
For Cement Mortar Lining (CML), Add	2.11	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	11.41	
For Fusion Bonded Epoxy Lining (206N), Add	3.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.58	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.80	
For Class 51, Add	3.07	
For Class 52, Add	6.61	
For Class 53, Add	11.88	
For Class 54, Add	16.93	
For Class 55, Add	19.49	
For Class 56, Add	22.00	
33 14 13 13-1091 LF 6", Class 50, Push-On Joint Ductile Iron Pipe.....	39.41	10.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.23	
For Cement Mortar Lining (CML), Add	2.32	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	12.52	
For Fusion Bonded Epoxy Lining (206N), Add	4.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.74	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.97	
For Class 51, Add	3.36	
For Class 52, Add	7.25	
For Class 53, Add	13.04	
For Class 54, Add	18.58	
For Class 55, Add	21.39	
For Class 56, Add	24.14	
33 14 13 13-1092 LF 8", Class 50, Push-On Joint Ductile Iron Pipe.....	49.47	11.85
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.19	
For Cement Mortar Lining (CML), Add	3.17	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	17.12	
For Fusion Bonded Epoxy Lining (206N), Add	5.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.38	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.47	
For Class 51, Add	4.54	
For Class 52, Add	9.80	
For Class 53, Add	17.65	
For Class 54, Add	25.18	
For Class 55, Add	28.96	
For Class 56, Add	32.67	
33 14 13 13-1093 LF 10", Class 50, Push-On Joint Ductile Iron Pipe.....	69.99	16.73
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.83	
For Cement Mortar Lining (CML), Add	4.47	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	22.36	
For Fusion Bonded Epoxy Lining (206N), Add	8.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.35	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.50	
For Class 51, Add	6.41	
For Class 52, Add	13.83	
For Class 53, Add	24.91	
For Class 54, Add	35.54	
For Class 55, Add	40.87	
For Class 56, Add	46.10	
33 14 13 13-1094 LF 12", Class 50, Push-On Joint Ductile Iron Pipe.....	81.39	18.53
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.66	
For Cement Mortar Lining (CML), Add	5.33	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	21.32	
For Fusion Bonded Epoxy Lining (206N), Add	9.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.00	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.07	
For Class 51, Add	7.62	
For Class 52, Add	16.43	
For Class 53, Add	29.62	
For Class 54, Add	42.26	
For Class 55, Add	48.59	
For Class 56, Add	54.80	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-1095	LF	14", Class 50, Push-On Joint Ductile Iron Pipe.....	99.52	20.89
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.90	
			For Cement Mortar Lining (CML), Add	6.80	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	23.11	
			For Fusion Bonded Epoxy Lining (206N), Add	12.23	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.10	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.98	
			For Class 51, Add	9.66	
			For Class 52, Add	20.84	
			For Class 53, Add	37.60	
			For Class 54, Add	53.66	
			For Class 55, Add	61.68	
			For Class 56, Add	69.55	
33 14 13	13-1096	LF	16", Class 50, Push-On Joint Ductile Iron Pipe.....	118.11	23.81
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.64	
			For Cement Mortar Lining (CML), Add	8.21	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	25.44	
			For Fusion Bonded Epoxy Lining (206N), Add	14.77	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.15	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.91	
			For Class 51, Add	11.63	
			For Class 52, Add	25.11	
			For Class 53, Add	45.32	
			For Class 54, Add	64.69	
			For Class 55, Add	74.33	
			For Class 56, Add	83.81	
33 14 13	13-1097	LF	18", Class 50, Push-On Joint Ductile Iron Pipe.....	137.42	27.86
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	39.07	
			For Cement Mortar Lining (CML), Add	9.53	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	29.54	
			For Fusion Bonded Epoxy Lining (206N), Add	17.15	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.15	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-6.87	
			For Class 51, Add	13.51	
			For Class 52, Add	29.17	
			For Class 53, Add	52.65	
			For Class 54, Add	75.14	
			For Class 55, Add	86.35	
			For Class 56, Add	97.35	
33 14 13	13-1098	LF	20", Class 50, Push-On Joint Ductile Iron Pipe.....	158.34	33.36
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.96	
			For Cement Mortar Lining (CML), Add	10.78	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	30.18	
			For Fusion Bonded Epoxy Lining (206N), Add	19.40	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.08	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-7.92	
			For Class 51, Add	15.32	
			For Class 52, Add	33.07	
			For Class 53, Add	59.66	
			For Class 54, Add	85.14	
			For Class 55, Add	97.85	
			For Class 56, Add	110.34	
33 14 13	13-1099	LF	24", Class 50, Push-On Joint Ductile Iron Pipe.....	200.38	41.68
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.51	
			For Cement Mortar Lining (CML), Add	13.71	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	28.80	
			For Fusion Bonded Epoxy Lining (206N), Add	24.69	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.29	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-10.02	
			For Class 51, Add	19.48	
			For Class 52, Add	42.05	
			For Class 53, Add	75.86	
			For Class 54, Add	108.27	
			For Class 55, Add	124.43	
			For Class 56, Add	140.31	



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Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1100 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	238.09	44.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	52.91	
For Cement Mortar Lining (CML), Add	17.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.80	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.90	
For Class 51, Add	24.11	
For Class 52, Add	52.06	
For Class 53, Add	94.00	
For Class 54, Add	134.19	
For Class 55, Add	154.16	
For Class 56, Add	173.78	
33 14 13 13-1101 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	296.38	47.29
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	69.66	
For Cement Mortar Lining (CML), Add	22.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.85	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-14.82	
For Class 51, Add	31.52	
For Class 52, Add	68.10	
For Class 53, Add	123.11	
For Class 54, Add	175.80	
For Class 55, Add	201.89	
For Class 56, Add	227.50	
33 14 13 13-1102 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	362.36	50.10
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	88.83	
For Cement Mortar Lining (CML), Add	28.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	51.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.49	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-18.12	
For Class 51, Add	40.00	
For Class 52, Add	86.45	
For Class 53, Add	156.40	
For Class 54, Add	223.40	
For Class 55, Add	256.46	
For Class 56, Add	288.93	
33 14 13 13-1103 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	437.30	52.80
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	110.74	
For Cement Mortar Lining (CML), Add	35.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	64.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.79	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-21.87	
For Class 51, Add	49.69	
For Class 52, Add	107.41	
For Class 53, Add	194.43	
For Class 54, Add	277.77	
For Class 55, Add	318.81	
For Class 56, Add	359.11	
33 14 13 13-1104 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	556.11	55.60
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	146.28	
For Cement Mortar Lining (CML), Add	47.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.39	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-27.81	
For Class 51, Add	65.37	
For Class 52, Add	141.35	
For Class 53, Add	256.03	
For Class 54, Add	365.85	
For Class 55, Add	419.79	
For Class 56, Add	472.75	
33 14 13 13-1105 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1088)		
33 14 13 13-1106 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	255.11	38.14
For Cement Mortar Lining (CML), Add	19.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	35.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.80	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1107 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	369.72	56.25
For Cement Mortar Lining (CML), Add	28.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	51.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	495.81	66.80
For Cement Mortar Lining (CML), Add	39.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron	749.33	73.91
For Cement Mortar Lining (CML), Add	59.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	107.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1110 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron	968.36	86.72
For Cement Mortar Lining (CML), Add	78.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	142.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1111 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron	1,931.79	97.28
For Cement Mortar Lining (CML), Add	173.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	311.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1112 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,183.61	111.21
For Cement Mortar Lining (CML), Add	195.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	351.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1113 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron	3,405.01	155.69
For Cement Mortar Lining (CML), Add	308.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	555.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	231.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1114 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron	3,826.96	196.24
For Cement Mortar Lining (CML), Add	343.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	618.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	257.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1115 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron	4,778.48	245.34
For Cement Mortar Lining (CML), Add	428.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	771.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	321.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1116 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1088)		
33 14 13 13-1117 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron	210.25	38.14
For Cement Mortar Lining (CML), Add	15.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	27.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1118 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron	309.39	56.25
For Cement Mortar Lining (CML), Add	22.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.81	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1119 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron	430.89	66.80
<i>For Cement Mortar Lining (CML), Add</i>	32.96	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	59.33	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	24.72	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1120 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron	659.71	73.91
<i>For Cement Mortar Lining (CML), Add</i>	50.68	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	91.23	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	38.01	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1121 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron	854.16	86.72
<i>For Cement Mortar Lining (CML), Add</i>	67.49	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	121.49	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	50.62	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1122 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,218.72	97.28
<i>For Cement Mortar Lining (CML), Add</i>	101.76	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	183.17	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	76.32	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1123 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron	1,810.23	111.21
<i>For Cement Mortar Lining (CML), Add</i>	158.05	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	284.48	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	118.53	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1124 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,076.71	155.69
<i>For Cement Mortar Lining (CML), Add</i>	175.50	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	315.91	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	131.63	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1125 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron	2,917.52	196.24
<i>For Cement Mortar Lining (CML), Add</i>	252.51	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	454.51	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	189.38	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1126 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron	3,620.17	245.34
<i>For Cement Mortar Lining (CML), Add</i>	312.96	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	563.33	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	234.72	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1127 Push-On Joint Ductile Iron Tee <small>(33 14 13 13-1088)</small>		
33 14 13 13-1128 EA 4" Tee, Push-On Joint Ductile Iron	390.38	56.25
<i>For Cement Mortar Lining (CML), Add</i>	30.51	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	54.92	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	22.88	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1129 EA 6" Tee, Push-On Joint Ductile Iron	542.79	82.67
<i>For Cement Mortar Lining (CML), Add</i>	41.75	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	75.15	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	31.31	
<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1130 EA 8" Tee, Push-On Joint Ductile Iron	743.81	100.20
<i>For Cement Mortar Lining (CML), Add</i>	59.19	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	106.53	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	44.39	
<i>Note: ANSI/AWWA C151/A21.51</i>		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1131 EA 10" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,099.83 93.13 167.64 69.85	112.33
33 14 13 13-1132 EA 12" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,371.07 117.45 211.41 88.09	129.52
33 14 13 13-1133 EA 14" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,217.06 198.12 356.61 148.59	155.69
33 14 13 13-1134 EA 16" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,209.70 291.48 524.67 218.61	194.67
33 14 13 13-1135 EA 18" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,031.71 363.82 654.88 272.87	259.71
33 14 13 13-1136 EA 20" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,749.22 426.91 768.44 320.18	316.89
33 14 13 13-1137 EA 24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,223.50 562.34 1,012.22 421.76	396.08
33 14 13 13-1138 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1088)		
33 14 13 13-1139 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	429.01 22.86 41.14 17.14	132.30
33 14 13 13-1140 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	525.21 27.71 49.87 20.78	163.80
33 14 13 13-1141 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	687.79 39.83 71.69 29.87	191.04
33 14 13 13-1142 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	940.73 51.95 93.51 38.96	278.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1143 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,139.45 65.80 118.44 49.35	317.79
33 14 13 13-1144 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,315.01 79.66 143.38 59.74	342.16
33 14 13 13-1145 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,566.01 100.44 180.78 75.33	370.70
33 14 13 13-1146 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,851.51 117.75 211.95 88.31	444.84
33 14 13 13-1147 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,151.52 140.26 252.47 105.20	494.26
33 14 13 13-1148 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,699.64 183.55 330.40 137.67	570.31
33 14 13 13-1149 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,331.18 329.43 592.97 247.07	684.32
33 14 13 13-1150 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,996.50 470.04 846.06 352.53	855.42
33 14 13 13-1151 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,584.14 608.64 1,095.55 456.48	988.53
33 14 13 13-1152 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,679.29 775.36 1,395.65 581.52	1,270.93
33 14 13 13-1153 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,762.97 951.57 1,712.83 713.68	1,483.13
33 14 13 13-1154 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1088) Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1155 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	51.57	20.60
33 14 13 13-1156 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	67.56	26.88
33 14 13 13-1157 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	88.03	27.49
33 14 13 13-1158 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	104.12	29.20
33 14 13 13-1159 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	123.83	32.43

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1160	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		156.33	36.49
33 14 13 13-1161	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		184.43	41.70
33 14 13 13-1162	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		207.87	45.18
33 14 13 13-1163	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		242.40	54.21
33 14 13 13-1164	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		291.34	56.30
33 14 13 13-1165	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		373.82	62.56
33 14 13 13-1166	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		488.07	67.76
33 14 13 13-1167	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		602.86	74.14
33 14 13 13-1168	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		711.41	83.41
33 14 13 13-1169	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron		983.62	90.45
33 14 13 13-1170		Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) <small>(33 14 13 13-1088)</small>			
33 14 13 13-1171	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400).....		241.15	75.82
33 14 13 13-1172	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600).....		318.06	92.57
33 14 13 13-1173	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800).....		409.43	112.89
33 14 13 13-1174	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000).....		616.55	137.72
33 14 13 13-1175	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200).....		764.70	167.93
33 14 13 13-1176	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400).....		1,317.08	204.89
33 14 13 13-1177	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600).....		1,503.87	250.05
33 14 13 13-1178	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800).....		1,707.52	304.98
33 14 13 13-1179	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000).....		2,320.51	372.16
33 14 13 13-1180	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400).....		2,959.40	453.94
33 14 13 13-1181	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000).....		5,104.60	553.91
33 14 13 13-1182	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600).....		7,241.15	675.67
33 14 13 13-1183	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200).....		13,147.98	824.41
33 14 13 13-1184	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800).....		17,008.56	1,005.72
33 14 13 13-1185		Ductile Iron Pipe Repair <small>(33 14 13 13-0001)</small> See CSI section 33 14 13 13-0002 for mechanical joint fittings.			
33 14 13 13-1186		Ductile Iron Pipe Repair <small>(33 14 13 13-1185)</small> Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.			
33 14 13 13-1187	EA	30" Diameter Mechanical Ductile Iron Push Joint		3,836.64	
33 14 13 13-1188	EA	36" Diameter Mechanical Ductile Iron Push Joint		4,889.80	
33 14 13 13-1189	EA	42" Diameter Mechanical Ductile Iron Push Joint		6,246.84	
33 14 13 13-1190	EA	48" Diameter Mechanical Ductile Iron Push Joint		7,858.26	
33 14 13 13-1191	EA	54" Diameter Mechanical Ductile Iron Push Joint		11,446.68	
33 14 13 13-1192		WEKO Seals <small>(33 14 13 13-1185)</small> Note: Internal joint seal.			
33 14 13 13-1193	EA	16" WEKO Internal Joint Seal		2,229.59	212.12
		<i>For Extra Wide Seals, Add</i>		86.07	
33 14 13 13-1194	EA	18" WEKO Internal Joint Seal		2,375.77	223.99
		<i>For Extra Wide Seals, Add</i>		86.97	
33 14 13 13-1195	EA	20" WEKO Internal Joint Seal		2,521.76	235.85
		<i>For Extra Wide Seals, Add</i>		87.87	
33 14 13 13-1196	EA	24" WEKO Internal Joint Seal		2,670.60	254.72
		<i>For Extra Wide Seals, Add</i>		89.30	
33 14 13 13-1197	EA	30" WEKO Internal Joint Seal		2,754.43	273.58
		<i>For Extra Wide Seals, Add</i>		90.73	
33 14 13 13-1198	EA	36" WEKO Internal Joint Seal		2,887.66	297.17
		<i>For Extra Wide Seals, Add</i>		92.51	
33 14 13 13-1199	EA	42" WEKO Internal Joint Seal		3,076.79	325.47
		<i>For Extra Wide Seals, Add</i>		94.66	
33 14 13 13-1200	EA	48" WEKO Internal Joint Seal		3,323.77	349.06
		<i>For Extra Wide Seals, Add</i>		96.44	
33 14 13 13-1201	EA	54" WEKO Internal Joint Seal		3,446.60	367.92
		<i>For Extra Wide Seals, Add</i>		97.87	
33 14 13 13-1202	EA	60" WEKO Internal Joint Seal		3,590.24	396.23
		<i>For Extra Wide Seals, Add</i>		100.02	
33 14 13 23		Plastic Public Water Utility Distribution Piping <small>(33 14 13)</small>			
33 14 13 23-0001		AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23)</small> Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.			
33 14 13 23-0002		AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>			
33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe		10.83	3.85
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe		15.70	4.67
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe		21.48	5.25
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe		28.24	5.83
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe		36.52	6.54
33 14 13 23-0008		AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>			
33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe		11.95	3.85
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe		18.02	4.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0011 LF 8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	25.39	5.25
33 14 13 23-0012 LF 10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	34.32	5.83
33 14 13 23-0013 LF 12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	45.01	6.54
33 14 13 23-0014 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0015 LF 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.05	3.85
33 14 13 23-0016 LF 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	20.33	4.67
33 14 13 23-0017 LF 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	29.31	5.25
33 14 13 23-0018 LF 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	40.27	5.83
33 14 13 23-0019 LF 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	53.50	6.54
33 14 13 23-0020 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0021 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	57.32	9.80
33 14 13 23-0022 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	69.88	11.67
33 14 13 23-0023 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	93.72	14.01
33 14 13 23-0024 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	135.40	16.33
33 14 13 23-0025 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	186.86	18.67
33 14 13 23-0026 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	236.76	19.84
33 14 13 23-0027 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	299.84	21.36
33 14 13 23-0028 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0029 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	42.32	7.35
33 14 13 23-0030 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	53.07	8.17
33 14 13 23-0031 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	65.82	9.80
33 14 13 23-0032 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	80.92	11.67
33 14 13 23-0033 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	110.74	14.01
33 14 13 23-0034 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	159.82	16.33
33 14 13 23-0035 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	219.57	18.67
33 14 13 23-0036 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	291.14	19.84
33 14 13 23-0037 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	370.40	21.36
33 14 13 23-0038 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0039 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	48.86	7.35
33 14 13 23-0040 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	62.15	8.17
33 14 13 23-0041 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	77.10	9.80
33 14 13 23-0042 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	95.55	11.67
33 14 13 23-0043 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	131.76	14.01
33 14 13 23-0044 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	191.38	16.33
33 14 13 23-0045 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	265.65	18.67
33 14 13 23-0046 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	345.73	19.84
33 14 13 23-0047 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	441.64	21.36
33 14 13 23-0048 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049 LF 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	60.04	7.35
33 14 13 23-0050 LF 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	75.43	8.17
33 14 13 23-0051 LF 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	94.20	9.80
33 14 13 23-0052 LF 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	116.20	11.67
33 14 13 23-0053 LF 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	161.54	14.01
33 14 13 23-0054 LF 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	238.12	16.33
33 14 13 23-0055 LF 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	337.50	18.67
33 14 13 23-0056 LF 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	451.11	19.84
33 14 13 23-0057 LF 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	583.05	21.36
33 14 13 23-0058 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0059 LF 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	68.45	7.35
33 14 13 23-0060 LF 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	86.36	8.17
33 14 13 23-0061 LF 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	107.99	9.80
33 14 13 23-0062 LF 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	133.38	11.67
33 14 13 23-0063 LF 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	186.24	14.01
33 14 13 23-0064 LF 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	276.13	16.33
33 14 13 23-0065 LF 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	393.03	18.67
33 14 13 23-0066 LF 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	527.21	19.84
33 14 13 23-0067 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0068 LF 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	76.64	7.35
33 14 13 23-0069 LF 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	97.00	8.17
33 14 13 23-0070 LF 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	121.40	9.80
33 14 13 23-0071 LF 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	150.09	11.67
33 14 13 23-0072 LF 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	210.28	14.01
33 14 13 23-0073 LF 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	313.11	16.33
33 14 13 23-0074 LF 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	447.05	18.67

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 23-0075		AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings <small>(33 14 13 23)</small>			
		Note: Includes rubber gaskets.			
33 14 13 23-0076		90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>			
33 14 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	206.00		13.09
		For DR 25, Deduct	-10.79		
33 14 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	421.98		14.72
		For DR 25, Deduct	-23.55		
33 14 13 23-0079	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	633.96		16.36
		For DR 25, Deduct	-36.07		
33 14 13 23-0080	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	968.56		26.21
		For DR 25, Deduct	-54.97		
33 14 13 23-0081	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,260.45		43.69
		For DR 25, Deduct	-70.39		
33 14 13 23-0082	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,892.91		54.61
		For DR 25, Deduct	-107.02		
33 14 13 23-0083	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,258.96		65.53
		For DR 25, Deduct	-127.67		
33 14 13 23-0084	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,876.37		87.37
		For DR 25, Deduct	-222.10		
33 14 13 23-0085	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,771.94		109.21
		For DR 25, Deduct	-273.21		
33 14 13 23-0086	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,921.46		147.44
		For DR 25, Deduct	-457.59		
33 14 13 23-0087		45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>			
33 14 13 23-0088	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	182.53		13.09
		For DR 25, Deduct	-9.38		
33 14 13 23-0089	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	315.49		14.72
		For DR 25, Deduct	-17.16		
33 14 13 23-0090	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	399.84		16.36
		For DR 25, Deduct	-22.03		
33 14 13 23-0091	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	565.94		26.21
		For DR 25, Deduct	-30.81		
33 14 13 23-0092	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	756.63		43.69
		For DR 25, Deduct	-40.16		
33 14 13 23-0093	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,454.66		54.61
		For DR 25, Deduct	-80.73		
33 14 13 23-0094	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,843.78		65.53
		For DR 25, Deduct	-102.76		
33 14 13 23-0095	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,182.23		87.37
		For DR 25, Deduct	-180.45		
33 14 13 23-0096	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,952.47		109.21
		For DR 25, Deduct	-224.04		
33 14 13 23-0097	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,577.73		147.44
		For DR 25, Deduct	-316.97		
33 14 13 23-0098		22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>			
33 14 13 23-0099	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	179.66		13.09
		For DR 25, Deduct	-9.21		
33 14 13 23-0100	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	315.50		14.72
		For DR 25, Deduct	-17.16		
33 14 13 23-0101	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	399.85		16.36
		For DR 25, Deduct	-22.03		
33 14 13 23-0102	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	565.95		26.21
		For DR 25, Deduct	-30.81		
33 14 13 23-0103	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	756.63		43.69
		For DR 25, Deduct	-40.16		
33 14 13 23-0104	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,450.28		52.42
		For DR 25, Deduct	-80.73		
33 14 13 23-0105	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,843.76		65.53
		For DR 25, Deduct	-102.76		
33 14 13 23-0106	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,182.23		87.37
		For DR 25, Deduct	-180.45		
33 14 13 23-0107	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,952.47		109.21
		For DR 25, Deduct	-224.04		
33 14 13 23-0108	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,577.73		147.44
		For DR 25, Deduct	-316.97		
33 14 13 23-0109		11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>			
33 14 13 23-0110	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	158.64		13.09
		For DR 25, Deduct	-7.95		
33 14 13 23-0111	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	315.50		14.72
		For DR 25, Deduct	-17.16		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0112 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	399.85	16.36
For DR 25, Deduct	-22.03	
33 14 13 23-0113 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	565.95	26.21
For DR 25, Deduct	-30.81	
33 14 13 23-0114 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	756.63	43.69
For DR 25, Deduct	-40.16	
33 14 13 23-0115 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,450.28	52.42
For DR 25, Deduct	-80.73	
33 14 13 23-0116 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,843.76	65.53
For DR 25, Deduct	-102.76	
33 14 13 23-0117 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,182.23	87.37
For DR 25, Deduct	-180.45	
33 14 13 23-0118 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,952.47	109.21
For DR 25, Deduct	-224.04	
33 14 13 23-0119 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,577.73	147.44
For DR 25, Deduct	-316.97	
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)		
<small>(33 14 13 23-0075)</small>		
33 14 13 23-0121 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	244.85	14.72
For DR 25, Deduct	-12.92	
33 14 13 23-0122 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	473.06	16.36
For DR 25, Deduct	-26.42	
33 14 13 23-0123 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	660.20	18.54
For DR 25, Deduct	-37.39	
33 14 13 23-0124 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,361.90	32.76
For DR 25, Deduct	-77.78	
33 14 13 23-0125 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,662.30	65.53
For DR 25, Deduct	-91.88	
33 14 13 23-0126 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,002.13	81.91
For DR 25, Deduct	-170.30	
33 14 13 23-0127 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,718.42	98.30
For DR 25, Deduct	-211.31	
33 14 13 23-0128 EA 18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,691.78	131.06
For DR 25, Deduct	-265.78	
33 14 13 23-0129 EA 20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,634.26	163.82
For DR 25, Deduct	-318.40	
33 14 13 23-0130 EA 24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,729.86	111.40
For DR 25, Deduct	-450.42	
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)		
<small>(33 14 13 23-0075)</small>		
33 14 13 23-0132 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	470.97	21.27
For DR 25, Deduct	-25.71	
33 14 13 23-0133 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	640.72	22.90
For DR 25, Deduct	-35.69	
33 14 13 23-0134 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	656.76	23.73
For DR 25, Deduct	-36.56	
33 14 13 23-0135 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	852.77	32.76
For DR 25, Deduct	-47.23	
33 14 13 23-0136 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,154.92	33.58
For DR 25, Deduct	-65.27	
33 14 13 23-0137 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,235.51	34.40
For DR 25, Deduct	-70.00	
33 14 13 23-0138 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,309.87	50.24
For DR 25, Deduct	-72.56	
33 14 13 23-0139 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,503.60	51.06
For DR 25, Deduct	-84.09	
33 14 13 23-0140 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,595.14	51.88
For DR 25, Deduct	-89.48	
33 14 13 23-0141 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,625.20	56.79
For DR 25, Deduct	-90.70	
33 14 13 23-0142 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,468.16	58.97
For DR 25, Deduct	-141.01	
33 14 13 23-0143 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,567.42	59.79
For DR 25, Deduct	-146.87	
33 14 13 23-0144 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,666.94	60.61
For DR 25, Deduct	-152.74	
33 14 13 23-0145 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,774.09	65.53
For DR 25, Deduct	-158.58	
33 14 13 23-0146 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,889.25	74.27
For DR 25, Deduct	-164.44	
33 14 13 23-0147 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,080.17	72.08
For DR 25, Deduct	-176.16	
33 14 13 23-0148 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,177.77	72.08
For DR 25, Deduct	-182.02	
33 14 13 23-0149 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,277.05	72.90
For DR 25, Deduct	-187.88	
33 14 13 23-0150 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,376.34	73.72
For DR 25, Deduct	-193.73	
33 14 13 23-0151 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,501.26	87.37
For DR 25, Deduct	-199.59	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0152 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,607.62 -205.45	91.74
33 14 13 23-0153 EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,806.58 -217.12	93.93
33 14 13 23-0154 EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,906.54 -223.02	94.75
33 14 13 23-0155 EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,005.82 -228.88	95.57
33 14 13 23-0156 EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,113.28 -234.74	100.48
33 14 13 23-0157 EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,228.34 -240.59	109.21
33 14 13 23-0158 EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,334.05 -246.41	113.58
33 14 13 23-0159 EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,468.40 -253.69	120.14
33 14 13 23-0160 EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,827.91 -275.78	115.77
33 14 13 23-0161 EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,996.27 -285.79	116.59
33 14 13 23-0162 EA 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,062.54 -289.66	117.41
33 14 13 23-0163 EA 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,137.09 -293.55	122.32
33 14 13 23-0164 EA 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,219.21 -297.43	131.06
33 14 13 23-0165 EA 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,332.78 -303.72	135.42
33 14 13 23-0166 EA 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,450.72 -310.01	141.98
33 14 13 23-0167 EA 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,542.48 -314.20	152.90
33 14 13 23-0168 EA 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,684.50 -322.59	153.99
33 14 13 23-0169 EA 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,756.08 -326.79	154.81
33 14 13 23-0170 EA 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,827.65 -330.98	155.63
33 14 13 23-0171 EA 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,121.87 -348.05	160.54
33 14 13 23-0172 EA 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,423.69 -365.11	169.29
33 14 13 23-0173 EA 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,716.82 -382.17	173.65
33 14 13 23-0174 EA 24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,014.31 -399.23	180.20
33 14 13 23-0175 EA 24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,320.54 -416.30	191.13
33 14 13 23-0176 EA 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,626.76 -433.36	202.05
33 14 13 23-0177 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0178 EA 4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	339.56 -17.23	26.17
33 14 13 23-0179 EA 6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	610.09 -33.07	29.45
33 14 13 23-0180 EA 8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	844.73 -46.76	32.72
33 14 13 23-0181 EA 10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,724.63 -97.19	52.42
33 14 13 23-0182 EA 12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,045.50 -114.87	65.53
33 14 13 23-0183 EA 14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,722.82 -212.88	87.37
33 14 13 23-0184 EA 16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,620.01 -264.10	109.21
33 14 13 23-0185 EA 18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,887.40 -332.27	174.75
33 14 13 23-0186 EA 20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,070.22 -398.00	218.43
33 14 13 23-0187 EA 24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	9,973.02 -563.00	294.88
33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0189 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	591.60 -32.16	27.81
33 14 13 23-0190 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	803.45 -44.67	29.45
33 14 13 23-0191 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	823.98 -45.71	31.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0192 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,236.48	39.32
For DR 25, Deduct	-69.47	
33 14 13 23-0193 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,441.78	40.96
For DR 25, Deduct	-81.59	
33 14 13 23-0194 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,583.84	42.60
For DR 25, Deduct	-89.92	
33 14 13 23-0195 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,625.81	56.79
For DR 25, Deduct	-90.73	
33 14 13 23-0196 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,868.64	58.43
For DR 25, Deduct	-105.11	
33 14 13 23-0197 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,984.33	60.06
For DR 25, Deduct	-111.85	
33 14 13 23-0198 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,029.17	69.90
For DR 25, Deduct	-113.36	
33 14 13 23-0199 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,068.79	65.53
For DR 25, Deduct	-176.26	
33 14 13 23-0200 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,193.74	67.17
For DR 25, Deduct	-183.56	
33 14 13 23-0201 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,320.04	68.81
For DR 25, Deduct	-190.95	
33 14 13 23-0202 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,462.21	78.63
For DR 25, Deduct	-198.30	
33 14 13 23-0203 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,618.74	96.11
For DR 25, Deduct	-205.59	
33 14 13 23-0204 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,826.68	78.63
For DR 25, Deduct	-220.16	
33 14 13 23-0205 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,953.28	80.27
For DR 25, Deduct	-227.56	
33 14 13 23-0206 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,078.53	81.91
For DR 25, Deduct	-234.88	
33 14 13 23-0207 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,220.59	91.74
For DR 25, Deduct	-242.23	
33 14 13 23-0208 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,290.20	109.21
For DR 25, Deduct	-244.31	
33 14 13 23-0209 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,516.45	117.96
For DR 25, Deduct	-256.83	
33 14 13 23-0210 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,724.99	100.48
For DR 25, Deduct	-271.44	
33 14 13 23-0211 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,851.28	102.12
For DR 25, Deduct	-278.82	
33 14 13 23-0212 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,976.72	103.75
For DR 25, Deduct	-286.15	
33 14 13 23-0213 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,116.95	113.58
For DR 25, Deduct	-293.39	
33 14 13 23-0214 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,274.93	131.06
For DR 25, Deduct	-300.77	
33 14 13 23-0215 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,414.00	139.80
For DR 25, Deduct	-308.06	
33 14 13 23-0216 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,591.52	152.90
For DR 25, Deduct	-317.14	
33 14 13 23-0217 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,990.71	122.32
For DR 25, Deduct	-344.76	
33 14 13 23-0218 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,202.02	123.96
For DR 25, Deduct	-357.25	
33 14 13 23-0219 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,286.70	125.60
For DR 25, Deduct	-362.13	
33 14 13 23-0220 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,386.88	135.42
For DR 25, Deduct	-366.96	
33 14 13 23-0221 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,502.36	152.90
For DR 25, Deduct	-371.79	
33 14 13 23-0222 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,649.96	161.63
For DR 25, Deduct	-379.60	
33 14 13 23-0223 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,808.90	174.75
For DR 25, Deduct	-387.56	
33 14 13 23-0224 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,939.74	196.59
For DR 25, Deduct	-392.79	
33 14 13 23-0225 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,002.93	160.54
For DR 25, Deduct	-400.91	
33 14 13 23-0226 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,132.87	162.18
For DR 25, Deduct	-408.51	
33 14 13 23-0227 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,223.92	163.82
For DR 25, Deduct	-413.78	
33 14 13 23-0228 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,598.65	173.65
For DR 25, Deduct	-435.08	
33 14 13 23-0229 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,988.77	191.13
For DR 25, Deduct	-456.39	
33 14 13 23-0230 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,361.37	199.87
For DR 25, Deduct	-477.70	
33 14 13 23-0231 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,744.23	212.97
For DR 25, Deduct	-499.10	
33 14 13 23-0232 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,142.28	234.81
For DR 25, Deduct	-520.36	
33 14 13 23-0233 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,541.84	256.65
For DR 25, Deduct	-541.71	

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0234			Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ^(33 14 13 23-0075)		
33 14 13 23-0235	EA		4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	123.03	13.09
			<i>For DR 25, Deduct</i>	-5.81	
33 14 13 23-0236	EA		6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	229.35	14.72
			<i>For DR 25, Deduct</i>	-11.99	
33 14 13 23-0237	EA		8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	276.06	16.36
			<i>For DR 25, Deduct</i>	-14.60	
33 14 13 23-0238	EA		10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	392.82	26.21
			<i>For DR 25, Deduct</i>	-20.42	
33 14 13 23-0239	EA		12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	624.84	32.76
			<i>For DR 25, Deduct</i>	-33.56	
33 14 13 23-0240	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,084.05	43.69
			<i>For DR 25, Deduct</i>	-59.80	
33 14 13 23-0241	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,284.17	54.61
			<i>For DR 25, Deduct</i>	-70.50	
33 14 13 23-0242	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,074.21	87.37
			<i>For DR 25, Deduct</i>	-173.97	
33 14 13 23-0243	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,446.43	109.21
			<i>For DR 25, Deduct</i>	-193.68	
33 14 13 23-0244	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,852.63	147.44
			<i>For DR 25, Deduct</i>	-273.47	
33 14 13 23-0245			Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) ^(33 14 13 23-0075)		
33 14 13 23-0246	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	152.51	13.09
			<i>For DR 25, Deduct</i>	-7.58	
33 14 13 23-0247	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	207.22	14.72
			<i>For DR 25, Deduct</i>	-10.67	
33 14 13 23-0248	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	301.27	16.36
			<i>For DR 25, Deduct</i>	-16.11	
33 14 13 23-0249	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	412.48	26.21
			<i>For DR 25, Deduct</i>	-21.60	
33 14 13 23-0250	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	661.01	43.69
			<i>For DR 25, Deduct</i>	-34.42	
33 14 13 23-0251	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,754.42	52.42
			<i>For DR 25, Deduct</i>	-98.97	
33 14 13 23-0252	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,374.86	65.53
			<i>For DR 25, Deduct</i>	-134.63	
33 14 13 23-0253	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,926.19	87.37
			<i>For DR 25, Deduct</i>	-165.09	
33 14 13 23-0254	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,496.00	109.21
			<i>For DR 25, Deduct</i>	-196.65	
33 14 13 23-0255	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,749.20	147.44
			<i>For DR 25, Deduct</i>	-267.26	
33 14 13 23-0256			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping ^(33 14 13 23)		
33 14 13 23-0257			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ^(33 14 13 23-0256)		
33 14 13 23-0258	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.73	0.88
			<i>For >1,000, Deduct</i>	-0.14	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.08	
33 14 13 23-0259	LF		1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.07	0.94
			<i>For >1,000, Deduct</i>	-0.15	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.11	
33 14 13 23-0260	LF		1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.72	1.03
			<i>For >1,000, Deduct</i>	-0.19	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.17	
33 14 13 23-0261	LF		1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.41	1.13
			<i>For >1,000, Deduct</i>	-0.22	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.24	
33 14 13 23-0262	LF		2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.08	1.26
			<i>For >1,000, Deduct</i>	-0.30	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.44	
33 14 13 23-0263	LF		2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.23	1.44
			<i>For >1,000, Deduct</i>	-0.41	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.69	
33 14 13 23-0264	LF		3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	10.32	1.60
			<i>For >1,000, Deduct</i>	-0.52	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.95	
33 14 13 23-0265	LF		4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	15.27	1.98
			<i>For >1,000, Deduct</i>	-0.76	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.55	
33 14 13 23-0266	LF		6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	28.77	2.51
			<i>For >1,000, Deduct</i>	-1.44	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.38	
33 14 13 23-0267	LF		8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	46.87	3.50
			<i>For >1,000, Deduct</i>	-2.34	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0268 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	70.98 -3.55 8.90	4.67
33 14 13 23-0269 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	99.27 -4.96 12.53	6.29
33 14 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0271 EA 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	26.80	10.47
33 14 13 23-0272 EA 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	34.10	13.09
33 14 13 23-0273 EA 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	43.22	16.36
33 14 13 23-0274 EA 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	78.00	18.10
33 14 13 23-0275 EA 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	83.23	20.28
33 14 13 23-0276 EA 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	100.35	23.01
33 14 13 23-0277 EA 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	112.34	25.70
33 14 13 23-0278 EA 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	164.04	31.56
33 14 13 23-0279 EA 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	247.02	40.10
33 14 13 23-0280 EA 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	424.96	52.65
33 14 13 23-0281 EA 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	511.13	70.42
33 14 13 23-0282 EA 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	672.27	94.80
33 14 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0284 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	27.68	10.47
33 14 13 23-0285 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	34.73	13.09
33 14 13 23-0286 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	43.60	16.36
33 14 13 23-0287 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	66.48	18.10
33 14 13 23-0288 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	84.30	20.28
33 14 13 23-0289 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	104.70	23.01
33 14 13 23-0290 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	110.50	25.70
33 14 13 23-0291 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	160.08	31.56
33 14 13 23-0292 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	239.02	40.10
33 14 13 23-0293 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	409.72	52.65
33 14 13 23-0294 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	447.97	70.42
33 14 13 23-0295 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	584.85	94.80
33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0297 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	40.14	15.71
33 14 13 23-0298 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	50.87	19.74
33 14 13 23-0299 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	64.04	24.66
33 14 13 23-0300 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	102.83	27.27
33 14 13 23-0301 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	118.31	30.32
33 14 13 23-0302 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	139.28	34.58
33 14 13 23-0303 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	173.39	38.46
33 14 13 23-0304 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	234.33	47.40
33 14 13 23-0305 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	425.74	60.25
33 14 13 23-0306 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	680.94	78.96
33 14 13 23-0307 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	747.96	112.16
33 14 13 23-0308 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	914.10	150.94
33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0256)</small>		
33 14 13 23-0310 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	18.02	6.98
33 14 13 23-0311 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	24.40	9.38
33 14 13 23-0312 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	33.03	12.33
33 14 13 23-0313 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	53.24	13.63
33 14 13 23-0314 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	58.36	15.16
33 14 13 23-0315 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	66.38	17.24
33 14 13 23-0316 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	77.08	19.23
33 14 13 23-0317 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	111.37	23.65
33 14 13 23-0318 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	166.90	30.12
33 14 13 23-0319 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	307.48	39.48
33 14 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	349.20	56.14
33 14 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	437.06	75.46
33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 14 13 23)</small>		
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0322)</small>		
33 14 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.17 -0.16 0.15	0.88
33 14 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.92 -0.20 0.24	0.94
33 14 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.20 -0.26 0.36	1.13

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0327	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	6.37 -0.32	1.26
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.48	
33 14 13 23-0328	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	8.70 -0.44	1.44
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.77	
33 14 13 23-0329	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	10.62 -0.53	1.60
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.99	
33 14 13 23-0330	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	14.46 -0.72	1.98
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.43	
33 14 13 23-0331	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	22.89 -1.14	2.51
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.49	
33 14 13 23-0332			Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(33 14 13 23-0322)</small>		
33 14 13 23-0333	EA		3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.12	10.47
33 14 13 23-0334	EA		1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.29	13.09
33 14 13 23-0335	EA		1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.90	18.10
33 14 13 23-0336	EA		2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	54.64	20.28
33 14 13 23-0337	EA		2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	68.23	23.01
33 14 13 23-0338	EA		3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	77.20	25.70
33 14 13 23-0339	EA		4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	105.22	31.56
33 14 13 23-0340	EA		6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	184.03	40.10
33 14 13 23-0341			Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(33 14 13 23-0322)</small>		
33 14 13 23-0342	EA		3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.04	10.47
33 14 13 23-0343	EA		1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.21	13.09
33 14 13 23-0344	EA		1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	47.93	18.10
33 14 13 23-0345	EA		2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	54.34	20.28
33 14 13 23-0346	EA		2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	67.41	23.01
33 14 13 23-0347	EA		3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	76.23	25.70
33 14 13 23-0348	EA		4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	103.28	31.56
33 14 13 23-0349	EA		6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	177.84	40.10
33 14 13 23-0350			Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes <small>(33 14 13 23-0322)</small>		
33 14 13 23-0351	EA		3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	40.47	15.71
33 14 13 23-0352	EA		1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	51.13	19.74
33 14 13 23-0353	EA		1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	71.47	27.27
33 14 13 23-0354	EA		2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	80.89	30.32
33 14 13 23-0355	EA		2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	102.82	34.58
33 14 13 23-0356	EA		3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	119.73	38.46
33 14 13 23-0357	EA		4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	149.94	47.40
33 14 13 23-0358	EA		6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	282.01	60.25
33 14 13 23-0359			Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(33 14 13 23-0322)</small>		
33 14 13 23-0360	EA		3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	18.17	6.98
33 14 13 23-0361	EA		1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.52	9.38
33 14 13 23-0362	EA		1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	35.54	13.63
33 14 13 23-0363	EA		2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	40.42	15.16
33 14 13 23-0364	EA		2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	48.55	17.24
33 14 13 23-0365	EA		3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	56.42	19.23
33 14 13 23-0366	EA		4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	70.24	23.65
33 14 13 23-0367	EA		6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	113.42	30.12
33 14 13 23-0368			Crosses, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0322)</small>		
33 14 13 23-0369	EA		3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	54.27	20.95
33 14 13 23-0370	EA		1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	68.08	26.29
33 14 13 23-0371	EA		1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	95.26	36.32
33 14 13 23-0372	EA		2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	107.82	40.47
33 14 13 23-0373	EA		2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	137.01	46.03
33 14 13 23-0374	EA		3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	159.49	51.31
33 14 13 23-0375	EA		4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	199.73	63.13
33 14 13 23-0376	EA		6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	375.24	80.30
33 14 13 23-0377			Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 14 13 23)</small>		
33 14 13 23-0378			Schedule 80 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0377)</small>		
33 14 13 23-0379	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	4.40 -0.22	0.94
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.31	
33 14 13 23-0380	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i>	6.17 -0.31	1.13
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0381 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	8.01 -0.40 0.73	1.26
33 14 13 23-0382 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	10.82 -0.54 1.08	1.44
33 14 13 23-0383 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	13.59 -0.68 1.44	1.60
33 14 13 23-0384 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	19.01 -0.95 2.11	1.98
33 14 13 23-0385 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe <i>For >1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	33.02 -1.65 4.01	2.51
33 14 13 23-0386 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0377)		
33 14 13 23-0387 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	36.81	13.09
33 14 13 23-0388 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	47.90	18.10
33 14 13 23-0389 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	57.16	20.28
33 14 13 23-0390 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	73.59	23.01
33 14 13 23-0391 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	82.17	25.70
33 14 13 23-0392 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	106.42	31.56
33 14 13 23-0393 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	178.36	40.10
33 14 13 23-0394 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0377)		
33 14 13 23-0395 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	47.14	13.09
33 14 13 23-0396 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	57.85	18.10
33 14 13 23-0397 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	66.73	20.28
33 14 13 23-0398 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	91.53	23.01
33 14 13 23-0399 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	105.53	25.70
33 14 13 23-0400 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	153.39	31.56
33 14 13 23-0401 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	175.22	40.10
33 14 13 23-0402 Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0377)		
33 14 13 23-0403 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	56.42	19.74
33 14 13 23-0404 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	87.53	27.27
33 14 13 23-0405 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	100.04	30.32
33 14 13 23-0406 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	112.96	34.58
33 14 13 23-0407 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	129.43	38.46
33 14 13 23-0408 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	156.93	47.40
33 14 13 23-0409 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	281.75	60.25
33 14 13 23-0410 Schedule 80 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0377)		
33 14 13 23-0411 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	28.30	9.38
33 14 13 23-0412 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	42.03	13.63
33 14 13 23-0413 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	46.52	15.16
33 14 13 23-0414 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	64.23	17.24
33 14 13 23-0415 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	72.23	19.23
33 14 13 23-0416 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	89.45	23.65
33 14 13 23-0417 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	140.25	30.12
33 14 13 23-0418 Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0419 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	75.11	26.29
33 14 13 23-0420 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	116.58	36.32
33 14 13 23-0421 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	133.24	40.47
33 14 13 23-0422 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	150.47	46.03
33 14 13 23-0423 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	172.36	51.31
33 14 13 23-0424 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	209.00	63.13
33 14 13 23-0425 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	374.91	80.30
33 14 13 23-0426 AWWA C906, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)		
<i>Note: ASTM D3350 pipe, ASTM D2657 heat fusion.</i>		
33 14 13 23-0427 High Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0426)		
33 14 13 23-0428 LF 3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe..... <i>For SDR 19, Add</i> <i>For SDR 17, Add</i> <i>For SDR 15.5, Add</i> <i>For SDR 13.5, Add</i> <i>For SDR 11, Add</i>	9.32 0.29 0.71 1.04 1.63 2.62	3.03

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0429	LF		4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	9.26	3.85
			<i>For SDR 26, Deduct</i>	-0.29	
			<i>For SDR 19, Add</i>	0.14	
			<i>For SDR 17, Add</i>	0.35	
			<i>For SDR 15.5, Add</i>	0.51	
			<i>For SDR 13.5, Add</i>	0.79	
			<i>For SDR 11, Add</i>	1.28	
33 14 13 23-0430	LF		6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.71	4.67
			<i>For SDR 26, Deduct</i>	-0.62	
			<i>For SDR 19, Add</i>	0.30	
			<i>For SDR 17, Add</i>	0.75	
			<i>For SDR 15.5, Add</i>	1.10	
			<i>For SDR 13.5, Add</i>	1.72	
			<i>For SDR 11, Add</i>	2.76	
33 14 13 23-0431	LF		8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	16.23	5.25
			<i>For SDR 26, Deduct</i>	-1.05	
			<i>For SDR 19, Add</i>	0.52	
			<i>For SDR 17, Add</i>	1.27	
			<i>For SDR 15.5, Add</i>	1.86	
			<i>For SDR 13.5, Add</i>	2.91	
			<i>For SDR 11, Add</i>	4.68	
33 14 13 23-0432	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	20.58	5.83
			<i>For SDR 26, Deduct</i>	-1.63	
			<i>For SDR 19, Add</i>	0.80	
			<i>For SDR 17, Add</i>	1.98	
			<i>For SDR 15.5, Add</i>	2.90	
			<i>For SDR 13.5, Add</i>	4.53	
			<i>For SDR 11, Add</i>	7.28	
33 14 13 23-0433	LF		12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	25.80	6.54
			<i>For SDR 26, Deduct</i>	-2.36	
			<i>For SDR 19, Add</i>	1.16	
			<i>For SDR 17, Add</i>	2.86	
			<i>For SDR 15.5, Add</i>	4.18	
			<i>For SDR 13.5, Add</i>	6.53	
			<i>For SDR 11, Add</i>	10.50	
33 14 13 23-0434	LF		14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	29.70	7.35
			<i>For SDR 26, Deduct</i>	-2.77	
			<i>For SDR 19, Add</i>	1.36	
			<i>For SDR 17, Add</i>	3.36	
			<i>For SDR 15.5, Add</i>	4.92	
			<i>For SDR 13.5, Add</i>	7.67	
			<i>For SDR 11, Add</i>	12.35	
33 14 13 23-0435	LF		16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	36.06	8.17
			<i>For SDR 26, Deduct</i>	-3.62	
			<i>For SDR 19, Add</i>	1.78	
			<i>For SDR 17, Add</i>	4.38	
			<i>For SDR 15.5, Add</i>	6.42	
			<i>For SDR 13.5, Add</i>	10.02	
			<i>For SDR 11, Add</i>	16.13	
33 14 13 23-0436	LF		18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.61	9.80
			<i>For SDR 26, Deduct</i>	-4.57	
			<i>For SDR 19, Add</i>	2.24	
			<i>For SDR 17, Add</i>	5.54	
			<i>For SDR 15.5, Add</i>	8.12	
			<i>For SDR 13.5, Add</i>	12.67	
			<i>For SDR 11, Add</i>	20.39	
33 14 13 23-0437	LF		20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	126.47	11.67
			<i>For SDR 26, Deduct</i>	-18.90	
			<i>For SDR 19, Add</i>	9.28	
			<i>For SDR 17, Add</i>	22.92	
			<i>For SDR 15.5, Add</i>	33.56	
			<i>For SDR 13.5, Add</i>	52.38	
			<i>For SDR 11, Add</i>	84.31	
33 14 13 23-0438	LF		24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	72.38	14.01
			<i>For SDR 26, Deduct</i>	-8.13	
			<i>For SDR 19, Add</i>	3.99	
			<i>For SDR 17, Add</i>	9.86	
			<i>For SDR 15.5, Add</i>	14.44	
			<i>For SDR 13.5, Add</i>	22.54	
			<i>For SDR 11, Add</i>	36.28	
33 14 13 23-0439			90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping ^{(33 14}		
			^{13 23-0426)}		
33 14 13 23-0440	EA		3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	62.20	16.36
			<i>For SDR 26, Deduct</i>	-2.40	
			<i>For SDR 19, Add</i>	1.18	
			<i>For SDR 17, Add</i>	2.91	
			<i>For SDR 15.5, Add</i>	4.27	
			<i>For SDR 13.5, Add</i>	6.66	
			<i>For SDR 11, Add</i>	10.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	70.16	18.20
For SDR 26, Deduct	-2.86	
For SDR 19, Add	1.41	
For SDR 17, Add	3.47	
For SDR 15.5, Add	5.08	
For SDR 13.5, Add	7.93	
For SDR 11, Add	12.77	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	103.83	20.78
For SDR 26, Deduct	-7.61	
For SDR 19, Add	3.74	
For SDR 17, Add	9.23	
For SDR 15.5, Add	13.52	
For SDR 13.5, Add	21.10	
For SDR 11, Add	33.96	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	159.57	24.26
For SDR 26, Deduct	-15.92	
For SDR 19, Add	7.81	
For SDR 17, Add	19.29	
For SDR 15.5, Add	28.25	
For SDR 13.5, Add	44.10	
For SDR 11, Add	70.98	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	241.90	32.40
For SDR 26, Deduct	-26.57	
For SDR 19, Add	13.04	
For SDR 17, Add	32.20	
For SDR 15.5, Add	47.16	
For SDR 13.5, Add	73.61	
For SDR 11, Add	118.48	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	357.62	48.48
For SDR 26, Deduct	-38.90	
For SDR 19, Add	19.10	
For SDR 17, Add	47.16	
For SDR 15.5, Add	69.06	
For SDR 13.5, Add	107.79	
For SDR 11, Add	173.50	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	447.01	64.70
For SDR 26, Deduct	-46.37	
For SDR 19, Add	22.77	
For SDR 17, Add	56.22	
For SDR 15.5, Add	82.33	
For SDR 13.5, Add	128.50	
For SDR 11, Add	206.83	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	593.75	96.97
For SDR 26, Deduct	-55.53	
For SDR 19, Add	27.27	
For SDR 17, Add	67.32	
For SDR 15.5, Add	98.59	
For SDR 13.5, Add	153.88	
For SDR 11, Add	247.68	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	739.54	109.07
For SDR 26, Deduct	-75.57	
For SDR 19, Add	37.11	
For SDR 17, Add	91.61	
For SDR 15.5, Add	134.16	
For SDR 13.5, Add	209.41	
For SDR 11, Add	337.06	
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	995.20	123.80
For SDR 26, Deduct	-113.65	
For SDR 19, Add	55.80	
For SDR 17, Add	137.76	
For SDR 15.5, Add	201.75	
For SDR 13.5, Add	314.90	
For SDR 11, Add	506.85	
33 14 13 23-0450 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,264.01	145.51
For SDR 26, Deduct	-151.72	
For SDR 19, Add	74.49	
For SDR 17, Add	183.92	
For SDR 15.5, Add	269.34	
For SDR 13.5, Add	420.39	
For SDR 11, Add	676.65	
33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>		
33 14 13 23-0452 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	68.41	17.13
For SDR 26, Deduct	-3.14	
For SDR 19, Add	1.54	
For SDR 17, Add	3.81	
For SDR 15.5, Add	5.58	
For SDR 13.5, Add	8.71	
For SDR 11, Add	14.01	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0453	EA		4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	78.32	19.40
			<i>For SDR 26, Deduct</i>	-3.70	
			<i>For SDR 19, Add</i>	1.82	
			<i>For SDR 17, Add</i>	4.48	
			<i>For SDR 15.5, Add</i>	6.57	
			<i>For SDR 13.5, Add</i>	10.25	
			<i>For SDR 11, Add</i>	16.50	
33 14 13 23-0454	EA		6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	119.83	22.38
			<i>For SDR 26, Deduct</i>	-9.67	
			<i>For SDR 19, Add</i>	4.75	
			<i>For SDR 17, Add</i>	11.72	
			<i>For SDR 15.5, Add</i>	17.16	
			<i>For SDR 13.5, Add</i>	26.79	
			<i>For SDR 11, Add</i>	43.11	
33 14 13 23-0455	EA		8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	213.10	26.45
			<i>For SDR 26, Deduct</i>	-24.53	
			<i>For SDR 19, Add</i>	12.04	
			<i>For SDR 17, Add</i>	29.73	
			<i>For SDR 15.5, Add</i>	43.54	
			<i>For SDR 13.5, Add</i>	67.96	
			<i>For SDR 11, Add</i>	109.39	
33 14 13 23-0456	EA		10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	292.66	38.83
			<i>For SDR 26, Deduct</i>	-32.31	
			<i>For SDR 19, Add</i>	15.87	
			<i>For SDR 17, Add</i>	39.17	
			<i>For SDR 15.5, Add</i>	57.36	
			<i>For SDR 13.5, Add</i>	89.54	
			<i>For SDR 11, Add</i>	144.12	
33 14 13 23-0457	EA		12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	415.26	58.25
			<i>For SDR 26, Deduct</i>	-44.12	
			<i>For SDR 19, Add</i>	21.66	
			<i>For SDR 17, Add</i>	53.49	
			<i>For SDR 15.5, Add</i>	78.33	
			<i>For SDR 13.5, Add</i>	122.26	
			<i>For SDR 11, Add</i>	196.78	
33 14 13 23-0458	EA		14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	501.34	72.75
			<i>For SDR 26, Deduct</i>	-51.91	
			<i>For SDR 19, Add</i>	25.49	
			<i>For SDR 17, Add</i>	62.92	
			<i>For SDR 15.5, Add</i>	92.15	
			<i>For SDR 13.5, Add</i>	143.83	
			<i>For SDR 11, Add</i>	231.51	
33 14 13 23-0459	EA		16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	663.66	109.07
			<i>For SDR 26, Deduct</i>	-61.64	
			<i>For SDR 19, Add</i>	30.27	
			<i>For SDR 17, Add</i>	74.72	
			<i>For SDR 15.5, Add</i>	109.43	
			<i>For SDR 13.5, Add</i>	170.80	
			<i>For SDR 11, Add</i>	274.92	
33 14 13 23-0460	EA		18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	848.41	127.08
			<i>For SDR 26, Deduct</i>	-85.65	
			<i>For SDR 19, Add</i>	42.05	
			<i>For SDR 17, Add</i>	103.83	
			<i>For SDR 15.5, Add</i>	152.05	
			<i>For SDR 13.5, Add</i>	237.33	
			<i>For SDR 11, Add</i>	381.99	
33 14 13 23-0461	EA		20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,175.68	150.09
			<i>For SDR 26, Deduct</i>	-132.04	
			<i>For SDR 19, Add</i>	64.83	
			<i>For SDR 17, Add</i>	160.07	
			<i>For SDR 15.5, Add</i>	234.41	
			<i>For SDR 13.5, Add</i>	365.88	
			<i>For SDR 11, Add</i>	588.90	
33 14 13 23-0462	EA		24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,518.86	181.94
			<i>For SDR 26, Deduct</i>	-178.44	
			<i>For SDR 19, Add</i>	87.61	
			<i>For SDR 17, Add</i>	216.31	
			<i>For SDR 15.5, Add</i>	316.77	
			<i>For SDR 13.5, Add</i>	494.43	
			<i>For SDR 11, Add</i>	795.82	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)

33 14 13 36-0001 Steel Piping (33 14 13 36)

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0051 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)

33 14 13 36-0004	LF		8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	107.77	29.16
			<i>For <100, Add</i>	12.02	
			<i>For >1,000, Deduct</i>	-5.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	128.02	29.16
<i>For <100, Add</i>	13.03	
<i>For >1,000, Deduct</i>	-6.40	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	127.81	31.81
<i>For <100, Add</i>	13.62	
<i>For >1,000, Deduct</i>	-6.39	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	153.41	31.81
<i>For <100, Add</i>	14.90	
<i>For >1,000, Deduct</i>	-7.67	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	154.00	33.33
<i>For <100, Add</i>	15.27	
<i>For >1,000, Deduct</i>	-7.70	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	173.91	33.33
<i>For <100, Add</i>	16.27	
<i>For >1,000, Deduct</i>	-8.70	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	186.07	36.83
<i>For <100, Add</i>	17.67	
<i>For >1,000, Deduct</i>	-9.30	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	201.98	36.83
<i>For <100, Add</i>	18.47	
<i>For >1,000, Deduct</i>	-10.10	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	197.46	38.87
<i>For <100, Add</i>	18.71	
<i>For >1,000, Deduct</i>	-9.87	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	209.74	38.87
<i>For <100, Add</i>	19.32	
<i>For >1,000, Deduct</i>	-10.49	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	244.07	43.73
<i>For <100, Add</i>	22.14	
<i>For >1,000, Deduct</i>	-12.20	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	264.20	43.73
<i>For <100, Add</i>	23.15	
<i>For >1,000, Deduct</i>	-13.21	
33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	211.43	57.17
<i>For <100, Add</i>	19.56	
<i>For >1,000, Deduct</i>	-10.57	
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	250.49	62.90
<i>For <100, Add</i>	22.45	
<i>For >1,000, Deduct</i>	-12.52	
33 14 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	277.94	65.75
<i>For <100, Add</i>	24.38	
<i>For >1,000, Deduct</i>	-13.90	
33 14 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	313.53	74.32
<i>For <100, Add</i>	27.47	
<i>For >1,000, Deduct</i>	-15.68	
33 14 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	327.18	74.32
<i>For <100, Add</i>	28.15	
<i>For >1,000, Deduct</i>	-16.36	
33 14 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	339.81	74.32
<i>For <100, Add</i>	28.78	
<i>For >1,000, Deduct</i>	-16.99	
33 14 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	354.37	74.32
<i>For <100, Add</i>	29.51	
<i>For >1,000, Deduct</i>	-17.72	
33 14 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	410.65	85.76
<i>For <100, Add</i>	34.01	
<i>For >1,000, Deduct</i>	-20.53	
33 14 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	455.70	85.76
<i>For <100, Add</i>	36.26	
<i>For >1,000, Deduct</i>	-22.79	
33 14 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	566.27	85.76
<i>For <100, Add</i>	41.79	
<i>For >1,000, Deduct</i>	-28.31	
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	509.80	100.05
<i>For <100, Add</i>	41.21	
<i>For >1,000, Deduct</i>	-25.49	
33 14 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	528.23	100.05
<i>For <100, Add</i>	42.13	
<i>For >1,000, Deduct</i>	-26.41	
33 14 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	702.05	100.05
<i>For <100, Add</i>	50.83	
<i>For >1,000, Deduct</i>	-35.10	
33 14 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	605.36	100.05
<i>For <100, Add</i>	45.99	
<i>For >1,000, Deduct</i>	-30.27	
33 14 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	710.04	120.07
<i>For <100, Add</i>	54.37	
<i>For >1,000, Deduct</i>	-35.50	
33 14 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	844.85	120.07
<i>For <100, Add</i>	61.11	
<i>For >1,000, Deduct</i>	-42.24	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	811.18	120.07
For <100, Add	59.43	
For >1,000, Deduct	-40.56	
33 14 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,237.53	134.36
For <100, Add	82.84	
For >1,000, Deduct	-61.88	
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	756.79	134.36
For <100, Add	58.80	
For >1,000, Deduct	-37.84	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,418.81	151.52
For <100, Add	94.53	
For >1,000, Deduct	-70.94	
33 14 13 36-0037 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	830.68	151.52
For <100, Add	65.12	
For >1,000, Deduct	-41.53	
33 14 13 36-0038 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,487.93	171.53
For <100, Add	101.35	
For >1,000, Deduct	-74.40	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,641.50	171.53
For <100, Add	109.03	
For >1,000, Deduct	-82.08	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,836.40	200.12
For <100, Add	123.27	
For >1,000, Deduct	-91.82	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,290.36	200.12
For <100, Add	95.97	
For >1,000, Deduct	-64.52	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,437.78	163.75
For <100, Add	121.01	
For >1,000, Deduct	-71.89	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,670.92	163.75
For <100, Add	182.67	
For >1,000, Deduct	-133.55	

33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)

33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	118.11	29.61
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	177.75	56.95
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	236.58	75.16
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	375.46	113.89
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	489.79	143.50
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	656.47	168.50
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	781.91	211.18
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	841.30	211.18
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	889.77	241.51
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	973.64	258.37
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	1,061.75	292.07
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,328.38	308.92
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,584.23	336.99
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,853.76	379.12
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	2,135.89	426.87
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,484.96	491.45
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,760.29	561.66
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	3,192.24	702.08
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,687.12	853.73
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	4,396.50	1,010.99

33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)**33 14 13 39-0001 Type L Copper Water Distribution Piping** (33 14 13 39)

33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	8.50	2.10
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	10.93	2.36
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	14.57	2.63
33 14 13 39-0005 LF 1-1/4" Type L Copper Water Distribution Pipe.....	18.37	3.16
33 14 13 39-0006 LF 1-1/2" Type L Copper Water Distribution Pipe.....	22.77	4.21
33 14 13 39-0007 LF 2" Type L Copper Water Distribution Pipe.....	33.71	5.26
33 14 13 39-0008 LF 2-1/2" Type L Copper Water Distribution Pipe.....	42.27	6.31
33 14 13 39-0009 LF 3" Type L Copper Water Distribution Pipe.....	53.48	6.94
33 14 13 39-0010 LF 3-1/2" Type L Copper Water Distribution Pipe.....	71.73	8.73
33 14 13 39-0011 LF 4" Type L Copper Water Distribution Pipe.....	94.96	11.05
33 14 13 39-0012 LF 5" Type L Copper Water Distribution Pipe.....	155.07	13.78
33 14 13 39-0013 LF 6" Type L Copper Water Distribution Pipe.....	200.91	16.62
33 14 13 39-0014 LF 8" Type L Copper Water Distribution Pipe.....	351.16	18.62

33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)

33 14 13 39-0016 LF 1/2" Type K Copper Water Distribution Pipe.....	9.12	2.10
33 14 13 39-0017 LF 3/4" Type K Copper Water Distribution Pipe.....	13.12	2.36
33 14 13 39-0018 LF 1" Type K Copper Water Distribution Pipe.....	16.75	2.63
33 14 13 39-0019 LF 1-1/4" Type K Copper Water Distribution Pipe.....	19.72	3.16
33 14 13 39-0020 LF 1-1/2" Type K Copper Water Distribution Pipe.....	24.76	4.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0021 LF 2" Type K Copper Water Distribution Pipe.....	36.39	5.26
33 14 13 39-0022 LF 2-1/2" Type K Copper Water Distribution Pipe.....	49.71	6.31
33 14 13 39-0023 LF 3" Type K Copper Water Distribution Pipe.....	64.62	6.94
33 14 13 39-0024 LF 3-1/2" Type K Copper Water Distribution Pipe.....	84.82	8.73
33 14 13 39-0025 LF 4" Type K Copper Water Distribution Pipe.....	114.83	11.05
33 14 13 39-0026 LF 5" Type K Copper Water Distribution Pipe.....	196.17	13.78
33 14 13 39-0027 LF 6" Type K Copper Water Distribution Pipe.....	274.81	16.62
33 14 13 39-0028 LF 8" Type K Copper Water Distribution Pipe.....	487.55	18.62
33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling (33 14 13 39)		
Note: Mueller H-15405		
33 14 13 39-0030 EA 3/4" Copper Flare x Female Copper Flare Service Fitting Coupling.....	44.45	
33 14 13 39-0031 EA 1" Copper Flare x Female Copper Flare Service Fitting Coupling.....	63.80	
33 14 13 39-0032 EA 1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling.....	159.23	
33 14 13 39-0033 EA 2" Copper Flare x Female Copper Flare Service Fitting Coupling.....	202.83	
33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling (33 14 13 39)		
Note: Mueller H-15450		
33 14 13 39-0035 EA 1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	53.12	
33 14 13 39-0036 EA 3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	44.68	
33 14 13 39-0037 EA 1" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	61.88	
33 14 13 39-0038 EA 1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	92.35	
33 14 13 39-0039 EA 1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	120.54	
33 14 13 39-0040 EA 2" Copper Flare x Female Iron Pipe Service Fitting Coupling.....	196.07	
33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling (33 14 13 39)		
Note: Mueller H-15425		
33 14 13 39-0042 EA 1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	45.26	
33 14 13 39-0043 EA 3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	44.81	
33 14 13 39-0044 EA 1" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	60.19	
33 14 13 39-0045 EA 1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	92.35	
33 14 13 39-0046 EA 1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	126.67	
33 14 13 39-0047 EA 2" Copper Flare x Male Iron Pipe Service Fitting Coupling.....	203.66	
33 14 13 39-0048 Brass Fittings (33 14 13 39)		
33 14 13 39-0049 Brass Compression Reducer Coupling (33 14 13 39-0048)		
33 14 13 39-0050 EA 3/4" x 1" Brass Compression Reducer Coupling.....	51.63	16.69
33 14 13 39-0051 EA 1" x 3/4" Brass Compression Reducer Coupling.....	40.91	16.69
33 14 13 39-0052 EA 1-1/2" x 1" Brass Compression Reducer Coupling.....	85.82	25.35
33 14 13 39-0053 EA 2" x 1-1/2" Brass Compression Reducer Coupling.....	106.31	32.15
33 14 13 39-0054 Copper Compression x Male NPT Brass Coupling (33 14 13 39-0048)		
Note: A. Y. McDonald 74753Q		
33 14 13 39-0055 EA 3/4" Copper Compression x Male NPT Brass Coupling.....	53.75	18.55
33 14 13 39-0056 EA 3/4" x 1" Copper Compression x Male NPT Brass Coupling.....	61.48	21.64
33 14 13 39-0057 EA 1" Copper Compression x Male NPT Brass Coupling.....	63.02	21.64
33 14 13 39-0058 EA 1" x 3/4" Copper Compression x Male NPT Brass Coupling.....	61.74	21.64
33 14 13 39-0059 EA 1-1/4" Copper Compression x Male NPT Brass Coupling.....	84.00	24.73
33 14 13 39-0060 EA 1-1/4" x 1" Copper Compression x Male NPT Brass Coupling.....	81.65	24.73
33 14 13 39-0061 EA 1-1/2" Copper Compression x Male NPT Brass Coupling.....	111.26	30.92
33 14 13 39-0062 EA 2" Copper Compression x Male NPT Brass Coupling.....	146.25	37.10
33 14 13 39-0063 Brass Nipples (33 14 13 39-0048)		
33 14 13 39-0064 EA 3/4" x 6" Long Brass Nipple.....	37.46	7.72
33 14 13 39-0065 EA 1" x 6" Long Brass Nipple.....	48.75	8.35
33 14 13 39-0066 EA 1-1/2" x 6" Long Brass Nipple.....	74.29	8.97
33 14 13 39-0067 Brass "H" Style Meter Insetters (33 14 13 39-0048)		
33 14 13 39-0068 EA 5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters.....	276.48	34.16
33 14 13 39-0069 EA 5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters.....	177.39	34.16
33 14 13 39-0070 Meter Setters - Resetter, Brass (33 14 13 39-0048)		
33 14 13 39-0071 EA 1" Meter, 10" High Brass Meter Setter - Resetter.....	731.99	34.16
Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		
33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)		
33 14 13 43-0001 Pipe Coatings (33 14 13 43)		
33 14 13 43-0002 Epoxy Wrap And Pipe Coating (33 14 13 43-0001)		
Note: Applied at fabrication shop.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0003	LF		8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	3.03	
33 14 13 43-0004	LF		10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	3.60	
33 14 13 43-0005	LF		12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	4.25	
33 14 13 43-0006	LF		14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	5.65	
33 14 13 43-0007	LF		16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	6.44	
33 14 13 43-0008	LF		18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	6.77	
33 14 13 43-0009	LF		20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	7.29	
33 14 13 43-0010	LF		24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	8.50	
33 14 13 43-0011	LF		30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	11.16	
33 14 13 43-0012	LF		36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	17.63	
33 14 13 43-0013	LF		42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	38.00	
33 14 13 43-0014	LF		48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	43.42	
33 14 13 43-0015	LF		54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	48.85	
33 14 13 43-0016	LF		60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	54.28	
33 14 13 43-0017	LF		66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	59.71	
33 14 13 43-0018	LF		72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	65.11	
33 14 13 43-0019	LF		78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating.....	70.56	
33 14 13 43-0020			Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)		
			Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021	LF		4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	8.48	
33 14 13 43-0022	LF		6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	10.44	
33 14 13 43-0023	LF		8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	13.05	
33 14 13 43-0024	LF		10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.54	
33 14 13 43-0025	LF		12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	16.42	
33 14 13 43-0026	LF		14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	19.21	
33 14 13 43-0027	LF		16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.83	
33 14 13 43-0028	LF		18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.63	
33 14 13 43-0029	LF		20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	27.37	
33 14 13 43-0030	LF		24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	32.83	
33 14 13 43-0031	LF		30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	41.04	
33 14 13 43-0032	LF		36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	49.25	
33 14 13 43-0033	LF		42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	57.46	
33 14 13 43-0034	LF		48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	65.67	
33 14 13 43-0035	LF		54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	73.88	
33 14 13 43-0036	LF		60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	82.08	
33 14 13 43-0037	LF		66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	90.29	
33 14 13 43-0038	LF		72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	98.50	
33 14 13 43-0039	LF		78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	106.71	
33 14 13 43-0040			Epoxy Wrap And Fitting Coating (33 14 13 43-0001)		
			Note: Applied at fabrication shop.		
33 14 13 43-0041	EA		4" Outside Diameter, Epoxy Wrap And Fitting Coating.....	10.19	
			For 1/2" Thick, Add	0.45	
33 14 13 43-0042	EA		6" Outside Diameter, Epoxy Wrap And Fitting Coating.....	12.93	
			For 1/2" Thick, Add	0.61	
33 14 13 43-0043	EA		8" Outside Diameter, Epoxy Wrap And Fitting Coating.....	18.77	
			For 1/2" Thick, Add	0.79	
33 14 13 43-0044	EA		10" Outside Diameter, Epoxy Wrap And Fitting Coating.....	31.49	
			For 1/2" Thick, Add	1.15	
33 14 13 43-0045	EA		12" Outside Diameter, Epoxy Wrap And Fitting Coating.....	48.08	
			For 1/2" Thick, Add	1.70	
33 14 13 43-0046	EA		14" Outside Diameter, Epoxy Wrap And Fitting Coating.....	75.34	
			For 1/2" Thick, Add	2.60	
33 14 13 43-0047	EA		16" Outside Diameter, Epoxy Wrap And Fitting Coating.....	115.71	
			For 1/2" Thick, Add	3.35	
33 14 13 43-0048	EA		18" Outside Diameter, Epoxy Wrap And Fitting Coating.....	156.89	
			For 1/2" Thick, Add	3.45	
33 14 13 43-0049	EA		20" Outside Diameter, Epoxy Wrap And Fitting Coating.....	213.90	
			For 1/2" Thick, Add	4.13	
33 14 13 43-0050	EA		24" Outside Diameter, Epoxy Wrap And Fitting Coating.....	311.09	
			For 1/2" Thick, Add	5.78	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 43-0051	Cement Pipe Lining <small>(33 14 13 43)</small>	
33 14 13 43-0052	Cement Pipe Lining <small>(33 14 13 43-0051)</small>	
	Note: Shop applied.	
33 14 13 43-0053	LF 4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	13.57
	<i>For 1/2" Thick, Add</i>	1.13
33 14 13 43-0054	LF 6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	16.86
	<i>For 1/2" Thick, Add</i>	1.39
33 14 13 43-0055	LF 8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	20.57
	<i>For 1/2" Thick, Add</i>	1.74
33 14 13 43-0056	LF 10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	26.70
	<i>For 1/2" Thick, Add</i>	2.17
33 14 13 43-0057	LF 12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	32.87
	<i>For 1/2" Thick, Add</i>	2.62
33 14 13 43-0058	LF 14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	42.03
	<i>For 1/2" Thick, Add</i>	3.06
33 14 13 43-0059	LF 16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	54.50
	<i>For 1/2" Thick, Add</i>	3.48
33 14 13 43-0060	LF 18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	65.15
	<i>For 1/2" Thick, Add</i>	3.34
33 14 13 43-0061	LF 20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	78.71
	<i>For 1/2" Thick, Add</i>	3.71
33 14 13 43-0062	LF 24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	95.44
	<i>For 1/2" Thick, Add</i>	4.45
33 14 13 43-0063	LF 30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	114.84
	<i>For 1/2" Thick, Add</i>	5.56
33 14 13 43-0064	LF 36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	138.20
	<i>For 1/2" Thick, Add</i>	6.67
33 14 13 43-0065	LF 42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	161.27
	<i>For 1/2" Thick, Add</i>	5.72
33 14 13 43-0066	LF 48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	184.24
	<i>For 1/2" Thick, Add</i>	6.54
33 14 13 43-0067	LF 54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	207.31
	<i>For 1/2" Thick, Add</i>	7.36
33 14 13 43-0068	LF 60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	230.38
	<i>For 1/2" Thick, Add</i>	8.18
33 14 13 43-0069	LF 66" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	253.34
	<i>For 1/2" Thick, Add</i>	4.80
33 14 13 43-0070	LF 72" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	276.41
	<i>For 1/2" Thick, Add</i>	5.23
33 14 13 43-0071	LF 78" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	299.47
	<i>For 1/2" Thick, Add</i>	5.67
33 14 13 43-0072	Cement Fitting Lining <small>(33 14 13 43-0051)</small>	
	Note: Shop applied.	
33 14 13 43-0073	EA 4" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	14.44
	<i>For 1/2" Thick, Add</i>	1.30
33 14 13 43-0074	EA 6" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	18.60
	<i>For 1/2" Thick, Add</i>	1.74
33 14 13 43-0075	EA 8" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	26.15
	<i>For 1/2" Thick, Add</i>	2.26
33 14 13 43-0076	EA 10" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	43.13
	<i>For 1/2" Thick, Add</i>	3.48
33 14 13 43-0077	EA 12" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	65.74
	<i>For 1/2" Thick, Add</i>	5.23
33 14 13 43-0078	EA 14" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	97.56
	<i>For 1/2" Thick, Add</i>	7.04
33 14 13 43-0079	EA 16" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	144.18
	<i>For 1/2" Thick, Add</i>	9.04
33 14 13 43-0080	EA 18" Outside Diameter, 5/16" Thick Cement Fittings Lining.....	195.44
	<i>For 1/2" Thick, Add</i>	10.01
33 14 13 43-0081	EA 20" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	262.24
	<i>For 1/2" Thick, Add</i>	12.35
33 14 13 43-0082	EA 24" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	381.74
	<i>For 1/2" Thick, Add</i>	17.79
33 14 13 43-0083	8 Mil Polyethylene Encasement Tubing <small>(33 14 13 43)</small>	
	Note: ANSI/AWWA C105/A21.5-99 section 4.2.	
33 14 13 43-0084	LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.70
33 14 13 43-0085	LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.76
33 14 13 43-0086	LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.32
33 14 13 43-0087	LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.16
33 14 13 43-0088	LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.67
33 14 13 43-0089	LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.25
33 14 13 43-0090	LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	9.26
33 14 13 43-0091	LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	11.03
33 14 13 43-0092	LF 54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	13.02
33 14 13 43-0093	LF 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	14.01



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001	Double Stud Stainless Steel Service Saddles <small>(33 14 13 53)</small>	
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002	EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	267.58
33 14 13 53-0003	EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	373.05
33 14 13 53-0004	EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	385.67
33 14 13 53-0005	EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	319.33
33 14 13 53-0006	EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	400.31
33 14 13 53-0007	EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	333.88
33 14 13 53-0008	EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	419.32
33 14 13 53-0009	EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	375.35
33 14 13 53-0010	EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	441.75
33 14 13 53-0011	EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	391.60
33 14 13 53-0012	EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	453.10

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	225.95
33 14 13 53-0015	EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	226.10
33 14 13 53-0016	EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	240.58
33 14 13 53-0017	EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	229.71
33 14 13 53-0018	EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	245.74
33 14 13 53-0019	EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	271.34
33 14 13 53-0020	EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	288.53
33 14 13 53-0021	EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	264.24
33 14 13 53-0022	EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	290.06
33 14 13 53-0023	EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	304.84
33 14 13 53-0024	EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	278.85
33 14 13 53-0025	EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	305.46
33 14 13 53-0026	EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.19
33 14 13 53-0027	EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	293.93
33 14 13 53-0028	EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	319.81
33 14 13 53-0029	EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	334.34
33 14 13 53-0030	EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	483.10
33 14 13 53-0031	EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	495.72
33 14 13 53-0032	EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	317.89
33 14 13 53-0033	EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	348.99
33 14 13 53-0034	EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	362.53
33 14 13 53-0035	EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	570.44
33 14 13 53-0036	EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	354.87
33 14 13 53-0037	EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	392.04
33 14 13 53-0038	EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	635.64
33 14 13 53-0039	EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	385.43
33 14 13 53-0040	EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	424.70
33 14 13 53-0041	EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	440.03
33 14 13 53-0042	EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	707.99
33 14 13 53-0043	EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	447.83
33 14 13 53-0044	EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	478.75
33 14 13 53-0045	EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	514.86
33 14 13 53-0046	EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	866.39
33 14 13 53-0047	EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	460.44
33 14 13 53-0048	EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	522.48
33 14 13 53-0049	EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	544.19
33 14 13 53-0050	EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	930.40
33 14 13 53-0051	EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	481.05
33 14 13 53-0052	EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	545.33
33 14 13 53-0053	EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	567.60
33 14 13 53-0054	EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	968.10
33 14 13 53-0055	EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	531.18
33 14 13 53-0056	EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	612.60
33 14 13 53-0057	EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	603.35
33 14 13 53-0058	EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	667.22
33 14 13 53-0059	EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	629.98
33 14 13 53-0060	EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	709.96

33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	309.79
33 14 13 53-0063	EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	338.26
33 14 13 53-0064	EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	351.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0065	EA		6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	380.69	
33 14 13 53-0066	EA		8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	391.30	
33 14 13 53-0067	EA		8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	411.23	
33 14 13 53-0068	EA		10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	380.50	
33 14 13 53-0069	EA		10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	404.45	
33 14 13 53-0070	EA		12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	479.11	
33 14 13 53-0071	EA		12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	517.50	
33 14 13 53-0072	EA		14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	712.83	
33 14 13 53-0073	EA		14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	803.70	
33 14 13 53-0074	EA		16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	827.63	
33 14 13 53-0075	EA		16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	922.30	
33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)					
Note: Taps are compression or NPT.					
33 14 13 53-0077	EA		4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	324.86	
33 14 13 53-0078	EA		4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	357.28	
33 14 13 53-0079	EA		6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	369.75	
33 14 13 53-0080	EA		6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	401.02	
33 14 13 53-0081	EA		8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	413.30	
33 14 13 53-0082	EA		8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	434.41	
33 14 13 53-0083	EA		10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	464.37	
33 14 13 53-0084	EA		10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	496.60	
33 14 13 53-0085	EA		12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	499.27	
33 14 13 53-0086	EA		12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	540.26	
33 14 13 53-0087	EA		14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	762.79	
33 14 13 53-0088	EA		14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	874.35	
33 14 13 53-0089	EA		16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	886.91	
33 14 13 53-0090	EA		16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	965.32	
33 14 13 53-0091	EA		18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	1,894.55	
33 14 13 53-0092	EA		18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	1,894.55	
33 14 13 53-0093	EA		20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	1,966.67	
33 14 13 53-0094	EA		20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	1,966.67	
33 14 13 53-0095	EA		24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	2,110.96	
33 14 13 53-0096	EA		24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	2,110.96	
33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)					
33 14 13 53-0098	EA		4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,432.84	
33 14 13 53-0099	EA		6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,730.95	
33 14 13 53-0100	EA		8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,067.90	
33 14 13 53-0101	EA		8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,186.68	
33 14 13 53-0102	EA		10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,303.18	
33 14 13 53-0103	EA		10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,468.77	
33 14 13 53-0104	EA		10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,540.68	
33 14 13 53-0105	EA		12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,492.43	
33 14 13 53-0106	EA		12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,657.36	
33 14 13 53-0107	EA		12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	4,057.02	
33 14 13 53-0108	EA		12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	4,159.63	
33 14 13 53-0109	EA		14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,919.92	
33 14 13 53-0110	EA		14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,106.08	
33 14 13 53-0111	EA		14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,190.65	
33 14 13 53-0112	EA		14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,227.89	
33 14 13 53-0113	EA		14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,492.81	
33 14 13 53-0114	EA		16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,483.43	
33 14 13 53-0115	EA		16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,508.69	
33 14 13 53-0116	EA		16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,716.54	
33 14 13 53-0117	EA		16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,766.74	
33 14 13 53-0118	EA		16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	7,821.83	
33 14 13 53-0119	EA		16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,951.34	
33 14 13 53-0120	EA		16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	8,205.09	
33 14 13 53-0121	EA		18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,395.03	
33 14 13 53-0122	EA		18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,862.42	
33 14 13 53-0123	EA		18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	10,998.34	
33 14 13 53-0124	EA		18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,404.74	
33 14 13 53-0125	EA		20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,747.34	
33 14 13 53-0126	EA		20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,395.02	
33 14 13 53-0127	EA		20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,574.26	
33 14 13 53-0128	EA		20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,645.19	
33 14 13 53-0129	EA		20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	9,992.39	
33 14 13 53-0130	EA		20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	13,476.44	
33 14 13 53-0131	EA		20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	13,742.18	
33 14 13 53-0132	EA		24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,770.04	
33 14 13 53-0133	EA		24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,933.84	
33 14 13 53-0134	EA		24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	11,981.45	
33 14 13 53-0135	EA		24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,549.99	
33 14 13 53-0136	EA		24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,764.41	
33 14 13 53-0137	EA		24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	16,814.88	
33 14 13 53-0138	EA		24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	17,275.20	
33 14 13 53-0139	EA		24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	17,495.53	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0140	Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small>		
33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,180.52
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,256.50
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,372.54
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,414.52
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,473.04
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,688.63
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,545.22
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,602.22
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,791.89
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,462.85
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,739.19
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,822.19
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,008.86
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,610.05
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,843.78
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,280.03
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,348.91
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,748.00
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,242.47
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,564.46
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,705.27
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,776.35
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,040.97
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,747.65
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,915.65
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,873.09
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,000.79
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,177.70
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,009.03
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,176.84
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,463.60
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,534.52
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,929.91
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,597.61
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,881.68
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,740.49
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,894.37
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,101.70
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,048.85
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,223.77

33 14 13 53-0181	Stainless Steel Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small>		
33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,361.57
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,485.17
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,571.80
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,605.80
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,705.40
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,000.35
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,841.35
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,951.64
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,216.14
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,980.13
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,102.73
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,252.61
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,601.62
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,055.94
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,403.59
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,399.81
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,583.37
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,976.20
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,430.96
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,672.08
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,922.85
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,173.33
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,364.49
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,853.37
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,185.42
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,224.28
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,598.00
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,797.46
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,227.21
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,795.36
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,484.34
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,857.10
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,019.39
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,818.00
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,263.09



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0217 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,123.50	
33 14 13 53-0218 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,177.64	
33 14 13 53-0219 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,372.00	
33 14 13 53-0220 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,325.01	
33 14 13 53-0221 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,834.27	
33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0223 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	342.11	66.41
33 14 13 53-0224 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	428.73	83.74
33 14 13 53-0225 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	564.66	115.51
33 14 13 53-0226 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	729.40	135.72
33 14 13 53-0227 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,135.16	153.04
33 14 13 53-0228 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,268.53	173.25
33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0230 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	493.97	66.41
33 14 13 53-0231 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	584.99	83.74
33 14 13 53-0232 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	781.72	115.51
33 14 13 53-0233 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	955.31	135.72
33 14 13 53-0234 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,164.14	153.04
33 14 13 53-0235 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,355.68	173.25
33 14 13 53-0236 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,608.03	190.58
33 14 13 53-0237 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,901.41	207.91
33 14 13 53-0238 EA 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,242.63	228.70
33 14 13 53-0239 EA 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,646.94	251.57
33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)		
33 14 13 53-0241 EA 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	438.89	83.74
33 14 13 53-0242 EA 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	589.73	115.51
33 14 13 53-0243 EA 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	654.38	135.72
33 14 13 53-0244 EA 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	947.60	153.04
33 14 13 53-0245 EA 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,203.14	173.25
33 14 13 53-0246 EA 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,348.80	190.58
33 14 13 53-0247 EA 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,582.69	207.91
33 14 13 53-0248 EA 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,775.35	228.70
33 14 13 53-0249 EA 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,129.54	251.57
33 14 13 53-0250 EA 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,560.70	276.75
33 14 13 53-0251 EA 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,286.02	304.35
33 14 13 53-0252 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,120.73	334.84
33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)		
33 14 13 53-0254 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	157.49	46.21
33 14 13 53-0255 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	193.90	54.86
33 14 13 53-0256 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	239.78	66.41
33 14 13 53-0257 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	301.17	83.74
33 14 13 53-0258 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	402.47	115.51
33 14 13 53-0259 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	488.18	135.72
33 14 13 53-0260 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	607.02	153.04
33 14 13 53-0261 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	708.87	173.25
33 14 13 53-0262 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	987.35	190.58
33 14 13 53-0263 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,226.48	207.91
33 14 19 Valves and Hydrants for Water Utility Service (33 14)		
Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.		
33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0002 Angle Valves (33 14 19 00-0001)		
Note: For connecting meters to water service.		
33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)		
Note: Nibco T-335Y		
33 14 19 00-0004 EA 1/2" Threaded, Class 150, Bronze Angle Valve	103.58	19.78
33 14 19 00-0005 EA 3/4" Threaded, Class 150, Bronze Angle Valve	139.71	26.59
33 14 19 00-0006 EA 1" Threaded, Class 150, Bronze Angle Valve	187.43	32.76
33 14 19 00-0007 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve	241.17	41.18
33 14 19 00-0008 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve	300.36	47.61
33 14 19 00-0009 EA 2" Threaded, Class 150, Bronze Angle Valve	445.06	55.64
33 14 19 00-0010 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve	709.97	75.96
33 14 19 00-0011 EA 3" Threaded, Class 150, Bronze Angle Valve	1,072.04	87.69
33 14 19 00-0012 Butterfly Valves (33 14 19 00-0001)		



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 19 00-0013	Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0012)			
	Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin			
33 14 19 00-0014	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8 Modified)	2,140.02	210.21
33 14 19 00-0015	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8 Modified)	2,394.27	210.21
33 14 19 00-0016	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8 Modified)	2,408.86	325.38
33 14 19 00-0017	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8 Modified)	2,660.94	325.38
33 14 19 00-0018	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8 Modified)	2,766.16	386.16
33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8 Modified)	3,018.24	386.16
33 14 19 00-0020	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8 Modified)	3,125.03	493.43
33 14 19 00-0021	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8 Modified)	3,375.66	493.43
33 14 19 00-0022	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8 Modified)	3,919.21	600.70
33 14 19 00-0023	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8)	3,919.21	600.70
33 14 19 00-0024	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD8 Modified)	4,485.58	728.11
33 14 19 00-0025	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW8 Modified)	4,737.65	728.11
33 14 19 00-0026	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD12 Modified)	6,015.04	1,027.99
33 14 19 00-0027	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW12 Modified)	6,674.21	1,027.99
33 14 19 00-0028	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD16 Modified)	7,008.43	1,130.79
33 14 19 00-0029	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW20 Modified)	7,816.81	1,130.79
33 14 19 00-0030	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD24 Modified)	8,790.99	1,254.15
33 14 19 00-0031	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW24 Modified)	9,647.18	1,254.15
33 14 19 00-0032	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-HD24 Modified)	10,075.26	1,413.48
33 14 19 00-0033	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S2*GS-6B-CW24 Modified)	10,930.00	1,413.48
33 14 19 00-0034	Lug Type Flanged, Ductile Iron Disc, Butterfly Valves (33 14 19 00-0012)			
	Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin			
33 14 19 00-0035	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	16,853.89	1,734.73
33 14 19 00-0036	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,143.41	1,734.73
33 14 19 00-0037	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	16,803.04	1,734.73
33 14 19 00-0038	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	27,599.23	2,740.11
33 14 19 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	54,601.01	3,653.50



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0040 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	64,543.57	5,480.23
33 14 19 00-0041 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	81,881.79	6,850.29
33 14 19 00-0042 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	114,426.40	8,220.35
33 14 19 00-0043 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	143,391.31	9,864.42
33 14 19 00-0044 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	205,789.23	11,837.30
33 14 19 00-0045 LF 3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel	19.00	
33 14 19 00-0046 EA 316 Stainless Steel Closing Link For Use With Dezurik Chainwheel	10.00	
Note: One required per valve.		
33 14 19 00-0047	Check Valves <small>(33 14 19 00-0001)</small>	
33 14 19 00-0048	Flanged, Swing Type Gravity Operated Check Valves <small>(33 14 19 00-0047)</small>	
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0049 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,409.63	165.14
33 14 19 00-0050 EA 3" Flanged, Swing Type Gravity Operated Check Valve	1,444.87	193.61
33 14 19 00-0051 EA 4" Flanged, Swing Type Gravity Operated Check Valve	1,970.69	244.86
33 14 19 00-0052 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve	2,783.10	368.43
33 14 19 00-0053 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve	2,884.22	411.46
33 14 19 00-0054 EA 6" Flanged, Swing Type Gravity Operated Check Valve	2,745.45	409.99
33 14 19 00-0055 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,604.13	466.04
33 14 19 00-0056 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve	3,753.59	523.88
33 14 19 00-0057 EA 8" Flanged, Swing Type Gravity Operated Check Valve	3,916.45	523.88
33 14 19 00-0058 EA 10" Flanged, Swing Type Gravity Operated Check Valve	6,656.77	637.77
33 14 19 00-0059 EA 12" Flanged, Swing Type Gravity Operated Check Valve	10,128.92	478.33
33 14 19 00-0060 EA 14" Flanged, Swing Type Gravity Operated Check Valve	14,258.22	1,027.99
33 14 19 00-0061 EA 16" Flanged, Swing Type Gravity Operated Check Valve	18,996.41	1,130.79
33 14 19 00-0062 EA 18" Flanged, Swing Type Gravity Operated Check Valve	27,609.95	1,254.15
33 14 19 00-0063 EA 20" Flanged, Swing Type Gravity Operated Check Valve	32,151.46	1,413.48
33 14 19 00-0064	Combination Air Release Valves <small>(33 14 19 00-0001)</small>	
33 14 19 00-0065 EA 1" Combination Air Release Valve	630.38	23.92
33 14 19 00-0066 EA 2" Combination Air Release Valve	1,017.51	41.00
33 14 19 00-0067	Corporation Stop And Curb Valve <small>(33 14 19 00-0001)</small>	
Note: AWWA C800		
33 14 19 00-0068	Ball Corporation Valves <small>(33 14 19 00-0067)</small>	
Note: Mueller B-25000.		
33 14 19 00-0069 EA 3/4" Ball Corporation Valve (Mueller B-25000)	84.53	23.92
33 14 19 00-0070 EA 1" Ball Corporation Valve (Mueller B-25000)	106.01	29.61
33 14 19 00-0071 EA 1-1/2" Ball Corporation Valve (Mueller B-25000)	186.48	43.27
33 14 19 00-0072 EA 2" Ball Corporation Valve (Mueller B-25000)	276.20	51.25
33 14 19 00-0073	Gate Valve, AWWA C500 And C509 <small>(33 14 19 00-0001)</small>	
33 14 19 00-0074	Gate Valve, Flanged <small>(33 14 19 00-0073)</small>	
Note: Mueller A-2380-6.		
33 14 19 00-0075 EA 2" Gate Valve, Flanged	868.28	151.81
33 14 19 00-0076 EA 2-1/2" Gate Valve, Flanged	1,017.20	165.14
33 14 19 00-0077 EA 3" Gate Valve, Flanged	1,203.72	193.61
33 14 19 00-0078 EA 4" Gate Valve, Flanged	1,559.51	242.58
33 14 19 00-0079 EA 6" Gate Valve, Flanged	1,950.51	409.99
33 14 19 00-0080 EA 8" Gate Valve, Flanged	2,895.07	523.88
33 14 19 00-0081 EA 10" Gate Valve, Flanged	4,363.63	637.77
33 14 19 00-0082 EA 12" Gate Valve, Flanged	5,262.58	478.33
33 14 19 00-0083 EA 14" Gate Valve, Flanged	11,568.67	1,027.99
33 14 19 00-0084 EA 16" Gate Valve, Flanged	15,155.53	1,130.79
33 14 19 00-0085 EA 18" Gate Valve, Flanged	24,061.03	1,254.15
33 14 19 00-0086 EA 20" Gate Valve, Flanged	28,781.82	1,413.48
33 14 19 00-0087	Resilient Wedge Gate Valve, Flanged <small>(33 14 19 00-0073)</small>	
Note: Mueller A-2360-6.		
33 14 19 00-0088 EA 2" Resilient Wedge Gate Valve, Flanged	829.91	151.81
33 14 19 00-0089 EA 2-1/2" Resilient Wedge Gate Valve, Flanged	971.35	165.14
33 14 19 00-0090 EA 3" Resilient Wedge Gate Valve, Flanged	1,149.30	193.61
33 14 19 00-0091 EA 4" Resilient Wedge Gate Valve, Flanged	1,498.68	242.58
33 14 19 00-0092 EA 6" Resilient Wedge Gate Valve, Flanged	1,869.20	409.99
33 14 19 00-0093 EA 8" Resilient Wedge Gate Valve, Flanged	2,768.04	523.88

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0094 EA 10" Resilient Wedge Gate Valve, Flanged.....	4,161.78	637.77
33 14 19 00-0095 EA 12" Resilient Wedge Gate Valve, Flanged.....	5,018.86	478.33
33 14 19 00-0096 Gate Valve, Mechanical Joint (33 14 19 00-0073)		
Note: Mueller A-2380-20.		
33 14 19 00-0097 EA 2" Gate Valve, Mechanical Joint.....	1,016.64	121.29
33 14 19 00-0098 EA 2-1/2" Gate Valve, Mechanical Joint.....	1,098.60	152.04
33 14 19 00-0099 EA 3" Gate Valve, Mechanical Joint.....	1,381.33	183.93
33 14 19 00-0100 EA 4" Gate Valve, Mechanical Joint.....	1,644.43	242.58
33 14 19 00-0101 EA 6" Gate Valve, Mechanical Joint.....	2,070.05	284.72
33 14 19 00-0102 EA 8" Gate Valve, Mechanical Joint.....	3,017.86	341.66
33 14 19 00-0103 EA 10" Gate Valve, Mechanical Joint.....	4,425.22	398.61
33 14 19 00-0104 EA 12" Gate Valve, Mechanical Joint.....	5,542.30	478.33
33 14 19 00-0105 EA 14" Gate Valve, Mechanical Joint.....	12,305.87	629.64
33 14 19 00-0106 EA 16" Gate Valve, Mechanical Joint.....	15,937.07	706.74
33 14 19 00-0107 EA 18" Gate Valve, Mechanical Joint.....	25,459.34	783.84
33 14 19 00-0108 EA 20" Gate Valve, Mechanical Joint.....	30,292.26	883.43
33 14 19 00-0109 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0073)		
Note: Mueller A-2360-20.		
33 14 19 00-0110 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	972.82	121.29
33 14 19 00-0111 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	1,323.96	183.93
33 14 19 00-0112 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	1,578.81	242.58
33 14 19 00-0113 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	1,985.12	284.72
33 14 19 00-0114 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	2,885.74	341.66
33 14 19 00-0115 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	4,219.88	398.61
33 14 19 00-0116 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	5,282.69	478.33
33 14 19 00-0117 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0073)		
Note: Mueller A-2361.		
33 14 19 00-0118 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,255.48	1,027.99
33 14 19 00-0119 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,976.01	1,130.79
33 14 19 00-0120 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	13,944.20	1,254.15
33 14 19 00-0121 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	16,634.76	1,413.48
33 14 19 00-0122 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	23,599.61	1,734.73
33 14 19 00-0123 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0073)		
Note: NIBCO T-113.		
33 14 19 00-0124 EA 1/4" Gate Valve, Bronze, Threaded.....	61.69	19.91
33 14 19 00-0125 EA 3/8" Gate Valve, Bronze, Threaded.....	63.58	19.91
33 14 19 00-0126 EA 1/2" Gate Valve, Bronze, Threaded.....	63.13	19.91
33 14 19 00-0127 EA 3/4" Gate Valve, Bronze, Threaded.....	81.48	26.90
33 14 19 00-0128 EA 1" Gate Valve, Bronze, Threaded.....	100.38	32.52
33 14 19 00-0129 EA 1-1/4" Gate Valve, Bronze, Threaded.....	136.02	41.18
33 14 19 00-0130 EA 1-1/2" Gate Valve, Bronze, Threaded.....	157.80	47.61
33 14 19 00-0131 EA 2" Gate Valve, Bronze, Threaded.....	191.27	55.64
33 14 19 00-0132 EA 2-1/2" Gate Valve, Bronze, Threaded.....	364.18	75.96
33 14 19 00-0133 EA 3" Gate Valve, Bronze, Threaded.....	436.07	87.13
33 14 19 00-0134 Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0135 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0134)		
Note: NIBCO T-235.		
33 14 19 00-0136 EA 1/8" Globe Valve, Threaded.....	86.52	19.91
33 14 19 00-0137 EA 1/4" Globe Valve, Threaded.....	82.72	19.91
33 14 19 00-0138 EA 3/8" Globe Valve, Threaded.....	84.61	19.91
33 14 19 00-0139 EA 1/2" Globe Valve, Threaded.....	86.52	19.91
33 14 19 00-0140 EA 3/4" Globe Valve, Threaded.....	117.49	26.90
33 14 19 00-0141 EA 1" Globe Valve, Threaded.....	164.13	32.52
33 14 19 00-0142 EA 1-1/4" Globe Valve, Threaded.....	239.07	41.18
33 14 19 00-0143 EA 1-1/2" Globe Valve, Threaded.....	285.17	47.61
33 14 19 00-0144 EA 2" Globe Valve, Threaded.....	396.41	55.64
33 14 19 00-0145 EA 2-1/2" Globe Valve, Threaded.....	724.08	75.96
33 14 19 00-0146 EA 3" Globe Valve, Threaded.....	989.08	87.58
33 14 19 00-0147 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0148 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0147)		
Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0149 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,234.07	151.81
33 14 19 00-0150 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,590.23	193.61
33 14 19 00-0151 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,932.86	242.58
33 14 19 00-0152 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,521.04	409.99
33 14 19 00-0153 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,626.76	523.88
33 14 19 00-0154 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,252.82	637.77
33 14 19 00-0155 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	7,766.36	478.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0156 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	14,144.06	1,027.99
33 14 19 00-0157 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	17,882.65	1,130.79
33 14 19 00-0158 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	28,896.67	1,254.15
33 14 19 00-0159 Accessories For Valves (33 14 19)		
33 14 19 00-0160 EA 1' Valve Extension Stem	120.34	
For Each Additional LF, Add	8.72	
33 14 19 00-0161 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly	1,660.75	113.89
Note: Excludes valve.		
33 14 19 00-0162 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,883.64	125.28
Note: Excludes valve.		
33 14 19 00-0163 EA Adjust Water Valve Box To Grade	113.89	
33 14 19 00-0164 Utility Box (33 14 19)		
Note: Christy Concrete Products.		
33 14 19 00-0165 B3 Utility Box, 9-3/8" x 15-1/2" (33 14 19 00-0164)		
33 14 19 00-0166 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box	124.85	56.81
33 14 19 00-0167 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	125.41	6.31
33 14 19 00-0168 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	52.30	6.31
33 14 19 00-0169 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	274.04	6.31
33 14 19 00-0170 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	74.23	12.63
33 14 19 00-0171 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	106.53	12.63
33 14 19 00-0172 B9 Utility Box, 10-1/4" x 17-1/4" (33 14 19 00-0164)		
33 14 19 00-0173 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box	151.54	75.74
33 14 19 00-0174 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	146.90	7.57
33 14 19 00-0175 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	58.05	7.57
33 14 19 00-0176 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	287.49	6.31
33 14 19 00-0177 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	83.11	12.63
33 14 19 00-0178 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	111.37	18.94
33 14 19 00-0179 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	132.29	34.71
33 14 19 00-0180 B12 Utility Box, 12" x 20" (33 14 19 00-0164)		
33 14 19 00-0181 EA 12" x 20" Precast Concrete Utility Box	166.58	82.05
33 14 19 00-0182 EA Cast Iron Lid For 12" x 20" Utility Box	264.41	9.47
33 14 19 00-0183 EA Reinforced Concrete Lid For 12" x 20" Utility Box	77.93	12.63
33 14 19 00-0184 EA Steel Checkered Plate Cover For 12" x 20" Utility Box	386.76	12.63
33 14 19 00-0185 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box	172.47	44.18
33 14 19 00-0186 B16 Utility Box, 12" x 22-1/4" (33 14 19 00-0164)		
33 14 19 00-0187 EA 12" x 22-1/4" Precast Concrete Utility Box	191.77	95.94
33 14 19 00-0188 EA Cast Iron Lid For 12" x 22-1/4" Utility Box	298.81	12.63
33 14 19 00-0189 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	96.24	12.63
33 14 19 00-0190 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	388.95	12.63
33 14 19 00-0191 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	135.24	21.46
33 14 19 00-0192 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	175.51	44.18
33 14 19 00-0193 B30 Utility Box, 13-1/4" x 24" (33 14 19 00-0164)		
33 14 19 00-0194 EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	230.99	113.61
33 14 19 00-0195 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	129.72	20.20
33 14 19 00-0196 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	480.86	16.41
33 14 19 00-0197 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	135.24	21.46
33 14 19 00-0198 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	207.24	35.34
33 14 19 00-0199 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	161.76	23.98
33 14 19 00-0200 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	227.40	56.81
33 14 19 00-0201 B36 Utility Box, 17-1/4" x 30" (33 14 19 00-0164)		
33 14 19 00-0202 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	301.82	143.91
33 14 19 00-0203 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	211.40	34.71
33 14 19 00-0204 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	602.86	23.98
33 14 19 00-0205 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	190.81	45.44
33 14 19 00-0206 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	322.29	50.50
33 14 19 00-0207 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	303.56	73.21
33 14 19 00-0208 B40 Utility Box, 24-1/2" x 36" (33 14 19 00-0164)		
33 14 19 00-0209 EA 24-1/2" x 36" Precast Concrete Utility Box	623.60	222.17
33 14 19 00-0210 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	578.23	83.31
33 14 19 00-0211 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	856.35	36.61
33 14 19 00-0212 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	473.01	78.27
33 14 19 00-0213 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	501.81	82.05

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0214 B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 14 19 00-0164)</small>		
33 14 19 00-0215 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	789.28	252.47
33 14 19 00-0216 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	797.54	137.59
33 14 19 00-0217 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....	1,004.79	137.59
33 14 19 00-0218 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,355.86	63.11
33 14 19 00-0219 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	688.68	170.42
33 14 19 00-0220 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	620.53	114.88
33 14 19 00-0221 Fire Hydrants <small>(33 14 19)</small>		
Note: Breakaway type.		
33 14 19 00-0222 Three Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0223 EA 1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,581.26	300.35
33 14 19 00-0224 EA 2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,647.77	300.35
33 14 19 00-0225 EA 2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,714.45	300.35
33 14 19 00-0226 EA 3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,802.26	321.80
33 14 19 00-0227 EA 3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,868.84	321.80
33 14 19 00-0228 EA 4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,962.30	348.62
33 14 19 00-0229 EA 4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,028.77	348.62
33 14 19 00-0230 EA 5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,122.24	375.43
33 14 19 00-0231 EA 5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,188.81	375.43
33 14 19 00-0232 EA 6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,282.10	402.25
33 14 19 00-0233 EA 6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,375.47	429.07
33 14 19 00-0234 EA 7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,495.55	482.70
33 14 19 00-0235 EA 1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,641.96	300.35
33 14 19 00-0236 EA 2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,728.27	300.35
33 14 19 00-0237 EA 2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,814.37	300.35
33 14 19 00-0238 EA 3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,921.92	321.80
33 14 19 00-0239 EA 3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,008.02	321.80
33 14 19 00-0240 EA 4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,121.26	348.62
33 14 19 00-0241 EA 4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,207.25	348.62
33 14 19 00-0242 EA 5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,320.25	375.43
33 14 19 00-0243 EA 5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,406.33	375.43
33 14 19 00-0244 EA 6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,519.10	402.25
33 14 19 00-0245 EA 6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,632.23	429.07
33 14 19 00-0246 EA 7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,771.81	482.70
33 14 19 00-0247 Two Way, Standard (Traditional) Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0248 EA 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,216.18	300.35
33 14 19 00-0249 EA 2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,282.46	300.35
33 14 19 00-0250 EA 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,349.12	300.35
33 14 19 00-0251 EA 3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,437.21	321.80
33 14 19 00-0252 EA 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,503.57	321.80
33 14 19 00-0253 EA 4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,596.88	348.62
33 14 19 00-0254 EA 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,663.45	348.62
33 14 19 00-0255 EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,756.98	375.43
33 14 19 00-0256 EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,823.41	375.43
33 14 19 00-0257 EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,917.06	402.25
33 14 19 00-0258 EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,010.01	429.07
33 14 19 00-0259 EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,130.23	482.70
33 14 19 00-0260 EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,309.94	300.35
33 14 19 00-0261 EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,396.06	300.35
33 14 19 00-0262 EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,482.05	300.35
33 14 19 00-0263 EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,589.82	321.80
33 14 19 00-0264 EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,675.70	321.80
33 14 19 00-0265 EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,788.79	348.62
33 14 19 00-0266 EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,874.72	348.62
33 14 19 00-0267 EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,988.00	375.43
33 14 19 00-0268 EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,073.88	375.43
33 14 19 00-0269 EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,186.95	402.25
33 14 19 00-0270 EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,299.66	429.07
33 14 19 00-0271 EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,439.71	482.70
33 14 19 00-0272 Three Way, Modern Model Fire Hydrant <small>(33 14 19 00-0221)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0273 EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,736.48	300.35
33 14 19 00-0274 EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,822.47	300.35
33 14 19 00-0275 EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,908.72	300.35
33 14 19 00-0276 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,016.32	321.80
33 14 19 00-0277 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,102.37	321.80
33 14 19 00-0278 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,215.29	348.62
33 14 19 00-0279 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,301.46	348.62
33 14 19 00-0280 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,414.39	375.43
33 14 19 00-0281 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,500.47	375.43
33 14 19 00-0282 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,613.39	375.43
33 14 19 00-0283 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,726.57	429.07



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0284 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,865.25	429.07
33 14 19 00-0285 Two Way, Modern Model Fire Hydrant ^(33 14 19 00-0221)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0286 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,658.22	300.35
33 14 19 00-0287 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant	2,723.66	300.35
33 14 19 00-0288 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,789.83	300.35
33 14 19 00-0289 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant	2,875.95	321.80
33 14 19 00-0290 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,941.37	321.80
33 14 19 00-0291 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant	3,033.61	348.62
33 14 19 00-0292 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,099.01	348.62
33 14 19 00-0293 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant	3,191.32	375.43
33 14 19 00-0294 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,256.55	375.43
33 14 19 00-0295 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant	3,348.81	402.25
33 14 19 00-0296 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,441.14	429.07
33 14 19 00-0297 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant	3,559.38	482.70
33 14 19 00-0298 Fire Hydrant Extension Kits ^(33 14 19 00-0221)		
33 14 19 00-0299 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	554.47	26.82
33 14 19 00-0300 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	658.84	33.52
33 14 19 00-0301 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	718.67	40.22
33 14 19 00-0302 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	816.94	49.61
33 14 19 00-0303 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,233.21	51.63
33 14 19 00-0304 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,317.11	53.63
33 14 19 00-0305 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,337.18	56.31
33 14 19 00-0306 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,412.36	60.34
33 14 19 00-0307 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,557.19	72.40
33 14 19 00-0308 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,643.48	87.15
33 14 19 00-0309 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	616.81	30.03
33 14 19 00-0310 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	730.43	36.47
33 14 19 00-0311 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	838.20	43.98
33 14 19 00-0312 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	937.13	54.70
33 14 19 00-0313 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,282.84	56.85
33 14 19 00-0314 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,367.81	58.99
33 14 19 00-0315 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,426.34	62.21
33 14 19 00-0316 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,668.25	66.50
33 14 19 00-0317 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,828.41	79.37
33 14 19 00-0318 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,921.43	95.47
33 14 19 00-0319 Removal And Reinstallation Of Standard Fire Hydrant ^(33 14 19 00-0221)		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0320 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	858.13	
33 14 19 00-0321 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	1,251.45	
33 14 19 00-0322 EA Reset Fire Hydrant Upper Barrel	1,256.81	
Note: Includes Safety Repair Kit		
33 14 19 00-0323 Yard Hydrants ^(33 14 19)		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0324 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	374.32	37.10
33 14 19 00-0325 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	401.85	37.10
33 14 19 00-0326 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	429.37	37.10
33 14 19 00-0327 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	347.08	46.99
33 14 19 00-0328 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	363.50	46.99
33 14 19 00-0329 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	379.91	46.99
33 14 19 00-0330 Sanitary Yard Hydrants ^(33 14 19)		
Note: With 3/4" hose thread outlet.		
33 14 19 00-0331 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,677.95	77.28
33 14 19 00-0332 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,763.97	77.28
33 14 19 00-0333 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,849.98	77.28
33 14 19 00-0334 Flushing Hydrants ^(33 14 19)		
33 14 19 00-0335 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	873.30	47.97
33 14 23 Enclosures for Water Utility Piping and Valves ^(33 14)		
Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0385 for Enclosures.		
33 14 23 00-0001 Roadway Or Curb Valve Boxes ^(33 14 23)		
See CSI section 22 05 19 00-0000 for metering.		
33 14 23 00-0002 Round Head, Cast Iron Service, Roadway Or Valve Boxes ^(33 14 23 00-0001)		
33 14 23 00-0003 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	273.84	15.03
Note: Includes cover, top section and bottom section.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0004 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	319.39	15.03
Note: Includes cover, top section and bottom section.		
33 14 23 00-0005 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	321.48	15.03
Note: Includes cover, top section and bottom section.		
33 14 23 00-0006 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	80.75	7.52
33 14 23 00-0007 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	92.81	7.52
33 14 23 00-0008 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	110.96	7.52
33 14 23 00-0009 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	414.93	18.79
Note: Includes cover, top section and bottom section.		
33 14 23 00-0010 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	721.86	26.31
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0011 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	806.82	26.31
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0012 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	431.78	18.79
Note: Includes cover, top section and bottom section.		
33 14 23 00-0013 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	452.07	18.79
Note: Includes cover, top section and bottom section.		
33 14 23 00-0014 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	436.57	18.79
Note: Includes cover, top section and bottom section.		
33 14 23 00-0015 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	157.85	7.52
33 14 23 00-0016 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	261.62	30.92
33 14 23 00-0017 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	270.84	32.15
33 14 23 00-0018 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	301.61	33.39
33 14 23 00-0019 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	418.42	35.24
33 14 23 00-0020 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	505.77	37.10
33 14 23 00-0021 EA 18" Cast Iron Service Box Extension Section	119.34	
33 14 23 00-0022 Plastic Roadway Grade Water Meter Box And Cover (33 14 23 00-0001)		
33 14 23 00-0023 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	507.92	43.28
33 14 23 00-0024 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	384.53	30.92
33 14 23 00-0025 EA Cast Iron Lid For Plastic Meter Box	119.41	
33 14 23 00-0026 Traffic Valve Box And Lid (33 14 23 00-0001)		
33 14 23 00-0027 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	223.44	
33 14 23 00-0028 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	722.17	
33 16 Water Utility Storage Tanks (33 10)		
33 16 23 Ground-Level Steel Water Storage Tanks (33 16)		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19 Water Utility Metering Equipment (33 10)		
33 19 13 Positive Displacement Water Meters (33 19)		
33 19 13 23 Nutating Disc Water Meters (33 19 13)		
33 19 13 23-0001 Bronze Disk Type Water Service Meters (33 19 13 23)		
33 19 13 23-0002 EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	321.02	64.30
33 19 13 23-0003 EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	403.42	76.67
33 19 13 23-0004 EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	541.56	87.79
33 19 13 23-0005 EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,053.10	131.07
33 19 13 23-0006 EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,426.82	170.64
33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 13 23)		
33 19 13 23-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	583.75	64.30
For Owner Furnished Material, Deduct	-518.66	
33 19 13 23-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	665.63	76.67
For Owner Furnished Material, Deduct	-588.35	
33 19 13 23-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	991.09	87.79
For Owner Furnished Material, Deduct	-902.76	
33 19 13 23-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,677.24	131.07
For Owner Furnished Material, Deduct	-1,545.70	
33 19 13 23-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	2,076.49	170.64
For Owner Furnished Material, Deduct	-1,904.75	
33 19 13 23-0013 EA Electronic Transmitter.....	472.94	30.92
Note: For use with transmitting meter valve.		
For Owner Furnished Material, Deduct	-442.02	
33 19 16 Velocity-Type Water Meters (33 19)		
33 19 16 23 Turbine Water Meters (33 19 16)		
33 19 16 23-0001 Flanged Turbine Water Service Meter (33 19 16 23)		
33 19 16 23-0002 Vertical Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0003 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	1,024.80	119.58
33 19 16 23-0004 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	1,437.00	151.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 16 23-0005 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	2,691.15	193.61
33 19 16 23-0006 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	4,018.55	302.93
33 19 16 23-0007 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	7,552.37	409.99
33 19 16 23-0008 Horizontal Turbine Meters <small>(33 19 16 23-0001)</small>		
33 19 16 23-0009 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	1,608.10	119.58
33 19 16 23-0010 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,269.73	151.81
33 19 16 23-0011 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,025.01	193.61
33 19 16 23-0012 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	4,459.86	302.93
33 19 16 23-0013 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	9,160.28	409.99
33 19 16 23-0014 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	12,242.32	523.88
33 19 16 23-0015 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	17,074.89	637.77
33 19 16 23-0016 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	20,653.34	1,005.62
33 19 19 Compound Water Meters <small>(33 19)</small>		
33 19 19 00-0001 Flanged Compound Type Water Service Meter <small>(33 19 19)</small>		
33 19 19 00-0002 EA 2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	4,269.07	151.81
33 19 19 00-0003 EA 3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,216.23	193.61
33 19 19 00-0004 EA 4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	8,619.71	302.93
33 19 19 00-0005 EA 6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	12,053.76	409.99
33 19 19 00-0006 EA 8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	24,710.36	523.88
33 19 19 00-0007 EA 10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	42,271.91	637.77
33 19 23 Magnetic Water Meters <small>(33 19)</small>		
33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter <small>(33 19 23)</small>		
33 19 23 00-0002 EA 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	8,742.44	151.81
33 19 23 00-0003 EA 3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	12,330.57	193.61
33 19 23 00-0004 EA 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	14,160.02	302.93
33 19 26 Ultrasonic Water Meters <small>(33 19)</small>		
33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Active) <small>(33 19 26)</small>		
33 19 26 00-0002 EA 3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	4,427.09	193.61
33 19 26 00-0003 EA 4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	5,107.02	302.93
33 19 26 00-0004 EA 6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	7,513.36	409.99
33 19 26 00-0005 EA 8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	10,818.00	523.88
33 30 Sanitary Sewerage Utilities <small>(33)</small>		
33 31 Sanitary Sewerage Piping <small>(33 30)</small>		
33 31 11 Public Sanitary Sewerage Gravity Piping <small>(33 31)</small>		
<small>Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.</small>		
33 31 11 00-0001 Plastic Sewer And Drain Piping <small>(33 31 11)</small>		
33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0001)</small>		
33 31 11 00-0003 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.10	4.21
33 31 11 00-0004 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.58	4.97
33 31 11 00-0005 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.54	6.02
33 31 11 00-0006 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	24.85	7.02
33 31 11 00-0007 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	35.18	8.17
33 31 11 00-0008 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	48.37	9.50
33 31 11 00-0009 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	68.67	9.83
33 31 11 00-0010 LF 12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	92.42	10.19
33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0001)</small>		
<small>Note: D-2729 PVC pipe.</small>		
33 31 11 00-0012 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.39	6.02
33 31 11 00-0013 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.98	7.02
33 31 11 00-0014 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	22.08	8.17
33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings <small>(33 31 11 00-0001)</small>		
33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0017 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	29.37	14.51
33 31 11 00-0018 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.75	18.76
33 31 11 00-0019 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	67.86	25.19
33 31 11 00-0020 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	107.32	29.13
33 31 11 00-0021 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	444.36	37.85
33 31 11 00-0022 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	740.18	50.94
33 31 11 00-0023 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	977.01	67.84

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0025 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	31.13	14.51
33 31 11 00-0026 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.61	18.76
33 31 11 00-0027 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	65.23	25.19
33 31 11 00-0028 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	94.43	29.13
33 31 11 00-0029 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	411.56	37.85
33 31 11 00-0030 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	663.95	50.94
33 31 11 00-0031 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	752.78	67.84
33 31 11 00-0032 EA 12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,121.11	90.36
33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0034 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	50.75	14.29
33 31 11 00-0035 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	50.05	18.76
33 31 11 00-0036 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	99.49	25.19
33 31 11 00-0037 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	165.30	29.13
33 31 11 00-0038 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	332.37	37.85
33 31 11 00-0039 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	593.00	50.94
33 31 11 00-0040 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	974.37	67.84
33 31 11 00-0041 EA 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,479.71	90.36
33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0043 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.88	14.51
33 31 11 00-0044 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	41.41	18.76
33 31 11 00-0045 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	76.18	25.19
33 31 11 00-0046 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	114.75	29.13
33 31 11 00-0047 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	553.46	37.85
33 31 11 00-0048 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	899.00	50.94
33 31 11 00-0049 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,013.17	67.84
33 31 11 00-0050 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	1,034.32	90.36
33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0052 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	40.10	16.56
33 31 11 00-0053 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	78.28	19.76
33 31 11 00-0054 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	73.42	21.79
33 31 11 00-0055 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	116.30	23.82
33 31 11 00-0056 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	124.76	27.03
33 31 11 00-0057 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	391.80	33.46
33 31 11 00-0058 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	837.73	44.35
33 31 11 00-0059 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	234.99	48.43
33 31 11 00-0060 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	332.44	52.82
33 31 11 00-0061 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	306.25	59.32
33 31 11 00-0062 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	867.58	64.12
33 31 11 00-0063 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	915.85	70.62
33 31 11 00-0064 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	969.06	79.10
33 31 11 00-0065 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0066 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	46.48	21.92
33 31 11 00-0067 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	61.93	28.36
33 31 11 00-0068 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	108.00	37.41
33 31 11 00-0069 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	168.48	46.47
33 31 11 00-0070 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	651.18	50.94
33 31 11 00-0071 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	844.91	67.84
33 31 11 00-0072 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0073 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	60.09	21.92
33 31 11 00-0074 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	69.84	28.36
33 31 11 00-0075 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	118.10	37.41
33 31 11 00-0076 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	185.02	46.47
33 31 11 00-0077 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	589.10	50.94
33 31 11 00-0078 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	726.99	67.84
33 31 11 00-0079 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	956.11	90.53
33 31 11 00-0080 EA 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	1,513.67	120.81
33 31 11 00-0081 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0082 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	81.47	21.92
33 31 11 00-0083 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	90.63	28.36
33 31 11 00-0084 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	104.05	37.41
33 31 11 00-0085 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	162.33	46.47
33 31 11 00-0086 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	177.84	46.47



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0087	Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0088 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....		100.44	28.36
	33 31 11 00-0089 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....		130.69	37.41
	33 31 11 00-0090 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....		268.24	50.50
	33 31 11 00-0091 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....		481.96	61.08
	33 31 11 00-0092 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....		124.25	37.41
	33 31 11 00-0093 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....		219.04	50.50
	33 31 11 00-0094 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....		400.71	61.08
33 31 11 00-0095	Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0096 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		77.08	21.92
	33 31 11 00-0097 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		96.34	28.36
	33 31 11 00-0098 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		197.74	37.41
	33 31 11 00-0099 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		363.63	46.47
	33 31 11 00-0100 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		154.02	28.36
	33 31 11 00-0101 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		249.99	37.41
	33 31 11 00-0102 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		177.31	37.41
	33 31 11 00-0103 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		339.14	46.47
	33 31 11 00-0104 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		361.54	46.47
33 31 11 00-0105	Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0106 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		113.61	28.36
	33 31 11 00-0107 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		132.16	37.41
	33 31 11 00-0108 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		207.77	50.50
	33 31 11 00-0109 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		787.37	61.08
	33 31 11 00-0110 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....		2,627.29	67.63
33 31 11 00-0111	Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0112 EA 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....		604.49	115.87
	33 31 11 00-0113 EA 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....		1,475.56	149.49
	33 31 11 00-0114 EA 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....		1,874.08	210.67
	33 31 11 00-0115 EA 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....		2,574.82	338.88
33 31 11 00-0116	Couplings, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0117 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		28.45	14.51
	33 31 11 00-0118 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		35.40	18.65
	33 31 11 00-0119 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		56.60	24.98
	33 31 11 00-0120 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		74.99	29.13
	33 31 11 00-0121 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		229.90	37.85
	33 31 11 00-0122 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		576.34	50.94
	33 31 11 00-0123 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		876.59	67.84
	33 31 11 00-0124 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....		1,455.48	90.36
33 31 11 00-0125	Adapters, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0126 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....		147.30	79.95
	33 31 11 00-0127 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting.....		100.45	60.82
	33 31 11 00-0128 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting.....		104.46	60.82
	33 31 11 00-0129 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting.....		115.07	60.82
	33 31 11 00-0130 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....		150.21	79.95
	33 31 11 00-0131 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....		141.72	79.95
	33 31 11 00-0132 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....		127.76	79.95
	33 31 11 00-0133 EA 4" Drain Grate, Drain And Sewer Fitting.....		72.05	41.11
33 31 11 00-0134	Caps, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0135 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....		47.72	15.60
	33 31 11 00-0136 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....		84.29	19.42
	33 31 11 00-0137 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....		169.61	25.08
33 31 11 00-0138	Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>			
	33 31 11 00-0139 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....		26.61	14.51
	33 31 11 00-0140 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....		34.76	18.76
	33 31 11 00-0141 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....		53.62	25.19
	33 31 11 00-0142 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....		73.96	29.13
	33 31 11 00-0143 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....		136.89	37.85
	33 31 11 00-0144 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....		591.97	50.94
33 31 11 00-0145	Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 11 00-0001)</small>			
	Note: ASTM 3034.			

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0146 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	17.88	7.02
For SDR 26, Add	0.75	
33 31 11 00-0147 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	23.63	8.17
For SDR 26, Add	1.43	
33 31 11 00-0148 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	31.40	9.50
For SDR 26, Add	2.43	
33 31 11 00-0149 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.27	9.83
For SDR 26, Add	3.64	
33 31 11 00-0150 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	46.55	10.19
For SDR 26, Add	5.13	
33 31 11 00-0151 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	60.36	10.54
For SDR 26, Add	7.70	
33 31 11 00-0152 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	76.15	10.93
33 31 11 00-0153 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	98.59	11.87
33 31 11 00-0154 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	119.37	12.80
33 31 11 00-0155 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	148.31	15.02
33 31 11 00-0156 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0157 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	19.52	7.02
For SDR 26, Add	1.07	
33 31 11 00-0158 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	27.29	8.17
For SDR 26, Add	2.15	
33 31 11 00-0159 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	38.15	9.50
For SDR 26, Add	3.75	
33 31 11 00-0160 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0161 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0162 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	85.91	26.53
For SDR 26, Add	4.00	
33 31 11 00-0163 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.11	30.84
For SDR 26, Add	7.36	
33 31 11 00-0164 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	270.75	34.96
For SDR 26, Add	20.37	
33 31 11 00-0165 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	782.09	41.13
For SDR 26, Add	68.50	
33 31 11 00-0166 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,010.69	52.43
For SDR 26, Add	88.64	
33 31 11 00-0167 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0168 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	77.34	26.53
For SDR 26, Add	3.18	
33 31 11 00-0169 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	118.66	30.84
For SDR 26, Add	6.46	
33 31 11 00-0170 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	246.86	34.96
For SDR 26, Add	18.07	
33 31 11 00-0171 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	557.10	41.13
For SDR 26, Add	46.90	
33 31 11 00-0172 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	796.76	52.43
For SDR 26, Add	68.10	
33 31 11 00-0173 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,711.82	74.03
For SDR 26, Add	152.49	
33 31 11 00-0174 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,717.17	104.88
33 31 11 00-0175 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,537.09	138.80
33 31 11 00-0176 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	6,186.79	185.07
33 31 11 00-0177 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0178 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	130.09	39.79
For SDR 26, Add	6.12	
33 31 11 00-0179 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	211.54	44.11
For SDR 26, Add	13.25	
33 31 11 00-0180 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	238.06	46.27
For SDR 26, Add	15.45	
33 31 11 00-0181 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	263.08	48.43
For SDR 26, Add	17.51	
33 31 11 00-0182 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	301.80	50.59
For SDR 26, Add	20.88	
33 31 11 00-0183 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	582.77	52.75
For SDR 26, Add	47.51	
33 31 11 00-0184 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	747.88	53.97
For SDR 26, Add	63.16	
33 31 11 00-0185 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	848.14	56.55
For SDR 26, Add	72.38	
33 31 11 00-0186 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,255.04	58.71
For SDR 26, Add	111.10	
33 31 11 00-0187 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,637.39	61.69
For SDR 26, Add	147.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0188 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	920.29	65.70
For SDR 26, Add	77.84	
33 31 11 00-0189 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	977.18	67.86
For SDR 26, Add	82.95	
33 31 11 00-0190 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,397.24	70.02
For SDR 26, Add	122.93	
33 31 11 00-0191 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,018.42	73.00
For SDR 26, Add	182.09	
33 31 11 00-0192 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,275.02	78.65
For SDR 26, Add	205.82	
33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0194 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	123.44	39.79
For SDR 26, Add	5.48	
33 31 11 00-0195 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	189.38	44.11
For SDR 26, Add	11.12	
33 31 11 00-0196 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	208.29	46.27
For SDR 26, Add	12.59	
33 31 11 00-0197 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	253.58	48.43
33 31 11 00-0198 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	290.46	50.59
33 31 11 00-0199 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	447.33	52.75
33 31 11 00-0200 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	683.53	54.39
33 31 11 00-0201 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	697.14	56.55
33 31 11 00-0202 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,051.74	58.71
33 31 11 00-0203 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,164.15	61.69
33 31 11 00-0204 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	866.62	65.70
33 31 11 00-0205 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	893.83	67.86
33 31 11 00-0206 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,282.99	70.02
33 31 11 00-0207 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,547.20	73.00
33 31 11 00-0208 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,615.20	78.65
33 31 11 00-0209 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,990.82	94.59
33 31 11 00-0210 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,209.22	100.24
33 31 11 00-0211 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,763.66	111.04
33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0213 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	85.16	26.53
For SDR 26, Add	3.93	
33 31 11 00-0214 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	133.17	30.84
For SDR 26, Add	7.85	
33 31 11 00-0215 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	197.47	35.16
For SDR 26, Add	13.33	
33 31 11 00-0216 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	376.75	41.13
For SDR 26, Add	29.58	
33 31 11 00-0217 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	535.18	52.43
For SDR 26, Add	42.99	
33 31 11 00-0218 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,049.83	74.03
For SDR 26, Add	88.94	
33 31 11 00-0219 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,978.24	104.88
33 31 11 00-0220 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,304.86	138.80
33 31 11 00-0221 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,785.90	185.07
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0223 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	165.32	28.68
For SDR 26, Add	11.28	
33 31 11 00-0224 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	237.98	30.84
For SDR 26, Add	17.91	
33 31 11 00-0225 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	250.92	33.00
For SDR 26, Add	18.81	
33 31 11 00-0226 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	569.28	35.98
For SDR 26, Add	48.90	
33 31 11 00-0227 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	654.62	38.14
For SDR 26, Add	56.74	
33 31 11 00-0228 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	731.55	41.64
For SDR 26, Add	63.57	
33 31 11 00-0229 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	840.04	43.80
For SDR 26, Add	73.64	
33 31 11 00-0230 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	963.55	46.78
For SDR 26, Add	85.02	
33 31 11 00-0231 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,451.47	63.23
For SDR 26, Add	129.22	
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0233 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	136.04	
For SDR 26, Add	8.12	
33 31 11 00-0234 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	180.10	
For SDR 26, Add	11.37	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0235	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	184.20	
			<i>For SDR 26, Add</i>	11.76	
33 31 11 00-0236	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	306.78	
			<i>For SDR 26, Add</i>	22.54	
33 31 11 00-0237	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	323.97	
			<i>For SDR 26, Add</i>	24.19	
33 31 11 00-0238	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	619.62	
			<i>For SDR 26, Add</i>	52.57	
33 31 11 00-0239	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	349.09	
			<i>For SDR 26, Add</i>	25.12	
33 31 11 00-0240	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	381.31	
			<i>For SDR 26, Add</i>	28.22	
33 31 11 00-0241	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	858.63	
			<i>For SDR 26, Add</i>	74.04	
33 31 11 00-0242	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,013.75	
			<i>For SDR 26, Add</i>	88.93	
33 31 11 00-0243	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	399.16	
			<i>For SDR 26, Add</i>	26.47	
33 31 11 00-0244	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	427.27	
			<i>For SDR 26, Add</i>	29.17	
33 31 11 00-0245			Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)		
			<small>(33 31 11 00-0160)</small>		
33 31 11 00-0246	EA		6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	145.67	
			<i>For SDR 26, Add</i>	9.05	
33 31 11 00-0247	EA		8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	180.10	
			<i>For SDR 26, Add</i>	11.37	
33 31 11 00-0248	EA		8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	197.30	
			<i>For SDR 26, Add</i>	13.02	
33 31 11 00-0249	EA		10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	281.29	
			<i>For SDR 26, Add</i>	20.09	
33 31 11 00-0250	EA		10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	321.91	
			<i>For SDR 26, Add</i>	23.99	
33 31 11 00-0251	EA		10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	491.29	
			<i>For SDR 26, Add</i>	40.25	
33 31 11 00-0252	EA		12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	347.05	
			<i>For SDR 26, Add</i>	24.93	
33 31 11 00-0253	EA		12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	379.36	
			<i>For SDR 26, Add</i>	28.03	
33 31 11 00-0254	EA		12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	571.30	
			<i>For SDR 26, Add</i>	46.46	
33 31 11 00-0255	EA		12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	696.57	
			<i>For SDR 26, Add</i>	58.48	
33 31 11 00-0256	EA		15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	397.89	
			<i>For SDR 26, Add</i>	26.35	
33 31 11 00-0257	EA		15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	417.74	
			<i>For SDR 26, Add</i>	28.26	
33 31 11 00-0258	EA		15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	701.55	
			<i>For SDR 26, Add</i>	55.50	
33 31 11 00-0259	EA		15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	777.15	
			<i>For SDR 26, Add</i>	62.76	
33 31 11 00-0260	EA		15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,102.06	
			<i>For SDR 26, Add</i>	93.95	
33 31 11 00-0261			Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings		
			<small>(33 31 11 00-0001)</small>		
			Note: ASTM F949.		
33 31 11 00-0262			Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe		
			<small>(33 31 11 00-0261)</small>		
33 31 11 00-0263	LF		4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	17.86	7.02
33 31 11 00-0264	LF		6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	26.05	8.17
33 31 11 00-0265	LF		8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	33.57	9.50
33 31 11 00-0266	LF		10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	40.63	9.83
33 31 11 00-0267	LF		12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	43.14	10.19
33 31 11 00-0268	LF		15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	51.64	10.54
33 31 11 00-0269	LF		18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	67.41	10.93
33 31 11 00-0270	LF		21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	79.20	11.87
33 31 11 00-0271	LF		24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	98.18	12.80
33 31 11 00-0272	LF		30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	141.67	17.23
33 31 11 00-0273			1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)		
			<small>(33 31 11 00-0261)</small>		
33 31 11 00-0274	EA		4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	78.99	
33 31 11 00-0275	EA		6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	108.75	
33 31 11 00-0276	EA		8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	152.42	
33 31 11 00-0277	EA		10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	263.65	
33 31 11 00-0278	EA		12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	282.34	
33 31 11 00-0279	EA		15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	475.23	
33 31 11 00-0280	EA		18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	756.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0281	EA		21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,083.88	
33 31 11 00-0282	EA		24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,411.05	
33 31 11 00-0283	EA		30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,864.68	
33 31 11 00-0284			1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) <small>(33 31 11 00-0281)</small>		
33 31 11 00-0285	EA		4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	73.26	
33 31 11 00-0286	EA		6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	100.26	
33 31 11 00-0287	EA		8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	140.06	
33 31 11 00-0288	EA		10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	240.43	
33 31 11 00-0289	EA		12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	258.02	
33 31 11 00-0290	EA		15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	432.27	
33 31 11 00-0291	EA		18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	686.58	
33 31 11 00-0292	EA		21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	979.94	
33 31 11 00-0293	EA		24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,273.35	
33 31 11 00-0294	EA		30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,680.94	
33 31 11 00-0295			1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) <small>(33 31 11 00-0281)</small>		
33 31 11 00-0296	EA		4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	64.66	
33 31 11 00-0297	EA		6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	82.33	
33 31 11 00-0298	EA		8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	130.91	
33 31 11 00-0299	EA		10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	165.99	
33 31 11 00-0300	EA		12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	232.23	
33 31 11 00-0301	EA		15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	386.61	
33 31 11 00-0302	EA		18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	566.53	
33 31 11 00-0303	EA		21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	873.57	
33 31 11 00-0304	EA		24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,180.61	
33 31 11 00-0305	EA		30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,676.54	
33 31 11 00-0306			Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) <small>(33 31 11 00-0281)</small>		
33 31 11 00-0307	EA		4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	123.54	
33 31 11 00-0308	EA		6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	161.69	
33 31 11 00-0309	EA		8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	294.68	
33 31 11 00-0310	EA		10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	479.02	
33 31 11 00-0311	EA		12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	804.62	
33 31 11 00-0312	EA		15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,151.31	
33 31 11 00-0313	EA		18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,673.62	
33 31 11 00-0314	EA		21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,928.50	
33 31 11 00-0315	EA		24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,183.32	
33 31 11 00-0316	EA		30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	3,990.96	
33 31 11 00-0317			Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) <small>(33 31 11 00-0281)</small>		
33 31 11 00-0318	EA		4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	111.80	
33 31 11 00-0319	EA		6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	145.59	
33 31 11 00-0320	EA		8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	261.77	
33 31 11 00-0321	EA		10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	422.77	
33 31 11 00-0322	EA		12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	705.80	
33 31 11 00-0323	EA		15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,008.65	
33 31 11 00-0324	EA		18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,464.75	
33 31 11 00-0325	EA		21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,686.24	
33 31 11 00-0326	EA		24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,907.71	
33 31 11 00-0327	EA		30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	3,473.15	
33 31 11 00-0328			Couplings And Plug Fittings <small>(33 31 11)</small>		
33 31 11 00-0329			Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(33 31 11 00-0328)</small>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.					
33 31 11 00-0330	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	20.89	7.57
33 31 11 00-0331	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	22.86	8.84
33 31 11 00-0332	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	26.37	10.10
33 31 11 00-0333	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	29.81	10.73
33 31 11 00-0334	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	36.25	11.36
33 31 11 00-0335	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	42.72	12.63
33 31 11 00-0336	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	53.94	13.89
33 31 11 00-0337	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	66.24	14.51
33 31 11 00-0338	EA		12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	108.06	15.14
33 31 11 00-0339	EA		15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	146.40	16.41
33 31 11 00-0340	EA		18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	280.14	17.04
33 31 11 00-0341	EA		21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	325.19	17.99
33 31 11 00-0342	EA		24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	360.10	18.94
33 31 11 00-0343	EA		27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	431.11	20.20

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0344 Cast Iron Service Saddles With U Bolt <small>(33 31 11)</small>		
33 31 11 00-0345 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	124.85	
33 31 11 00-0346 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	125.52	
33 31 11 00-0347 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	138.13	
33 31 11 00-0348 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	133.70	
33 31 11 00-0349 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	150.92	
33 31 11 00-0350 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	169.81	
33 31 11 00-0351 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	201.17	
33 31 11 00-0352 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	170.33	
33 31 11 00-0353 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	186.21	
33 31 11 00-0354 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	214.76	
33 31 11 00-0355 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	137.49	
33 31 11 00-0356 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	150.11	
33 31 11 00-0357 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	178.67	
33 31 11 00-0358 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	212.05	
33 31 11 00-0359 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	228.32	
33 31 11 00-0360 Manhole Inside Bowl Drop <small>(33 31 11)</small>		
33 31 11 00-0361 EA Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	341.34	
33 31 11 00-0362 EA Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	357.70	
33 31 11 00-0363 EA Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	366.74	
33 31 11 00-0364 EA Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	379.20	
33 31 11 00-0365 EA Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	394.04	
33 31 11 00-0366 EA Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	422.33	
33 31 11 00-0367 EA Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	439.77	
33 31 11 00-0368 EA Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	453.92	
33 31 11 00-0369 EA Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	780.45	
33 31 11 00-0370 EA Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	801.67	
33 32 Sanitary Sewerage Equipment <small>(33 30)</small>		
33 32 16 Packaged Wastewater Grinder Pump Assemblies <small>(33 32)</small>		
33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller <small>(33 32 16)</small>		
33 32 16 00-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge	2,227.61	371.30
Note: Zoeller 840 series.		
33 32 16 00-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge	2,196.91	371.30
Note: Zoeller 840 series.		
33 32 16 00-0004 EA Simplex Control Panel With Auto Reversing Switch	1,044.57	123.73
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005 EA Duplex Control Panel With Auto Reversing Switch	1,615.06	123.73
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	13,355.05	
33 32 16 00-0007 Submersible Grinder Pumps <small>(33 32 16)</small>		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008 EA 2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,904.76	747.30
33 32 16 00-0009 EA 3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,805.66	871.85
33 32 16 00-0010 EA 5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,116.22	1,120.96
33 34 Onsite Wastewater Disposal <small>(33 30)</small>		
Note: Excludes distribution field piping, trenching or excavation.		
33 34 13 Septic Tanks <small>(33 34)</small>		
33 34 13 13 Concrete Septic Tanks <small>(33 34 13)</small>		
33 34 13 13-0001 Precast Concrete Septic Tank <small>(33 34 13 13)</small>		
Note: Includes external coating.		
33 34 13 13-0002 EA 1,000 Gallon Precast Septic Tank	4,175.03	747.30
For Non-Traffic Rated, Deduct	-814.32	
33 34 13 13-0003 EA 1,250 Gallon Precast Septic Tank	5,023.11	824.90
For Non-Traffic Rated, Deduct	-1,002.59	
33 34 13 13-0004 EA 1,500 Gallon Precast Septic Tank	5,838.27	902.37
For Non-Traffic Rated, Deduct	-1,182.60	
33 34 13 13-0005 EA 2,000 Gallon Precast Septic Tank	7,507.64	980.84
For Non-Traffic Rated, Deduct	-1,576.72	
33 34 13 13-0006 EA 2,500 Gallon Precast Septic Tank	8,931.63	1,354.49
For Non-Traffic Rated, Deduct	-1,818.60	
33 34 13 13-0007 EA 4,000 Gallon Precast Septic Tank	23,881.87	1,868.26
For Non-Traffic Rated, Deduct	-5,397.53	
33 34 13 13-0008 EA 5,000 Gallon Precast Septic Tank	43,472.44	2,802.39
For Non-Traffic Rated, Deduct	-10,011.16	



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Onsite Wastewater Disposal	33 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0009 EA 7,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	48,685.61 -10,977.79	3,923.35
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	59,705.92 -13,494.15	4,694.07
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	70,530.90 -15,842.31	5,815.02
33 34 13 23 Fiberglass Septic Tank (33 34 13)		
33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)		
33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank	5,014.14	560.48
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank	5,888.94	747.30
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank	6,811.69	677.31
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank	11,460.98	733.23
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank	14,371.85	1,016.33
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank	22,827.03	1,401.19
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank	33,875.01	2,101.80
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank	46,502.95	2,942.51
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank	57,077.64	3,516.94
33 34 13 33 Polyethylene Septic Tank (33 34 13)		
33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)		
33 34 13 33-0002 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,317.27	227.77
33 34 13 33-0003 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,035.14	256.24
33 34 13 33-0004 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,832.83	313.19
33 34 13 33-0005 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,907.56	341.66
33 34 13 33-0006 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,371.22	370.13
33 34 13 33-0007 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	4,048.42	398.61
33 34 13 33-0008 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,854.68	284.72
33 34 13 33-0009 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,110.92	341.66
33 34 13 33-0010 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,661.01	370.13
33 34 13 33-0011 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	4,302.61	398.61
33 34 51 Drainage Field System (33 34)		
33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)		
Note: Includes external coating.		
33 34 51 00-0002 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit	960.25	109.60
33 34 51 00-0003 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit	1,350.32	155.69
33 34 51 00-0004 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit	1,798.69	186.83
33 34 51 00-0005 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit	2,928.21	311.37
33 34 51 00-0006 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit	4,273.50	435.93
33 34 53 Distribution Chambers (33 34)		
33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)		
33 34 53 13-0001 Concrete Distribution Boxes (33 34 53 13)		
Note: Includes internal and external coating.		
33 34 53 13-0002 EA 3 Outlet Concrete Distribution Box.....	364.98	79.54
33 34 53 13-0003 EA 5 Outlet Concrete Distribution Box.....	424.75	95.45
33 34 53 13-0004 EA 8 Outlet Concrete Distribution Box.....	743.82	111.36
33 34 53 13-0005 EA 12 Outlet Concrete Distribution Box.....	1,469.77	190.89
33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)		
33 34 53 13-0007 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,121.02	95.26
33 34 53 13-0008 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,370.98	129.89
33 34 56 Drainage Field Dosing Chambers (33 34)		
33 34 56 00-0001 Dosing Siphon (33 34 56)		
33 34 56 00-0002 EA Dosing Siphon With Electrical Connection And Solenoid Valve	5,980.78	
33 34 56 00-0003 EA Solar Power Control For Dosing Siphon	4,106.97	
33 34 56 00-0004 EA Electrical Power Control For Dosing Siphon.....	3,946.37	
33 40 Stormwater Utilities (33)		
33 41 Subdrainage (33 40)		
33 41 16 Subdrainage Piping (33 41)		
33 41 16 13 Subdrainage Piping (33 41 16)		
See CSI section 33 42 11 00-0227 for polyethylene drain pipe.		
33 41 16 13-0001 Corrugated High Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)		

33	33 Utilities
	33 40 Stormwater Utilities
	33 41 Subdrainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 13-0002	Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0001)</small> Note: Excludes couplings and gaskets.		
33 41 16 13-0003	Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0004	LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.07 <i>For >1,000, Deduct</i> -0.57	6.34	5.04
33 41 16 13-0005	LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.22 <i>For >1,000, Deduct</i> -0.68	8.29	5.40
33 41 16 13-0006	LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.39 <i>For >1,000, Deduct</i> -0.82	10.78	5.67
33 41 16 13-0007	LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.64 <i>For >1,000, Deduct</i> -1.06	15.30	5.85
33 41 16 13-0008	LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.87 <i>For >1,000, Deduct</i> -1.23	18.17	6.39
33 41 16 13-0009	LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 2.30 <i>For >1,000, Deduct</i> -1.58	24.35	7.20
33 41 16 13-0010	LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 3.72 <i>For >1,000, Deduct</i> -2.53	38.76	11.90
33 41 16 13-0011	LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 4.71 <i>For >1,000, Deduct</i> -3.40	55.00	13.07
33 41 16 13-0012	Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0013	LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.06 <i>For >1,000, Deduct</i> -0.56	6.15	5.04
33 41 16 13-0014	LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.22 <i>For >1,000, Deduct</i> -0.68	8.21	5.40
33 41 16 13-0015	LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.57 <i>For >1,000, Deduct</i> -1.00	14.30	5.67
33 41 16 13-0016	LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.73 <i>For >1,000, Deduct</i> -1.15	17.14	5.85
33 41 16 13-0017	LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 1.97 <i>For >1,000, Deduct</i> -1.33	20.19	6.39
33 41 16 13-0018	LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 2.29 <i>For >1,000, Deduct</i> -1.57	24.14	7.20
33 41 16 13-0019	LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 3.66 <i>For >1,000, Deduct</i> -2.47	37.42	11.90
33 41 16 13-0020	LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> 4.61 <i>For >1,000, Deduct</i> -3.30	52.89	13.07
33 41 16 13-0021	Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 16 13-0001)</small> Note: Excludes couplings and gaskets.		
33 41 16 13-0022	Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0023	EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	47.93	24.69
33 41 16 13-0024	EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	57.20	28.80
33 41 16 13-0025	EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	97.37	34.98
33 41 16 13-0026	EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	125.67	43.20
33 41 16 13-0027	EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	191.45	51.44
33 41 16 13-0028	EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	432.88	67.21
33 41 16 13-0029	EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	513.72	90.52
33 41 16 13-0030	EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	998.30	102.87
33 41 16 13-0031	Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0032	EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	49.55	24.69
33 41 16 13-0033	EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	62.51	28.80
33 41 16 13-0034	EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	152.97	34.98
33 41 16 13-0035	45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0036	EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	32.49	16.46



	Utilities	33	
	Stormwater Utilities	33 40	33
	Subdrainage	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0038 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	34.20	16.46
33 41 16 13-0039 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	45.01	19.21
33 41 16 13-0040 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	68.89	23.32
33 41 16 13-0041 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	91.51	28.80
33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16 13)</small>		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	9.02	4.23
For <100, Add	1.09	
For >1,000, Deduct	-0.66	
33 41 16 13-0044 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	9.89	4.57
For <100, Add	1.18	
For >1,000, Deduct	-0.72	
33 41 16 13-0045 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	14.64	5.48
For <100, Add	1.55	
For >1,000, Deduct	-1.01	
33 41 16 13-0046 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	23.96	6.85
For <100, Add	2.23	
For >1,000, Deduct	-1.54	
33 41 16 13-0047 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	41.34	7.12
For <100, Add	3.14	
For >1,000, Deduct	-2.42	
33 41 16 13-0048 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	53.60	7.78
For <100, Add	3.85	
For >1,000, Deduct	-3.07	
33 41 16 13-0049 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	75.21	8.77
For <100, Add	5.08	
For >1,000, Deduct	-4.20	
33 41 16 13-0050 Perforated Non-Reinforced Concrete Drainage Piping, C444 <small>(33 41 16 13)</small>		
33 41 16 13-0051 LF 6" Perforated Non-Reinforced Concrete Drainage Pipe.....	35.36	12.73
For Extra Strength, Add	2.02	
For >1,000, Deduct	-1.77	
33 41 16 13-0052 LF 8" Perforated Non-Reinforced Concrete Drainage Pipe.....	41.39	14.15
For Extra Strength, Add	2.49	
For >1,000, Deduct	-2.07	
33 41 16 13-0053 LF 10" Perforated Non-Reinforced Concrete Drainage Pipe.....	46.87	15.57
For Extra Strength, Add	2.89	
For >1,000, Deduct	-2.34	
33 41 16 13-0054 LF 12" Perforated Non-Reinforced Concrete Drainage Pipe.....	55.13	16.98
For Extra Strength, Add	3.63	
For >1,000, Deduct	-2.76	
33 41 16 13-0055 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056 LF 6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	29.11	12.73
For >1,000, Deduct	-1.46	
33 41 16 13-0057 LF 8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	32.22	14.15
For >1,000, Deduct	-1.61	
33 41 16 13-0058 LF 10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	35.54	15.57
For >1,000, Deduct	-1.78	
33 41 16 13-0059 LF 12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	40.64	16.17
For >1,000, Deduct	-2.03	
33 41 16 13-0060 LF 15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	47.28	18.19
For >1,000, Deduct	-2.36	
33 41 16 13-0061 LF 18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	58.50	23.25
For >1,000, Deduct	-2.93	
33 41 16 13-0062 LF 21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	73.05	29.82
For >1,000, Deduct	-3.65	
33 41 16 13-0063 LF 24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe.....	89.07	36.39
For >1,000, Deduct	-4.45	
33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
33 41 16 13-0065 LF 6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe.....	27.05	12.73
For >1,000, Deduct	-1.35	
33 41 16 13-0066 LF 8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe.....	34.50	14.15
For >1,000, Deduct	-1.73	
33 41 16 13-0067 LF 10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe.....	43.81	15.57
For >1,000, Deduct	-2.19	
33 41 16 13-0068 LF 12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe.....	53.30	16.98
For >1,000, Deduct	-2.67	
33 41 16 13-0069 LF 15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe.....	61.08	18.89
For >1,000, Deduct	-3.05	

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0070 LF 18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe <i>For >1,000, Deduct</i>	79.23 -3.96	23.56
33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16 13)</small>		
33 41 16 13-0072 LF 4" Perforated Vitrified Clay Drainage Pipe	26.59	14.15
33 41 16 13-0073 LF 6" Perforated Vitrified Clay Drainage Pipe	31.78	15.92
33 41 16 13-0074 LF 8" Perforated Vitrified Clay Drainage Pipe	36.29	15.92
33 41 16 13-0075 LF 10" Perforated Vitrified Clay Drainage Pipe	48.68	19.45
33 41 16 13-0076 LF 12" Perforated Vitrified Clay Drainage Pipe	57.91	21.22
33 41 16 13-0077 Geotextile Filter Fabric Sock <small>(33 41 16 13)</small>		
33 41 16 13-0078 LF 3" Geotextile Filter Fabric Sock.....	0.84	
33 41 16 13-0079 LF 4" Geotextile Filter Fabric Sock.....	1.10	
33 41 16 13-0080 LF 6" Geotextile Filter Fabric Sock.....	1.68	
33 41 16 13-0081 LF 8" Geotextile Filter Fabric Sock.....	2.26	
33 41 16 13-0082 LF 10" Geotextile Filter Fabric Sock.....	3.37	
33 41 16 13-0083 LF 12" Geotextile Filter Fabric Sock.....	4.66	
33 41 16 13-0084 LF 15" Geotextile Filter Fabric Sock.....	5.61	
33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0086 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.02	6.07
<i>For Full Perforated, Add</i>	1.29	
33 41 16 13-0087 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	31.70	7.35
<i>For Full Perforated, Add</i>	1.70	
33 41 16 13-0088 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	39.96	9.33
<i>For Full Perforated, Add</i>	2.13	
33 41 16 13-0089 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	44.33	11.03
<i>For Full Perforated, Add</i>	2.23	
33 41 16 13-0090 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	50.83	11.41
<i>For Full Perforated, Add</i>	2.80	
33 41 16 13-0091 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	57.48	11.84
<i>For Full Perforated, Add</i>	3.38	
33 41 16 13-0092 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	65.77	12.77
<i>For Full Perforated, Add</i>	4.02	
33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.09	6.07
<i>For Full Perforated, Add</i>	1.50	
33 41 16 13-0095 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	34.51	7.35
<i>For Full Perforated, Add</i>	1.98	
33 41 16 13-0096 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	43.39	9.33
<i>For Full Perforated, Add</i>	2.47	
33 41 16 13-0097 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	47.66	11.03
<i>For Full Perforated, Add</i>	2.56	
33 41 16 13-0098 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	54.95	11.41
<i>For Full Perforated, Add</i>	3.21	
33 41 16 13-0099 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	62.37	11.84
<i>For Full Perforated, Add</i>	3.87	
33 41 16 13-0100 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	71.47	12.77
<i>For Full Perforated, Add</i>	4.59	
33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe <small>(33 41 16 13)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	27.76	6.07
<i>For Full Perforated, Add</i>	1.56	
33 41 16 13-0103 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	35.37	7.35
<i>For Full Perforated, Add</i>	2.07	
33 41 16 13-0104 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	44.49	9.33
<i>For Full Perforated, Add</i>	2.58	
33 41 16 13-0105 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	55.89	11.03
<i>For Full Perforated, Add</i>	3.38	
33 41 16 13-0106 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	65.19	11.41
<i>For Full Perforated, Add</i>	4.24	
33 41 16 13-0107 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	74.79	11.84
<i>For Full Perforated, Add</i>	5.11	
33 41 16 13-0108 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	85.95	12.77
<i>For Full Perforated, Add</i>	6.04	
33 41 16 13-0109 Prefabricated Composite Drains <small>(33 41 16 13)</small>		
33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) <small>(33 41 16 13-0109)</small>		
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Subdrainage	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 41 16	13-0111	LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	11.38	2.34
			<i>For External Typar Geotextile Wrap, Add</i>	2.11	
	33 41 16	13-0112	EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	51.81	
	33 41 16	13-0113	EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	51.81	
	33 41 16	13-0114	EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	100.66	
	33 41 16	13-0115	EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	100.66	
	33 41 16	13-0116	LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	18.24	2.92
			<i>For External Typar Geotextile Wrap, Add</i>	3.16	
	33 41 16	13-0117	EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	76.89	
	33 41 16	13-0118	EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	76.89	
	33 41 16	13-0119	EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	132.36	
	33 41 16	13-0120	EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	132.36	

33 41 19 Underslab Drainage (33 41)

33 41 19 13 Underslab Drainage Piping (33 41 19)

33 41 19 13-0001 Capillary Water Barrier Underslab Drainage (33 41 19 13)

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	61.50
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	58.80
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	57.72
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	56.10

33 42 Stormwater Conveyance (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping (33 42)

33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	53.09	16.98
		<i>For >1,000, Deduct</i>	-2.65	
		<i>For Class 4, Add</i>	2.74	
		<i>For Class 5, Add</i>	5.77	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	63.90	18.89
		<i>For >1,000, Deduct</i>	-3.20	
		<i>For Class 4, Add</i>	3.51	
		<i>For Class 5, Add</i>	7.38	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	72.49	23.56
		<i>For >1,000, Deduct</i>	-3.62	
		<i>For Class 4, Add</i>	3.69	
		<i>For Class 5, Add</i>	7.77	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	92.93	29.71
		<i>For >1,000, Deduct</i>	-4.65	
		<i>For Class 4, Add</i>	4.79	
		<i>For Class 5, Add</i>	10.09	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	108.65	36.08
		<i>For >1,000, Deduct</i>	-5.43	
		<i>For Class 4, Add</i>	5.42	
		<i>For Class 5, Add</i>	11.42	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	137.96	46.13
		<i>For >1,000, Deduct</i>	-6.90	
		<i>For Class 4, Add</i>	6.85	
		<i>For Class 5, Add</i>	14.41	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	146.80	47.63
		<i>For >1,000, Deduct</i>	-7.34	
		<i>For Class 4, Add</i>	7.41	
		<i>For Class 5, Add</i>	15.59	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	182.24	54.13
		<i>For >1,000, Deduct</i>	-9.11	
		<i>For Class 4, Add</i>	10.04	
		<i>For Class 5, Add</i>	21.14	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	237.18	59.53
		<i>For >1,000, Deduct</i>	-11.86	
		<i>For Class 4, Add</i>	14.53	
		<i>For Class 5, Add</i>	30.59	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	284.45	66.30
		<i>For >1,000, Deduct</i>	-14.22	
		<i>For Class 4, Add</i>	18.03	
		<i>For Class 5, Add</i>	37.95	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	354.60	75.77
		<i>For >1,000, Deduct</i>	-17.73	
		<i>For Class 4, Add</i>	23.40	
		<i>For Class 5, Add</i>	49.27	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	428.56	87.89
		<i>For >1,000, Deduct</i>	-21.43	
		<i>For Class 4, Add</i>	28.78	
		<i>For Class 5, Add</i>	60.60	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0015	LF		66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	664.19	97.42
			<i>For >1,000, Deduct</i>	-33.21	
			<i>For Class 4, Add</i>	49.94	
			<i>For Class 5, Add</i>	105.13	
33 42 11 00-0016	LF		72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	775.56	106.08
			<i>For >1,000, Deduct</i>	-38.78	
			<i>For Class 4, Add</i>	59.28	
			<i>For Class 5, Add</i>	124.80	
33 42 11 00-0017	LF		78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	933.41	119.07
			<i>For >1,000, Deduct</i>	-46.67	
			<i>For Class 4, Add</i>	72.48	
			<i>For Class 5, Add</i>	152.59	
33 42 11 00-0018	LF		84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	1,204.36	132.60
			<i>For >1,000, Deduct</i>	-60.22	
			<i>For Class 4, Add</i>	96.42	
			<i>For Class 5, Add</i>	202.99	
33 42 11 00-0019			HE-I Elliptical Reinforced Concrete Piping Without Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0020	LF		12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	86.34	26.91
			<i>For >1,000, Deduct</i>	-4.32	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	4.79	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	10.54	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	22.99	
33 42 11 00-0021	LF		14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	128.78	31.33
			<i>For >1,000, Deduct</i>	-6.44	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	8.40	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	18.48	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	40.32	
33 42 11 00-0022	LF		19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	178.48	47.99
			<i>For >1,000, Deduct</i>	-8.92	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	10.99	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	24.18	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	52.76	
33 42 11 00-0023	LF		22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	210.52	61.34
			<i>For >1,000, Deduct</i>	-10.53	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	12.29	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	27.03	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	58.98	
33 42 11 00-0024	LF		24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	223.56	64.10
			<i>For >1,000, Deduct</i>	-11.18	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	13.20	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	29.04	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	63.36	
33 42 11 00-0025	LF		27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	257.17	67.68
			<i>For >1,000, Deduct</i>	-12.86	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	16.05	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	35.31	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	77.04	
33 42 11 00-0026	LF		29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	290.79	71.25
			<i>For >1,000, Deduct</i>	-14.54	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	18.90	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	41.58	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	90.72	
33 42 11 00-0027	LF		34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	355.15	78.40
			<i>For >1,000, Deduct</i>	-17.76	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	24.32	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	53.49	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	116.71	
33 42 11 00-0028	LF		38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	428.49	88.17
			<i>For >1,000, Deduct</i>	-21.42	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	30.25	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	66.55	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	145.20	
33 42 11 00-0029	LF		43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	487.73	100.78
			<i>For >1,000, Deduct</i>	-24.39	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	34.38	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	75.63	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	165.00	
33 42 11 00-0030	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	604.73	116.90
			<i>For >1,000, Deduct</i>	-30.24	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	43.77	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	96.30	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	210.11	
33 42 11 00-0031	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	690.63	128.81
33 42 11 00-0032	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	838.91	140.72
33 42 11 00-0033	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	1,003.02	159.12
33 42 11 00-0034	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,085.40	176.43
33 42 11 00-0035	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,393.81	185.10
33 42 11 00-0036	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,617.21	193.76
33 42 11 00-0037			Concrete Reducing Wye Without Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0038	EA		12" Concrete Reducing Wye Without Gaskets.....	661.89	64.69
33 42 11 00-0039	EA		15" Concrete Reducing Wye Without Gaskets.....	793.60	78.83



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Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0040 EA 18" Concrete Reducing Wye Without Gaskets	981.81	86.93
33 42 11 00-0041 EA 21" Concrete Reducing Wye Without Gaskets	1,125.93	107.14
33 42 11 00-0042 EA 24" Concrete Reducing Wye Without Gaskets	1,271.61	129.37
33 42 11 00-0043 Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0044 EA 12" Diameter Concrete Pipe Joint Gasket	6.39	
33 42 11 00-0045 EA 15" Diameter Concrete Pipe Joint Gasket	7.56	
33 42 11 00-0046 EA 18" Diameter Concrete Pipe Joint Gasket	8.76	
33 42 11 00-0047 EA 21" Diameter Concrete Pipe Joint Gasket	10.59	
33 42 11 00-0048 EA 24" Diameter Concrete Pipe Joint Gasket	12.41	
33 42 11 00-0049 EA 27" Diameter Concrete Pipe Joint Gasket	13.83	
33 42 11 00-0050 EA 30" Diameter Concrete Pipe Joint Gasket	15.19	
33 42 11 00-0051 EA 36" Diameter Concrete Pipe Joint Gasket	18.56	
33 42 11 00-0052 EA 42" Diameter Concrete Pipe Joint Gasket	21.52	
33 42 11 00-0053 EA 48" Diameter Concrete Pipe Joint Gasket	24.82	
33 42 11 00-0054 EA 54" Diameter Concrete Pipe Joint Gasket	30.42	
33 42 11 00-0055 EA 60" Diameter Concrete Pipe Joint Gasket	45.03	
33 42 11 00-0056 EA 66" Diameter Concrete Pipe Joint Gasket	46.80	
33 42 11 00-0057 EA 72" Diameter Concrete Pipe Joint Gasket	48.53	
33 42 11 00-0058 EA 78" Diameter Concrete Pipe Joint Gasket	55.89	
33 42 11 00-0059 EA 84" Diameter Concrete Pipe Joint Gasket	67.00	
33 42 11 00-0060 Precast Concrete Cut Off Wall (33 42 11 00-0001)		
33 42 11 00-0061 EA 12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	272.93	190.51
33 42 11 00-0062 EA 15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	336.68	235.97
33 42 11 00-0063 EA 18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	417.76	298.75
33 42 11 00-0064 EA 21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	494.51	357.20
33 42 11 00-0065 EA 24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	568.98	413.38
33 42 11 00-0066 EA 27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	702.13	528.23
33 42 11 00-0067 EA 30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	919.76	727.40
33 42 11 00-0068 EA 36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,147.03	917.91
33 42 11 00-0069 EA 42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,417.05	1,151.50
33 42 11 00-0070 EA 48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,586.31	1,297.85
33 42 11 00-0071 EA 54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,771.28	1,454.80
33 42 11 00-0072 EA 60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,958.94	1,616.08
33 42 11 00-0073 EA 66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,035.47	1,677.78
33 42 11 00-0074 EA 72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,102.79	1,731.91
33 42 11 00-0075 EA 78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,170.09	1,786.02
33 42 11 00-0076 EA 84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,239.05	1,840.15
33 42 11 00-0077 Strap Assembly (33 42 11 00-0001)		
Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0078 EA Up To 24" Diameter Pipe, 12' Strap Assembly	249.83	
33 42 11 00-0079 EA >24" Diameter Pipe, 12' Strap Assembly	353.11	
33 42 11 00-0080 Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0081 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0080)		
33 42 11 00-0082 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0081)		
Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0083 LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	148.46	16.98
For >1,000, Deduct	-7.42	
For 100 PSI, Deduct	-31.05	
33 42 11 00-0084 LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	158.37	18.89
For >1,000, Deduct	-7.92	
For 100 PSI, Deduct	-32.85	
33 42 11 00-0085 LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	172.24	23.56
For >1,000, Deduct	-8.61	
For 100 PSI, Deduct	-34.65	
33 42 11 00-0086 LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	188.24	29.71
For >1,000, Deduct	-9.41	
For 100 PSI, Deduct	-36.45	
33 42 11 00-0087 LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	204.52	36.08
For >1,000, Deduct	-10.23	
For 100 PSI, Deduct	-38.24	
33 42 11 00-0088 LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	240.12	47.63
For >1,000, Deduct	-12.01	
For 100 PSI, Deduct	-42.82	
33 42 11 00-0089 LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	266.09	54.13
For >1,000, Deduct	-13.30	
For 100 PSI, Deduct	-47.39	
33 42 11 00-0090 LF 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	309.08	59.53
For >1,000, Deduct	-15.45	
For 100 PSI, Deduct	-56.22	
33 42 11 00-0091 LF 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	354.88	66.30
For >1,000, Deduct	-17.74	
For 100 PSI, Deduct	-65.04	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0092 LF 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	470.37	85.82
For >1,000, Deduct	-23.52	
For 100 PSI, Deduct	-86.94	
33 42 11 00-0093 LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	567.13	99.56
For >1,000, Deduct	-28.36	
For 100 PSI, Deduct	-106.23	
33 42 11 00-0094 LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	637.40	110.34
For >1,000, Deduct	-31.87	
For 100 PSI, Deduct	-120.12	
33 42 11 00-0095 LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	710.95	120.15
For >1,000, Deduct	-35.55	
For 100 PSI, Deduct	-134.83	
33 42 11 00-0096 LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	807.58	134.86
For >1,000, Deduct	-40.38	
For 100 PSI, Deduct	-153.62	
33 42 11 00-0097 LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	904.21	150.19
For >1,000, Deduct	-45.21	
For 100 PSI, Deduct	-172.41	
33 42 11 00-0098 LF 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,117.49	175.33
For >1,000, Deduct	-55.87	
For 100 PSI, Deduct	-216.54	
33 42 11 00-0099 LF 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,315.61	200.21
For >1,000, Deduct	-65.78	
For 100 PSI, Deduct	-257.40	
33 42 11 00-0100 LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,534.93	216.46
For >1,000, Deduct	-76.75	
For 100 PSI, Deduct	-306.42	
33 42 11 00-0101 LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,733.85	229.88
For >1,000, Deduct	-86.69	
For 100 PSI, Deduct	-351.37	
33 42 11 00-0102 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,096.18	243.28
For >1,000, Deduct	-104.81	
For 100 PSI, Deduct	-437.16	
33 42 11 00-0103 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,440.57	255.55
For >1,000, Deduct	-122.03	
For 100 PSI, Deduct	-518.88	
33 42 11 00-0104 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,660.73	267.82
For >1,000, Deduct	-133.04	
For 100 PSI, Deduct	-569.54	
33 42 11 00-0105 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,884.19	280.09
For >1,000, Deduct	-144.21	
For 100 PSI, Deduct	-621.02	
33 42 11 00-0106 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,106.01	292.36
For >1,000, Deduct	-155.30	
For 100 PSI, Deduct	-672.09	
33 42 11 00-0107 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,327.81	304.63
For >1,000, Deduct	-166.39	
For 100 PSI, Deduct	-723.16	
33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets⁽³³⁾		
42 11 00-0081		
33 42 11 00-0109 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	485.08	159.19
33 42 11 00-0110 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	670.56	227.42
33 42 11 00-0111 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	861.39	303.22
33 42 11 00-0112 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,052.22	379.04
33 42 11 00-0113 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,276.40	471.01
33 42 11 00-0114 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,636.13	631.72
33 42 11 00-0115 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,038.07	757.71
33 42 11 00-0116 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,373.37	884.36
33 42 11 00-0117 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,670.99	1,009.91
33 42 11 00-0118 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,284.46	1,261.04
33 42 11 00-0119 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,307.17	1,716.47
33 42 11 00-0120 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,800.03	1,900.38
33 42 11 00-0121 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,292.90	2,084.29
33 42 11 00-0122 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,396.14	2,390.80
33 42 11 00-0123 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,492.62	2,697.32
33 42 11 00-0124 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,879.84	3,065.13
33 42 11 00-0125 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,260.31	3,432.94
33 42 11 00-0126 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	13,704.12	4,351.97
33 42 11 00-0127 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,092.64	5,222.35
33 42 11 00-0128 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,201.32	6,963.15
33 42 11 00-0129 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	27,227.61	8,703.93
33 42 11 00-0130 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	30,757.97	9,387.81
33 42 11 00-0131 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	34,292.97	10,071.69
33 42 11 00-0132 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	44,921.45	10,755.56
33 42 11 00-0133 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	41,435.73	11,439.45
33 42 11 00-0134 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets⁽³³⁾		
42 11 00-0081		
33 42 11 00-0135 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	451.74	159.19
33 42 11 00-0136 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	627.42	227.42
33 42 11 00-0137 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	810.40	303.22



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0138	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	993.39	379.04
	33 42 11 00-0139	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,209.72	471.01
	33 42 11 00-0140	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,544.61	589.27
	33 42 11 00-0141	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,933.48	757.71
	33 42 11 00-0142	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,252.44	884.36
	33 42 11 00-0143	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,540.91	1,009.91
	33 42 11 00-0144	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,099.51	1,261.04
	33 42 11 00-0145	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,131.09	1,716.47
	33 42 11 00-0146	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,611.20	1,900.38
	33 42 11 00-0147	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,091.31	2,084.29
	33 42 11 00-0148	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,925.58	2,390.80
	33 42 11 00-0149	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,753.09	2,697.32
	33 42 11 00-0150	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,946.56	3,065.13
	33 42 11 00-0151	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,133.27	3,432.94
	33 42 11 00-0152	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,922.34	4,291.18
	33 42 11 00-0153	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,899.27	5,222.35
	33 42 11 00-0154	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,474.30	6,963.15
	33 42 11 00-0155	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,966.95	8,703.93
	33 42 11 00-0156	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	26,779.39	9,387.81
	33 42 11 00-0157	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	29,596.46	11,439.45
	33 42 11 00-0158	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	32,424.38	10,755.56
	33 42 11 00-0159	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	35,588.49	11,439.45
	33 42 11 00-0160		400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0080)		
	33 42 11 00-0161		400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0160)		
			Note: AWWA C301		
	33 42 11 00-0162	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	283.11	47.63
			For >1,000, Deduct	-14.16	
	33 42 11 00-0163	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	345.48	54.13
			For >1,000, Deduct	-17.27	
	33 42 11 00-0164	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	403.33	59.53
			For >1,000, Deduct	-20.17	
	33 42 11 00-0165		400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0160)		
			Note: AWWA C301		
	33 42 11 00-0166	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	544.19	66.24
			For >1,000, Deduct	-27.21	
	33 42 11 00-0167	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	652.07	85.82
			For >1,000, Deduct	-32.60	
	33 42 11 00-0168	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	751.69	99.56
			For >1,000, Deduct	-37.58	
	33 42 11 00-0169	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	846.38	110.34
			For >1,000, Deduct	-42.32	
	33 42 11 00-0170	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	1,025.91	120.15
			For >1,000, Deduct	-51.30	
	33 42 11 00-0171		Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0160)		
			Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
	33 42 11 00-0172	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,621.68	
	33 42 11 00-0173	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,815.88	
	33 42 11 00-0174	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,912.98	
	33 42 11 00-0175	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,301.38	
	33 42 11 00-0176	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,398.48	
	33 42 11 00-0177	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,592.68	
	33 42 11 00-0178	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,689.78	
	33 42 11 00-0179	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,786.88	
	33 42 11 00-0180	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,854.97	
	33 42 11 00-0181	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,854.97	
	33 42 11 00-0182	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,534.67	
	33 42 11 00-0183	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,534.67	
	33 42 11 00-0184	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,923.06	
	33 42 11 00-0185	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,923.06	
	33 42 11 00-0186	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,408.56	
	33 42 11 00-0187	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	6,408.56	
	33 42 11 00-0188		Quick Test Joints (33 42 11 00-0160)		
	33 42 11 00-0189	EA	30" Quick Test Joint.....	617.79	
	33 42 11 00-0190	EA	36" Quick Test Joint.....	623.21	
	33 42 11 00-0191	EA	42" Quick Test Joint.....	628.62	
	33 42 11 00-0192	EA	48" Quick Test Joint.....	641.35	
	33 42 11 00-0193	EA	54" Quick Test Joint.....	670.86	
	33 42 11 00-0194	EA	60" Quick Test Joint.....	695.30	
	33 42 11 00-0195	EA	66" Quick Test Joint.....	731.94	
	33 42 11 00-0196	EA	72" Quick Test Joint.....	768.57	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0197	Harnessed Joints (33 42 11 00-0160)		
33 42 11 00-0198	Harness Clamp Restrained Joints (33 42 11 00-0197)		
33 42 11 00-0199	EA 30" Harness Clamp Restrained Joint	4,815.06	
33 42 11 00-0200	EA 36" Harness Clamp Restrained Joint	5,002.34	
33 42 11 00-0201	EA 42" Harness Clamp Restrained Joint	5,189.62	
33 42 11 00-0202	EA 48" Harness Clamp Restrained Joint	5,376.90	
33 42 11 00-0203	EA 54" Harness Clamp Restrained Joint	5,578.52	
33 42 11 00-0204	EA 60" Harness Clamp Restrained Joint	5,863.58	
33 42 11 00-0205	EA 66" Harness Clamp Restrained Joint	6,057.72	
33 42 11 00-0206	EA 72" Harness Clamp Restrained Joint	6,488.26	
33 42 11 00-0207	Snap Ring Restrained Joints (33 42 11 00-0197)		
33 42 11 00-0208	EA 30" Snap Ring Restrained Joint	814.05	
33 42 11 00-0209	EA 36" Snap Ring Restrained Joint	928.59	
33 42 11 00-0210	EA 42" Snap Ring Restrained Joint	1,243.16	
33 42 11 00-0211	EA 48" Snap Ring Restrained Joint	1,412.26	
33 42 11 00-0212	EA 54" Snap Ring Restrained Joint	1,595.70	
33 42 11 00-0213	EA 60" Snap Ring Restrained Joint	1,808.01	
33 42 11 00-0214	EA 66" Snap Ring Restrained Joint	2,002.14	
33 42 11 00-0215	EA 72" Snap Ring Restrained Joint	2,232.64	
33 42 11 00-0216	Pipe Repairs (33 42 11 00-0160)		
	Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJD sleeve, 20' pipe.		
33 42 11 00-0217	Lined Cylinder Pipe Repair (33 42 11 00-0216)		
33 42 11 00-0218	EA 30" Lined Cylinder Pipe Repair	6,046.68	
33 42 11 00-0219	EA 36" Lined Cylinder Pipe Repair	7,489.62	
33 42 11 00-0220	EA 42" Lined Cylinder Pipe Repair	10,799.32	
33 42 11 00-0221	Embedded Cylinder Pipe Repair (33 42 11 00-0216)		
	Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0222	EA 48" Embedded Cylinder Pipe Repair	16,213.22	
33 42 11 00-0223	EA 54" Embedded Cylinder Pipe Repair	18,846.72	
33 42 11 00-0224	EA 60" Embedded Cylinder Pipe Repair	21,498.24	
33 42 11 00-0225	EA 66" Embedded Cylinder Pipe Repair	24,290.96	
33 42 11 00-0226	EA 72" Embedded Cylinder Pipe Repair	29,274.43	
33 42 11 00-0227	High Density Polyethylene (HDPE) Drainage Piping (33 42 11)		
33 42 11 00-0228	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0227)		
	Note: Excludes couplings and gaskets.		
33 42 11 00-0229	Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0228)		
33 42 11 00-0230	LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.17	7.02
	For <100, Add	2.81	
	For >1,000, Deduct	-1.51	
33 42 11 00-0231	LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	21.71	8.17
	For <100, Add	3.27	
	For >1,000, Deduct	-1.90	
33 42 11 00-0232	LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	27.05	9.50
	For <100, Add	3.80	
	For >1,000, Deduct	-2.30	
33 42 11 00-0233	LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	31.27	9.83
	For <100, Add	3.94	
	For >1,000, Deduct	-2.55	
33 42 11 00-0234	LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	32.96	10.19
	For <100, Add	4.07	
	For >1,000, Deduct	-2.67	
33 42 11 00-0235	LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	37.98	10.54
	For <100, Add	4.22	
	For >1,000, Deduct	-2.95	
33 42 11 00-0236	LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	47.05	10.93
	For <100, Add	4.37	
	For >1,000, Deduct	-3.45	
33 42 11 00-0237	LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.73	12.80
	For <100, Add	5.12	
	For >1,000, Deduct	-4.57	
33 42 11 00-0238	LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	93.74	17.23
	For <100, Add	6.89	
	For >1,000, Deduct	-6.41	
33 42 11 00-0239	LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	123.69	21.78
	For <100, Add	8.71	
	For >1,000, Deduct	-8.36	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0240	Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0228)</small>		
33 42 11 00-0241	LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	32.74 4.07 -2.66	10.19
33 42 11 00-0242	LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	38.87 4.22 -3.00	10.54
33 42 11 00-0243	LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	48.38 4.37 -3.51	10.93
33 42 11 00-0244	LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	67.84 5.12 -4.67	12.80
33 42 11 00-0245	LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	99.52 6.89 -6.70	17.23
33 42 11 00-0246	LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	127.99 8.71 -8.58	21.78
33 42 11 00-0247	LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	169.40 9.51 -10.85	23.77
33 42 11 00-0248	LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	184.23 10.72 -11.89	26.81
33 42 11 00-0249	Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0227)</small> Note: Excludes couplings and gaskets.		
33 42 11 00-0250	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0249)</small>		
33 42 11 00-0251	LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	17.28 2.81 -1.57	7.02
33 42 11 00-0252	LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	21.75 3.27 -1.90	8.17
33 42 11 00-0253	LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	27.05 3.80 -2.30	9.50
33 42 11 00-0254	LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	31.31 3.94 -2.55	9.83
33 42 11 00-0255	LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	32.96 4.07 -2.67	10.19
33 42 11 00-0256	LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	38.02 4.22 -2.96	10.54
33 42 11 00-0257	LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	47.09 4.37 -3.45	10.93
33 42 11 00-0258	LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	65.73 5.12 -4.57	12.80
33 42 11 00-0259	LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	94.11 6.89 -6.43	17.23
33 42 11 00-0260	LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... <i>For <100, Add</i> <i>For >1,000, Deduct</i>	123.69 8.71 -8.36	21.78
33 42 11 00-0261	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0249)</small>		
33 42 11 00-0262	LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	32.78 4.07 -2.66	10.19
33 42 11 00-0263	LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	38.91 4.22 -3.00	10.54
33 42 11 00-0264	LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	48.42 4.37 -3.51	10.93

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0265 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	67.84 5.12 -4.67	12.80
33 42 11 00-0266 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	99.52 6.89 -6.70	17.23
33 42 11 00-0267 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	127.99 8.71 -8.58	21.78
33 42 11 00-0268 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	169.40 9.51 -10.85	23.77
33 42 11 00-0269 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe For <100, Add For >1,000, Deduct	184.23 10.72 -11.89	26.81
33 42 11 00-0270 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0227) Note: Excludes couplings and gaskets.		
33 42 11 00-0271 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0270)		
33 42 11 00-0272 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	74.36	24.69
33 42 11 00-0273 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	94.32	28.80
33 42 11 00-0274 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	156.97	34.98
33 42 11 00-0275 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	243.56	43.20
33 42 11 00-0276 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	391.08	51.44
33 42 11 00-0277 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	554.16	67.21
33 42 11 00-0278 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	799.44	90.52
33 42 11 00-0279 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,029.92	103.32
33 42 11 00-0280 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,824.05	119.33
33 42 11 00-0281 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,348.92	137.85
33 42 11 00-0282 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	3,936.71	164.59
33 42 11 00-0283 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	4,945.74	195.45
33 42 11 00-0284 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0270)		
33 42 11 00-0285 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	113.63	24.69
33 42 11 00-0286 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	137.42	28.80
33 42 11 00-0287 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	184.18	34.98
33 42 11 00-0288 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	273.55	43.20
33 42 11 00-0289 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	487.58	51.44
33 42 11 00-0290 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	524.56	67.21
33 42 11 00-0291 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	741.85	90.52
33 42 11 00-0292 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0270)		
33 42 11 00-0293 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	44.64	16.46
33 42 11 00-0294 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	55.53	19.21
33 42 11 00-0295 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	82.88	23.32
33 42 11 00-0296 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	104.51	28.80
33 42 11 00-0297 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	154.60	34.29
33 42 11 00-0298 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	248.30	43.89
33 42 11 00-0299 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	328.22	60.35
33 42 11 00-0300 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	641.07	68.58
33 42 11 00-0301 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	896.97	79.55
33 42 11 00-0302 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,051.66	91.89
33 42 11 00-0303 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,347.02	109.72
33 42 11 00-0304 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,828.14	130.30
33 42 11 00-0305 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0270)		
33 42 11 00-0306 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	48.93	16.46
33 42 11 00-0307 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	64.48	19.21
33 42 11 00-0308 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	87.45	23.32
33 42 11 00-0309 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	141.69	28.80
33 42 11 00-0310 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	154.60	34.29
33 42 11 00-0311 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	247.56	43.89
33 42 11 00-0312 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	388.18	60.35
33 42 11 00-0313 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	687.39	68.58
33 42 11 00-0314 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	899.17	79.55
33 42 11 00-0315 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,151.49	91.89



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0316	EA		42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,732.32	109.72
33 42 11 00-0317	EA		48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,173.48	130.30
33 42 11 00-0318			Couplings And End Caps, Corrugated High Density Polyethylene (HDPE)		
			Pipe Fittings (33 42 11 00-0227)		
			Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0319			Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0318)		
33 42 11 00-0320	EA		4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.56	
33 42 11 00-0321	EA		6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.60	
33 42 11 00-0322	EA		8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.08	
33 42 11 00-0323	EA		10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	8.70	
33 42 11 00-0324	EA		12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	9.36	
33 42 11 00-0325	EA		15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	13.33	
33 42 11 00-0326	EA		18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	19.72	
33 42 11 00-0327	EA		24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	31.39	
33 42 11 00-0328	EA		30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	48.19	
33 42 11 00-0329	EA		36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	63.06	
33 42 11 00-0330	EA		42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	99.14	
33 42 11 00-0331	EA		48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	134.09	
33 42 11 00-0332			Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE)		
			Pipe (33 42 11 00-0318)		
33 42 11 00-0333	EA		4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	135.77	
33 42 11 00-0334	EA		6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	142.16	
33 42 11 00-0335	EA		8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	148.85	
33 42 11 00-0336	EA		10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	155.84	
33 42 11 00-0337	EA		12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	164.84	
33 42 11 00-0338	EA		15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	190.85	
33 42 11 00-0339	EA		18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	199.05	
33 42 11 00-0340	EA		24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	226.73	
33 42 11 00-0341	EA		30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	363.46	
33 42 11 00-0342	EA		36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	398.10	
33 42 11 00-0343	EA		42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	433.77	
33 42 11 00-0344	EA		48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	526.82	
33 42 11 00-0345			End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0318)		
33 42 11 00-0346	EA		6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	34.04	
33 42 11 00-0347	EA		8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	39.91	
33 42 11 00-0348	EA		10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	64.34	
33 42 11 00-0349	EA		12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	109.09	
33 42 11 00-0350	EA		15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	126.88	
33 42 11 00-0351	EA		18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	171.32	
33 42 11 00-0352	EA		24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe	177.61	
33 42 11 00-0353			Corrugated Metal Piping (33 42 11)		
33 42 11 00-0354			Galvanized Corrugated Steel Piping (33 42 11 00-0353)		
33 42 11 00-0355			2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0354)		
33 42 11 00-0356			16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0355)		
33 42 11 00-0357	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.75	10.61
			For Bituminous Coated Pipe, Add	5.74	
			For Bituminous Coated And 25% Paved, Add	11.73	
			For Smooth-Flo, Add	20.95	
33 42 11 00-0358	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.66	11.12
			For Bituminous Coated Pipe, Add	7.22	
			For Bituminous Coated And 25% Paved, Add	14.77	
			For Smooth-Flo, Add	26.37	
33 42 11 00-0359	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	59.81	12.13
			For Bituminous Coated Pipe, Add	8.75	
			For Bituminous Coated And 25% Paved, Add	17.89	
			For Smooth-Flo, Add	31.95	
33 42 11 00-0360	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	68.76	13.14
			For Bituminous Coated Pipe, Add	10.46	
			For Bituminous Coated And 25% Paved, Add	21.40	
			For Smooth-Flo, Add	38.22	
33 42 11 00-0361	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	76.38	14.15
			For Bituminous Coated Pipe, Add	11.77	
			For Bituminous Coated And 25% Paved, Add	24.08	
			For Smooth-Flo, Add	43.01	
33 42 11 00-0362	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	100.44	18.19
			For Bituminous Coated Pipe, Add	15.28	
			For Bituminous Coated And 25% Paved, Add	31.24	
			For Smooth-Flo, Add	55.80	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0363 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	130.12	23.81
For Bituminous Coated Pipe, Add	19.27	
For Bituminous Coated And 25% Paved, Add	39.41	
For Smooth-Flo, Add	70.38	
33 42 11 00-0364 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	149.31	28.15
For Bituminous Coated Pipe, Add	22.80	
For Bituminous Coated And 25% Paved, Add	46.63	
For Smooth-Flo, Add	83.27	
33 42 11 00-0365 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	167.68	32.48
For Bituminous Coated Pipe, Add	25.53	
For Bituminous Coated And 25% Paved, Add	52.23	
For Smooth-Flo, Add	93.27	
33 42 11 00-0366 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33)		
<small>42 11 00-0365</small>		
33 42 11 00-0367 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	50.87	10.61
For Bituminous Coated Pipe, Add	5.82	
For Bituminous Coated And 25% Paved, Add	13.49	
For Smooth-Flo, Add	27.26	
33 42 11 00-0368 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	58.97	11.12
For Bituminous Coated Pipe, Add	7.30	
For Bituminous Coated And 25% Paved, Add	16.91	
For Smooth-Flo, Add	34.19	
33 42 11 00-0369 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	67.43	12.13
For Bituminous Coated Pipe, Add	8.84	
For Bituminous Coated And 25% Paved, Add	20.48	
For Smooth-Flo, Add	41.40	
33 42 11 00-0370 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	77.57	13.14
For Bituminous Coated Pipe, Add	10.51	
For Bituminous Coated And 25% Paved, Add	24.35	
For Smooth-Flo, Add	49.23	
33 42 11 00-0371 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	86.62	14.15
For Bituminous Coated Pipe, Add	11.90	
For Bituminous Coated And 25% Paved, Add	27.56	
For Smooth-Flo, Add	55.71	
33 42 11 00-0372 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	112.94	18.19
For Bituminous Coated Pipe, Add	15.28	
For Bituminous Coated And 25% Paved, Add	35.39	
For Smooth-Flo, Add	71.54	
33 42 11 00-0373 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	145.30	23.81
For Bituminous Coated Pipe, Add	19.15	
For Bituminous Coated And 25% Paved, Add	44.36	
For Smooth-Flo, Add	89.67	
33 42 11 00-0374 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	166.69	28.15
For Bituminous Coated Pipe, Add	22.54	
For Bituminous Coated And 25% Paved, Add	52.22	
For Smooth-Flo, Add	105.55	
33 42 11 00-0375 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	187.57	32.48
For Bituminous Coated Pipe, Add	25.33	
For Bituminous Coated And 25% Paved, Add	58.69	
For Smooth-Flo, Add	118.63	
33 42 11 00-0376 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	225.54	36.80
For Bituminous Coated Pipe, Add	31.15	
For Bituminous Coated And 25% Paved, Add	72.17	
For Smooth-Flo, Add	145.89	
33 42 11 00-0377 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33)		
<small>42 11 00-0355</small>		
33 42 11 00-0378 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	83.21	12.13
For Bituminous Coated Pipe, Add	10.12	
For Bituminous Coated And 25% Paved, Add	18.28	
For Smooth-Flo, Add	35.13	
33 42 11 00-0379 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	95.91	13.14
For Bituminous Coated Pipe, Add	11.96	
For Bituminous Coated And 25% Paved, Add	21.61	
For Smooth-Flo, Add	41.52	
33 42 11 00-0380 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	107.52	13.14
For Bituminous Coated Pipe, Add	13.56	
For Bituminous Coated And 25% Paved, Add	24.50	
For Smooth-Flo, Add	47.08	
33 42 11 00-0381 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	138.78	18.19
For Bituminous Coated Pipe, Add	17.25	
For Bituminous Coated And 25% Paved, Add	31.15	
For Smooth-Flo, Add	59.86	
33 42 11 00-0382 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	175.97	23.81
For Bituminous Coated Pipe, Add	21.33	
For Bituminous Coated And 25% Paved, Add	38.52	
For Smooth-Flo, Add	74.02	
33 42 11 00-0383 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	202.12	28.15
For Bituminous Coated Pipe, Add	24.99	
For Bituminous Coated And 25% Paved, Add	45.13	
For Smooth-Flo, Add	86.74	



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0384	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	228.18	32.48
			<i>For Bituminous Coated Pipe, Add</i>	28.22	
			<i>For Bituminous Coated And 25% Paved, Add</i>	50.97	
			<i>For Smooth-Flo, Add</i>	97.95	
33 42 11 00-0385	LF	54"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	270.37	36.80
			<i>For Bituminous Coated Pipe, Add</i>	33.84	
			<i>For Bituminous Coated And 25% Paved, Add</i>	61.11	
			<i>For Smooth-Flo, Add</i>	117.44	
33 42 11 00-0386	LF	60"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	295.70	38.96
			<i>For Bituminous Coated Pipe, Add</i>	37.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	66.92	
			<i>For Smooth-Flo, Add</i>	128.61	
33 42 11 00-0387	LF	66"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	358.64	47.63
			<i>For Bituminous Coated Pipe, Add</i>	45.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	81.47	
			<i>For Smooth-Flo, Add</i>	156.57	
33 42 11 00-0388			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾		
			<small>^{42 11 00-0355)}</small>		
33 42 11 00-0389	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	204.67	23.81
			<i>For Bituminous Coated Pipe, Add</i>	27.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	45.32	
			<i>For Smooth-Flo, Add</i>	64.67	
33 42 11 00-0390	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	235.70	28.15
			<i>For Bituminous Coated Pipe, Add</i>	31.78	
			<i>For Bituminous Coated And 25% Paved, Add</i>	53.09	
			<i>For Smooth-Flo, Add</i>	75.76	
33 42 11 00-0391	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	266.28	32.48
			<i>For Bituminous Coated Pipe, Add</i>	35.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	60.01	
			<i>For Smooth-Flo, Add</i>	85.62	
33 42 11 00-0392	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	313.06	36.80
			<i>For Bituminous Coated Pipe, Add</i>	42.55	
			<i>For Bituminous Coated And 25% Paved, Add</i>	71.07	
			<i>For Smooth-Flo, Add</i>	101.41	
33 42 11 00-0393	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	343.21	38.96
			<i>For Bituminous Coated Pipe, Add</i>	46.73	
			<i>For Bituminous Coated And 25% Paved, Add</i>	78.06	
			<i>For Smooth-Flo, Add</i>	111.38	
33 42 11 00-0394	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	410.86	47.63
			<i>For Bituminous Coated Pipe, Add</i>	55.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	93.37	
			<i>For Smooth-Flo, Add</i>	133.23	
33 42 11 00-0395	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	478.76	69.28
			<i>For Bituminous Coated Pipe, Add</i>	60.02	
			<i>For Bituminous Coated And 25% Paved, Add</i>	100.25	
			<i>For Smooth-Flo, Add</i>	143.05	
33 42 11 00-0396			3" x 1" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0354)		
33 42 11 00-0397			16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0396)		
33 42 11 00-0398	LF	36"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	156.44	23.81
			<i>For Bituminous Coated Pipe, Add</i>	21.19	
			<i>For Bituminous Coated And 25% Paved, Add</i>	48.09	
			<i>For Smooth-Flo, Add</i>	95.76	
33 42 11 00-0399	LF	42"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	179.50	28.15
			<i>For Bituminous Coated Pipe, Add</i>	24.88	
			<i>For Bituminous Coated And 25% Paved, Add</i>	56.47	
			<i>For Smooth-Flo, Add</i>	112.45	
33 42 11 00-0400	LF	48"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	201.68	32.48
			<i>For Bituminous Coated Pipe, Add</i>	27.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	63.34	
			<i>For Smooth-Flo, Add</i>	126.12	
33 42 11 00-0401	LF	54"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	241.73	36.80
			<i>For Bituminous Coated Pipe, Add</i>	34.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	77.37	
			<i>For Smooth-Flo, Add</i>	154.05	
33 42 11 00-0402	LF	60"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	263.37	38.96
			<i>For Bituminous Coated Pipe, Add</i>	37.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	84.29	
			<i>For Smooth-Flo, Add</i>	167.84	
33 42 11 00-0403	LF	66"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	331.73	47.63
			<i>For Bituminous Coated Pipe, Add</i>	47.69	
			<i>For Bituminous Coated And 25% Paved, Add</i>	108.27	
			<i>For Smooth-Flo, Add</i>	215.58	
33 42 11 00-0404	LF	72"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	391.95	69.28
			<i>For Bituminous Coated Pipe, Add</i>	50.84	
			<i>For Bituminous Coated And 25% Paved, Add</i>	115.40	
			<i>For Smooth-Flo, Add</i>	229.79	
33 42 11 00-0405	LF	78"	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	421.51	75.77
			<i>For Bituminous Coated Pipe, Add</i>	53.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	122.57	
			<i>For Smooth-Flo, Add</i>	244.05	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0406 LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	448.12	81.18
For Bituminous Coated Pipe, Add	57.15	
For Bituminous Coated And 25% Paved, Add	129.73	
For Smooth-Flo, Add	258.32	
33 42 11 00-0407 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	474.78	86.59
For Bituminous Coated Pipe, Add	60.32	
For Bituminous Coated And 25% Paved, Add	136.92	
For Smooth-Flo, Add	272.64	
33 42 11 00-0408 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	502.11	92.01
For Bituminous Coated Pipe, Add	63.46	
For Bituminous Coated And 25% Paved, Add	144.05	
For Smooth-Flo, Add	286.84	
33 42 11 00-0409 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	532.60	97.42
For Bituminous Coated Pipe, Add	66.64	
For Bituminous Coated And 25% Paved, Add	151.27	
For Smooth-Flo, Add	301.21	
33 42 11 00-0410 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-		
⁰³⁹⁶⁾		
33 42 11 00-0411 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	268.59	36.80
For Bituminous Coated Pipe, Add	39.45	
For Bituminous Coated And 25% Paved, Add	77.33	
For Smooth-Flo, Add	156.24	
33 42 11 00-0412 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	293.08	38.96
For Bituminous Coated Pipe, Add	43.07	
For Bituminous Coated And 25% Paved, Add	84.43	
For Smooth-Flo, Add	170.57	
33 42 11 00-0413 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	364.42	47.63
For Bituminous Coated Pipe, Add	54.23	
For Bituminous Coated And 25% Paved, Add	106.29	
For Smooth-Flo, Add	214.76	
33 42 11 00-0414 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	427.56	69.28
For Bituminous Coated Pipe, Add	57.96	
For Bituminous Coated And 25% Paved, Add	113.60	
For Smooth-Flo, Add	229.52	
33 42 11 00-0415 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	459.97	75.77
For Bituminous Coated Pipe, Add	61.69	
For Bituminous Coated And 25% Paved, Add	120.90	
For Smooth-Flo, Add	244.28	
33 42 11 00-0416 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	489.62	81.18
For Bituminous Coated Pipe, Add	65.45	
For Bituminous Coated And 25% Paved, Add	128.28	
For Smooth-Flo, Add	259.18	
33 42 11 00-0417 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	519.08	86.59
For Bituminous Coated Pipe, Add	69.18	
For Bituminous Coated And 25% Paved, Add	135.59	
For Smooth-Flo, Add	273.94	
33 42 11 00-0418 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	549.33	92.01
For Bituminous Coated Pipe, Add	72.90	
For Bituminous Coated And 25% Paved, Add	142.89	
For Smooth-Flo, Add	288.70	
33 42 11 00-0419 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	582.68	97.42
For Bituminous Coated Pipe, Add	76.66	
For Bituminous Coated And 25% Paved, Add	150.25	
For Smooth-Flo, Add	303.56	
33 42 11 00-0420 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	618.52	108.24
For Bituminous Coated Pipe, Add	80.41	
For Bituminous Coated And 25% Paved, Add	157.60	
For Smooth-Flo, Add	318.41	
33 42 11 00-0421 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	653.57	119.07
For Bituminous Coated Pipe, Add	84.09	
For Bituminous Coated And 25% Paved, Add	164.81	
For Smooth-Flo, Add	332.98	
33 42 11 00-0422 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-		
⁰³⁹⁶⁾		
33 42 11 00-0423 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	358.99	38.96
For Bituminous Coated Pipe, Add	56.26	
For Bituminous Coated And 25% Paved, Add	107.17	
For Smooth-Flo, Add	174.67	
33 42 11 00-0424 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	437.42	47.63
For Bituminous Coated Pipe, Add	68.83	
For Bituminous Coated And 25% Paved, Add	131.12	
For Smooth-Flo, Add	213.72	
33 42 11 00-0425 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	506.93	69.28
For Bituminous Coated Pipe, Add	73.83	
For Bituminous Coated And 25% Paved, Add	140.65	
For Smooth-Flo, Add	229.25	
33 42 11 00-0426 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	545.77	75.77
For Bituminous Coated Pipe, Add	78.85	
For Bituminous Coated And 25% Paved, Add	150.20	
For Smooth-Flo, Add	244.82	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0427	LF		84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	581.79	81.18
			<i>For Bituminous Coated Pipe, Add</i>	83.88	
			<i>For Bituminous Coated And 25% Paved, Add</i>	159.80	
			<i>For Smooth-Flo, Add</i>	260.46	
33 42 11 00-0428	LF		90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	617.68	86.59
			<i>For Bituminous Coated Pipe, Add</i>	88.90	
			<i>For Bituminous Coated And 25% Paved, Add</i>	169.35	
			<i>For Smooth-Flo, Add</i>	276.03	
33 42 11 00-0429	LF		96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	654.43	92.01
			<i>For Bituminous Coated Pipe, Add</i>	93.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	178.93	
			<i>For Smooth-Flo, Add</i>	291.63	
33 42 11 00-0430	LF		102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	694.20	97.42
			<i>For Bituminous Coated Pipe, Add</i>	98.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	188.52	
			<i>For Smooth-Flo, Add</i>	307.27	
33 42 11 00-0431	LF		108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	736.36	108.24
			<i>For Bituminous Coated Pipe, Add</i>	103.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	198.07	
			<i>For Smooth-Flo, Add</i>	322.84	
33 42 11 00-0432	LF		114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	777.90	119.07
			<i>For Bituminous Coated Pipe, Add</i>	108.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	207.55	
			<i>For Smooth-Flo, Add</i>	338.30	
33 42 11 00-0433	LF		120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	818.38	129.89
			<i>For Bituminous Coated Pipe, Add</i>	113.99	
			<i>For Bituminous Coated And 25% Paved, Add</i>	217.15	
			<i>For Smooth-Flo, Add</i>	353.94	
33 42 11 00-0434			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0396)</small>		
33 42 11 00-0435	LF		72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	580.94	69.28
			<i>For Bituminous Coated Pipe, Add</i>	88.64	
			<i>For Bituminous Coated And 25% Paved, Add</i>	168.41	
			<i>For Smooth-Flo, Add</i>	225.14	
33 42 11 00-0436	LF		78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	625.86	75.77
			<i>For Bituminous Coated Pipe, Add</i>	94.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	180.24	
			<i>For Smooth-Flo, Add</i>	240.95	
33 42 11 00-0437	LF		84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	667.95	81.18
			<i>For Bituminous Coated Pipe, Add</i>	101.12	
			<i>For Bituminous Coated And 25% Paved, Add</i>	192.12	
			<i>For Smooth-Flo, Add</i>	256.83	
33 42 11 00-0438	LF		90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	709.91	86.59
			<i>For Bituminous Coated Pipe, Add</i>	107.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	203.95	
			<i>For Smooth-Flo, Add</i>	272.65	
33 42 11 00-0439	LF		96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	752.73	92.01
			<i>For Bituminous Coated Pipe, Add</i>	113.58	
			<i>For Bituminous Coated And 25% Paved, Add</i>	215.81	
			<i>For Smooth-Flo, Add</i>	288.50	
33 42 11 00-0440	LF		102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	798.58	97.42
			<i>For Bituminous Coated Pipe, Add</i>	119.84	
			<i>For Bituminous Coated And 25% Paved, Add</i>	227.69	
			<i>For Smooth-Flo, Add</i>	304.38	
33 42 11 00-0441	LF		108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	846.81	108.24
			<i>For Bituminous Coated Pipe, Add</i>	126.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	239.52	
			<i>For Smooth-Flo, Add</i>	320.20	
33 42 11 00-0442	LF		114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	894.36	119.07
			<i>For Bituminous Coated Pipe, Add</i>	132.24	
			<i>For Bituminous Coated And 25% Paved, Add</i>	251.26	
			<i>For Smooth-Flo, Add</i>	335.90	
33 42 11 00-0443	LF		120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	940.97	129.89
			<i>For Bituminous Coated Pipe, Add</i>	138.51	
			<i>For Bituminous Coated And 25% Paved, Add</i>	263.17	
			<i>For Smooth-Flo, Add</i>	351.81	
33 42 11 00-0444	LF		126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	989.43	140.72
			<i>For Bituminous Coated Pipe, Add</i>	144.71	
			<i>For Bituminous Coated And 25% Paved, Add</i>	274.96	
			<i>For Smooth-Flo, Add</i>	367.57	
33 42 11 00-0445	LF		132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	1,040.75	151.54
			<i>For Bituminous Coated Pipe, Add</i>	150.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	286.84	
			<i>For Smooth-Flo, Add</i>	383.45	
33 42 11 00-0446	LF		138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	1,095.41	162.37
			<i>For Bituminous Coated Pipe, Add</i>	157.23	
			<i>For Bituminous Coated And 25% Paved, Add</i>	298.74	
			<i>For Smooth-Flo, Add</i>	399.36	
33 42 11 00-0447			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0354)</small>		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0448 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0447)</small>		
33 42 11 00-0449 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	202.45	32.48
For Bituminous Coated Pipe, Add	35.07	
For Bituminous Coated And 25% Paved, Add	79.96	
For Smooth-Flo, Add	126.95	
33 42 11 00-0450 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	243.22	36.80
For Bituminous Coated Pipe, Add	42.98	
For Bituminous Coated And 25% Paved, Add	97.98	
For Smooth-Flo, Add	155.57	
33 42 11 00-0451 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	264.67	38.96
For Bituminous Coated Pipe, Add	46.74	
For Bituminous Coated And 25% Paved, Add	106.57	
For Smooth-Flo, Add	169.20	
33 42 11 00-0452 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	328.63	47.63
For Bituminous Coated Pipe, Add	58.84	
For Bituminous Coated And 25% Paved, Add	134.16	
For Smooth-Flo, Add	213.01	
33 42 11 00-0453 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	388.50	69.28
For Bituminous Coated Pipe, Add	62.69	
For Bituminous Coated And 25% Paved, Add	142.92	
For Smooth-Flo, Add	226.92	
33 42 11 00-0454 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	417.58	75.77
For Bituminous Coated Pipe, Add	66.51	
For Bituminous Coated And 25% Paved, Add	151.64	
For Smooth-Flo, Add	240.77	
33 42 11 00-0455 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	443.65	81.18
For Bituminous Coated Pipe, Add	70.32	
For Bituminous Coated And 25% Paved, Add	160.33	
For Smooth-Flo, Add	254.56	
33 42 11 00-0456 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	469.65	86.59
For Bituminous Coated Pipe, Add	74.12	
For Bituminous Coated And 25% Paved, Add	168.98	
For Smooth-Flo, Add	268.30	
33 42 11 00-0457 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	496.70	92.01
For Bituminous Coated Pipe, Add	77.97	
For Bituminous Coated And 25% Paved, Add	177.78	
For Smooth-Flo, Add	282.26	
33 42 11 00-0458 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	527.07	97.42
For Bituminous Coated Pipe, Add	81.92	
For Bituminous Coated And 25% Paved, Add	186.77	
For Smooth-Flo, Add	296.54	
33 42 11 00-0459 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0447)</small>		
33 42 11 00-0460 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	276.80	36.80
For Bituminous Coated Pipe, Add	41.10	
For Bituminous Coated And 25% Paved, Add	96.58	
For Smooth-Flo, Add	174.86	
33 42 11 00-0461 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	302.01	38.96
For Bituminous Coated Pipe, Add	44.86	
For Bituminous Coated And 25% Paved, Add	105.42	
For Smooth-Flo, Add	190.88	
33 42 11 00-0462 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	369.36	47.63
For Bituminous Coated Pipe, Add	55.22	
For Bituminous Coated And 25% Paved, Add	129.77	
For Smooth-Flo, Add	234.96	
33 42 11 00-0463 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	432.50	69.28
For Bituminous Coated Pipe, Add	58.95	
For Bituminous Coated And 25% Paved, Add	138.53	
For Smooth-Flo, Add	250.82	
33 42 11 00-0464 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	465.57	75.77
For Bituminous Coated Pipe, Add	62.81	
For Bituminous Coated And 25% Paved, Add	147.59	
For Smooth-Flo, Add	267.24	
33 42 11 00-0465 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	495.39	81.18
For Bituminous Coated Pipe, Add	66.60	
For Bituminous Coated And 25% Paved, Add	156.52	
For Smooth-Flo, Add	283.40	
33 42 11 00-0466 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	523.24	86.59
For Bituminous Coated Pipe, Add	70.01	
For Bituminous Coated And 25% Paved, Add	164.52	
For Smooth-Flo, Add	297.89	
33 42 11 00-0467 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	555.70	92.01
For Bituminous Coated Pipe, Add	74.18	
For Bituminous Coated And 25% Paved, Add	174.32	
For Smooth-Flo, Add	315.63	
33 42 11 00-0468 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	589.23	97.42
For Bituminous Coated Pipe, Add	77.97	
For Bituminous Coated And 25% Paved, Add	183.22	
For Smooth-Flo, Add	331.75	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0469	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	625.07	108.24
			<i>For Bituminous Coated Pipe, Add</i>	81.72	
			<i>For Bituminous Coated And 25% Paved, Add</i>	192.03	
			<i>For Smooth-Flo, Add</i>	347.70	
33 42 11 00-0470	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	660.96	119.07
			<i>For Bituminous Coated Pipe, Add</i>	85.56	
			<i>For Bituminous Coated And 25% Paved, Add</i>	201.08	
			<i>For Smooth-Flo, Add</i>	364.07	
33 42 11 00-0471			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
			Piping <small>(33 42 11 00-0447)</small>		
33 42 11 00-0472	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	371.91	38.96
			<i>For Bituminous Coated Pipe, Add</i>	58.84	
			<i>For Bituminous Coated And 25% Paved, Add</i>	111.80	
			<i>For Smooth-Flo, Add</i>	201.82	
33 42 11 00-0473	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	446.35	47.63
			<i>For Bituminous Coated Pipe, Add</i>	70.62	
			<i>For Bituminous Coated And 25% Paved, Add</i>	134.17	
			<i>For Smooth-Flo, Add</i>	242.22	
33 42 11 00-0474	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	516.81	69.28
			<i>For Bituminous Coated Pipe, Add</i>	75.81	
			<i>For Bituminous Coated And 25% Paved, Add</i>	144.04	
			<i>For Smooth-Flo, Add</i>	260.03	
33 42 11 00-0475	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	556.37	75.77
			<i>For Bituminous Coated Pipe, Add</i>	80.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	153.84	
			<i>For Smooth-Flo, Add</i>	277.71	
33 42 11 00-0476	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	592.75	81.18
			<i>For Bituminous Coated Pipe, Add</i>	86.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	163.54	
			<i>For Smooth-Flo, Add</i>	295.24	
33 42 11 00-0477	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	629.47	86.59
			<i>For Bituminous Coated Pipe, Add</i>	91.26	
			<i>For Bituminous Coated And 25% Paved, Add</i>	173.39	
			<i>For Smooth-Flo, Add</i>	313.01	
33 42 11 00-0478	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	666.81	92.01
			<i>For Bituminous Coated Pipe, Add</i>	96.40	
			<i>For Bituminous Coated And 25% Paved, Add</i>	183.16	
			<i>For Smooth-Flo, Add</i>	330.65	
33 42 11 00-0479	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	707.06	97.42
			<i>For Bituminous Coated Pipe, Add</i>	101.53	
			<i>For Bituminous Coated And 25% Paved, Add</i>	192.91	
			<i>For Smooth-Flo, Add</i>	348.25	
33 42 11 00-0480	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	750.05	108.24
			<i>For Bituminous Coated Pipe, Add</i>	106.71	
			<i>For Bituminous Coated And 25% Paved, Add</i>	202.75	
			<i>For Smooth-Flo, Add</i>	366.02	
33 42 11 00-0481	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	792.43	119.07
			<i>For Bituminous Coated Pipe, Add</i>	111.86	
			<i>For Bituminous Coated And 25% Paved, Add</i>	212.53	
			<i>For Smooth-Flo, Add</i>	383.67	
33 42 11 00-0482	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	833.44	129.89
			<i>For Bituminous Coated Pipe, Add</i>	117.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	222.30	
			<i>For Smooth-Flo, Add</i>	401.32	
33 42 11 00-0483			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
			Piping <small>(33 42 11 00-0447)</small>		
33 42 11 00-0484	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	597.55	69.28
			<i>For Bituminous Coated Pipe, Add</i>	91.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	174.72	
			<i>For Smooth-Flo, Add</i>	274.49	
33 42 11 00-0485	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	644.62	75.77
			<i>For Bituminous Coated Pipe, Add</i>	98.62	
			<i>For Bituminous Coated And 25% Paved, Add</i>	187.37	
			<i>For Smooth-Flo, Add</i>	294.37	
33 42 11 00-0486	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	688.02	81.18
			<i>For Bituminous Coated Pipe, Add</i>	105.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	199.75	
			<i>For Smooth-Flo, Add</i>	313.81	
33 42 11 00-0487	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	731.11	86.59
			<i>For Bituminous Coated Pipe, Add</i>	111.58	
			<i>For Bituminous Coated And 25% Paved, Add</i>	212.01	
			<i>For Smooth-Flo, Add</i>	333.08	
33 42 11 00-0488	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	775.36	92.01
			<i>For Bituminous Coated Pipe, Add</i>	118.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	224.41	
			<i>For Smooth-Flo, Add</i>	352.56	
33 42 11 00-0489	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	822.28	97.42
			<i>For Bituminous Coated Pipe, Add</i>	124.58	
			<i>For Bituminous Coated And 25% Paved, Add</i>	236.69	
			<i>For Smooth-Flo, Add</i>	371.86	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0490 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	871.94	108.24
For Bituminous Coated Pipe, Add	131.09	
For Bituminous Coated And 25% Paved, Add	249.07	
For Smooth-Flo, Add	391.30	
33 42 11 00-0491 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	921.10	119.07
For Bituminous Coated Pipe, Add	137.59	
For Bituminous Coated And 25% Paved, Add	261.42	
For Smooth-Flo, Add	410.71	
33 42 11 00-0492 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	968.72	129.89
For Bituminous Coated Pipe, Add	144.06	
For Bituminous Coated And 25% Paved, Add	273.71	
For Smooth-Flo, Add	430.01	
33 42 11 00-0493 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	1,028.84	140.72
For Bituminous Coated Pipe, Add	152.60	
For Bituminous Coated And 25% Paved, Add	289.93	
For Smooth-Flo, Add	455.50	
33 42 11 00-0494 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	1,084.09	151.54
For Bituminous Coated Pipe, Add	159.63	
For Bituminous Coated And 25% Paved, Add	303.30	
For Smooth-Flo, Add	476.51	
33 42 11 00-0495 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	1,143.99	162.37
For Bituminous Coated Pipe, Add	166.95	
For Bituminous Coated And 25% Paved, Add	317.20	
For Smooth-Flo, Add	498.33	
33 42 11 00-0496 Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0354)		
33 42 11 00-0497 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0496)		
33 42 11 00-0498 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	70.05	12.13
For Bituminous Coated Pipe, Add	10.81	
33 42 11 00-0499 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	80.79	13.14
For Bituminous Coated Pipe, Add	12.88	
33 42 11 00-0500 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	90.49	14.15
For Bituminous Coated Pipe, Add	14.62	
33 42 11 00-0501 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	118.18	18.19
For Bituminous Coated Pipe, Add	18.84	
33 42 11 00-0502 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	151.85	23.81
For Bituminous Coated Pipe, Add	23.61	
33 42 11 00-0503 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	174.61	28.15
For Bituminous Coated Pipe, Add	27.84	
33 42 11 00-0504 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	196.68	32.48
For Bituminous Coated Pipe, Add	31.34	
33 42 11 00-0505 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	236.08	36.80
For Bituminous Coated Pipe, Add	38.39	
33 42 11 00-0506 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	257.59	38.96
For Bituminous Coated Pipe, Add	41.91	
33 42 11 00-0507 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0496)		
33 42 11 00-0508 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	77.79	12.13
For Bituminous Coated Pipe, Add	12.50	
33 42 11 00-0509 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	89.84	13.14
For Bituminous Coated Pipe, Add	14.86	
33 42 11 00-0510 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	100.79	14.15
For Bituminous Coated Pipe, Add	16.88	
33 42 11 00-0511 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	130.98	18.19
For Bituminous Coated Pipe, Add	21.64	
33 42 11 00-0512 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	167.27	23.81
For Bituminous Coated Pipe, Add	26.97	
33 42 11 00-0513 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	192.65	28.15
For Bituminous Coated Pipe, Add	31.77	
33 42 11 00-0514 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	217.28	32.48
For Bituminous Coated Pipe, Add	35.83	
33 42 11 00-0515 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	259.24	36.80
For Bituminous Coated Pipe, Add	43.41	
33 42 11 00-0516 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	283.37	38.96
For Bituminous Coated Pipe, Add	47.51	
33 42 11 00-0517 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	348.76	47.63
For Bituminous Coated Pipe, Add	59.02	
33 42 11 00-0518 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	410.76	69.28
For Bituminous Coated Pipe, Add	63.06	
33 42 11 00-0519 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	442.35	75.77
For Bituminous Coated Pipe, Add	67.18	
33 42 11 00-0520 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0496)		
33 42 11 00-0521 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	156.94	18.19
For Bituminous Coated Pipe, Add	22.61	
33 42 11 00-0522 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	198.30	23.81
For Bituminous Coated Pipe, Add	27.93	
33 42 11 00-0523 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	228.98	28.15
For Bituminous Coated Pipe, Add	32.86	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0524	LF		48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	258.72 37.15	32.48
33 42 11 00-0525	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	305.92 44.34	36.80
33 42 11 00-0526	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	335.29 48.68	38.96
33 42 11 00-0527	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	405.74 59.06	47.63
33 42 11 00-0528	LF		72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	472.87 63.34	69.28
33 42 11 00-0529	LF		78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	509.57 67.67	75.77
33 42 11 00-0530	LF		84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	543.21 71.98	81.18
33 42 11 00-0531	LF		90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	576.77 76.28	86.59
33 42 11 00-0532	LF		96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	611.14 80.58	92.01
33 42 11 00-0533	LF		102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	645.97 84.40	97.42
33 42 11 00-0534			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0354)		
33 42 11 00-0535			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0534)		
33 42 11 00-0536	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.40 2.76	6.07
33 42 11 00-0537	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.71 3.33	6.07
33 42 11 00-0538	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.63 3.66	7.58
33 42 11 00-0539	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	32.55 4.37	7.58
33 42 11 00-0540	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.40 4.59	9.10
33 42 11 00-0541	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	41.11 5.50	9.10
33 42 11 00-0542			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0534)		
33 42 11 00-0543	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.72 2.72	6.07
33 42 11 00-0544	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.96 3.25	6.07
33 42 11 00-0545	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.95 3.58	7.58
33 42 11 00-0546	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	33.06 4.31	7.58
33 42 11 00-0547	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.95 4.53	9.10
33 42 11 00-0548	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	41.76 5.43	9.10
33 42 11 00-0549			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0534)		
33 42 11 00-0550	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.06 3.84	
33 42 11 00-0551	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.58 5.08	
33 42 11 00-0552	EA		10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	27.69 6.23	
33 42 11 00-0553	EA		6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	61.52 8.49	
33 42 11 00-0554	EA		6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	11.23 1.94	
33 42 11 00-0555	EA		8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.64 2.91	
33 42 11 00-0556			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0354)		
33 42 11 00-0557			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0556)		
33 42 11 00-0558	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	79.60	10.61
33 42 11 00-0559	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	95.34	11.12
33 42 11 00-0560	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	111.56	12.13
33 42 11 00-0561	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	130.59	13.14
33 42 11 00-0562	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	146.05	14.15
33 42 11 00-0563	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	190.69	18.19
33 42 11 00-0564	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	244.10	23.81
33 42 11 00-0565	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	284.12	28.15
33 42 11 00-0566	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	318.73	32.48

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0567 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 42)		
11 00-0556		
33 42 11 00-0568 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	92.06	10.61
33 42 11 00-0569 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	110.77	11.12
33 42 11 00-0570 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	130.04	12.13
33 42 11 00-0571 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	152.00	13.14
33 42 11 00-0572 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	170.92	14.15
33 42 11 00-0573 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	221.21	18.19
33 42 11 00-0574 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	280.94	23.81
33 42 11 00-0575 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	326.40	28.15
33 42 11 00-0576 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	366.98	32.48
33 42 11 00-0577 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	446.23	36.80
33 42 11 00-0578 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 42)		
11 00-0556		
33 42 11 00-0579 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	168.57	12.13
33 42 11 00-0580 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	196.99	13.14
33 42 11 00-0581 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	222.07	14.15
33 42 11 00-0582 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	285.11	18.19
33 42 11 00-0583 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	341.95	23.81
33 42 11 00-0584 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	415.79	28.15
33 42 11 00-0585 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	468.99	32.48
33 42 11 00-0586 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	562.62	36.80
33 42 11 00-0587 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	614.88	38.96
33 42 11 00-0588 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	753.98	47.63
33 42 11 00-0589 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 42)		
11 00-0556		
33 42 11 00-0590 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	427.67	23.81
33 42 11 00-0591 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	497.22	28.15
33 42 11 00-0592 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	561.48	32.48
33 42 11 00-0593 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	666.24	36.80
33 42 11 00-0594 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	730.23	38.96
33 42 11 00-0595 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	880.67	47.63
33 42 11 00-0596 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	981.97	69.28
33 42 11 00-0597 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^(33 42 11 00-0354)		
33 42 11 00-0598 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^(33 42 11 00-0597)		
33 42 11 00-0599 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	314.84	23.81
33 42 11 00-0600 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	365.68	28.15
33 42 11 00-0601 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	410.17	32.48
33 42 11 00-0602 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	498.23	36.80
33 42 11 00-0603 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	542.46	38.96
33 42 11 00-0604 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	693.35	47.63
33 42 11 00-0605 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	776.91	69.28
33 42 11 00-0606 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	829.73	75.77
33 42 11 00-0607 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	879.74	81.18
33 42 11 00-0608 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	929.78	86.59
33 42 11 00-0609 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	980.44	92.01
33 42 11 00-0610 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,034.42	97.42
33 42 11 00-0611 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^(33 42 11 00-0597)		
33 42 11 00-0612 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	564.85	36.80
33 42 11 00-0613 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	616.09	38.96
33 42 11 00-0614 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	774.45	47.63
33 42 11 00-0615 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	865.12	69.28
33 42 11 00-0616 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	925.15	75.77
33 42 11 00-0617 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	982.63	81.18
33 42 11 00-0618 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,039.67	86.59
33 42 11 00-0619 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,097.48	92.01
33 42 11 00-0620 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,158.72	97.42
33 42 11 00-0621 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,222.27	108.24
33 42 11 00-0622 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,284.52	119.07
33 42 11 00-0623 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^(33 42 11 00-0597)		
33 42 11 00-0624 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	783.61	38.96
33 42 11 00-0625 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	960.81	47.63
33 42 11 00-0626 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,067.63	69.28
33 42 11 00-0627 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,143.90	75.77
33 42 11 00-0628 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,217.53	81.18
33 42 11 00-0629 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,290.84	86.59
33 42 11 00-0630 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,365.02	92.01
33 42 11 00-0631 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,442.39	97.42
33 42 11 00-0632 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,521.96	108.24



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0633 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,600.70	119.07
33 42 11 00-0634 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,678.79	129.89
33 42 11 00-0635 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0597)		
33 42 11 00-0636 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,252.16	69.28
33 42 11 00-0637 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,343.46	75.77
33 42 11 00-0638 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,432.26	81.18
33 42 11 00-0639 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,520.65	86.59
33 42 11 00-0640 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,610.03	92.01
33 42 11 00-0641 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,702.54	97.42
33 42 11 00-0642 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,797.28	108.24
33 42 11 00-0643 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,891.07	119.07
33 42 11 00-0644 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,984.30	129.89
33 42 11 00-0645 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	2,079.11	140.72
33 42 11 00-0646 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	2,177.09	151.54
33 42 11 00-0647 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	2,278.43	162.37
33 42 11 00-0648 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0354)		
33 42 11 00-0649 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0648)		
33 42 11 00-0650 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	395.81	32.48
33 42 11 00-0651 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	482.43	36.80
33 42 11 00-0652 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	524.35	38.96
33 42 11 00-0653 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	659.69	47.63
33 42 11 00-0654 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	740.50	69.28
33 42 11 00-0655 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	790.45	75.77
33 42 11 00-0656 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	837.21	81.18
33 42 11 00-0657 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	883.83	86.59
33 42 11 00-0658 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	931.78	92.01
33 42 11 00-0659 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	983.75	97.42
33 42 11 00-0660 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0648)		
33 42 11 00-0661 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	561.55	36.80
33 42 11 00-0662 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	612.47	38.96
33 42 11 00-0663 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	755.80	47.63
33 42 11 00-0664 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	844.35	69.28
33 42 11 00-0665 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	903.68	75.77
33 42 11 00-0666 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	959.26	81.18
33 42 11 00-0667 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,010.30	86.59
33 42 11 00-0668 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,071.09	92.01
33 42 11 00-0669 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,130.42	97.42
33 42 11 00-0670 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,191.72	108.24
33 42 11 00-0671 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,253.76	119.07
33 42 11 00-0672 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0648)		
33 42 11 00-0673 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	789.10	38.96
33 42 11 00-0674 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	951.22	47.63
33 42 11 00-0675 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,058.23	69.28
33 42 11 00-0676 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,133.79	75.77
33 42 11 00-0677 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,205.93	81.18
33 42 11 00-0678 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,279.02	86.59
33 42 11 00-0679 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,352.43	92.01
33 42 11 00-0680 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,428.56	97.42
33 42 11 00-0681 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,507.90	108.24
33 42 11 00-0682 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,586.34	119.07
33 42 11 00-0683 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,663.36	129.89
33 42 11 00-0684 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0648)		
33 42 11 00-0685 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,252.08	69.28
33 42 11 00-0686 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,345.68	75.77
33 42 11 00-0687 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,434.81	81.18
33 42 11 00-0688 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,523.14	86.59
33 42 11 00-0689 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,612.98	92.01
33 42 11 00-0690 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,705.32	97.42
33 42 11 00-0691 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,800.52	108.24
33 42 11 00-0692 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,895.22	119.07
33 42 11 00-0693 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,988.24	129.89
33 42 11 00-0694 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	2,108.13	140.72
33 42 11 00-0695 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	2,212.76	151.54
33 42 11 00-0696 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	2,323.85	162.37

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 11 00-0697		Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0353)</small>			
33 42 11 00-0698		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0697)</small>			
33 42 11 00-0699		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0698)</small>			
33 42 11 00-0700	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	54.39		11.12
		<i>For Bituminous Coated Pipe, Add</i>	7.86		
		<i>For Bituminous Coated And 25% Paved, Add</i>	19.00		
		<i>For Smooth-Flo, Add</i>	31.34		
33 42 11 00-0701	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	61.36		12.13
		<i>For Bituminous Coated Pipe, Add</i>	9.38		
		<i>For Bituminous Coated And 25% Paved, Add</i>	22.69		
		<i>For Smooth-Flo, Add</i>	37.43		
33 42 11 00-0702	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	70.90		13.14
		<i>For Bituminous Coated Pipe, Add</i>	11.30		
		<i>For Bituminous Coated And 25% Paved, Add</i>	27.31		
		<i>For Smooth-Flo, Add</i>	45.05		
33 42 11 00-0703	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	80.01		14.15
		<i>For Bituminous Coated Pipe, Add</i>	13.02		
		<i>For Bituminous Coated And 25% Paved, Add</i>	31.47		
		<i>For Smooth-Flo, Add</i>	51.91		
33 42 11 00-0704	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	103.71		18.19
		<i>For Bituminous Coated Pipe, Add</i>	16.53		
		<i>For Bituminous Coated And 25% Paved, Add</i>	39.97		
		<i>For Smooth-Flo, Add</i>	65.93		
33 42 11 00-0705	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	136.13		23.81
		<i>For Bituminous Coated Pipe, Add</i>	21.32		
		<i>For Bituminous Coated And 25% Paved, Add</i>	51.54		
		<i>For Smooth-Flo, Add</i>	85.02		
33 42 11 00-0706		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0698)</small>			
33 42 11 00-0707	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	60.76		11.12
		<i>For Bituminous Coated Pipe, Add</i>	8.15		
		<i>For Bituminous Coated And 25% Paved, Add</i>	19.08		
		<i>For Smooth-Flo, Add</i>	31.29		
33 42 11 00-0708	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	69.16		12.13
		<i>For Bituminous Coated Pipe, Add</i>	9.78		
		<i>For Bituminous Coated And 25% Paved, Add</i>	22.88		
		<i>For Smooth-Flo, Add</i>	37.53		
33 42 11 00-0709	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	79.59		13.14
		<i>For Bituminous Coated Pipe, Add</i>	11.62		
		<i>For Bituminous Coated And 25% Paved, Add</i>	27.19		
		<i>For Smooth-Flo, Add</i>	44.60		
33 42 11 00-0710	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	90.07		14.15
		<i>For Bituminous Coated Pipe, Add</i>	13.40		
		<i>For Bituminous Coated And 25% Paved, Add</i>	31.36		
		<i>For Smooth-Flo, Add</i>	51.43		
33 42 11 00-0711	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	116.27		18.19
		<i>For Bituminous Coated Pipe, Add</i>	16.97		
		<i>For Bituminous Coated And 25% Paved, Add</i>	39.71		
		<i>For Smooth-Flo, Add</i>	65.13		
33 42 11 00-0712	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	151.08		23.81
		<i>For Bituminous Coated Pipe, Add</i>	21.62		
		<i>For Bituminous Coated And 25% Paved, Add</i>	50.59		
		<i>For Smooth-Flo, Add</i>	82.97		
33 42 11 00-0713	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	174.91		28.15
		<i>For Bituminous Coated Pipe, Add</i>	25.76		
		<i>For Bituminous Coated And 25% Paved, Add</i>	60.26		
		<i>For Smooth-Flo, Add</i>	98.84		
33 42 11 00-0714		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0698)</small>			
33 42 11 00-0715	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	90.72		12.98
		<i>For Bituminous Coated Pipe, Add</i>	10.58		
		<i>For Bituminous Coated And 25% Paved, Add</i>	23.54		
		<i>For Smooth-Flo, Add</i>	36.20		
33 42 11 00-0716	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	104.43		14.07
		<i>For Bituminous Coated Pipe, Add</i>	12.55		
		<i>For Bituminous Coated And 25% Paved, Add</i>	27.92		
		<i>For Smooth-Flo, Add</i>	42.93		
33 42 11 00-0717	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	117.81		15.15
		<i>For Bituminous Coated Pipe, Add</i>	14.39		
		<i>For Bituminous Coated And 25% Paved, Add</i>	32.02		
		<i>For Smooth-Flo, Add</i>	49.24		
33 42 11 00-0718	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	151.37		19.48
		<i>For Bituminous Coated Pipe, Add</i>	18.12		
		<i>For Bituminous Coated And 25% Paved, Add</i>	40.32		
		<i>For Smooth-Flo, Add</i>	62.01		



	Utilities	33	CS
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0719	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	181.56 22.67 50.45 77.58	23.81
33 42 11 00-0720	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	210.10 26.81 59.67 91.75	28.15
33 42 11 00-0721	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	245.98 31.80 70.77 108.82	32.48
33 42 11 00-0722	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	274.30 35.12 78.15 120.16	36.80
33 42 11 00-0723			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0698)</small>		
33 42 11 00-0724	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	210.26 27.32 57.51 72.53	23.81
33 42 11 00-0725	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	243.56 32.22 67.84 85.56	28.15
33 42 11 00-0726	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	283.91 37.92 79.83 100.67	32.48
33 42 11 00-0727	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	317.17 42.04 88.51 111.62	36.80
33 42 11 00-0728	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	347.62 46.15 97.17 122.54	38.96
33 42 11 00-0729			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0697)</small>		
33 42 11 00-0730			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0729)</small>		
33 42 11 00-0731	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	273.89 40.51 123.16 137.75	36.80
33 42 11 00-0732	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	299.39 44.34 134.78 150.74	38.96
33 42 11 00-0733	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	371.68 55.68 169.28 189.33	47.63
33 42 11 00-0734	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	436.25 59.70 181.48 202.97	69.28
33 42 11 00-0735	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	471.11 63.91 194.30 217.31	75.77
33 42 11 00-0736	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	503.13 68.15 207.18 231.72	81.18
33 42 11 00-0737	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	535.03 72.37 220.00 246.05	86.59
33 42 11 00-0738	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	567.67 76.57 232.78 260.34	92.01
33 42 11 00-0739			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0729)</small>		
33 42 11 00-0740	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	365.36 57.53 150.73 178.34	38.96

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0741 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	444.86 70.32 184.24 217.99	47.63
33 42 11 00-0742 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	515.92 75.63 198.16 234.46	69.28
33 42 11 00-0743 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	557.21 81.13 212.57 251.52	75.77
33 42 11 00-0744 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	595.66 86.66 227.04 268.64	81.18
33 42 11 00-0745 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	634.05 92.17 241.49 285.73	86.59
33 42 11 00-0746 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	673.12 97.66 255.87 302.75	92.01
33 42 11 00-0747 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	715.46 103.21 270.42 319.96	97.42
33 42 11 00-0748 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	760.12 108.73 284.86 337.05	108.24
33 42 11 00-0749 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	807.08 114.79 300.74 355.84	119.07
33 42 11 00-0750 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0729)</small>		
33 42 11 00-0751 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	589.93 90.43 215.23 233.77	69.28
33 42 11 00-0752 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	637.35 97.16 231.25 251.16	75.77
33 42 11 00-0753 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	681.88 103.90 247.29 268.59	81.18
33 42 11 00-0754 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	726.23 110.61 263.25 285.92	86.59
33 42 11 00-0755 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	771.43 117.32 279.23 303.28	92.01
33 42 11 00-0756 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	819.78 124.08 295.30 320.74	97.42
33 42 11 00-0757 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	870.51 130.80 311.31 338.13	108.24
33 42 11 00-0758 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	923.06 137.98 328.40 356.69	119.07
33 42 11 00-0759 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	981.46 146.61 348.92 378.98	129.89
33 42 11 00-0760 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0697)</small>		
33 42 11 00-0761 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0760)</small>		



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0762	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	523.18 77.08 188.08 239.35	69.28
33 42 11 00-0763	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	563.76 82.44 201.16 255.99	75.77
33 42 11 00-0764	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	601.08 87.74 214.09 272.44	81.18
33 42 11 00-0765	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	638.40 93.04 227.02 288.90	86.59
33 42 11 00-0766	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	676.69 98.38 240.04 305.46	92.01
33 42 11 00-0767	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	718.44 103.81 253.29 322.32	97.42
33 42 11 00-0768	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	762.50 109.20 266.45 339.07	108.24
33 42 11 00-0769	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	812.97 115.97 282.96 360.07	119.07
33 42 11 00-0770			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0760)</small>		
33 42 11 00-0771	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	605.11 93.47 211.24 229.47	69.28
33 42 11 00-0772	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	652.24 100.14 226.32 245.84	75.77
33 42 11 00-0773	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	696.23 106.77 241.30 262.13	81.18
33 42 11 00-0774	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	740.40 113.44 256.38 278.50	86.59
33 42 11 00-0775	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	784.23 119.88 270.94 294.32	92.01
33 42 11 00-0776	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	833.53 126.83 286.63 311.36	97.42
33 42 11 00-0777	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	884.38 133.58 301.89 327.93	108.24
33 42 11 00-0778	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	941.58 141.69 320.21 347.84	119.07
33 42 11 00-0779	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	995.16 149.35 337.52 366.64	129.89
33 42 11 00-0780			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0697)</small>		
33 42 11 00-0781			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0780)</small>		
33 42 11 00-0782	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	95.44	11.12
33 42 11 00-0783	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	110.43	12.13
33 42 11 00-0784	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	130.11	13.14
33 42 11 00-0785	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.33	14.15
33 42 11 00-0786	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.74	18.19
33 42 11 00-0787	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	249.19	23.81

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0788 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0780)</small>		
33 42 11 00-0789 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	110.10	11.12
33 42 11 00-0790 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	128.33	12.13
33 42 11 00-0791 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	150.10	13.14
33 42 11 00-0792 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	171.56	14.15
33 42 11 00-0793 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	219.63	18.19
33 42 11 00-0794 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	283.54	23.81
33 42 11 00-0795 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	333.05	28.15
33 42 11 00-0796 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0780)</small>		
33 42 11 00-0797 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	172.22	12.13
33 42 11 00-0798 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	202.08	13.14
33 42 11 00-0799 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	230.43	14.15
33 42 11 00-0800 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	293.10	18.19
33 42 11 00-0801 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	372.28	23.81
33 42 11 00-0802 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	436.39	28.15
33 42 11 00-0803 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	516.17	32.48
33 42 11 00-0804 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	571.87	36.80
33 42 11 00-0805 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0780)</small>		
33 42 11 00-0806 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	441.90	23.81
33 42 11 00-0807 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	517.61	28.15
33 42 11 00-0808 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	608.24	32.48
33 42 11 00-0809 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	675.96	36.80
33 42 11 00-0810 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	740.71	38.96
33 42 11 00-0811 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0697)</small>		
33 42 11 00-0812 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0811)</small>		
33 42 11 00-0813 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	577.92	36.80
33 42 11 00-0814 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	631.47	38.96
33 42 11 00-0815 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	792.30	47.63
33 42 11 00-0816 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	886.55	69.28
33 42 11 00-0817 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	952.66	75.77
33 42 11 00-0818 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,016.04	81.18
33 42 11 00-0819 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,079.11	86.59
33 42 11 00-0820 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,143.11	92.01
33 42 11 00-0821 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0811)</small>		
33 42 11 00-0822 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	799.31	38.96
33 42 11 00-0823 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	979.13	47.63
33 42 11 00-0824 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,089.90	69.28
33 42 11 00-0825 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,172.21	75.77
33 42 11 00-0826 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,251.88	81.18
33 42 11 00-0827 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,331.43	86.59
33 42 11 00-0828 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,411.56	92.01
33 42 11 00-0829 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,495.23	97.42
33 42 11 00-0830 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,581.05	108.24
33 42 11 00-0831 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,673.28	119.07
33 42 11 00-0832 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0811)</small>		
33 42 11 00-0833 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,274.38	69.28
33 42 11 00-0834 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,371.94	75.77
33 42 11 00-0835 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,466.85	81.18
33 42 11 00-0836 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,561.22	86.59
33 42 11 00-0837 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,656.54	92.01
33 42 11 00-0838 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,755.29	97.42
33 42 11 00-0839 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,856.30	108.24
33 42 11 00-0840 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,962.39	119.07
33 42 11 00-0841 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	2,085.10	129.89
33 42 11 00-0842 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0697)</small>		
33 42 11 00-0843 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0842)</small>		
33 42 11 00-0844 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,073.31	69.28
33 42 11 00-0845 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,151.48	75.77
33 42 11 00-0846 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,225.97	81.18
33 42 11 00-0847 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,300.35	86.59
33 42 11 00-0848 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,376.01	92.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0849 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,455.81	97.42
33 42 11 00-0850 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,537.64	108.24
33 42 11 00-0851 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,635.48	119.07
33 42 11 00-0852 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0842)</small>		
33 42 11 00-0853 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,270.06	69.28
33 42 11 00-0854 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,363.85	75.77
33 42 11 00-0855 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,454.31	81.18
33 42 11 00-0856 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,545.19	86.59
33 42 11 00-0857 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,634.28	92.01
33 42 11 00-0858 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,732.12	97.42
33 42 11 00-0859 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,830.31	108.24
33 42 11 00-0860 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,944.52	119.07
33 42 11 00-0861 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	2,051.45	129.89
33 42 11 00-0862 Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0353)</small>		
33 42 11 00-0863 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0862)</small>		
33 42 11 00-0864 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0863)</small>		
33 42 11 00-0865 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	50.99	10.61
For 1/2 Bituminous Coated And 25% Paved, Add	11.69	
33 42 11 00-0866 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.27	11.12
For 1/2 Bituminous Coated And 25% Paved, Add	14.72	
33 42 11 00-0867 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.85	12.13
For 1/2 Bituminous Coated And 25% Paved, Add	17.85	
33 42 11 00-0868 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.34	13.14
For 1/2 Bituminous Coated And 25% Paved, Add	21.34	
33 42 11 00-0869 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.21	14.15
For 1/2 Bituminous Coated And 25% Paved, Add	24.03	
33 42 11 00-0870 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	114.49	18.19
For 1/2 Bituminous Coated And 25% Paved, Add	31.18	
33 42 11 00-0871 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	147.86	23.81
For 1/2 Bituminous Coated And 25% Paved, Add	39.33	
33 42 11 00-0872 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	170.27	28.15
For 1/2 Bituminous Coated And 25% Paved, Add	46.52	
33 42 11 00-0873 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.20	32.48
For 1/2 Bituminous Coated And 25% Paved, Add	52.13	
33 42 11 00-0874 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0863)</small>		
33 42 11 00-0875 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	57.30	10.61
For 1/2 Bituminous Coated And 25% Paved, Add	11.10	
33 42 11 00-0876 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.07	11.12
For 1/2 Bituminous Coated And 25% Paved, Add	13.94	
33 42 11 00-0877 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	77.14	12.13
For 1/2 Bituminous Coated And 25% Paved, Add	16.84	
33 42 11 00-0878 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.12	13.14
For 1/2 Bituminous Coated And 25% Paved, Add	20.03	
33 42 11 00-0879 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	99.72	14.15
For 1/2 Bituminous Coated And 25% Paved, Add	22.68	
33 42 11 00-0880 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	129.79	18.19
For 1/2 Bituminous Coated And 25% Paved, Add	29.13	
33 42 11 00-0881 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.38	23.81
For 1/2 Bituminous Coated And 25% Paved, Add	36.50	
33 42 11 00-0882 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.58	28.15
For 1/2 Bituminous Coated And 25% Paved, Add	42.99	
33 42 11 00-0883 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.49	32.48
For 1/2 Bituminous Coated And 25% Paved, Add	48.30	
33 42 11 00-0884 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.83	36.80
For 1/2 Bituminous Coated And 25% Paved, Add	59.38	
33 42 11 00-0885 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0863)</small>		
33 42 11 00-0886 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	96.67	12.13
For 1/2 Bituminous Coated And 25% Paved, Add	15.70	
33 42 11 00-0887 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	111.93	13.14
For 1/2 Bituminous Coated And 25% Paved, Add	18.58	
33 42 11 00-0888 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	125.62	14.15
For 1/2 Bituminous Coated And 25% Paved, Add	21.05	
33 42 11 00-0889 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	162.12	18.19
For 1/2 Bituminous Coated And 25% Paved, Add	26.83	
33 42 11 00-0890 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	205.38	23.81
For 1/2 Bituminous Coated And 25% Paved, Add	33.30	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0891	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	236.78	28.15
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.06	
33 42 11 00-0892	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	267.06	32.48
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.05	
33 42 11 00-0893	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.72	36.80
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.19	
33 42 11 00-0894	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	348.21	38.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.16	
33 42 11 00-0895	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	425.93	47.63
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.52	
33 42 11 00-0896			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel		
			Piping <small>(33 42 11 00-0893)</small>		
33 42 11 00-0897	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	240.45	23.81
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	36.47	
33 42 11 00-0898	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	277.80	28.15
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.76	
33 42 11 00-0899	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	313.62	32.48
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.28	
33 42 11 00-0900	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	370.94	36.80
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.53	
33 42 11 00-0901	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	406.33	38.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.10	
33 42 11 00-0902	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	489.76	47.63
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.13	
33 42 11 00-0903	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	562.84	69.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	81.62	
33 42 11 00-0904			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0862)</small>		
33 42 11 00-0905			16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-0904)</small>		
33 42 11 00-0906	LF		36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.43	23.81
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.72	
33 42 11 00-0907	LF		42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.82	28.15
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.35	
33 42 11 00-0908	LF		48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	226.69	32.48
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.58	
33 42 11 00-0909	LF		54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	272.28	36.80
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.34	
33 42 11 00-0910	LF		60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.65	38.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.63	
33 42 11 00-0911	LF		66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	374.48	47.63
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	98.43	
33 42 11 00-0912	LF		72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	437.50	69.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	104.91	
33 42 11 00-0913	LF		78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	469.86	75.77
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.41	
33 42 11 00-0914	LF		84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	499.32	81.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	117.93	
33 42 11 00-0915	LF		90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	528.78	86.59
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	124.46	
33 42 11 00-0916	LF		96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	558.98	92.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	130.96	
33 42 11 00-0917	LF		102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.32	97.42
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.52	
33 42 11 00-0918			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-0904)</small>		
33 42 11 00-0919	LF		54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	303.95	36.80
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.95	
33 42 11 00-0920	LF		60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.66	38.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	66.53	
33 42 11 00-0921	LF		66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	413.01	47.63
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.77	
33 42 11 00-0922	LF		72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	479.48	69.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.53	
33 42 11 00-0923	LF		78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	515.23	75.77
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	95.29	
33 42 11 00-0924	LF		84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	548.27	81.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	101.11	
33 42 11 00-0925	LF		90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	581.06	86.59
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.86	
33 42 11 00-0926	LF		96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	614.65	92.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	112.62	
33 42 11 00-0927	LF		102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	651.39	97.42
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.42	
33 42 11 00-0928	LF		108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	690.57	108.24
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	124.21	
33 42 11 00-0929	LF		114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	728.95	119.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	129.90	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0930	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0904)</small>		
33 42 11 00-0931	LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	409.48 89.25	38.96
33 42 11 00-0932	LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	499.16 109.19	47.63
33 42 11 00-0933	LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	573.14 117.12	69.28
33 42 11 00-0934	LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	616.51 125.08	75.77
33 42 11 00-0935	LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	657.05 133.07	81.18
33 42 11 00-0936	LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	697.47 141.03	86.59
33 42 11 00-0937	LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	738.62 148.97	92.01
33 42 11 00-0938	LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	782.92 156.97	97.42
33 42 11 00-0939	LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	829.60 164.93	108.24
33 42 11 00-0940	LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	875.61 172.82	119.07
33 42 11 00-0941	LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	920.61 180.82	129.89

33 42 11 00-0942	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0904)</small>		
33 42 11 00-0943	LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	660.49 143.75	69.28
33 42 11 00-0944	LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	710.89 153.82	75.77
33 42 11 00-0945	LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	758.63 163.97	81.18
33 42 11 00-0946	LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	806.13 174.06	86.59
33 42 11 00-0947	LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	854.55 184.18	92.01
33 42 11 00-0948	LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	906.06 194.33	97.42
33 42 11 00-0949	LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	959.82 204.42	108.24
33 42 11 00-0950	LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,012.97 214.45	119.07
33 42 11 00-0951	LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,065.18 224.61	129.89
33 42 11 00-0952	LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,119.23 234.68	140.72
33 42 11 00-0953	LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,176.15 244.81	151.54
33 42 11 00-0954	LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,236.40 254.96	162.37

33 42 11 00-0955	125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0862)</small>		
33 42 11 00-0956	16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0955)</small>		
33 42 11 00-0957	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.70 71.34	32.48
33 42 11 00-0958	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	274.12 87.41	36.80
33 42 11 00-0959	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	298.26 95.06	38.96
33 42 11 00-0960	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	370.91 119.67	47.63
33 42 11 00-0961	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	433.51 127.47	69.28
33 42 11 00-0962	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	465.39 135.27	75.77
33 42 11 00-0963	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	494.20 143.02	81.18
33 42 11 00-0964	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	522.89 150.72	86.59
33 42 11 00-0965	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	552.73 158.57	92.01
33 42 11 00-0966	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	585.95 166.60	97.42

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0967			14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0955)</small>		
33 42 11 00-0968	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	313.72	36.80
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	82.42	
33 42 11 00-0969	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	342.38	38.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	89.99	
33 42 11 00-0970	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	418.96	47.63
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	110.74	
33 42 11 00-0971	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	485.49	69.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.23	
33 42 11 00-0972	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	522.02	75.77
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.96	
33 42 11 00-0973	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	555.23	81.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	133.57	
33 42 11 00-0974	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	586.18	86.59
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	140.42	
33 42 11 00-0975	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	622.33	92.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.76	
33 42 11 00-0976	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	659.31	97.42
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	156.37	
33 42 11 00-0977	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	698.55	108.24
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	163.90	
33 42 11 00-0978	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	737.89	119.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	171.62	
33 42 11 00-0979			12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0955)</small>		
33 42 11 00-0980	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	424.85	38.96
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	99.28	
33 42 11 00-0981	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	509.88	47.63
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	119.15	
33 42 11 00-0982	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	585.05	69.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	127.92	
33 42 11 00-0983	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	629.19	75.77
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	136.61	
33 42 11 00-0984	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	670.21	81.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	145.24	
33 42 11 00-0985	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	711.64	86.59
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	154.00	
33 42 11 00-0986	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	753.56	92.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	162.66	
33 42 11 00-0987	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	798.46	97.42
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	171.33	
33 42 11 00-0988	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	846.10	108.24
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	180.07	
33 42 11 00-0989	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	893.11	119.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	188.75	
33 42 11 00-0990	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	938.77	129.89
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	197.44	
33 42 11 00-0991			10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0955)</small>		
33 42 11 00-0992	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	680.38	69.28
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	155.19	
33 42 11 00-0993	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	733.39	75.77
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	166.41	
33 42 11 00-0994	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	782.69	81.18
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	177.41	
33 42 11 00-0995	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	831.62	86.59
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	188.31	
33 42 11 00-0996	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	881.64	92.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	199.29	
33 42 11 00-0997	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	934.46	97.42
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	210.23	
33 42 11 00-0998	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	989.95	108.24
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	221.21	
33 42 11 00-0999	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	1,044.95	119.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	232.18	
33 42 11 00-1000	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	1,098.41	129.89
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	243.09	
33 42 11 00-1001	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	1,166.27	140.72
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	257.52	
33 42 11 00-1002	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	1,227.83	151.54
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	269.39	
33 42 11 00-1003	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	1,294.28	162.37
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	281.72	
33 42 11 00-1004			Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0862)</small>		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1005 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping ^(33 42 11 00-1004)		
33 42 11 00-1006 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	78.51	12.13
33 42 11 00-1007 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	90.67	13.14
33 42 11 00-1008 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.80	14.15
33 42 11 00-1009 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	132.29	18.19
33 42 11 00-1010 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	168.76	23.81
33 42 11 00-1011 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	194.38	28.15
33 42 11 00-1012 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	219.24	32.48
33 42 11 00-1013 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	261.50	36.80
33 42 11 00-1014 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	285.81	38.96
33 42 11 00-1015 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping ^(33 42 11 00-1004)		
33 42 11 00-1016 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.68	12.13
33 42 11 00-1017 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.39	13.14
33 42 11 00-1018 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	113.95	14.15
33 42 11 00-1019 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	147.47	18.19
33 42 11 00-1020 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	187.04	23.81
33 42 11 00-1021 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	215.76	28.15
33 42 11 00-1022 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	243.66	32.48
33 42 11 00-1023 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	288.95	36.80
33 42 11 00-1024 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	316.42	38.96
33 42 11 00-1025 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	385.44	47.63
33 42 11 00-1026 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	450.72	69.28
33 42 11 00-1027 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	485.58	75.77
33 42 11 00-1028 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping ^(33 42 11 00-1004)		
33 42 11 00-1029 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	178.26	18.19
33 42 11 00-1030 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	223.90	23.81
33 42 11 00-1031 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	258.93	28.15
33 42 11 00-1032 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	292.90	32.48
33 42 11 00-1033 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	344.32	36.80
33 42 11 00-1034 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	378.04	38.96
33 42 11 00-1035 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	453.08	47.63
33 42 11 00-1036 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	524.43	69.28
33 42 11 00-1037 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	565.42	75.77
33 42 11 00-1038 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	603.29	81.18
33 42 11 00-1039 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	641.20	86.59
33 42 11 00-1040 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	679.73	92.01
33 42 11 00-1041 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	718.38	97.42
33 42 11 00-1042 Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-0353)		
33 42 11 00-1043 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(42 11 00-1042)		
33 42 11 00-1044 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1043)		
33 42 11 00-1045 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	61.41	11.12
For 1/2 Bituminous Coated And 40% Paved, Add	19.02	
33 42 11 00-1046 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	69.76	12.13
For 1/2 Bituminous Coated And 40% Paved, Add	22.72	
33 42 11 00-1047 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	80.96	13.14
For 1/2 Bituminous Coated And 40% Paved, Add	27.33	
33 42 11 00-1048 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	91.62	14.15
For 1/2 Bituminous Coated And 40% Paved, Add	31.50	
33 42 11 00-1049 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	118.48	18.19
For 1/2 Bituminous Coated And 40% Paved, Add	40.01	
33 42 11 00-1050 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	155.19	23.81
For 1/2 Bituminous Coated And 40% Paved, Add	51.61	
33 42 11 00-1051 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1043)		
33 42 11 00-1052 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	69.21	11.12
For 1/2 Bituminous Coated And 40% Paved, Add	19.71	
33 42 11 00-1053 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	79.22	12.13
For 1/2 Bituminous Coated And 40% Paved, Add	23.61	
33 42 11 00-1054 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	91.62	13.14
For 1/2 Bituminous Coated And 40% Paved, Add	28.09	
33 42 11 00-1055 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	103.95	14.15
For 1/2 Bituminous Coated And 40% Paved, Add	32.39	
33 42 11 00-1056 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	133.84	18.19
For 1/2 Bituminous Coated And 40% Paved, Add	41.02	
33 42 11 00-1057 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	173.47	23.81
For 1/2 Bituminous Coated And 40% Paved, Add	52.26	
33 42 11 00-1058 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	201.59	28.15
For 1/2 Bituminous Coated And 40% Paved, Add	62.25	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1059			12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1043)</small>		
33 42 11 00-1060	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	98.52	12.13
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	21.63	
33 42 11 00-1061	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	114.49	13.14
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	25.71	
33 42 11 00-1062	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	129.85	14.15
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.51	
33 42 11 00-1063	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	166.17	18.19
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	37.24	
33 42 11 00-1064	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	212.53	23.81
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	46.82	
33 42 11 00-1065	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	247.14	28.15
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	55.50	
33 42 11 00-1066	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	290.82	32.48
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	66.08	
33 42 11 00-1067	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	323.37	36.80
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	72.84	
33 42 11 00-1068			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1043)</small>		
33 42 11 00-1069	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	247.60	23.81
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	49.27	
33 42 11 00-1070	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	288.04	28.15
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	58.23	
33 42 11 00-1071	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	337.20	32.48
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	68.76	
33 42 11 00-1072	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	375.82	36.80
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	76.13	
33 42 11 00-1073	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	411.63	38.96
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	83.48	
33 42 11 00-1074			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1042)</small>		
33 42 11 00-1075			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1074)</small>		
33 42 11 00-1076	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	310.21	36.80
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	109.41	
33 42 11 00-1077	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	339.10	38.96
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	119.72	
33 42 11 00-1078	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	421.58	47.63
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	150.37	
33 42 11 00-1079	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	489.72	69.28
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	161.20	
33 42 11 00-1080	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	528.39	75.77
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	172.60	
33 42 11 00-1081	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	564.17	81.18
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	184.02	
33 42 11 00-1082	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	599.82	86.59
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	195.40	
33 42 11 00-1083	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	636.32	92.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	206.79	
33 42 11 00-1084			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1074)</small>		
33 42 11 00-1085	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	416.99	38.96
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	136.05	
33 42 11 00-1086	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	507.92	47.63
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	166.28	
33 42 11 00-1087	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	583.74	69.28
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	178.84	
33 42 11 00-1088	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	629.91	75.77
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	191.83	
33 42 11 00-1089	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	673.37	81.18
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	204.91	
33 42 11 00-1090	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	716.70	86.59
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	217.95	
33 42 11 00-1091	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	760.71	92.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	230.94	
33 42 11 00-1092	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	807.99	97.42
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	244.04	
33 42 11 00-1093	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	857.59	108.24
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	257.08	
33 42 11 00-1094	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	910.02	119.07
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	271.43	



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Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1095 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1074)</small>		
33 42 11 00-1096 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	671.03	69.28
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	193.58	
33 42 11 00-1097 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	724.46	75.77
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	207.97	
33 42 11 00-1098 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	775.07	81.18
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	222.41	
33 42 11 00-1099 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	825.42	86.59
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	236.76	
33 42 11 00-1100 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	881.46	92.01
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	252.88	
33 42 11 00-1101 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	931.06	97.42
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	265.59	
33 42 11 00-1102 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	987.87	108.24
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	280.01	
33 42 11 00-1103 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	1,046.80	119.07
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	295.36	
33 42 11 00-1104 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	1,112.93	129.89
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	313.81	
33 42 11 00-1105 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1042)</small>		
33 42 11 00-1106 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1105)</small>		
33 42 11 00-1107 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	592.55	69.28
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	176.00	
33 42 11 00-1108 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	637.95	75.77
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	188.24	
33 42 11 00-1109 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	680.10	81.18
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	200.36	
33 42 11 00-1110 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	722.18	86.59
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	212.46	
33 42 11 00-1111 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	765.24	92.01
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	224.63	
33 42 11 00-1112 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	811.86	97.42
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	237.02	
33 42 11 00-1113 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	860.80	108.24
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	249.35	
33 42 11 00-1114 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	917.35	119.07
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	264.79	
33 42 11 00-1115 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1105)</small>		
33 42 11 00-1116 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	689.25	69.28
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	195.23	
33 42 11 00-1117 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	742.39	75.77
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	209.16	
33 42 11 00-1118 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	792.33	81.18
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	223.01	
33 42 11 00-1119 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	842.51	86.59
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	236.94	
33 42 11 00-1120 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	892.18	92.01
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	250.41	
33 42 11 00-1121 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	947.68	97.42
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	264.89	
33 42 11 00-1122 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,004.66	108.24
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	279.01	
33 42 11 00-1123 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,069.12	119.07
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	295.94	
33 42 11 00-1124 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	1,129.61	129.89
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	311.94	
33 42 11 00-1125 Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-0353)</small>		
33 42 11 00-1126 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1125)</small>		
33 42 11 00-1127 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1126)</small>		
33 42 11 00-1128 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	30.97	6.07
<i>For Bituminous Coated Pipe, Add</i>	3.62	
33 42 11 00-1129 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	40.30	7.58
<i>For Bituminous Coated Pipe, Add</i>	4.91	
33 42 11 00-1130 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	52.37	9.10
<i>For Bituminous Coated Pipe, Add</i>	6.47	

33	33 Utilities
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1131 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1126)</small>		
33 42 11 00-1132 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	35.12 3.59	6.07
33 42 11 00-1133 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	46.17 4.91	7.58
33 42 11 00-1134 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	60.19 6.48	9.10
33 42 11 00-1135 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1125)</small>		
33 42 11 00-1136 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1135)</small>		
33 42 11 00-1137 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	60.53 7.12	10.61
33 42 11 00-1138 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	71.11 8.93	11.12
33 42 11 00-1139 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	82.35 10.86	12.13
33 42 11 00-1140 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	95.57 12.96	13.14
33 42 11 00-1141 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	107.15 14.69	14.15
33 42 11 00-1142 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1135)</small>		
33 42 11 00-1143 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	69.42 6.96	10.61
33 42 11 00-1144 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	82.45 8.76	11.12
33 42 11 00-1145 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	95.93 10.62	12.13
33 42 11 00-1146 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	111.33 12.61	13.14
33 42 11 00-1147 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	125.23 14.33	14.15
33 42 11 00-1148 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	162.29 18.37	18.19
33 42 11 00-1149 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	205.89 22.84	23.81
33 42 11 00-1150 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1135)</small>		
33 42 11 00-1151 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	159.80 13.60	14.15
33 42 11 00-1152 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	205.32 17.30	18.19
33 42 11 00-1153 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	257.58 21.33	23.81
33 42 11 00-1154 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	298.64 25.08	28.15
33 42 11 00-1155 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	337.83 28.39	32.48
33 42 11 00-1156 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	398.34 33.68	36.80
33 42 11 00-1157 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1135)</small>		
33 42 11 00-1158 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	312.67 20.97	23.81
33 42 11 00-1159 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	362.82 24.62	28.15
33 42 11 00-1160 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	411.38 27.94	32.48
33 42 11 00-1161 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	481.09 32.78	36.80
33 42 11 00-1162 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	529.25 36.12	38.96
33 42 11 00-1163 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1125)</small>		
33 42 11 00-1164 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1163)</small>		
33 42 11 00-1165 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	159.48	18.19
33 42 11 00-1166 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	202.38	23.81



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1167 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	233.10	28.15
33 42 11 00-1168 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	264.09	32.48
33 42 11 00-1169 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	312.92	36.80
33 42 11 00-1170 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1163)</small>		
33 42 11 00-1171 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	182.14	18.19
33 42 11 00-1172 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	234.72	23.81
33 42 11 00-1173 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	270.64	28.15
33 42 11 00-1174 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	305.06	32.48
33 42 11 00-1175 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	360.91	36.80
33 42 11 00-1176 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	394.74	38.96
33 42 11 00-1177 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	480.81	47.63
33 42 11 00-1178 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	553.05	69.28
33 42 11 00-1179 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	594.64	75.77
33 42 11 00-1180 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1163)</small>		
33 42 11 00-1181 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	235.06	18.19
33 42 11 00-1182 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	294.23	23.81
33 42 11 00-1183 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	341.76	28.15
33 42 11 00-1184 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	386.62	32.48
33 42 11 00-1185 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	452.47	36.80
33 42 11 00-1186 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	496.13	38.96
33 42 11 00-1187 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	592.01	47.63
33 42 11 00-1188 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	674.32	69.28
33 42 11 00-1189 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	725.82	75.77
33 42 11 00-1190 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	774.54	81.18
33 42 11 00-1191 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	823.09	86.59
33 42 11 00-1192 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	872.43	92.01
33 42 11 00-1193 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1163)</small>		
33 42 11 00-1194 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	602.77	38.96
33 42 11 00-1195 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	704.81	47.63
33 42 11 00-1196 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	797.25	69.28
33 42 11 00-1197 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	858.88	75.77
33 42 11 00-1198 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	917.57	81.18
33 42 11 00-1199 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	976.22	86.59
33 42 11 00-1200 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,035.61	92.01
33 42 11 00-1201 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,098.22	97.42
33 42 11 00-1202 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,163.16	108.24
33 42 11 00-1203 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1125)</small>		
<small>Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.</small>		
33 42 11 00-1204 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1205 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	112.87	12.13
33 42 11 00-1206 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.33	13.14
33 42 11 00-1207 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	147.71	14.15
33 42 11 00-1208 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	170.60	16.17
33 42 11 00-1209 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	190.52	18.19
33 42 11 00-1210 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	213.93	20.22
33 42 11 00-1211 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1212 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	132.04	12.13
33 42 11 00-1213 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	153.49	13.14
33 42 11 00-1214 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.49	14.15
33 42 11 00-1215 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	199.53	16.17
33 42 11 00-1216 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	222.62	18.19
33 42 11 00-1217 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	249.29	20.22
33 42 11 00-1218 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	278.74	23.81
33 42 11 00-1219 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	323.29	28.15
33 42 11 00-1220 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	365.90	32.48
33 42 11 00-1221 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1222 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	285.38	18.19
33 42 11 00-1223 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.19	20.22
33 42 11 00-1224 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	354.00	23.81

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1225 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	411.18	28.15
33 42 11 00-1226 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.35	32.48
33 42 11 00-1227 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	651.98	36.80
33 42 11 00-1228 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	717.92	38.96
33 42 11 00-1229 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1203)</small>		
33 42 11 00-1230 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	671.00	32.48
33 42 11 00-1231 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	778.16	36.80
33 42 11 00-1232 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	858.26	38.96
33 42 11 00-1233 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	995.75	47.63
33 42 11 00-1234 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,112.36	69.28
33 42 11 00-1235 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,199.32	75.77
33 42 11 00-1236 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,282.55	81.18
33 42 11 00-1237 Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0353)</small>		
33 42 11 00-1238 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1237)</small>		
33 42 11 00-1239 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1238)</small>		
33 42 11 00-1240 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	75.16	11.12
<i>For Bituminous Coated Pipe, Add</i>	8.95	
33 42 11 00-1241 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	86.18	12.13
<i>For Bituminous Coated Pipe, Add</i>	10.69	
33 42 11 00-1242 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	99.94	13.14
<i>For Bituminous Coated Pipe, Add</i>	12.72	
33 42 11 00-1243 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1238)</small>		
33 42 11 00-1244 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	86.52	11.12
<i>For Bituminous Coated Pipe, Add</i>	8.92	
33 42 11 00-1245 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	97.09	12.13
<i>For Bituminous Coated Pipe, Add</i>	10.28	
33 42 11 00-1246 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	115.69	13.14
<i>For Bituminous Coated Pipe, Add</i>	12.62	
33 42 11 00-1247 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	131.16	14.15
<i>For Bituminous Coated Pipe, Add</i>	14.48	
33 42 11 00-1248 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	168.18	18.19
<i>For Bituminous Coated Pipe, Add</i>	18.32	
33 42 11 00-1249 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1238)</small>		
33 42 11 00-1250 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	165.75	14.15
<i>For Bituminous Coated Pipe, Add</i>	13.80	
33 42 11 00-1251 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	211.32	18.19
<i>For Bituminous Coated Pipe, Add</i>	17.40	
33 42 11 00-1252 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	267.73	23.81
<i>For Bituminous Coated Pipe, Add</i>	21.72	
33 42 11 00-1253 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	312.01	28.15
<i>For Bituminous Coated Pipe, Add</i>	25.69	
33 42 11 00-1254 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1238)</small>		
33 42 11 00-1255 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	322.74	23.81
<i>For Bituminous Coated Pipe, Add</i>	20.96	
33 42 11 00-1256 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	376.29	28.15
<i>For Bituminous Coated Pipe, Add</i>	24.73	
33 42 11 00-1257 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	438.44	32.48
<i>For Bituminous Coated Pipe, Add</i>	28.97	
33 42 11 00-1258 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	489.98	36.80
<i>For Bituminous Coated Pipe, Add</i>	32.24	
33 42 11 00-1259 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1237)</small>		
33 42 11 00-1260 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1259)</small>		
33 42 11 00-1261 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	369.81	36.80
33 42 11 00-1262 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	405.08	38.96
33 42 11 00-1263 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	493.59	47.63
33 42 11 00-1264 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1259)</small>		
33 42 11 00-1265 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	461.37	36.80
33 42 11 00-1266 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	506.47	38.96
33 42 11 00-1267 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	604.34	47.63
33 42 11 00-1268 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	687.58	69.28
33 42 11 00-1269 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	740.02	75.77



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1270 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	789.68	81.18
33 42 11 00-1271 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1259)		
33 42 11 00-1272 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	612.95	38.96
33 42 11 00-1273 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	716.68	47.63
33 42 11 00-1274 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	810.03	69.28
33 42 11 00-1275 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	872.60	75.77
33 42 11 00-1276 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	932.23	81.18
33 42 11 00-1277 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	991.78	86.59
33 42 11 00-1278 Corrugated Steel Pipe Fittings (33 42 11 00-0353)		
Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1279 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings (33 42 11 00-1278)		
Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1280 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	88.31	
33 42 11 00-1281 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	110.75	
33 42 11 00-1282 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	133.19	
33 42 11 00-1283 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	157.05	
33 42 11 00-1284 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	190.67	
33 42 11 00-1285 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	224.31	
33 42 11 00-1286 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	257.96	
33 42 11 00-1287 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	291.60	
33 42 11 00-1288 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	379.93	
33 42 11 00-1289 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	452.82	
33 42 11 00-1290 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	525.74	
33 42 11 00-1291 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	679.95	
33 42 11 00-1292 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	766.88	
33 42 11 00-1293 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	856.61	
33 42 11 00-1294 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	949.14	
33 42 11 00-1295 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,156.62	
33 42 11 00-1296 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,261.76	
33 42 11 00-1297 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,369.71	
33 42 11 00-1298 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,680.95	
33 42 11 00-1299 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,804.34	
33 42 11 00-1300 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,929.11	
33 42 11 00-1301 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,053.87	
33 42 11 00-1302 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,177.25	
33 42 11 00-1303 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,302.03	
33 42 11 00-1304 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,433.58	
33 42 11 00-1305 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,572.66	
33 42 11 00-1306 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,719.65	
33 42 11 00-1307 Fabricate Corrugated Steel Pipe Tees Or Laterals (33 42 11 00-1278)		
Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1308 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	114.96	
33 42 11 00-1309 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	147.21	
33 42 11 00-1310 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	179.43	
33 42 11 00-1311 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	211.70	
33 42 11 00-1312 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	257.96	
33 42 11 00-1313 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	305.62	
33 42 11 00-1314 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	353.31	
33 42 11 00-1315 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	400.94	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1316 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	525.74	
33 42 11 00-1317 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	626.68	
33 42 11 00-1318 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	729.01	
33 42 11 00-1319 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	946.32	
33 42 11 00-1320 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,065.49	
33 42 11 00-1321 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,188.85	
33 42 11 00-1322 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,315.03	
33 42 11 00-1323 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,603.83	
33 42 11 00-1324 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,746.85	
33 42 11 00-1325 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,892.65	
33 42 11 00-1326 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,328.63	
33 42 11 00-1327 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,495.49	
33 42 11 00-1328 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,662.32	
33 42 11 00-1329 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,830.54	
33 42 11 00-1330 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,998.78	
33 42 11 00-1331 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,165.59	
33 42 11 00-1332 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,341.72	
33 42 11 00-1333 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,527.61	
33 42 11 00-1334 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,723.84	

33 42 11 00-1335 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1278)

Note: Applied to pipe tasks.

33 42 11 00-1336 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	44.24	
33 42 11 00-1337 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	55.65	
33 42 11 00-1338 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	70.00	
33 42 11 00-1339 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	85.71	
33 42 11 00-1340 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	108.47	
33 42 11 00-1341 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	132.81	
33 42 11 00-1342 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	155.56	
33 42 11 00-1343 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	180.74	
33 42 11 00-1344 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	222.00	
33 42 11 00-1345 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	264.69	
33 42 11 00-1346 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	315.82	
33 42 11 00-1347 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	388.49	
33 42 11 00-1348 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	439.73	
33 42 11 00-1349 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	495.21	
33 42 11 00-1350 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	600.54	
33 42 11 00-1351 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	665.98	
33 42 11 00-1352 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	812.56	
33 42 11 00-1353 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	885.16	
33 42 11 00-1354 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	962.03	
33 42 11 00-1355 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,037.40	
33 42 11 00-1356 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,114.25	
33 42 11 00-1357 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,192.50	
33 42 11 00-1358 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,269.38	
33 42 11 00-1359 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,346.20	
33 42 11 00-1360 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,427.68	
33 42 11 00-1361 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,514.07	
33 42 11 00-1362 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,605.71	

33 42 11 00-1363 Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1278)

Note: For Field Tap

33 42 11 00-1364 EA 6" Saddle, Corrugated Steel Pipe Fitting.....	339.07	
33 42 11 00-1365 EA 8" Saddle, Corrugated Steel Pipe Fitting.....	382.35	
33 42 11 00-1366 EA 10" Saddle, Corrugated Steel Pipe Fitting.....	439.34	
33 42 11 00-1367 EA 12" Saddle, Corrugated Steel Pipe Fitting.....	537.89	
33 42 11 00-1368 EA 15" Saddle, Corrugated Steel Pipe Fitting.....	664.99	
33 42 11 00-1369 EA 18" Saddle, Corrugated Steel Pipe Fitting.....	794.77	
33 42 11 00-1370 EA 21" Saddle, Corrugated Steel Pipe Fitting.....	1,003.32	
33 42 11 00-1371 EA 24" Saddle, Corrugated Steel Pipe Fitting.....	1,193.33	
33 42 11 00-1372 EA 30" Saddle, Corrugated Steel Pipe Fitting.....	1,499.35	
33 42 11 00-1373 EA 36" Saddle, Corrugated Steel Pipe Fitting.....	1,936.12	
33 42 11 00-1374 EA 42" Saddle, Corrugated Steel Pipe Fitting.....	2,287.30	
33 42 11 00-1375 EA 48" Saddle, Corrugated Steel Pipe Fitting.....	2,691.04	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1376	EA	54" Saddle, Corrugated Steel Pipe Fitting	3,202.79	
	33 42 11 00-1377	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,797.83	
	33 42 11 00-1378	EA	66" Saddle, Corrugated Steel Pipe Fitting	4,325.14	
	33 42 11 00-1379	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,820.95	
	33 42 11 00-1380	EA	78" Saddle, Corrugated Steel Pipe Fitting	5,654.13	
	33 42 11 00-1381	EA	84" Saddle, Corrugated Steel Pipe Fitting	6,246.79	
	33 42 11 00-1382	EA	90" Saddle, Corrugated Steel Pipe Fitting	7,399.55	
	33 42 11 00-1383	EA	96" Saddle, Corrugated Steel Pipe Fitting	8,180.98	
	33 42 11 00-1384	EA	102" Saddle, Corrugated Steel Pipe Fitting	9,284.89	
	33 42 11 00-1385	EA	108" Saddle, Corrugated Steel Pipe Fitting	10,539.32	
	33 42 11 00-1386	EA	114" Saddle, Corrugated Steel Pipe Fitting	11,962.01	
	33 42 11 00-1387	EA	120" Saddle, Corrugated Steel Pipe Fitting	13,575.23	
	33 42 11 00-1388		Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1278)		
	33 42 11 00-1389	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	20.72	
			<i>For Bituminous Coated, Add</i>	6.01	
	33 42 11 00-1390	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	27.51	
			<i>For Bituminous Coated, Add</i>	7.98	
	33 42 11 00-1391	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	34.65	
			<i>For Bituminous Coated, Add</i>	10.05	
	33 42 11 00-1392	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	57.52	
			<i>For Bituminous Coated, Add</i>	16.68	
	33 42 11 00-1393	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	72.52	
			<i>For Bituminous Coated, Add</i>	21.03	
	33 42 11 00-1394	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	106.40	
			<i>For Bituminous Coated, Add</i>	30.86	
	33 42 11 00-1395	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	126.29	
			<i>For Bituminous Coated, Add</i>	36.62	
	33 42 11 00-1396	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	143.20	
			<i>For Bituminous Coated, Add</i>	41.53	
	33 42 11 00-1397	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	247.82	
			<i>For Bituminous Coated, Add</i>	71.87	
	33 42 11 00-1398	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	396.50	
			<i>For Bituminous Coated, Add</i>	95.16	
	33 42 11 00-1399	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	465.86	
			<i>For Bituminous Coated, Add</i>	111.81	
	33 42 11 00-1400	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	522.01	
			<i>For Bituminous Coated, Add</i>	125.28	
	33 42 11 00-1401	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	740.30	
			<i>For Bituminous Coated, Add</i>	177.67	
	33 42 11 00-1402	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	1,058.85	
			<i>For Bituminous Coated, Add</i>	190.59	
	33 42 11 00-1403	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,301.31	
			<i>For Bituminous Coated, Add</i>	234.24	
	33 42 11 00-1404	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,671.61	
			<i>For Bituminous Coated, Add</i>	234.03	
	33 42 11 00-1405	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,787.90	
			<i>For Bituminous Coated, Add</i>	250.31	
	33 42 11 00-1406	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,904.84	
			<i>For Bituminous Coated, Add</i>	266.68	
	33 42 11 00-1407	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	2,021.19	
			<i>For Bituminous Coated, Add</i>	282.97	
	33 42 11 00-1408	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	2,137.83	
			<i>For Bituminous Coated, Add</i>	299.30	
	33 42 11 00-1409	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	2,254.77	
			<i>For Bituminous Coated, Add</i>	315.67	
	33 42 11 00-1410	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,371.18	
			<i>For Bituminous Coated, Add</i>	331.97	
	33 42 11 00-1411	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,808.41	
			<i>For Bituminous Coated, Add</i>	337.01	
	33 42 11 00-1412	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,603.82	
			<i>For Bituminous Coated, Add</i>	312.46	
	33 42 11 00-1413	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,719.86	
			<i>For Bituminous Coated, Add</i>	326.38	
	33 42 11 00-1414	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,836.75	
			<i>For Bituminous Coated, Add</i>	340.41	
	33 42 11 00-1415	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,953.75	
			<i>For Bituminous Coated, Add</i>	354.45	
	33 42 11 00-1416		Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1278)		
	33 42 11 00-1417	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	753.84	161.72
	33 42 11 00-1418	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	866.24	202.15
	33 42 11 00-1419	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,001.63	262.79
	33 42 11 00-1420	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,457.02	363.87
	33 42 11 00-1421	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,915.70	424.51
	33 42 11 00-1422	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,604.93	497.92
	33 42 11 00-1423	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,112.26	584.52
	33 42 11 00-1424	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,642.08	584.52
	33 42 11 00-1425	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,393.65	801.00
	33 42 11 00-1426	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,000.99	801.00
	33 42 11 00-1427	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,817.03	1,017.49

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1428 EA 72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	6,171.31	1,082.44
33 42 11 00-1429 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1278)		
33 42 11 00-1430 EA 12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	513.50	121.29
33 42 11 00-1431 EA 15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	626.83	151.61
33 42 11 00-1432 EA 18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	731.01	202.15
33 42 11 00-1433 EA 24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,011.78	283.01
33 42 11 00-1434 EA 30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,295.06	323.44
33 42 11 00-1435 EA 36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,772.80	368.03
33 42 11 00-1436 EA 42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,115.95	432.97
33 42 11 00-1437 EA 48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,427.89	432.97
33 42 11 00-1438 EA 54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,979.01	606.17
33 42 11 00-1439 EA 60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	3,421.83	606.17
33 42 11 00-1440 EA 66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	4,071.88	757.71
33 42 11 00-1441 EA 72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	4,375.55	806.42
33 42 11 00-1442 Vitrified Clay Piping (33 42 11)		
33 42 11 00-1443 Extra Strength Vitrified Clay Piping (33 42 11 00-1442)		
33 42 11 00-1444 Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-1443)		
Note: ASTM C700.		
33 42 11 00-1445 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	22.06	
For 3' Lengths, Add	1.93	
For 2' Lengths, Add	2.57	
For Standard Strength, Deduct	-0.64	
For >1,000, Deduct	-1.10	
33 42 11 00-1446 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	36.63	
For 3' Lengths, Add	2.99	
For 2' Lengths, Add	3.99	
For Standard Strength, Deduct	-1.00	
For >1,000, Deduct	-1.83	
33 42 11 00-1447 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	43.87	
For 3' Lengths, Add	4.28	
For 2' Lengths, Add	5.71	
For Standard Strength, Deduct	-1.43	
For >1,000, Deduct	-2.19	
33 42 11 00-1448 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	52.75	
For 3' Lengths, Add	6.56	
For 2' Lengths, Add	8.74	
For Standard Strength, Deduct	-2.19	
For >1,000, Deduct	-2.64	
33 42 11 00-1449 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	64.55	
For 3' Lengths, Add	9.26	
For 2' Lengths, Add	12.34	
For Standard Strength, Deduct	-3.09	
For >1,000, Deduct	-3.23	
33 42 11 00-1450 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	95.33	
For 3' Lengths, Add	17.35	
For 2' Lengths, Add	23.14	
For Standard Strength, Deduct	-5.78	
For >1,000, Deduct	-4.77	
33 42 11 00-1451 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	129.67	
For 3' Lengths, Add	24.87	
For 2' Lengths, Add	33.16	
For Standard Strength, Deduct	-8.29	
For >1,000, Deduct	-6.48	
33 42 11 00-1452 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	191.79	
For 3' Lengths, Add	39.84	
For 2' Lengths, Add	53.12	
For Standard Strength, Deduct	-13.28	
For >1,000, Deduct	-9.59	
33 42 11 00-1453 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	245.13	
For 3' Lengths, Add	52.05	
For 2' Lengths, Add	69.40	
For Standard Strength, Deduct	-17.35	
For >1,000, Deduct	-12.26	
33 42 11 00-1454 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	303.30	
For 3' Lengths, Add	64.91	
For 2' Lengths, Add	86.54	
For Standard Strength, Deduct	-21.64	
For >1,000, Deduct	-15.17	
33 42 11 00-1455 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	366.94	
For 3' Lengths, Add	78.40	
For 2' Lengths, Add	104.54	
For Standard Strength, Deduct	-26.13	
For >1,000, Deduct	-18.35	
33 42 11 00-1456 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-1443)		
Note: ASTM C425.		



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Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1457	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	31.27	
			<i>For 3' Lengths, Add</i>	2.27	
			<i>For 2' Lengths, Add</i>	3.03	
			<i>For Standard Strength, Deduct</i>	-0.76	
			<i>For >1,000, Deduct</i>	-1.56	
33 42 11 00-1458	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	39.03	
			<i>For 3' Lengths, Add</i>	3.71	
			<i>For 2' Lengths, Add</i>	4.95	
			<i>For Standard Strength, Deduct</i>	-1.24	
			<i>For >1,000, Deduct</i>	-1.95	
33 42 11 00-1459	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	47.08	
			<i>For 3' Lengths, Add</i>	5.24	
			<i>For 2' Lengths, Add</i>	6.99	
			<i>For Standard Strength, Deduct</i>	-1.75	
			<i>For >1,000, Deduct</i>	-2.35	
33 42 11 00-1460	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	59.60	
			<i>For 3' Lengths, Add</i>	8.61	
			<i>For 2' Lengths, Add</i>	11.48	
			<i>For Standard Strength, Deduct</i>	-2.87	
			<i>For >1,000, Deduct</i>	-2.98	
33 42 11 00-1461	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	71.40	
			<i>For 3' Lengths, Add</i>	11.31	
			<i>For 2' Lengths, Add</i>	15.08	
			<i>For Standard Strength, Deduct</i>	-3.77	
			<i>For >1,000, Deduct</i>	-3.57	
33 42 11 00-1462	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	106.25	
			<i>For 3' Lengths, Add</i>	20.63	
			<i>For 2' Lengths, Add</i>	27.50	
			<i>For Standard Strength, Deduct</i>	-6.88	
			<i>For >1,000, Deduct</i>	-5.31	
33 42 11 00-1463	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	147.45	
			<i>For 3' Lengths, Add</i>	30.20	
			<i>For 2' Lengths, Add</i>	40.27	
			<i>For Standard Strength, Deduct</i>	-10.07	
			<i>For >1,000, Deduct</i>	-7.37	
33 42 11 00-1464	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	212.14	
			<i>For 3' Lengths, Add</i>	45.95	
			<i>For 2' Lengths, Add</i>	61.26	
			<i>For Standard Strength, Deduct</i>	-15.32	
			<i>For >1,000, Deduct</i>	-10.61	
33 42 11 00-1465	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	277.26	
			<i>For 3' Lengths, Add</i>	61.69	
			<i>For 2' Lengths, Add</i>	82.26	
			<i>For Standard Strength, Deduct</i>	-20.56	
			<i>For >1,000, Deduct</i>	-13.86	
33 42 11 00-1466	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	444.68	
			<i>For 3' Lengths, Add</i>	107.32	
			<i>For 2' Lengths, Add</i>	143.09	
			<i>For Standard Strength, Deduct</i>	-35.77	
			<i>For >1,000, Deduct</i>	-22.23	
33 42 11 00-1467	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	632.56	
			<i>For 3' Lengths, Add</i>	158.09	
			<i>For 2' Lengths, Add</i>	210.78	
			<i>For Standard Strength, Deduct</i>	-52.70	
			<i>For >1,000, Deduct</i>	-31.63	
33 42 11 00-1468			Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-1442)		
33 42 11 00-1469			1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1468)		
33 42 11 00-1470			Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-1469)		
33 42 11 00-1471	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	92.77	
33 42 11 00-1472	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	125.44	
33 42 11 00-1473	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	179.65	
33 42 11 00-1474	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	247.43	
33 42 11 00-1475	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	327.25	
33 42 11 00-1476	EA		15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	784.02	
33 42 11 00-1477	EA		18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,106.15	
33 42 11 00-1478	EA		21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,726.69	
33 42 11 00-1479	EA		24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,992.65	
33 42 11 00-1480	EA		30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,313.59	
33 42 11 00-1481	EA		36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,472.83	
33 42 11 00-1482			Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1469)		
33 42 11 00-1483	EA		4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	104.80	
33 42 11 00-1484	EA		6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	149.30	
33 42 11 00-1485	EA		8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	202.57	
33 42 11 00-1486	EA		10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	272.01	
33 42 11 00-1487	EA		12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	345.57	
33 42 11 00-1488	EA		15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	879.34	
33 42 11 00-1489	EA		18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,279.79	
33 42 11 00-1490	EA		21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,314.98	
33 42 11 00-1491	EA		24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,552.17	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1492	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,841.68	
	33 42 11 00-1493	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,222.28	
33 42 11 00-1494			1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1468)		
33 42 11 00-1495			Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1494)		
	33 42 11 00-1496	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	108.41	
	33 42 11 00-1497	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	144.28	
	33 42 11 00-1498	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	201.68	
	33 42 11 00-1499	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	271.35	
	33 42 11 00-1500	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	354.21	
	33 42 11 00-1501	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	814.01	
	33 42 11 00-1502	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,143.55	
	33 42 11 00-1503	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,773.86	
	33 42 11 00-1504	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,049.94	
	33 42 11 00-1505	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,385.03	
	33 42 11 00-1506	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,552.25	
33 42 11 00-1507			Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1494)		
	33 42 11 00-1508	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	123.55	
	33 42 11 00-1509	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	171.90	
	33 42 11 00-1510	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	229.00	
	33 42 11 00-1511	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	300.73	
	33 42 11 00-1512	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	377.92	
	33 42 11 00-1513	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	915.34	
	33 42 11 00-1514	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,324.68	
	33 42 11 00-1515	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,572.38	
	33 42 11 00-1516	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,620.91	
	33 42 11 00-1517	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,927.42	
	33 42 11 00-1518	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	4,317.59	
33 42 11 00-1519			Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1468)		
33 42 11 00-1520			Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1519)		
	33 42 11 00-1521	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	118.94	
	33 42 11 00-1522	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	155.42	
	33 42 11 00-1523	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	211.54	
	33 42 11 00-1524	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	280.18	
	33 42 11 00-1525	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	354.48	
	33 42 11 00-1526	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	821.69	
	33 42 11 00-1527	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,150.26	
	33 42 11 00-1528	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,662.54	
	33 42 11 00-1529	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,314.28	
	33 42 11 00-1530	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,448.42	
	33 42 11 00-1531	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,523.34	
33 42 11 00-1532			Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1519)		
	33 42 11 00-1533	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	145.34	
	33 42 11 00-1534	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	199.60	
	33 42 11 00-1535	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	263.13	
	33 42 11 00-1536	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	341.06	
	33 42 11 00-1537	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	425.80	
	33 42 11 00-1538	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	999.53	
	33 42 11 00-1539	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,441.14	
	33 42 11 00-1540	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,140.41	
	33 42 11 00-1541	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,836.28	
	33 42 11 00-1542	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,280.30	
	33 42 11 00-1543	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,658.91	
33 42 11 00-1544			Vitrified Clay Couplings (33 42 11 00-1442)		
33 42 11 00-1545			Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-1544)		
			Note: Stainless steel tightening band at each end (Fernco #1002)		
	33 42 11 00-1546	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	34.85	
	33 42 11 00-1547	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	34.56	
	33 42 11 00-1548	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	46.19	
	33 42 11 00-1549	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	43.87	
	33 42 11 00-1550	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	55.69	
	33 42 11 00-1551	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	57.70	
	33 42 11 00-1552	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	53.25	
	33 42 11 00-1553	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	74.67	
	33 42 11 00-1554	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	69.58	
	33 42 11 00-1555	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	96.15	
	33 42 11 00-1556	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	88.28	
	33 42 11 00-1557	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	118.24	
	33 42 11 00-1558	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	100.18	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1559 EA 15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	195.07	
33 42 11 00-1560 EA 15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	152.03	
33 42 11 00-1561 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 42 11 00-1544)		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-1562 EA 4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	74.53	
33 42 11 00-1563 EA 6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	99.20	
33 42 11 00-1564 EA 6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	104.88	
33 42 11 00-1565 EA 8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	109.96	
33 42 11 00-1566 EA 10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	135.69	
33 42 11 00-1567 EA 12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	157.41	
33 42 11 00-1568 Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 42 11 00-1544)		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-1569 EA 4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	76.43	
33 42 11 00-1570 EA 6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	101.11	
33 42 11 00-1571 EA 6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	92.64	
33 42 11 00-1572 EA 8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	121.34	
33 42 11 00-1573 EA 10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	175.55	
33 42 11 00-1574 EA 12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	198.35	
33 42 13 Stormwater Culverts (33 42)		
33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)		
33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)		
Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0936 for crane lifting equipment.		
33 42 13 13-0002 LF 3' x 3' Precast Reinforced Concrete Box Culvert	432.64	54.13
<i>For Each LF Of Cut-Off Section, Add</i>		
	17.31	
33 42 13 13-0003 LF 4' x 2' Precast Reinforced Concrete Box Culvert	487.41	54.13
<i>For Each LF Of Cut-Off Section, Add</i>		
	19.50	
33 42 13 13-0004 LF 4' x 3' Precast Reinforced Concrete Box Culvert	575.88	54.13
<i>For Each LF Of Cut-Off Section, Add</i>		
	23.04	
33 42 13 13-0005 LF 5' x 3' Precast Reinforced Concrete Box Culvert	691.42	67.66
<i>For Each LF Of Cut-Off Section, Add</i>		
	27.66	
33 42 13 13-0006 LF 5' x 4' Precast Reinforced Concrete Box Culvert	708.27	67.66
<i>For Each LF Of Cut-Off Section, Add</i>		
	28.33	
33 42 13 13-0007 LF 5' x 5' Precast Reinforced Concrete Box Culvert	716.69	67.66
<i>For Each LF Of Cut-Off Section, Add</i>		
	28.67	
33 42 13 13-0008 LF 6' x 3' Precast Reinforced Concrete Box Culvert	738.96	70.36
<i>For Each LF Of Cut-Off Section, Add</i>		
	29.56	
33 42 13 13-0009 LF 6' x 4' Precast Reinforced Concrete Box Culvert	743.17	70.36
<i>For Each LF Of Cut-Off Section, Add</i>		
	29.73	
33 42 13 13-0010 LF 6' x 6' Precast Reinforced Concrete Box Culvert	819.00	70.36
<i>For Each LF Of Cut-Off Section, Add</i>		
	32.76	
33 42 13 13-0011 LF 7' x 4' Precast Reinforced Concrete Box Culvert	840.65	81.18
<i>For Each LF Of Cut-Off Section, Add</i>		
	33.63	
33 42 13 13-0012 LF 7' x 6' Precast Reinforced Concrete Box Culvert	899.10	110.41
<i>For Each LF Of Cut-Off Section, Add</i>		
	35.96	
33 42 13 13-0013 LF 8' x 2' Precast Reinforced Concrete Box Culvert	823.22	70.36
<i>For Each LF Of Cut-Off Section, Add</i>		
	32.93	
33 42 13 13-0014 LF 8' x 3' Precast Reinforced Concrete Box Culvert	844.87	81.18
<i>For Each LF Of Cut-Off Section, Add</i>		
	33.79	
33 42 13 13-0015 LF 8' x 4' Precast Reinforced Concrete Box Culvert	857.50	81.18
<i>For Each LF Of Cut-Off Section, Add</i>		
	34.30	
33 42 13 13-0016 LF 8' x 5' Precast Reinforced Concrete Box Culvert	1,034.63	108.24
<i>For Each LF Of Cut-Off Section, Add</i>		
	41.39	
33 42 13 13-0017 LF 8' x 6' Precast Reinforced Concrete Box Culvert	1,038.01	108.24
<i>For Each LF Of Cut-Off Section, Add</i>		
	41.52	
33 42 13 13-0018 LF 8' x 8' Precast Reinforced Concrete Box Culvert	1,148.58	135.30
<i>For Each LF Of Cut-Off Section, Add</i>		
	45.94	
33 42 13 13-0019 LF 9' x 4' Precast Reinforced Concrete Box Culvert	1,143.33	108.24
<i>For Each LF Of Cut-Off Section, Add</i>		
	45.73	
33 42 13 13-0020 LF 9' x 6' Precast Reinforced Concrete Box Culvert	1,210.09	135.30
<i>For Each LF Of Cut-Off Section, Add</i>		
	48.40	
33 42 13 13-0021 LF 10' x 3' Precast Reinforced Concrete Box Culvert	1,214.30	135.30
<i>For Each LF Of Cut-Off Section, Add</i>		
	48.57	
33 42 13 13-0022 LF 10' x 4' Precast Reinforced Concrete Box Culvert	1,475.51	135.30
<i>For Each LF Of Cut-Off Section, Add</i>		
	59.02	
33 42 13 13-0023 LF 10' x 5' Precast Reinforced Concrete Box Culvert	1,546.48	162.37
<i>For Each LF Of Cut-Off Section, Add</i>		
	61.86	
33 42 13 13-0024 LF 10' x 6' Precast Reinforced Concrete Box Culvert	1,563.33	162.37
<i>For Each LF Of Cut-Off Section, Add</i>		
	62.53	
33 42 13 13-0025 LF 10' x 7' Precast Reinforced Concrete Box Culvert	1,567.55	162.37
<i>For Each LF Of Cut-Off Section, Add</i>		
	62.70	
33 42 13 13-0026 LF 10' x 8' Precast Reinforced Concrete Box Culvert	1,573.44	162.37
<i>For Each LF Of Cut-Off Section, Add</i>		
	62.94	

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0027 LF 12' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,634.30 65.37	189.43
33 42 13 13-0028 LF 12' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,634.30 65.37	189.43
33 42 13 13-0029 LF 12' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,634.30 65.37	189.43
33 42 13 13-0030 LF 12' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,634.30 65.37	189.43
33 42 13 13-0031 LF 16' x 10' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	2,379.36 95.17	216.49
33 42 13 13-0032 LF 24' x 10' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	3,306.22 132.25	216.49
33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 13 13)</small> Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0936 for crane lifting equipment.		
33 42 13 13-0034 LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,077.65 43.11	54.13
33 42 13 13-0035 LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,158.58 46.34	54.13
33 42 13 13-0036 LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,301.82 52.07	54.13
33 42 13 13-0037 LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,472.08 58.88	67.66
33 42 13 13-0038 LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,615.31 64.61	67.66
33 42 13 13-0039 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,758.54 70.34	67.66
33 42 13 13-0040 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,620.72 64.83	70.36
33 42 13 13-0041 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,763.95 70.56	70.36
33 42 13 13-0042 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,050.42 82.02	70.36
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,928.84 77.15	81.18
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,273.72 90.95	110.41
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,763.95 70.56	70.36
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,928.84 77.15	81.18
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,072.07 82.88	81.18
33 42 13 13-0048 LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,269.38 90.78	108.24
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,412.61 96.50	108.24
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,753.20 110.13	135.30
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,436.06 97.44	108.24
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,796.31 111.85	135.30
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,765.14 110.61	135.30
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,935.22 117.41	135.30
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,159.41 126.38	162.37
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,329.49 133.18	162.37
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,499.59 139.98	162.37
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,669.67 146.79	162.37
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,665.91 146.64	189.43
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,859.24 154.37	189.43
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,245.96 169.84	189.43
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,632.68 185.31	189.43
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,546.17 221.85	216.49
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	7,007.08 280.28	216.49

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 23 00-0001 Headwalls (33 42 23)
 Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)
 Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)
 Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,675.46	709.50
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,107.23	756.80
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,759.83	991.31
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,341.26	1,419.00
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,045.95	1,892.00
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,205.49	2,493.87
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,861.41	3,439.97
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,730.23	4,054.24
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,102.81	4,935.70
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	16,902.10	5,974.72

33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)

33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	971.36	181.93
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	1,001.68	192.04
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	1,101.21	218.32
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	1,218.67	232.47
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	1,656.57	272.90
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	1,855.62	283.01
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	2,455.19	334.04
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	2,716.10	368.03
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	3,001.89	389.68
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	3,414.35	389.68
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	4,152.66	487.10
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	5,925.91	584.52

33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)

33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall	5,984.47	1,928.90
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.				
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall	6,309.20	2,143.23
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.				
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall	6,850.41	2,500.43
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.				
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall	7,391.64	2,857.64
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.				
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall	7,391.64	2,857.64
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.				
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall	7,608.12	3,000.52
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.				
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall	13,776.43	3,071.97
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.				
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall	14,101.16	3,286.28
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.				

33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)

33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,484.29	757.71
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33 42 26 End Sections for Stormwater Piping (33 42)

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)

33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)

33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)

33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	351.46	70.75
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	414.19	75.81
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	491.23	80.86
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	604.41	88.44
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	671.48	96.03

33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,128.92	108.65
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,474.85	129.89
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,316.53	151.54
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,841.65	173.19
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,375.11	216.49
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,934.74	259.79

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0016			Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA		12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	370.21	70.75
33 42 26 16-0018	EA		15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	433.49	75.81
33 42 26 16-0019	EA		18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	520.88	80.86
33 42 26 16-0020	EA		21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	640.01	88.44
33 42 26 16-0021	EA		24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	711.85	96.03
33 42 26 16-0022	EA		30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,252.89	108.65
33 42 26 16-0023	EA		36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,631.84	129.89
33 42 26 16-0024	EA		42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,652.65	151.54
33 42 26 16-0025	EA		48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,275.42	173.19
33 42 26 16-0026	EA		54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,813.76	216.49
33 42 26 16-0027	EA		60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,324.06	259.79
33 42 26 16-0028	EA		66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,949.97	389.68
33 42 26 16-0029	EA		72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	6,900.80	519.57
33 42 26 16-0030	EA		78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	7,525.06	557.46
33 42 26 16-0031	EA		84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	8,165.49	595.34
33 42 26 16-0032			Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002) 42 26 16-0002		
33 42 26 16-0033	EA		Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	49.31	
33 42 26 16-0034	EA		Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	55.45	
33 42 26 16-0035	EA		Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	62.96	
33 42 26 16-0036	EA		Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	68.51	
33 42 26 16-0037	EA		Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	76.91	
33 42 26 16-0038	EA		Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	137.28	
33 42 26 16-0039	EA		Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	147.64	
33 42 26 16-0040	EA		Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	205.22	
33 42 26 16-0041	EA		Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	218.99	
33 42 26 16-0042	EA		Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	268.39	
33 42 26 16-0043	EA		Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	273.97	
33 42 26 16-0044	EA		Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section.....	290.32	
33 42 26 16-0045	EA		Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section.....	323.64	
33 42 26 16-0046	EA		Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section.....	362.52	
33 42 26 16-0047	EA		84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	369.93	
33 42 26 16-0048			Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0049			Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA		17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	414.19	75.81
33 42 26 16-0051	EA		21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	491.23	80.86
33 42 26 16-0052	EA		24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	604.40	88.44
33 42 26 16-0053	EA		28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	671.48	96.03
33 42 26 16-0054			Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA		17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	398.00	75.81
33 42 26 16-0056	EA		21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	461.28	80.86
33 42 26 16-0057	EA		24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	518.67	88.44
33 42 26 16-0058	EA		28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	589.61	96.03
33 42 26 16-0059	EA		35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	895.51	108.65
33 42 26 16-0060	EA		42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,337.64	129.89
33 42 26 16-0061	EA		49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,132.00	151.54
33 42 26 16-0062	EA		57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,718.69	173.19
33 42 26 16-0063			Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048) Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA		17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	406.22	75.81
33 42 26 16-0065	EA		21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	479.14	80.86
33 42 26 16-0066	EA		24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	546.59	88.44
33 42 26 16-0067	EA		28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	622.71	96.03
33 42 26 16-0068	EA		35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	951.78	108.65
33 42 26 16-0069	EA		42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	1,414.39	129.89
33 42 26 16-0070	EA		49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,254.78	151.54
33 42 26 16-0071	EA		57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	2,859.99	173.19
33 42 26 16-0072	EA		64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	3,433.16	216.49
33 42 26 16-0073	EA		71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	4,537.53	259.79
33 42 26 16-0074	EA		77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	6,306.49	389.68
33 42 26 16-0075	EA		83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	6,896.03	519.57
33 42 26 16-0076			Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)		
33 42 26 16-0077	EA		Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section.....	55.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0078	EA		Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	62.96	
33 42 26 16-0079	EA		Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	68.51	
33 42 26 16-0080	EA		Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	76.91	
33 42 26 16-0081	EA		Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	137.28	
33 42 26 16-0082	EA		Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	147.64	
33 42 26 16-0083	EA		Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	205.22	
33 42 26 16-0084	EA		Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	228.28	
33 42 26 16-0085	EA		Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	268.39	
33 42 26 16-0086	EA		Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	277.67	
33 42 26 16-0087	EA		Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	320.45	
33 42 26 16-0088	EA		Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	356.80	

33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)

33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)

33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	569.46	70.75
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	662.42	75.81
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	795.01	80.86
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	998.23	88.44
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,324.62	96.03
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,024.26	108.65
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,773.51	129.89
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,486.78	129.89
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	4,462.42	151.54
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,415.62	173.19
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	7,079.90	216.49
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,577.06	259.79
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,744.70	389.68
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,498.55	519.57
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	13,681.32	557.46
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	14,407.51	595.34
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	19,888.64	649.47
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	22,034.10	703.58

33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)

33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	89.18	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	94.88	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	103.58	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	117.23	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	124.01	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	159.80	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	188.05	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	199.96	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	219.51	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	248.18	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	294.67	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	424.19	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	451.86	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	562.18	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	607.07	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	646.39	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	688.00	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	729.75	

33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)

33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)

33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	685.48	75.81
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	851.21	80.86
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	923.69	88.44
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	996.08	96.03
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,531.46	108.65
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,806.29	129.89
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,987.13	129.89
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,016.38	151.54
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,241.92	173.19
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,127.06	216.49
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,619.36	259.79
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,488.20	389.68
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,087.52	519.57
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,436.57	557.46
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	17,141.11	595.34
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	18,683.35	649.47
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	19,776.02	703.58

33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0148 EA Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	94.88	
33 42 26 16-0149 EA Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	103.58	
33 42 26 16-0150 EA Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	108.89	
33 42 26 16-0151 EA Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	119.43	
33 42 26 16-0152 EA Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	133.60	
33 42 26 16-0153 EA Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	172.99	
33 42 26 16-0154 EA Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	191.98	
33 42 26 16-0155 EA Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	219.51	
33 42 26 16-0156 EA Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	248.18	
33 42 26 16-0157 EA Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	294.67	
33 42 26 16-0158 EA Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	381.95	
33 42 26 16-0159 EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	487.23	
33 42 26 16-0160 EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	650.60	
33 42 26 16-0161 EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	741.67	
33 42 26 16-0162 EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	774.77	
33 42 26 16-0163 EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	800.65	
33 42 26 16-0164 EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	833.23	
33 42 26 16-0165 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0166 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0167 EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	906.89	75.81
33 42 26 16-0168 EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,186.87	80.86
33 42 26 16-0169 EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,465.22	88.44
33 42 26 16-0170 EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,763.90	96.03
33 42 26 16-0171 EA 30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,858.21	108.65
33 42 26 16-0172 EA 36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	2,440.40	129.89
33 42 26 16-0173 EA 42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	3,927.28	151.54
33 42 26 16-0174 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
Note: Includes nut and bolt set.		
33 42 26 16-0175 EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	664.64	
33 42 26 16-0176 EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	1,373.15	
33 42 26 16-0177 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	1,507.04	
33 42 26 16-0178 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	1,564.47	
33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0180 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	953.73	75.81
33 42 26 16-0181 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,271.11	80.86
33 42 26 16-0182 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,713.12	88.44
33 42 26 16-0183 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	2,021.56	96.03
33 42 26 16-0184 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	2,405.17	108.65
33 42 26 16-0185 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	2,923.17	129.89
33 42 26 16-0186 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	4,531.32	151.54
33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
Note: Includes nut and bolt set.		
33 42 26 16-0188 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	1,323.53	
33 42 26 16-0189 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	1,400.94	
33 42 26 16-0190 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	1,539.89	
33 42 26 16-0191 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	1,609.94	
33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)		
33 42 26 16-0193 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section.....	107.29	
33 42 26 16-0194 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section.....	121.58	
33 42 26 16-0195 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section.....	132.44	
33 42 26 16-0196 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section.....	148.36	
33 42 26 16-0197 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section.....	232.40	
33 42 26 16-0198 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section.....	249.51	
33 42 26 16-0199 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section.....	339.63	
33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)		
33 42 26 16-0202 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,088.22	80.86
33 42 26 16-0203 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,380.22	88.44
33 42 26 16-0204 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,643.54	96.03
33 42 26 16-0205 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	3,179.65	108.65



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End

Sections (33 42 26 16-0200)
 Note: Includes nut and bolt set.

33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	797.29	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,486.41	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,564.47	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	2,321.43	

33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End

Section (33 42 26 16-0200)

33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	108.13	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	123.44	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	134.64	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	157.95	

33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)

33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)

33 42 26 19-0002	EA	4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	68.34	20.57
33 42 26 19-0003	EA	6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	132.43	30.84
33 42 26 19-0004	EA	8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	182.09	38.56
33 42 26 19-0005	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	286.14	61.69
33 42 26 19-0006	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	342.45	69.40
33 42 26 19-0007	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	362.91	74.54
33 42 26 19-0008	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	436.86	82.25
33 42 26 19-0009	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	570.38	97.68
33 42 26 19-0010	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	1,238.89	110.53
33 42 26 19-0011	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	1,519.08	123.38

33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)

33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)

33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section.....	710.89	118.56
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section.....	954.43	146.76
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section.....	1,181.70	185.78
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section.....	1,356.00	222.17
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section.....	1,440.95	257.14
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section.....	1,813.91	322.57
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section.....	2,248.51	484.50
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section.....	2,776.17	611.36
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section.....	3,358.68	766.91
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section.....	3,680.95	864.86
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section.....	4,014.88	968.78
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section.....	4,357.23	1,077.02
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section.....	4,337.91	861.67
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section.....	4,967.49	1,077.05
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section.....	5,905.44	1,346.32
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section.....	6,987.47	1,615.58

33 42 26 23-0019 Flared Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section.....	894.90	126.10
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section.....	1,077.65	157.17
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section.....	1,308.30	198.95
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section.....	1,494.92	237.92
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section.....	1,824.18	275.37
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section.....	2,199.70	439.79
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section.....	2,288.31	605.52
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section.....	3,091.86	764.20
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section.....	3,710.11	958.82
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section.....	4,014.43	1,081.36
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section.....	4,490.20	1,211.14
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section.....	4,974.91	1,345.25
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section.....	5,802.68	1,549.95
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section.....	6,768.23	1,729.95
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section.....	7,674.95	1,946.11
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section.....	8,853.63	2,162.06

33 42 26 23-0036 Elliptical Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section.....	1,560.69	198.95
33 42 26 23-0038	EA	19" x 30" Elliptical Precast Concrete End Section.....	2,176.86	275.37
33 42 26 23-0039	EA	22" x 34" Elliptical Precast Concrete End Section.....	2,584.55	439.79
33 42 26 23-0040	EA	24" x 38" Elliptical Precast Concrete End Section.....	2,633.06	605.52

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0041 EA 27" x 42" Elliptical Precast Concrete End Section	3,105.52	685.18
33 42 26 23-0042 EA 29" x 45" Elliptical Precast Concrete End Section	3,577.99	764.20
33 42 26 23-0043 EA 34" x 53" Elliptical Precast Concrete End Section	4,277.78	958.82
33 42 26 23-0044 EA 38" x 60" Elliptical Precast Concrete End Section	4,612.15	1,081.36
33 42 26 23-0045 EA 43" x 68" Elliptical Precast Concrete End Section	5,158.16	1,211.14
33 42 26 23-0046 EA 48" x 76" Elliptical Precast Concrete End Section	5,713.49	1,345.25
33 42 26 23-0047 Mitered Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0048 EA 12" Round Mitered Precast Concrete End Sections	516.46	126.10
33 42 26 23-0049 EA 15" Round Mitered Precast Concrete End Sections	561.92	157.17
33 42 26 23-0050 EA 18" Round Mitered Precast Concrete End Sections	677.13	198.95
33 42 26 23-0051 EA 24" Round Mitered Precast Concrete End Sections	981.06	275.37
33 42 26 23-0052 EA 12" x 18" Elliptical Mitered Precast Concrete End Sections.....	602.95	157.17
33 42 26 23-0053 EA 14" x 23" Elliptical Mitered Precast Concrete End Sections.....	750.08	198.95
33 42 26 23-0054 EA 19" x 30" Elliptical Mitered Precast Concrete End Sections.....	1,069.95	275.37
33 42 31 Stormwater Area Drains and Inlets (33 42)		
33 42 31 00-0001 Storm Drains (33 42 31)		
See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)		
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,826.87	348.97
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,178.32	408.88
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,529.75	468.69
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,881.18	528.60
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,232.63	588.41
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,308.95	346.86
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,866.79	462.49
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,675.27	630.67
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,465.06	735.78
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,106.50	840.89
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,479.50	378.40
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,433.07	525.56
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,211.95	683.22
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,864.43	788.33
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,173.85	1,009.07
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002)		
Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,303.18	421.91
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,440.51	448.61
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,681.78	481.83
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,004.63	533.34
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,254.98	567.71
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,405.05	595.35
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,655.61	629.72
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,802.21	657.47
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,054.47	691.74
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,202.83	719.49
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,453.28	753.86
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	556.69	94.18
33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	2,644.38	487.72
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,818.66	521.98
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,068.89	556.35
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,446.05	616.16
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,719.44	655.05
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,892.34	687.32
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,168.99	726.21
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,341.88	758.48
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,616.87	797.37
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,789.69	829.64



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0047	EA		8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,064.81	868.53
33 42 31 00-0048	VLF		>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	633.12	108.58
33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0050	EA		3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,009.71	557.92
33 42 31 00-0051	EA		3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,192.96	593.35
33 42 31 00-0052	EA		4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,478.41	635.29
33 42 31 00-0053	EA		4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,910.52	703.51
33 42 31 00-0054	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,210.10	746.91
33 42 31 00-0055	EA		5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,407.37	783.81
33 42 31 00-0056	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,706.94	827.22
33 42 31 00-0057	EA		6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,904.29	864.12
33 42 31 00-0058	EA		7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,203.88	907.52
33 42 31 00-0059	EA		7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,401.14	944.42
33 42 31 00-0060	EA		8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,700.72	987.94
33 42 31 00-0061	VLF		>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	712.54	123.51
33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0063	EA		3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,475.77	646.96
33 42 31 00-0064	EA		3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,620.06	683.53
33 42 31 00-0065	EA		4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,005.00	730.83
33 42 31 00-0066	EA		4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,497.90	808.41
33 42 31 00-0067	EA		5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,829.26	857.39
33 42 31 00-0068	EA		5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,058.42	899.75
33 42 31 00-0069	EA		6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,389.71	948.73
33 42 31 00-0070	EA		6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,618.87	991.20
33 42 31 00-0071	EA		7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,950.22	1,040.18
33 42 31 00-0072	EA		7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,177.67	1,082.54
33 42 31 00-0073	EA		8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,510.67	1,131.53
33 42 31 00-0074	VLF		>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	813.88	141.48
33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0076	EA		4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,477.18	820.60
33 42 31 00-0077	EA		4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,026.15	906.79
33 42 31 00-0078	EA		5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,384.13	960.50
33 42 31 00-0079	EA		5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,638.19	1,007.59
33 42 31 00-0080	EA		6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,992.80	1,061.20
33 42 31 00-0081	EA		6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,248.57	1,108.30
33 42 31 00-0082	EA		7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,604.85	1,162.00
33 42 31 00-0083	EA		7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,857.25	1,209.09
33 42 31 00-0084	EA		8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,215.23	1,262.70
33 42 31 00-0085	VLF		>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,367.03	157.87
33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0087	EA		4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,972.34	915.10
33 42 31 00-0088	EA		4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,774.43	1,035.88
33 42 31 00-0089	EA		5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,169.60	1,095.57
33 42 31 00-0090	EA		5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,460.83	1,149.08
33 42 31 00-0091	EA		6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,857.65	1,209.19
33 42 31 00-0092	EA		6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,150.61	1,262.70
33 42 31 00-0093	EA		7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,545.78	1,322.83
33 42 31 00-0094	EA		7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,837.02	1,376.32
33 42 31 00-0095	EA		8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,232.19	1,436.45
33 42 31 00-0096	VLF		>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,029.02	179.53
33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0098	EA		4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,493.74	1,014.01
33 42 31 00-0099	EA		4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,377.76	1,146.55
33 42 31 00-0100	EA		5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,800.18	1,211.51
33 42 31 00-0101	EA		5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,118.74	1,269.85
33 42 31 00-0102	EA		6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,539.44	1,334.80
33 42 31 00-0103	EA		6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,859.65	1,393.14
33 42 31 00-0104	EA		7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,280.42	1,458.10
33 42 31 00-0105	EA		7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,598.91	1,516.44
33 42 31 00-0106	EA		8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,021.34	1,581.39
33 42 31 00-0107	VLF		>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,127.72	197.71
33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)					
33 42 31 00-0109	EA		4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,037.93	1,117.64
33 42 31 00-0110	EA		4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,254.90	1,294.86
33 42 31 00-0111	EA		5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,718.23	1,366.76
33 42 31 00-0112	EA		5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,079.24	1,432.03
33 42 31 00-0113	EA		6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,542.57	1,503.83
33 42 31 00-0114	EA		6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,903.57	1,569.21

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0115	EA		7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,366.90	1,640.99
33 42 31 00-0116	EA		7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,727.91	1,706.27
33 42 31 00-0117	EA		8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,192.88	1,778.16
33 42 31 00-0118	VLF		>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,274.06	222.31
33 42 31 00-0119			7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0120	EA		4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin.....	6,606.89	1,225.80
33 42 31 00-0121	EA		4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,939.28	1,419.21
33 42 31 00-0122	EA		5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,430.48	1,496.15
33 42 31 00-0123	EA		5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,817.84	1,566.37
33 42 31 00-0124	EA		6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,310.66	1,643.20
33 42 31 00-0125	EA		6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,698.01	1,713.52
33 42 31 00-0126	EA		7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,189.21	1,790.36
33 42 31 00-0127	EA		7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,578.28	1,860.68
33 42 31 00-0128	EA		8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,069.39	1,937.51
33 42 31 00-0129	VLF		>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,383.73	242.17
33 42 31 00-0130			7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0131	EA		4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	7,483.59	1,375.80
33 42 31 00-0132	EA		4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,651.64	1,548.60
33 42 31 00-0133	EA		5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,169.08	1,630.48
33 42 31 00-0134	EA		5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,586.03	1,705.74
33 42 31 00-0135	EA		6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,105.09	1,787.62
33 42 31 00-0136	EA		6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,522.04	1,862.89
33 42 31 00-0137	EA		7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,039.49	1,944.76
33 42 31 00-0138	EA		7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,456.44	2,020.03
33 42 31 00-0139	EA		8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,975.59	2,101.90
33 42 31 00-0140	VLF		>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,496.91	262.77
33 42 31 00-0141			8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0142	EA		4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin.....	8,128.74	1,496.89
33 42 31 00-0143	EA		4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,390.13	1,683.04
33 42 31 00-0144	EA		5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,935.62	1,769.86
33 42 31 00-0145	EA		5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,380.45	1,850.16
33 42 31 00-0146	EA		6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,925.84	1,936.99
33 42 31 00-0147	EA		6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,367.24	2,017.29
33 42 31 00-0148	EA		7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,916.08	2,104.11
33 42 31 00-0149	EA		7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	12,360.91	2,184.42
33 42 31 00-0150	EA		8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	12,896.98	2,271.24
33 42 31 00-0151	VLF		>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,613.29	283.91
33 42 31 00-0152			Precast Concrete Catch Basins (33 42 31 00-0002)		
			Note: Inside dimensions.		
33 42 31 00-0153			1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0154	EA		4' Deep, 1'-6" Diameter Precast Catch Basins.....	692.68	220.56
33 42 31 00-0155	EA		6' Deep, 1'-6" Diameter Precast Catch Basins.....	966.58	330.84
33 42 31 00-0156	EA		8' Deep, 1'-6" Diameter Precast Catch Basins.....	1,227.44	430.09
33 42 31 00-0157	EA		10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,468.65	508.39
33 42 31 00-0158	EA		12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,811.21	645.13
33 42 31 00-0159	EA		14' Deep, 1'-6" Diameter Precast Catch Basins.....	2,072.91	744.38
33 42 31 00-0160	VLF		Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	144.61	49.62
33 42 31 00-0161			2' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0162	EA		4' Deep, 2' Diameter Precast Catch Basin.....	788.53	245.37
33 42 31 00-0163	EA		6' Deep, 2' Diameter Precast Catch Basin.....	1,094.33	363.92
33 42 31 00-0164	EA		8' Deep, 2' Diameter Precast Catch Basin.....	1,384.13	479.72
33 42 31 00-0165	EA		10' Deep, 2' Diameter Precast Catch Basin.....	1,650.67	559.67
33 42 31 00-0166	EA		12' Deep, 2' Diameter Precast Catch Basin.....	2,048.38	716.81
33 42 31 00-0167	EA		14' Deep, 2' Diameter Precast Catch Basin.....	2,341.36	827.09
33 42 31 00-0168	VLF		Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	163.40	59.55
33 42 31 00-0169			3' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0170	EA		4' Deep, 3' Diameter Precast Catch Basin.....	1,035.75	289.49
33 42 31 00-0171	EA		6' Deep, 3' Diameter Precast Catch Basin.....	1,418.25	427.88
33 42 31 00-0172	EA		8' Deep, 3' Diameter Precast Catch Basin.....	1,785.75	565.18
33 42 31 00-0173	EA		10' Deep, 3' Diameter Precast Catch Basin.....	2,223.94	705.79
33 42 31 00-0174	EA		12' Deep, 3' Diameter Precast Catch Basin.....	2,628.43	841.43
33 42 31 00-0175	EA		14' Deep, 3' Diameter Precast Catch Basin.....	3,019.62	979.28
33 42 31 00-0176	VLF		Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	208.10	69.95
33 42 31 00-0177			4' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0178	EA		4' Deep, 4' Diameter Precast Catch Basin.....	1,249.01	322.02



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin.....	1,627.59	441.11
	33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin.....	2,189.43	661.67
	33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin.....	2,732.22	827.09
	33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin.....	3,231.67	992.52
	33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin.....	3,716.44	1,157.93
	33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	255.51	82.71
	33 42 31 00-0185		5' Diameter Precast Catch Basins (33 42 31 00-0152)		
	33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin.....	1,682.53	441.11
	33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin.....	2,311.53	661.67
	33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin.....	2,943.81	882.23
	33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin.....	3,622.96	1,102.79
	33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin.....	4,253.17	1,323.35
	33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin.....	4,951.73	1,543.91
	33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	339.98	110.28
	33 42 31 00-0193		6' Diameter Precast Catch Basins (33 42 31 00-0152)		
	33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin.....	2,464.16	661.67
	33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin.....	3,353.77	992.52
	33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin.....	4,303.21	1,323.35
	33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin.....	5,363.74	1,654.19
	33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin.....	6,393.76	1,985.02
	33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin.....	7,401.86	2,315.86
	33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	506.94	165.42
	33 42 31 00-0201		Precast Catch Basins Accessories (33 42 31 00-0152)		
	33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat.....	1,531.75	716.81
	33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin.....	669.79	88.22
	33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	383.03	93.74
	33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring.....	480.31	137.85
			<i>For Each Additional Inch In Height, Add</i>	57.06	
	33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring.....	566.97	165.42
			<i>For Each Additional Inch In Height, Add</i>	66.90	
	33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring.....	661.25	192.99
			<i>For Each Additional Inch In Height, Add</i>	78.08	
	33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring.....	832.65	275.70
			<i>For Each Additional Inch In Height, Add</i>	92.87	
	33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade.....	661.63	
	33 42 31 00-0210		Catch Basin Risers (33 42 31 00-0152)		
	33 42 31 00-0211	EA	Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	412.44	
	33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	460.86	
	33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	518.44	
	33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	444.06	
	33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	495.74	
	33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	559.57	
	33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	491.42	
	33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	537.30	
	33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	601.35	
	33 42 31 00-0220		Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)		
			Note: Inside span.		
	33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	4,838.50	832.27
	33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	5,509.00	949.79
	33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	6,262.24	1,077.92
	33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	7,513.51	1,293.08
	33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout.....	9,127.01	1,561.10
	33 42 31 00-0226		Precast Concrete Inlet Boxes (33 42 31 00-0002)		
			Note: Inside dimensions.		
	33 42 31 00-0227		Precast Concrete Inlet Boxes (33 42 31 00-0226)		
	33 42 31 00-0228		24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
			Note: Yard inlet.		
	33 42 31 00-0229		24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)		
	33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	824.08	77.19
	33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	968.77	93.74
	33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,113.48	110.28
	33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,259.55	127.51
	33 42 31 00-0234		24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)		
	33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	205.35	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0236 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	333.51	
33 42 31 00-0237 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	472.69	
33 42 31 00-0238 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	611.88	
33 42 31 00-0239 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	751.06	
33 42 31 00-0240 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	890.25	
33 42 31 00-0241 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0242 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)		
33 42 31 00-0243 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,687.99	216.49
33 42 31 00-0244 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,898.68	250.32
33 42 31 00-0245 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,109.37	284.14
33 42 31 00-0246 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,320.22	318.05
33 42 31 00-0247 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,531.07	351.95
33 42 31 00-0248 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,741.92	385.86
33 42 31 00-0249 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,952.77	419.77
33 42 31 00-0250 22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)		
33 42 31 00-0251 EA 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	402.00	
33 42 31 00-0252 EA 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	649.62	
33 42 31 00-0253 EA 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	704.80	
33 42 31 00-0254 EA 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	902.98	
33 42 31 00-0255 EA 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,101.14	
33 42 31 00-0256 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,291.18	
33 42 31 00-0257 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,501.87	
33 42 31 00-0258 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,712.56	
33 42 31 00-0259 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,923.41	
33 42 31 00-0260 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,134.26	
33 42 31 00-0261 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,345.11	
33 42 31 00-0262 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	2,555.95	
33 42 31 00-0263 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0264 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)		
33 42 31 00-0265 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,626.79	238.14
33 42 31 00-0266 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,837.74	275.34
33 42 31 00-0267 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,048.68	312.56
33 42 31 00-0268 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,259.80	349.85
33 42 31 00-0269 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,470.92	387.15
33 42 31 00-0270 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,682.05	424.45
33 42 31 00-0271 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,893.18	461.74
33 42 31 00-0272 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)		
33 42 31 00-0273 EA 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	398.54	
33 42 31 00-0274 EA 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	636.87	
33 42 31 00-0275 EA 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	693.18	
33 42 31 00-0276 EA 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	887.07	
33 42 31 00-0277 EA 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,080.97	
33 42 31 00-0278 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,273.78	
33 42 31 00-0279 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,481.74	
33 42 31 00-0280 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,688.63	
33 42 31 00-0281 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,896.61	
33 42 31 00-0282 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,103.48	
33 42 31 00-0283 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,311.46	
33 42 31 00-0284 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,519.43	
33 42 31 00-0285 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0286 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)		
33 42 31 00-0287 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,935.66	259.79
33 42 31 00-0288 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,183.45	302.00
33 42 31 00-0289 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,431.23	345.30
33 42 31 00-0290 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,677.92	387.51
33 42 31 00-0291 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,925.72	430.81
33 42 31 00-0292 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,173.50	473.02
33 42 31 00-0293 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,420.20	515.24
33 42 31 00-0294 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)		
33 42 31 00-0295 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	440.40	
33 42 31 00-0296 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	718.45	
33 42 31 00-0297 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	776.36	
33 42 31 00-0298 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	996.55	
33 42 31 00-0299 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,216.73	
33 42 31 00-0300 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,436.92	
33 42 31 00-0301 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,671.71	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0302 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,906.51	
33 42 31 00-0303 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,141.29	
33 42 31 00-0304 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,376.09	
33 42 31 00-0305 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,610.89	
33 42 31 00-0306 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,845.68	
33 42 31 00-0307 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)		
33 42 31 00-0308 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,097.55	162.37
33 42 31 00-0309 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0310 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)		
33 42 31 00-0311 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box	2,749.16	288.65
33 42 31 00-0312 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,080.67	336.10
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,412.19	383.54
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,743.36	430.81
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,074.52	478.09
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,405.69	525.36
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,736.87	572.63
33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	442.28	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	707.77	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,034.60	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,361.43	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,670.21	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,997.03	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,328.55	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,660.06	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,991.23	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,322.39	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,653.57	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,984.74	
33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,192.89	175.90
33 42 31 00-0333 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0334 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)		
33 42 31 00-0335 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,168.15	363.70
33 42 31 00-0336 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,532.35	424.46
33 42 31 00-0337 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,896.54	485.23
33 42 31 00-0338 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,260.07	545.66
33 42 31 00-0339 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,623.60	606.09
33 42 31 00-0340 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,987.12	666.52
33 42 31 00-0341 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,350.65	726.95
33 42 31 00-0342 48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)		
33 42 31 00-0343 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	485.13	
33 42 31 00-0344 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	758.10	
33 42 31 00-0345 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,122.01	
33 42 31 00-0346 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,485.90	
33 42 31 00-0347 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,819.50	
33 42 31 00-0348 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,183.39	
33 42 31 00-0349 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,547.59	
33 42 31 00-0350 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,911.79	
33 42 31 00-0351 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,275.31	
33 42 31 00-0352 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,638.84	
33 42 31 00-0353 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,002.36	
33 42 31 00-0354 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,365.89	
33 42 31 00-0355 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)		
33 42 31 00-0356 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,326.15	197.00
33 42 31 00-0357 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)		
33 42 31 00-0358 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)		
33 42 31 00-0359 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box	3,966.59	490.35
33 42 31 00-0360 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,427.28	571.53
33 42 31 00-0361 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,887.98	651.63
33 42 31 00-0362 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,347.59	732.81

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	5,808.28	812.92
	33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	6,267.89	893.01
	33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	6,729.67	974.20
33 42 31 00-0366			42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0357)		
	33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	649.04	
	33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	997.16	
	33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,450.27	
	33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,903.39	
	33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,325.12	
	33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,778.23	
	33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,238.92	
	33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,699.62	
	33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,159.23	
	33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,619.92	
	33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	5,079.53	
	33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	5,540.22	
33 42 31 00-0379			42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0357)		
	33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab.....	1,810.53	216.49
33 42 31 00-0381			Frames And Grates For Inlets (33 42 31 00-0226)		
33 42 31 00-0382			Inlet Frames And Grates (33 42 31 00-0381)		
	33 42 31 00-0383	EA	24" x 24", Heavy Duty Inlet Grate Note: For type A, B, D, or E inlets.	411.84	50.54
	33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)..... Note: For type A, B, D, or E inlets.	535.37	50.54
	33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)..... Note: Includes legend: Dump No Waste "Drains To Waterways".	535.37	50.54
	33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT)..... Note: Legend: Dump No Waste "Drains to Waterways"	535.37	50.54
	33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	587.08	50.54
	33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK).....	429.64	101.07
	33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	502.03	101.07
	33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)..... Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	624.95	126.35
	33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	531.88	126.35
	33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	542.23	126.35
	33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	562.91	126.35
	33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	583.59	126.35
	33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	562.91	126.35
	33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	583.59	126.35
	33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	604.27	126.35
	33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	873.12	126.35
	33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	914.49	126.35
	33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	955.85	126.35
	33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	645.63	126.35
	33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	583.59	126.35
	33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	583.59	126.35
	33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	1,205.81	126.35
	33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	1,205.81	126.35
	33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	484.77	138.98
	33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	681.24	138.98
	33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	681.24	138.98
	33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	753.63	138.98
	33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM).....	867.37	138.98
	33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM).....	743.28	138.98
	33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202).....	1,063.84	138.98
	33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002).....	939.76	138.98
	33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340).....	1,210.86	202.15
	33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,955.38	202.15
	33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340).....	1,179.84	202.15
	33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,858.18	202.15
	33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	1,981.74	303.22
	33 42 31 00-0419	EA	Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	2,027.70	404.30
	33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	2,225.26	404.30
	33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	2,225.26	404.30
	33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	1,966.74	404.30
	33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	1,966.74	404.30
	33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	2,307.98	404.30
33 42 31 00-0425			Catch Basin Frames And Covers (33 42 31 00-0001)		



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	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0426	Cast Iron Frames And Covers (33 42 31 00-0425)	
33 42 31 00-0427 EA 18" Diameter Cast Iron Catch Basin Frame And Cover	855.50	110.28
33 42 31 00-0428 EA 22" Diameter Cast Iron Catch Basin Frame And Cover	1,082.72	124.61
33 42 31 00-0429 EA 24" Diameter Cast Iron Catch Basin Frame And Cover	1,226.40	129.03
33 42 31 00-0430 EA 26" Diameter Cast Iron Catch Basin Frame And Cover	1,382.37	149.98
33 42 31 00-0431 EA 28" Diameter Cast Iron Catch Basin Frame And Cover	1,621.75	170.93
33 42 31 00-0432 EA 32" Diameter Cast Iron Catch Basin Frame And Cover	2,590.02	178.65
33 42 31 00-0433 EA 16" x 16" Cast Iron Catch Basin Frame And Cover	1,402.69	135.65
33 42 31 00-0434 EA 18" x 24" Cast Iron Catch Basin Frame And Cover	1,829.81	156.60
33 42 31 00-0435 EA 20" x 27" Cast Iron Catch Basin Frame And Cover	2,069.79	163.22
33 42 31 00-0436 EA 23" x 23" Cast Iron Catch Basin Frame And Cover	1,955.27	163.22
33 42 31 00-0437 EA 24" x 24" Cast Iron Catch Basin Frame And Cover	2,020.83	169.83
33 42 31 00-0438 EA 26" x 26" Cast Iron Catch Basin Frame And Cover	2,170.38	176.45
33 42 31 00-0439 EA 24" x 36" Cast Iron Catch Basin Frame And Cover	2,610.17	189.68
33 42 31 00-0440	Area Yard Drain (33 42 31 00-0001)	
See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441	Ductile Iron Grates (33 42 31 00-0440)	
Note: Not for traffic loading.		
33 42 31 00-0442 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	165.75	38.56
33 42 31 00-0443 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	203.52	41.13
33 42 31 00-0444 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	475.87	51.41
33 42 31 00-0445 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	568.60	61.69
33 42 31 00-0446	Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)	
33 42 31 00-0447	Type OS Concrete Drainage Inlet Structure (33 42 31 00-0446)	
33 42 31 00-0448 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,622.07	
33 42 31 00-0449 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,046.34	
33 42 31 00-0450 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,440.30	
33 42 31 00-0451 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,803.95	
33 42 31 00-0452 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,137.27	
33 42 31 00-0453 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,440.29	
33 42 31 00-0454 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,041.97	
33 42 31 00-0455 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,043.80	
33 42 31 00-0456 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,968.56	
33 42 31 00-0457 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,818.43	
33 42 31 00-0458 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,636.36	
33 42 31 00-0459 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,388.44	
33 42 31 00-0460 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,074.65	
33 42 31 00-0461	Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)	
33 42 31 00-0462 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,570.48	
33 42 31 00-0463 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,967.04	
33 42 31 00-0464 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,333.30	
33 42 31 00-0465 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,669.24	
33 42 31 00-0466 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,973.74	
33 42 31 00-0467 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,249.06	
33 42 31 00-0468 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,803.15	
33 42 31 00-0469 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,781.58	
33 42 31 00-0470 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,682.92	
33 42 31 00-0471 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,508.26	
33 42 31 00-0472 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,305.92	
33 42 31 00-0473 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,037.71	
33 42 31 00-0474 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,703.64	
33 42 31 00-0475	Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)	
33 42 31 00-0476 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,444.51	
33 42 31 00-0477 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,815.78	
33 42 31 00-0478 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,155.63	
33 42 31 00-0479 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,466.26	
33 42 31 00-0480 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,745.48	
33 42 31 00-0481 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,994.39	
33 42 31 00-0482 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,564.34	
33 42 31 00-0483 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,518.26	
33 42 31 00-0484 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,397.28	
33 42 31 00-0485 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,199.19	
33 42 31 00-0486 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,975.47	
33 42 31 00-0487 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,686.99	
33 42 31 00-0488 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,331.54	
33 42 31 00-0489	Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0446)	
33 42 31 00-0490 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,690.45	
33 42 31 00-0491 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,024.37	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0492	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,327.97	
	33 42 31 00-0493	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,601.25	
	33 42 31 00-0494	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,844.23	
	33 42 31 00-0495	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,056.89	
	33 42 31 00-0496	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,642.70	
	33 42 31 00-0497	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,563.34	
	33 42 31 00-0498	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,407.99	
	33 42 31 00-0499	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,176.64	
	33 42 31 00-0500	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,925.21	
	33 42 31 00-0501	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,606.81	
	33 42 31 00-0502	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,222.53	
33 42 31 00-0503	Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0504	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,219.54	
	33 42 31 00-0505	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,479.20	
	33 42 31 00-0506	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,708.55	
	33 42 31 00-0507	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,907.58	
	33 42 31 00-0508	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,075.19	
	33 42 31 00-0509	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,213.59	
	33 42 31 00-0510	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,751.84	
	33 42 31 00-0511	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,606.93	
	33 42 31 00-0512	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,386.02	
	33 42 31 00-0513	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,089.12	
	33 42 31 00-0514	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,780.82	
	33 42 31 00-0515	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,405.56	
	33 42 31 00-0516	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,964.44	
33 42 31 00-0517	Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0518	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,332.92	
	33 42 31 00-0519	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,770.65	
	33 42 31 00-0520	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,173.56	
	33 42 31 00-0521	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,541.66	
	33 42 31 00-0522	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,876.07	
	33 42 31 00-0523	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,176.76	
	33 42 31 00-0524	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,865.65	
	33 42 31 00-0525	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,955.36	
	33 42 31 00-0526	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,959.64	
	33 42 31 00-0527	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,877.34	
	33 42 31 00-0528	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,765.87	
	33 42 31 00-0529	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,580.30	
	33 42 31 00-0530	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,319.52	
33 42 31 00-0531	Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0532	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,281.33	
	33 42 31 00-0533	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,690.24	
	33 42 31 00-0534	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,065.45	
	33 42 31 00-0535	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,406.95	
	33 42 31 00-0536	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,713.64	
	33 42 31 00-0537	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,985.52	
	33 42 31 00-0538	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,674.41	
	33 42 31 00-0539	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,738.63	
	33 42 31 00-0540	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,717.39	
	33 42 31 00-0541	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,610.71	
	33 42 31 00-0542	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,477.06	
	33 42 31 00-0543	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,269.33	
	33 42 31 00-0544	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,987.50	
33 42 31 00-0545	Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0546	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,766.64	
	33 42 31 00-0547	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,112.13	
	33 42 31 00-0548	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,432.21	
	33 42 31 00-0549	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,729.06	
	33 42 31 00-0550	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,002.70	
	33 42 31 00-0551	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,250.93	
33 42 31 00-0552	Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0446)				
	33 42 31 00-0553	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,436.11	
	33 42 31 00-0554	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,824.39	
	33 42 31 00-0555	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,184.96	
	33 42 31 00-0556	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,517.83	
	33 42 31 00-0557	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,822.99	
	33 42 31 00-0558	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,099.34	
	33 42 31 00-0559	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,550.36	
	33 42 31 00-0560	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,474.67	
	33 42 31 00-0561	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,329.12	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0562 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,113.71	
33 42 31 00-0563 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,868.91	
33 42 31 00-0564 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,563.58	
33 42 31 00-0565 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,196.65	
33 42 31 00-0566 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0567 EA 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,915.42	
33 42 31 00-0568 EA 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,256.07	
33 42 31 00-0569 EA 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,572.43	
33 42 31 00-0570 EA 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,865.57	
33 42 31 00-0571 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,133.28	
33 42 31 00-0572 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,377.79	
33 42 31 00-0573 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0574 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,361.72	
33 42 31 00-0575 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,752.42	
33 42 31 00-0576 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,115.40	
33 42 31 00-0577 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,449.58	
33 42 31 00-0578 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,757.15	
33 42 31 00-0579 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,035.91	
33 42 31 00-0580 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,518.65	
33 42 31 00-0581 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,444.70	
33 42 31 00-0582 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,299.82	
33 42 31 00-0583 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,085.07	
33 42 31 00-0584 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,840.78	
33 42 31 00-0585 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,535.98	
33 42 31 00-0586 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,170.66	
33 42 31 00-0587 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0588 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,436.11	
33 42 31 00-0589 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,824.39	
33 42 31 00-0590 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,184.96	
33 42 31 00-0591 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,517.83	
33 42 31 00-0592 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,822.99	
33 42 31 00-0593 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,099.34	
33 42 31 00-0594 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,550.36	
33 42 31 00-0595 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,474.67	
33 42 31 00-0596 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,329.12	
33 42 31 00-0597 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,113.71	
33 42 31 00-0598 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,868.91	
33 42 31 00-0599 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,563.58	
33 42 31 00-0600 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,196.65	
33 42 31 00-0601 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0602 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,896.81	
33 42 31 00-0603 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,237.82	
33 42 31 00-0604 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,555.59	
33 42 31 00-0605 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,847.96	
33 42 31 00-0606 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,117.10	
33 42 31 00-0607 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,361.92	
33 42 31 00-0608 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0609 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,934.02	
33 42 31 00-0610 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,274.35	
33 42 31 00-0611 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,590.37	
33 42 31 00-0612 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,882.08	
33 42 31 00-0613 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,149.47	
33 42 31 00-0614 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,393.64	
33 42 31 00-0615 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0616 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,235.75	
33 42 31 00-0617 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,768.29	
33 42 31 00-0618 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,299.05	
33 42 31 00-0619 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,719.87	
33 42 31 00-0620 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,137.80	
33 42 31 00-0621 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,518.65	
33 42 31 00-0622 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
33 42 31 00-0623 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,923.80	
33 42 31 00-0624 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,503.57	
33 42 31 00-0625 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,040.51	
33 42 31 00-0626 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,535.72	
33 42 31 00-0627 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,988.11	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0628	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,398.76	
	33 42 31 00-0629	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,563.41	
	33 42 31 00-0630	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,926.12	
	33 42 31 00-0631	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,184.22	
	33 42 31 00-0632	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,338.78	
	33 42 31 00-0633	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,451.77	
	33 42 31 00-0634	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,474.03	
	33 42 31 00-0635	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,405.51	
33 42 31 00-0636			Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0637	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,217.16	
	33 42 31 00-0638	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,750.02	
	33 42 31 00-0639	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,245.78	
	33 42 31 00-0640	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,703.36	
	33 42 31 00-0641	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,121.62	
	33 42 31 00-0642	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,502.78	
33 42 31 00-0643			Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0644	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,053.98	
	33 42 31 00-0645	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,629.26	
	33 42 31 00-0646	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,162.80	
	33 42 31 00-0647	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,653.52	
	33 42 31 00-0648	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,102.51	
	33 42 31 00-0649	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,509.78	
	33 42 31 00-0650	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,579.27	
	33 42 31 00-0651	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,941.65	
	33 42 31 00-0652	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,199.41	
	33 42 31 00-0653	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,352.56	
	33 42 31 00-0654	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,465.30	
	33 42 31 00-0655	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,487.27	
	33 42 31 00-0656	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,418.49	
33 42 31 00-0657			Type GO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0658	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,305.93	
	33 42 31 00-0659	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,680.44	
	33 42 31 00-0660	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,027.89	
	33 42 31 00-0661	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,348.30	
	33 42 31 00-0662	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,641.64	
	33 42 31 00-0663	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,909.04	
	33 42 31 00-0664	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,375.92	
	33 42 31 00-0665	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,272.74	
	33 42 31 00-0666	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,100.05	
	33 42 31 00-0667	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,860.04	
	33 42 31 00-0668	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,592.98	
	33 42 31 00-0669	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,265.46	
	33 42 31 00-0670	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,879.66	
33 42 31 00-0671			Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0446)		
	33 42 31 00-0672	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,012.59	
	33 42 31 00-0673	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,504.87	
	33 42 31 00-0674	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,961.74	
	33 42 31 00-0675	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,384.33	
	33 42 31 00-0676	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,770.41	
	33 42 31 00-0677	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,122.19	
	33 42 31 00-0678	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,914.16	
	33 42 31 00-0679	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,070.04	
	33 42 31 00-0680	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,137.79	
	33 42 31 00-0681	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,118.53	
	33 42 31 00-0682	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,063.00	
	33 42 31 00-0683	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,931.02	
	33 42 31 00-0684	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,722.59	
33 42 33			Stormwater Curbside Drains and Inlets (33 42)		
	33 42 33 00-0001		Curb Inlet Frames And Covers (33 42 33)		
	33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)		
	33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	1,752.10	129.03
	33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	1,873.30	149.98
	33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	1,948.33	149.98
	33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	2,133.53	176.45
	33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	2,110.17	188.57
33 42 36			Stormwater Trench Drains (33 42)		



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Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0001 Modular Trench Drains <small>(33 42 36)</small> See CSI section 03 31 13 00-0011 for concrete.		
33 42 36 00-0002 Modular Trench Drains <small>(33 42 36 00-0001)</small> Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003 4" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0003)</small>		
33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0004)</small>		
33 42 36 00-0006 LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zum Z844-C).....	68.54	17.65
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	104.23	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	208.46	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	333.53	
For Type 304 Stainless Steel Top Veneer Frame, Add	83.38	
For Aluminum Veneer Bronze Anodized Frame, Add	41.69	
33 42 36 00-0007 Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0004)</small>		
33 42 36 00-0008 EA Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	52.13	
33 42 36 00-0009 EA No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	63.17	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	63.17	
33 42 36 00-0011 6" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0012 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0013 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0014 LF 6" Wide, High Density Polyethylene, Modular Trench Drain	213.58	17.65
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	104.23	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	208.46	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	333.53	
For Type 304 Stainless Steel Top Veneer Frame, Add	83.38	
For Aluminum Veneer Bronze Anodized Frame, Add	41.69	
33 42 36 00-0015 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0016 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	97.09	
33 42 36 00-0017 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	108.13	
33 42 36 00-0018 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	108.13	
33 42 36 00-0019 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0020 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	187.47	
33 42 36 00-0021 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	187.47	
33 42 36 00-0022 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	888.96	
33 42 36 00-0023 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	1,722.78	
33 42 36 00-0024 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	208.46	
33 42 36 00-0025 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0026 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0027 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	311.55	17.65
For Black Acid Resistant Coated Frame, Add	79.21	
For Galvanized Top Frame Assembly, Add	79.21	
For Type 304 Stainless Steel Top Frame Assembly, Add	291.84	
33 42 36 00-0028 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0029 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	105.43	
33 42 36 00-0030 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	116.47	
33 42 36 00-0031 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	116.47	
33 42 36 00-0032 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0033 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	187.47	
33 42 36 00-0034 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	187.47	
33 42 36 00-0035 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	888.96	
33 42 36 00-0036 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,722.78	
33 42 36 00-0037 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	208.46	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 36 00-0038	6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0039	6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0040	LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	403.27	17.65
	<i>For Black Acid Resistant Coated Frame, Add</i>	79.21	
	<i>For Galvanized Top Frame Assembly, Add</i>	79.21	
	<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	291.84	
33 42 36 00-0041	Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains		
33 42 36 00-0042	EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	172.14	
33 42 36 00-0043	EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	183.18	
33 42 36 00-0044	EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	183.18	
33 42 36 00-0045	Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0046	EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	187.47	
33 42 36 00-0047	EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	187.47	
33 42 36 00-0048	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	888.96	
33 42 36 00-0049	EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,722.78	
33 42 36 00-0050	EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	208.46	
33 42 36 00-0051	6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0052	6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0053	LF 6" Wide, Polymer Concrete, Modular Trench Drain	478.72	
33 42 36 00-0054	Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0055	EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	189.66	
33 42 36 00-0056	EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	230.95	
33 42 36 00-0057	EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	72.66	
33 42 36 00-0058	12" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0059	12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0060	12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0061	LF 12" Wide, High Density Polyethylene, Modular Trench Drain	402.89	24.27
	<i>For Acid Resistant Coated Top Frame, Add</i>	108.40	
	<i>For Galvanized Welded Frame Assembly, Add</i>	113.61	
	<i>For Type 304 Stainless Steel Top Frame, Add</i>	650.38	
33 42 36 00-0062	Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0063	EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	200.34	
33 42 36 00-0064	EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	215.04	
33 42 36 00-0065	EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	215.04	
33 42 36 00-0066	Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0059)</small>		
33 42 36 00-0067	EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	335.30	
33 42 36 00-0068	EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	439.53	
33 42 36 00-0069	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,752.46	
33 42 36 00-0070	EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	3,420.10	
33 42 36 00-0071	EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	416.91	
33 42 36 00-0072	12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0073	12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0074	LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	507.12	24.27
	<i>For Acid Resistant Coated Top Frame, Add</i>	108.40	
	<i>For Galvanized Welded Frame Assembly, Add</i>	113.61	
	<i>For Type 304 Stainless Steel Top Frame, Add</i>	650.38	
33 42 36 00-0075	Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0076	EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	208.68	
33 42 36 00-0077	EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	223.38	
33 42 36 00-0078	EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	223.38	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0072)</small>		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	335.30	
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	439.53	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,752.46	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,420.10	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	416.91	
33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	715.58	24.27
<i>For Acid Resistant Coated Top Frame, Add</i>	108.40	
<i>For Galvanized Welded Frame Assembly, Add</i>	113.61	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	650.38	
33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0089 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	521.36	
33 42 36 00-0090 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	536.06	
33 42 36 00-0091 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	536.06	
33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0085)</small>		
33 42 36 00-0093 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	335.30	
33 42 36 00-0094 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	439.53	
33 42 36 00-0095 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,752.46	
33 42 36 00-0096 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,420.10	
33 42 36 00-0097 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	416.91	
33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0058)</small>		
33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0098)</small>		
33 42 36 00-0100 LF 12" Wide, Polymer Concrete, Modular Trench Drain	642.09	
33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains <small>(33 42 36 00-0098)</small>		
33 42 36 00-0102 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	322.78	
33 42 36 00-0103 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	556.26	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	127.81	
33 42 36 00-0105 23" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0106 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0105)</small>		
33 42 36 00-0107 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0108 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	564.99	33.09
<i>For Acid Resistant Coated Frame, Add</i>	162.59	
<i>For Galvanized Frame Assembly, Add</i>	162.59	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	1,000.58	
33 42 36 00-0109 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0110 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	639.56	
33 42 36 00-0111 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	931.84	
33 42 36 00-0112 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	931.84	
33 42 36 00-0113 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0114 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	762.67	
33 42 36 00-0115 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	3,473.11	
33 42 36 00-0116 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	6,808.39	
33 42 36 00-0117 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	833.82	
33 42 36 00-0118 Modular Trench Drain Grates <small>(33 42 36 00-0001)</small>		
33 42 36 00-0119 4" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0120 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	43.87	3.30
33 42 36 00-0121 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	46.13	3.30
33 42 36 00-0122 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	37.11	3.30
33 42 36 00-0123 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	99.15	3.30
33 42 36 00-0124 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	37.11	3.30

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0125 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	99.15	3.30
33 42 36 00-0126 6" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0127 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	205.64	3.30
33 42 36 00-0128 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	174.16	3.30
33 42 36 00-0129 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	182.92	3.30
33 42 36 00-0130 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	159.78	3.30
33 42 36 00-0131 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	172.28	3.30
33 42 36 00-0132 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	174.37	3.30
33 42 36 00-0133 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	174.37	3.30
33 42 36 00-0134 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	172.28	3.30
33 42 36 00-0135 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	151.44	3.30
33 42 36 00-0136 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	151.44	3.30
33 42 36 00-0137 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	161.03	3.30
33 42 36 00-0138 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	161.03	3.30
33 42 36 00-0139 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	209.81	3.30
33 42 36 00-0140 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	209.81	3.30
33 42 36 00-0141 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	384.91	3.30
33 42 36 00-0142 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	384.91	3.30
33 42 36 00-0143 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,072.81	3.30
33 42 36 00-0144 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	143.10	3.30
33 42 36 00-0145 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	309.86	3.30
33 42 36 00-0146 12" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0147 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	568.89	3.58
33 42 36 00-0148 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	543.87	3.58
33 42 36 00-0149 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	473.00	3.58
33 42 36 00-0150 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	496.97	3.58
33 42 36 00-0151 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	429.22	3.58
33 42 36 00-0152 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	840.92	3.58
33 42 36 00-0153 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	840.92	3.58
33 42 36 00-0154 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,073.35	3.58
33 42 36 00-0155 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,073.35	3.58
33 42 36 00-0156 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,370.40	3.58
33 42 36 00-0157 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,370.40	3.58
33 42 36 00-0158 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,300.57	3.58
33 42 36 00-0159 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	613.71	3.58
33 42 36 00-0160 23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)		
33 42 36 00-0161 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	898.81	3.86
33 42 36 00-0162 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	757.06	3.86
33 42 36 00-0163 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,173.97	3.86
33 42 36 00-0164 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	869.62	3.86
33 44 Storm Utility Water Drains (33 40)		
33 44 36 Oil and Stormwater Separators (33 44)		
33 44 36 00-0001 Oil/Water Separator (33 44 36)		
Note: Complete with internal sensors and detectors.		
33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	19,107.18	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	23,360.43	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways	27,960.16	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	
33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	29,634.87	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	34,074.20	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	41,592.27	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	



Utilities	33	CS
Stormwater Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0011	EA		3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000, 5'-4" diameter x 21'-4" long tank.	48,395.74	
			<i>For Interior Polyurethane Coating, Add</i>	1,550.70	
33 44 36 00-0012	EA		5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000, 6' diameter x 28'-8" long tank.	64,246.44	
			<i>For Interior Polyurethane Coating, Add</i>	2,057.80	
33 44 36 00-0013			Accessories For Coalescing Oil Water Separators <small>(33 44 36 00-0002)</small>		
33 44 36 00-0014	EA		Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,180.80	
33 44 36 00-0015	EA		Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,605.99	
33 44 36 00-0016	EA		Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	954.36	
33 44 36 00-0017	EA		1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	704.79	
33 44 36 00-0018	EA		Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	236.83	
33 44 36 00-0019	EA		550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,065.60	
33 44 36 00-0020	EA		3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,131.19	
33 44 36 00-0021	EA		5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,196.88	
33 44 36 00-0022	EA		550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	730.69	
33 44 36 00-0023	EA		2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	863.80	
33 44 36 00-0024	EA		3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,727.60	
33 44 36 00-0025	EA		5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,839.31	
33 44 36 00-0026	EA		30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,042.66	
33 44 36 00-0027	EA		36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,359.66	
33 44 36 00-0028	EA		48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,884.63	
33 44 36 00-0029	EA		54" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,440.33	
33 44 36 00-0030	EA		66" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	4,426.16	
33 44 36 00-0031	EA		66" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	5,557.58	
33 44 36 00-0032	EA		78" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	7,009.28	
33 44 36 00-0033	EA		550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,387.23	
33 44 36 00-0034	EA		1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,690.89	
33 44 36 00-0035	EA		2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,655.92	
33 44 36 00-0036	EA		550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,322.76	
33 44 36 00-0037	EA		1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,605.61	
33 44 36 00-0038	EA		2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,905.11	
33 44 36 00-0039	EA		18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	112.31	
33 44 36 00-0040	EA		24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	126.87	
33 44 36 00-0041			Oil Skimmers <small>(33 44 36)</small>		
33 44 36 00-0042			Oil Skimmers, 12" And 24" Models <small>(33 44 36 00-0041)</small>		
33 44 36 00-0043	EA		Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,215.98	683.44
33 44 36 00-0044	EA		Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,451.78	683.44
33 44 36 00-0045	EA		Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,237.82	683.44
33 44 36 00-0046	EA		Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,540.20	683.44
33 44 36 00-0047	EA		Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,485.62	683.44
33 44 36 00-0048	EA		Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,685.39	683.44
33 44 36 00-0049	EA		Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,536.92	683.44
33 44 36 00-0050	EA		Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,838.22	683.44
33 44 36 00-0051	EA		Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,925.15	911.44
33 44 36 00-0052	EA		Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	6,177.32	911.44
33 44 36 00-0053	EA		Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,991.74	911.44
33 44 36 00-0054	EA		Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	6,354.17	911.44
33 44 36 00-0055	EA		Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,562.67	911.44
33 44 36 00-0056	EA		Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,814.84	911.44
33 44 36 00-0057	EA		Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,616.16	911.44
33 44 36 00-0058	EA		Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,979.68	911.44
33 44 36 00-0059			Oil Skimmers, Add-Ons <small>(33 44 36 00-0041)</small>		
33 44 36 00-0060	LF		Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF		Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF		Add For Spacer Stands, 12" Models.....	275.45	
33 44 36 00-0063	LF		Add For Spacer Stands, 24" Models.....	323.48	

33	33 Utilities
	33 40 Stormwater Utilities
	33 46 Stormwater Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 46 Stormwater Management (33 40)

33 46 23 Modular Buried Stormwater Storage Units (33 46)

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) (33 46 23)
 Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) <small>(33 46 23 00-0001)</small>	
33 46 23 00-0003 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	585.65
33 46 23 00-0004 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	541.00
33 46 23 00-0005 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	508.48
33 46 23 00-0006 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	477.02
33 46 23 00-0007 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	241.52
33 46 23 00-0008 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	214.08
33 46 23 00-0009 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	197.91
33 46 23 00-0010 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	181.98

33 46 23 00-0011 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) <small>(33 46 23 00-0001)</small>	
33 46 23 00-0012 EA Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	332.12
33 46 23 00-0013 EA >10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	304.59
33 46 23 00-0014 EA >20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	285.23
33 46 23 00-0015 EA >30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	267.51
33 46 23 00-0016 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	188.51
33 46 23 00-0017 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	168.14
33 46 23 00-0018 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	155.58
33 46 23 00-0019 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	144.34

33 46 23 00-0020 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) <small>(33 46 23 00-0001)</small>	
33 46 23 00-0021 EA Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	999.39
33 46 23 00-0022 EA >10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	932.16
33 46 23 00-0023 EA >20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	878.01
33 46 23 00-0024 EA >30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	828.62
33 46 23 00-0025 EA Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	841.07
33 46 23 00-0026 EA >10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	781.74
33 46 23 00-0027 EA >20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	735.12
33 46 23 00-0028 EA >30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	692.88

33 46 23 00-0029 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) <small>(33 46 23 00-0001)</small>	
33 46 23 00-0030 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	608.35
33 46 23 00-0031 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	562.59
33 46 23 00-0032 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	528.97
33 46 23 00-0033 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	496.48
33 46 23 00-0034 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	241.52
33 46 23 00-0035 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	209.79
33 46 23 00-0036 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	197.91
33 46 23 00-0037 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	181.98

33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) (33 46 23 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0039 EA Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	1,038.52	
33 46 23 00-0040 EA >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	967.42	
33 46 23 00-0041 EA >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	909.45	
33 46 23 00-0042 EA >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	859.04	
33 46 23 00-0043 EA Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,294.84	
33 46 23 00-0044 EA >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,210.91	
33 46 23 00-0045 EA >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,140.77	
33 46 23 00-0046 EA >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,078.80	
33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers <small>(33 46 23 00-0001)</small>		
33 46 23 00-0048 EA Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	61.55	
33 46 23 00-0049 EA Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	78.20	
33 46 23 00-0050 EA Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	102.09	
33 46 23 00-0051 EA Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Colelction Chamber Or End Cap	128.99	
33 46 23 00-0052 EA 12" x 6" Inspection Port Kit	734.96	
Note: (2712AG6IPKIT)		
33 46 53 Stormwater Leaching Pits <small>(33 46)</small>		
33 46 53 00-0001 Drainage Wells <small>(33 46 53)</small>		
Note: Includes augering hole.		
33 46 53 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	34.88	
33 46 53 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	43.39	
33 46 53 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	59.40	
33 50 Hydrocarbon Utilities <small>(33)</small>		
33 52 Hydrocarbon Transmission and Distribution <small>(33 50)</small>		
33 52 16 Gas Hydrocarbon Piping <small>(33 52)</small>		
33 52 16 13 Steel Natural Gas Piping <small>(33 52 16)</small>		
See CSI section 23 05 23 00-0000 for gas valves.		
33 52 16 13-0001 Gas Distribution Lines <small>(33 52 16 13)</small>		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped <small>(33 52 16 13-0001)</small>		
33 52 16 13-0003 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	31.25	3.02
33 52 16 13-0004 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	36.67	3.32
33 52 16 13-0005 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	43.59	3.41
33 52 16 13-0006 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	44.71	3.49
33 52 16 13-0007 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	46.75	3.54
33 52 16 13-0008 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	49.36	3.80
33 52 16 13-0009 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	72.09	4.47
33 52 16 13-0010 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	89.61	5.63
33 52 16 13-0011 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	123.99	6.81
33 52 16 13-0012 LF 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	172.81	7.89
33 52 16 13-0013 LF 6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	218.42	9.64
33 52 16 13-0014 LF 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	324.56	12.40
33 52 16 13-0015 Gas Line Taps <small>(33 52 16 13-0001)</small>		
Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016 Polyethylene, 60 PSI <small>(33 52 16 13-0015)</small>		
33 52 16 13-0017 EA 2" Polyethylene Hot Tap, With Valve	5,146.21	
33 52 16 13-0018 EA 2-1/2" Polyethylene Hot Tap, With Valve	2,862.27	
33 52 16 13-0019 EA 3" Polyethylene Hot Tap, With Valve	3,004.51	
33 52 16 13-0020 EA 4" Polyethylene Hot Tap, With Valve	8,908.86	
33 52 16 13-0021 EA 6" Polyethylene Hot Tap, With Valve	13,993.57	
33 52 16 13-0022 Steel, Schedule 40 <small>(33 52 16 13-0015)</small>		
Note: For punch steel service tee.		
33 52 16 13-0023 EA 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,320.37	
33 52 16 13-0024 EA 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,376.72	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0025 EA 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,450.89	
33 52 16 13-0026 EA 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,523.00	
33 52 16 13-0027 EA 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,579.19	
33 52 16 13-0028 EA 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,900.34	
33 52 16 13-0029 EA 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,995.17	
33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001) Note: Includes cleaning and priming pipe.		
33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0032 LF 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.31	
33 52 16 13-0033 LF 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.50	
33 52 16 13-0034 LF 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.74	
33 52 16 13-0035 LF 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.17	
33 52 16 13-0036 LF 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.51	
33 52 16 13-0037 LF 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.17	
33 52 16 13-0038 LF 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.17	
33 52 16 13-0039 LF 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.54	
33 52 16 13-0040 LF 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.39	
33 52 16 13-0041 LF 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	12.29	
33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0043 EA 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.66	
33 52 16 13-0044 EA 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	20.66	
33 52 16 13-0045 EA 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	25.61	
33 52 16 13-0046 EA 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	28.64	
33 52 16 13-0047 EA 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	28.64	
33 52 16 13-0048 EA 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	33.88	
33 52 16 13-0049 EA 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	45.36	
33 52 16 13-0050 EA 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	60.43	
33 52 16 13-0051 EA 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	60.93	
33 52 16 13-0052 EA 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	69.86	
33 52 16 13-0053 Service Fittings (33 52 16 13-0001)		
33 52 16 13-0054 Brass Fittings (33 52 16 13-0053)		
33 52 16 13-0055 EA 1/2" X 2" Long Nipples, Threaded Both Ends, Brass	40.27	
33 52 16 13-0056 EA 3/4" X 2" Long Nipples, Threaded Both Ends, Brass	46.97	
33 52 16 13-0057 EA 1" X 2" Long Nipples, Threaded Both Ends, Brass	59.89	
33 52 16 13-0058 EA 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	74.78	
33 52 16 13-0059 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	84.12	
33 52 16 13-0060 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass	110.40	
33 52 16 13-0061 EA 1/2" 90 Degree Elbow, Brass	34.13	
33 52 16 13-0062 EA 3/4" 90 Degree Elbow, Brass	39.32	
33 52 16 13-0063 EA 1" 90 Degree Elbow, Brass	51.22	
33 52 16 13-0064 EA 1-1/4" 90 Degree Elbow, Brass	66.54	
33 52 16 13-0065 EA 1-1/2" 90 Degree Elbow, Brass	76.22	
33 52 16 13-0066 EA 2" 90 Degree Elbow, Brass	102.42	
33 52 16 13-0067 EA 1/2" Diameter Chrome Plated Nipple	28.19	
33 52 16 13-0068 EA 3/4" Diameter Chrome Plated Nipple	36.32	
33 52 16 13-0069 EA 1" Diameter Chrome Plated Nipple	47.33	
33 52 16 13-0070 EA 1-1/4" Diameter Chrome Plated Nipple	67.46	
33 52 16 13-0071 EA 1-1/2" Diameter Chrome Plated Nipple	81.84	
33 52 16 13-0072 EA 2" Diameter Chrome Plated Nipple	110.45	
33 52 16 13-0073 Anodless Gas Riser (33 52 16 13-0053)		
33 52 16 13-0074 EA 3/4" Anodless Gas Riser	101.55	
33 52 16 13-0075 EA 1" Anodless Gas Riser	125.81	
33 52 16 13-0076 EA 1-1/4" Anodless Gas Riser	147.92	
33 52 16 13-0077 EA 1-1/2" Anodless Gas Riser	185.75	
33 52 16 13-0078 EA 2" Anodless Gas Riser	213.67	
33 52 16 13-0079 Brass Service Adapter (33 52 16 13-0053)		
33 52 16 13-0080 EA 1/2" Brass Service Adapter	79.36	
33 52 16 13-0081 EA 3/4" Brass Service Adapter	87.33	
33 52 16 13-0082 EA 1" Brass Service Adapter	105.13	
33 52 16 13-0083 EA 1-1/4" Brass Service Adapter	130.73	
33 52 16 13-0084 EA 1-1/2" Brass Service Adapter	160.21	
33 52 16 13-0085 EA 2" Brass Service Adapter	196.30	
33 52 16 13-0086 EA 2-1/2" Brass Service Adapter	394.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 52 16 13-0087	EA	3" Brass Service Adapter.....	483.25	
33 52 16 13-0088	EA	4" Brass Service Adapter.....	704.75	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.21	1.89
		<i>For Colors, Add</i>	0.05	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.67	2.02
		<i>For SDR 13.5, Deduct</i>	-0.11	
		<i>For Colors, Add</i>	0.07	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.13	2.16
		<i>For SDR 13.5, Deduct</i>	-0.13	
		<i>For Colors, Add</i>	0.08	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.62	2.29
		<i>For SDR 13.5, Deduct</i>	-0.16	
		<i>For Colors, Add</i>	0.10	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.43	2.76
		<i>For SDR 13.5, Deduct</i>	-0.22	
		<i>For Colors, Add</i>	0.14	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	7.24	3.00
		<i>For SDR 13.5, Deduct</i>	-0.29	
		<i>For SDR 15.5, Deduct</i>	-0.53	
		<i>For Colors, Add</i>	0.19	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	9.07	3.52
		<i>For SDR 13.5, Deduct</i>	-0.48	
		<i>For SDR 15.5, Deduct</i>	-0.88	
		<i>For Colors, Add</i>	0.31	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	11.03	4.18
		<i>For SDR 13.5, Deduct</i>	-0.66	
		<i>For SDR 15.5, Deduct</i>	-1.21	
		<i>For Colors, Add</i>	0.42	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	17.62	4.74
		<i>For SDR 13.5, Deduct</i>	-1.22	
		<i>For SDR 15.5, Deduct</i>	-2.23	
		<i>For Colors, Add</i>	0.78	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	22.17	4.74
		<i>For SDR 13.5, Deduct</i>	-1.69	
		<i>For SDR 15.5, Deduct</i>	-3.10	
		<i>For Colors, Add</i>	1.09	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	26.85	4.74
		<i>For SDR 13.5, Deduct</i>	-2.16	
		<i>For SDR 15.5, Deduct</i>	-3.96	
		<i>For Colors, Add</i>	1.39	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	39.60	5.92
		<i>For SDR 13.5, Deduct</i>	-3.59	
		<i>For SDR 15.5, Deduct</i>	-6.60	
		<i>For Colors, Add</i>	2.32	

33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 26-0001 High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	4.28	1.89
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	4.77	2.02
		<i>For SDR 13.5, Deduct</i>	-0.12	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	5.23	2.16
		<i>For SDR 13.5, Deduct</i>	-0.14	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	5.75	2.29
		<i>For SDR 13.5, Deduct</i>	-0.17	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	6.61	2.76
		<i>For SDR 13.5, Deduct</i>	-0.24	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	7.47	3.00
		<i>For SDR 13.5, Deduct</i>	-0.32	
		<i>For SDR 15.5, Deduct</i>	-0.58	
		<i>For SDR 17, Deduct</i>	-0.85	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	9.46	3.52
		<i>For SDR 13.5, Deduct</i>	-0.53	
		<i>For SDR 15.5, Deduct</i>	-0.97	
		<i>For SDR 17, Deduct</i>	-1.41	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	11.56	4.18
		<i>For SDR 13.5, Deduct</i>	-0.72	
		<i>For SDR 15.5, Deduct</i>	-1.33	
		<i>For SDR 17, Deduct</i>	-1.93	
		<i>For SDR 21, Deduct</i>	-2.64	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	18.60	4.74
		<i>For SDR 13.5, Deduct</i>	-1.34	
		<i>For SDR 15.5, Deduct</i>	-2.46	
		<i>For SDR 17, Deduct</i>	-3.57	
		<i>For SDR 21, Deduct</i>	-4.88	

33	Utilities
33 50	Hydrocarbon Utilities
33 52	Hydrocarbon Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0011 LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	28.59	4.74
For SDR 13.5, Deduct	-2.37	
For SDR 15.5, Deduct	-4.36	
For SDR 17, Deduct	-6.33	
For SDR 21, Deduct	-8.66	
33 52 16 26-0012 LF 8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	42.49	5.92
For SDR 13.5, Deduct	-3.95	
For SDR 15.5, Deduct	-7.26	
For SDR 17, Deduct	-10.54	
For SDR 21, Deduct	-14.42	

33 53 Hydrocarbon Utility Pressure Regulation ^(33 50)

33 53 16 Gas Hydrocarbon Pressure Regulation ^(33 53)

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends ^(33 53 16)

33 53 16 00-0002 EA 3/4" Gas Pressure Regulator, Screwed End.....	277.67	19.78
33 53 16 00-0003 EA 1" Gas Pressure Regulator, Screwed End.....	282.16	19.78
33 53 16 00-0004 EA 1-1/4" Gas Pressure Regulator, Screwed End.....	292.94	23.50
33 53 16 00-0005 EA 1-1/2" Gas Pressure Regulator, Screwed End.....	1,023.22	27.20
33 53 16 00-0006 EA 2" Gas Pressure Regulator, Screwed End.....	1,080.05	42.13
33 53 16 00-0007 EA 3" Gas Pressure Regulator, Screwed End.....	3,050.07	94.52
33 53 16 00-0008 EA 4" Gas Pressure Regulator, Screwed End.....	4,244.47	125.28

33 56 Hydrocarbon Storage ^(33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks ^(33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage ^(33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering ^(33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters ^(33 59)

33 59 11 00-0001 Diaphragm Meters ^(33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	655.82	77.45
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0003 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	1,315.90	118.44
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0004 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	1,564.49	118.44
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0005 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	3,516.34	148.05
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	3,963.33	182.22
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,292.60	148.05
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,874.78	182.22
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	7,793.24	193.61
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	11,061.70	227.77
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0011 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	16,870.94	375.82
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	

33 59 16 Hydrocarbons Turbine Meters ^(33 59)

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading ^(33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	13,445.84	394.53
33 59 16 00-0003 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	14,646.94	458.15
33 59 16 00-0004 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	22,720.82	493.43
33 59 16 00-0005 EA 10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	44,262.29	600.70
33 59 16 00-0006 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	72,674.83	750.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 60 Hydronic and Steam Energy Utilities ⁽³³⁾

33 61 Hydronic Energy Distribution ^(33 60)

33 61 13 Buried Hydronic Energy Distribution ^(33 61)

33 61 13 00-0001 Glass Lined Steel Piping ^(33 61 13)

33 61 13 00-0002 Glass Lined Steel Pipe ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,583.69
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,748.63
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,748.63
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,078.50
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	2,954.71
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,422.03
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,325.98
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	2,872.24
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	2,872.24
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,253.65
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,250.05
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	6,076.01
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,276.64
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	3,946.69
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	3,946.69
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,538.88
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	6,148.17
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	6,987.77
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	8,891.98
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	8,891.98
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	9,214.98
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	9,827.73
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	11,028.06
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	13,623.47
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	18,557.50

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	1,895.29
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	3,100.69
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	5,721.27
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	10,164.73
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	15,043.41
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	17,672.25
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	20,300.71

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,857.49
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	3,100.69
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	5,982.41
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	16,885.80
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	15,043.41
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	17,672.25
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	20,300.71

33 61 13 00-0044 Tee, Glass Lined Steel Fittings ^(33 61 13 00-0001)

Note: 150 PSIG

33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	2,945.93
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	5,062.39
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	7,500.93
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	12,949.00
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	18,433.91
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	21,722.65
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	24,955.37

33 61 13 00-0052 Prefabricated/Preinsulated Pipe ^(33 61 13)

Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe ^(33 61 13 00-0052)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0054 Standard Black Steel Carrier Pipe ^(33 61 13 00-0053)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	170.03	20.23
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.86	
			<i>For Schedule 80 Pipe, Add</i>	28.61	
33 61	13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	186.45	21.83
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.15	
			<i>For Schedule 80 Pipe, Add</i>	31.47	
33 61	13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	208.13	23.18
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.54	
			<i>For Schedule 80 Pipe, Add</i>	35.44	
33 61	13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	222.84	24.48
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.80	
			<i>For Schedule 80 Pipe, Add</i>	38.04	
33 61	13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.48	25.98
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.98	
			<i>For Schedule 80 Pipe, Add</i>	39.77	
33 61	13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	258.96	32.13
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.32	
			<i>For Schedule 80 Pipe, Add</i>	43.22	
33 61	13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	285.70	39.21
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.67	
			<i>For Schedule 80 Pipe, Add</i>	46.68	
33 61	13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	360.52	49.93
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.88	
			<i>For Schedule 80 Pipe, Add</i>	58.79	
33 61	13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	457.60	61.16
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
			<i>For Schedule 80 Pipe, Add</i>	75.21	
33 61	13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	532.11	71.65
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.73	
			<i>For Schedule 80 Pipe, Add</i>	87.31	
33 61	13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	750.84	86.59
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.71	
			<i>For Schedule 80 Pipe, Add</i>	127.08	
33 61	13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	975.93	103.03
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.77	
			<i>For Schedule 80 Pipe, Add</i>	167.71	
33 61	13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,215.11	126.79
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.92	
			<i>For Schedule 80 Pipe, Add</i>	209.21	
33 61	13 00-0068		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	184.34	20.23
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.15	
			<i>For Schedule 80 Pipe, Add</i>	31.48	
33 61	13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	202.18	21.83
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.46	
			<i>For Schedule 80 Pipe, Add</i>	34.61	
33 61	13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	225.85	23.18
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.90	
			<i>For Schedule 80 Pipe, Add</i>	38.99	
33 61	13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	241.86	24.48
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.18	
			<i>For Schedule 80 Pipe, Add</i>	41.84	
33 61	13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	253.37	25.98
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.37	
			<i>For Schedule 80 Pipe, Add</i>	43.74	
33 61	13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	280.58	32.13
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.75	
			<i>For Schedule 80 Pipe, Add</i>	47.55	
33 61	13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	309.05	39.21
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.14	
			<i>For Schedule 80 Pipe, Add</i>	51.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0076 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	389.91	49.93
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.47	
<i>For Schedule 80 Pipe, Add</i>	64.66	
33 61 13 00-0077 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	495.20	61.16
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.27	
<i>For Schedule 80 Pipe, Add</i>	82.73	
33 61 13 00-0078 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	575.77	71.65
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.60	
<i>For Schedule 80 Pipe, Add</i>	96.05	
33 61 13 00-0079 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	814.39	86.59
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.98	
<i>For Schedule 80 Pipe, Add</i>	139.79	
33 61 13 00-0080 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,059.79	103.03
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.45	
<i>For Schedule 80 Pipe, Add</i>	184.48	
33 61 13 00-0081 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,319.71	126.79
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.01	
<i>For Schedule 80 Pipe, Add</i>	230.13	
33 61 13 00-0082 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0083 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	191.50	20.23
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
<i>For Schedule 80 Pipe, Add</i>	32.91	
33 61 13 00-0084 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	210.05	21.83
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.62	
<i>For Schedule 80 Pipe, Add</i>	36.19	
33 61 13 00-0085 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	234.72	23.18
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.08	
<i>For Schedule 80 Pipe, Add</i>	40.76	
33 61 13 00-0086 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	251.37	24.48
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.37	
<i>For Schedule 80 Pipe, Add</i>	43.74	
33 61 13 00-0087 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	263.31	25.98
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.57	
<i>For Schedule 80 Pipe, Add</i>	45.73	
33 61 13 00-0088 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	291.38	32.13
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.97	
<i>For Schedule 80 Pipe, Add</i>	49.71	
33 61 13 00-0089 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	320.72	39.21
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.37	
<i>For Schedule 80 Pipe, Add</i>	53.69	
33 61 13 00-0090 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	404.61	49.93
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.76	
<i>For Schedule 80 Pipe, Add</i>	67.60	
33 61 13 00-0091 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	514.00	61.16
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.65	
<i>For Schedule 80 Pipe, Add</i>	86.49	
33 61 13 00-0092 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	597.60	71.65
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.04	
<i>For Schedule 80 Pipe, Add</i>	100.41	
33 61 13 00-0093 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	846.16	86.59
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.61	
<i>For Schedule 80 Pipe, Add</i>	146.14	
33 61 13 00-0094 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,101.71	103.03
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.29	
<i>For Schedule 80 Pipe, Add</i>	192.87	
33 61 13 00-0095 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,372.02	126.79
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.06	
<i>For Schedule 80 Pipe, Add</i>	240.59	

33 61 13 00-0096 Standard Black Steel Carrier Pipe (33 61 13 00-0053)
 Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	202.23 3.51 35.05	20.23
33 61	13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	221.85 3.85 38.55	21.83
33 61	13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	248.01 4.34 43.42	23.18
33 61	13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	265.63 4.66 46.60	24.48
33 61	13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	278.22 4.87 48.71	25.98
33 61	13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	307.59 5.30 52.95	32.13
33 61	13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	338.22 5.72 57.19	39.21
33 61	13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	426.65 7.20 72.01	49.93
33 61	13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	542.21 9.21 92.13	61.16
33 61	13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	630.34 10.70 106.96	71.65
33 61	13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	893.81 15.57 155.67	86.59
33 61	13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,164.61 20.54 205.45	103.03
33 61	13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i> <i>For Schedule 80 Pipe, Add</i>	1,450.47 25.63 256.28	126.79
33 61	13 00-0110		Preinsulated Black Steel Fittings (33 61 13 00-0052) Note: No excavation or backfill.		
33 61	13 00-0111		Elbows (33 61 13 00-0110)		
33 61	13 00-0112		Elbows (33 61 13 00-0111) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,214.34 21.80	
33 61	13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,249.61 22.31	
33 61	13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,427.86 25.39	
33 61	13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,578.48 27.69	
33 61	13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,733.07 28.85	
33 61	13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,925.11 30.00	
33 61	13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,228.82 34.62	
33 61	13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,600.70 40.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0121 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,218.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.93	
33 61 13 00-0122 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,602.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.98	
33 61 13 00-0123 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,135.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	85.26	
33 61 13 00-0124 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,743.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	108.98	
33 61 13 00-0125 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,765.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	144.24	
33 61 13 00-0126 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0127 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,296.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.43	
33 61 13 00-0128 EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,333.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.98	
33 61 13 00-0129 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,523.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.29	
33 61 13 00-0130 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,682.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.77	
33 61 13 00-0131 EA 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,841.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.01	
33 61 13 00-0132 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,037.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.25	
33 61 13 00-0133 EA 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,358.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.21	
33 61 13 00-0134 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,752.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.42	
33 61 13 00-0135 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,413.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.82	
33 61 13 00-0136 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,823.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.40	
33 61 13 00-0137 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,454.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	91.66	
33 61 13 00-0138 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,151.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	117.16	
33 61 13 00-0139 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,306.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	155.06	
33 61 13 00-0140 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0141 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,377.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.07	
33 61 13 00-0142 EA 1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,416.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.66	
33 61 13 00-0143 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,618.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.19	
33 61 13 00-0144 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,786.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.85	
33 61 13 00-0145 EA 2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,949.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.18	
33 61 13 00-0146 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,150.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.50	
33 61 13 00-0147 EA 3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,488.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.81	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,903.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.45	
33 61	13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,607.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.72	
33 61	13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,044.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.83	
33 61	13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,774.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	98.05	
33 61	13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,560.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	125.33	
33 61	13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,847.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	165.88	
33 61	13 00-0154		Elbows <small>(33 61 13 00-0111)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,459.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.70	
33 61	13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,500.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.33	
33 61	13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,713.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.10	
33 61	13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,890.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.93	
33 61	13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,057.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.34	
33 61	13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,262.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.75	
33 61	13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,618.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.41	
33 61	13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,055.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.47	
33 61	13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,802.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.61	
33 61	13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,265.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	72.25	
33 61	13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,094.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.45	
33 61	13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,969.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	133.50	
33 61	13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,388.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	176.70	
33 61	13 00-0168		Tees <small>(33 61 13 00-0110)</small>		
33 61	13 00-0169		Tees <small>(33 61 13 00-0168)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,805.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.37	
33 61	13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,857.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.13	
33 61	13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,122.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.70	
33 61	13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,346.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.13	
33 61	13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,577.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.84	
33 61	13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,864.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0176 EA 3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,317.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.41	
33 61 13 00-0177 EA 4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,870.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.98	
33 61 13 00-0178 EA 5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,792.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	77.11	
33 61 13 00-0179 EA 6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,359.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	87.58	
33 61 13 00-0180 EA 8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,637.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	126.61	
33 61 13 00-0181 EA 10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,035.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	161.84	
33 61 13 00-0182 EA 12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	13,040.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	214.20	
33 61 13 00-0183 Tees <small>(33 61 13 00-0168)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0184 EA 3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,926.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.80	
33 61 13 00-0185 EA 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,981.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.61	
33 61 13 00-0186 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,263.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.53	
33 61 13 00-0187 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,500.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.21	
33 61 13 00-0188 EA 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,738.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.05	
33 61 13 00-0189 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,031.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.89	
33 61 13 00-0190 EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,510.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.26	
33 61 13 00-0191 EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,095.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	64.47	
33 61 13 00-0192 EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,081.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	82.89	
33 61 13 00-0193 EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,688.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	94.15	
33 61 13 00-0194 EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,111.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	136.11	
33 61 13 00-0195 EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,642.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	173.98	
33 61 13 00-0196 EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	13,843.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	230.26	
33 61 13 00-0197 Tees <small>(33 61 13 00-0168)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0198 EA 3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,047.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.22	
33 61 13 00-0199 EA 1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,105.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.10	
33 61 13 00-0200 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,405.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.35	
33 61 13 00-0201 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,655.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.30	
33 61 13 00-0202 EA 2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,898.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.27	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,198.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.24	
33 61	13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,702.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.12	
33 61	13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,320.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	68.97	
33 61	13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,370.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	88.68	
33 61	13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,016.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	100.72	
33 61	13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,586.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	145.61	
33 61	13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,249.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	186.11	
33 61	13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	14,646.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	246.33	
33 61	13 00-0211		Tees <small>(33 61 13 00-0168)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,169.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.65	
33 61	13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,230.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.58	
33 61	13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,546.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.18	
33 61	13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,809.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.38	
33 61	13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,059.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.48	
33 61	13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,365.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.58	
33 61	13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,895.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.97	
33 61	13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,545.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	73.47	
33 61	13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,659.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	94.46	
33 61	13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,345.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	107.29	
33 61	13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,061.54	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	155.10	
33 61	13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,855.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	198.25	
33 61	13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	15,450.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	262.39	
33 61	13 00-0225		Reducers <small>(33 61 13 00-0110)</small>		
33 61	13 00-0226		Reducers <small>(33 61 13 00-0225)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,016.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.09	
33 61	13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,046.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.52	
33 61	13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,196.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.07	
33 61	13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,323.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0231 EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,458.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.94	
33 61 13 00-0232 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,637.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.90	
33 61 13 00-0233 EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,888.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.73	
33 61 13 00-0234 EA 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,199.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.52	
33 61 13 00-0235 EA 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,715.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.10	
33 61 13 00-0236 EA 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,035.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.95	
33 61 13 00-0237 EA 8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,323.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.77	
33 61 13 00-0238 EA 10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,687.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.46	
33 61 13 00-0239 EA 12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,381.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	119.72	
33 61 13 00-0240 Reducers <small>(33 61 13 00-0225)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0241 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,084.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.45	
33 61 13 00-0242 EA 1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,115.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.91	
33 61 13 00-0243 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,275.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.65	
33 61 13 00-0244 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,409.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.71	
33 61 13 00-0245 EA 2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,548.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.74	
33 61 13 00-0246 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,730.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.77	
33 61 13 00-0247 EA 3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,996.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.89	
33 61 13 00-0248 EA 4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,324.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.04	
33 61 13 00-0249 EA 5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,876.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.33	
33 61 13 00-0250 EA 6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,219.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.62	
33 61 13 00-0251 EA 8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,588.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	76.08	
33 61 13 00-0252 EA 10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,027.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	97.24	
33 61 13 00-0253 EA 12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,830.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	128.70	
33 61 13 00-0254 Reducers <small>(33 61 13 00-0225)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0255 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,152.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.80	
33 61 13 00-0256 EA 1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,185.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.29	
33 61 13 00-0257 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,354.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.23	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,496.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.43	
33 61	13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,638.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.54	
33 61	13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,823.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.64	
33 61	13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,104.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.04	
33 61	13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,450.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.55	
33 61	13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,038.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.56	
33 61	13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,402.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.30	
33 61	13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,854.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	81.38	
33 61	13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,366.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.02	
33 61	13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,279.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	137.68	
33 61	13 00-0268		Reducers <small>(33 61 13 00-0225)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,220.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.16	
33 61	13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,254.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.68	
33 61	13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,433.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.81	
33 61	13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,582.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.16	
33 61	13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,728.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.33	
33 61	13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,917.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.50	
33 61	13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,212.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.20	
33 61	13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,576.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.06	
33 61	13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,200.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.80	
33 61	13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,586.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.97	
33 61	13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,119.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	86.69	
33 61	13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,705.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	110.81	
33 61	13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,728.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	146.66	
33 61	13 00-0282		Preinsulated Type K Copper Pipe <small>(33 61 13 00-0052)</small>		
			Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61	13 00-0283		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.67	18.18
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61	13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.98	19.62
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0286 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....57.76	57.76	20.84
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.53	0.53	
33 61 13 00-0287 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....61.46	61.46	22.01
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.57	0.57	
33 61 13 00-0288 LF 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....64.79	64.79	23.36
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.60	0.60	
33 61 13 00-0289 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....75.65	75.65	28.89
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.65	0.65	
33 61 13 00-0290 LF 3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....87.78	87.78	35.24
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.70	0.70	
33 61 13 00-0291 LF 4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....111.29	111.29	44.89
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.88	0.88	
33 61 13 00-0292 LF 5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....138.71	138.71	54.98
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....1.13	1.13	
33 61 13 00-0293 LF 6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....161.91	161.91	64.42
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....1.31	1.31	
33 61 13 00-0294 LF 8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....211.78	211.78	78.14
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....1.90	1.90	
33 61 13 00-0295 LF 10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....264.36	264.36	92.63
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....2.51	2.51	
33 61 13 00-0296 LF 12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....327.44	327.44	113.98
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....3.13	3.13	
33 61 13 00-0297 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0298 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....50.81	50.81	18.18
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.47	0.47	
33 61 13 00-0299 LF 1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....55.33	55.33	19.62
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.52	0.52	
33 61 13 00-0300 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....60.41	60.41	20.84
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.58	0.58	
33 61 13 00-0301 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....64.31	64.31	22.01
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.63	0.63	
33 61 13 00-0302 LF 2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....67.76	67.76	23.36
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.65	0.65	
33 61 13 00-0303 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....78.89	78.89	28.89
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.71	0.71	
33 61 13 00-0304 LF 3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....91.27	91.27	35.24
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.77	0.77	
33 61 13 00-0305 LF 4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....115.69	115.69	44.89
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.97	0.97	
33 61 13 00-0306 LF 5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....144.34	144.34	54.98
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....1.24	1.24	
33 61 13 00-0307 LF 6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....168.44	168.44	64.42
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....1.44	1.44	
33 61 13 00-0308 LF 8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....221.29	221.29	78.14
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....2.09	2.09	
33 61 13 00-0309 LF 10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....276.91	276.91	92.63
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....2.76	2.76	
33 61 13 00-0310 LF 12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....343.09	343.09	113.98
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....3.44	3.44	
33 61 13 00-0311 Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0312 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....51.88	51.88	18.18
<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....0.49	0.49	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.51	19.62
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61	13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.74	20.84
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61	13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.73	22.01
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.25	23.36
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61	13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.51	28.89
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
33 61	13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	93.02	35.24
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
33 61	13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	117.89	44.89
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.01	
33 61	13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	147.15	54.98
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.29	
33 61	13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	171.71	64.42
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.50	
33 61	13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	226.05	77.84
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.19	
33 61	13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	283.18	92.63
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.89	
33 61	13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	350.92	113.98
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.60	
33 61	13 00-0325		Type K Copper Carrier Pipe <small>(33 61 13 00-0282)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.49	18.18
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61	13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.27	19.62
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61	13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.73	20.84
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.87	22.01
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.48	23.36
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61	13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.93	28.89
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
33 61	13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	95.64	35.24
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
33 61	13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	121.19	44.89
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.08	
33 61	13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	151.37	54.98
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.38	
33 61	13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	176.61	64.42
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.60	
33 61	13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.18	77.84
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.33	
33 61	13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	292.59	92.63
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.07	
33 61	13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	362.66	113.98
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.84	
33 61	13 00-0339		Preinsulated Copper Fittings <small>(33 61 13 00-0052)</small>		
33 61	13 00-0340		Elbows <small>(33 61 13 00-0339)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0341 Elbows <small>(33 61 13 00-0340)</small>					
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0342	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	352.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.88	
33 61 13 00-0343	EA		1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	366.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.00	
33 61 13 00-0344	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.69	
33 61 13 00-0345	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	478.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.20	
33 61 13 00-0346	EA		2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	575.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61 13 00-0347	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	705.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.72	
33 61 13 00-0348	EA		3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	820.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.75	
33 61 13 00-0349	EA		4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	957.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
33 61 13 00-0350	EA		5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,122.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.63	
33 61 13 00-0351	EA		6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,228.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.21	
33 61 13 00-0352	EA		8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,712.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.09	
33 61 13 00-0353	EA		10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,345.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.41	
33 61 13 00-0354	EA		12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,966.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.30	

33 61 13 00-0355 Elbows <small>(33 61 13 00-0340)</small>					
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 00-0356	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	370.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.25	
33 61 13 00-0357	EA		1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	385.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.37	
33 61 13 00-0358	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	443.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.11	
33 61 13 00-0359	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	501.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.67	
33 61 13 00-0360	EA		2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	599.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.94	
33 61 13 00-0361	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	730.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.22	
33 61 13 00-0362	EA		3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	849.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.33	
33 61 13 00-0363	EA		4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	991.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.72	
33 61 13 00-0364	EA		5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,166.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.50	
33 61 13 00-0365	EA		6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,277.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.20	
33 61 13 00-0366	EA		8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,784.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.53	
33 61 13 00-0367	EA		10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,436.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.24	
33 61 13 00-0368	EA		12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,087.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.72	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 00-0369	Elbows <small>(33 61 13 00-0340)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0370	EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	388.94	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.61	
33 61 13 00-0371	EA 1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	403.92	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.75	
33 61 13 00-0372	EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	464.75	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.54	
33 61 13 00-0373	EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.10	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.13	
33 61 13 00-0374	EA 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	624.21	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.43	
33 61 13 00-0375	EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	755.86	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.73	
33 61 13 00-0376	EA 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	878.71	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.92	
33 61 13 00-0377	EA 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,025.51	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.40	
33 61 13 00-0378	EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,209.62	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.37	
33 61 13 00-0379	EA 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,327.70	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.19	
33 61 13 00-0380	EA 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,855.97	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.96	
33 61 13 00-0381	EA 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,528.00	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.07	
33 61 13 00-0382	EA 12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,208.62	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.15	
33 61 13 00-0383	Elbows <small>(33 61 13 00-0340)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.			
33 61 13 00-0384	EA 3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.24	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.98	
33 61 13 00-0385	EA 1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	422.66	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.12	
33 61 13 00-0386	EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	486.07	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.96	
33 61 13 00-0387	EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	548.36	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.60	
33 61 13 00-0388	EA 2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	648.44	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.91	
33 61 13 00-0389	EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	781.06	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.23	
33 61 13 00-0390	EA 3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	907.78	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.50	
33 61 13 00-0391	EA 4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,059.42	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.08	
33 61 13 00-0392	EA 5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,253.23	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.24	
33 61 13 00-0393	EA 6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,377.22	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.18	
33 61 13 00-0394	EA 8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,927.57	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.39	
33 61 13 00-0395	EA 10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,619.53	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,329.75 39.57	
33 61	13 00-0397			Tees <small>(33 61 13 00-0399)</small>		
33 61	13 00-0398			Tees <small>(33 61 13 00-0397)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	524.79 7.25	
	33 61	13 00-0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	545.76 7.42	
	33 61	13 00-0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	628.72 8.44	
	33 61	13 00-0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	713.02 9.21	
	33 61	13 00-0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	858.31 9.59	
	33 61	13 00-0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,052.55 9.98	
	33 61	13 00-0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,225.07 11.51	
	33 61	13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,429.78 13.43	
	33 61	13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,677.82 17.27	
	33 61	13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,833.33 19.61	
	33 61	13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,553.49 28.35	
	33 61	13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,501.74 36.24	
	33 61	13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,424.81 47.97	
33 61	13 00-0412			Tees <small>(33 61 13 00-0397)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	551.97 7.79	
	33 61	13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	573.58 7.98	
	33 61	13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	660.38 9.08	
	33 61	13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	747.55 9.90	
	33 61	13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	894.29 10.31	
	33 61	13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,089.96 10.73	
	33 61	13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,268.24 12.38	
	33 61	13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,480.15 14.44	
	33 61	13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,742.58 18.56	
	33 61	13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,906.88 21.08	
	33 61	13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,659.81 30.48	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,637.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.96	
33 61	13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,604.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.56	
33 61	13 00-0426		Tees <small>(33 61 13 00-0397)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	579.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.34	
33 61	13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	601.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.53	
33 61	13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	692.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.71	
33 61	13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	782.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.59	
33 61	13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	930.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.03	
33 61	13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,127.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.47	
33 61	13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,311.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.24	
33 61	13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,530.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.45	
33 61	13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,807.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.86	
33 61	13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,980.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.56	
33 61	13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,765.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.61	
33 61	13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,770.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.68	
33 61	13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,787.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.16	
33 61	13 00-0440		Tees <small>(33 61 13 00-0397)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	606.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.88	
33 61	13 00-0442	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	629.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.09	
33 61	13 00-0443	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	723.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.34	
33 61	13 00-0444	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	816.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.28	
33 61	13 00-0445	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	966.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.75	
33 61	13 00-0446	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,164.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.22	
33 61	13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,354.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.10	
33 61	13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,580.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.45	
33 61	13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,872.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.15	
33 61	13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,054.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0451 EA 8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,871.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.73	
33 61 13 00-0452 EA 10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,906.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.40	
33 61 13 00-0453 EA 12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,967.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.76	
33 61 13 00-0454 Reducers <small>(33 61 13 00-0339)</small>		
33 61 13 00-0455 Reducers <small>(33 61 13 00-0454)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0456 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	300.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.05	
33 61 13 00-0457 EA 1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	312.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.15	
33 61 13 00-0458 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	360.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.72	
33 61 13 00-0459 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	408.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.15	
33 61 13 00-0460 EA 2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	495.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0461 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	619.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.58	
33 61 13 00-0462 EA 3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	714.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.43	
33 61 13 00-0463 EA 4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.51	
33 61 13 00-0464 EA 5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	969.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.65	
33 61 13 00-0465 EA 6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,059.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.96	
33 61 13 00-0466 EA 8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,474.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.85	
33 61 13 00-0467 EA 10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,026.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.26	
33 61 13 00-0468 EA 12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,554.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.81	
33 61 13 00-0469 Reducers <small>(33 61 13 00-0454)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0470 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	315.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.36	
33 61 13 00-0471 EA 1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	327.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.46	
33 61 13 00-0472 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	377.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.07	
33 61 13 00-0473 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	428.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61 13 00-0474 EA 2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	515.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.76	
33 61 13 00-0475 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	640.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.99	
33 61 13 00-0476 EA 3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	738.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61 13 00-0477 EA 4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	858.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.07	
33 61 13 00-0478 EA 5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,005.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.38	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,100.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.78	
33 61	13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,534.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.04	
33 61	13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,102.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.78	
33 61	13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,654.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.82	
33 61	13 00-0483		Reducers <small>(33 61 13 00-0454)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	330.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61	13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	343.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61	13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	395.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61	13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	447.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61	13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	535.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61	13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	661.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61	13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	763.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61	13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	886.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61	13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,042.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61	13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,141.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61	13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,593.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.22	
33 61	13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,177.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.29	
33 61	13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,755.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	
33 61	13 00-0497		Reducers <small>(33 61 13 00-0454)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	345.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.96	
33 61	13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	358.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.08	
33 61	13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	413.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.78	
33 61	13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	466.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.31	
33 61	13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.57	
33 61	13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	682.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.83	
33 61	13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	787.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.88	
33 61	13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	914.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0506 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,078.26 11.82	
33 61 13 00-0507 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,183.04 13.43	
33 61 13 00-0508 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,652.80 19.41	
33 61 13 00-0509 EA 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,253.56 24.81	
33 61 13 00-0510 EA 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,856.19 32.84	
33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0052)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0512 Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0513 LF 4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	208.07	58.01
33 61 13 00-0514 LF 6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	305.14	83.30
33 61 13 00-0515 LF 8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	416.66	100.64
33 61 13 00-0516 LF 10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	532.47	119.77
33 61 13 00-0517 LF 12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	661.55	147.40
33 61 13 00-0518 Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0519 LF 4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	222.91	58.05
33 61 13 00-0520 LF 6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	327.19	83.30
33 61 13 00-0521 LF 8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	448.76	100.64
33 61 13 00-0522 LF 10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	574.83	119.77
33 61 13 00-0523 LF 12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	714.39	147.41
33 61 13 00-0524 LF 14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	783.26	157.29
33 61 13 00-0525 LF 16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	886.01	168.51
33 61 13 00-0526 LF 18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,001.15	179.76
33 61 13 00-0527 LF 20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,104.55	191.00
33 61 13 00-0528 LF 24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,315.16	207.84
33 61 13 00-0529 Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0052)</small>		
33 61 13 00-0530 Elbows <small>(33 61 13 00-0529)</small>		
33 61 13 00-0531 Elbows <small>(33 61 13 00-0530)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0532 EA 4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,895.83	
33 61 13 00-0533 EA 6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,572.79	
33 61 13 00-0534 EA 8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,647.07	
33 61 13 00-0535 EA 10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,841.18	
33 61 13 00-0536 EA 12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,248.33	
33 61 13 00-0537 Elbows <small>(33 61 13 00-0530)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538 EA 4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,079.26	
33 61 13 00-0539 EA 6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,840.64	
33 61 13 00-0540 EA 8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,034.30	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0541 EA 10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,336.13	
33 61 13 00-0542 EA 12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,903.40	
33 61 13 00-0543 EA 14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,416.00	
33 61 13 00-0544 EA 16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	9,988.53	
33 61 13 00-0545 EA 18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	12,479.31	
33 61 13 00-0546 EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	15,802.27	
33 61 13 00-0547 EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	20,307.64	
33 61 13 00-0548 Tees <small>(33 61 13 00-0529)</small>		
33 61 13 00-0549 Tees <small>(33 61 13 00-0548)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,824.04	
33 61 13 00-0551 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,831.30	
33 61 13 00-0552 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,427.38	
33 61 13 00-0553 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,210.84	
33 61 13 00-0554 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	9,302.05	
33 61 13 00-0555 Tees <small>(33 61 13 00-0548)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0556 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,096.42	
33 61 13 00-0557 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,229.07	
33 61 13 00-0558 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	6,002.41	
33 61 13 00-0559 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,945.83	
33 61 13 00-0560 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	10,274.85	
33 61 13 00-0561 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	12,345.07	
33 61 13 00-0562 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	14,656.01	
33 61 13 00-0563 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	18,312.55	
33 61 13 00-0564 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	23,197.95	
33 61 13 00-0565 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	29,801.65	
33 61 13 00-0566 Reducers <small>(33 61 13 00-0529)</small>		
33 61 13 00-0567 Reducers <small>(33 61 13 00-0566)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0568 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,613.98	
33 61 13 00-0569 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,181.36	
33 61 13 00-0570 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,088.31	
33 61 13 00-0571 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,109.31	
33 61 13 00-0572 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,292.50	
33 61 13 00-0573 Reducers <small>(33 61 13 00-0566)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0574 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	1,766.22	
33 61 13 00-0575 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	2,403.67	
33 61 13 00-0576 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	3,409.70	
33 61 13 00-0577 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	4,520.11	
33 61 13 00-0578 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	5,836.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0579 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	7,004.08	
33 61 13 00-0580 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	8,305.96	
33 61 13 00-0581 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	10,324.30	
33 61 13 00-0582 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	13,147.48	
33 61 13 00-0583 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	16,927.95	
33 61 13 00-0584 Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0582)</small>		
33 61 13 00-0585 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0586 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	181.03	24.03
33 61 13 00-0587 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	236.27	27.22
33 61 13 00-0588 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	333.91	29.77
33 61 13 00-0589 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	463.16	37.21
33 61 13 00-0590 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	594.48	45.89
33 61 13 00-0591 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0592 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	80.78	27.22
33 61 13 00-0593 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	98.44	27.22
33 61 13 00-0594 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	115.15	27.22
33 61 13 00-0595 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	137.83	32.17
33 61 13 00-0596 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	165.75	40.83
33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
33 61 13 00-0598 LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	80.78	27.22
33 61 13 00-0599 LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	98.43	27.22
33 61 13 00-0600 LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	113.90	27.22
33 61 13 00-0601 LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	137.82	32.17
33 61 13 00-0602 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	165.74	40.83
33 70 Electrical Utilities <small>(33)</small>		
33 71 Electrical Utility Transmission and Distribution <small>(33 70)</small>		
33 71 19 Electrical Underground Ducts, Ductbanks and Manholes <small>(33 71)</small>		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 71 19 13 Electrical Manholes and Handholes <small>(33 71 19)</small>		
33 71 19 13-0001 Electrical Handholes And Pull Boxes <small>(33 71 19 13)</small>		
33 71 19 13-0002 Electrical Pull Boxes <small>(33 71 19 13-0001)</small>		
See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,441.89	533.39
33 71 19 13-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,950.60	591.22
33 71 19 13-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,438.78	642.63
33 71 19 13-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,471.60	771.16
33 71 19 13-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	5,864.53	771.16
33 71 19 13-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,321.64	803.29
33 71 19 13-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,283.02	899.68
33 71 19 13-0010 EA 18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,576.57	591.22
33 71 19 13-0011 EA 14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,281.20	385.58
33 71 19 13-0012 EA 18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,621.23	771.16
33 71 19 13-0013 EA 24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,203.12	899.68
33 71 19 13-0014 EA 24" x 3', Round Electric Pull Boxes, Precast Concrete	1,401.91	224.92
33 71 19 13-0015 EA 30" x 3', Round Electric Pull Boxes, Precast Concrete	1,479.39	240.99
33 71 19 13-0016 Electrical Pull Boxes (CALTRANS) <small>(33 71 19 13-0001)</small>		
33 71 19 13-0017 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box	138.99	
33 71 19 13-0018 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	55.80	
33 71 19 13-0019 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	85.61	
33 71 19 13-0020 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	181.92	
33 71 19 13-0021 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	281.77	
<i>For Galvanized Steel Cover, Add</i> 48.34		
33 71 19 13-0022 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	70.25	

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0023	EA		Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	70.25	
33 71 19 13-0024	EA		Body, CALTRANS 5 Precast Concrete Pull Box.....	198.73	
33 71 19 13-0025	EA		Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	74.71	
33 71 19 13-0026	EA		Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	104.52	
33 71 19 13-0027	EA		Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	373.94	
			<i>For Galvanized Steel Cover, Add</i>	88.63	
33 71 19 13-0028	EA		12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	99.79	
33 71 19 13-0029	EA		Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	93.29	
33 71 19 13-0030	EA		Body, CALTRANS 6 Precast Concrete Pull Box.....	217.64	
33 71 19 13-0031	EA		Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	100.12	
33 71 19 13-0032	EA		Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	129.92	
33 71 19 13-0033	EA		Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	513.38	
			<i>For Galvanized Steel Cover, Add</i>	124.08	
33 71 19 13-0034	EA		12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	118.70	
33 71 19 13-0035	EA		Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	111.61	
33 71 19 13-0036	EA		6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	154.15	
33 71 19 13-0037	EA		Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	312.10	
33 71 19 13-0038	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	449.57	
33 71 19 13-0039	EA		12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	142.33	
33 71 19 13-0040	EA		Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	130.51	
33 71 19 13-0041	EA		Body, CALTRANS 5-T Precast Concrete Pull Box.....	406.71	
33 71 19 13-0042	EA		Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	650.45	
33 71 19 13-0043	EA		12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	170.69	
33 71 19 13-0044	EA		Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	165.96	
33 71 19 13-0045	EA		Body, CALTRANS 6-T Precast Concrete Pull Box.....	579.23	
33 71 19 13-0046	EA		Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	910.42	
33 71 19 13-0047	EA		12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	288.86	
33 71 19 13-0048	EA		Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	225.05	
33 71 19 13-0049			Precast Concrete Box Extensions (33 71 19 13-0001)		
33 71 19 13-0050	EA		14" x 20" x 12", Precast Concrete Extension.....	221.80	42.22
33 71 19 13-0051	EA		18" x 28" x 12", Precast Concrete Extension.....	278.65	53.48
33 71 19 13-0052	EA		24" x 36" x 12", Precast Concrete Extension.....	363.84	73.18
33 71 19 13-0053	EA		30" x 48" x 12", Precast Concrete Extension.....	449.91	101.33
33 71 19 13-0054	EA		36" x 60" x 12", Precast Concrete Extension.....	717.01	123.84
33 71 19 13-0055	EA		36" x 72" x 12", Precast Concrete Extension.....	956.82	140.73
33 71 19 13-0056	EA		48" x 48" x 12", Precast Concrete Extension.....	1,083.12	129.47
33 71 19 13-0057	EA		48" x 60" x 12", Precast Concrete Extension.....	1,328.38	151.99
33 71 19 13-0058			Electrical Property Line Boxes (33 71 19 13)		
33 71 19 13-0059	EA		3'-6" x 2'-9" x 2' Deep Property Line Box.....	5,183.32	433.77
33 71 19 13-0060	EA		4'-6" x 3'-6" x 4' Deep Property Line Box.....	6,096.86	449.85
33 71 19 13-0061	EA		6' x 4' x 5' Deep Property Line Box.....	6,684.77	546.23
33 71 19 13-0062	EA		11'-6" x 4'-6" x 6' Deep Property Line Box.....	10,238.16	803.29
33 71 19 13-0063			Manhole Accessories (33 71 19 13)		
33 71 19 13-0064	EA		6" Precast Grade Ring Riser Casting.....	495.84	146.93
33 71 19 13-0065	EA		12" Precast Grade Ring Riser Casting.....	536.99	159.18
33 71 19 13-0066	EA		36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	2,479.28	244.89
33 71 19 13-0067	EA		42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	3,238.81	306.11
33 71 19 13-0068	EA		Cast Iron Adjusting Ring (NEENAH #R-1979).....	1,031.08	163.47
33 71 19 13-0069	EA		Cast Iron Frame And Cover (NEENAH #R-1640-B).....	1,317.39	183.66
33 71 19 23			Trenched Electrical Underground Duct and Ductbanks (33 71 19)		
33 71 19 23-0001			Underground Ductbank (33 71 19 23)		
			Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.		
33 71 19 23-0002			Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (33 71 19 23-0001)		
			Note: Includes appropriate spacers and fittings.		
33 71 19 23-0003	LF		2 At 2", Rigid Galvanized Conduit Duct Bank.....	37.51	
33 71 19 23-0004	LF		4 At 2", Rigid Galvanized Conduit Duct Bank.....	75.07	
33 71 19 23-0005	LF		2 At 3", Rigid Galvanized Conduit Duct Bank.....	77.66	
33 71 19 23-0006	LF		4 At 3", Rigid Galvanized Conduit Duct Bank.....	155.76	
33 71 19 23-0007	LF		2 At 4", Rigid Galvanized Conduit Duct Bank.....	114.38	
33 71 19 23-0008	LF		4 At 4", Rigid Galvanized Conduit Duct Bank.....	229.87	
33 71 19 23-0009	LF		6 At 4", Rigid Galvanized Conduit Duct Bank.....	345.30	
33 71 19 23-0010	LF		2 At 5", Rigid Galvanized Conduit Duct Bank.....	216.64	
33 71 19 23-0011	LF		4 At 5", Rigid Galvanized Conduit Duct Bank.....	432.17	
33 71 19 23-0012	LF		6 At 5", Rigid Galvanized Conduit Duct Bank.....	664.17	
33 71 19 23-0013	LF		2 At 6", Rigid Galvanized Conduit Duct Bank.....	307.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0014 LF 4 At 6", Rigid Galvanized Conduit Duct Bank	617.66	
33 71 19 23-0015 LF 6 At 6", Rigid Galvanized Conduit Duct Bank	919.74	
33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System <small>(33 71 19 23-0001)</small>		
<i>Note: Includes appropriate spacers and fittings.</i>		
33 71 19 23-0017 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.01	
33 71 19 23-0018 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	19.58	
33 71 19 23-0019 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	37.79	
33 71 19 23-0020 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	12.02	
33 71 19 23-0021 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	23.99	
33 71 19 23-0022 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	48.60	
33 71 19 23-0023 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	16.45	
33 71 19 23-0024 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	32.95	
33 71 19 23-0025 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	66.00	
33 71 19 23-0026 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	98.95	
33 71 19 23-0027 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.44	
33 71 19 23-0028 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	42.81	
33 71 19 23-0029 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	83.35	
33 71 19 23-0030 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	119.43	
33 71 19 23-0031 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	36.59	
33 71 19 23-0032 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	58.61	
33 71 19 23-0033 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	117.44	
33 71 19 23-0034 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	187.32	
33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System <small>(33 71 19 23-0001)</small>		
<i>Note: Includes appropriate spacers and fittings.</i>		
33 71 19 23-0036 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.04	
33 71 19 23-0037 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	21.69	
33 71 19 23-0038 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	41.78	
33 71 19 23-0039 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.61	
33 71 19 23-0040 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.21	
33 71 19 23-0041 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	50.17	
33 71 19 23-0042 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.08	
33 71 19 23-0043 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.21	
33 71 19 23-0044 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	68.52	
33 71 19 23-0045 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	102.74	
33 71 19 23-0046 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.39	
33 71 19 23-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	44.71	
33 71 19 23-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	87.16	
33 71 19 23-0049 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	125.15	
33 71 19 23-0050 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	37.91	
33 71 19 23-0051 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	61.35	
33 71 19 23-0052 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	122.91	
33 71 19 23-0053 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	195.53	
33 71 19 23-0054 Male Or Female Adapters <small>(33 71 19 23-0001)</small>		
33 71 19 23-0055 EA 2" Adapter.....	46.06	
33 71 19 23-0056 EA 3" Adapter.....	71.65	
33 71 19 23-0057 EA 4" Adapter.....	94.47	
33 71 19 23-0058 EA 5" Adapter.....	160.82	
33 71 19 23-0059 EA 6" Adapter.....	195.22	
33 71 19 23-0060 Underground Electrical Concrete Markers <small>(33 71 19 23)</small>		
33 71 19 23-0061 EA 36" x 6" x 6", Underground Electric Concrete Marker	365.38	

END OF SECTION 33

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission and Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 Traffic Signals ^(34 41 13)

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern.....	8,555.32	826.28
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34 41 13 00-0003 Traffic Detector Induction Loop ^(34 41 13)

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	412.22	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	514.33	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	581.61	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	503.43	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	873.64	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,073.27	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,142.57	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,426.21	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,528.44	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,634.20	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,759.07	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector..... Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	8.34	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector..... Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	3.80	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	278.76	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	794.64	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	491.95	

34 41 13 00-0020 Overhead Traffic Signals ^(34 41 13)

34 41 13 00-0021	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	6,439.30	1,101.71
34 41 13 00-0022	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	6,633.05	1,101.71
34 41 13 00-0023	EA	Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM).....	6,895.18	1,101.71
34 41 13 00-0024	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	1,199.32	244.89
34 41 13 00-0025	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	1,313.29	244.89
34 41 13 00-0026	EA	Optical Detector For Mast Arm Mounting, 2 Channel.....	1,687.11	244.89
34 41 13 00-0027	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	1,199.32	244.89
34 41 13 00-0028	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	1,313.29	244.89
34 41 13 00-0029	EA	Optical Detector For Pole-Side Mounting, 2 Channel.....	1,687.11	244.89
34 41 13 00-0030	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	1,199.32	244.89
34 41 13 00-0031	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	1,313.29	244.89
34 41 13 00-0032	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,687.11	244.89
34 41 13 00-0033	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	1,199.32	244.89
34 41 13 00-0034	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	1,313.29	244.89
34 41 13 00-0035	EA	Optical Detector For Span Wire Mounting, 2 Channel.....	1,687.11	244.89
34 41 13 00-0036	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	1,199.32	244.89
34 41 13 00-0037	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	1,313.29	244.89
34 41 13 00-0038	EA	Optical Detector For Signal Top Mounting, 2 Channel.....	1,687.11	244.89
34 41 13 00-0039	EA	Phase Selector, 2 Channel.....	3,879.22	30.61
34 41 13 00-0040	EA	Phase Selector, 4 Channel.....	6,033.25	30.61
34 41 13 00-0041	EA	Malfunction Management Unit For Use With NEMA Controller.....	1,945.96	61.22
34 41 13 00-0042	EA	Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	1,945.96	61.22
34 41 13 00-0043	EA	Time Switch, 1-Circuit.....	268.36	36.73

34 Transportation
34 40 Transportation Signaling and Control Equipment
34 41 Roadway Signaling and Control Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41	13 00-0044	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	390.76	15.31
34 41	13 00-0045	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	511.56	15.31
34 41	13 00-0046	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	728.11	15.31
34 41	13 00-0047	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	915.02	15.31
34 41	13 00-0048	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet.....	2,487.80	15.31
34 41	13 00-0049	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	2,487.80	15.31
34 41	13 00-0050	EA	Power Line Surge Protector.....	228.96	9.18
34 41	13 00-0051	EA	Loop Detector Surge Protector.....	116.04	9.18
34 41	13 00-0052	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	14,818.47	1,549.27
34 41	13 00-0053	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	16,117.73	1,549.27
34 41	13 00-0054	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	17,679.12	1,549.27
34 41	13 00-0055	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	18,157.79	1,549.27
34 41	13 00-0056	EA	Speed Limit Beacon Control Option.....	6,524.78	413.14
34 41	13 00-0057	EA	Speed Limit Beacon Control Cabinet.....	7,351.06	826.28
34 41	13 00-0058	EA	Remote Detector Cabinet.....	3,817.99	826.28
34 41	13 00-0059	EA	Traffic Signal Hand Control.....	1,073.22	137.71
34 41	13 00-0060	EA	Load Switch.....	107.27	9.18
34 41	13 00-0061	EA	Extra Pedestrian Detector Isolation Assembly.....	845.28	137.71
34 41	13 00-0062	EA	Fiber Optic Transceivers-Repeater Module.....	1,163.31	244.89
34 41	13 00-0063	EA	Field Transceiver-Repeater.....	561.99	61.22
34 41	13 00-0064	EA	30" Pedestal With Base Plate And Cover.....	936.82	123.07
34 41	13 00-0065	EA	42" Pedestal With Base Plate And Cover (Push Button Pedestal).....	1,098.44	128.67
34 41	13 00-0066	EA	8' Pedestal With Base Plate And Cover.....	1,378.42	144.33
34 41	13 00-0067	EA	11' Pedestal With Base Plate And Cover.....	1,534.22	156.64
34 41	13 00-0068	EA	15' Pedestal With Base Plate And Cover.....	1,704.33	186.84
34 41	13 00-0069	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.66	
34 41	13 00-0070	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.78	
34 41	13 00-0071	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.13	
34 41	13 00-0072	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.48	
34 41	13 00-0073	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.84	
34 41	13 00-0074	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	3.46	
34 41	13 00-0075	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	4.06	
34 41	13 00-0076	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	5.24	
34 41	13 00-0077	LF	3/16" Diameter Messenger Cable.....	0.74	0.11
34 41	13 00-0078	LF	1/4" Diameter Messenger Cable.....	0.90	0.11
34 41	13 00-0079	LF	3/8" Diameter Messenger Cable.....	1.68	0.11
34 41	13 00-0080	LF	1/2" Diameter Messenger Cable.....	3.50	0.22
34 41	13 00-0081	EA	4' Diameter x 10' Concrete Base For Poles.....	3,009.25	
			Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41	13 00-0082	EA	4' Diameter x 16' Concrete Base For Poles.....	4,752.16	
			Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41	13 00-0083	EA	Internally Illuminated Street Name Sign, 1 Line, 4'.....	2,921.44	275.43
34 41	13 00-0084	EA	Internally Illuminated Street Name Sign, 1 Line, 6'.....	3,606.20	344.29
34 41	13 00-0085	EA	Internally Illuminated Street Name Sign, 1 Line, 8'.....	3,926.26	413.14
34 41	13 00-0086	EA	Internally Illuminated Street Name Sign, 1 Line, 10'.....	4,428.69	482.00
34 41	13 00-0087	EA	Internally Illuminated Street Name Sign, 1 Line, 12'.....	4,748.75	550.86
34 41	13 00-0088	EA	Internally Illuminated Street Name Sign, 2 Line, 4'.....	4,644.66	275.43
34 41	13 00-0089	EA	Internally Illuminated Street Name Sign, 2 Line, 6'.....	5,721.49	344.29
34 41	13 00-0090	EA	Internally Illuminated Street Name Sign, 2 Line, 8'.....	6,169.19	413.14
34 41	13 00-0091	EA	Internally Illuminated Street Name Sign, 2 Line, 10'.....	6,890.44	482.00
34 41	13 00-0092	EA	Internally Illuminated Street Name Sign, 2 Line, 12'.....	7,392.85	550.86
34 41	13 00-0093	EA	Photoelectric Controller, Multi-Volt.....	97.86	31.83
34 41	13 00-0094	EA	Photoelectric Controller, 120 Volt.....	90.52	31.83
34 41	13 00-0095	EA	Photoelectric Controller, 480 Volt.....	90.52	31.83
34 41	13 00-0096	EA	Wi-Fi Communication Unit.....	1,526.82	137.71
34 41	13 00-0097	EA	Wi-Fi Communication Unit Mounting Bracket.....	320.54	103.29
34 41	13 00-0098	EA	Wi-Fi Communication Unit Power Supply / POE Injector.....	294.99	68.86
34 41	13 00-0099	EA	Wi-Fi Communication Unit Packet.....	2,142.35	206.57
34 41	13 00-0100	LF	Preemptor Detector Cable.....	1.69	
34 41	13 00-0101	EA	Sno-Shoe Cable Storage Assembly.....	274.47	
34 41	13 00-0102	EA	16" Pedestal With Base Plate And Cover.....	1,799.31	186.84
34 41	13 00-0103	EA	Vehicle Signal Face, LED, 1 - 12" Section.....	581.39	175.59
34 41	13 00-0104	EA	Vehicle Signal Face, LED, 2 - 12" Sections.....	949.37	247.89
34 41	13 00-0105	EA	Vehicle Signal Face, LED, 3 - 12" Sections.....	1,335.35	302.97
34 41	13 00-0106	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	1,266.97	302.97
34 41	13 00-0107	EA	Vehicle Signal Face, LED, 4 - 12" Sections.....	1,700.53	337.40
34 41	13 00-0108	EA	Vehicle Signal Face, LED, 5 - 12" Sections.....	2,038.16	358.05
34 41	13 00-0109	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	2,170.37	358.05
34 41	13 00-0110	EA	Vehicle Signal Face, LED, 1 - 8" Section.....	547.20	175.59
34 41	13 00-0111	EA	Vehicle Signal Face, LED, 2 - 8" Sections.....	880.99	247.89
34 41	13 00-0112	EA	Vehicle Signal Face, LED, 3 - 8" Sections.....	1,168.95	302.97
34 41	13 00-0113	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	1,253.29	302.97
34 41	13 00-0114	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,554.65	337.40
34 41	13 00-0115	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	1,506.78	337.40
34 41	13 00-0116	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,787.43	358.05
34 41	13 00-0117	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,894.56	358.05
34 41	13 00-0118	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	2,748.58	302.97
34 41	13 00-0119	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	3,599.27	337.40
34 41	13 00-0120	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	4,705.06	358.05
34 41	13 00-0121	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	5,103.95	358.05
34 41	13 00-0122	EA	Bracket Signal Mounting Assembly.....	562.63	137.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0123 EA Mast Arm Signal Mounting Assembly	993.06	275.43
34 41 13 00-0124 EA Top Pole Signal Mounting Assembly	347.89	103.29
34 41 13 00-0125 EA Pedestrian Signal Head	1,028.58	206.57
34 41 13 00-0126 EA Pedestrian Signal Insert.....	637.38	103.29
34 41 13 00-0127 EA Audible Pedestrian Signal.....	1,509.90	
34 41 13 00-0128 EA Junction Box, Pole Or Post Mounted	633.12	
34 41 13 00-0129 EA Pedestrian Push Button	557.94	
34 41 13 00-0130 EA Illuminated Sign, Bracket Mounted, Symbolic.....	4,655.43	
34 41 13 00-0131 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	4,849.71	
34 41 13 00-0132 EA Sign, Message, "BLANK OUT", Bracket Mounted	5,139.37	
34 41 13 00-0133 EA Sign, Message, "BLANK OUT", Mast Arm Mounted	5,457.73	
34 41 13 00-0134 EA Sign, Fiber Optic, Bracket Mounted	5,873.78	
34 41 13 00-0135 EA Sign, Fiber Optic, Mast Arm Mounted.....	6,198.75	
34 41 13 00-0136 EA 30' Type 15TS Signal And Lighting Standard	8,779.82	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0137 EA 35' Type 21TS Signal And Lighting Standard	10,256.16	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0138 EA 17' Type 18-2-100 Signal And Lighting Standard	4,865.35	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0139 EA 17' Type 18-3-100 Signal And Lighting Standard	5,435.37	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0140 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard	5,653.87	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0141 EA 17' Type 23-3-100 Signal And Lighting Standard	5,653.87	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0142 EA 17' Type 23-4-100 Signal And Lighting Standard	5,768.59	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0143 EA 17' Type 27-3-100 Signal And Lighting Standard	6,342.18	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0144 EA 17' Type 27-4-100 Signal And Lighting Standard	6,474.08	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0145 EA 17' Type 28-5-100 Signal And Lighting Standard	6,744.54	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0146 EA 17' Type 60-5-100 Signal And Lighting Standard	7,170.49	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0147 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard	5,200.67	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0148 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard	9,378.34	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0149 EA 30' Type 19-2-100 Signal And Lighting Standard	10,575.37	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0150 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard	11,034.23	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0151 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard	11,034.23	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0152 EA 30' Type 26-3-100 Signal And Lighting Standard	12,479.64	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0153 EA 30' Type 26-4-100 Signal And Lighting Standard	13,033.73	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0154 EA 30' Type 29-5-100 Signal And Lighting Standard	13,615.49	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0155 EA 30' Type 61-5-100 Signal And Lighting Standard	14,531.81	
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0156 EA 35' Type 17A-2-100 Signal And Lighting Standard	10,908.11	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0157 EA 35' Type 19A-2-100 Signal And Lighting Standard	12,304.65	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0158 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard	12,840.01	
Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0159 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard	12,840.01	
Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0160 EA 35' Type 26A-3-100 Signal And Lighting Standard	14,526.30	
Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0161 EA 35' Type 26A-4-100 Signal And Lighting Standard	15,172.74	
Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0162 EA 35' Type 29A-5-100 Signal And Lighting Standard	15,851.48	
Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0163 EA 35' Type 61A-5-100 Signal And Lighting Standard	16,920.48	
Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0164 EA 15' Steel Straight Mast Arm, MONOTUBE	3,460.73	
34 41 13 00-0165 EA 20' Steel Straight Mast Arm, MONOTUBE	3,630.66	
34 41 13 00-0166 EA 25' Steel Straight Mast Arm, MONOTUBE	3,898.10	
34 41 13 00-0167 EA 30' Steel Straight Mast Arm, MONOTUBE	5,338.91	
34 41 13 00-0168 EA 35' Steel Straight Mast Arm, MONOTUBE	6,462.24	
34 41 13 00-0169 EA 40' Steel Straight Mast Arm, MONOTUBE	6,947.94	
34 41 13 00-0170 EA 45' Steel Straight Mast Arm, MONOTUBE	7,625.96	
34 41 13 00-0171 EA 50' Steel Straight Mast Arm, MONOTUBE	8,659.08	
34 41 13 00-0172 EA 55' Steel Straight Mast Arm, MONOTUBE	9,831.84	
34 41 13 00-0173 EA 60' Steel Straight Mast Arm, MONOTUBE	10,568.19	
34 41 13 00-0174 EA 65' Steel Straight Mast Arm, MONOTUBE	12,273.37	
34 41 13 00-0175 EA 4' Steel Curved Luminaire Mast Arm	1,171.96	
For High Rise Arm, Add	106.59	
For High Rise Straight Arm, Add	85.27	

34 Transportation
34 40 Transportation Signaling and Control Equipment
34 41 Roadway Signaling and Control Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41	13 00-0176	EA	6' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i> <i>For High Rise Straight Arm, Add</i>	1,528.42 142.50 114.00	
34 41	13 00-0177	EA	8' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i> <i>For High Rise Straight Arm, Add</i>	1,912.43 178.41 142.73	
34 41	13 00-0178	EA	10' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i> <i>For High Rise Straight Arm, Add</i>	2,579.11 209.77 167.81	
34 41	13 00-0179	EA	12' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i> <i>For High Rise Straight Arm, Add</i>	2,868.01 247.39 197.91	
34 41	13 00-0180	EA	15' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i> <i>For High Rise Straight Arm, Add</i>	3,019.92 275.89 220.71	
34 41	13 00-0181	EA	20' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i>	3,452.06 329.47	
34 41	13 00-0182	EA	15' Tubular Aluminum Post.....	1,228.65	
34 41	13 00-0183	EA	17' Tubular Aluminum Post.....	1,303.80	
34 41	13 00-0184	EA	20' Tubular Aluminum Post.....	1,444.88	
34 41	13 00-0185	EA	CUT-OFF POLE AND CAPPED	196.92	
34 41	13 00-0186	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	59.68	
34 41	13 00-0187	EA	PAINT EXISTING TS POST COMPLETE	279.03	
34 41	13 00-0188	EA	1 Channel Loop Detector Amplifier	1,999.92	
34 41	13 00-0189	EA	4 Channel Loop Detector Amplifier	3,814.58	
34 41	13 00-0190	EA	FLASHING BEACON WITH DOWNLIGHT	2,689.40	
34 41	13 00-0191	EA	Flashing Beacon, Bracket Mounted	856.32	
34 41	13 00-0192	EA	Flashing Beacon, Mast Arm Mounted.....	856.32	
34 41	13 00-0193	EA	Flashing Beacon, Solar Powered, Bracket Mounted.....	24,751.11	
34 41	13 00-0194	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	4,154.75	
34 41	13 00-0195	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	2,230.83	
34 41	13 00-0196	EA	Smart Sensor HD (Wavetronix HD125)	11,877.06	
34 41	13 00-0197	EA	Access Point (Sensys AP240-ES)	5,491.72	
			Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41	13 00-0198	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	9,501.42	
34 41	13 00-0199	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG).....	336.38	
34 41	13 00-0200	EA	Repeater (Sensys RP240-B-LL)	2,515.97	
			Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41	13 00-0201	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F)	1,124.82	
			Note: Excludes coring.		
34 41	13 00-0202	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,810.38	
34 41	13 00-0203	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	7,427.72	1.79
34 41	13 00-0204	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles	9,717.44	1.79
34 41	13 00-0205	EA	Pole Base Foundation for Type 15 and 21 Poles.....	5,799.13	1.79
34 41	13 00-0206	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,427.72	1.79
34 41	13 00-0207	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	9,717.44	1.79
34 41	13 00-0208	EA	Service Equipment Enclosure, Type III-AF	1,457.62	
34 41	13 00-0209	EA	12", 3 Section Signal, Mast Arm Mounted	1,679.75	
34 41	13 00-0210	EA	8", 3 Section Signal, Mast Arm Mounted	1,497.94	
34 41	13 00-0211	EA	12" FCV Visor	103.53	
34 41	13 00-0212	EA	8" FCV Visor	73.13	
34 41	13 00-0213	EA	Eggcrate Visor	99.76	
34 41	13 00-0214	EA	Pedestrian H/M	1,118.95	
34 41	13 00-0215	EA	Pedestrian Audio	1,230.93	
34 41	13 00-0216	EA	Adjustable Pushbutton.....	300.80	
34 41	13 00-0217	EA	ADA Cap And Switch.....	384.46	
34 41	13 00-0218	EA	3 Section 12" Backplate.....	167.29	
34 41	13 00-0219	EA	3 Section 12" MAS Mount Backplate	246.43	
34 41	13 00-0220	EA	3 Section 8" Backplate.....	134.61	
34 41	13 00-0221	EA	12" Red LED Lenses	284.65	
34 41	13 00-0222	EA	12" Amber LED Lenses	305.56	
34 41	13 00-0223	EA	12" Green LED Lenses	535.03	
34 41	13 00-0224	EA	12" Red Arrow.....	282.96	
34 41	13 00-0225	EA	12" Amber Arrow.....	267.64	
34 41	13 00-0226	EA	12" Green Arrow	401.86	
34 41	13 00-0227	EA	8" Red	279.86	
34 41	13 00-0228	EA	8" Amber	268.55	
34 41	13 00-0229	EA	8" Green	324.37	
34 41	13 00-0230	EA	Hand/Man	490.31	
34 41	13 00-0231	EA	Frameworks, 8" TV-1-T.....	597.59	
34 41	13 00-0232	EA	Frameworks, 8" TV-2-T.....	678.84	
34 41	13 00-0233	EA	Frameworks, MAT MT	177.82	
34 41	13 00-0234	EA	Frameworks, MAS MT	194.07	
34 41	13 00-0235	EA	Frameworks, 3W PT TC	395.60	
34 41	13 00-0236	EA	Frameworks, 2W PT TC	389.35	
34 41	13 00-0237	EA	Frameworks, 2W SM TC.....	367.68	
34 41	13 00-0238	EA	Frameworks, SV-1	243.72	
34 41	13 00-0239	EA	Frameworks, TV-1	235.59	
34 41	13 00-0240	EA	Type III Service Pedestal	4,712.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0241 EA Single Fuse Holder	44.43	
34 41 13 00-0242 EA Double Fuse Holder.....	112.65	
34 41 13 00-0243 EA Pullbox, 1-1/2" x 20" x 14"	101.83	
34 41 13 00-0244 EA Pullbox, 5" x 28" x 18".....	138.30	
34 41 13 00-0245 EA Pullbox, 6" x 36" x 23".....	180.22	
34 41 13 00-0246 EA Pullbox Lids, FL9D.....	111.90	
34 41 13 00-0247 EA Pullbox Lids, FL30D.....	209.30	
34 41 13 00-0248 EA Pullbox Lids, FL36D.....	62.17	
34 41 13 00-0249 EA LED Enhanced Pedestrian Crossing Symbol Sign	1,980.32	111.88
Note: 2 required per system.		
34 41 13 00-0250 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System	5,694.43	671.31
Note: 4 required per system.		
34 41 13 00-0251 EA Power Control Unit With Enclosure (Solar).....	20,185.33	447.55
Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41 13 00-0252 EA Power Control Unit With Enclosure (A/C)	12,932.68	447.55
34 41 13 00-0253 EA Push Button Assembly With Sign	1,124.67	223.77
34 41 13 00-0254 EA Advanced Warning Signs	2,238.14	223.77
34 41 13 00-0255 EA 14' High Galvanized Steel Traffic Signal Pole.....	4,295.33	
Note: For mast arm.		
34 41 13 00-0256 EA 21' High Galvanized Steel Traffic Signal Pole.....	6,651.40	
Note: For mast arm.		
34 41 13 00-0257 EA 22' High Galvanized Steel Traffic Signal Pole.....	6,917.40	
Note: For mast arm and luminare arm.		
34 41 13 00-0258 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm.....	9,372.90	
Note: For mast arm and luminare arm.		
34 41 13 00-0259 EA 32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	9,995.49	
Note: For mast arm and luminare arm.		
34 41 13 00-0260 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	7,728.26	
34 41 13 00-0261 EA 30' High Galvanized Steel Traffic Signal Pole, Octafute	6,862.11	
34 41 13 00-0262 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered.....	5,552.02	
34 41 13 00-0263 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	25,488.59	
34 41 13 00-0264 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	29,403.13	
34 41 13 00-0265 Traffic Signal Cable (34 41 13)		
34 41 13 00-0266 LF 16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.30	0.96
34 41 13 00-0267 LF 16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.60	1.03
34 41 13 00-0268 LF 16 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.90	1.09
34 41 13 00-0269 LF 16 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.18	1.17
34 41 13 00-0270 LF 16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.53	1.23
34 41 13 00-0271 LF 16 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.13	1.37
34 41 13 00-0272 LF 16 AWG, 10-Conductor, Solid, Traffic Signal Cable	4.87	1.57
34 41 13 00-0273 LF 16 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.61	1.78
34 41 13 00-0274 LF 16 AWG, 16-Conductor, Solid, Traffic Signal Cable	6.70	1.99
34 41 13 00-0275 LF 16 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.03	2.19
34 41 13 00-0276 LF 14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.40	0.96
34 41 13 00-0277 LF 14 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.74	1.03
34 41 13 00-0278 LF 14 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.08	1.09
34 41 13 00-0279 LF 14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.39	1.17
34 41 13 00-0280 LF 14 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.79	1.23
34 41 13 00-0281 LF 14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.47	1.37
34 41 13 00-0282 LF 14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.30	1.57
34 41 13 00-0283 LF 14 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.12	1.78
34 41 13 00-0284 LF 14 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.38	1.99
34 41 13 00-0285 LF 14 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.94	2.19
34 41 13 00-0286 LF 12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.63	0.96
34 41 13 00-0287 LF 12 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.08	1.03
34 41 13 00-0288 LF 12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.50	1.09
34 41 13 00-0289 LF 12 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.90	1.17
34 41 13 00-0290 LF 12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.43	1.23
34 41 13 00-0291 LF 12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.31	1.37
34 41 13 00-0292 LF 12 AWG, 10-Conductor, Solid, Traffic Signal Cable	6.33	1.57
34 41 13 00-0293 LF 12 AWG, 12-Conductor, Solid, Traffic Signal Cable	7.35	1.78
34 41 13 00-0294 LF 12 AWG, 16-Conductor, Solid, Traffic Signal Cable	9.02	1.99
34 41 13 00-0295 LF 12 AWG, 20-Conductor, Solid, Traffic Signal Cable	11.12	2.19
34 41 13 00-0296 School Zone Flasher Beacons (34 41 13)		
34 41 13 00-0297 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,046.50	206.80
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0298 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,089.79	206.80
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0299 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,824.93	206.80
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0300 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,963.50	206.80
34 41 13 00-0301 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	12,815.53	206.80
34 41 13 00-0302 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,358.54	206.80
34 41 13 00-0303 Traffic Light Control Synchronization <small>(34 41 13)</small>		
34 41 13 00-0304 EA ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	5,245.75	
34 41 13 00-0305 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	3,907.09	
34 41 13 00-0306 EA ENCOM Dual 2.4/2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	8,909.97	
34 41 13 00-0307 EA 5.8 GHz Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	6,106.10	
34 41 13 00-0308 EA 2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	6,106.10	
34 41 13 00-0309 EA Solar Cabinet Assembly.....	16,405.67	
34 41 13 00-0310 EA Data Controller Interface Cable Assembly	644.04	
34 41 13 00-0311 EA 900 MHZ Splitter.....	771.80	
34 41 13 00-0312 EA 900 MHZ Surge Suppressor.....	278.92	
34 41 13 00-0313 EA Surge-Radio Lead in Cable.....	175.55	
34 41 13 00-0314 EA 12DB GAIN YAGI Antenna	780.68	
34 41 13 00-0315 EA PELCO Antenna Mounting Bracket	516.50	
34 41 13 00-0316 MLF Coaxial Cable, LMR-400.....	4,250.85	
34 41 13 00-0317 EA Perle 16 Port Serial Server	4,357.45	
34 41 13 00-0318 EA Serial to Ethernet Card	2,347.06	
34 41 13 00-0319 EA 404 Stand Alone Modem (GDI 404).....	2,147.13	
34 41 13 00-0320 Traffic Signal Controls <small>(34 41 13)</small>		
34 41 13 00-0321 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,846.67	
34 41 13 00-0322 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	778.98	
34 41 13 00-0323 EA AccessBox for contract closure master card (CC-ACC).....	274.08	
34 41 13 00-0324 EA Flush Mount Wireless Sensor (ATT VSN240-F)	1,054.58	
34 41 13 00-0325 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	1,054.58	
34 41 13 00-0326 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	162.36	
34 41 13 00-0327 EA SNAPS License for each enabled AP (SNAPS-PER-AP).....	448.11	
34 41 13 00-0328 Traffic Signal Devices <small>(34 41 13)</small>		
34 41 13 00-0329 EA 12" Polycarbonate Signal Head Housing (McCain).....	981.56	100.70
34 41 13 00-0330 EA 16" Polycarbonate Pedestrian Signal Housing (McCain)	497.96	78.32
34 41 13 00-0331 EA Pedestrian Push Button Cap & Switch (McCain M31334)	368.93	145.45
34 41 13 00-0332 EA Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	503.18	212.58
34 41 13 00-0333 EA Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	386.37	167.83
34 41 13 00-0334 EA 16 Channel Conflict Monitor (McCain 2010 ECLIP)	1,481.47	72.72
34 41 13 00-0335 EA LED Countdown Head (McCain GTX PS7-CFF1-VLA).....	303.64	27.98
34 41 13 00-0336 EA Traffic signal Video Detection Camera (Iteris RZ4-awdr).....	3,357.04	123.07
34 41 13 00-0337 EA Camera processor card (Iteris Edge Connect).....	7,672.04	179.02
34 41 13 00-0338 EA Wireless Broadband Radio (Encom BB58).....	7,244.95	167.83
34 41 13 00-0339 EA 24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900).....	4,783.70	134.27
34 41 13 00-0340 EA Power Adapter (Mean Well DR-120-48)	165.08	41.96
34 41 13 00-0341 LF 14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	0.96	
34 41 13 00-0342 EA Radar Detection System (Wavetronix Matrix).....	13,854.75	425.16
34 41 13 00-0343 EA Pedestrian Audio Push Button (Polara APS)	407.19	106.29
34 41 13 00-0344 EA Opticom Infrared System - Detector (GTT 711).....	1,069.48	99.81
34 41 13 00-0345 EA Opticom Infrared System - Detector (GTT 721).....	1,196.57	111.66
34 41 13 00-0346 EA Opticom Infrared System - Detector (GTT 722).....	1,666.57	155.53
34 41 13 00-0347 EA Opticom Multimode Phase Selector (GTT 764).....	5,549.66	92.05
34 41 13 00-0348 LF Opticom GPS Installation Cable (GTT 1070)	1.14	
34 41 13 00-0349 EA Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	923.51	
34 41 13 00-0350 EA Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	979.55	
34 41 13 00-0351 EA UPS Module (Alpha Technologies FXM 350)	1,503.21	61.22
34 41 13 00-0352 EA Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual)..... Note: For battery backup in traffic signal control cabinet Note: To control flashing "School" signs	471.18	50.35
34 41 13 00-0353 LF Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR).....	10.60	0.51
34 41 13 00-0354 LF Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	2.54	0.44
34 41 13 00-0355 EA 12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	138.53	50.35
34 41 13 00-0356 EA 12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	138.53	50.35
34 41 13 00-0357 EA 12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA).....	138.53	50.35
34 41 13 00-0358 EA 12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA).....	138.53	50.35
34 41 13 00-0359 EA 12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA).....	138.53	50.35
34 41 13 00-0360 EA 12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA).....	138.53	50.35
34 41 13 00-0361 EA LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA).....	409.86	128.67
34 41 13 00-0362 EA EOC Switch (Actellis ML688).....	5,486.74	397.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0363 EA Ethernet Extender Kit (ENABLE-IT 860 Pro).....	1,479.05	91.83
34 41 13 00-0364 EA #5 pull box lid (Concrete, Bolt down) (Christy N30T).....	117.29	23.98
34 41 13 00-0365 EA #5 pull box lid (Steel, Bolt down) (Christy N30-61J).....	424.15	34.71
34 41 13 00-0366 EA #6 pull box lid (Concrete, Bolt down) (Christy N36T).....	146.37	23.98
34 41 13 00-0367 EA #6 pull box lid (Steel, Bolt down) (Christy N36-61J).....	514.17	34.71
34 41 13 00-0368 EA Battery Back-up (Alpha FXM110 UPS).....	3,562.72	122.44
34 41 13 00-0369 EA Battery (Alpha AlphaCell 220GXL).....	503.59	30.61
34 41 13 00-0370 EA BBS Cabinet (Alpha SE48-1616).....	4,090.01	275.50
34 41 13 00-0371 LF Fiber 72 Strands (Corning 072ZU4-T3F2D20).....	6.11	2.39
34 41 13 00-0372 LF Fiber 12 Strands (Corning 012ZU4-T3F2D20).....	2.70	1.10
34 41 13 00-0373 EA FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE).....	1,270.30	91.83
34 41 13 00-0374 EA 12" THREE SECTION HOUSING (McCain M22435).....	874.48	61.22
34 41 13 00-0375 EA 12" FOUR SECTION HOUSING (McCain M30883).....	1,123.71	91.83
34 41 13 00-0376 EA 12" FIVE SECTION HOUSING (McCain M31769).....	1,311.72	91.83
34 41 13 00-0377 EA 12" CLUSTER, WITHOUT MAS (McCain M30987).....	1,405.72	91.83
34 41 13 00-0378 EA CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	874.48	61.22
34 41 13 00-0379 EA NAVIGATOR iN2 APS 2 WIRE PPB #N250N0-B (Polara iN250N0-B).....	874.48	61.22
34 41 13 00-0380 EA NAVIGATOR iN2 CONTROLLER RACK MOUNT ICCU-C (Polara ICCU-C).....	5,128.81	214.28
34 41 13 00-0381 EA NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C).....	249.23	30.61
34 41 13 00-0382 EA NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C).....	249.23	30.61
34 41 13 00-0383 EA NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C).....	561.85	45.92
34 41 13 00-0384 EA 12" Visor (McCain M19302).....	43.29	12.24
34 41 13 00-0385 EA LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256).....	467.85	45.92
34 41 13 00-0386 EA SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258).....	780.48	61.22
34 41 13 00-0387 EA CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259).....	1,452.73	91.83
34 41 13 00-0388 EA ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487).....	780.48	61.22
34 41 13 00-0389 EA HARN, SB1/SB2,COMM EXTENSION (McCain M48062).....	155.22	30.61
34 41 13 00-0390 EA ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489).....	467.85	45.92
34 41 13 00-0391 EA CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	874.48	61.22
34 41 13 00-0392 EA 242L ISOLATOR, EDI (McCain M56812).....	155.22	30.61
34 41 13 00-0393 EA EDI 222 DETECTOR (McCain M11407).....	202.23	30.61
34 41 13 00-0394 EA ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763).....	3,502.28	153.05
34 41 13 00-0395 EA GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2).....	573.66	61.22
34 41 13 00-0396 EA BBS BATTERY, ALPHACELL 165GXL (McCain M59884).....	780.48	61.22
34 41 13 00-0397 EA Battery Backup Cabinet Anodize 44x26x12 (McCain M64438A).....	1,640.74	91.83

34 41 16 Traffic Control Equipment (34 41)

34 41 16 00-0001 Transportation Control Equipment (34 41 16)

34 41 16 00-0002 EA CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	12,257.60	951.87
34 41 16 00-0003 EA CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	12,367.26	1,006.69
34 41 16 00-0004 EA CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	15,193.13	1,018.53
34 41 16 00-0005 EA CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	18,046.11	1,236.67
34 41 16 00-0006 EA CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	15,071.50	610.08
34 41 16 00-0007 EA CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	16,714.82	667.91
34 41 16 00-0008 EA CONTROLLER, TS, 12-BAY, "M" CABINET.....	27,560.80	1,050.07
34 41 16 00-0009 EA CONTROLLER, TS, 12-BAY, "P" CABINET.....	29,308.07	1,163.68
34 41 16 00-0010 EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	42,137.60	1,308.27
34 41 16 00-0011 EA CONTROLLER, TS, 16-BAY, "P" CABINET.....	33,259.65	1,239.43
34 41 16 00-0012 EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	918.02	145.56
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL.....	780.62	218.55
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION.....	340.15	170.07
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME.....	620.55	288.23
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER.....	14,065.24	382.98
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER.....	34,210.06	574.65
34 41 16 00-0018 EA PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH).....	1,073.27	15.96
34 41 16 00-0019 EA Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU).....	609.09	15.96

34 41 16 00-0020 Transportation Cabinets (34 41 16)

34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0020)

34 41 16 00-0022 EA 50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures).....	2,804.36	183.66
34 41 16 00-0023 EA 66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures).....	12,040.48	183.66
34 41 16 00-0024 EA 46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures).....	2,620.05	183.66
34 41 16 00-0025 EA 50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures).....	2,804.36	183.66
34 41 16 00-0026 EA 60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures).....	12,450.07	183.66
34 41 16 00-0027 EA 55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures).....	1,800.88	183.66

34 41 16 00-0028 Transportation Cabinets (APX Enclosures) (34 41 16 00-0020)

34 41 16 00-0029 EA 28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017).....	6,867.16	214.28
Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.		

34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) (34 41 16 00-0020)

34 41 16 00-0031 EA 30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S).....	2,643.50	183.66
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34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0032 EA 30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S).....	3,300.26	195.91
34 41 16 00-0033 Transportation Cabinets (McCain) (34 41 16 00-0020)		
34 41 16 00-0034 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 3521)	12,546.40	214.28
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0035 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332).....	12,546.40	214.28
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0036 EA ATC ColdFire Controller (McCain 170).....	6,412.38	
34 41 16 00-0037 Traffic Control Equipment (34 41 16)		
34 41 16 00-0038 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15).....	313.81	61.22
34 41 16 00-0039 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	417.50	61.22
34 41 16 00-0040 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	483.36	61.22
34 41 16 00-0041 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	371.38	61.22
34 41 16 00-0042 MLF 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	2,910.29	671.31
34 41 16 00-0043 EA Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02).....	124.45	30.61
34 41 16 00-0044 EA Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141).....	580.45	68.93
34 41 16 00-0045 EA Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003).....	3,069.12	206.80
34 41 16 00-0046 EA Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204).....	556.50	30.61
34 41 16 00-0047 EA Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114).....	798.87	30.61
34 41 16 00-0048 EA 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104).....	912.78	61.22
34 41 16 00-0049 EA Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005).....	4,042.50	61.22
34 41 16 00-0050 EA 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060).....	413.59	206.80
34 41 16 00-0051 EA 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060).....	577.60	51.70
34 41 16 00-0052 EA 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	496.15	68.93
34 41 16 00-0053 EA 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120).....	306.46	68.93
34 41 16 00-0054 EA Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201).....	345.74	30.61
34 41 16 00-0055 EA 24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202).....	419.51	30.61
34 41 16 00-0056 EA Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250).....	187.67	30.61
34 41 16 00-0057 EA Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200).....	567.03	30.61
34 41 16 00-0058 EA Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222).....	640.80	30.61
34 41 16 00-0059 EA RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304).....	798.87	30.61
34 41 16 00-0060 EA Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	61.22	30.61
34 41 16 00-0061 EA Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611).....	506.68	68.93
34 41 16 00-0062 MLF LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400).....	3,437.18	671.31
34 41 16 00-0063 EA N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC).....	59.91	18.37
34 41 16 00-0064 EA Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E).....	1,036.97	73.47
34 41 16 00-0065 EA Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco Id53hdpb-1).....	1,003.40	91.83
34 41 16 00-0066 EA 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	219.38	30.61
34 41 16 00-0067 EA 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	159.32	30.61
34 41 16 00-0068 EA 24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2).....	541.02	30.61
34 41 16 00-0069 EA Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	221.29	30.61
34 41 16 00-0070 EA 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600).....	85.20	30.61
34 41 16 00-0071 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009).....	754.71	61.22
Note: Input/Output for sign peripherals.		
34 41 16 00-0072 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009).....	754.71	61.22
Note: Input/Output for sign peripherals.		
34 41 16 00-0073 EA Control Area Network Distribution Board (Daktronics 0P-1248-0005)	1,439.66	61.22
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0074 EA Control Area Network Distribution Board (Daktronics 0P-1248-0011)	1,439.66	61.22
Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.		
34 41 16 00-0075 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019).....	480.73	61.22
Note: Measures temperature and detects light and reports to CAN Dist Board.		
34 41 16 00-0076 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015).....	691.48	61.22
Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0077 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021).....	691.48	61.22
Note: Measures temperature and detects light and humidity and reports to CAN Dist board.		
34 41 16 00-0078 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003).....	565.03	61.22
Note: Measures temperature and detects light and reports to CAN Dist board.		
34 41 16 00-0079 EA Controller, VFC-3000 Field Controller NTCIPV1 (Daktronics 0A-1248-0016)	9,973.80	244.89
Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.		
34 41 16 00-0080 EA DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025).....	419.51	30.61
Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.		
34 41 16 00-0081 EA Driver (Daktronics 0P-1100-0026).....	793.44	48.98
Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.		
34 41 16 00-0082 EA External Temp Sensor (Daktronics 0P-1100-0014)	698.60	48.98
Note: Sensor that measures ambient temperature.		
34 41 16 00-0083 EA Internal Temp Sensor (Daktronics 0P-1100-0038)	782.91	48.98
Note: Sensor that measures sign internal temperature.		
34 41 16 00-0084 EA Light Level Detector (Daktronics 0P-1151-0002).....	466.77	48.98
Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.		
34 41 16 00-0085 EA Module (Daktronics 0A-1253-0608).....	1,439.66	61.22
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		
34 41 16 00-0086 EA Module (Daktronics 0A-1253-3018).....	1,808.49	61.22
Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0087 EA Module (Daktronics 0A-1266-5002)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,597.73	61.22
34 41 16 00-0088 EA Module (Daktronics 0A-1332-6252)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,230.00	61.22
34 41 16 00-0089 EA Module (Daktronics 0A-1332-6455)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,808.49	61.22
34 41 16 00-0090 EA Module (Daktronics 0A-1332-6654)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,808.49	61.22
34 41 16 00-0091 EA Module (Daktronics 0P-1332-3015)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	965.46	61.22
34 41 16 00-0092 EA Module (Daktronics 0P-1332-4116)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	965.46	61.22
34 41 16 00-0093 EA Module (Daktronics 0P-1332-5031)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	965.46	61.22
34 41 16 00-0094 EA Module (Daktronics 0P-1332-5017)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	965.46	61.22
34 41 16 00-0095 EA Module Without Pan (Daktronics 0A-1253-0603)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,439.66	61.22
34 41 16 00-0096 EA Module Without Pan (Daktronics 0A-1253-1605)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,439.66	61.22
34 41 16 00-0097 EA Module Without Pan (Daktronics 0A-1254-1601)..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,439.66	61.22
34 41 16 00-0098 EA Pixel Strip (Daktronics 0P-1100-0016)..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	491.26	61.22
34 41 16 00-0099 EA Pixel Strip (Daktronics 0P-1100-0029)..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	575.57	61.22
34 41 16 00-0100 EA Power Supply (Daktronics A-1593)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,703.11	61.22
34 41 16 00-0101 EA Power Supply (Daktronics A-1648)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,703.11	61.22
34 41 16 00-0102 EA Power Supply (Daktronics A-2307)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	649.33	61.22
34 41 16 00-0103 EA Surge Suppressor (Daktronics A-1129)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	263.15	36.73
34 41 16 00-0104 EA Surge Suppressor (Daktronics A-1412)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	547.67	36.73
34 41 16 00-0105 EA Surge Suppressor (Daktronics A-1772)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	547.67	36.73
34 41 16 00-0106 EA Surge Suppressor (Daktronics A-2139)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	811.12	36.73
34 41 16 00-0107 EA VCB, Vanguard Control Board (Daktronics 0P-1248-0022)..... Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,376.44	61.22
34 41 16 00-0108 EA VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001)..... Note: Input/Output board for sign peripherals.	1,861.18	61.22
34 41 16 00-0109 EA Power Supply Assembly (Daktronics A-1856R).....	1,228.91	61.22
34 41 16 00-0110 EA Power Supply Isolation Board (Daktronics 0P-1447-2000).....	807.40	61.22
34 41 16 00-0111 EA Ventilation/Circulation Fan (Daktronics B-1075).....	301.58	61.22
34 41 16 00-0112 EA VMS Controller (V2) (Daktronics 0A-1248-0028).....	9,973.80	244.89
34 41 16 00-0113 EA Photo/Temp Sensor (Daktronics 0P-1247-0015).....	691.48	61.22
34 41 16 00-0114 EA Defog Fan (Daktronics B-1053).....	113.91	30.61
34 41 16 00-0115 EA Defog Heater (Daktronics A-1792).....	145.52	30.61
34 41 16 00-0116 EA Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF).....	912.78	61.22
34 41 16 00-0117 EA Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF).....	912.78	61.22
34 41 16 00-0118 EA 1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R).....	1,190.30	61.37
34 41 16 00-0119 EA 1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E).....	1,190.30	61.37
34 41 16 00-0120 EA 16-Port Video Encoder Featuring H.264 Technology (Verint S1816E).....	6,447.34	61.37
34 41 16 00-0121 EA Encoder H.264 Compact, Hiperfmc (Verint S1802E).....	1,538.37	61.37
34 41 16 00-0122 EA 110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261).....	208.90	30.61
34 41 16 00-0123 EA 1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E).....	732.86	61.37
34 41 16 00-0124 EA Single/Quad-Stream Decoder (Bosch VIP-XD).....	1,915.14	61.37
34 41 16 00-0125 EA 1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4).....	296.54	61.22
34 41 16 00-0126 EA 4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B).....	651.81	61.22
34 41 16 00-0127 EA 12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750).....	291.44	15.35
34 41 16 00-0128 EA Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B).....	3,692.51	122.44
34 41 16 00-0129 EA Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1).....	228.32	30.61
34 41 16 00-0130 EA 4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM).....	3,354.07	61.22
34 41 16 00-0131 EA 208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM).....	7,862.87	303.05
34 41 16 00-0132 EA 30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	1,048.47	159.18
34 41 16 00-0133 EA 30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	25.47	9.79
34 41 16 00-0134 EA 60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS).....	2,733.34	122.44
34 41 16 00-0135 EA 60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	57.47	9.79
34 41 16 00-0136 EA 50 Mbps, MiMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	2,433.25	68.93
34 41 16 00-0137 EA Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	131.27	46.53
34 41 16 00-0138 EA 12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (MultiLink 10-4469).....	380.48	61.22
34 41 16 00-0139 EA Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	683.97	15.96
34 41 16 00-0140 EA Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)).....	737.21	15.96

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41	16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	390.37	24.49
34 41	16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	4,712.98	146.93
34 41	16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC).....	173.15	28.16
34 41	16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK).....	44.16	6.12
34 41	16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,485.14	61.22
34 41	16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E).....	5,122.33	122.44
34 41	16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000).....	3,450.62	202.03
34 41	16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS).....	790.97	350.19
34 41	16 00-0149	EA	70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S).....	551.20	244.89
34 41	16 00-0150	EA	60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	114.41	33.06
34 41	16 00-0151	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	86.85	22.04
34 41	16 00-0152	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	67.80	22.04
34 41	16 00-0153	EA	20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	67.80	22.04
34 41	16 00-0154	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4).....	296.54	61.22
34 41	16 00-0155	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC).....	322.27	30.68
34 41	16 00-0156	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC).....	3,017.68	30.68
34 41	16 00-0157	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	588.59	15.96
34 41	16 00-0158	EA	Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	12,127.69	206.80
34 41	16 00-0159	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9).....	459.28	68.93

34 70 Transportation Construction and Equipment ⁽³⁴⁾**34 71 Roadway Construction** ^(34 70)**34 71 13 Vehicle Barriers** ^(34 71)**34 71 13 13 Vehicle Median Barriers** ^(34 71 13)**34 71 13 13-0001 Concrete Median Barrier** ^(34 71 13 13)

34 71	13 13-0002	LF	Median Barrier, Precast, 42" High Single Face.....	67.89	4.33
34 71	13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	111.22	4.33
34 71	13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	156.43	4.33
34 71	13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms.....	49.97	6.93
34 71	13 13-0006	LF	Median Barrier, Slipformed Concrete.....	39.73	3.53

34 71 13 16 Vehicle Crash Barriers ^(34 71 13)**34 71 13 16-0001 Impact Barrier, Non-Redirective** ^(34 71 13 16)**34 71 13 16-0002 Sand Barrel Impact Attenuator** ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71	13 16-0003	EA	200, 400 Or 700 LB Sand Barrel.....	605.88	51.86
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Note: Includes containers, inserts, and lid.

34 71 13 26 Vehicle Guide Rails ^(34 71 13)**34 71 13 26-0001 Mobilize Guide Rail Crew** ^(34 71 13 26)

34 71	13 26-0002	EA	Mobilize Guide Rail Crew.....	1,320.11	
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Note: Excludes equipment mobilization.

34 71 13 26-0003 Corrugated Beam Guide Rail ^(34 71 13 26)**34 71 13 26-0004 Corrugated Beam Guide Railing** ^(34 71 13 26-0003)**34 71 13 26-0005 Corrugated Beam Guide Railing, Straight Sections** ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.

34 71	13 26-0006	LF	Corrugated Beam Guide Railing.....	19.05	2.35
34 71	13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	20.54	2.35

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved ^(34 71 13 26-0004)

Note: Add additional length for back-up sections.

34 71	13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing.....	24.92	2.35
34 71	13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	26.99	2.35
34 71	13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	64.10	2.35

Note: Treatment for mall barriers driveways, walkways, special end, etc.

34 71	13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	69.95	2.35
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Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections ^(34 71 13 26-0003)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0014 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	143.11	31.12
34 71 13 26-0015 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	151.11	31.12
34 71 13 26-0016 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	191.10	31.12
34 71 13 26-0017 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	199.10	31.12
34 71 13 26-0018 EA Corrugated Beam Guide Railing 225 Degree End Section	191.10	31.12
34 71 13 26-0019 EA Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	199.10	31.12
34 71 13 26-0020 Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0003)		
Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021 EA Regent Flared End Terminal Head With Bracket, Type B & C.....	4,851.62	189.63
34 71 13 26-0022 EA Fleet Flared End Terminal Head With Bracket	4,051.83	189.63
34 71 13 26-0023 EA SKT 350 Tangent End Terminal Head With Bracket.....	4,851.62	189.63
34 71 13 26-0024 EA 12'-6" Corrugated Beam Pre-drilled #1 Panel.....	719.03	89.40
34 71 13 26-0025 EA Terminal Support System, Type SFT.....	995.19	239.02
34 71 13 26-0026 EA Terminal Support System, Type ET.....	4,910.97	676.47
34 71 13 26-0027 EA Terminal Support System, Type SRT	5,333.06	676.47
34 71 13 26-0028 Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
Note: Includes mounting hardware.		
34 71 13 26-0029 EA Standard Post For Corrugated Beam Guide Rail.....	149.76	16.34
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	4.36	
34 71 13 26-0030 EA Standard Post For (Rustic) Corrugated Beam Guide Rail	157.75	16.34
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	4.36	
34 71 13 26-0031 EA Extra Long Post For Corrugated Beam Guide Rail.....	165.75	16.34
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	4.36	
34 71 13 26-0032 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	173.75	16.34
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	4.36	
34 71 13 26-0033 EA 6BB-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	149.76	16.34
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	4.36	
34 71 13 26-0034 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	213.74	16.34
<i>For Installation In Rock, Add</i>		
	4.36	
34 71 13 26-0035 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)		
Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0036 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	149.76	16.34
34 71 13 26-0037 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	157.75	16.34
34 71 13 26-0038 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	165.75	16.34
34 71 13 26-0039 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	173.75	16.34
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0040 EA Type A Post 1630mm Post.....	145.76	16.34
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041 EA Type A Post 1630mm Post (Rustic).....	153.76	16.34
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042 EA Type B Post 1460mm	137.76	16.34
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043 EA Type B Post 1460mm (Rustic).....	145.76	16.34
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044 EA Type C Post 1290mm	129.76	16.34
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0045 EA Type C Post 1290mm (Rustic).....	137.76	16.34
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0046 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	550.93	16.34
34 71 13 26-0047 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam	61.78	16.34
Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0048 Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0049 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	127.12	35.36
34 71 13 26-0050 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)		
Note: Includes associated hardware.		
34 71 13 26-0051 LF Removal And Storage Of Corrugated Beam Guide Railing And Post.....	13.82	
34 71 13 26-0052 EA Install Stored Post For Corrugated Beam Guide Rail	47.14	
34 71 13 26-0053 LF Install Stored Corrugated Beam Guide Railing And Post.....	8.02	
34 71 13 26-0054 Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0055 Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0054)		
Note: Add additional length for back-up sections.		
34 71 13 26-0056 LF Corrugated Thrie Beam Guide Railing.....	44.79	2.97
34 71 13 26-0057 LF Corrugated Thrie Beam Guide Railing (Rustic).....	47.23	2.97

34	Transportation
34 70	Transportation Construction and Equipment
34 71	Roadway Construction



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0058			Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0054) Note: Add additional length for back-up sections.		
34 71 13 26-0059	LF		Shop Curved Corrugated Thrie Beam Guide Railing	54.54	2.97
34 71 13 26-0060	LF		Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	56.98	2.97
34 71 13 26-0061			Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0054) Note: Includes hardware for mounting.		
34 71 13 26-0062	EA		Standard Post For Corrugated Thrie Beam Guide Rail.....	179.91	2.97
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0063	EA		Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	187.91	2.97
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0064			Timber Guide Rails (34 71 13 26) Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0065			Timber Guide Rail Posts (34 71 13 26-0064)		
34 71 13 26-0066	EA		6" x 8" Timber Guide Rail Post	114.68	11.78
34 71 13 26-0067	EA		6" x 9" Timber Guide Rail Post	131.16	11.78
34 71 13 26-0068	EA		10" x 10" Timber Guide Rail Post	260.34	11.78
34 71 13 26-0069	EA		10" x 12" Timber Guide Rail Post	275.75	11.78
34 71 13 26-0070	EA		12" x 12" Timber Guide Rail Post	319.66	11.78
34 71 13 26-0071			Timber Guide Rails (34 71 13 26-0064) Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072	LF		4" x 9" Timber Guide Rail.....	14.25	1.41
34 71 13 26-0073	LF		6" x 10" Timber Guide Rail.....	20.18	1.41
34 71 13 26-0074	LF		6" x 12" Timber Guide Rail.....	23.66	1.41
34 71 13 26-0075			Spacer Blocks For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0076	EA		4" x 9" Spacer Block For Timber Guide Rails	18.54	1.89
34 71 13 26-0077	EA		6" x 8" Spacer Block For Timber Guide Rails	21.39	1.89
34 71 13 26-0078	EA		8" x 8" Spacer Block For Timber Guide Rails	25.02	1.89
34 71 13 26-0079			Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0080	LF		6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	26.12	1.18
34 71 13 26-0081			Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0064)		
34 71 13 26-0082	EA		Weathering Steel Splice Plate For Timber Guide Rails.....	179.85	16.50
34 71 13 26-0083	EA		Weathering Steel Bearing Termination Plate For Timber Guide Rails	112.49	11.78
34 71 13 26-0084			Cable Guide Rail (34 71 13 26)		
34 71 13 26-0085			Cable Guide Rail (34 71 13 26-0084)		
34 71 13 26-0086	LF		Cable (Each Cable)	10.22	2.54
			Note: Includes tensioning. Excludes splices.		
34 71 13 26-0087	EA		Cable Splice With Wedges	263.52	17.68
34 71 13 26-0088			Cable Guide Rail Posts (34 71 13 26-0084) Note: Includes hardware for cable mounting.		
34 71 13 26-0089	EA		Standard Post for Cable Guide Rail.....	192.59	54.47
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	14.52	
34 71 13 26-0090	EA		Standard Post (Rustic) for Cable Guide Rail.....	200.59	54.47
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	14.52	
34 71 13 26-0091	EA		Extra Long Post for Cable Guide Rail	200.59	54.47
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	14.52	
34 71 13 26-0092	EA		Extra Long Post (Rustic) for Cable Guide Rail.....	208.58	54.47
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	14.52	
34 71 13 26-0093	EA		Slip Impact Post Top for Anchor Unit.....	125.02	21.79
34 71 13 26-0094	EA		Slip Impact Post Base and Keeper Plate	324.97	21.79
			Note: For anchor unit.		
34 71 13 26-0095			Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0084)		
34 71 13 26-0096	EA		Turnbuckle Cable End Assembly For Use With Breakaway Anchors	586.88	236.21
34 71 13 26-0097	EA		Turnbuckle Cable End Assembly.....	175.71	11.81
34 71 13 26-0098	EA		Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	567.68	5.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0099 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle.....	583.68	5.87
34 71 13 26-0100 EA Breakaway Anchor Angle	223.70	11.81
34 71 13 26-0101 EA Standard End Post Cap Assembly.....	103.80	5.87
34 71 13 26-0102 EA Driveway End Post Cap Assembly	87.81	5.87
34 71 13 26-0103 EA End Post Ground Support Plates.....	47.82	5.87
34 71 13 26-0104 EA 11" Stud Bolt, Cable Guide Rail.....	41.82	5.87
34 71 13 26-0105 EA 18" Stud Bolt, Cable Guide Rail.....	49.82	5.87
34 71 13 26-0106 EA 25" Stud Bolt, Cable Guide Rail.....	57.82	5.87
34 71 13 26-0107 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail.....	495.62	11.81
34 71 13 26-0108 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail.....	527.62	11.81
34 71 13 26-0109 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackles Ends, Cable Guide Rail.....	351.66	11.81
34 71 13 26-0110 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	215.78	5.87
34 71 13 26-0111 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	223.70	11.81
34 71 13 26-0112 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	239.52	17.68
34 71 13 26-0113 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0084)		
34 71 13 26-0114 EA Turnbuckle Cable End Assembly.....	400.16	18.19
Note: For use with slip impact post.		
34 71 13 26-0115 EA Spring Cable End Assembly (Compensating Device).....	784.06	18.19
Note: For use with slip impact post.		
34 71 13 26-0116 EA Anchor Angle For Slip Impact Post System.....	232.21	18.19
34 71 13 26-0117 EA Cable End Assembly Rod.....	192.22	18.19
Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0118 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0084)		
Note: Includes associated hardware.		
34 71 13 26-0119 LF Retention Existing Cable (Each Cable).....	1.57	
34 71 13 26-0120 LF Removal And Storage Of Cable Guide Railing	9.49	
34 71 13 26-0121 EA Install Stored Post For Cable Guide Railing	72.62	
34 71 13 26-0122 LF Install Stored Cable, (Each Cable).....	4.20	
Note: Includes retensioning. Excludes splices.		
34 71 13 26-0123 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0124 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0123)		
34 71 13 26-0125 Straight Sections, Box Beam Guide Rail (34 71 13 26-0124)		
34 71 13 26-0126 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	53.93	2.97
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0127 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	61.25	2.97
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0128 Shop Curved, Box Beam Guide Rail (34 71 13 26-0124)		
34 71 13 26-0129 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	81.97	2.97
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0130 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	89.28	2.97
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0131 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0123)		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0132 EA Box Beam End Piece Guide Railing Section	846.93	35.36
Note: Galvanized excludes splices.		
34 71 13 26-0133 EA Box Beam End Piece Guide Railing Section (Rustic)	934.91	35.36
Note: Excludes splices.		
34 71 13 26-0134 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	798.94	35.36
Note: Excludes splices.		
34 71 13 26-0135 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	830.93	35.36
Note: Excludes splices.		
34 71 13 26-0136 Splices For Box Beam Guide Rail (34 71 13 26-0123)		
34 71 13 26-0137 EA Splice For Box Beam Guide Rail	224.96	52.49
34 71 13 26-0138 EA Splice For Box Beam Guide Rail (Rustic).....	280.94	52.49
34 71 13 26-0139 Box Beam Guide Rail Posts (34 71 13 26-0123)		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0140 EA Standard Post For Box Beam Guide Rail	200.59	54.47
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.52	

34 Transportation
34 70 Transportation Construction and Equipment
34 71 Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0141 EA Standard Post (Rustic) for Box Beam Guide Railing..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	208.58 -5.00 14.52	54.47
34 71 13 26-0142 EA Extra Long Post For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	216.58 -5.00 14.52	54.47
34 71 13 26-0143 EA Extra Long Post (Rustic) For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	224.58 -5.00 14.52	54.47
34 71 13 26-0144 EA Type I End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	192.59 -5.00 14.52	54.47
34 71 13 26-0145 EA Type I End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	200.59 -5.00 14.52	54.47
34 71 13 26-0146 EA Type II End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	184.59 -5.00 14.52	54.47
34 71 13 26-0147 EA Type II End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	192.59 -5.00 14.52	54.47
34 71 13 26-0148 Box Beam Guide Rail Accessories (34 71 13 26-0123)		
34 71 13 26-0149 EA Box Beam Guide Rail End Cover Plate.....	110.12	10.61
34 71 13 26-0150 EA Box Beam Guide Rail End Cover Plate (Rustic).....	118.12	10.61
34 71 13 26-0151 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0123)		
Note: For existing guide rail.		
34 71 13 26-0152 LF Removal And Storage Of Box Beam Guide Rail And Post.....	4.65	
34 71 13 26-0153 LF Reset Box Beam Guide Rail.....	13.60	
34 71 13 26-0154 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0155 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0154)		
34 71 13 26-0156 Straight Sections, Box Beam Median Barrier (34 71 13 26-0155)		
34 71 13 26-0157 LF Box Beam Median Barrier Galvanized Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	90.94 1.83	10.61
34 71 13 26-0158 LF Box Beam Median Barrier (Rustic) Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	98.25 1.83	10.61
34 71 13 26-0159 Shop Curved, Box Beam Median Barrier (34 71 13 26-0155)		
34 71 13 26-0160 LF Shop Curved Box Beam Median Barrier Galvanized..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	110.16 2.44 1.83	10.61
34 71 13 26-0161 LF Shop Curved Box Beam Median Barrier Rustic..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	134.16 2.44 1.83	10.61
34 71 13 26-0162 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0154)		
Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0163 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized..... Note: Excludes splices and post.	2,758.43	35.36
34 71 13 26-0164 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,822.41	35.36
34 71 13 26-0165 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized..... Note: Excludes splices and post.	2,758.43	35.36
34 71 13 26-0166 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,822.41	35.36
34 71 13 26-0167 Splices For Box Beam Median Barrier (34 71 13 26-0154)		
34 71 13 26-0168 EA Splice for Box Beam Median Barrier.....	213.66	28.29
34 71 13 26-0169 EA Splice for Box Beam Median Barrier (Rustic).....	333.63	28.29
34 71 13 26-0170 Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0154)		
Note: Includes all associated hardware.		
34 71 13 26-0171 EA Standard Post for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	200.59 -5.00 14.52	54.47
34 71 13 26-0172 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	208.58 -5.00 14.52	54.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0173 EA Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	216.58 -5.00 14.52	54.47
34 71 13 26-0174 EA Extra Long Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	224.58 -5.00 14.52	54.47
34 71 13 26-0175 EA Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	184.59 -5.00 14.52	54.47
34 71 13 26-0176 EA Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	184.59 -5.00 14.52	54.47
34 71 13 26-0177 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	216.58 -5.00 14.52	54.47
34 71 13 26-0178 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	224.58 -5.00 14.52	54.47
34 71 13 26-0179 Box Beam Median Barrier Accessories (34 71 13 26-0154)		
34 71 13 26-0180 EA Box Beam Median Barrier End Cover Plate	137.68	24.90
34 71 13 26-0181 EA Box Beam Median Barrier End Cover Plate (Rustic)	145.68	24.90
34 71 13 26-0182 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0154)		
Note: For existing guide rail.		
34 71 13 26-0183 LF Removal And Storage Of Box Beam Median Barrier and Posts	4.81	
34 71 13 26-0184 LF Reset Box Beam Median Barrier	14.23	
34 71 13 26-0185 Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0186 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0185)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0187 CY Guide Rail Concrete Anchor Unit	817.80	
<i>For Each Additional Set Of Anchor Rods, Add</i>	38.00	
34 71 13 26-0188 EA Reset Existing Anchorage Unit for All Types of Guide Rail	540.72	
Note: Includes excavation and backfill.		
34 71 13 26-0189 EA Removal Of Guide Rail Concrete Anchor Unit	599.56	
34 71 13 26-0190 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0185)		
Note: Includes associated hardware.		
34 71 13 26-0191 EA Straighten And Reset Driven Post For Guide Rail	72.62	
34 71 13 26-0192 EA Straighten And Reset Post Mounted On Concrete For Guide Rail	84.14	
Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0193 Additional Wood and Steel Posts (34 71 13 26-0185)		
34 71 13 26-0194 LF 4" x 6" Wood Post	62.25	18.19
<i>For Installation In Rock, Add</i>	4.85	
34 71 13 26-0195 LF 6" x 8" Wood Post	74.24	18.19
<i>For Installation In Rock, Add</i>	4.85	
34 71 13 26-0196 LF 6" x 7/8" Galvanized Steel Post	46.92	18.19
<i>For Installation In Rock, Add</i>	4.85	
34 71 13 26-0197 EA Base Plate With Anchor Bolts For Mounting Post On Concrete	431.03	18.19
34 71 13 26-0198 Accessories For All Types of Guide Rail (34 71 13 26-0185)		
34 71 13 26-0199 EA Reflector For Guard Rail	51.95	
34 71 13 26-0200 Individual Concrete Guard Rail Posts (34 71 13 26)		
34 71 13 26-0201 EA 6'-5" Concrete Guard Rail Posts, Round	89.35	7.21
34 71 13 26-0202 EA 6'-5" Concrete Posts, Square	99.95	8.12
34 71 13 26-0203 EA 6'-5" Concrete Posts, Triangular	97.33	8.12
34 71 13 26-0204 Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0205 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0204)		
34 71 13 26-0206 EA Box Beam To Corrugated Beam Rail Bolted Section	794.82	
34 71 13 26-0207 EA Box Beam To Corrugated Beam Rail Bolted Plate	474.91	
Note: For making cable connections.		

34	Transportation
34 70	Transportation Construction and Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0208 Transition Box Beam Median Barrier To Corrugated Beam Median <small>(34 71 13 26-0204)</small>		
34 71 13 26-0209 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	810.82	
34 71 13 26-0210 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	474.91	
Note: For making cable connections.		
34 71 13 26-0211 Transition Box Beam Guide Rail To Cable Guide Rail <small>(34 71 13 26-0204)</small>		
34 71 13 26-0212 EA Box Beam to Cable Guide Rail U-bolt And Plate	111.47	18.86
34 71 13 26-0213 Transition Box Beam Median Barrier To Concrete Median Barrier <small>(34 71 13 26-0204)</small>		
34 71 13 26-0214 EA Box Beam Median Barrier To Concrete Barrier End Connection	1,114.74	
34 71 13 26-0215 Transition Thrie Beam To Concrete Median Barrier <small>(34 71 13 26-0204)</small>		
34 71 13 26-0216 EA Thrie Beam Terminal Connector At Concrete Median Barrier	714.85	
34 71 13 26-0217 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail	914.79	
34 71 16 Impact Attenuating Devices <small>(34 71)</small>		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals <small>(34 71 16)</small>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	36,445.07	3,598.81
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	50,646.88	4,798.41
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	69,160.84	6,297.92
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	76,747.45	7,797.42
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	39,216.91	4,048.66
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	54,667.61	5,398.21
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	75,061.82	7,197.62
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	85,892.15	8,697.13
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	42,021.51	4,498.51
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	58,720.33	5,998.02
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	80,331.94	7,947.38
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	95,003.12	9,596.84
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	45,491.41	4,948.36
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	63,032.40	6,597.82
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	86,637.94	8,697.13
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	101,972.66	10,496.54
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	49,057.91	5,398.21
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	67,457.92	7,197.62
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	93,770.93	9,596.84
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	109,141.28	11,396.24
34 71 19 Vehicle Delineators <small>(34 71)</small>		
34 71 19 16 Flexible Vehicle Delineators <small>(34 71 19)</small>		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator	95.11	9.02
34 71 19 16-0002 EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator	96.46	9.02
34 71 19 16-0003 EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	97.82	9.02
34 71 19 16-0004 EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator	99.17	9.02

END OF SECTION 34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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35 Waterway and Marine Construction

35 01 Operation and Maintenance of Waterway and Marine Construction ⁽³⁵⁾

35 01 70 Operation and Maintenance of Dams ^(35 01)

35 01 70 00-0001	Drilling And Pressure Grouting ^(35 01 70)		
35 01 70 00-0002	From Top Of The Dam ^(35 01 70 00-0001)		
35 01 70 00-0003	LF Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole.....	88.33	
35 01 70 00-0004	LF Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole.....	106.76	
35 01 70 00-0005	LF Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam.....	135.33	
35 01 70 00-0006	EA Pressure Grout, Hydraulic Pressure Test Top Of Dam.....	626.78	
35 01 70 00-0007	EA Pressure Grout, Grout Hook-Up Top Of Dam.....	353.38	
35 01 70 00-0008	CWT Pressure Grout, Portland Cement Top Of Dam.....	50.98	
35 01 70 00-0009	CWT Pressure Grout, Fluidifier In Grout Top Of Dam.....	149.47	
35 01 70 00-0010	CF Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam.....	195.92	
35 01 70 00-0011	Large Diameter Holes - Rotary Drilled ^(35 01 70 00-0001)		
35 01 70 00-0012	From Top Of The Dam ^(35 01 70 00-0011)		
35 01 70 00-0013	LF Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical.....	145.69	
35 01 70 00-0014	LF Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined.....	159.72	
35 01 70 00-0015	LF Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical.....	222.77	
35 01 70 00-0016	LF Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined.....	249.27	

35 05 Common Work Results for Waterway and Marine Construction ⁽³⁵⁾

35 05 70 Common Work Results for Dams ^(35 05)

35 05 70 00-0001	Rubber Dam Repair ^(35 05 70)		
35 05 70 00-0002	EA Class A Rubber Dam Repair (Bullet And Similar Holes).....	39.05	
35 05 70 00-0003	SF Class B Rubber Dam Repair (Minor Surface Rubber Damage).....	78.12	
35 05 70 00-0004	SF Class C Rubber Dam Repair (Major Surface Rubber Damage).....	114.16	
35 05 70 00-0005	SF Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material.....	127.69	

35 20 Waterway and Marine Construction and Equipment ⁽³⁵⁾

35 22 Hydraulic Gates ^(35 20)

35 22 26 Sluice Gates ^(35 22)

35 22 26 00-0001 Heavy Duty Cast Iron Sluice Gates Self Contained ^(35 22 26)

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA 18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	10,464.57	1,248.67
	<i>For Electric Motor Operated Valve, Add</i>	<i>1,099.74</i>	
35 22 26 00-0003	EA 24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	14,992.53	1,873.07
	<i>For Electric Motor Operated Valve, Add</i>	<i>1,224.61</i>	
35 22 26 00-0004	EA 30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	18,151.72	2,140.65
	<i>For Electric Motor Operated Valve, Add</i>	<i>1,278.13</i>	
35 22 26 00-0005	EA 36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	20,695.57	2,341.33
	<i>For Electric Motor Operated Valve, Add</i>	<i>1,318.27</i>	
35 22 26 00-0006	EA 42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	23,228.54	2,675.81
	<i>For Electric Motor Operated Valve, Add</i>	<i>1,385.16</i>	
35 22 26 00-0007	EA 48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	32,562.29	4,281.30
	<i>For Electric Motor Operated Valve, Add</i>	<i>1,706.26</i>	
35 22 26 00-0008	EA 54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	43,371.14	5,351.62
	<i>For Electric Motor Operated Valve, Add</i>	<i>1,920.33</i>	
35 22 26 00-0009	EA 60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	50,630.15	7,090.90
	<i>For Electric Motor Operated Valve, Add</i>	<i>2,268.18</i>	
35 22 26 00-0010	EA 66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	63,054.44	9,365.34
	<i>For Electric Motor Operated Valve, Add</i>	<i>2,723.07</i>	
35 22 26 00-0011	EA 72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	66,244.58	10,703.25
	<i>For Electric Motor Operated Valve, Add</i>	<i>2,990.65</i>	
35 22 26 00-0012	EA 78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	74,247.75	10,703.25
	<i>For Electric Motor Operated Valve, Add</i>	<i>3,390.65</i>	
35 22 26 00-0013	EA 84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	86,099.54	12,041.15
	<i>For Electric Motor Operated Valve, Add</i>	<i>3,658.23</i>	
35 22 26 00-0014	EA 90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	103,560.50	13,867.55
	<i>For Electric Motor Operated Valve, Add</i>	<i>4,023.51</i>	
35 22 26 00-0015	EA 96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	116,700.90	14,527.91
	<i>For Electric Motor Operated Valve, Add</i>	<i>4,155.58</i>	

35 Waterway and Marine Construction
35 20 Waterway and Marine Construction and Equipment
35 22 Hydraulic Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0016	EA		108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	144,594.45 4,683.87	17,169.35
35 22 26 00-0017	EA		120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	178,634.74 5,476.30	21,131.50
35 22 26 00-0018	EA		132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	217,895.90 6,004.59	23,772.94
35 22 59 Hydraulic Closure Gates (35 22)					
35 22 59 00-0001 Steel Slide Gates Self Contained (35 22 59)					
Note: Includes anchors and bolts.					
35 22 59 00-0002	EA		12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	3,599.58 943.65	468.27
35 22 59 00-0003	EA		18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	4,796.66 957.03	535.16
35 22 59 00-0004	EA		24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	5,473.18 974.87	624.41
35 22 59 00-0005	EA		30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	6,613.80 999.85	749.23
35 22 59 00-0006	EA		36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	8,463.62 1,037.31	936.54
35 22 59 00-0007	EA		42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	9,921.36 1,099.74	1,248.67
35 22 59 00-0008	EA		48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	13,603.22 1,224.61	1,873.07
35 22 59 00-0009	EA		54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	20,646.54 1,318.27	2,341.33
35 22 59 00-0010	EA		60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	26,938.21 1,599.23	3,746.14
35 22 59 00-0011	EA		72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	34,342.25 2,098.71	6,243.60
35 22 59 00-0012	SF		Over 36 SF Steel Slide Gates Self Contained Including Anchor <i>For Electric Motor Operated Valve, Add</i>	952.46 1,584.52	172.59
35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only (35 22 59)					
35 22 59 00-0014	EA		24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	19,046.60	611.42
35 22 59 00-0015	EA		30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	23,549.76	763.94
35 22 59 00-0016	EA		36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	30,034.72	931.18
35 22 59 00-0017	EA		48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	45,832.44	1,783.43
35 22 59 00-0018	EA		60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	67,486.78	3,891.97
35 22 59 00-0019	EA		72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	88,638.19	5,945.66
35 22 59 00-0020	EA		84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	133,956.10	7,433.40
35 22 59 00-0021	Day		Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	3,572.19	
35 22 59 00-0022 Aluminum Flap Gates (35 22 59)					
35 22 59 00-0023	EA		18" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	3,490.13 943.65	468.27
35 22 59 00-0024	EA		20" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	3,883.55 950.34	501.72
35 22 59 00-0025	EA		24" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	4,273.52 957.03	535.16
35 22 59 00-0026	EA		30" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	5,788.98 974.87	624.41
35 22 59 00-0027	EA		36" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	7,175.45 999.85	749.23
35 22 59 00-0028	EA		42" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	10,150.69 1,037.31	936.54
35 22 59 00-0029	EA		48" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	12,846.53 1,099.74	1,248.67
35 22 59 00-0030	EA		54" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	16,632.46 1,224.61	1,873.07
35 22 59 00-0031	EA		60" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	21,996.11 1,385.16	2,675.81
35 22 59 00-0032	EA		66" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	28,458.31 1,599.23	3,746.14
35 22 59 00-0033	EA		72" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	35,522.21 1,920.33	5,351.62
35 22 59 00-0034 Stainless Steel Flap Gates (35 22 59)					
35 22 59 00-0035	EA		12" x 12" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	7,689.55 930.27	401.38
35 22 59 00-0036	EA		18" x 18" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	9,853.85 943.65	468.27
35 22 59 00-0037	EA		24" x 24" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	12,704.38 957.03	535.16
35 22 59 00-0038	EA		30" x 30" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	16,543.31 974.87	624.80
35 22 59 00-0039	EA		36" x 36" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	24,563.53 999.85	749.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0040 EA 48" x 48" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	35,972.61 1,099.74	1,248.27
35 22 59 00-0041 EA 60" x 60" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	55,070.86 1,385.16	2,675.81
35 22 59 00-0042 EA 72" x 72" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	79,759.32 1,920.33	5,351.62
35 22 59 00-0043 EA 84" x 84" Stainless Steel Flap Gate <i>For Electric Motor Operated Valve, Add</i>	114,505.28 2,990.65	10,703.25
35 22 59 00-0044 Cast Iron Flap Gates (35 22 59)		
35 22 59 00-0045 EA 12" x 12" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	13,651.80 950.34	501.72
35 22 59 00-0046 EA 18" x 18" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	19,191.43 967.07	586.00
35 22 59 00-0047 EA 24" x 24" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	24,510.13 983.79	668.96
35 22 59 00-0048 EA 30" x 30" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	34,387.43 1,006.09	780.00
35 22 59 00-0049 EA 36" x 36" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	38,826.44 1,037.31	936.54
35 22 59 00-0050 EA 48" x 48" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	48,220.69 1,162.18	1,561.34
35 22 59 00-0051 EA 60" x 60" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	82,533.77 1,438.68	2,943.39
35 22 59 00-0052 EA 72" x 72" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	131,362.37 2,000.60	5,752.99
35 22 59 00-0053 EA 84" x 84" Cast Iron Flap Gate <i>For Electric Motor Operated Valve, Add</i>	152,203.71 3,097.68	11,238.41
35 22 59 00-0054 Steel Knife Gates Including Handwheel Operator (35 22 59)		
Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 59 00-0055 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	1,850.66 885.63	178.17
35 22 59 00-0056 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	2,480.24 891.57	207.83
35 22 59 00-0057 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	3,490.33 912.36	311.80
35 22 59 00-0058 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	4,366.70 933.15	415.77
35 22 59 00-0059 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	5,334.48 939.09	445.42
35 22 59 00-0060 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	6,881.59 945.94	479.66
35 22 59 00-0061 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	9,114.24 949.78	498.88
35 22 59 00-0062 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	11,381.67 963.38	566.96
35 22 59 00-0063 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	14,566.26 974.72	623.60
35 22 59 00-0064 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	26,437.11 1,016.29	831.42
35 22 59 00-0065 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	35,208.10 1,099.44	1,247.19
35 22 59 00-0066 Steel Hollow Jet Flow Gate Valve (35 22 59)		
35 22 59 00-0067 EA 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	1,714.63 887.46	187.31
35 22 59 00-0068 EA 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	2,642.83 893.75	218.75
35 22 59 00-0069 EA 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	3,184.50 915.56	327.78
35 22 59 00-0070 EA 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	4,063.11 937.38	436.82
35 22 59 00-0071 EA 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	6,083.93 943.65	468.27
35 22 59 00-0072 EA 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	7,328.04 950.88	504.39
35 22 59 00-0073 EA 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	12,263.49 954.90	524.46
35 22 59 00-0074 EA 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	15,412.98 969.21	596.04
35 22 59 00-0075 EA 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	22,133.28 981.13	655.58
35 22 59 00-0076 EA 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	27,124.58 1,024.86	874.32
35 22 59 00-0077 EA 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	38,717.91 1,112.19	1,311.15
35 22 59 00-0078 EA 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	46,151.16 1,571.17	1,605.48
35 22 59 00-0079 EA 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub <i>For Electric Motor Operated Valve, Add</i>	54,721.38 1,624.61	1,873.07

35 Waterway and Marine Construction
35 20 Waterway and Marine Construction and Equipment
35 22 Hydraulic Gates



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0080	EA		54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	72,044.53 1,718.27	2,341.33
35 22 59 00-0081	EA		60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	80,271.28 1,812.15	2,809.60
35 22 59 00-0082	EA		66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	102,486.06 2,026.56	3,879.93
35 22 59 00-0083 Steel Dish Head Valve (35 22 59)					
35 22 59 00-0084	EA		12" Diameter Dish Head Valve	2,213.67	468.27
35 22 59 00-0085	EA		18" Diameter Dish Head Valve	3,172.16	535.16
35 22 59 00-0086	EA		20" Diameter Dish Head Valve	3,648.37	585.33
35 22 59 00-0087	EA		24" Diameter Dish Head Valve	4,288.38	624.41
35 22 59 00-0088	EA		30" Diameter Dish Head Valve	6,404.33	749.23
35 22 59 00-0089	EA		36" Diameter Dish Head Valve	7,895.84	936.54
35 22 59 00-0090	EA		42" Diameter Dish Head Valve	13,185.72	1,248.67
35 22 59 00-0091	EA		48" Diameter Dish Head Valve	17,299.74	1,873.07
35 22 59 00-0092	EA		54" Diameter Dish Head Valve	24,527.66	2,341.33
35 22 59 00-0093	EA		60" Diameter Dish Head Valve	31,677.62	3,746.14
35 22 59 00-0094	EA		66" Diameter Dish Head Valve	43,767.72	4,682.67
35 22 59 00-0095	EA		72" Diameter Dish Head Valve	53,411.82	6,243.60
35 22 63 Through-Levee Access Gates (35 22 63)					
35 22 63 00-0001 Cast Iron Canal Gates (35 22 63)					
35 22 63 00-0002	EA		12" Diameter Cast Iron Canal Gates With Fabricated Frame	2,675.69	468.27
			<i>For Electric Motor Operated Valve, Add</i>	943.65	
35 22 63 00-0003	EA		18" Diameter Cast Iron Canal Gates With Fabricated Frame	3,932.53	535.16
			<i>For Electric Motor Operated Valve, Add</i>	957.03	
35 22 63 00-0004	EA		20" Diameter Cast Iron Canal Gates With Fabricated Frame	4,502.63	585.33
			<i>For Electric Motor Operated Valve, Add</i>	967.07	
35 22 63 00-0005	EA		24" Diameter Cast Iron Canal Gates With Fabricated Frame	5,388.02	624.41
			<i>For Electric Motor Operated Valve, Add</i>	974.87	
35 22 63 00-0006	EA		30" Diameter Cast Iron Canal Gates With Fabricated Frame	8,179.10	749.23
			<i>For Electric Motor Operated Valve, Add</i>	999.85	
35 22 63 00-0007	EA		36" Diameter Cast Iron Canal Gates With Fabricated Frame	10,074.66	936.54
			<i>For Electric Motor Operated Valve, Add</i>	1,037.31	
35 22 63 00-0008	EA		42" Diameter Cast Iron Canal Gates With Fabricated Frame	17,052.36	1,248.67
			<i>For Electric Motor Operated Valve, Add</i>	1,099.74	
35 22 63 00-0009	EA		48" Diameter Cast Iron Canal Gates With Fabricated Frame	22,202.93	1,873.07
			<i>For Electric Motor Operated Valve, Add</i>	1,224.61	
35 22 63 00-0010	EA		54" Diameter Cast Iron Canal Gates With Fabricated Frame	31,706.85	2,341.33
			<i>For Electric Motor Operated Valve, Add</i>	1,318.27	
35 22 63 00-0011	EA		60" Diameter Cast Iron Canal Gates With Fabricated Frame	40,426.98	3,746.14
			<i>For Electric Motor Operated Valve, Add</i>	1,599.23	
35 22 63 00-0012	EA		66" Diameter Cast Iron Canal Gates With Fabricated Frame	56,213.24	4,682.67
			<i>For Electric Motor Operated Valve, Add</i>	1,786.53	
35 22 63 00-0013	EA		72" Diameter Cast Iron Canal Gates With Fabricated Frame	66,432.99	5,351.62
			<i>For Electric Motor Operated Valve, Add</i>	1,920.33	
35 24 Dredging (35 20)					
35 24 23 Clamshell Dredging (35 24)					
35 24 23 00-0001 Dredging, Barge Mounted (35 24 23)					
			See CSI section 01 74 19 00-0039 for hauling material from shore or barge, 31 23 16 33-0019 for loading.		
35 24 23 00-0002	EA		Dredge Excavation Mobilization And Demobilization	23,964.21	
			<i>For Inlet Rivers And Canals, Deduct</i>	-5,991.05	
35 24 23 00-0003	CY		Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles	26.63	
			Note: Includes tugboat to move scows or barge.		
35 24 23 00-0004	CY		Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore.....	23.96	
			Note: Includes tugboat to move barge.		
35 24 23 00-0005	CY		Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles.....	26.53	
			Note: Includes tugboat to move scows or barge.		
35 24 23 00-0006	CY		Hydraulic Dredge Excavation, Pumped 1,000' To Shore	22.25	
			Note: Includes tugboat to move barge.		
35 24 26 Backhoe/Dipper Dredging (35 24)					
35 24 26 00-0001 Dredging, Shoreline Excavators (35 24 26)					
35 24 26 00-0002	CY		Back Hoe, 1 CY Bucket, Dredging From Shore	15.71	
35 24 26 00-0003	CY		Hydraulic Excavator, 2 CY Bucket, Dredging From Shore.....	10.52	

END OF SECTION 35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)
 Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.95	240.23
	For Class 52 Rating, Deduct	-60.06	
	For Class 54 Rating, Add	86.26	
	For Class 55 Rating, Add	130.49	
	For Class 56 Rating, Add	174.16	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	974.73	244.42
	For Class 52 Rating, Deduct	-66.48	
	For Class 54 Rating, Add	95.10	
	For Class 55 Rating, Add	143.67	
	For Class 56 Rating, Add	191.63	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,039.52	248.63
	For Class 52 Rating, Deduct	-72.91	
	For Class 54 Rating, Add	103.94	
	For Class 55 Rating, Add	156.85	
	For Class 56 Rating, Add	209.09	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,104.29	252.82
	For Class 52 Rating, Deduct	-79.33	
	For Class 54 Rating, Add	112.78	
	For Class 55 Rating, Add	170.03	
	For Class 56 Rating, Add	226.55	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,169.07	257.02
	For Class 52 Rating, Deduct	-85.76	
	For Class 54 Rating, Add	121.62	
	For Class 55 Rating, Add	183.21	
	For Class 56 Rating, Add	244.01	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,233.86	261.22
	For Class 52 Rating, Deduct	-92.19	
	For Class 54 Rating, Add	130.46	
	For Class 55 Rating, Add	196.39	
	For Class 56 Rating, Add	261.48	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,298.63	265.42
	For Class 52 Rating, Deduct	-98.61	
	For Class 54 Rating, Add	139.30	
	For Class 55 Rating, Add	209.56	
	For Class 56 Rating, Add	278.94	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,363.41	269.63
	For Class 52 Rating, Deduct	-105.04	
	For Class 54 Rating, Add	148.14	
	For Class 55 Rating, Add	222.74	
	For Class 56 Rating, Add	296.40	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.20	273.82
	For Class 52 Rating, Deduct	-111.46	
	For Class 54 Rating, Add	156.98	
	For Class 55 Rating, Add	235.93	
	For Class 56 Rating, Add	313.86	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,492.97	278.03
	For Class 52 Rating, Deduct	-117.89	
	For Class 54 Rating, Add	165.81	
	For Class 55 Rating, Add	249.10	
	For Class 56 Rating, Add	331.32	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,557.75	282.22
	For Class 52 Rating, Deduct	-124.32	
	For Class 54 Rating, Add	174.65	
	For Class 55 Rating, Add	262.28	
	For Class 56 Rating, Add	348.79	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,622.54	286.42
	For Class 52 Rating, Deduct	-130.74	
	For Class 54 Rating, Add	183.49	
	For Class 55 Rating, Add	275.46	
	For Class 56 Rating, Add	366.25	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,687.31	290.62
	For Class 52 Rating, Deduct	-137.17	
	For Class 54 Rating, Add	192.33	
	For Class 55 Rating, Add	288.64	
	For Class 56 Rating, Add	383.71	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA		4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.09	294.82
			<i>For Class 52 Rating, Deduct</i>	-143.59	
			<i>For Class 54 Rating, Add</i>	201.17	
			<i>For Class 55 Rating, Add</i>	301.82	
			<i>For Class 56 Rating, Add</i>	401.17	
40 05 19 00-0018	EA		4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,816.88	299.02
			<i>For Class 52 Rating, Deduct</i>	-150.02	
			<i>For Class 54 Rating, Add</i>	210.01	
			<i>For Class 55 Rating, Add</i>	315.00	
			<i>For Class 56 Rating, Add</i>	418.63	
40 05 19 00-0019	EA		4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,881.64	303.22
			<i>For Class 52 Rating, Deduct</i>	-156.44	
			<i>For Class 54 Rating, Add</i>	218.85	
			<i>For Class 55 Rating, Add</i>	328.18	
			<i>For Class 56 Rating, Add</i>	436.09	
40 05 19 00-0020	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,946.42	307.42
			<i>For Class 52 Rating, Deduct</i>	-162.87	
			<i>For Class 54 Rating, Add</i>	227.69	
			<i>For Class 55 Rating, Add</i>	341.36	
			<i>For Class 56 Rating, Add</i>	453.56	
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,011.21	311.62
			<i>For Class 52 Rating, Deduct</i>	-169.30	
			<i>For Class 54 Rating, Add</i>	236.52	
			<i>For Class 55 Rating, Add</i>	354.54	
			<i>For Class 56 Rating, Add</i>	471.02	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,075.98	315.82
			<i>For Class 52 Rating, Deduct</i>	-175.72	
			<i>For Class 54 Rating, Add</i>	245.36	
			<i>For Class 55 Rating, Add</i>	367.72	
			<i>For Class 56 Rating, Add</i>	488.48	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.76	320.02
			<i>For Class 52 Rating, Deduct</i>	-182.15	
			<i>For Class 54 Rating, Add</i>	254.20	
			<i>For Class 55 Rating, Add</i>	380.90	
			<i>For Class 56 Rating, Add</i>	505.94	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.55	324.22
			<i>For Class 52 Rating, Deduct</i>	-188.57	
			<i>For Class 54 Rating, Add</i>	263.04	
			<i>For Class 55 Rating, Add</i>	394.08	
			<i>For Class 56 Rating, Add</i>	523.41	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,270.33	328.42
			<i>For Class 52 Rating, Deduct</i>	-195.00	
			<i>For Class 54 Rating, Add</i>	271.88	
			<i>For Class 55 Rating, Add</i>	407.26	
			<i>For Class 56 Rating, Add</i>	540.87	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,335.10	332.62
			<i>For Class 52 Rating, Deduct</i>	-201.43	
			<i>For Class 54 Rating, Add</i>	280.72	
			<i>For Class 55 Rating, Add</i>	420.44	
			<i>For Class 56 Rating, Add</i>	558.33	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,399.89	336.82
			<i>For Class 52 Rating, Deduct</i>	-207.85	
			<i>For Class 54 Rating, Add</i>	289.56	
			<i>For Class 55 Rating, Add</i>	433.62	
			<i>For Class 56 Rating, Add</i>	575.79	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.67	341.02
			<i>For Class 52 Rating, Deduct</i>	-214.28	
			<i>For Class 54 Rating, Add</i>	298.40	
			<i>For Class 55 Rating, Add</i>	446.80	
			<i>For Class 56 Rating, Add</i>	593.25	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,529.45	345.21
			<i>For Class 52 Rating, Deduct</i>	-220.70	
			<i>For Class 54 Rating, Add</i>	307.24	
			<i>For Class 55 Rating, Add</i>	459.98	
			<i>For Class 56 Rating, Add</i>	610.72	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,594.23	349.42
			<i>For Class 52 Rating, Deduct</i>	-227.13	
			<i>For Class 54 Rating, Add</i>	316.07	
			<i>For Class 55 Rating, Add</i>	473.16	
			<i>For Class 56 Rating, Add</i>	628.18	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.01	353.61
			<i>For Class 52 Rating, Deduct</i>	-233.56	
			<i>For Class 54 Rating, Add</i>	324.91	
			<i>For Class 55 Rating, Add</i>	486.34	
			<i>For Class 56 Rating, Add</i>	645.64	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,723.79	357.82
			<i>For Class 52 Rating, Deduct</i>	-239.98	
			<i>For Class 54 Rating, Add</i>	333.75	
			<i>For Class 55 Rating, Add</i>	499.52	
			<i>For Class 56 Rating, Add</i>	663.10	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.57	362.02
			<i>For Class 52 Rating, Deduct</i>	-246.41	
			<i>For Class 54 Rating, Add</i>	342.59	
			<i>For Class 55 Rating, Add</i>	512.70	
			<i>For Class 56 Rating, Add</i>	680.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,853.35	366.22
<i>For Class 52 Rating, Deduct</i>	-252.83	
<i>For Class 54 Rating, Add</i>	351.43	
<i>For Class 55 Rating, Add</i>	525.88	
<i>For Class 56 Rating, Add</i>	698.03	
40 05 19 00-0035 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,918.13	370.42
<i>For Class 52 Rating, Deduct</i>	-259.26	
<i>For Class 54 Rating, Add</i>	360.27	
<i>For Class 55 Rating, Add</i>	539.06	
<i>For Class 56 Rating, Add</i>	715.49	
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,982.91	374.61
<i>For Class 52 Rating, Deduct</i>	-265.68	
<i>For Class 54 Rating, Add</i>	369.11	
<i>For Class 55 Rating, Add</i>	552.24	
<i>For Class 56 Rating, Add</i>	732.95	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,047.69	378.82
<i>For Class 52 Rating, Deduct</i>	-272.11	
<i>For Class 54 Rating, Add</i>	377.95	
<i>For Class 55 Rating, Add</i>	565.42	
<i>For Class 56 Rating, Add</i>	750.41	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,112.47	383.01
<i>For Class 52 Rating, Deduct</i>	-278.54	
<i>For Class 54 Rating, Add</i>	386.78	
<i>For Class 55 Rating, Add</i>	578.60	
<i>For Class 56 Rating, Add</i>	767.87	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,177.25	387.22
<i>For Class 52 Rating, Deduct</i>	-284.96	
<i>For Class 54 Rating, Add</i>	395.62	
<i>For Class 55 Rating, Add</i>	591.78	
<i>For Class 56 Rating, Add</i>	785.34	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.03	391.41
<i>For Class 52 Rating, Deduct</i>	-291.39	
<i>For Class 54 Rating, Add</i>	404.46	
<i>For Class 55 Rating, Add</i>	604.96	
<i>For Class 56 Rating, Add</i>	802.80	
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,306.81	395.62
<i>For Class 52 Rating, Deduct</i>	-297.81	
<i>For Class 54 Rating, Add</i>	413.30	
<i>For Class 55 Rating, Add</i>	618.13	
<i>For Class 56 Rating, Add</i>	820.26	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,371.59	399.81
<i>For Class 52 Rating, Deduct</i>	-304.24	
<i>For Class 54 Rating, Add</i>	422.14	
<i>For Class 55 Rating, Add</i>	631.31	
<i>For Class 56 Rating, Add</i>	837.72	
 40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,152.41	302.38
<i>For Class 52 Rating, Deduct</i>	-76.37	
<i>For Class 54 Rating, Add</i>	109.64	
<i>For Class 55 Rating, Add</i>	165.82	
<i>For Class 56 Rating, Add</i>	221.30	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,230.67	306.58
<i>For Class 52 Rating, Deduct</i>	-84.28	
<i>For Class 54 Rating, Add</i>	120.50	
<i>For Class 55 Rating, Add</i>	182.00	
<i>For Class 56 Rating, Add</i>	242.74	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.94	310.78
<i>For Class 52 Rating, Deduct</i>	-92.19	
<i>For Class 54 Rating, Add</i>	131.36	
<i>For Class 55 Rating, Add</i>	198.19	
<i>For Class 56 Rating, Add</i>	264.18	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.19	314.98
<i>For Class 52 Rating, Deduct</i>	-100.09	
<i>For Class 54 Rating, Add</i>	142.22	
<i>For Class 55 Rating, Add</i>	214.37	
<i>For Class 56 Rating, Add</i>	285.62	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,465.45	319.18
<i>For Class 52 Rating, Deduct</i>	-108.00	
<i>For Class 54 Rating, Add</i>	153.08	
<i>For Class 55 Rating, Add</i>	230.56	
<i>For Class 56 Rating, Add</i>	307.06	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.72	323.38
<i>For Class 52 Rating, Deduct</i>	-115.91	
<i>For Class 54 Rating, Add</i>	163.94	
<i>For Class 55 Rating, Add</i>	246.75	
<i>For Class 56 Rating, Add</i>	328.50	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,621.98	327.57
<i>For Class 52 Rating, Deduct</i>	-123.82	
<i>For Class 54 Rating, Add</i>	174.80	
<i>For Class 55 Rating, Add</i>	262.93	
<i>For Class 56 Rating, Add</i>	349.93	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,700.23	331.78
			<i>For Class 52 Rating, Deduct</i>	-131.73	
			<i>For Class 54 Rating, Add</i>	185.66	
			<i>For Class 55 Rating, Add</i>	279.12	
			<i>For Class 56 Rating, Add</i>	371.37	
40 05 19 00-0052	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,778.50	335.98
			<i>For Class 52 Rating, Deduct</i>	-139.64	
			<i>For Class 54 Rating, Add</i>	196.52	
			<i>For Class 55 Rating, Add</i>	295.30	
			<i>For Class 56 Rating, Add</i>	392.81	
40 05 19 00-0053	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.76	340.18
			<i>For Class 52 Rating, Deduct</i>	-147.55	
			<i>For Class 54 Rating, Add</i>	207.39	
			<i>For Class 55 Rating, Add</i>	311.49	
			<i>For Class 56 Rating, Add</i>	414.25	
40 05 19 00-0054	EA		6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,935.02	344.38
			<i>For Class 52 Rating, Deduct</i>	-155.46	
			<i>For Class 54 Rating, Add</i>	218.25	
			<i>For Class 55 Rating, Add</i>	327.68	
			<i>For Class 56 Rating, Add</i>	435.69	
40 05 19 00-0055	EA		6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,013.28	348.58
			<i>For Class 52 Rating, Deduct</i>	-163.36	
			<i>For Class 54 Rating, Add</i>	229.11	
			<i>For Class 55 Rating, Add</i>	343.86	
			<i>For Class 56 Rating, Add</i>	457.13	
40 05 19 00-0056	EA		6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,091.54	352.78
			<i>For Class 52 Rating, Deduct</i>	-171.27	
			<i>For Class 54 Rating, Add</i>	239.97	
			<i>For Class 55 Rating, Add</i>	360.05	
			<i>For Class 56 Rating, Add</i>	478.57	
40 05 19 00-0057	EA		6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,169.81	356.97
			<i>For Class 52 Rating, Deduct</i>	-179.18	
			<i>For Class 54 Rating, Add</i>	250.83	
			<i>For Class 55 Rating, Add</i>	376.23	
			<i>For Class 56 Rating, Add</i>	500.01	
40 05 19 00-0058	EA		6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,248.07	361.18
			<i>For Class 52 Rating, Deduct</i>	-187.09	
			<i>For Class 54 Rating, Add</i>	261.69	
			<i>For Class 55 Rating, Add</i>	392.42	
			<i>For Class 56 Rating, Add</i>	521.45	
40 05 19 00-0059	EA		6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,326.33	365.37
			<i>For Class 52 Rating, Deduct</i>	-195.00	
			<i>For Class 54 Rating, Add</i>	272.55	
			<i>For Class 55 Rating, Add</i>	408.61	
			<i>For Class 56 Rating, Add</i>	542.88	
40 05 19 00-0060	EA		6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,404.59	369.58
			<i>For Class 52 Rating, Deduct</i>	-202.91	
			<i>For Class 54 Rating, Add</i>	283.41	
			<i>For Class 55 Rating, Add</i>	424.79	
			<i>For Class 56 Rating, Add</i>	564.32	
40 05 19 00-0061	EA		6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,482.85	373.77
			<i>For Class 52 Rating, Deduct</i>	-210.82	
			<i>For Class 54 Rating, Add</i>	294.27	
			<i>For Class 55 Rating, Add</i>	440.98	
			<i>For Class 56 Rating, Add</i>	585.76	
40 05 19 00-0062	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.11	377.98
			<i>For Class 52 Rating, Deduct</i>	-218.73	
			<i>For Class 54 Rating, Add</i>	305.14	
			<i>For Class 55 Rating, Add</i>	457.16	
			<i>For Class 56 Rating, Add</i>	607.20	
40 05 19 00-0063	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,639.38	382.18
			<i>For Class 52 Rating, Deduct</i>	-226.64	
			<i>For Class 54 Rating, Add</i>	316.00	
			<i>For Class 55 Rating, Add</i>	473.35	
			<i>For Class 56 Rating, Add</i>	628.64	
40 05 19 00-0064	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,717.63	386.37
			<i>For Class 52 Rating, Deduct</i>	-234.54	
			<i>For Class 54 Rating, Add</i>	326.86	
			<i>For Class 55 Rating, Add</i>	489.53	
			<i>For Class 56 Rating, Add</i>	650.08	
40 05 19 00-0065	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,795.89	390.58
			<i>For Class 52 Rating, Deduct</i>	-242.45	
			<i>For Class 54 Rating, Add</i>	337.72	
			<i>For Class 55 Rating, Add</i>	505.72	
			<i>For Class 56 Rating, Add</i>	671.52	
40 05 19 00-0066	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,874.16	394.77
			<i>For Class 52 Rating, Deduct</i>	-250.36	
			<i>For Class 54 Rating, Add</i>	348.58	
			<i>For Class 55 Rating, Add</i>	521.91	
			<i>For Class 56 Rating, Add</i>	692.96	
40 05 19 00-0067	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,952.42	398.98
			<i>For Class 52 Rating, Deduct</i>	-258.27	
			<i>For Class 54 Rating, Add</i>	359.44	
			<i>For Class 55 Rating, Add</i>	538.09	
			<i>For Class 56 Rating, Add</i>	714.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068 EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,030.67	403.17
<i>For Class 52 Rating, Deduct</i>	-266.18	
<i>For Class 54 Rating, Add</i>	370.30	
<i>For Class 55 Rating, Add</i>	554.28	
<i>For Class 56 Rating, Add</i>	735.83	
40 05 19 00-0069 EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,108.94	407.38
<i>For Class 52 Rating, Deduct</i>	-274.09	
<i>For Class 54 Rating, Add</i>	381.16	
<i>For Class 55 Rating, Add</i>	570.46	
<i>For Class 56 Rating, Add</i>	757.27	
40 05 19 00-0070 EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,187.20	411.57
<i>For Class 52 Rating, Deduct</i>	-282.00	
<i>For Class 54 Rating, Add</i>	392.02	
<i>For Class 55 Rating, Add</i>	586.65	
<i>For Class 56 Rating, Add</i>	778.71	
40 05 19 00-0071 EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,265.46	415.77
<i>For Class 52 Rating, Deduct</i>	-289.91	
<i>For Class 54 Rating, Add</i>	402.88	
<i>For Class 55 Rating, Add</i>	602.84	
<i>For Class 56 Rating, Add</i>	800.15	
40 05 19 00-0072 EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,343.72	419.97
<i>For Class 52 Rating, Deduct</i>	-297.81	
<i>For Class 54 Rating, Add</i>	413.74	
<i>For Class 55 Rating, Add</i>	619.02	
<i>For Class 56 Rating, Add</i>	821.59	
40 05 19 00-0073 EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.98	424.17
<i>For Class 52 Rating, Deduct</i>	-305.72	
<i>For Class 54 Rating, Add</i>	424.61	
<i>For Class 55 Rating, Add</i>	635.21	
<i>For Class 56 Rating, Add</i>	843.03	
40 05 19 00-0074 EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.24	428.38
<i>For Class 52 Rating, Deduct</i>	-313.63	
<i>For Class 54 Rating, Add</i>	435.47	
<i>For Class 55 Rating, Add</i>	651.39	
<i>For Class 56 Rating, Add</i>	864.47	
40 05 19 00-0075 EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,578.51	432.57
<i>For Class 52 Rating, Deduct</i>	-321.54	
<i>For Class 54 Rating, Add</i>	446.33	
<i>For Class 55 Rating, Add</i>	667.58	
<i>For Class 56 Rating, Add</i>	885.91	
40 05 19 00-0076 EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,656.76	436.78
<i>For Class 52 Rating, Deduct</i>	-329.45	
<i>For Class 54 Rating, Add</i>	457.19	
<i>For Class 55 Rating, Add</i>	683.76	
<i>For Class 56 Rating, Add</i>	907.34	
40 05 19 00-0077 EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,735.01	440.97
<i>For Class 52 Rating, Deduct</i>	-337.36	
<i>For Class 54 Rating, Add</i>	468.05	
<i>For Class 55 Rating, Add</i>	699.95	
<i>For Class 56 Rating, Add</i>	928.78	
40 05 19 00-0078 EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,813.28	445.17
<i>For Class 52 Rating, Deduct</i>	-345.27	
<i>For Class 54 Rating, Add</i>	478.91	
<i>For Class 55 Rating, Add</i>	716.14	
<i>For Class 56 Rating, Add</i>	950.22	
40 05 19 00-0079 EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,891.54	449.37
<i>For Class 52 Rating, Deduct</i>	-353.17	
<i>For Class 54 Rating, Add</i>	489.77	
<i>For Class 55 Rating, Add</i>	732.32	
<i>For Class 56 Rating, Add</i>	971.66	
40 05 19 00-0080 EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,969.79	453.57
<i>For Class 52 Rating, Deduct</i>	-361.08	
<i>For Class 54 Rating, Add</i>	500.63	
<i>For Class 55 Rating, Add</i>	748.51	
<i>For Class 56 Rating, Add</i>	993.10	
40 05 19 00-0081 EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,048.06	457.77
<i>For Class 52 Rating, Deduct</i>	-368.99	
<i>For Class 54 Rating, Add</i>	511.49	
<i>For Class 55 Rating, Add</i>	764.69	
<i>For Class 56 Rating, Add</i>	1,014.54	
40 05 19 00-0082 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,126.32	461.97
<i>For Class 52 Rating, Deduct</i>	-376.90	
<i>For Class 54 Rating, Add</i>	522.35	
<i>For Class 55 Rating, Add</i>	780.88	
<i>For Class 56 Rating, Add</i>	1,035.98	
40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,607.71	386.37
<i>For Class 52 Rating, Deduct</i>	-112.45	
<i>For Class 54 Rating, Add</i>	160.37	
<i>For Class 55 Rating, Add</i>	242.02	
<i>For Class 56 Rating, Add</i>	322.65	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.93	390.58
			<i>For Class 52 Rating, Deduct</i>	-123.33	
			<i>For Class 54 Rating, Add</i>	175.27	
			<i>For Class 55 Rating, Add</i>	264.22	
			<i>For Class 56 Rating, Add</i>	352.04	
40 05 19 00-0086	EA		8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,818.16	394.77
			<i>For Class 52 Rating, Deduct</i>	-134.20	
			<i>For Class 54 Rating, Add</i>	190.18	
			<i>For Class 55 Rating, Add</i>	286.42	
			<i>For Class 56 Rating, Add</i>	381.44	
40 05 19 00-0087	EA		8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,923.38	398.98
			<i>For Class 52 Rating, Deduct</i>	-145.08	
			<i>For Class 54 Rating, Add</i>	205.08	
			<i>For Class 55 Rating, Add</i>	308.62	
			<i>For Class 56 Rating, Add</i>	410.83	
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,028.60	403.17
			<i>For Class 52 Rating, Deduct</i>	-155.95	
			<i>For Class 54 Rating, Add</i>	219.99	
			<i>For Class 55 Rating, Add</i>	330.81	
			<i>For Class 56 Rating, Add</i>	440.22	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,133.83	407.38
			<i>For Class 52 Rating, Deduct</i>	-166.82	
			<i>For Class 54 Rating, Add</i>	234.90	
			<i>For Class 55 Rating, Add</i>	353.01	
			<i>For Class 56 Rating, Add</i>	469.61	
40 05 19 00-0090	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,239.05	411.57
			<i>For Class 52 Rating, Deduct</i>	-177.70	
			<i>For Class 54 Rating, Add</i>	249.80	
			<i>For Class 55 Rating, Add</i>	375.21	
			<i>For Class 56 Rating, Add</i>	499.01	
40 05 19 00-0091	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,344.27	415.77
			<i>For Class 52 Rating, Deduct</i>	-188.57	
			<i>For Class 54 Rating, Add</i>	264.71	
			<i>For Class 55 Rating, Add</i>	397.41	
			<i>For Class 56 Rating, Add</i>	528.40	
40 05 19 00-0092	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,449.50	419.97
			<i>For Class 52 Rating, Deduct</i>	-199.45	
			<i>For Class 54 Rating, Add</i>	279.61	
			<i>For Class 55 Rating, Add</i>	419.61	
			<i>For Class 56 Rating, Add</i>	557.79	
40 05 19 00-0093	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,554.72	424.17
			<i>For Class 52 Rating, Deduct</i>	-210.32	
			<i>For Class 54 Rating, Add</i>	294.52	
			<i>For Class 55 Rating, Add</i>	441.81	
			<i>For Class 56 Rating, Add</i>	587.19	
40 05 19 00-0094	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.94	428.38
			<i>For Class 52 Rating, Deduct</i>	-221.20	
			<i>For Class 54 Rating, Add</i>	309.42	
			<i>For Class 55 Rating, Add</i>	464.01	
			<i>For Class 56 Rating, Add</i>	616.58	
40 05 19 00-0095	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,765.17	432.57
			<i>For Class 52 Rating, Deduct</i>	-232.07	
			<i>For Class 54 Rating, Add</i>	324.33	
			<i>For Class 55 Rating, Add</i>	486.20	
			<i>For Class 56 Rating, Add</i>	645.97	
40 05 19 00-0096	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,870.38	436.78
			<i>For Class 52 Rating, Deduct</i>	-242.95	
			<i>For Class 54 Rating, Add</i>	339.23	
			<i>For Class 55 Rating, Add</i>	508.40	
			<i>For Class 56 Rating, Add</i>	675.36	
40 05 19 00-0097	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,975.59	440.97
			<i>For Class 52 Rating, Deduct</i>	-253.82	
			<i>For Class 54 Rating, Add</i>	354.14	
			<i>For Class 55 Rating, Add</i>	530.60	
			<i>For Class 56 Rating, Add</i>	704.75	
40 05 19 00-0098	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.82	445.17
			<i>For Class 52 Rating, Deduct</i>	-264.70	
			<i>For Class 54 Rating, Add</i>	369.04	
			<i>For Class 55 Rating, Add</i>	552.80	
			<i>For Class 56 Rating, Add</i>	734.15	
40 05 19 00-0099	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,186.04	449.37
			<i>For Class 52 Rating, Deduct</i>	-275.57	
			<i>For Class 54 Rating, Add</i>	383.95	
			<i>For Class 55 Rating, Add</i>	575.00	
			<i>For Class 56 Rating, Add</i>	763.54	
40 05 19 00-0100	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,291.26	453.57
			<i>For Class 52 Rating, Deduct</i>	-286.44	
			<i>For Class 54 Rating, Add</i>	398.85	
			<i>For Class 55 Rating, Add</i>	597.19	
			<i>For Class 56 Rating, Add</i>	792.93	
40 05 19 00-0101	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,396.49	457.77
			<i>For Class 52 Rating, Deduct</i>	-297.32	
			<i>For Class 54 Rating, Add</i>	413.76	
			<i>For Class 55 Rating, Add</i>	619.39	
			<i>For Class 56 Rating, Add</i>	822.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,501.71	461.97
<i>For Class 52 Rating, Deduct</i>	-308.19	
<i>For Class 54 Rating, Add</i>	428.66	
<i>For Class 55 Rating, Add</i>	641.59	
<i>For Class 56 Rating, Add</i>	851.72	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,606.94	466.17
<i>For Class 52 Rating, Deduct</i>	-319.07	
<i>For Class 54 Rating, Add</i>	443.57	
<i>For Class 55 Rating, Add</i>	663.79	
<i>For Class 56 Rating, Add</i>	881.11	
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,712.16	470.37
<i>For Class 52 Rating, Deduct</i>	-329.94	
<i>For Class 54 Rating, Add</i>	458.47	
<i>For Class 55 Rating, Add</i>	685.99	
<i>For Class 56 Rating, Add</i>	910.50	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,817.38	474.56
<i>For Class 52 Rating, Deduct</i>	-340.82	
<i>For Class 54 Rating, Add</i>	473.38	
<i>For Class 55 Rating, Add</i>	708.19	
<i>For Class 56 Rating, Add</i>	939.90	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,922.61	478.77
<i>For Class 52 Rating, Deduct</i>	-351.69	
<i>For Class 54 Rating, Add</i>	488.28	
<i>For Class 55 Rating, Add</i>	730.39	
<i>For Class 56 Rating, Add</i>	969.29	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,027.83	482.97
<i>For Class 52 Rating, Deduct</i>	-362.57	
<i>For Class 54 Rating, Add</i>	503.19	
<i>For Class 55 Rating, Add</i>	752.58	
<i>For Class 56 Rating, Add</i>	998.68	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,133.04	487.17
<i>For Class 52 Rating, Deduct</i>	-373.44	
<i>For Class 54 Rating, Add</i>	518.09	
<i>For Class 55 Rating, Add</i>	774.78	
<i>For Class 56 Rating, Add</i>	1,028.07	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,238.27	491.37
<i>For Class 52 Rating, Deduct</i>	-384.31	
<i>For Class 54 Rating, Add</i>	533.00	
<i>For Class 55 Rating, Add</i>	796.98	
<i>For Class 56 Rating, Add</i>	1,057.46	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,343.49	495.57
<i>For Class 52 Rating, Deduct</i>	-395.19	
<i>For Class 54 Rating, Add</i>	547.90	
<i>For Class 55 Rating, Add</i>	819.18	
<i>For Class 56 Rating, Add</i>	1,086.86	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,448.71	499.77
<i>For Class 52 Rating, Deduct</i>	-406.06	
<i>For Class 54 Rating, Add</i>	562.81	
<i>For Class 55 Rating, Add</i>	841.38	
<i>For Class 56 Rating, Add</i>	1,116.25	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,553.94	503.96
<i>For Class 52 Rating, Deduct</i>	-416.94	
<i>For Class 54 Rating, Add</i>	577.72	
<i>For Class 55 Rating, Add</i>	863.57	
<i>For Class 56 Rating, Add</i>	1,145.64	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,659.16	508.17
<i>For Class 52 Rating, Deduct</i>	-427.81	
<i>For Class 54 Rating, Add</i>	592.62	
<i>For Class 55 Rating, Add</i>	885.77	
<i>For Class 56 Rating, Add</i>	1,175.04	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,764.38	512.36
<i>For Class 52 Rating, Deduct</i>	-438.69	
<i>For Class 54 Rating, Add</i>	607.53	
<i>For Class 55 Rating, Add</i>	907.97	
<i>For Class 56 Rating, Add</i>	1,204.43	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,869.61	516.57
<i>For Class 52 Rating, Deduct</i>	-449.56	
<i>For Class 54 Rating, Add</i>	622.43	
<i>For Class 55 Rating, Add</i>	930.17	
<i>For Class 56 Rating, Add</i>	1,233.82	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,974.83	520.76
<i>For Class 52 Rating, Deduct</i>	-460.44	
<i>For Class 54 Rating, Add</i>	637.34	
<i>For Class 55 Rating, Add</i>	952.37	
<i>For Class 56 Rating, Add</i>	1,263.21	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,080.05	524.97
<i>For Class 52 Rating, Deduct</i>	-471.31	
<i>For Class 54 Rating, Add</i>	652.24	
<i>For Class 55 Rating, Add</i>	974.57	
<i>For Class 56 Rating, Add</i>	1,292.61	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,185.28	529.17
<i>For Class 52 Rating, Deduct</i>	-482.19	
<i>For Class 54 Rating, Add</i>	667.15	
<i>For Class 55 Rating, Add</i>	996.77	
<i>For Class 56 Rating, Add</i>	1,322.00	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,290.50	533.36
			<i>For Class 52 Rating, Deduct</i>	-493.06	
			<i>For Class 54 Rating, Add</i>	682.05	
			<i>For Class 55 Rating, Add</i>	1,018.96	
			<i>For Class 56 Rating, Add</i>	1,351.39	
40 05 19 00-0120	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,395.72	537.57
			<i>For Class 52 Rating, Deduct</i>	-503.94	
			<i>For Class 54 Rating, Add</i>	696.96	
			<i>For Class 55 Rating, Add</i>	1,041.16	
			<i>For Class 56 Rating, Add</i>	1,380.78	
40 05 19 00-0121	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,500.94	541.76
			<i>For Class 52 Rating, Deduct</i>	-514.81	
			<i>For Class 54 Rating, Add</i>	711.86	
			<i>For Class 55 Rating, Add</i>	1,063.36	
			<i>For Class 56 Rating, Add</i>	1,410.17	
40 05 19 00-0122	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,606.16	545.97
			<i>For Class 52 Rating, Deduct</i>	-525.68	
			<i>For Class 54 Rating, Add</i>	726.77	
			<i>For Class 55 Rating, Add</i>	1,085.56	
			<i>For Class 56 Rating, Add</i>	1,439.57	
40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>					
40 05 19 00-0124	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.81	470.37
			<i>For Class 52 Rating, Deduct</i>	-144.33	
			<i>For Class 54 Rating, Add</i>	205.37	
			<i>For Class 55 Rating, Add</i>	309.71	
			<i>For Class 56 Rating, Add</i>	412.73	
40 05 19 00-0125	EA		10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,161.49	474.56
			<i>For Class 52 Rating, Deduct</i>	-158.67	
			<i>For Class 54 Rating, Add</i>	225.00	
			<i>For Class 55 Rating, Add</i>	338.92	
			<i>For Class 56 Rating, Add</i>	451.41	
40 05 19 00-0126	EA		10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,298.17	478.77
			<i>For Class 52 Rating, Deduct</i>	-173.00	
			<i>For Class 54 Rating, Add</i>	244.62	
			<i>For Class 55 Rating, Add</i>	368.14	
			<i>For Class 56 Rating, Add</i>	490.08	
40 05 19 00-0127	EA		10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.84	482.97
			<i>For Class 52 Rating, Deduct</i>	-187.34	
			<i>For Class 54 Rating, Add</i>	264.24	
			<i>For Class 55 Rating, Add</i>	397.35	
			<i>For Class 56 Rating, Add</i>	528.75	
40 05 19 00-0128	EA		10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,571.52	487.17
			<i>For Class 52 Rating, Deduct</i>	-201.67	
			<i>For Class 54 Rating, Add</i>	283.87	
			<i>For Class 55 Rating, Add</i>	426.56	
			<i>For Class 56 Rating, Add</i>	567.42	
40 05 19 00-0129	EA		10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,708.20	491.37
			<i>For Class 52 Rating, Deduct</i>	-216.01	
			<i>For Class 54 Rating, Add</i>	303.49	
			<i>For Class 55 Rating, Add</i>	455.77	
			<i>For Class 56 Rating, Add</i>	606.09	
40 05 19 00-0130	EA		10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,844.88	495.57
			<i>For Class 52 Rating, Deduct</i>	-230.34	
			<i>For Class 54 Rating, Add</i>	323.11	
			<i>For Class 55 Rating, Add</i>	484.99	
			<i>For Class 56 Rating, Add</i>	644.77	
40 05 19 00-0131	EA		10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,981.55	499.77
			<i>For Class 52 Rating, Deduct</i>	-244.68	
			<i>For Class 54 Rating, Add</i>	342.74	
			<i>For Class 55 Rating, Add</i>	514.20	
			<i>For Class 56 Rating, Add</i>	683.44	
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,118.24	503.96
			<i>For Class 52 Rating, Deduct</i>	-259.01	
			<i>For Class 54 Rating, Add</i>	362.36	
			<i>For Class 55 Rating, Add</i>	543.41	
			<i>For Class 56 Rating, Add</i>	722.11	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.91	508.17
			<i>For Class 52 Rating, Deduct</i>	-273.35	
			<i>For Class 54 Rating, Add</i>	381.98	
			<i>For Class 55 Rating, Add</i>	572.62	
			<i>For Class 56 Rating, Add</i>	760.78	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,391.59	512.36
			<i>For Class 52 Rating, Deduct</i>	-287.68	
			<i>For Class 54 Rating, Add</i>	401.61	
			<i>For Class 55 Rating, Add</i>	601.84	
			<i>For Class 56 Rating, Add</i>	799.45	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,528.27	516.57
			<i>For Class 52 Rating, Deduct</i>	-302.01	
			<i>For Class 54 Rating, Add</i>	421.23	
			<i>For Class 55 Rating, Add</i>	631.05	
			<i>For Class 56 Rating, Add</i>	838.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,664.94	520.76
<i>For Class 52 Rating, Deduct</i>	-316.35	
<i>For Class 54 Rating, Add</i>	440.85	
<i>For Class 55 Rating, Add</i>	660.26	
<i>For Class 56 Rating, Add</i>	876.80	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,801.62	524.97
<i>For Class 52 Rating, Deduct</i>	-330.68	
<i>For Class 54 Rating, Add</i>	460.48	
<i>For Class 55 Rating, Add</i>	689.48	
<i>For Class 56 Rating, Add</i>	915.47	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,938.30	529.17
<i>For Class 52 Rating, Deduct</i>	-345.02	
<i>For Class 54 Rating, Add</i>	480.10	
<i>For Class 55 Rating, Add</i>	718.69	
<i>For Class 56 Rating, Add</i>	954.14	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,074.98	533.36
<i>For Class 52 Rating, Deduct</i>	-359.35	
<i>For Class 54 Rating, Add</i>	499.73	
<i>For Class 55 Rating, Add</i>	747.90	
<i>For Class 56 Rating, Add</i>	992.81	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,211.65	537.57
<i>For Class 52 Rating, Deduct</i>	-373.69	
<i>For Class 54 Rating, Add</i>	519.35	
<i>For Class 55 Rating, Add</i>	777.11	
<i>For Class 56 Rating, Add</i>	1,031.48	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,348.34	541.76
<i>For Class 52 Rating, Deduct</i>	-388.02	
<i>For Class 54 Rating, Add</i>	538.97	
<i>For Class 55 Rating, Add</i>	806.33	
<i>For Class 56 Rating, Add</i>	1,070.16	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,485.01	545.97
<i>For Class 52 Rating, Deduct</i>	-402.36	
<i>For Class 54 Rating, Add</i>	558.60	
<i>For Class 55 Rating, Add</i>	835.54	
<i>For Class 56 Rating, Add</i>	1,108.83	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,621.68	550.16
<i>For Class 52 Rating, Deduct</i>	-416.69	
<i>For Class 54 Rating, Add</i>	578.22	
<i>For Class 55 Rating, Add</i>	864.75	
<i>For Class 56 Rating, Add</i>	1,147.50	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,758.37	554.37
<i>For Class 52 Rating, Deduct</i>	-431.03	
<i>For Class 54 Rating, Add</i>	597.84	
<i>For Class 55 Rating, Add</i>	893.97	
<i>For Class 56 Rating, Add</i>	1,186.17	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,895.04	558.56
<i>For Class 52 Rating, Deduct</i>	-445.36	
<i>For Class 54 Rating, Add</i>	617.47	
<i>For Class 55 Rating, Add</i>	923.18	
<i>For Class 56 Rating, Add</i>	1,224.84	
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,031.73	562.77
<i>For Class 52 Rating, Deduct</i>	-459.70	
<i>For Class 54 Rating, Add</i>	637.09	
<i>For Class 55 Rating, Add</i>	952.39	
<i>For Class 56 Rating, Add</i>	1,263.52	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,168.40	566.96
<i>For Class 52 Rating, Deduct</i>	-474.03	
<i>For Class 54 Rating, Add</i>	656.71	
<i>For Class 55 Rating, Add</i>	981.60	
<i>For Class 56 Rating, Add</i>	1,302.19	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,305.08	571.16
<i>For Class 52 Rating, Deduct</i>	-488.36	
<i>For Class 54 Rating, Add</i>	676.34	
<i>For Class 55 Rating, Add</i>	1,010.82	
<i>For Class 56 Rating, Add</i>	1,340.86	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,441.76	575.37
<i>For Class 52 Rating, Deduct</i>	-502.70	
<i>For Class 54 Rating, Add</i>	695.96	
<i>For Class 55 Rating, Add</i>	1,040.03	
<i>For Class 56 Rating, Add</i>	1,379.53	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,578.44	579.56
<i>For Class 52 Rating, Deduct</i>	-517.03	
<i>For Class 54 Rating, Add</i>	715.58	
<i>For Class 55 Rating, Add</i>	1,069.24	
<i>For Class 56 Rating, Add</i>	1,418.20	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,715.11	583.77
<i>For Class 52 Rating, Deduct</i>	-531.37	
<i>For Class 54 Rating, Add</i>	735.21	
<i>For Class 55 Rating, Add</i>	1,098.46	
<i>For Class 56 Rating, Add</i>	1,456.87	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,851.79	587.96
<i>For Class 52 Rating, Deduct</i>	-545.70	
<i>For Class 54 Rating, Add</i>	754.83	
<i>For Class 55 Rating, Add</i>	1,127.67	
<i>For Class 56 Rating, Add</i>	1,495.55	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,988.47	592.17
			<i>For Class 52 Rating, Deduct</i>	-560.04	
			<i>For Class 54 Rating, Add</i>	774.45	
			<i>For Class 55 Rating, Add</i>	1,156.88	
			<i>For Class 56 Rating, Add</i>	1,534.22	
40 05 19 00-0154	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,125.14	596.36
			<i>For Class 52 Rating, Deduct</i>	-574.37	
			<i>For Class 54 Rating, Add</i>	794.08	
			<i>For Class 55 Rating, Add</i>	1,186.09	
			<i>For Class 56 Rating, Add</i>	1,572.89	
40 05 19 00-0155	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,259.58	600.56
			<i>For Class 52 Rating, Deduct</i>	-588.46	
			<i>For Class 54 Rating, Add</i>	813.36	
			<i>For Class 55 Rating, Add</i>	1,214.81	
			<i>For Class 56 Rating, Add</i>	1,610.90	
40 05 19 00-0156	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,398.50	604.76
			<i>For Class 52 Rating, Deduct</i>	-603.04	
			<i>For Class 54 Rating, Add</i>	833.32	
			<i>For Class 55 Rating, Add</i>	1,244.52	
			<i>For Class 56 Rating, Add</i>	1,650.23	
40 05 19 00-0157	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,535.18	608.96
			<i>For Class 52 Rating, Deduct</i>	-617.38	
			<i>For Class 54 Rating, Add</i>	852.95	
			<i>For Class 55 Rating, Add</i>	1,273.73	
			<i>For Class 56 Rating, Add</i>	1,688.91	
40 05 19 00-0158	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,671.86	613.16
			<i>For Class 52 Rating, Deduct</i>	-631.71	
			<i>For Class 54 Rating, Add</i>	872.57	
			<i>For Class 55 Rating, Add</i>	1,302.95	
			<i>For Class 56 Rating, Add</i>	1,727.58	
40 05 19 00-0159	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,808.53	617.36
			<i>For Class 52 Rating, Deduct</i>	-646.05	
			<i>For Class 54 Rating, Add</i>	892.20	
			<i>For Class 55 Rating, Add</i>	1,332.16	
			<i>For Class 56 Rating, Add</i>	1,766.25	
40 05 19 00-0160	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,945.20	621.57
			<i>For Class 52 Rating, Deduct</i>	-660.38	
			<i>For Class 54 Rating, Add</i>	911.82	
			<i>For Class 55 Rating, Add</i>	1,361.37	
			<i>For Class 56 Rating, Add</i>	1,804.92	
40 05 19 00-0161	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,081.88	625.76
			<i>For Class 52 Rating, Deduct</i>	-674.71	
			<i>For Class 54 Rating, Add</i>	931.44	
			<i>For Class 55 Rating, Add</i>	1,390.58	
			<i>For Class 56 Rating, Add</i>	1,843.59	
40 05 19 00-0162	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,218.56	629.96
			<i>For Class 52 Rating, Deduct</i>	-689.05	
			<i>For Class 54 Rating, Add</i>	951.07	
			<i>For Class 55 Rating, Add</i>	1,419.80	
			<i>For Class 56 Rating, Add</i>	1,882.26	
40 05 19 00-0163			12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0164	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,647.86	587.96
			<i>For Class 52 Rating, Deduct</i>	-193.27	
			<i>For Class 54 Rating, Add</i>	274.24	
			<i>For Class 55 Rating, Add</i>	413.19	
			<i>For Class 56 Rating, Add</i>	550.39	
40 05 19 00-0165	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.23	592.17
			<i>For Class 52 Rating, Deduct</i>	-211.31	
			<i>For Class 54 Rating, Add</i>	298.92	
			<i>For Class 55 Rating, Add</i>	449.92	
			<i>For Class 56 Rating, Add</i>	599.00	
40 05 19 00-0166	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,988.61	596.36
			<i>For Class 52 Rating, Deduct</i>	-229.35	
			<i>For Class 54 Rating, Add</i>	323.60	
			<i>For Class 55 Rating, Add</i>	486.65	
			<i>For Class 56 Rating, Add</i>	647.61	
40 05 19 00-0167	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,159.00	600.56
			<i>For Class 52 Rating, Deduct</i>	-247.40	
			<i>For Class 54 Rating, Add</i>	348.28	
			<i>For Class 55 Rating, Add</i>	523.38	
			<i>For Class 56 Rating, Add</i>	696.23	
40 05 19 00-0168	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,329.37	604.76
			<i>For Class 52 Rating, Deduct</i>	-265.44	
			<i>For Class 54 Rating, Add</i>	372.95	
			<i>For Class 55 Rating, Add</i>	560.10	
			<i>For Class 56 Rating, Add</i>	744.84	
40 05 19 00-0169	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,499.75	608.96
			<i>For Class 52 Rating, Deduct</i>	-283.48	
			<i>For Class 54 Rating, Add</i>	397.63	
			<i>For Class 55 Rating, Add</i>	596.83	
			<i>For Class 56 Rating, Add</i>	793.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,670.14	613.16
<i>For Class 52 Rating, Deduct</i>	-301.52	
<i>For Class 54 Rating, Add</i>	422.31	
<i>For Class 55 Rating, Add</i>	633.56	
<i>For Class 56 Rating, Add</i>	842.07	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,840.50	617.36
<i>For Class 52 Rating, Deduct</i>	-319.56	
<i>For Class 54 Rating, Add</i>	446.99	
<i>For Class 55 Rating, Add</i>	670.29	
<i>For Class 56 Rating, Add</i>	890.68	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,010.88	621.57
<i>For Class 52 Rating, Deduct</i>	-337.60	
<i>For Class 54 Rating, Add</i>	471.67	
<i>For Class 55 Rating, Add</i>	707.02	
<i>For Class 56 Rating, Add</i>	939.30	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,181.27	625.76
<i>For Class 52 Rating, Deduct</i>	-355.65	
<i>For Class 54 Rating, Add</i>	496.35	
<i>For Class 55 Rating, Add</i>	743.75	
<i>For Class 56 Rating, Add</i>	987.91	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.64	629.96
<i>For Class 52 Rating, Deduct</i>	-373.69	
<i>For Class 54 Rating, Add</i>	521.03	
<i>For Class 55 Rating, Add</i>	780.47	
<i>For Class 56 Rating, Add</i>	1,036.52	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,522.02	634.16
<i>For Class 52 Rating, Deduct</i>	-391.73	
<i>For Class 54 Rating, Add</i>	545.71	
<i>For Class 55 Rating, Add</i>	817.20	
<i>For Class 56 Rating, Add</i>	1,085.14	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,692.40	638.36
<i>For Class 52 Rating, Deduct</i>	-409.77	
<i>For Class 54 Rating, Add</i>	570.39	
<i>For Class 55 Rating, Add</i>	853.93	
<i>For Class 56 Rating, Add</i>	1,133.75	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,862.78	642.56
<i>For Class 52 Rating, Deduct</i>	-427.81	
<i>For Class 54 Rating, Add</i>	595.06	
<i>For Class 55 Rating, Add</i>	890.66	
<i>For Class 56 Rating, Add</i>	1,182.37	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,033.16	646.76
<i>For Class 52 Rating, Deduct</i>	-445.86	
<i>For Class 54 Rating, Add</i>	619.74	
<i>For Class 55 Rating, Add</i>	927.39	
<i>For Class 56 Rating, Add</i>	1,230.98	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,203.54	650.96
<i>For Class 52 Rating, Deduct</i>	-463.90	
<i>For Class 54 Rating, Add</i>	644.42	
<i>For Class 55 Rating, Add</i>	964.12	
<i>For Class 56 Rating, Add</i>	1,279.59	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,373.92	655.16
<i>For Class 52 Rating, Deduct</i>	-481.94	
<i>For Class 54 Rating, Add</i>	669.10	
<i>For Class 55 Rating, Add</i>	1,000.84	
<i>For Class 56 Rating, Add</i>	1,328.21	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,544.30	659.35
<i>For Class 52 Rating, Deduct</i>	-499.98	
<i>For Class 54 Rating, Add</i>	693.78	
<i>For Class 55 Rating, Add</i>	1,037.57	
<i>For Class 56 Rating, Add</i>	1,376.82	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,714.68	663.56
<i>For Class 52 Rating, Deduct</i>	-518.02	
<i>For Class 54 Rating, Add</i>	718.46	
<i>For Class 55 Rating, Add</i>	1,074.30	
<i>For Class 56 Rating, Add</i>	1,425.43	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,885.06	667.76
<i>For Class 52 Rating, Deduct</i>	-536.06	
<i>For Class 54 Rating, Add</i>	743.14	
<i>For Class 55 Rating, Add</i>	1,111.03	
<i>For Class 56 Rating, Add</i>	1,474.05	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,055.45	671.96
<i>For Class 52 Rating, Deduct</i>	-554.11	
<i>For Class 54 Rating, Add</i>	767.82	
<i>For Class 55 Rating, Add</i>	1,147.76	
<i>For Class 56 Rating, Add</i>	1,522.66	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,225.82	676.16
<i>For Class 52 Rating, Deduct</i>	-572.15	
<i>For Class 54 Rating, Add</i>	792.49	
<i>For Class 55 Rating, Add</i>	1,184.49	
<i>For Class 56 Rating, Add</i>	1,571.28	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,396.20	680.36
<i>For Class 52 Rating, Deduct</i>	-590.19	
<i>For Class 54 Rating, Add</i>	817.17	
<i>For Class 55 Rating, Add</i>	1,221.22	
<i>For Class 56 Rating, Add</i>	1,619.89	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,566.58	684.56
			<i>For Class 52 Rating, Deduct</i>	-608.23	
			<i>For Class 54 Rating, Add</i>	841.85	
			<i>For Class 55 Rating, Add</i>	1,257.94	
			<i>For Class 56 Rating, Add</i>	1,668.50	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,736.96	688.75
			<i>For Class 52 Rating, Deduct</i>	-626.27	
			<i>For Class 54 Rating, Add</i>	866.53	
			<i>For Class 55 Rating, Add</i>	1,294.67	
			<i>For Class 56 Rating, Add</i>	1,717.12	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,907.34	692.96
			<i>For Class 52 Rating, Deduct</i>	-644.32	
			<i>For Class 54 Rating, Add</i>	891.21	
			<i>For Class 55 Rating, Add</i>	1,331.40	
			<i>For Class 56 Rating, Add</i>	1,765.73	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,077.72	697.15
			<i>For Class 52 Rating, Deduct</i>	-662.36	
			<i>For Class 54 Rating, Add</i>	915.89	
			<i>For Class 55 Rating, Add</i>	1,368.13	
			<i>For Class 56 Rating, Add</i>	1,814.35	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,248.10	701.36
			<i>For Class 52 Rating, Deduct</i>	-680.40	
			<i>For Class 54 Rating, Add</i>	940.57	
			<i>For Class 55 Rating, Add</i>	1,404.86	
			<i>For Class 56 Rating, Add</i>	1,862.96	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,418.48	705.55
			<i>For Class 52 Rating, Deduct</i>	-698.44	
			<i>For Class 54 Rating, Add</i>	965.25	
			<i>For Class 55 Rating, Add</i>	1,441.59	
			<i>For Class 56 Rating, Add</i>	1,911.58	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,588.86	709.76
			<i>For Class 52 Rating, Deduct</i>	-716.48	
			<i>For Class 54 Rating, Add</i>	989.93	
			<i>For Class 55 Rating, Add</i>	1,478.31	
			<i>For Class 56 Rating, Add</i>	1,960.19	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,759.24	713.96
			<i>For Class 52 Rating, Deduct</i>	-734.52	
			<i>For Class 54 Rating, Add</i>	1,014.60	
			<i>For Class 55 Rating, Add</i>	1,515.04	
			<i>For Class 56 Rating, Add</i>	2,008.80	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,929.62	718.15
			<i>For Class 52 Rating, Deduct</i>	-752.57	
			<i>For Class 54 Rating, Add</i>	1,039.28	
			<i>For Class 55 Rating, Add</i>	1,551.77	
			<i>For Class 56 Rating, Add</i>	2,057.42	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,100.00	722.36
			<i>For Class 52 Rating, Deduct</i>	-770.61	
			<i>For Class 54 Rating, Add</i>	1,063.96	
			<i>For Class 55 Rating, Add</i>	1,588.50	
			<i>For Class 56 Rating, Add</i>	2,106.03	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,270.38	726.55
			<i>For Class 52 Rating, Deduct</i>	-788.65	
			<i>For Class 54 Rating, Add</i>	1,088.64	
			<i>For Class 55 Rating, Add</i>	1,625.23	
			<i>For Class 56 Rating, Add</i>	2,154.64	
40 05 19 00-0198	EA		12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,440.76	730.76
			<i>For Class 52 Rating, Deduct</i>	-806.69	
			<i>For Class 54 Rating, Add</i>	1,113.32	
			<i>For Class 55 Rating, Add</i>	1,661.96	
			<i>For Class 56 Rating, Add</i>	2,203.26	
40 05 19 00-0199	EA		12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,611.14	734.95
			<i>For Class 52 Rating, Deduct</i>	-824.73	
			<i>For Class 54 Rating, Add</i>	1,138.00	
			<i>For Class 55 Rating, Add</i>	1,698.68	
			<i>For Class 56 Rating, Add</i>	2,251.87	
40 05 19 00-0200	EA		12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,781.52	739.16
			<i>For Class 52 Rating, Deduct</i>	-842.77	
			<i>For Class 54 Rating, Add</i>	1,162.68	
			<i>For Class 55 Rating, Add</i>	1,735.41	
			<i>For Class 56 Rating, Add</i>	2,300.49	
40 05 19 00-0201	EA		12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,951.89	743.35
			<i>For Class 52 Rating, Deduct</i>	-860.82	
			<i>For Class 54 Rating, Add</i>	1,187.36	
			<i>For Class 55 Rating, Add</i>	1,772.14	
			<i>For Class 56 Rating, Add</i>	2,349.10	
40 05 19 00-0202	EA		12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,122.28	747.55
			<i>For Class 52 Rating, Deduct</i>	-878.86	
			<i>For Class 54 Rating, Add</i>	1,212.03	
			<i>For Class 55 Rating, Add</i>	1,808.87	
			<i>For Class 56 Rating, Add</i>	2,397.71	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,529.27	705.55
<i>For Class 52 Rating, Deduct</i>	-270.63	
<i>For Class 54 Rating, Add</i>	381.87	
<i>For Class 55 Rating, Add</i>	574.29	
<i>For Class 56 Rating, Add</i>	764.26	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,735.60	709.76
<i>For Class 52 Rating, Deduct</i>	-292.62	
<i>For Class 54 Rating, Add</i>	411.94	
<i>For Class 55 Rating, Add</i>	619.04	
<i>For Class 56 Rating, Add</i>	823.48	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,941.93	713.96
<i>For Class 52 Rating, Deduct</i>	-314.62	
<i>For Class 54 Rating, Add</i>	442.01	
<i>For Class 55 Rating, Add</i>	663.78	
<i>For Class 56 Rating, Add</i>	882.70	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,148.25	718.15
<i>For Class 52 Rating, Deduct</i>	-336.62	
<i>For Class 54 Rating, Add</i>	472.08	
<i>For Class 55 Rating, Add</i>	708.53	
<i>For Class 56 Rating, Add</i>	941.91	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,354.59	722.36
<i>For Class 52 Rating, Deduct</i>	-358.61	
<i>For Class 54 Rating, Add</i>	502.15	
<i>For Class 55 Rating, Add</i>	753.27	
<i>For Class 56 Rating, Add</i>	1,001.13	
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,560.91	726.55
<i>For Class 52 Rating, Deduct</i>	-380.61	
<i>For Class 54 Rating, Add</i>	532.22	
<i>For Class 55 Rating, Add</i>	798.02	
<i>For Class 56 Rating, Add</i>	1,060.35	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,767.24	730.76
<i>For Class 52 Rating, Deduct</i>	-402.60	
<i>For Class 54 Rating, Add</i>	562.29	
<i>For Class 55 Rating, Add</i>	842.76	
<i>For Class 56 Rating, Add</i>	1,119.57	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,973.57	734.95
<i>For Class 52 Rating, Deduct</i>	-424.60	
<i>For Class 54 Rating, Add</i>	592.36	
<i>For Class 55 Rating, Add</i>	887.51	
<i>For Class 56 Rating, Add</i>	1,178.79	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,179.90	739.16
<i>For Class 52 Rating, Deduct</i>	-446.60	
<i>For Class 54 Rating, Add</i>	622.43	
<i>For Class 55 Rating, Add</i>	932.25	
<i>For Class 56 Rating, Add</i>	1,238.01	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,386.22	743.35
<i>For Class 52 Rating, Deduct</i>	-468.59	
<i>For Class 54 Rating, Add</i>	652.50	
<i>For Class 55 Rating, Add</i>	977.00	
<i>For Class 56 Rating, Add</i>	1,297.23	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,592.56	747.55
<i>For Class 52 Rating, Deduct</i>	-490.59	
<i>For Class 54 Rating, Add</i>	682.58	
<i>For Class 55 Rating, Add</i>	1,021.74	
<i>For Class 56 Rating, Add</i>	1,356.45	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,798.88	751.75
<i>For Class 52 Rating, Deduct</i>	-512.58	
<i>For Class 54 Rating, Add</i>	712.65	
<i>For Class 55 Rating, Add</i>	1,066.49	
<i>For Class 56 Rating, Add</i>	1,415.66	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,005.21	755.95
<i>For Class 52 Rating, Deduct</i>	-534.58	
<i>For Class 54 Rating, Add</i>	742.72	
<i>For Class 55 Rating, Add</i>	1,111.23	
<i>For Class 56 Rating, Add</i>	1,474.88	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,211.54	760.16
<i>For Class 52 Rating, Deduct</i>	-556.58	
<i>For Class 54 Rating, Add</i>	772.79	
<i>For Class 55 Rating, Add</i>	1,155.98	
<i>For Class 56 Rating, Add</i>	1,534.10	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,417.87	764.35
<i>For Class 52 Rating, Deduct</i>	-578.57	
<i>For Class 54 Rating, Add</i>	802.86	
<i>For Class 55 Rating, Add</i>	1,200.72	
<i>For Class 56 Rating, Add</i>	1,593.32	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,624.20	768.56
<i>For Class 52 Rating, Deduct</i>	-600.57	
<i>For Class 54 Rating, Add</i>	832.93	
<i>For Class 55 Rating, Add</i>	1,245.47	
<i>For Class 56 Rating, Add</i>	1,652.54	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,830.53	772.75
<i>For Class 52 Rating, Deduct</i>	-622.57	
<i>For Class 54 Rating, Add</i>	863.00	
<i>For Class 55 Rating, Add</i>	1,290.21	
<i>For Class 56 Rating, Add</i>	1,711.76	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,036.85	776.95
			<i>For Class 52 Rating, Deduct</i>	-644.56	
			<i>For Class 54 Rating, Add</i>	893.07	
			<i>For Class 55 Rating, Add</i>	1,334.95	
			<i>For Class 56 Rating, Add</i>	1,770.98	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,243.19	781.15
			<i>For Class 52 Rating, Deduct</i>	-666.56	
			<i>For Class 54 Rating, Add</i>	923.15	
			<i>For Class 55 Rating, Add</i>	1,379.70	
			<i>For Class 56 Rating, Add</i>	1,830.20	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,449.51	785.35
			<i>For Class 52 Rating, Deduct</i>	-688.55	
			<i>For Class 54 Rating, Add</i>	953.22	
			<i>For Class 55 Rating, Add</i>	1,424.44	
			<i>For Class 56 Rating, Add</i>	1,889.41	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,655.84	789.55
			<i>For Class 52 Rating, Deduct</i>	-710.55	
			<i>For Class 54 Rating, Add</i>	983.29	
			<i>For Class 55 Rating, Add</i>	1,469.19	
			<i>For Class 56 Rating, Add</i>	1,948.63	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,862.17	793.75
			<i>For Class 52 Rating, Deduct</i>	-732.55	
			<i>For Class 54 Rating, Add</i>	1,013.36	
			<i>For Class 55 Rating, Add</i>	1,513.94	
			<i>For Class 56 Rating, Add</i>	2,007.85	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,068.49	797.95
			<i>For Class 52 Rating, Deduct</i>	-754.54	
			<i>For Class 54 Rating, Add</i>	1,043.43	
			<i>For Class 55 Rating, Add</i>	1,558.68	
			<i>For Class 56 Rating, Add</i>	2,067.07	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,274.82	802.15
			<i>For Class 52 Rating, Deduct</i>	-776.54	
			<i>For Class 54 Rating, Add</i>	1,073.50	
			<i>For Class 55 Rating, Add</i>	1,603.43	
			<i>For Class 56 Rating, Add</i>	2,126.29	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,481.15	806.34
			<i>For Class 52 Rating, Deduct</i>	-798.54	
			<i>For Class 54 Rating, Add</i>	1,103.57	
			<i>For Class 55 Rating, Add</i>	1,648.17	
			<i>For Class 56 Rating, Add</i>	2,185.51	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,687.48	810.55
			<i>For Class 52 Rating, Deduct</i>	-820.53	
			<i>For Class 54 Rating, Add</i>	1,133.64	
			<i>For Class 55 Rating, Add</i>	1,692.92	
			<i>For Class 56 Rating, Add</i>	2,244.73	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,893.80	814.75
			<i>For Class 52 Rating, Deduct</i>	-842.53	
			<i>For Class 54 Rating, Add</i>	1,163.71	
			<i>For Class 55 Rating, Add</i>	1,737.66	
			<i>For Class 56 Rating, Add</i>	2,303.95	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,100.14	818.95
			<i>For Class 52 Rating, Deduct</i>	-864.52	
			<i>For Class 54 Rating, Add</i>	1,193.79	
			<i>For Class 55 Rating, Add</i>	1,782.41	
			<i>For Class 56 Rating, Add</i>	2,363.17	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,306.46	823.15
			<i>For Class 52 Rating, Deduct</i>	-886.52	
			<i>For Class 54 Rating, Add</i>	1,223.86	
			<i>For Class 55 Rating, Add</i>	1,827.15	
			<i>For Class 56 Rating, Add</i>	2,422.38	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,512.79	827.35
			<i>For Class 52 Rating, Deduct</i>	-908.52	
			<i>For Class 54 Rating, Add</i>	1,253.93	
			<i>For Class 55 Rating, Add</i>	1,871.90	
			<i>For Class 56 Rating, Add</i>	2,481.60	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,719.12	831.55
			<i>For Class 52 Rating, Deduct</i>	-930.51	
			<i>For Class 54 Rating, Add</i>	1,284.00	
			<i>For Class 55 Rating, Add</i>	1,916.64	
			<i>For Class 56 Rating, Add</i>	2,540.82	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,925.45	835.74
			<i>For Class 52 Rating, Deduct</i>	-952.51	
			<i>For Class 54 Rating, Add</i>	1,314.07	
			<i>For Class 55 Rating, Add</i>	1,961.39	
			<i>For Class 56 Rating, Add</i>	2,600.04	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,131.77	839.95
			<i>For Class 52 Rating, Deduct</i>	-974.50	
			<i>For Class 54 Rating, Add</i>	1,344.14	
			<i>For Class 55 Rating, Add</i>	2,006.13	
			<i>For Class 56 Rating, Add</i>	2,659.26	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,338.11	844.14
			<i>For Class 52 Rating, Deduct</i>	-996.50	
			<i>For Class 54 Rating, Add</i>	1,374.21	
			<i>For Class 55 Rating, Add</i>	2,050.88	
			<i>For Class 56 Rating, Add</i>	2,718.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238 EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,544.43	848.35
<i>For Class 52 Rating, Deduct</i>	-1,018.50	
<i>For Class 54 Rating, Add</i>	1,404.28	
<i>For Class 55 Rating, Add</i>	2,095.62	
<i>For Class 56 Rating, Add</i>	2,777.70	
40 05 19 00-0239 EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,750.76	852.54
<i>For Class 52 Rating, Deduct</i>	-1,040.49	
<i>For Class 54 Rating, Add</i>	1,434.36	
<i>For Class 55 Rating, Add</i>	2,140.37	
<i>For Class 56 Rating, Add</i>	2,836.92	
40 05 19 00-0240 EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,957.09	856.75
<i>For Class 52 Rating, Deduct</i>	-1,062.49	
<i>For Class 54 Rating, Add</i>	1,464.43	
<i>For Class 55 Rating, Add</i>	2,185.11	
<i>For Class 56 Rating, Add</i>	2,896.13	
40 05 19 00-0241 EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,163.42	860.95
<i>For Class 52 Rating, Deduct</i>	-1,084.49	
<i>For Class 54 Rating, Add</i>	1,494.50	
<i>For Class 55 Rating, Add</i>	2,229.86	
<i>For Class 56 Rating, Add</i>	2,955.35	
40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243 EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.09	806.34
<i>For Class 52 Rating, Deduct</i>	-320.80	
<i>For Class 54 Rating, Add</i>	452.11	
<i>For Class 55 Rating, Add</i>	679.67	
<i>For Class 56 Rating, Add</i>	904.31	
40 05 19 00-0244 EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.11	810.55
<i>For Class 52 Rating, Deduct</i>	-346.50	
<i>For Class 54 Rating, Add</i>	487.24	
<i>For Class 55 Rating, Add</i>	731.93	
<i>For Class 56 Rating, Add</i>	973.46	
40 05 19 00-0245 EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,618.14	814.75
<i>For Class 52 Rating, Deduct</i>	-372.20	
<i>For Class 54 Rating, Add</i>	522.37	
<i>For Class 55 Rating, Add</i>	784.19	
<i>For Class 56 Rating, Add</i>	1,042.63	
40 05 19 00-0246 EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,858.18	818.95
<i>For Class 52 Rating, Deduct</i>	-397.91	
<i>For Class 54 Rating, Add</i>	557.49	
<i>For Class 55 Rating, Add</i>	836.45	
<i>For Class 56 Rating, Add</i>	1,111.79	
40 05 19 00-0247 EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,098.21	823.15
<i>For Class 52 Rating, Deduct</i>	-423.61	
<i>For Class 54 Rating, Add</i>	592.62	
<i>For Class 55 Rating, Add</i>	888.71	
<i>For Class 56 Rating, Add</i>	1,180.95	
40 05 19 00-0248 EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,338.23	827.35
<i>For Class 52 Rating, Deduct</i>	-449.31	
<i>For Class 54 Rating, Add</i>	627.74	
<i>For Class 55 Rating, Add</i>	940.97	
<i>For Class 56 Rating, Add</i>	1,250.11	
40 05 19 00-0249 EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,578.27	831.55
<i>For Class 52 Rating, Deduct</i>	-475.02	
<i>For Class 54 Rating, Add</i>	662.87	
<i>For Class 55 Rating, Add</i>	993.23	
<i>For Class 56 Rating, Add</i>	1,319.27	
40 05 19 00-0250 EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,818.30	835.74
<i>For Class 52 Rating, Deduct</i>	-500.72	
<i>For Class 54 Rating, Add</i>	698.00	
<i>For Class 55 Rating, Add</i>	1,045.49	
<i>For Class 56 Rating, Add</i>	1,388.43	
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,058.32	839.95
<i>For Class 52 Rating, Deduct</i>	-526.42	
<i>For Class 54 Rating, Add</i>	733.12	
<i>For Class 55 Rating, Add</i>	1,097.75	
<i>For Class 56 Rating, Add</i>	1,457.59	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,298.36	844.14
<i>For Class 52 Rating, Deduct</i>	-552.13	
<i>For Class 54 Rating, Add</i>	768.25	
<i>For Class 55 Rating, Add</i>	1,150.01	
<i>For Class 56 Rating, Add</i>	1,526.75	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,538.39	848.35
<i>For Class 52 Rating, Deduct</i>	-577.83	
<i>For Class 54 Rating, Add</i>	803.38	
<i>For Class 55 Rating, Add</i>	1,202.27	
<i>For Class 56 Rating, Add</i>	1,595.91	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,778.42	852.54
<i>For Class 52 Rating, Deduct</i>	-603.54	
<i>For Class 54 Rating, Add</i>	838.50	
<i>For Class 55 Rating, Add</i>	1,254.53	
<i>For Class 56 Rating, Add</i>	1,665.08	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,018.45	856.75
			<i>For Class 52 Rating, Deduct</i>	-629.24	
			<i>For Class 54 Rating, Add</i>	873.63	
			<i>For Class 55 Rating, Add</i>	1,306.79	
			<i>For Class 56 Rating, Add</i>	1,734.23	
40 05 19 00-0256	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,258.48	860.95
			<i>For Class 52 Rating, Deduct</i>	-654.94	
			<i>For Class 54 Rating, Add</i>	908.76	
			<i>For Class 55 Rating, Add</i>	1,359.05	
			<i>For Class 56 Rating, Add</i>	1,803.40	
40 05 19 00-0257	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,498.52	865.14
			<i>For Class 52 Rating, Deduct</i>	-680.65	
			<i>For Class 54 Rating, Add</i>	943.88	
			<i>For Class 55 Rating, Add</i>	1,411.31	
			<i>For Class 56 Rating, Add</i>	1,872.56	
40 05 19 00-0258	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,738.54	869.35
			<i>For Class 52 Rating, Deduct</i>	-706.35	
			<i>For Class 54 Rating, Add</i>	979.01	
			<i>For Class 55 Rating, Add</i>	1,463.57	
			<i>For Class 56 Rating, Add</i>	1,941.72	
40 05 19 00-0259	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,978.57	873.54
			<i>For Class 52 Rating, Deduct</i>	-732.05	
			<i>For Class 54 Rating, Add</i>	1,014.14	
			<i>For Class 55 Rating, Add</i>	1,515.83	
			<i>For Class 56 Rating, Add</i>	2,010.88	
40 05 19 00-0260	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,218.61	877.75
			<i>For Class 52 Rating, Deduct</i>	-757.76	
			<i>For Class 54 Rating, Add</i>	1,049.26	
			<i>For Class 55 Rating, Add</i>	1,568.10	
			<i>For Class 56 Rating, Add</i>	2,080.04	
40 05 19 00-0261	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,458.64	881.94
			<i>For Class 52 Rating, Deduct</i>	-783.46	
			<i>For Class 54 Rating, Add</i>	1,084.39	
			<i>For Class 55 Rating, Add</i>	1,620.36	
			<i>For Class 56 Rating, Add</i>	2,149.20	
40 05 19 00-0262	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,698.66	886.15
			<i>For Class 52 Rating, Deduct</i>	-809.16	
			<i>For Class 54 Rating, Add</i>	1,119.51	
			<i>For Class 55 Rating, Add</i>	1,672.62	
			<i>For Class 56 Rating, Add</i>	2,218.36	
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,938.70	890.34
			<i>For Class 52 Rating, Deduct</i>	-834.87	
			<i>For Class 54 Rating, Add</i>	1,154.64	
			<i>For Class 55 Rating, Add</i>	1,724.88	
			<i>For Class 56 Rating, Add</i>	2,287.52	
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,178.73	894.54
			<i>For Class 52 Rating, Deduct</i>	-860.57	
			<i>For Class 54 Rating, Add</i>	1,189.77	
			<i>For Class 55 Rating, Add</i>	1,777.14	
			<i>For Class 56 Rating, Add</i>	2,356.68	
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,418.75	898.74
			<i>For Class 52 Rating, Deduct</i>	-886.27	
			<i>For Class 54 Rating, Add</i>	1,224.89	
			<i>For Class 55 Rating, Add</i>	1,829.40	
			<i>For Class 56 Rating, Add</i>	2,425.84	
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,658.79	902.94
			<i>For Class 52 Rating, Deduct</i>	-911.98	
			<i>For Class 54 Rating, Add</i>	1,260.02	
			<i>For Class 55 Rating, Add</i>	1,881.66	
			<i>For Class 56 Rating, Add</i>	2,495.01	
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,898.82	907.15
			<i>For Class 52 Rating, Deduct</i>	-937.68	
			<i>For Class 54 Rating, Add</i>	1,295.15	
			<i>For Class 55 Rating, Add</i>	1,933.92	
			<i>For Class 56 Rating, Add</i>	2,564.17	
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,138.85	911.34
			<i>For Class 52 Rating, Deduct</i>	-963.38	
			<i>For Class 54 Rating, Add</i>	1,330.27	
			<i>For Class 55 Rating, Add</i>	1,986.18	
			<i>For Class 56 Rating, Add</i>	2,633.33	
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,378.88	915.55
			<i>For Class 52 Rating, Deduct</i>	-989.09	
			<i>For Class 54 Rating, Add</i>	1,365.40	
			<i>For Class 55 Rating, Add</i>	2,038.44	
			<i>For Class 56 Rating, Add</i>	2,702.49	
40 05 19 00-0270	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,618.91	919.74
			<i>For Class 52 Rating, Deduct</i>	-1,014.79	
			<i>For Class 54 Rating, Add</i>	1,400.53	
			<i>For Class 55 Rating, Add</i>	2,090.70	
			<i>For Class 56 Rating, Add</i>	2,771.65	
40 05 19 00-0271	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,858.94	923.94
			<i>For Class 52 Rating, Deduct</i>	-1,040.49	
			<i>For Class 54 Rating, Add</i>	1,435.65	
			<i>For Class 55 Rating, Add</i>	2,142.96	
			<i>For Class 56 Rating, Add</i>	2,840.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272 EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,098.98	928.14
<i>For Class 52 Rating, Deduct</i>	-1,066.20	
<i>For Class 54 Rating, Add</i>	1,470.78	
<i>For Class 55 Rating, Add</i>	2,195.22	
<i>For Class 56 Rating, Add</i>	2,909.97	
40 05 19 00-0273 EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,339.00	932.34
<i>For Class 52 Rating, Deduct</i>	-1,091.90	
<i>For Class 54 Rating, Add</i>	1,505.91	
<i>For Class 55 Rating, Add</i>	2,247.48	
<i>For Class 56 Rating, Add</i>	2,979.13	
40 05 19 00-0274 EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,579.03	936.54
<i>For Class 52 Rating, Deduct</i>	-1,117.60	
<i>For Class 54 Rating, Add</i>	1,541.03	
<i>For Class 55 Rating, Add</i>	2,299.74	
<i>For Class 56 Rating, Add</i>	3,048.29	
40 05 19 00-0275 EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,819.07	940.74
<i>For Class 52 Rating, Deduct</i>	-1,143.31	
<i>For Class 54 Rating, Add</i>	1,576.16	
<i>For Class 55 Rating, Add</i>	2,352.00	
<i>For Class 56 Rating, Add</i>	3,117.45	
40 05 19 00-0276 EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,059.09	944.94
<i>For Class 52 Rating, Deduct</i>	-1,169.01	
<i>For Class 54 Rating, Add</i>	1,611.28	
<i>For Class 55 Rating, Add</i>	2,404.26	
<i>For Class 56 Rating, Add</i>	3,186.61	
40 05 19 00-0277 EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,299.12	949.14
<i>For Class 52 Rating, Deduct</i>	-1,194.71	
<i>For Class 54 Rating, Add</i>	1,646.41	
<i>For Class 55 Rating, Add</i>	2,456.52	
<i>For Class 56 Rating, Add</i>	3,255.78	
40 05 19 00-0278 EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,539.16	953.34
<i>For Class 52 Rating, Deduct</i>	-1,220.42	
<i>For Class 54 Rating, Add</i>	1,681.54	
<i>For Class 55 Rating, Add</i>	2,508.79	
<i>For Class 56 Rating, Add</i>	3,324.94	
40 05 19 00-0279 EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,779.19	957.54
<i>For Class 52 Rating, Deduct</i>	-1,246.12	
<i>For Class 54 Rating, Add</i>	1,716.67	
<i>For Class 55 Rating, Add</i>	2,561.05	
<i>For Class 56 Rating, Add</i>	3,394.10	
40 05 19 00-0280 EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,019.22	961.74
<i>For Class 52 Rating, Deduct</i>	-1,271.82	
<i>For Class 54 Rating, Add</i>	1,751.79	
<i>For Class 55 Rating, Add</i>	2,613.31	
<i>For Class 56 Rating, Add</i>	3,463.26	
40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282 EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,814.60	908.82
<i>For Class 52 Rating, Deduct</i>	-378.14	
<i>For Class 54 Rating, Add</i>	532.16	
<i>For Class 55 Rating, Add</i>	799.63	
<i>For Class 56 Rating, Add</i>	1,063.66	
40 05 19 00-0283 EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,090.58	913.03
<i>For Class 52 Rating, Deduct</i>	-407.79	
<i>For Class 54 Rating, Add</i>	572.68	
<i>For Class 55 Rating, Add</i>	859.91	
<i>For Class 56 Rating, Add</i>	1,143.43	
40 05 19 00-0284 EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,366.57	917.22
<i>For Class 52 Rating, Deduct</i>	-437.45	
<i>For Class 54 Rating, Add</i>	613.20	
<i>For Class 55 Rating, Add</i>	920.19	
<i>For Class 56 Rating, Add</i>	1,223.20	
40 05 19 00-0285 EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,642.54	921.43
<i>For Class 52 Rating, Deduct</i>	-467.11	
<i>For Class 54 Rating, Add</i>	653.72	
<i>For Class 55 Rating, Add</i>	980.46	
<i>For Class 56 Rating, Add</i>	1,302.96	
40 05 19 00-0286 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,918.53	925.62
<i>For Class 52 Rating, Deduct</i>	-496.77	
<i>For Class 54 Rating, Add</i>	694.24	
<i>For Class 55 Rating, Add</i>	1,040.74	
<i>For Class 56 Rating, Add</i>	1,382.73	
40 05 19 00-0287 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,194.50	929.82
<i>For Class 52 Rating, Deduct</i>	-526.42	
<i>For Class 54 Rating, Add</i>	734.76	
<i>For Class 55 Rating, Add</i>	1,101.02	
<i>For Class 56 Rating, Add</i>	1,462.49	
40 05 19 00-0288 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,470.48	934.02
<i>For Class 52 Rating, Deduct</i>	-556.08	
<i>For Class 54 Rating, Add</i>	775.28	
<i>For Class 55 Rating, Add</i>	1,161.30	
<i>For Class 56 Rating, Add</i>	1,542.26	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,746.47	938.22
			<i>For Class 52 Rating, Deduct</i>	-585.74	
			<i>For Class 54 Rating, Add</i>	815.80	
			<i>For Class 55 Rating, Add</i>	1,221.57	
			<i>For Class 56 Rating, Add</i>	1,622.03	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,022.44	942.42
			<i>For Class 52 Rating, Deduct</i>	-615.40	
			<i>For Class 54 Rating, Add</i>	856.31	
			<i>For Class 55 Rating, Add</i>	1,281.85	
			<i>For Class 56 Rating, Add</i>	1,701.79	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,298.42	946.62
			<i>For Class 52 Rating, Deduct</i>	-645.06	
			<i>For Class 54 Rating, Add</i>	896.83	
			<i>For Class 55 Rating, Add</i>	1,342.13	
			<i>For Class 56 Rating, Add</i>	1,781.56	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,574.40	950.82
			<i>For Class 52 Rating, Deduct</i>	-674.71	
			<i>For Class 54 Rating, Add</i>	937.35	
			<i>For Class 55 Rating, Add</i>	1,402.40	
			<i>For Class 56 Rating, Add</i>	1,861.32	
40 05 19 00-0293	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,850.38	955.02
			<i>For Class 52 Rating, Deduct</i>	-704.37	
			<i>For Class 54 Rating, Add</i>	977.87	
			<i>For Class 55 Rating, Add</i>	1,462.68	
			<i>For Class 56 Rating, Add</i>	1,941.09	
40 05 19 00-0294	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,126.36	959.22
			<i>For Class 52 Rating, Deduct</i>	-734.03	
			<i>For Class 54 Rating, Add</i>	1,018.39	
			<i>For Class 55 Rating, Add</i>	1,522.96	
			<i>For Class 56 Rating, Add</i>	2,020.86	
40 05 19 00-0295	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,402.34	963.42
			<i>For Class 52 Rating, Deduct</i>	-763.69	
			<i>For Class 54 Rating, Add</i>	1,058.91	
			<i>For Class 55 Rating, Add</i>	1,583.24	
			<i>For Class 56 Rating, Add</i>	2,100.62	
40 05 19 00-0296	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,678.32	967.62
			<i>For Class 52 Rating, Deduct</i>	-793.35	
			<i>For Class 54 Rating, Add</i>	1,099.43	
			<i>For Class 55 Rating, Add</i>	1,643.51	
			<i>For Class 56 Rating, Add</i>	2,180.39	
40 05 19 00-0297	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,954.29	971.82
			<i>For Class 52 Rating, Deduct</i>	-823.00	
			<i>For Class 54 Rating, Add</i>	1,139.95	
			<i>For Class 55 Rating, Add</i>	1,703.79	
			<i>For Class 56 Rating, Add</i>	2,260.15	
40 05 19 00-0298	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,230.28	976.02
			<i>For Class 52 Rating, Deduct</i>	-852.66	
			<i>For Class 54 Rating, Add</i>	1,180.46	
			<i>For Class 55 Rating, Add</i>	1,764.07	
			<i>For Class 56 Rating, Add</i>	2,339.92	
40 05 19 00-0299	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,506.26	980.22
			<i>For Class 52 Rating, Deduct</i>	-882.32	
			<i>For Class 54 Rating, Add</i>	1,220.98	
			<i>For Class 55 Rating, Add</i>	1,824.35	
			<i>For Class 56 Rating, Add</i>	2,419.69	
40 05 19 00-0300	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,782.23	984.42
			<i>For Class 52 Rating, Deduct</i>	-911.98	
			<i>For Class 54 Rating, Add</i>	1,261.50	
			<i>For Class 55 Rating, Add</i>	1,884.62	
			<i>For Class 56 Rating, Add</i>	2,499.45	
40 05 19 00-0301	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,058.22	988.61
			<i>For Class 52 Rating, Deduct</i>	-941.63	
			<i>For Class 54 Rating, Add</i>	1,302.02	
			<i>For Class 55 Rating, Add</i>	1,944.90	
			<i>For Class 56 Rating, Add</i>	2,579.22	
40 05 19 00-0302	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,334.19	992.82
			<i>For Class 52 Rating, Deduct</i>	-971.29	
			<i>For Class 54 Rating, Add</i>	1,342.54	
			<i>For Class 55 Rating, Add</i>	2,005.17	
			<i>For Class 56 Rating, Add</i>	2,658.98	
40 05 19 00-0303	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,610.17	997.01
			<i>For Class 52 Rating, Deduct</i>	-1,000.95	
			<i>For Class 54 Rating, Add</i>	1,383.06	
			<i>For Class 55 Rating, Add</i>	2,065.45	
			<i>For Class 56 Rating, Add</i>	2,738.75	
40 05 19 00-0304	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,886.16	1,001.22
			<i>For Class 52 Rating, Deduct</i>	-1,030.61	
			<i>For Class 54 Rating, Add</i>	1,423.58	
			<i>For Class 55 Rating, Add</i>	2,125.73	
			<i>For Class 56 Rating, Add</i>	2,818.51	
40 05 19 00-0305	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,162.13	1,005.41
			<i>For Class 52 Rating, Deduct</i>	-1,060.26	
			<i>For Class 54 Rating, Add</i>	1,464.10	
			<i>For Class 55 Rating, Add</i>	2,186.01	
			<i>For Class 56 Rating, Add</i>	2,898.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,438.11	1,009.62
<i>For Class 52 Rating, Deduct</i>	-1,089.92	
<i>For Class 54 Rating, Add</i>	1,504.62	
<i>For Class 55 Rating, Add</i>	2,246.28	
<i>For Class 56 Rating, Add</i>	2,978.04	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,714.09	1,013.82
<i>For Class 52 Rating, Deduct</i>	-1,119.58	
<i>For Class 54 Rating, Add</i>	1,545.13	
<i>For Class 55 Rating, Add</i>	2,306.56	
<i>For Class 56 Rating, Add</i>	3,057.81	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,990.07	1,018.01
<i>For Class 52 Rating, Deduct</i>	-1,149.24	
<i>For Class 54 Rating, Add</i>	1,585.65	
<i>For Class 55 Rating, Add</i>	2,366.84	
<i>For Class 56 Rating, Add</i>	3,137.58	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,266.05	1,022.22
<i>For Class 52 Rating, Deduct</i>	-1,178.90	
<i>For Class 54 Rating, Add</i>	1,626.17	
<i>For Class 55 Rating, Add</i>	2,427.12	
<i>For Class 56 Rating, Add</i>	3,217.34	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,542.03	1,026.41
<i>For Class 52 Rating, Deduct</i>	-1,208.55	
<i>For Class 54 Rating, Add</i>	1,666.69	
<i>For Class 55 Rating, Add</i>	2,487.39	
<i>For Class 56 Rating, Add</i>	3,297.11	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,818.01	1,030.62
<i>For Class 52 Rating, Deduct</i>	-1,238.21	
<i>For Class 54 Rating, Add</i>	1,707.21	
<i>For Class 55 Rating, Add</i>	2,547.67	
<i>For Class 56 Rating, Add</i>	3,376.87	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,093.99	1,034.81
<i>For Class 52 Rating, Deduct</i>	-1,267.87	
<i>For Class 54 Rating, Add</i>	1,747.73	
<i>For Class 55 Rating, Add</i>	2,607.95	
<i>For Class 56 Rating, Add</i>	3,456.64	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,369.96	1,039.02
<i>For Class 52 Rating, Deduct</i>	-1,297.53	
<i>For Class 54 Rating, Add</i>	1,788.25	
<i>For Class 55 Rating, Add</i>	2,668.22	
<i>For Class 56 Rating, Add</i>	3,536.40	
40 05 19 00-0314 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,645.94	1,043.21
<i>For Class 52 Rating, Deduct</i>	-1,327.19	
<i>For Class 54 Rating, Add</i>	1,828.77	
<i>For Class 55 Rating, Add</i>	2,728.50	
<i>For Class 56 Rating, Add</i>	3,616.17	
40 05 19 00-0315 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,921.92	1,047.41
<i>For Class 52 Rating, Deduct</i>	-1,356.84	
<i>For Class 54 Rating, Add</i>	1,869.28	
<i>For Class 55 Rating, Add</i>	2,788.78	
<i>For Class 56 Rating, Add</i>	3,695.94	
40 05 19 00-0316 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,197.90	1,051.61
<i>For Class 52 Rating, Deduct</i>	-1,386.50	
<i>For Class 54 Rating, Add</i>	1,909.80	
<i>For Class 55 Rating, Add</i>	2,849.06	
<i>For Class 56 Rating, Add</i>	3,775.70	
40 05 19 00-0317 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,473.87	1,055.81
<i>For Class 52 Rating, Deduct</i>	-1,416.16	
<i>For Class 54 Rating, Add</i>	1,950.32	
<i>For Class 55 Rating, Add</i>	2,909.33	
<i>For Class 56 Rating, Add</i>	3,855.47	
40 05 19 00-0318 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,749.86	1,060.02
<i>For Class 52 Rating, Deduct</i>	-1,445.82	
<i>For Class 54 Rating, Add</i>	1,990.84	
<i>For Class 55 Rating, Add</i>	2,969.61	
<i>For Class 56 Rating, Add</i>	3,935.23	
40 05 19 00-0319 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,025.84	1,064.21
<i>For Class 52 Rating, Deduct</i>	-1,475.47	
<i>For Class 54 Rating, Add</i>	2,031.36	
<i>For Class 55 Rating, Add</i>	3,029.89	
<i>For Class 56 Rating, Add</i>	4,015.00	
40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,636.18	1,037.33
<i>For Class 52 Rating, Deduct</i>	-447.09	
<i>For Class 54 Rating, Add</i>	628.53	
<i>For Class 55 Rating, Add</i>	944.10	
<i>For Class 56 Rating, Add</i>	1,255.60	
40 05 19 00-0322 EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,952.60	1,041.53
<i>For Class 52 Rating, Deduct</i>	-481.20	
<i>For Class 54 Rating, Add</i>	675.11	
<i>For Class 55 Rating, Add</i>	1,013.39	
<i>For Class 56 Rating, Add</i>	1,347.29	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,269.02	1,045.74
			<i>For Class 52 Rating, Deduct</i>	-515.30	
			<i>For Class 54 Rating, Add</i>	721.70	
			<i>For Class 55 Rating, Add</i>	1,082.69	
			<i>For Class 56 Rating, Add</i>	1,438.99	
40 05 19 00-0324	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,585.45	1,049.93
			<i>For Class 52 Rating, Deduct</i>	-549.41	
			<i>For Class 54 Rating, Add</i>	768.29	
			<i>For Class 55 Rating, Add</i>	1,151.98	
			<i>For Class 56 Rating, Add</i>	1,530.69	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,901.86	1,054.14
			<i>For Class 52 Rating, Deduct</i>	-583.52	
			<i>For Class 54 Rating, Add</i>	814.87	
			<i>For Class 55 Rating, Add</i>	1,221.28	
			<i>For Class 56 Rating, Add</i>	1,622.38	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,218.28	1,058.33
			<i>For Class 52 Rating, Deduct</i>	-617.62	
			<i>For Class 54 Rating, Add</i>	861.45	
			<i>For Class 55 Rating, Add</i>	1,290.57	
			<i>For Class 56 Rating, Add</i>	1,714.08	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,534.71	1,062.54
			<i>For Class 52 Rating, Deduct</i>	-651.73	
			<i>For Class 54 Rating, Add</i>	908.04	
			<i>For Class 55 Rating, Add</i>	1,359.87	
			<i>For Class 56 Rating, Add</i>	1,805.78	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,851.13	1,066.73
			<i>For Class 52 Rating, Deduct</i>	-685.84	
			<i>For Class 54 Rating, Add</i>	954.63	
			<i>For Class 55 Rating, Add</i>	1,429.17	
			<i>For Class 56 Rating, Add</i>	1,897.47	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,167.56	1,070.93
			<i>For Class 52 Rating, Deduct</i>	-719.94	
			<i>For Class 54 Rating, Add</i>	1,001.21	
			<i>For Class 55 Rating, Add</i>	1,498.46	
			<i>For Class 56 Rating, Add</i>	1,989.17	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,483.98	1,075.13
			<i>For Class 52 Rating, Deduct</i>	-754.05	
			<i>For Class 54 Rating, Add</i>	1,047.80	
			<i>For Class 55 Rating, Add</i>	1,567.76	
			<i>For Class 56 Rating, Add</i>	2,080.87	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,800.40	1,079.33
			<i>For Class 52 Rating, Deduct</i>	-788.16	
			<i>For Class 54 Rating, Add</i>	1,094.38	
			<i>For Class 55 Rating, Add</i>	1,637.05	
			<i>For Class 56 Rating, Add</i>	2,172.56	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,116.82	1,083.53
			<i>For Class 52 Rating, Deduct</i>	-822.26	
			<i>For Class 54 Rating, Add</i>	1,140.97	
			<i>For Class 55 Rating, Add</i>	1,706.35	
			<i>For Class 56 Rating, Add</i>	2,264.26	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,433.24	1,087.73
			<i>For Class 52 Rating, Deduct</i>	-866.37	
			<i>For Class 54 Rating, Add</i>	1,187.55	
			<i>For Class 55 Rating, Add</i>	1,775.64	
			<i>For Class 56 Rating, Add</i>	2,355.95	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,749.66	1,091.94
			<i>For Class 52 Rating, Deduct</i>	-890.47	
			<i>For Class 54 Rating, Add</i>	1,234.14	
			<i>For Class 55 Rating, Add</i>	1,844.94	
			<i>For Class 56 Rating, Add</i>	2,447.65	
40 05 19 00-0335	EA		20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,066.09	1,096.13
			<i>For Class 52 Rating, Deduct</i>	-924.58	
			<i>For Class 54 Rating, Add</i>	1,280.72	
			<i>For Class 55 Rating, Add</i>	1,914.24	
			<i>For Class 56 Rating, Add</i>	2,539.35	
40 05 19 00-0336	EA		20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,382.51	1,100.33
			<i>For Class 52 Rating, Deduct</i>	-958.69	
			<i>For Class 54 Rating, Add</i>	1,327.31	
			<i>For Class 55 Rating, Add</i>	1,983.53	
			<i>For Class 56 Rating, Add</i>	2,631.04	
40 05 19 00-0337	EA		20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,698.93	1,104.53
			<i>For Class 52 Rating, Deduct</i>	-992.79	
			<i>For Class 54 Rating, Add</i>	1,373.89	
			<i>For Class 55 Rating, Add</i>	2,052.83	
			<i>For Class 56 Rating, Add</i>	2,722.74	
40 05 19 00-0338	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,015.35	1,108.73
			<i>For Class 52 Rating, Deduct</i>	-1,026.90	
			<i>For Class 54 Rating, Add</i>	1,420.48	
			<i>For Class 55 Rating, Add</i>	2,122.12	
			<i>For Class 56 Rating, Add</i>	2,814.43	
40 05 19 00-0339	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,331.77	1,112.93
			<i>For Class 52 Rating, Deduct</i>	-1,061.01	
			<i>For Class 54 Rating, Add</i>	1,467.06	
			<i>For Class 55 Rating, Add</i>	2,191.42	
			<i>For Class 56 Rating, Add</i>	2,906.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,648.19	1,117.13
<i>For Class 52 Rating, Deduct</i>	-1,095.11	
<i>For Class 54 Rating, Add</i>	1,513.65	
<i>For Class 55 Rating, Add</i>	2,260.71	
<i>For Class 56 Rating, Add</i>	2,997.83	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,964.62	1,121.33
<i>For Class 52 Rating, Deduct</i>	-1,129.22	
<i>For Class 54 Rating, Add</i>	1,560.23	
<i>For Class 55 Rating, Add</i>	2,330.01	
<i>For Class 56 Rating, Add</i>	3,089.52	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,281.04	1,125.53
<i>For Class 52 Rating, Deduct</i>	-1,163.33	
<i>For Class 54 Rating, Add</i>	1,606.82	
<i>For Class 55 Rating, Add</i>	2,399.31	
<i>For Class 56 Rating, Add</i>	3,181.22	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,597.46	1,129.72
<i>For Class 52 Rating, Deduct</i>	-1,197.43	
<i>For Class 54 Rating, Add</i>	1,653.40	
<i>For Class 55 Rating, Add</i>	2,468.60	
<i>For Class 56 Rating, Add</i>	3,272.92	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,913.88	1,133.93
<i>For Class 52 Rating, Deduct</i>	-1,231.54	
<i>For Class 54 Rating, Add</i>	1,699.99	
<i>For Class 55 Rating, Add</i>	2,537.90	
<i>For Class 56 Rating, Add</i>	3,364.61	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,230.30	1,138.12
<i>For Class 52 Rating, Deduct</i>	-1,265.64	
<i>For Class 54 Rating, Add</i>	1,746.57	
<i>For Class 55 Rating, Add</i>	2,607.19	
<i>For Class 56 Rating, Add</i>	3,456.31	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,546.72	1,142.33
<i>For Class 52 Rating, Deduct</i>	-1,299.75	
<i>For Class 54 Rating, Add</i>	1,793.16	
<i>For Class 55 Rating, Add</i>	2,676.49	
<i>For Class 56 Rating, Add</i>	3,548.01	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,863.14	1,146.53
<i>For Class 52 Rating, Deduct</i>	-1,333.86	
<i>For Class 54 Rating, Add</i>	1,839.74	
<i>For Class 55 Rating, Add</i>	2,745.79	
<i>For Class 56 Rating, Add</i>	3,639.70	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,179.56	1,150.73
<i>For Class 52 Rating, Deduct</i>	-1,367.96	
<i>For Class 54 Rating, Add</i>	1,886.33	
<i>For Class 55 Rating, Add</i>	2,815.08	
<i>For Class 56 Rating, Add</i>	3,731.40	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,495.98	1,154.93
<i>For Class 52 Rating, Deduct</i>	-1,402.07	
<i>For Class 54 Rating, Add</i>	1,932.91	
<i>For Class 55 Rating, Add</i>	2,884.38	
<i>For Class 56 Rating, Add</i>	3,823.10	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,812.40	1,159.12
<i>For Class 52 Rating, Deduct</i>	-1,436.18	
<i>For Class 54 Rating, Add</i>	1,979.50	
<i>For Class 55 Rating, Add</i>	2,953.67	
<i>For Class 56 Rating, Add</i>	3,914.79	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,128.82	1,163.33
<i>For Class 52 Rating, Deduct</i>	-1,470.28	
<i>For Class 54 Rating, Add</i>	2,026.08	
<i>For Class 55 Rating, Add</i>	3,022.97	
<i>For Class 56 Rating, Add</i>	4,006.49	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,445.25	1,167.52
<i>For Class 52 Rating, Deduct</i>	-1,504.39	
<i>For Class 54 Rating, Add</i>	2,072.67	
<i>For Class 55 Rating, Add</i>	3,092.26	
<i>For Class 56 Rating, Add</i>	4,098.18	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,761.67	1,171.73
<i>For Class 52 Rating, Deduct</i>	-1,538.50	
<i>For Class 54 Rating, Add</i>	2,119.25	
<i>For Class 55 Rating, Add</i>	3,161.56	
<i>For Class 56 Rating, Add</i>	4,189.88	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,078.09	1,175.92
<i>For Class 52 Rating, Deduct</i>	-1,572.60	
<i>For Class 54 Rating, Add</i>	2,165.84	
<i>For Class 55 Rating, Add</i>	3,230.86	
<i>For Class 56 Rating, Add</i>	4,281.58	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,394.52	1,180.13
<i>For Class 52 Rating, Deduct</i>	-1,606.71	
<i>For Class 54 Rating, Add</i>	2,212.42	
<i>For Class 55 Rating, Add</i>	3,300.15	
<i>For Class 56 Rating, Add</i>	4,373.27	
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,710.94	1,184.32
<i>For Class 52 Rating, Deduct</i>	-1,640.82	
<i>For Class 54 Rating, Add</i>	2,259.01	
<i>For Class 55 Rating, Add</i>	3,369.45	
<i>For Class 56 Rating, Add</i>	4,464.97	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,027.35	1,188.52
			<i>For Class 52 Rating, Deduct</i>	-1,674.92	
			<i>For Class 54 Rating, Add</i>	2,305.59	
			<i>For Class 55 Rating, Add</i>	3,438.74	
			<i>For Class 56 Rating, Add</i>	4,566.66	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,343.78	1,192.73
			<i>For Class 52 Rating, Deduct</i>	-1,709.03	
			<i>For Class 54 Rating, Add</i>	2,352.18	
			<i>For Class 55 Rating, Add</i>	3,508.04	
			<i>For Class 56 Rating, Add</i>	4,648.36	
40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)					
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,931.33	1,226.32
			<i>For Class 52 Rating, Deduct</i>	-558.06	
			<i>For Class 54 Rating, Add</i>	783.29	
			<i>For Class 55 Rating, Add</i>	1,175.93	
			<i>For Class 56 Rating, Add</i>	1,563.50	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,321.91	1,230.52
			<i>For Class 52 Rating, Deduct</i>	-600.32	
			<i>For Class 54 Rating, Add</i>	841.00	
			<i>For Class 55 Rating, Add</i>	1,261.76	
			<i>For Class 56 Rating, Add</i>	1,677.08	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,712.47	1,234.72
			<i>For Class 52 Rating, Deduct</i>	-642.58	
			<i>For Class 54 Rating, Add</i>	898.70	
			<i>For Class 55 Rating, Add</i>	1,347.59	
			<i>For Class 56 Rating, Add</i>	1,790.64	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,103.03	1,238.93
			<i>For Class 52 Rating, Deduct</i>	-684.85	
			<i>For Class 54 Rating, Add</i>	956.41	
			<i>For Class 55 Rating, Add</i>	1,433.42	
			<i>For Class 56 Rating, Add</i>	1,904.21	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,493.61	1,243.12
			<i>For Class 52 Rating, Deduct</i>	-727.11	
			<i>For Class 54 Rating, Add</i>	1,014.12	
			<i>For Class 55 Rating, Add</i>	1,519.25	
			<i>For Class 56 Rating, Add</i>	2,017.78	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,884.17	1,247.32
			<i>For Class 52 Rating, Deduct</i>	-769.37	
			<i>For Class 54 Rating, Add</i>	1,071.82	
			<i>For Class 55 Rating, Add</i>	1,605.08	
			<i>For Class 56 Rating, Add</i>	2,131.35	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,274.73	1,251.52
			<i>For Class 52 Rating, Deduct</i>	-811.63	
			<i>For Class 54 Rating, Add</i>	1,129.53	
			<i>For Class 55 Rating, Add</i>	1,690.91	
			<i>For Class 56 Rating, Add</i>	2,244.92	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,665.30	1,255.72
			<i>For Class 52 Rating, Deduct</i>	-853.90	
			<i>For Class 54 Rating, Add</i>	1,187.23	
			<i>For Class 55 Rating, Add</i>	1,776.74	
			<i>For Class 56 Rating, Add</i>	2,358.49	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,055.87	1,259.92
			<i>For Class 52 Rating, Deduct</i>	-896.16	
			<i>For Class 54 Rating, Add</i>	1,244.94	
			<i>For Class 55 Rating, Add</i>	1,862.57	
			<i>For Class 56 Rating, Add</i>	2,472.06	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,446.43	1,264.12
			<i>For Class 52 Rating, Deduct</i>	-938.42	
			<i>For Class 54 Rating, Add</i>	1,302.65	
			<i>For Class 55 Rating, Add</i>	1,948.40	
			<i>For Class 56 Rating, Add</i>	2,585.63	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,837.00	1,268.32
			<i>For Class 52 Rating, Deduct</i>	-900.68	
			<i>For Class 54 Rating, Add</i>	1,360.36	
			<i>For Class 55 Rating, Add</i>	2,034.23	
			<i>For Class 56 Rating, Add</i>	2,699.19	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,227.57	1,272.52
			<i>For Class 52 Rating, Deduct</i>	-1,022.95	
			<i>For Class 54 Rating, Add</i>	1,418.06	
			<i>For Class 55 Rating, Add</i>	2,120.06	
			<i>For Class 56 Rating, Add</i>	2,812.77	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,618.14	1,276.71
			<i>For Class 52 Rating, Deduct</i>	-1,065.21	
			<i>For Class 54 Rating, Add</i>	1,475.77	
			<i>For Class 55 Rating, Add</i>	2,205.89	
			<i>For Class 56 Rating, Add</i>	2,926.33	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,008.70	1,280.92
			<i>For Class 52 Rating, Deduct</i>	-1,107.47	
			<i>For Class 54 Rating, Add</i>	1,533.48	
			<i>For Class 55 Rating, Add</i>	2,291.72	
			<i>For Class 56 Rating, Add</i>	3,039.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,399.26	1,285.12
<i>For Class 52 Rating, Deduct</i>	-1,149.73	
<i>For Class 54 Rating, Add</i>	1,591.18	
<i>For Class 55 Rating, Add</i>	2,377.55	
<i>For Class 56 Rating, Add</i>	3,153.47	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,789.84	1,289.32
<i>For Class 52 Rating, Deduct</i>	-1,192.00	
<i>For Class 54 Rating, Add</i>	1,648.89	
<i>For Class 55 Rating, Add</i>	2,463.38	
<i>For Class 56 Rating, Add</i>	3,267.04	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,180.40	1,293.52
<i>For Class 52 Rating, Deduct</i>	-1,234.26	
<i>For Class 54 Rating, Add</i>	1,706.60	
<i>For Class 55 Rating, Add</i>	2,549.21	
<i>For Class 56 Rating, Add</i>	3,380.61	
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,570.96	1,297.72
<i>For Class 52 Rating, Deduct</i>	-1,276.52	
<i>For Class 54 Rating, Add</i>	1,764.30	
<i>For Class 55 Rating, Add</i>	2,635.04	
<i>For Class 56 Rating, Add</i>	3,494.18	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,961.53	1,301.92
<i>For Class 52 Rating, Deduct</i>	-1,318.78	
<i>For Class 54 Rating, Add</i>	1,822.01	
<i>For Class 55 Rating, Add</i>	2,720.87	
<i>For Class 56 Rating, Add</i>	3,607.75	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,352.10	1,306.11
<i>For Class 52 Rating, Deduct</i>	-1,361.04	
<i>For Class 54 Rating, Add</i>	1,879.72	
<i>For Class 55 Rating, Add</i>	2,806.70	
<i>For Class 56 Rating, Add</i>	3,721.32	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,742.66	1,310.32
<i>For Class 52 Rating, Deduct</i>	-1,403.31	
<i>For Class 54 Rating, Add</i>	1,937.42	
<i>For Class 55 Rating, Add</i>	2,892.53	
<i>For Class 56 Rating, Add</i>	3,834.88	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,133.23	1,314.51
<i>For Class 52 Rating, Deduct</i>	-1,445.57	
<i>For Class 54 Rating, Add</i>	1,995.13	
<i>For Class 55 Rating, Add</i>	2,978.36	
<i>For Class 56 Rating, Add</i>	3,948.45	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,523.79	1,318.72
<i>For Class 52 Rating, Deduct</i>	-1,487.83	
<i>For Class 54 Rating, Add</i>	2,052.84	
<i>For Class 55 Rating, Add</i>	3,064.19	
<i>For Class 56 Rating, Add</i>	4,062.02	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,914.35	1,322.91
<i>For Class 52 Rating, Deduct</i>	-1,530.09	
<i>For Class 54 Rating, Add</i>	2,110.54	
<i>For Class 55 Rating, Add</i>	3,150.02	
<i>For Class 56 Rating, Add</i>	4,175.59	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,304.92	1,327.12
<i>For Class 52 Rating, Deduct</i>	-1,572.36	
<i>For Class 54 Rating, Add</i>	2,168.25	
<i>For Class 55 Rating, Add</i>	3,235.85	
<i>For Class 56 Rating, Add</i>	4,289.16	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,695.48	1,331.32
<i>For Class 52 Rating, Deduct</i>	-1,614.62	
<i>For Class 54 Rating, Add</i>	2,225.96	
<i>For Class 55 Rating, Add</i>	3,321.68	
<i>For Class 56 Rating, Add</i>	4,402.73	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,086.05	1,335.51
<i>For Class 52 Rating, Deduct</i>	-1,656.88	
<i>For Class 54 Rating, Add</i>	2,283.66	
<i>For Class 55 Rating, Add</i>	3,407.51	
<i>For Class 56 Rating, Add</i>	4,516.30	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,476.62	1,339.72
<i>For Class 52 Rating, Deduct</i>	-1,699.14	
<i>For Class 54 Rating, Add</i>	2,341.37	
<i>For Class 55 Rating, Add</i>	3,493.34	
<i>For Class 56 Rating, Add</i>	4,629.87	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,867.18	1,343.91
<i>For Class 52 Rating, Deduct</i>	-1,741.40	
<i>For Class 54 Rating, Add</i>	2,399.08	
<i>For Class 55 Rating, Add</i>	3,579.17	
<i>For Class 56 Rating, Add</i>	4,743.43	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,365.93	1,419.51
<i>For Class 52 Rating, Deduct</i>	-1,783.67	
<i>For Class 54 Rating, Add</i>	2,458.08	
<i>For Class 55 Rating, Add</i>	3,667.60	
<i>For Class 56 Rating, Add</i>	4,860.90	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,756.50	1,423.71
<i>For Class 52 Rating, Deduct</i>	-1,825.93	
<i>For Class 54 Rating, Add</i>	2,515.79	
<i>For Class 55 Rating, Add</i>	3,753.43	
<i>For Class 56 Rating, Add</i>	4,974.47	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA		24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,147.06	1,427.91
			<i>For Class 52 Rating, Deduct</i>	-1,868.19	
			<i>For Class 54 Rating, Add</i>	2,573.50	
			<i>For Class 55 Rating, Add</i>	3,839.26	
			<i>For Class 56 Rating, Add</i>	5,088.04	
40 05 19 00-0392	EA		24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,537.62	1,432.11
			<i>For Class 52 Rating, Deduct</i>	-1,910.45	
			<i>For Class 54 Rating, Add</i>	2,631.20	
			<i>For Class 55 Rating, Add</i>	3,925.09	
			<i>For Class 56 Rating, Add</i>	5,201.60	
40 05 19 00-0393	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,928.20	1,436.31
			<i>For Class 52 Rating, Deduct</i>	-1,952.72	
			<i>For Class 54 Rating, Add</i>	2,688.91	
			<i>For Class 55 Rating, Add</i>	4,010.92	
			<i>For Class 56 Rating, Add</i>	5,315.18	
40 05 19 00-0394	EA		24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,318.76	1,440.51
			<i>For Class 52 Rating, Deduct</i>	-1,994.98	
			<i>For Class 54 Rating, Add</i>	2,746.62	
			<i>For Class 55 Rating, Add</i>	4,096.75	
			<i>For Class 56 Rating, Add</i>	5,428.74	
40 05 19 00-0395	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,709.32	1,444.71
			<i>For Class 52 Rating, Deduct</i>	-2,037.24	
			<i>For Class 54 Rating, Add</i>	2,804.32	
			<i>For Class 55 Rating, Add</i>	4,182.58	
			<i>For Class 56 Rating, Add</i>	5,542.31	
40 05 19 00-0396	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,099.90	1,448.91
			<i>For Class 52 Rating, Deduct</i>	-2,079.50	
			<i>For Class 54 Rating, Add</i>	2,862.03	
			<i>For Class 55 Rating, Add</i>	4,268.41	
			<i>For Class 56 Rating, Add</i>	5,655.88	
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,490.46	1,453.10
			<i>For Class 52 Rating, Deduct</i>	-2,121.77	
			<i>For Class 54 Rating, Add</i>	2,919.74	
			<i>For Class 55 Rating, Add</i>	4,354.24	
			<i>For Class 56 Rating, Add</i>	5,769.45	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,687.66	1,730.29
			<i>For Class 52 Rating, Deduct</i>	-887.26	
			<i>For Class 54 Rating, Add</i>	1,241.36	
			<i>For Class 55 Rating, Add</i>	1,861.64	
			<i>For Class 56 Rating, Add</i>	2,473.85	
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,248.98	1,734.49
			<i>For Class 52 Rating, Deduct</i>	-948.31	
			<i>For Class 54 Rating, Add</i>	1,324.68	
			<i>For Class 55 Rating, Add</i>	1,985.55	
			<i>For Class 56 Rating, Add</i>	2,637.79	
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,810.31	1,738.69
			<i>For Class 52 Rating, Deduct</i>	-1,009.35	
			<i>For Class 54 Rating, Add</i>	1,408.00	
			<i>For Class 55 Rating, Add</i>	2,109.46	
			<i>For Class 56 Rating, Add</i>	2,801.74	
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,371.63	1,742.89
			<i>For Class 52 Rating, Deduct</i>	-1,070.40	
			<i>For Class 54 Rating, Add</i>	1,491.32	
			<i>For Class 55 Rating, Add</i>	2,233.37	
			<i>For Class 56 Rating, Add</i>	2,965.68	
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,932.95	1,747.09
			<i>For Class 52 Rating, Deduct</i>	-1,131.44	
			<i>For Class 54 Rating, Add</i>	1,574.64	
			<i>For Class 55 Rating, Add</i>	2,357.27	
			<i>For Class 56 Rating, Add</i>	3,129.62	
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,494.28	1,751.29
			<i>For Class 52 Rating, Deduct</i>	-1,192.49	
			<i>For Class 54 Rating, Add</i>	1,657.96	
			<i>For Class 55 Rating, Add</i>	2,481.18	
			<i>For Class 56 Rating, Add</i>	3,293.56	
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,055.60	1,755.48
			<i>For Class 52 Rating, Deduct</i>	-1,253.53	
			<i>For Class 54 Rating, Add</i>	1,741.28	
			<i>For Class 55 Rating, Add</i>	2,605.09	
			<i>For Class 56 Rating, Add</i>	3,457.51	
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,616.92	1,759.69
			<i>For Class 52 Rating, Deduct</i>	-1,314.58	
			<i>For Class 54 Rating, Add</i>	1,824.60	
			<i>For Class 55 Rating, Add</i>	2,729.00	
			<i>For Class 56 Rating, Add</i>	3,621.45	
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,178.25	1,763.89
			<i>For Class 52 Rating, Deduct</i>	-1,375.63	
			<i>For Class 54 Rating, Add</i>	1,907.92	
			<i>For Class 55 Rating, Add</i>	2,852.91	
			<i>For Class 56 Rating, Add</i>	3,785.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,739.57	1,768.09
<i>For Class 52 Rating, Deduct</i>	-1,436.67	
<i>For Class 54 Rating, Add</i>	1,991.24	
<i>For Class 55 Rating, Add</i>	2,976.82	
<i>For Class 56 Rating, Add</i>	3,949.33	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,300.89	1,772.29
<i>For Class 52 Rating, Deduct</i>	-1,497.72	
<i>For Class 54 Rating, Add</i>	2,074.56	
<i>For Class 55 Rating, Add</i>	3,100.73	
<i>For Class 56 Rating, Add</i>	4,113.28	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,862.22	1,776.49
<i>For Class 52 Rating, Deduct</i>	-1,558.76	
<i>For Class 54 Rating, Add</i>	2,157.89	
<i>For Class 55 Rating, Add</i>	3,224.64	
<i>For Class 56 Rating, Add</i>	4,277.22	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,423.54	1,780.69
<i>For Class 52 Rating, Deduct</i>	-1,619.81	
<i>For Class 54 Rating, Add</i>	2,241.21	
<i>For Class 55 Rating, Add</i>	3,348.55	
<i>For Class 56 Rating, Add</i>	4,441.16	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,984.87	1,784.88
<i>For Class 52 Rating, Deduct</i>	-1,680.85	
<i>For Class 54 Rating, Add</i>	2,324.53	
<i>For Class 55 Rating, Add</i>	3,472.45	
<i>For Class 56 Rating, Add</i>	4,605.10	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,546.19	1,789.09
<i>For Class 52 Rating, Deduct</i>	-1,741.90	
<i>For Class 54 Rating, Add</i>	2,407.85	
<i>For Class 55 Rating, Add</i>	3,596.36	
<i>For Class 56 Rating, Add</i>	4,769.04	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,107.51	1,793.28
<i>For Class 52 Rating, Deduct</i>	-1,802.95	
<i>For Class 54 Rating, Add</i>	2,491.17	
<i>For Class 55 Rating, Add</i>	3,720.27	
<i>For Class 56 Rating, Add</i>	4,932.99	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,668.84	1,797.49
<i>For Class 52 Rating, Deduct</i>	-1,863.99	
<i>For Class 54 Rating, Add</i>	2,574.49	
<i>For Class 55 Rating, Add</i>	3,844.18	
<i>For Class 56 Rating, Add</i>	5,096.93	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,230.16	1,801.68
<i>For Class 52 Rating, Deduct</i>	-1,925.04	
<i>For Class 54 Rating, Add</i>	2,657.81	
<i>For Class 55 Rating, Add</i>	3,968.09	
<i>For Class 56 Rating, Add</i>	5,260.87	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,791.47	1,805.89
<i>For Class 52 Rating, Deduct</i>	-1,986.08	
<i>For Class 54 Rating, Add</i>	2,741.13	
<i>For Class 55 Rating, Add</i>	4,092.00	
<i>For Class 56 Rating, Add</i>	5,424.81	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,352.80	1,810.09
<i>For Class 52 Rating, Deduct</i>	-2,047.13	
<i>For Class 54 Rating, Add</i>	2,824.45	
<i>For Class 55 Rating, Add</i>	4,215.90	
<i>For Class 56 Rating, Add</i>	5,588.75	
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,914.12	1,814.28
<i>For Class 52 Rating, Deduct</i>	-2,108.17	
<i>For Class 54 Rating, Add</i>	2,907.77	
<i>For Class 55 Rating, Add</i>	4,339.81	
<i>For Class 56 Rating, Add</i>	5,752.70	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,475.44	1,818.49
<i>For Class 52 Rating, Deduct</i>	-2,169.22	
<i>For Class 54 Rating, Add</i>	2,991.09	
<i>For Class 55 Rating, Add</i>	4,463.72	
<i>For Class 56 Rating, Add</i>	5,916.64	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,036.77	1,822.68
<i>For Class 52 Rating, Deduct</i>	-2,230.26	
<i>For Class 54 Rating, Add</i>	3,074.41	
<i>For Class 55 Rating, Add</i>	4,587.63	
<i>For Class 56 Rating, Add</i>	6,080.58	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,598.09	1,826.89
<i>For Class 52 Rating, Deduct</i>	-2,291.31	
<i>For Class 54 Rating, Add</i>	3,157.73	
<i>For Class 55 Rating, Add</i>	4,711.54	
<i>For Class 56 Rating, Add</i>	6,244.52	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,157.17	1,831.08
<i>For Class 52 Rating, Deduct</i>	-2,352.11	
<i>For Class 54 Rating, Add</i>	3,240.71	
<i>For Class 55 Rating, Add</i>	4,834.95	
<i>For Class 56 Rating, Add</i>	6,407.80	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,720.74	1,835.29
<i>For Class 52 Rating, Deduct</i>	-2,413.40	
<i>For Class 54 Rating, Add</i>	3,324.37	
<i>For Class 55 Rating, Add</i>	4,959.36	
<i>For Class 56 Rating, Add</i>	6,572.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,282.06	1,839.48
For Class 52 Rating, Deduct	-2,474.45	
For Class 54 Rating, Add	3,407.69	
For Class 55 Rating, Add	5,083.27	
For Class 56 Rating, Add	6,736.35	
40 05 19 00-0426 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,843.38	1,843.68
For Class 52 Rating, Deduct	-2,535.49	
For Class 54 Rating, Add	3,491.01	
For Class 55 Rating, Add	5,207.18	
For Class 56 Rating, Add	6,900.29	
40 05 19 00-0427 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,404.70	1,847.88
For Class 52 Rating, Deduct	-2,596.54	
For Class 54 Rating, Add	3,574.33	
For Class 55 Rating, Add	5,331.08	
For Class 56 Rating, Add	7,064.23	
40 05 19 00-0428 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,966.02	1,852.08
For Class 52 Rating, Deduct	-2,657.58	
For Class 54 Rating, Add	3,657.65	
For Class 55 Rating, Add	5,454.99	
For Class 56 Rating, Add	7,228.18	
40 05 19 00-0429 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,527.34	1,856.29
For Class 52 Rating, Deduct	-2,718.63	
For Class 54 Rating, Add	3,740.97	
For Class 55 Rating, Add	5,578.90	
For Class 56 Rating, Add	7,392.12	
40 05 19 00-0430 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,088.67	1,860.48
For Class 52 Rating, Deduct	-2,779.67	
For Class 54 Rating, Add	3,824.29	
For Class 55 Rating, Add	5,702.81	
For Class 56 Rating, Add	7,556.06	
40 05 19 00-0431 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,649.99	1,864.69
For Class 52 Rating, Deduct	-2,840.72	
For Class 54 Rating, Add	3,907.61	
For Class 55 Rating, Add	5,826.72	
For Class 56 Rating, Add	7,720.00	
40 05 19 00-0432 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,211.31	1,868.88
For Class 52 Rating, Deduct	-2,901.76	
For Class 54 Rating, Add	3,990.93	
For Class 55 Rating, Add	5,950.63	
For Class 56 Rating, Add	7,883.94	
40 05 19 00-0433 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,772.64	1,873.08
For Class 52 Rating, Deduct	-2,962.81	
For Class 54 Rating, Add	4,074.25	
For Class 55 Rating, Add	6,074.54	
For Class 56 Rating, Add	8,047.89	
40 05 19 00-0434 EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,333.96	1,877.28
For Class 52 Rating, Deduct	-3,023.86	
For Class 54 Rating, Add	4,157.57	
For Class 55 Rating, Add	6,198.45	
For Class 56 Rating, Add	8,211.83	
40 05 19 00-0435 EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,895.29	1,881.48
For Class 52 Rating, Deduct	-3,084.90	
For Class 54 Rating, Add	4,240.89	
For Class 55 Rating, Add	6,322.35	
For Class 56 Rating, Add	8,375.77	
40 05 19 00-0436 EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,456.61	1,885.68
For Class 52 Rating, Deduct	-3,145.95	
For Class 54 Rating, Add	4,324.21	
For Class 55 Rating, Add	6,446.26	
For Class 56 Rating, Add	8,539.71	
40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438 EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,863.42	2,192.26
For Class 52 Rating, Deduct	-1,269.60	
For Class 54 Rating, Add	1,771.13	
For Class 55 Rating, Add	2,653.54	
For Class 56 Rating, Add	3,524.41	
40 05 19 00-0439 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,624.72	2,196.46
For Class 52 Rating, Deduct	-1,352.64	
For Class 54 Rating, Add	1,884.45	
For Class 55 Rating, Add	2,822.04	
For Class 56 Rating, Add	3,747.35	
40 05 19 00-0440 EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,385.99	2,200.66
For Class 52 Rating, Deduct	-1,435.68	
For Class 54 Rating, Add	1,997.76	
For Class 55 Rating, Add	2,990.54	
For Class 56 Rating, Add	3,970.28	
40 05 19 00-0441 EA 36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,147.28	2,204.86
For Class 52 Rating, Deduct	-1,518.72	
For Class 54 Rating, Add	2,111.08	
For Class 55 Rating, Add	3,159.05	
For Class 56 Rating, Add	4,193.21	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442 EA 36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,908.57	2,209.06
<i>For Class 52 Rating, Deduct</i>	-1,601.77	
<i>For Class 54 Rating, Add</i>	2,224.39	
<i>For Class 55 Rating, Add</i>	3,327.55	
<i>For Class 56 Rating, Add</i>	4,416.14	
40 05 19 00-0443 EA 36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,669.86	2,213.26
<i>For Class 52 Rating, Deduct</i>	-1,684.81	
<i>For Class 54 Rating, Add</i>	2,337.71	
<i>For Class 55 Rating, Add</i>	3,496.05	
<i>For Class 56 Rating, Add</i>	4,639.07	
40 05 19 00-0444 EA 36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,431.14	2,217.46
<i>For Class 52 Rating, Deduct</i>	-1,767.85	
<i>For Class 54 Rating, Add</i>	2,451.02	
<i>For Class 55 Rating, Add</i>	3,664.55	
<i>For Class 56 Rating, Add</i>	4,862.00	
40 05 19 00-0445 EA 36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,192.44	2,221.66
<i>For Class 52 Rating, Deduct</i>	-1,850.89	
<i>For Class 54 Rating, Add</i>	2,564.34	
<i>For Class 55 Rating, Add</i>	3,833.05	
<i>For Class 56 Rating, Add</i>	5,084.94	
40 05 19 00-0446 EA 36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,953.72	2,225.85
<i>For Class 52 Rating, Deduct</i>	-1,933.93	
<i>For Class 54 Rating, Add</i>	2,677.65	
<i>For Class 55 Rating, Add</i>	4,001.55	
<i>For Class 56 Rating, Add</i>	5,307.87	
40 05 19 00-0447 EA 36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,715.00	2,230.06
<i>For Class 52 Rating, Deduct</i>	-2,016.97	
<i>For Class 54 Rating, Add</i>	2,790.97	
<i>For Class 55 Rating, Add</i>	4,170.05	
<i>For Class 56 Rating, Add</i>	5,530.80	
40 05 19 00-0448 EA 36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,476.30	2,234.26
<i>For Class 52 Rating, Deduct</i>	-2,100.02	
<i>For Class 54 Rating, Add</i>	2,904.28	
<i>For Class 55 Rating, Add</i>	4,338.55	
<i>For Class 56 Rating, Add</i>	5,753.73	
40 05 19 00-0449 EA 36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,237.58	2,238.46
<i>For Class 52 Rating, Deduct</i>	-2,183.06	
<i>For Class 54 Rating, Add</i>	3,017.60	
<i>For Class 55 Rating, Add</i>	4,507.05	
<i>For Class 56 Rating, Add</i>	5,976.66	
40 05 19 00-0450 EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,998.87	2,242.66
<i>For Class 52 Rating, Deduct</i>	-2,266.10	
<i>For Class 54 Rating, Add</i>	3,130.91	
<i>For Class 55 Rating, Add</i>	4,675.55	
<i>For Class 56 Rating, Add</i>	6,199.60	
40 05 19 00-0451 EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,760.16	2,246.86
<i>For Class 52 Rating, Deduct</i>	-2,349.14	
<i>For Class 54 Rating, Add</i>	3,244.23	
<i>For Class 55 Rating, Add</i>	4,844.05	
<i>For Class 56 Rating, Add</i>	6,422.53	
40 05 19 00-0452 EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,521.45	2,251.06
<i>For Class 52 Rating, Deduct</i>	-2,432.18	
<i>For Class 54 Rating, Add</i>	3,357.54	
<i>For Class 55 Rating, Add</i>	5,012.56	
<i>For Class 56 Rating, Add</i>	6,645.46	
40 05 19 00-0453 EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,282.73	2,255.25
<i>For Class 52 Rating, Deduct</i>	-2,515.22	
<i>For Class 54 Rating, Add</i>	3,470.86	
<i>For Class 55 Rating, Add</i>	5,181.06	
<i>For Class 56 Rating, Add</i>	6,868.39	
40 05 19 00-0454 EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,044.03	2,259.46
<i>For Class 52 Rating, Deduct</i>	-2,598.27	
<i>For Class 54 Rating, Add</i>	3,584.17	
<i>For Class 55 Rating, Add</i>	5,349.56	
<i>For Class 56 Rating, Add</i>	7,091.32	
40 05 19 00-0455 EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,805.31	2,263.65
<i>For Class 52 Rating, Deduct</i>	-2,681.31	
<i>For Class 54 Rating, Add</i>	3,697.49	
<i>For Class 55 Rating, Add</i>	5,518.06	
<i>For Class 56 Rating, Add</i>	7,314.25	
40 05 19 00-0456 EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,566.60	2,267.86
<i>For Class 52 Rating, Deduct</i>	-2,764.35	
<i>For Class 54 Rating, Add</i>	3,810.80	
<i>For Class 55 Rating, Add</i>	5,686.56	
<i>For Class 56 Rating, Add</i>	7,537.19	
40 05 19 00-0457 EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,327.89	2,272.05
<i>For Class 52 Rating, Deduct</i>	-2,847.39	
<i>For Class 54 Rating, Add</i>	3,924.12	
<i>For Class 55 Rating, Add</i>	5,855.06	
<i>For Class 56 Rating, Add</i>	7,760.12	
40 05 19 00-0458 EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,089.18	2,276.26
<i>For Class 52 Rating, Deduct</i>	-2,930.43	
<i>For Class 54 Rating, Add</i>	4,037.43	
<i>For Class 55 Rating, Add</i>	6,023.56	
<i>For Class 56 Rating, Add</i>	7,983.05	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,850.46	2,280.46
			<i>For Class 52 Rating, Deduct</i>	-3,013.48	
			<i>For Class 54 Rating, Add</i>	4,150.75	
			<i>For Class 55 Rating, Add</i>	6,192.06	
			<i>For Class 56 Rating, Add</i>	8,205.98	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,611.76	2,284.65
			<i>For Class 52 Rating, Deduct</i>	-3,096.52	
			<i>For Class 54 Rating, Add</i>	4,264.06	
			<i>For Class 55 Rating, Add</i>	6,360.56	
			<i>For Class 56 Rating, Add</i>	8,428.91	
40 05 19 00-0461	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,373.04	2,288.86
			<i>For Class 52 Rating, Deduct</i>	-3,179.56	
			<i>For Class 54 Rating, Add</i>	4,377.38	
			<i>For Class 55 Rating, Add</i>	6,529.06	
			<i>For Class 56 Rating, Add</i>	8,651.85	
40 05 19 00-0462	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,134.34	2,293.05
			<i>For Class 52 Rating, Deduct</i>	-3,262.60	
			<i>For Class 54 Rating, Add</i>	4,490.69	
			<i>For Class 55 Rating, Add</i>	6,697.57	
			<i>For Class 56 Rating, Add</i>	8,874.78	
40 05 19 00-0463	EA		36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,895.62	2,297.26
			<i>For Class 52 Rating, Deduct</i>	-3,345.64	
			<i>For Class 54 Rating, Add</i>	4,604.01	
			<i>For Class 55 Rating, Add</i>	6,866.07	
			<i>For Class 56 Rating, Add</i>	9,097.71	
40 05 19 00-0464	EA		36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,656.91	2,301.45
			<i>For Class 52 Rating, Deduct</i>	-3,428.68	
			<i>For Class 54 Rating, Add</i>	4,717.32	
			<i>For Class 55 Rating, Add</i>	7,034.57	
			<i>For Class 56 Rating, Add</i>	9,320.64	
40 05 19 00-0465	EA		36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,418.20	2,305.66
			<i>For Class 52 Rating, Deduct</i>	-3,511.73	
			<i>For Class 54 Rating, Add</i>	4,830.64	
			<i>For Class 55 Rating, Add</i>	7,203.07	
			<i>For Class 56 Rating, Add</i>	9,543.57	
40 05 19 00-0466	EA		36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,179.49	2,309.85
			<i>For Class 52 Rating, Deduct</i>	-3,594.77	
			<i>For Class 54 Rating, Add</i>	4,943.95	
			<i>For Class 55 Rating, Add</i>	7,371.57	
			<i>For Class 56 Rating, Add</i>	9,766.51	
40 05 19 00-0467	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,940.77	2,314.05
			<i>For Class 52 Rating, Deduct</i>	-3,677.81	
			<i>For Class 54 Rating, Add</i>	5,057.27	
			<i>For Class 55 Rating, Add</i>	7,540.07	
			<i>For Class 56 Rating, Add</i>	9,989.44	
40 05 19 00-0468	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,702.07	2,318.25
			<i>For Class 52 Rating, Deduct</i>	-3,760.85	
			<i>For Class 54 Rating, Add</i>	5,170.58	
			<i>For Class 55 Rating, Add</i>	7,708.57	
			<i>For Class 56 Rating, Add</i>	10,212.37	
40 05 19 00-0469	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,463.35	2,322.45
			<i>For Class 52 Rating, Deduct</i>	-3,843.89	
			<i>For Class 54 Rating, Add</i>	5,283.90	
			<i>For Class 55 Rating, Add</i>	7,877.07	
			<i>For Class 56 Rating, Add</i>	10,435.30	
40 05 19 00-0470	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,224.64	2,326.66
			<i>For Class 52 Rating, Deduct</i>	-3,926.94	
			<i>For Class 54 Rating, Add</i>	5,397.21	
			<i>For Class 55 Rating, Add</i>	8,045.57	
			<i>For Class 56 Rating, Add</i>	10,658.23	
40 05 19 00-0471	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,985.93	2,330.85
			<i>For Class 52 Rating, Deduct</i>	-4,009.98	
			<i>For Class 54 Rating, Add</i>	5,510.53	
			<i>For Class 55 Rating, Add</i>	8,214.07	
			<i>For Class 56 Rating, Add</i>	10,881.16	
40 05 19 00-0472	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,747.21	2,335.06
			<i>For Class 52 Rating, Deduct</i>	-4,093.02	
			<i>For Class 54 Rating, Add</i>	5,623.84	
			<i>For Class 55 Rating, Add</i>	8,382.57	
			<i>For Class 56 Rating, Add</i>	11,104.10	
40 05 19 00-0473	EA		36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,508.50	2,339.25
			<i>For Class 52 Rating, Deduct</i>	-4,176.06	
			<i>For Class 54 Rating, Add</i>	5,737.16	
			<i>For Class 55 Rating, Add</i>	8,551.08	
			<i>For Class 56 Rating, Add</i>	11,327.03	
40 05 19 00-0474	EA		36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,269.79	2,343.45
			<i>For Class 52 Rating, Deduct</i>	-4,259.10	
			<i>For Class 54 Rating, Add</i>	5,850.47	
			<i>For Class 55 Rating, Add</i>	8,719.58	
			<i>For Class 56 Rating, Add</i>	11,549.96	
40 05 19 00-0475	EA		36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,031.08	2,347.65
			<i>For Class 52 Rating, Deduct</i>	-4,342.14	
			<i>For Class 54 Rating, Add</i>	5,963.79	
			<i>For Class 55 Rating, Add</i>	8,888.08	
			<i>For Class 56 Rating, Add</i>	11,772.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-0476	42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477	EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,584.32	2,763.42
	For Class 52 Rating, Deduct	-1,693.71	
	For Class 54 Rating, Add	2,359.84	
	For Class 55 Rating, Add	3,534.09	
	For Class 56 Rating, Add	4,692.94	
40 05 19 00-0478	EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,718.58	2,767.63
	For Class 52 Rating, Deduct	-1,817.77	
	For Class 54 Rating, Add	2,529.10	
	For Class 55 Rating, Add	3,785.76	
	For Class 56 Rating, Add	5,025.90	
40 05 19 00-0479	EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,839.36	2,771.82
	For Class 52 Rating, Deduct	-1,940.36	
	For Class 54 Rating, Add	2,696.34	
	For Class 55 Rating, Add	4,034.43	
	For Class 56 Rating, Add	5,354.88	
40 05 19 00-0480	EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,971.36	2,776.03
	For Class 52 Rating, Deduct	-2,064.18	
	For Class 54 Rating, Add	2,865.26	
	For Class 55 Rating, Add	4,285.60	
	For Class 56 Rating, Add	5,687.17	
40 05 19 00-0481	EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,092.15	2,780.22
	For Class 52 Rating, Deduct	-2,186.77	
	For Class 54 Rating, Add	3,032.50	
	For Class 55 Rating, Add	4,534.27	
	For Class 56 Rating, Add	6,016.16	
40 05 19 00-0482	EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,226.40	2,784.42
	For Class 52 Rating, Deduct	-2,310.83	
	For Class 54 Rating, Add	3,201.76	
	For Class 55 Rating, Add	4,785.94	
	For Class 56 Rating, Add	6,349.11	
40 05 19 00-0483	EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,344.93	2,788.62
	For Class 52 Rating, Deduct	-2,433.17	
	For Class 54 Rating, Add	3,368.66	
	For Class 55 Rating, Add	5,034.11	
	For Class 56 Rating, Add	6,677.43	
40 05 19 00-0484	EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,479.19	2,792.82
	For Class 52 Rating, Deduct	-2,557.24	
	For Class 54 Rating, Add	3,537.92	
	For Class 55 Rating, Add	5,285.78	
	For Class 56 Rating, Add	7,010.39	
40 05 19 00-0485	EA 42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,599.96	2,797.02
	For Class 52 Rating, Deduct	-2,679.83	
	For Class 54 Rating, Add	3,705.16	
	For Class 55 Rating, Add	5,534.45	
	For Class 56 Rating, Add	7,339.37	
40 05 19 00-0486	EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,731.98	2,801.22
	For Class 52 Rating, Deduct	-2,803.65	
	For Class 54 Rating, Add	3,874.09	
	For Class 55 Rating, Add	5,785.62	
	For Class 56 Rating, Add	7,671.67	
40 05 19 00-0487	EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,852.75	2,805.43
	For Class 52 Rating, Deduct	-2,926.23	
	For Class 54 Rating, Add	4,041.32	
	For Class 55 Rating, Add	6,034.29	
	For Class 56 Rating, Add	8,000.65	
40 05 19 00-0488	EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,984.76	2,809.62
	For Class 52 Rating, Deduct	-3,050.05	
	For Class 54 Rating, Add	4,210.25	
	For Class 55 Rating, Add	6,285.46	
	For Class 56 Rating, Add	8,332.94	
40 05 19 00-0489	EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,105.54	2,813.83
	For Class 52 Rating, Deduct	-3,172.64	
	For Class 54 Rating, Add	4,377.49	
	For Class 55 Rating, Add	6,534.12	
	For Class 56 Rating, Add	8,661.92	
40 05 19 00-0490	EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,228.56	2,818.02
	For Class 52 Rating, Deduct	-3,295.47	
	For Class 54 Rating, Add	4,545.06	
	For Class 55 Rating, Add	6,783.29	
	For Class 56 Rating, Add	8,991.57	
40 05 19 00-0491	EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,358.32	2,822.22
	For Class 52 Rating, Deduct	-3,419.05	
	For Class 54 Rating, Add	4,713.65	
	For Class 55 Rating, Add	7,033.96	
	For Class 56 Rating, Add	9,323.20	
40 05 19 00-0492	EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,479.10	2,826.42
	For Class 52 Rating, Deduct	-3,541.63	
	For Class 54 Rating, Add	4,880.89	
	For Class 55 Rating, Add	7,282.63	
	For Class 56 Rating, Add	9,652.18	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,613.36	2,830.62
			<i>For Class 52 Rating, Deduct</i>	-3,665.70	
			<i>For Class 54 Rating, Add</i>	5,050.15	
			<i>For Class 55 Rating, Add</i>	7,534.30	
			<i>For Class 56 Rating, Add</i>	9,985.14	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,734.13	2,834.82
			<i>For Class 52 Rating, Deduct</i>	-3,788.28	
			<i>For Class 54 Rating, Add</i>	5,217.38	
			<i>For Class 55 Rating, Add</i>	7,782.97	
			<i>For Class 56 Rating, Add</i>	10,314.12	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,866.15	2,839.02
			<i>For Class 52 Rating, Deduct</i>	-3,912.11	
			<i>For Class 54 Rating, Add</i>	5,386.31	
			<i>For Class 55 Rating, Add</i>	8,034.14	
			<i>For Class 56 Rating, Add</i>	10,646.41	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,986.92	2,843.22
			<i>For Class 52 Rating, Deduct</i>	-4,034.69	
			<i>For Class 54 Rating, Add</i>	5,553.55	
			<i>For Class 55 Rating, Add</i>	8,282.81	
			<i>For Class 56 Rating, Add</i>	10,975.39	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,121.17	2,847.42
			<i>For Class 52 Rating, Deduct</i>	-4,158.76	
			<i>For Class 54 Rating, Add</i>	5,722.81	
			<i>For Class 55 Rating, Add</i>	8,534.48	
			<i>For Class 56 Rating, Add</i>	11,308.35	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,241.96	2,851.62
			<i>For Class 52 Rating, Deduct</i>	-4,281.35	
			<i>For Class 54 Rating, Add</i>	5,890.05	
			<i>For Class 55 Rating, Add</i>	8,783.15	
			<i>For Class 56 Rating, Add</i>	11,637.33	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,373.96	2,855.82
			<i>For Class 52 Rating, Deduct</i>	-4,405.17	
			<i>For Class 54 Rating, Add</i>	6,058.97	
			<i>For Class 55 Rating, Add</i>	9,034.32	
			<i>For Class 56 Rating, Add</i>	11,969.63	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,494.74	2,860.02
			<i>For Class 52 Rating, Deduct</i>	-4,527.75	
			<i>For Class 54 Rating, Add</i>	6,226.21	
			<i>For Class 55 Rating, Add</i>	9,282.99	
			<i>For Class 56 Rating, Add</i>	12,298.61	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,629.00	2,864.22
			<i>For Class 52 Rating, Deduct</i>	-4,651.82	
			<i>For Class 54 Rating, Add</i>	6,395.47	
			<i>For Class 55 Rating, Add</i>	9,534.66	
			<i>For Class 56 Rating, Add</i>	12,631.56	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,749.77	2,868.42
			<i>For Class 52 Rating, Deduct</i>	-4,774.40	
			<i>For Class 54 Rating, Add</i>	6,562.71	
			<i>For Class 55 Rating, Add</i>	9,783.33	
			<i>For Class 56 Rating, Add</i>	12,960.54	
40 05 19 00-0503	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,879.53	2,872.62
			<i>For Class 52 Rating, Deduct</i>	-4,897.98	
			<i>For Class 54 Rating, Add</i>	6,731.29	
			<i>For Class 55 Rating, Add</i>	10,034.00	
			<i>For Class 56 Rating, Add</i>	13,292.18	
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,002.56	2,876.82
			<i>For Class 52 Rating, Deduct</i>	-5,020.81	
			<i>For Class 54 Rating, Add</i>	6,898.87	
			<i>For Class 55 Rating, Add</i>	10,283.17	
			<i>For Class 56 Rating, Add</i>	13,621.82	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,898.65	2,881.01
			<i>For Class 52 Rating, Deduct</i>	-5,118.68	
			<i>For Class 54 Rating, Add</i>	7,032.40	
			<i>For Class 55 Rating, Add</i>	10,481.73	
			<i>For Class 56 Rating, Add</i>	13,884.52	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,255.34	2,885.22
			<i>For Class 52 Rating, Deduct</i>	-5,267.22	
			<i>For Class 54 Rating, Add</i>	7,235.03	
			<i>For Class 55 Rating, Add</i>	10,783.00	
			<i>For Class 56 Rating, Add</i>	14,283.10	
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,376.12	2,889.41
			<i>For Class 52 Rating, Deduct</i>	-5,389.80	
			<i>For Class 54 Rating, Add</i>	7,402.27	
			<i>For Class 55 Rating, Add</i>	11,031.67	
			<i>For Class 56 Rating, Add</i>	14,612.08	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,508.13	2,893.62
			<i>For Class 52 Rating, Deduct</i>	-5,513.62	
			<i>For Class 54 Rating, Add</i>	7,571.19	
			<i>For Class 55 Rating, Add</i>	11,282.84	
			<i>For Class 56 Rating, Add</i>	14,944.37	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,628.91	2,897.82
			<i>For Class 52 Rating, Deduct</i>	-5,636.21	
			<i>For Class 54 Rating, Add</i>	7,738.43	
			<i>For Class 55 Rating, Add</i>	11,531.51	
			<i>For Class 56 Rating, Add</i>	15,273.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,763.17	2,902.02
<i>For Class 52 Rating, Deduct</i>	-5,760.28	
<i>For Class 54 Rating, Add</i>	7,907.69	
<i>For Class 55 Rating, Add</i>	11,783.18	
<i>For Class 56 Rating, Add</i>	15,606.31	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,881.68	2,906.22
<i>For Class 52 Rating, Deduct</i>	-5,882.62	
<i>For Class 54 Rating, Add</i>	8,074.59	
<i>For Class 55 Rating, Add</i>	12,031.35	
<i>For Class 56 Rating, Add</i>	15,934.63	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,015.95	2,910.41
<i>For Class 52 Rating, Deduct</i>	-6,006.69	
<i>For Class 54 Rating, Add</i>	8,243.85	
<i>For Class 55 Rating, Add</i>	12,283.02	
<i>For Class 56 Rating, Add</i>	16,267.59	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,136.72	2,914.62
<i>For Class 52 Rating, Deduct</i>	-6,129.27	
<i>For Class 54 Rating, Add</i>	8,411.09	
<i>For Class 55 Rating, Add</i>	12,531.69	
<i>For Class 56 Rating, Add</i>	16,596.57	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,268.73	2,918.81
<i>For Class 52 Rating, Deduct</i>	-6,253.09	
<i>For Class 54 Rating, Add</i>	8,580.01	
<i>For Class 55 Rating, Add</i>	12,782.86	
<i>For Class 56 Rating, Add</i>	16,928.86	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,566.90	3,473.18
<i>For Class 52 Rating, Deduct</i>	-2,123.50	
<i>For Class 54 Rating, Add</i>	2,958.83	
<i>For Class 55 Rating, Add</i>	4,431.20	
<i>For Class 56 Rating, Add</i>	5,884.28	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,215.67	3,477.38
<i>For Class 52 Rating, Deduct</i>	-2,304.16	
<i>For Class 54 Rating, Add</i>	3,205.26	
<i>For Class 55 Rating, Add</i>	4,797.61	
<i>For Class 56 Rating, Add</i>	6,369.02	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,862.20	3,481.58
<i>For Class 52 Rating, Deduct</i>	-2,484.58	
<i>For Class 54 Rating, Add</i>	3,451.36	
<i>For Class 55 Rating, Add</i>	5,163.52	
<i>For Class 56 Rating, Add</i>	6,853.09	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,522.21	3,485.78
<i>For Class 52 Rating, Deduct</i>	-2,666.48	
<i>For Class 54 Rating, Add</i>	3,699.49	
<i>For Class 55 Rating, Add</i>	5,532.44	
<i>For Class 56 Rating, Add</i>	7,341.15	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,170.98	3,489.98
<i>For Class 52 Rating, Deduct</i>	-2,847.15	
<i>For Class 54 Rating, Add</i>	3,945.93	
<i>For Class 55 Rating, Add</i>	5,898.85	
<i>For Class 56 Rating, Add</i>	7,825.89	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,819.76	3,494.18
<i>For Class 52 Rating, Deduct</i>	-3,027.81	
<i>For Class 54 Rating, Add</i>	4,192.36	
<i>For Class 55 Rating, Add</i>	6,265.26	
<i>For Class 56 Rating, Add</i>	8,310.63	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,775.51	3,498.37
<i>For Class 52 Rating, Deduct</i>	-3,209.46	
<i>For Class 54 Rating, Add</i>	4,440.15	
<i>For Class 55 Rating, Add</i>	6,633.67	
<i>For Class 56 Rating, Add</i>	8,798.02	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,128.54	3,502.58
<i>For Class 52 Rating, Deduct</i>	-3,390.38	
<i>For Class 54 Rating, Add</i>	4,686.92	
<i>For Class 55 Rating, Add</i>	7,000.58	
<i>For Class 56 Rating, Add</i>	9,283.42	
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,775.07	3,506.77
<i>For Class 52 Rating, Deduct</i>	-3,570.79	
<i>For Class 54 Rating, Add</i>	4,933.03	
<i>For Class 55 Rating, Add</i>	7,366.49	
<i>For Class 56 Rating, Add</i>	9,767.50	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,435.07	3,510.98
<i>For Class 52 Rating, Deduct</i>	-3,752.70	
<i>For Class 54 Rating, Add</i>	5,181.15	
<i>For Class 55 Rating, Add</i>	7,735.41	
<i>For Class 56 Rating, Add</i>	10,255.55	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,083.85	3,515.18
<i>For Class 52 Rating, Deduct</i>	-3,933.36	
<i>For Class 54 Rating, Add</i>	5,427.59	
<i>For Class 55 Rating, Add</i>	8,101.82	
<i>For Class 56 Rating, Add</i>	10,740.29	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,743.86	3,519.38
			<i>For Class 52 Rating, Deduct</i>	-4,115.26	
			<i>For Class 54 Rating, Add</i>	5,675.71	
			<i>For Class 55 Rating, Add</i>	8,470.74	
			<i>For Class 56 Rating, Add</i>	11,228.35	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,390.38	3,523.58
			<i>For Class 52 Rating, Deduct</i>	-4,295.68	
			<i>For Class 54 Rating, Add</i>	5,921.81	
			<i>For Class 55 Rating, Add</i>	8,836.64	
			<i>For Class 56 Rating, Add</i>	11,712.43	
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,039.16	3,527.77
			<i>For Class 52 Rating, Deduct</i>	-4,476.34	
			<i>For Class 54 Rating, Add</i>	6,168.25	
			<i>For Class 55 Rating, Add</i>	9,203.05	
			<i>For Class 56 Rating, Add</i>	12,197.17	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,699.17	3,531.98
			<i>For Class 52 Rating, Deduct</i>	-4,658.25	
			<i>For Class 54 Rating, Add</i>	6,416.37	
			<i>For Class 55 Rating, Add</i>	9,571.97	
			<i>For Class 56 Rating, Add</i>	12,685.22	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,347.94	3,536.17
			<i>For Class 52 Rating, Deduct</i>	-4,838.91	
			<i>For Class 54 Rating, Add</i>	6,662.81	
			<i>For Class 55 Rating, Add</i>	9,938.38	
			<i>For Class 56 Rating, Add</i>	13,169.96	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,994.47	3,540.38
			<i>For Class 52 Rating, Deduct</i>	-5,019.33	
			<i>For Class 54 Rating, Add</i>	6,908.91	
			<i>For Class 55 Rating, Add</i>	10,304.29	
			<i>For Class 56 Rating, Add</i>	13,654.04	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,654.48	3,544.57
			<i>For Class 52 Rating, Deduct</i>	-5,201.23	
			<i>For Class 54 Rating, Add</i>	7,157.03	
			<i>For Class 55 Rating, Add</i>	10,673.21	
			<i>For Class 56 Rating, Add</i>	14,142.09	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,303.25	3,548.78
			<i>For Class 52 Rating, Deduct</i>	-5,381.90	
			<i>For Class 54 Rating, Add</i>	7,403.47	
			<i>For Class 55 Rating, Add</i>	11,039.62	
			<i>For Class 56 Rating, Add</i>	14,626.83	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,949.78	3,552.97
			<i>For Class 52 Rating, Deduct</i>	-5,562.31	
			<i>For Class 54 Rating, Add</i>	7,649.57	
			<i>For Class 55 Rating, Add</i>	11,405.52	
			<i>For Class 56 Rating, Add</i>	15,110.91	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,609.79	3,557.17
			<i>For Class 52 Rating, Deduct</i>	-5,744.21	
			<i>For Class 54 Rating, Add</i>	7,897.70	
			<i>For Class 55 Rating, Add</i>	11,774.44	
			<i>For Class 56 Rating, Add</i>	15,598.97	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,260.80	3,561.38
			<i>For Class 52 Rating, Deduct</i>	-5,925.13	
			<i>For Class 54 Rating, Add</i>	8,144.47	
			<i>For Class 55 Rating, Add</i>	12,141.35	
			<i>For Class 56 Rating, Add</i>	16,084.37	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,907.34	3,565.57
			<i>For Class 52 Rating, Deduct</i>	-6,105.54	
			<i>For Class 54 Rating, Add</i>	8,390.57	
			<i>For Class 55 Rating, Add</i>	12,507.26	
			<i>For Class 56 Rating, Add</i>	16,568.45	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,567.34	3,569.78
			<i>For Class 52 Rating, Deduct</i>	-6,287.44	
			<i>For Class 54 Rating, Add</i>	8,638.69	
			<i>For Class 55 Rating, Add</i>	12,876.18	
			<i>For Class 56 Rating, Add</i>	17,056.50	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,216.11	3,573.97
			<i>For Class 52 Rating, Deduct</i>	-6,468.11	
			<i>For Class 54 Rating, Add</i>	8,885.13	
			<i>For Class 55 Rating, Add</i>	13,242.59	
			<i>For Class 56 Rating, Add</i>	17,541.24	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,862.65	3,578.18
			<i>For Class 52 Rating, Deduct</i>	-6,648.53	
			<i>For Class 54 Rating, Add</i>	9,131.23	
			<i>For Class 55 Rating, Add</i>	13,608.50	
			<i>For Class 56 Rating, Add</i>	18,025.32	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,522.65	3,582.37
			<i>For Class 52 Rating, Deduct</i>	-6,830.43	
			<i>For Class 54 Rating, Add</i>	9,379.36	
			<i>For Class 55 Rating, Add</i>	13,977.41	
			<i>For Class 56 Rating, Add</i>	18,513.37	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,171.42	3,586.57
			<i>For Class 52 Rating, Deduct</i>	-7,011.09	
			<i>For Class 54 Rating, Add</i>	9,625.79	
			<i>For Class 55 Rating, Add</i>	14,343.82	
			<i>For Class 56 Rating, Add</i>	18,998.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,617.99	3,590.77
<i>For Class 52 Rating, Deduct</i>	-7,169.52	
<i>For Class 54 Rating, Add</i>	9,841.90	
<i>For Class 55 Rating, Add</i>	14,665.14	
<i>For Class 56 Rating, Add</i>	19,423.20	
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,488.21	3,594.97
<i>For Class 52 Rating, Deduct</i>	-7,373.66	
<i>For Class 54 Rating, Add</i>	10,120.36	
<i>For Class 55 Rating, Add</i>	15,079.15	
<i>For Class 56 Rating, Add</i>	19,970.91	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,126.74	3,599.17
<i>For Class 52 Rating, Deduct</i>	-7,554.08	
<i>For Class 54 Rating, Add</i>	10,366.46	
<i>For Class 55 Rating, Add</i>	15,445.06	
<i>For Class 56 Rating, Add</i>	20,454.98	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,788.99	3,603.37
<i>For Class 52 Rating, Deduct</i>	-7,736.23	
<i>For Class 54 Rating, Add</i>	10,614.92	
<i>For Class 55 Rating, Add</i>	15,814.47	
<i>For Class 56 Rating, Add</i>	20,943.70	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,435.51	3,607.57
<i>For Class 52 Rating, Deduct</i>	-7,916.65	
<i>For Class 54 Rating, Add</i>	10,861.02	
<i>For Class 55 Rating, Add</i>	16,180.38	
<i>For Class 56 Rating, Add</i>	21,427.78	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,082.04	3,611.77
<i>For Class 52 Rating, Deduct</i>	-8,097.06	
<i>For Class 54 Rating, Add</i>	11,107.12	
<i>For Class 55 Rating, Add</i>	16,546.29	
<i>For Class 56 Rating, Add</i>	21,911.86	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,744.29	3,615.97
<i>For Class 52 Rating, Deduct</i>	-8,279.21	
<i>For Class 54 Rating, Add</i>	11,355.58	
<i>For Class 55 Rating, Add</i>	16,915.71	
<i>For Class 56 Rating, Add</i>	22,400.57	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,390.82	3,620.17
<i>For Class 52 Rating, Deduct</i>	-8,459.63	
<i>For Class 54 Rating, Add</i>	11,601.68	
<i>For Class 55 Rating, Add</i>	17,281.62	
<i>For Class 56 Rating, Add</i>	22,884.65	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,039.60	3,624.37
<i>For Class 52 Rating, Deduct</i>	-8,640.29	
<i>For Class 54 Rating, Add</i>	11,848.12	
<i>For Class 55 Rating, Add</i>	17,648.03	
<i>For Class 56 Rating, Add</i>	23,369.39	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,699.60	3,628.57
<i>For Class 52 Rating, Deduct</i>	-8,822.19	
<i>For Class 54 Rating, Add</i>	12,096.24	
<i>For Class 55 Rating, Add</i>	18,016.94	
<i>For Class 56 Rating, Add</i>	23,857.44	
 40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	673.14	192.19
<i>For Class 52 Rating, Deduct</i>	-42.02	
<i>For Class 54 Rating, Add</i>	60.79	
<i>For Class 55 Rating, Add</i>	92.17	
<i>For Class 56 Rating, Add</i>	123.16	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.64	195.54
<i>For Class 52 Rating, Deduct</i>	-48.44	
<i>For Class 54 Rating, Add</i>	69.61	
<i>For Class 55 Rating, Add</i>	105.31	
<i>For Class 56 Rating, Add</i>	140.57	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	800.16	198.90
<i>For Class 52 Rating, Deduct</i>	-54.87	
<i>For Class 54 Rating, Add</i>	78.43	
<i>For Class 55 Rating, Add</i>	118.46	
<i>For Class 56 Rating, Add</i>	157.99	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	863.66	202.26
<i>For Class 52 Rating, Deduct</i>	-61.29	
<i>For Class 54 Rating, Add</i>	87.26	
<i>For Class 55 Rating, Add</i>	131.61	
<i>For Class 56 Rating, Add</i>	175.41	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	927.16	205.62
			<i>For Class 52 Rating, Deduct</i>	-67.72	
			<i>For Class 54 Rating, Add</i>	96.08	
			<i>For Class 55 Rating, Add</i>	144.76	
			<i>For Class 56 Rating, Add</i>	192.82	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	990.67	208.98
			<i>For Class 52 Rating, Deduct</i>	-74.14	
			<i>For Class 54 Rating, Add</i>	104.91	
			<i>For Class 55 Rating, Add</i>	157.91	
			<i>For Class 56 Rating, Add</i>	210.24	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,054.19	212.34
			<i>For Class 52 Rating, Deduct</i>	-80.57	
			<i>For Class 54 Rating, Add</i>	113.73	
			<i>For Class 55 Rating, Add</i>	171.06	
			<i>For Class 56 Rating, Add</i>	227.66	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.69	215.70
			<i>For Class 52 Rating, Deduct</i>	-87.00	
			<i>For Class 54 Rating, Add</i>	122.55	
			<i>For Class 55 Rating, Add</i>	184.21	
			<i>For Class 56 Rating, Add</i>	245.07	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.19	219.06
			<i>For Class 52 Rating, Deduct</i>	-93.42	
			<i>For Class 54 Rating, Add</i>	131.38	
			<i>For Class 55 Rating, Add</i>	197.36	
			<i>For Class 56 Rating, Add</i>	262.49	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.71	222.42
			<i>For Class 52 Rating, Deduct</i>	-99.85	
			<i>For Class 54 Rating, Add</i>	140.20	
			<i>For Class 55 Rating, Add</i>	210.51	
			<i>For Class 56 Rating, Add</i>	279.91	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.21	225.78
			<i>For Class 52 Rating, Deduct</i>	-106.27	
			<i>For Class 54 Rating, Add</i>	149.02	
			<i>For Class 55 Rating, Add</i>	223.65	
			<i>For Class 56 Rating, Add</i>	297.32	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,371.72	229.14
			<i>For Class 52 Rating, Deduct</i>	-112.70	
			<i>For Class 54 Rating, Add</i>	157.85	
			<i>For Class 55 Rating, Add</i>	236.80	
			<i>For Class 56 Rating, Add</i>	314.74	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,435.22	232.50
			<i>For Class 52 Rating, Deduct</i>	-119.13	
			<i>For Class 54 Rating, Add</i>	166.67	
			<i>For Class 55 Rating, Add</i>	249.95	
			<i>For Class 56 Rating, Add</i>	332.15	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.73	235.85
			<i>For Class 52 Rating, Deduct</i>	-125.55	
			<i>For Class 54 Rating, Add</i>	175.49	
			<i>For Class 55 Rating, Add</i>	263.10	
			<i>For Class 56 Rating, Add</i>	349.57	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,562.24	239.22
			<i>For Class 52 Rating, Deduct</i>	-131.98	
			<i>For Class 54 Rating, Add</i>	184.32	
			<i>For Class 55 Rating, Add</i>	276.25	
			<i>For Class 56 Rating, Add</i>	366.99	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,625.75	242.58
			<i>For Class 52 Rating, Deduct</i>	-138.40	
			<i>For Class 54 Rating, Add</i>	193.14	
			<i>For Class 55 Rating, Add</i>	289.40	
			<i>For Class 56 Rating, Add</i>	384.40	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.26	245.94
			<i>For Class 52 Rating, Deduct</i>	-144.83	
			<i>For Class 54 Rating, Add</i>	201.96	
			<i>For Class 55 Rating, Add</i>	302.55	
			<i>For Class 56 Rating, Add</i>	401.82	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.76	249.30
			<i>For Class 52 Rating, Deduct</i>	-151.25	
			<i>For Class 54 Rating, Add</i>	210.79	
			<i>For Class 55 Rating, Add</i>	315.70	
			<i>For Class 56 Rating, Add</i>	419.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574 EA 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,816.27	252.66
<i>For Class 52 Rating, Deduct</i>	-157.68	
<i>For Class 54 Rating, Add</i>	219.61	
<i>For Class 55 Rating, Add</i>	328.85	
<i>For Class 56 Rating, Add</i>	436.65	
40 05 19 00-0575 EA 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,879.78	256.01
<i>For Class 52 Rating, Deduct</i>	-164.11	
<i>For Class 54 Rating, Add</i>	228.44	
<i>For Class 55 Rating, Add</i>	342.00	
<i>For Class 56 Rating, Add</i>	454.07	
40 05 19 00-0576 EA 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,943.29	259.37
<i>For Class 52 Rating, Deduct</i>	-170.53	
<i>For Class 54 Rating, Add</i>	237.26	
<i>For Class 55 Rating, Add</i>	355.15	
<i>For Class 56 Rating, Add</i>	471.48	
40 05 19 00-0577 EA 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,006.79	262.74
<i>For Class 52 Rating, Deduct</i>	-176.96	
<i>For Class 54 Rating, Add</i>	246.08	
<i>For Class 55 Rating, Add</i>	368.30	
<i>For Class 56 Rating, Add</i>	488.90	
40 05 19 00-0578 EA 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.30	266.10
<i>For Class 52 Rating, Deduct</i>	-183.38	
<i>For Class 54 Rating, Add</i>	254.91	
<i>For Class 55 Rating, Add</i>	381.45	
<i>For Class 56 Rating, Add</i>	506.32	
40 05 19 00-0579 EA 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,133.80	269.46
<i>For Class 52 Rating, Deduct</i>	-189.81	
<i>For Class 54 Rating, Add</i>	263.73	
<i>For Class 55 Rating, Add</i>	394.59	
<i>For Class 56 Rating, Add</i>	523.73	
40 05 19 00-0580 EA 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.32	272.82
<i>For Class 52 Rating, Deduct</i>	-196.24	
<i>For Class 54 Rating, Add</i>	272.55	
<i>For Class 55 Rating, Add</i>	407.74	
<i>For Class 56 Rating, Add</i>	541.15	
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,260.83	276.18
<i>For Class 52 Rating, Deduct</i>	-202.66	
<i>For Class 54 Rating, Add</i>	281.38	
<i>For Class 55 Rating, Add</i>	420.89	
<i>For Class 56 Rating, Add</i>	558.57	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.32	279.53
<i>For Class 52 Rating, Deduct</i>	-209.09	
<i>For Class 54 Rating, Add</i>	290.20	
<i>For Class 55 Rating, Add</i>	434.04	
<i>For Class 56 Rating, Add</i>	575.98	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,387.84	282.89
<i>For Class 52 Rating, Deduct</i>	-215.51	
<i>For Class 54 Rating, Add</i>	299.03	
<i>For Class 55 Rating, Add</i>	447.19	
<i>For Class 56 Rating, Add</i>	593.40	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,451.35	286.26
<i>For Class 52 Rating, Deduct</i>	-221.94	
<i>For Class 54 Rating, Add</i>	307.85	
<i>For Class 55 Rating, Add</i>	460.34	
<i>For Class 56 Rating, Add</i>	610.81	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,514.85	289.62
<i>For Class 52 Rating, Deduct</i>	-228.36	
<i>For Class 54 Rating, Add</i>	316.67	
<i>For Class 55 Rating, Add</i>	473.49	
<i>For Class 56 Rating, Add</i>	628.23	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.35	292.98
<i>For Class 52 Rating, Deduct</i>	-234.79	
<i>For Class 54 Rating, Add</i>	325.50	
<i>For Class 55 Rating, Add</i>	486.64	
<i>For Class 56 Rating, Add</i>	645.65	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,641.87	296.34
<i>For Class 52 Rating, Deduct</i>	-241.22	
<i>For Class 54 Rating, Add</i>	334.32	
<i>For Class 55 Rating, Add</i>	499.79	
<i>For Class 56 Rating, Add</i>	663.06	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,705.37	299.69
			<i>For Class 52 Rating, Deduct</i>	-247.64	
			<i>For Class 54 Rating, Add</i>	343.14	
			<i>For Class 55 Rating, Add</i>	512.94	
			<i>For Class 56 Rating, Add</i>	680.48	
40 05 19 00-0589	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,768.88	303.05
			<i>For Class 52 Rating, Deduct</i>	-254.07	
			<i>For Class 54 Rating, Add</i>	351.97	
			<i>For Class 55 Rating, Add</i>	526.09	
			<i>For Class 56 Rating, Add</i>	697.89	
40 05 19 00-0590	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,832.40	306.41
			<i>For Class 52 Rating, Deduct</i>	-260.49	
			<i>For Class 54 Rating, Add</i>	360.79	
			<i>For Class 55 Rating, Add</i>	539.24	
			<i>For Class 56 Rating, Add</i>	715.31	
40 05 19 00-0591	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,895.89	309.78
			<i>For Class 52 Rating, Deduct</i>	-266.92	
			<i>For Class 54 Rating, Add</i>	369.61	
			<i>For Class 55 Rating, Add</i>	552.38	
			<i>For Class 56 Rating, Add</i>	732.73	
40 05 19 00-0592	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.40	313.14
			<i>For Class 52 Rating, Deduct</i>	-273.35	
			<i>For Class 54 Rating, Add</i>	378.44	
			<i>For Class 55 Rating, Add</i>	565.53	
			<i>For Class 56 Rating, Add</i>	750.14	
40 05 19 00-0593	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,022.91	316.50
			<i>For Class 52 Rating, Deduct</i>	-279.77	
			<i>For Class 54 Rating, Add</i>	387.26	
			<i>For Class 55 Rating, Add</i>	578.68	
			<i>For Class 56 Rating, Add</i>	767.56	
40 05 19 00-0594	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,086.42	319.85
			<i>For Class 52 Rating, Deduct</i>	-286.20	
			<i>For Class 54 Rating, Add</i>	396.08	
			<i>For Class 55 Rating, Add</i>	591.83	
			<i>For Class 56 Rating, Add</i>	784.97	
40 05 19 00-0595			6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0594)</small>		
40 05 19 00-0596	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	840.59	241.90
			<i>For Class 52 Rating, Deduct</i>	-52.15	
			<i>For Class 54 Rating, Add</i>	75.51	
			<i>For Class 55 Rating, Add</i>	114.51	
			<i>For Class 56 Rating, Add</i>	153.05	
40 05 19 00-0597	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	917.58	245.26
			<i>For Class 52 Rating, Deduct</i>	-60.06	
			<i>For Class 54 Rating, Add</i>	86.35	
			<i>For Class 55 Rating, Add</i>	130.67	
			<i>For Class 56 Rating, Add</i>	174.44	
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	994.58	248.63
			<i>For Class 52 Rating, Deduct</i>	-67.97	
			<i>For Class 54 Rating, Add</i>	97.20	
			<i>For Class 55 Rating, Add</i>	146.83	
			<i>For Class 56 Rating, Add</i>	195.83	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.57	251.99
			<i>For Class 52 Rating, Deduct</i>	-75.87	
			<i>For Class 54 Rating, Add</i>	108.05	
			<i>For Class 55 Rating, Add</i>	162.98	
			<i>For Class 56 Rating, Add</i>	217.23	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.55	255.34
			<i>For Class 52 Rating, Deduct</i>	-83.78	
			<i>For Class 54 Rating, Add</i>	118.89	
			<i>For Class 55 Rating, Add</i>	179.14	
			<i>For Class 56 Rating, Add</i>	238.62	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,225.53	258.70
			<i>For Class 52 Rating, Deduct</i>	-91.69	
			<i>For Class 54 Rating, Add</i>	129.74	
			<i>For Class 55 Rating, Add</i>	195.29	
			<i>For Class 56 Rating, Add</i>	260.01	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602 EA 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,302.53	262.06
<i>For Class 52 Rating, Deduct</i>	-99.60	
<i>For Class 54 Rating, Add</i>	140.58	
<i>For Class 55 Rating, Add</i>	211.45	
<i>For Class 56 Rating, Add</i>	281.41	
40 05 19 00-0603 EA 6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,379.52	265.42
<i>For Class 52 Rating, Deduct</i>	-107.51	
<i>For Class 54 Rating, Add</i>	151.43	
<i>For Class 55 Rating, Add</i>	227.60	
<i>For Class 56 Rating, Add</i>	302.80	
40 05 19 00-0604 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,456.50	268.78
<i>For Class 52 Rating, Deduct</i>	-115.42	
<i>For Class 54 Rating, Add</i>	162.28	
<i>For Class 55 Rating, Add</i>	243.76	
<i>For Class 56 Rating, Add</i>	324.19	
40 05 19 00-0605 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,533.48	272.15
<i>For Class 52 Rating, Deduct</i>	-123.33	
<i>For Class 54 Rating, Add</i>	173.12	
<i>For Class 55 Rating, Add</i>	259.91	
<i>For Class 56 Rating, Add</i>	345.58	
40 05 19 00-0606 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.48	275.50
<i>For Class 52 Rating, Deduct</i>	-131.24	
<i>For Class 54 Rating, Add</i>	183.97	
<i>For Class 55 Rating, Add</i>	276.07	
<i>For Class 56 Rating, Add</i>	366.98	
40 05 19 00-0607 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,687.47	278.86
<i>For Class 52 Rating, Deduct</i>	-139.14	
<i>For Class 54 Rating, Add</i>	194.81	
<i>For Class 55 Rating, Add</i>	292.22	
<i>For Class 56 Rating, Add</i>	388.37	
40 05 19 00-0608 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,764.46	282.22
<i>For Class 52 Rating, Deduct</i>	-147.05	
<i>For Class 54 Rating, Add</i>	205.66	
<i>For Class 55 Rating, Add</i>	308.38	
<i>For Class 56 Rating, Add</i>	409.76	
40 05 19 00-0609 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,841.44	285.58
<i>For Class 52 Rating, Deduct</i>	-154.96	
<i>For Class 54 Rating, Add</i>	216.50	
<i>For Class 55 Rating, Add</i>	324.53	
<i>For Class 56 Rating, Add</i>	431.16	
40 05 19 00-0610 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,918.43	288.94
<i>For Class 52 Rating, Deduct</i>	-162.87	
<i>For Class 54 Rating, Add</i>	227.35	
<i>For Class 55 Rating, Add</i>	340.69	
<i>For Class 56 Rating, Add</i>	452.55	
40 05 19 00-0611 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,995.42	292.30
<i>For Class 52 Rating, Deduct</i>	-170.78	
<i>For Class 54 Rating, Add</i>	238.20	
<i>For Class 55 Rating, Add</i>	356.85	
<i>For Class 56 Rating, Add</i>	473.94	
40 05 19 00-0612 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.41	295.67
<i>For Class 52 Rating, Deduct</i>	-178.69	
<i>For Class 54 Rating, Add</i>	249.04	
<i>For Class 55 Rating, Add</i>	373.00	
<i>For Class 56 Rating, Add</i>	495.34	
40 05 19 00-0613 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,149.40	299.02
<i>For Class 52 Rating, Deduct</i>	-186.60	
<i>For Class 54 Rating, Add</i>	259.89	
<i>For Class 55 Rating, Add</i>	389.16	
<i>For Class 56 Rating, Add</i>	516.73	
40 05 19 00-0614 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,226.38	302.38
<i>For Class 52 Rating, Deduct</i>	-194.51	
<i>For Class 54 Rating, Add</i>	270.73	
<i>For Class 55 Rating, Add</i>	405.31	
<i>For Class 56 Rating, Add</i>	538.12	
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,303.37	305.74
<i>For Class 52 Rating, Deduct</i>	-202.41	
<i>For Class 54 Rating, Add</i>	281.58	
<i>For Class 55 Rating, Add</i>	421.47	
<i>For Class 56 Rating, Add</i>	559.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,380.37	309.10
			<i>For Class 52 Rating, Deduct</i>	-210.32	
			<i>For Class 54 Rating, Add</i>	292.42	
			<i>For Class 55 Rating, Add</i>	437.62	
			<i>For Class 56 Rating, Add</i>	580.91	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,457.35	312.46
			<i>For Class 52 Rating, Deduct</i>	-218.23	
			<i>For Class 54 Rating, Add</i>	303.27	
			<i>For Class 55 Rating, Add</i>	453.78	
			<i>For Class 56 Rating, Add</i>	602.30	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,534.33	315.82
			<i>For Class 52 Rating, Deduct</i>	-226.14	
			<i>For Class 54 Rating, Add</i>	314.12	
			<i>For Class 55 Rating, Add</i>	469.93	
			<i>For Class 56 Rating, Add</i>	623.69	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,611.32	319.18
			<i>For Class 52 Rating, Deduct</i>	-234.05	
			<i>For Class 54 Rating, Add</i>	324.96	
			<i>For Class 55 Rating, Add</i>	486.09	
			<i>For Class 56 Rating, Add</i>	645.09	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.32	322.54
			<i>For Class 52 Rating, Deduct</i>	-241.96	
			<i>For Class 54 Rating, Add</i>	335.81	
			<i>For Class 55 Rating, Add</i>	502.24	
			<i>For Class 56 Rating, Add</i>	666.48	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,765.30	325.90
			<i>For Class 52 Rating, Deduct</i>	-249.87	
			<i>For Class 54 Rating, Add</i>	346.65	
			<i>For Class 55 Rating, Add</i>	518.40	
			<i>For Class 56 Rating, Add</i>	687.87	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,842.29	329.26
			<i>For Class 52 Rating, Deduct</i>	-257.78	
			<i>For Class 54 Rating, Add</i>	357.50	
			<i>For Class 55 Rating, Add</i>	534.55	
			<i>For Class 56 Rating, Add</i>	709.27	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.27	332.62
			<i>For Class 52 Rating, Deduct</i>	-265.68	
			<i>For Class 54 Rating, Add</i>	368.34	
			<i>For Class 55 Rating, Add</i>	550.71	
			<i>For Class 56 Rating, Add</i>	730.66	
40 05 19 00-0624	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,996.27	335.98
			<i>For Class 52 Rating, Deduct</i>	-273.59	
			<i>For Class 54 Rating, Add</i>	379.19	
			<i>For Class 55 Rating, Add</i>	566.87	
			<i>For Class 56 Rating, Add</i>	752.05	
40 05 19 00-0625	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.26	339.33
			<i>For Class 52 Rating, Deduct</i>	-281.50	
			<i>For Class 54 Rating, Add</i>	390.04	
			<i>For Class 55 Rating, Add</i>	583.02	
			<i>For Class 56 Rating, Add</i>	773.45	
40 05 19 00-0626	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,150.24	342.70
			<i>For Class 52 Rating, Deduct</i>	-289.41	
			<i>For Class 54 Rating, Add</i>	400.88	
			<i>For Class 55 Rating, Add</i>	599.17	
			<i>For Class 56 Rating, Add</i>	794.84	
40 05 19 00-0627	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,227.23	346.06
			<i>For Class 52 Rating, Deduct</i>	-297.32	
			<i>For Class 54 Rating, Add</i>	411.73	
			<i>For Class 55 Rating, Add</i>	615.33	
			<i>For Class 56 Rating, Add</i>	816.23	
40 05 19 00-0628	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,304.22	349.42
			<i>For Class 52 Rating, Deduct</i>	-305.23	
			<i>For Class 54 Rating, Add</i>	422.57	
			<i>For Class 55 Rating, Add</i>	631.49	
			<i>For Class 56 Rating, Add</i>	837.63	
40 05 19 00-0629	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,381.21	352.78
			<i>For Class 52 Rating, Deduct</i>	-313.14	
			<i>For Class 54 Rating, Add</i>	433.42	
			<i>For Class 55 Rating, Add</i>	647.64	
			<i>For Class 56 Rating, Add</i>	859.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,458.19	356.14
For Class 52 Rating, Deduct	-321.04	
For Class 54 Rating, Add	444.26	
For Class 55 Rating, Add	663.80	
For Class 56 Rating, Add	880.41	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,535.19	359.49
For Class 52 Rating, Deduct	-328.95	
For Class 54 Rating, Add	455.11	
For Class 55 Rating, Add	679.95	
For Class 56 Rating, Add	901.80	
40 05 19 00-0632 EA 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,612.17	362.85
For Class 52 Rating, Deduct	-336.86	
For Class 54 Rating, Add	465.96	
For Class 55 Rating, Add	696.11	
For Class 56 Rating, Add	923.20	
40 05 19 00-0633 EA 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,689.16	366.22
For Class 52 Rating, Deduct	-344.77	
For Class 54 Rating, Add	476.80	
For Class 55 Rating, Add	712.26	
For Class 56 Rating, Add	944.59	
40 05 19 00-0634 EA 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.15	369.58
For Class 52 Rating, Deduct	-352.68	
For Class 54 Rating, Add	487.65	
For Class 55 Rating, Add	728.42	
For Class 56 Rating, Add	965.98	
40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636 EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,160.35	309.10
For Class 52 Rating, Deduct	-76.12	
For Class 54 Rating, Add	109.42	
For Class 55 Rating, Add	165.56	
For Class 56 Rating, Add	221.00	
40 05 19 00-0637 EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,264.30	312.46
For Class 52 Rating, Deduct	-87.00	
For Class 54 Rating, Add	124.31	
For Class 55 Rating, Add	187.73	
For Class 56 Rating, Add	250.35	
40 05 19 00-0638 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,368.24	315.82
For Class 52 Rating, Deduct	-97.87	
For Class 54 Rating, Add	139.20	
For Class 55 Rating, Add	209.89	
For Class 56 Rating, Add	279.70	
40 05 19 00-0639 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,472.19	319.18
For Class 52 Rating, Deduct	-108.74	
For Class 54 Rating, Add	154.09	
For Class 55 Rating, Add	232.06	
For Class 56 Rating, Add	309.04	
40 05 19 00-0640 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,576.15	322.54
For Class 52 Rating, Deduct	-119.62	
For Class 54 Rating, Add	168.98	
For Class 55 Rating, Add	254.23	
For Class 56 Rating, Add	338.39	
40 05 19 00-0641 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,680.10	325.90
For Class 52 Rating, Deduct	-130.49	
For Class 54 Rating, Add	183.87	
For Class 55 Rating, Add	276.40	
For Class 56 Rating, Add	367.74	
40 05 19 00-0642 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.05	329.26
For Class 52 Rating, Deduct	-141.37	
For Class 54 Rating, Add	198.76	
For Class 55 Rating, Add	298.57	
For Class 56 Rating, Add	397.08	
40 05 19 00-0643 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,887.99	332.62
For Class 52 Rating, Deduct	-152.24	
For Class 54 Rating, Add	213.65	
For Class 55 Rating, Add	320.73	
For Class 56 Rating, Add	426.43	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,991.95	335.98
			<i>For Class 52 Rating, Deduct</i>	-163.12	
			<i>For Class 54 Rating, Add</i>	228.54	
			<i>For Class 55 Rating, Add</i>	342.90	
			<i>For Class 56 Rating, Add</i>	455.78	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,095.90	339.33
			<i>For Class 52 Rating, Deduct</i>	-173.99	
			<i>For Class 54 Rating, Add</i>	243.43	
			<i>For Class 55 Rating, Add</i>	365.07	
			<i>For Class 56 Rating, Add</i>	485.13	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,199.85	342.70
			<i>For Class 52 Rating, Deduct</i>	-184.87	
			<i>For Class 54 Rating, Add</i>	258.32	
			<i>For Class 55 Rating, Add</i>	387.24	
			<i>For Class 56 Rating, Add</i>	514.47	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,303.80	346.06
			<i>For Class 52 Rating, Deduct</i>	-195.74	
			<i>For Class 54 Rating, Add</i>	273.21	
			<i>For Class 55 Rating, Add</i>	409.41	
			<i>For Class 56 Rating, Add</i>	543.82	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,407.74	349.42
			<i>For Class 52 Rating, Deduct</i>	-206.62	
			<i>For Class 54 Rating, Add</i>	288.10	
			<i>For Class 55 Rating, Add</i>	431.57	
			<i>For Class 56 Rating, Add</i>	573.16	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,511.69	352.78
			<i>For Class 52 Rating, Deduct</i>	-217.49	
			<i>For Class 54 Rating, Add</i>	302.99	
			<i>For Class 55 Rating, Add</i>	453.74	
			<i>For Class 56 Rating, Add</i>	602.51	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,615.64	356.14
			<i>For Class 52 Rating, Deduct</i>	-228.36	
			<i>For Class 54 Rating, Add</i>	317.88	
			<i>For Class 55 Rating, Add</i>	475.91	
			<i>For Class 56 Rating, Add</i>	631.86	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,719.60	359.49
			<i>For Class 52 Rating, Deduct</i>	-239.24	
			<i>For Class 54 Rating, Add</i>	332.77	
			<i>For Class 55 Rating, Add</i>	498.08	
			<i>For Class 56 Rating, Add</i>	661.20	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,823.54	362.85
			<i>For Class 52 Rating, Deduct</i>	-250.11	
			<i>For Class 54 Rating, Add</i>	347.66	
			<i>For Class 55 Rating, Add</i>	520.24	
			<i>For Class 56 Rating, Add</i>	690.55	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.49	366.22
			<i>For Class 52 Rating, Deduct</i>	-260.99	
			<i>For Class 54 Rating, Add</i>	362.55	
			<i>For Class 55 Rating, Add</i>	542.41	
			<i>For Class 56 Rating, Add</i>	719.90	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.45	369.58
			<i>For Class 52 Rating, Deduct</i>	-271.86	
			<i>For Class 54 Rating, Add</i>	377.44	
			<i>For Class 55 Rating, Add</i>	564.58	
			<i>For Class 56 Rating, Add</i>	749.25	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.40	372.94
			<i>For Class 52 Rating, Deduct</i>	-282.74	
			<i>For Class 54 Rating, Add</i>	392.33	
			<i>For Class 55 Rating, Add</i>	586.75	
			<i>For Class 56 Rating, Add</i>	778.59	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,239.34	376.30
			<i>For Class 52 Rating, Deduct</i>	-293.61	
			<i>For Class 54 Rating, Add</i>	407.22	
			<i>For Class 55 Rating, Add</i>	608.91	
			<i>For Class 56 Rating, Add</i>	807.94	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,343.29	379.65
			<i>For Class 52 Rating, Deduct</i>	-304.49	
			<i>For Class 54 Rating, Add</i>	422.11	
			<i>For Class 55 Rating, Add</i>	631.08	
			<i>For Class 56 Rating, Add</i>	837.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,447.25	383.01
<i>For Class 52 Rating, Deduct</i>	-315.36	
<i>For Class 54 Rating, Add</i>	437.00	
<i>For Class 55 Rating, Add</i>	653.25	
<i>For Class 56 Rating, Add</i>	866.63	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,551.20	386.37
<i>For Class 52 Rating, Deduct</i>	-326.24	
<i>For Class 54 Rating, Add</i>	451.89	
<i>For Class 55 Rating, Add</i>	675.42	
<i>For Class 56 Rating, Add</i>	895.98	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,655.15	389.74
<i>For Class 52 Rating, Deduct</i>	-337.11	
<i>For Class 54 Rating, Add</i>	466.78	
<i>For Class 55 Rating, Add</i>	697.59	
<i>For Class 56 Rating, Add</i>	925.33	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,759.08	393.10
<i>For Class 52 Rating, Deduct</i>	-347.98	
<i>For Class 54 Rating, Add</i>	481.67	
<i>For Class 55 Rating, Add</i>	719.75	
<i>For Class 56 Rating, Add</i>	954.67	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.04	396.46
<i>For Class 52 Rating, Deduct</i>	-358.86	
<i>For Class 54 Rating, Add</i>	496.56	
<i>For Class 55 Rating, Add</i>	741.92	
<i>For Class 56 Rating, Add</i>	984.02	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,966.99	399.81
<i>For Class 52 Rating, Deduct</i>	-369.73	
<i>For Class 54 Rating, Add</i>	511.45	
<i>For Class 55 Rating, Add</i>	764.09	
<i>For Class 56 Rating, Add</i>	1,013.37	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,070.94	403.17
<i>For Class 52 Rating, Deduct</i>	-380.61	
<i>For Class 54 Rating, Add</i>	526.34	
<i>For Class 55 Rating, Add</i>	786.26	
<i>For Class 56 Rating, Add</i>	1,042.71	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,174.89	406.53
<i>For Class 52 Rating, Deduct</i>	-391.48	
<i>For Class 54 Rating, Add</i>	541.23	
<i>For Class 55 Rating, Add</i>	808.42	
<i>For Class 56 Rating, Add</i>	1,072.06	
40 05 19 00-0666 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,278.84	409.89
<i>For Class 52 Rating, Deduct</i>	-402.36	
<i>For Class 54 Rating, Add</i>	556.12	
<i>For Class 55 Rating, Add</i>	830.59	
<i>For Class 56 Rating, Add</i>	1,101.41	
40 05 19 00-0667 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,382.79	413.26
<i>For Class 52 Rating, Deduct</i>	-413.23	
<i>For Class 54 Rating, Add</i>	571.01	
<i>For Class 55 Rating, Add</i>	852.76	
<i>For Class 56 Rating, Add</i>	1,130.75	
40 05 19 00-0668 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,486.74	416.62
<i>For Class 52 Rating, Deduct</i>	-424.11	
<i>For Class 54 Rating, Add</i>	585.90	
<i>For Class 55 Rating, Add</i>	874.93	
<i>For Class 56 Rating, Add</i>	1,160.10	
40 05 19 00-0669 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,590.70	419.97
<i>For Class 52 Rating, Deduct</i>	-434.98	
<i>For Class 54 Rating, Add</i>	600.79	
<i>For Class 55 Rating, Add</i>	897.10	
<i>For Class 56 Rating, Add</i>	1,189.45	
40 05 19 00-0670 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,694.64	423.33
<i>For Class 52 Rating, Deduct</i>	-445.86	
<i>For Class 54 Rating, Add</i>	615.68	
<i>For Class 55 Rating, Add</i>	919.26	
<i>For Class 56 Rating, Add</i>	1,218.79	
40 05 19 00-0671 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.59	426.69
<i>For Class 52 Rating, Deduct</i>	-456.73	
<i>For Class 54 Rating, Add</i>	630.57	
<i>For Class 55 Rating, Add</i>	941.43	
<i>For Class 56 Rating, Add</i>	1,248.14	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,902.55	430.05
		<i>For Class 52 Rating, Deduct</i>		-467.60	
		<i>For Class 54 Rating, Add</i>		645.46	
		<i>For Class 55 Rating, Add</i>		963.60	
		<i>For Class 56 Rating, Add</i>		1,277.49	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,006.49	433.41
		<i>For Class 52 Rating, Deduct</i>		-478.48	
		<i>For Class 54 Rating, Add</i>		660.35	
		<i>For Class 55 Rating, Add</i>		985.77	
		<i>For Class 56 Rating, Add</i>		1,306.83	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,110.44	436.78
		<i>For Class 52 Rating, Deduct</i>		-489.35	
		<i>For Class 54 Rating, Add</i>		675.24	
		<i>For Class 55 Rating, Add</i>		1,007.93	
		<i>For Class 56 Rating, Add</i>		1,336.18	
40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>					
40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,455.38	376.30
		<i>For Class 52 Rating, Deduct</i>		-97.38	
		<i>For Class 54 Rating, Add</i>		139.63	
		<i>For Class 55 Rating, Add</i>		211.09	
		<i>For Class 56 Rating, Add</i>		281.67	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,590.78	379.65
		<i>For Class 52 Rating, Deduct</i>		-111.71	
		<i>For Class 54 Rating, Add</i>		159.24	
		<i>For Class 55 Rating, Add</i>		240.27	
		<i>For Class 56 Rating, Add</i>		320.30	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,726.20	383.01
		<i>For Class 52 Rating, Deduct</i>		-126.05	
		<i>For Class 54 Rating, Add</i>		178.84	
		<i>For Class 55 Rating, Add</i>		269.46	
		<i>For Class 56 Rating, Add</i>		358.92	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,861.60	386.37
		<i>For Class 52 Rating, Deduct</i>		-140.38	
		<i>For Class 54 Rating, Add</i>		198.45	
		<i>For Class 55 Rating, Add</i>		298.64	
		<i>For Class 56 Rating, Add</i>		397.55	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,997.01	389.74
		<i>For Class 52 Rating, Deduct</i>		-154.72	
		<i>For Class 54 Rating, Add</i>		218.06	
		<i>For Class 55 Rating, Add</i>		327.82	
		<i>For Class 56 Rating, Add</i>		436.18	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,132.40	393.10
		<i>For Class 52 Rating, Deduct</i>		-169.05	
		<i>For Class 54 Rating, Add</i>		237.67	
		<i>For Class 55 Rating, Add</i>		357.00	
		<i>For Class 56 Rating, Add</i>		474.80	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,267.82	396.46
		<i>For Class 52 Rating, Deduct</i>		-183.38	
		<i>For Class 54 Rating, Add</i>		257.28	
		<i>For Class 55 Rating, Add</i>		386.19	
		<i>For Class 56 Rating, Add</i>		513.43	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,403.22	399.81
		<i>For Class 52 Rating, Deduct</i>		-197.72	
		<i>For Class 54 Rating, Add</i>		276.89	
		<i>For Class 55 Rating, Add</i>		415.37	
		<i>For Class 56 Rating, Add</i>		552.05	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,538.62	403.17
		<i>For Class 52 Rating, Deduct</i>		-212.05	
		<i>For Class 54 Rating, Add</i>		296.49	
		<i>For Class 55 Rating, Add</i>		444.55	
		<i>For Class 56 Rating, Add</i>		590.68	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,674.03	406.53
		<i>For Class 52 Rating, Deduct</i>		-226.39	
		<i>For Class 54 Rating, Add</i>		316.10	
		<i>For Class 55 Rating, Add</i>		473.73	
		<i>For Class 56 Rating, Add</i>		629.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,809.43	409.89
Pipe	-240.72	
For Class 52 Rating, Deduct	335.71	
For Class 54 Rating, Add	502.91	
For Class 55 Rating, Add	667.93	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,944.84	413.26
Pipe	-255.06	
For Class 52 Rating, Deduct	355.32	
For Class 54 Rating, Add	532.10	
For Class 55 Rating, Add	706.56	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,080.24	416.62
Pipe	-269.39	
For Class 52 Rating, Deduct	374.93	
For Class 54 Rating, Add	561.28	
For Class 55 Rating, Add	745.18	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,215.66	419.97
Pipe	-283.73	
For Class 52 Rating, Deduct	394.54	
For Class 54 Rating, Add	590.46	
For Class 55 Rating, Add	783.81	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,351.05	423.33
Pipe	-298.06	
For Class 52 Rating, Deduct	414.14	
For Class 54 Rating, Add	619.64	
For Class 55 Rating, Add	822.43	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,486.46	426.69
Pipe	-312.40	
For Class 52 Rating, Deduct	433.75	
For Class 54 Rating, Add	648.83	
For Class 55 Rating, Add	861.06	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,621.87	430.05
Pipe	-326.73	
For Class 52 Rating, Deduct	453.36	
For Class 54 Rating, Add	678.01	
For Class 55 Rating, Add	899.69	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,757.27	433.41
Pipe	-341.06	
For Class 52 Rating, Deduct	472.97	
For Class 54 Rating, Add	707.19	
For Class 55 Rating, Add	938.31	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,892.68	436.78
Pipe	-355.40	
For Class 52 Rating, Deduct	492.58	
For Class 54 Rating, Add	736.37	
For Class 55 Rating, Add	976.94	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,028.07	440.13
Pipe	-369.73	
For Class 52 Rating, Deduct	512.18	
For Class 54 Rating, Add	765.55	
For Class 55 Rating, Add	1,015.56	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,163.49	443.49
Pipe	-384.07	
For Class 52 Rating, Deduct	531.79	
For Class 54 Rating, Add	794.74	
For Class 55 Rating, Add	1,054.19	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,298.89	446.85
Pipe	-398.40	
For Class 52 Rating, Deduct	551.40	
For Class 54 Rating, Add	823.92	
For Class 55 Rating, Add	1,092.82	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,434.30	450.21
Pipe	-412.74	
For Class 52 Rating, Deduct	571.01	
For Class 54 Rating, Add	853.10	
For Class 55 Rating, Add	1,131.44	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,569.69	453.57
Pipe	-427.07	
For Class 52 Rating, Deduct	590.62	
For Class 54 Rating, Add	882.28	
For Class 55 Rating, Add	1,170.07	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,705.10	456.93
		<i>For Class 52 Rating, Deduct</i>		-441.41	
		<i>For Class 54 Rating, Add</i>		610.22	
		<i>For Class 55 Rating, Add</i>		911.47	
		<i>For Class 56 Rating, Add</i>		1,208.69	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,840.51	460.29
		<i>For Class 52 Rating, Deduct</i>		-455.74	
		<i>For Class 54 Rating, Add</i>		629.83	
		<i>For Class 55 Rating, Add</i>		940.65	
		<i>For Class 56 Rating, Add</i>		1,247.32	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,975.91	463.65
		<i>For Class 52 Rating, Deduct</i>		-470.08	
		<i>For Class 54 Rating, Add</i>		649.44	
		<i>For Class 55 Rating, Add</i>		969.83	
		<i>For Class 56 Rating, Add</i>		1,285.95	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,111.33	467.01
		<i>For Class 52 Rating, Deduct</i>		-484.41	
		<i>For Class 54 Rating, Add</i>		669.05	
		<i>For Class 55 Rating, Add</i>		999.01	
		<i>For Class 56 Rating, Add</i>		1,324.57	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,246.72	470.37
		<i>For Class 52 Rating, Deduct</i>		-498.74	
		<i>For Class 54 Rating, Add</i>		688.66	
		<i>For Class 55 Rating, Add</i>		1,028.20	
		<i>For Class 56 Rating, Add</i>		1,363.20	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,382.13	473.73
		<i>For Class 52 Rating, Deduct</i>		-513.08	
		<i>For Class 54 Rating, Add</i>		708.27	
		<i>For Class 55 Rating, Add</i>		1,057.38	
		<i>For Class 56 Rating, Add</i>		1,401.83	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,517.53	477.09
		<i>For Class 52 Rating, Deduct</i>		-527.41	
		<i>For Class 54 Rating, Add</i>		727.87	
		<i>For Class 55 Rating, Add</i>		1,086.56	
		<i>For Class 56 Rating, Add</i>		1,440.45	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,652.95	480.44
		<i>For Class 52 Rating, Deduct</i>		-541.75	
		<i>For Class 54 Rating, Add</i>		747.48	
		<i>For Class 55 Rating, Add</i>		1,115.74	
		<i>For Class 56 Rating, Add</i>		1,479.08	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,788.34	483.81
		<i>For Class 52 Rating, Deduct</i>		-556.08	
		<i>For Class 54 Rating, Add</i>		767.09	
		<i>For Class 55 Rating, Add</i>		1,144.92	
		<i>For Class 56 Rating, Add</i>		1,517.70	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,923.74	487.17
		<i>For Class 52 Rating, Deduct</i>		-570.42	
		<i>For Class 54 Rating, Add</i>		786.70	
		<i>For Class 55 Rating, Add</i>		1,174.11	
		<i>For Class 56 Rating, Add</i>		1,556.33	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,059.16	490.53
		<i>For Class 52 Rating, Deduct</i>		-584.75	
		<i>For Class 54 Rating, Add</i>		806.31	
		<i>For Class 55 Rating, Add</i>		1,203.29	
		<i>For Class 56 Rating, Add</i>		1,594.96	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,194.56	493.89
		<i>For Class 52 Rating, Deduct</i>		-599.09	
		<i>For Class 54 Rating, Add</i>		825.92	
		<i>For Class 55 Rating, Add</i>		1,232.47	
		<i>For Class 56 Rating, Add</i>		1,633.58	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,329.97	497.25
		<i>For Class 52 Rating, Deduct</i>		-613.42	
		<i>For Class 54 Rating, Add</i>		845.52	
		<i>For Class 55 Rating, Add</i>		1,261.65	
		<i>For Class 56 Rating, Add</i>		1,672.21	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,465.36	500.60
		<i>For Class 52 Rating, Deduct</i>		-627.76	
		<i>For Class 54 Rating, Add</i>		865.13	
		<i>For Class 55 Rating, Add</i>		1,290.84	
		<i>For Class 56 Rating, Add</i>		1,710.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714 EA 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,600.78	503.96
For Class 52 Rating, Deduct	-642.09	
For Class 54 Rating, Add	884.74	
For Class 55 Rating, Add	1,320.02	
For Class 56 Rating, Add	1,749.46	
40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716 EA 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,885.51	470.37
For Class 52 Rating, Deduct	-129.01	
For Class 54 Rating, Add	184.48	
For Class 55 Rating, Add	278.65	
For Class 56 Rating, Add	371.64	
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,054.62	473.73
For Class 52 Rating, Deduct	-147.05	
For Class 54 Rating, Add	209.14	
For Class 55 Rating, Add	315.34	
For Class 56 Rating, Add	420.21	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,223.72	477.09
For Class 52 Rating, Deduct	-165.09	
For Class 54 Rating, Add	233.80	
For Class 55 Rating, Add	352.04	
For Class 56 Rating, Add	468.78	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,392.84	480.44
For Class 52 Rating, Deduct	-183.14	
For Class 54 Rating, Add	258.47	
For Class 55 Rating, Add	388.74	
For Class 56 Rating, Add	517.35	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.94	483.81
For Class 52 Rating, Deduct	-201.18	
For Class 54 Rating, Add	283.13	
For Class 55 Rating, Add	425.44	
For Class 56 Rating, Add	565.91	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,731.04	487.17
For Class 52 Rating, Deduct	-219.22	
For Class 54 Rating, Add	307.79	
For Class 55 Rating, Add	462.13	
For Class 56 Rating, Add	614.48	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,900.16	490.53
For Class 52 Rating, Deduct	-237.26	
For Class 54 Rating, Add	332.46	
For Class 55 Rating, Add	498.83	
For Class 56 Rating, Add	663.05	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,069.26	493.89
For Class 52 Rating, Deduct	-255.30	
For Class 54 Rating, Add	357.12	
For Class 55 Rating, Add	535.53	
For Class 56 Rating, Add	711.62	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,238.37	497.25
For Class 52 Rating, Deduct	-273.35	
For Class 54 Rating, Add	381.78	
For Class 55 Rating, Add	572.23	
For Class 56 Rating, Add	760.19	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,407.47	500.60
For Class 52 Rating, Deduct	-291.39	
For Class 54 Rating, Add	406.45	
For Class 55 Rating, Add	608.93	
For Class 56 Rating, Add	808.75	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.58	503.96
For Class 52 Rating, Deduct	-309.43	
For Class 54 Rating, Add	431.11	
For Class 55 Rating, Add	645.62	
For Class 56 Rating, Add	857.32	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,745.69	507.33
For Class 52 Rating, Deduct	-327.47	
For Class 54 Rating, Add	455.78	
For Class 55 Rating, Add	682.32	
For Class 56 Rating, Add	905.89	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,914.80	510.69
		<i>For Class 52 Rating, Deduct</i>		-345.51	
		<i>For Class 54 Rating, Add</i>		480.44	
		<i>For Class 55 Rating, Add</i>		719.02	
		<i>For Class 56 Rating, Add</i>		954.46	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,083.89	514.05
		<i>For Class 52 Rating, Deduct</i>		-363.55	
		<i>For Class 54 Rating, Add</i>		505.10	
		<i>For Class 55 Rating, Add</i>		755.72	
		<i>For Class 56 Rating, Add</i>		1,003.03	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,253.01	517.41
		<i>For Class 52 Rating, Deduct</i>		-381.60	
		<i>For Class 54 Rating, Add</i>		529.77	
		<i>For Class 55 Rating, Add</i>		792.42	
		<i>For Class 56 Rating, Add</i>		1,051.59	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,422.12	520.76
		<i>For Class 52 Rating, Deduct</i>		-399.64	
		<i>For Class 54 Rating, Add</i>		554.43	
		<i>For Class 55 Rating, Add</i>		829.11	
		<i>For Class 56 Rating, Add</i>		1,100.16	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,591.22	524.12
		<i>For Class 52 Rating, Deduct</i>		-417.68	
		<i>For Class 54 Rating, Add</i>		579.09	
		<i>For Class 55 Rating, Add</i>		865.81	
		<i>For Class 56 Rating, Add</i>		1,148.73	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,760.34	527.49
		<i>For Class 52 Rating, Deduct</i>		-435.72	
		<i>For Class 54 Rating, Add</i>		603.76	
		<i>For Class 55 Rating, Add</i>		902.51	
		<i>For Class 56 Rating, Add</i>		1,197.30	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,929.43	530.85
		<i>For Class 52 Rating, Deduct</i>		-453.76	
		<i>For Class 54 Rating, Add</i>		628.42	
		<i>For Class 55 Rating, Add</i>		939.21	
		<i>For Class 56 Rating, Add</i>		1,245.87	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,098.54	534.21
		<i>For Class 52 Rating, Deduct</i>		-471.81	
		<i>For Class 54 Rating, Add</i>		653.08	
		<i>For Class 55 Rating, Add</i>		975.90	
		<i>For Class 56 Rating, Add</i>		1,294.43	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,267.65	537.57
		<i>For Class 52 Rating, Deduct</i>		-489.85	
		<i>For Class 54 Rating, Add</i>		677.75	
		<i>For Class 55 Rating, Add</i>		1,012.60	
		<i>For Class 56 Rating, Add</i>		1,343.00	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,436.76	540.92
		<i>For Class 52 Rating, Deduct</i>		-507.89	
		<i>For Class 54 Rating, Add</i>		702.41	
		<i>For Class 55 Rating, Add</i>		1,049.30	
		<i>For Class 56 Rating, Add</i>		1,391.57	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,605.87	544.28
		<i>For Class 52 Rating, Deduct</i>		-525.93	
		<i>For Class 54 Rating, Add</i>		727.07	
		<i>For Class 55 Rating, Add</i>		1,086.00	
		<i>For Class 56 Rating, Add</i>		1,440.14	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,774.97	547.64
		<i>For Class 52 Rating, Deduct</i>		-543.97	
		<i>For Class 54 Rating, Add</i>		751.74	
		<i>For Class 55 Rating, Add</i>		1,122.70	
		<i>For Class 56 Rating, Add</i>		1,488.71	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,944.08	551.01
		<i>For Class 52 Rating, Deduct</i>		-562.01	
		<i>For Class 54 Rating, Add</i>		776.40	
		<i>For Class 55 Rating, Add</i>		1,159.39	
		<i>For Class 56 Rating, Add</i>		1,537.27	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,113.19	554.37
		<i>For Class 52 Rating, Deduct</i>		-580.06	
		<i>For Class 54 Rating, Add</i>		801.07	
		<i>For Class 55 Rating, Add</i>		1,196.09	
		<i>For Class 56 Rating, Add</i>		1,585.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,282.30	557.73
For Class 52 Rating, Deduct	-598.10	
For Class 54 Rating, Add	825.73	
For Class 55 Rating, Add	1,232.79	
For Class 56 Rating, Add	1,634.41	
40 05 19 00-0743 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,451.39	561.09
For Class 52 Rating, Deduct	-616.14	
For Class 54 Rating, Add	850.39	
For Class 55 Rating, Add	1,269.49	
For Class 56 Rating, Add	1,682.98	
40 05 19 00-0744 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,620.51	564.44
For Class 52 Rating, Deduct	-634.18	
For Class 54 Rating, Add	875.06	
For Class 55 Rating, Add	1,306.18	
For Class 56 Rating, Add	1,731.55	
40 05 19 00-0745 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,789.62	567.80
For Class 52 Rating, Deduct	-652.22	
For Class 54 Rating, Add	899.72	
For Class 55 Rating, Add	1,342.88	
For Class 56 Rating, Add	1,780.12	
40 05 19 00-0746 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,958.72	571.16
For Class 52 Rating, Deduct	-670.27	
For Class 54 Rating, Add	924.38	
For Class 55 Rating, Add	1,379.58	
For Class 56 Rating, Add	1,828.68	
40 05 19 00-0747 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,127.83	574.53
For Class 52 Rating, Deduct	-688.31	
For Class 54 Rating, Add	949.05	
For Class 55 Rating, Add	1,416.28	
For Class 56 Rating, Add	1,877.25	
40 05 19 00-0748 EA 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,296.93	577.89
For Class 52 Rating, Deduct	-706.35	
For Class 54 Rating, Add	973.71	
For Class 55 Rating, Add	1,452.97	
For Class 56 Rating, Add	1,925.82	
40 05 19 00-0749 EA 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,466.04	581.25
For Class 52 Rating, Deduct	-724.39	
For Class 54 Rating, Add	998.37	
For Class 55 Rating, Add	1,489.67	
For Class 56 Rating, Add	1,974.39	
40 05 19 00-0750 EA 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,635.15	584.60
For Class 52 Rating, Deduct	-742.43	
For Class 54 Rating, Add	1,023.04	
For Class 55 Rating, Add	1,526.37	
For Class 56 Rating, Add	2,022.96	
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,804.26	587.96
For Class 52 Rating, Deduct	-760.47	
For Class 54 Rating, Add	1,047.70	
For Class 55 Rating, Add	1,563.07	
For Class 56 Rating, Add	2,071.52	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,973.36	591.32
For Class 52 Rating, Deduct	-778.52	
For Class 54 Rating, Add	1,072.36	
For Class 55 Rating, Add	1,599.77	
For Class 56 Rating, Add	2,120.09	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,142.47	594.68
For Class 52 Rating, Deduct	-796.56	
For Class 54 Rating, Add	1,097.03	
For Class 55 Rating, Add	1,636.47	
For Class 56 Rating, Add	2,168.66	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,311.57	598.05
For Class 52 Rating, Deduct	-814.60	
For Class 54 Rating, Add	1,121.69	
For Class 55 Rating, Add	1,673.16	
For Class 56 Rating, Add	2,217.23	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,607.72	564.44
			<i>For Class 52 Rating, Deduct</i>	-192.78	
			<i>For Class 54 Rating, Add</i>	273.14	
			<i>For Class 55 Rating, Add</i>	411.33	
			<i>For Class 56 Rating, Add</i>	547.78	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,812.78	567.80
			<i>For Class 52 Rating, Deduct</i>	-214.77	
			<i>For Class 54 Rating, Add</i>	303.19	
			<i>For Class 55 Rating, Add</i>	456.05	
			<i>For Class 56 Rating, Add</i>	606.95	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,017.83	571.16
			<i>For Class 52 Rating, Deduct</i>	-236.77	
			<i>For Class 54 Rating, Add</i>	333.25	
			<i>For Class 55 Rating, Add</i>	500.76	
			<i>For Class 56 Rating, Add</i>	666.12	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,222.89	574.53
			<i>For Class 52 Rating, Deduct</i>	-258.76	
			<i>For Class 54 Rating, Add</i>	363.31	
			<i>For Class 55 Rating, Add</i>	545.48	
			<i>For Class 56 Rating, Add</i>	725.30	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,427.94	577.89
			<i>For Class 52 Rating, Deduct</i>	-280.76	
			<i>For Class 54 Rating, Add</i>	393.36	
			<i>For Class 55 Rating, Add</i>	590.19	
			<i>For Class 56 Rating, Add</i>	784.47	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,633.00	581.25
			<i>For Class 52 Rating, Deduct</i>	-302.76	
			<i>For Class 54 Rating, Add</i>	423.42	
			<i>For Class 55 Rating, Add</i>	634.91	
			<i>For Class 56 Rating, Add</i>	843.64	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,838.06	584.60
			<i>For Class 52 Rating, Deduct</i>	-324.75	
			<i>For Class 54 Rating, Add</i>	453.47	
			<i>For Class 55 Rating, Add</i>	679.62	
			<i>For Class 56 Rating, Add</i>	902.82	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,043.12	587.96
			<i>For Class 52 Rating, Deduct</i>	-346.75	
			<i>For Class 54 Rating, Add</i>	483.53	
			<i>For Class 55 Rating, Add</i>	724.33	
			<i>For Class 56 Rating, Add</i>	961.99	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,248.17	591.32
			<i>For Class 52 Rating, Deduct</i>	-368.75	
			<i>For Class 54 Rating, Add</i>	513.59	
			<i>For Class 55 Rating, Add</i>	769.05	
			<i>For Class 56 Rating, Add</i>	1,021.16	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,453.22	594.68
			<i>For Class 52 Rating, Deduct</i>	-390.74	
			<i>For Class 54 Rating, Add</i>	543.64	
			<i>For Class 55 Rating, Add</i>	813.76	
			<i>For Class 56 Rating, Add</i>	1,080.33	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,658.28	598.05
			<i>For Class 52 Rating, Deduct</i>	-412.74	
			<i>For Class 54 Rating, Add</i>	573.70	
			<i>For Class 55 Rating, Add</i>	858.48	
			<i>For Class 56 Rating, Add</i>	1,139.51	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,863.34	601.41
			<i>For Class 52 Rating, Deduct</i>	-434.73	
			<i>For Class 54 Rating, Add</i>	603.75	
			<i>For Class 55 Rating, Add</i>	903.19	
			<i>For Class 56 Rating, Add</i>	1,198.68	
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,068.40	604.76
			<i>For Class 52 Rating, Deduct</i>	-456.73	
			<i>For Class 54 Rating, Add</i>	633.81	
			<i>For Class 55 Rating, Add</i>	947.91	
			<i>For Class 56 Rating, Add</i>	1,257.85	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,273.44	608.12
			<i>For Class 52 Rating, Deduct</i>	-478.73	
			<i>For Class 54 Rating, Add</i>	663.86	
			<i>For Class 55 Rating, Add</i>	992.62	
			<i>For Class 56 Rating, Add</i>	1,317.02	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770 EA 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,478.51	611.48
For Class 52 Rating, Deduct	-500.72	
For Class 54 Rating, Add	693.92	
For Class 55 Rating, Add	1,037.34	
For Class 56 Rating, Add	1,376.20	
40 05 19 00-0771 EA 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,683.56	614.84
For Class 52 Rating, Deduct	-522.72	
For Class 54 Rating, Add	723.98	
For Class 55 Rating, Add	1,082.05	
For Class 56 Rating, Add	1,435.37	
40 05 19 00-0772 EA 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,888.62	618.20
For Class 52 Rating, Deduct	-544.71	
For Class 54 Rating, Add	754.03	
For Class 55 Rating, Add	1,126.76	
For Class 56 Rating, Add	1,494.55	
40 05 19 00-0773 EA 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,093.66	621.57
For Class 52 Rating, Deduct	-566.71	
For Class 54 Rating, Add	784.09	
For Class 55 Rating, Add	1,171.48	
For Class 56 Rating, Add	1,553.72	
40 05 19 00-0774 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,298.73	624.92
For Class 52 Rating, Deduct	-588.71	
For Class 54 Rating, Add	814.14	
For Class 55 Rating, Add	1,216.19	
For Class 56 Rating, Add	1,612.89	
40 05 19 00-0775 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,503.78	628.28
For Class 52 Rating, Deduct	-610.70	
For Class 54 Rating, Add	844.20	
For Class 55 Rating, Add	1,260.91	
For Class 56 Rating, Add	1,672.06	
40 05 19 00-0776 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,708.84	631.64
For Class 52 Rating, Deduct	-632.70	
For Class 54 Rating, Add	874.26	
For Class 55 Rating, Add	1,305.62	
For Class 56 Rating, Add	1,731.24	
40 05 19 00-0777 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,913.89	635.00
For Class 52 Rating, Deduct	-654.69	
For Class 54 Rating, Add	904.31	
For Class 55 Rating, Add	1,350.34	
For Class 56 Rating, Add	1,790.41	
40 05 19 00-0778 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,118.95	638.36
For Class 52 Rating, Deduct	-676.69	
For Class 54 Rating, Add	934.37	
For Class 55 Rating, Add	1,395.05	
For Class 56 Rating, Add	1,849.58	
40 05 19 00-0779 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,324.00	641.72
For Class 52 Rating, Deduct	-698.69	
For Class 54 Rating, Add	964.42	
For Class 55 Rating, Add	1,439.76	
For Class 56 Rating, Add	1,908.75	
40 05 19 00-0780 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,529.06	645.08
For Class 52 Rating, Deduct	-720.68	
For Class 54 Rating, Add	994.48	
For Class 55 Rating, Add	1,484.48	
For Class 56 Rating, Add	1,967.93	
40 05 19 00-0781 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,734.12	648.44
For Class 52 Rating, Deduct	-742.68	
For Class 54 Rating, Add	1,024.53	
For Class 55 Rating, Add	1,529.19	
For Class 56 Rating, Add	2,027.10	
40 05 19 00-0782 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,939.17	651.80
For Class 52 Rating, Deduct	-764.68	
For Class 54 Rating, Add	1,054.59	
For Class 55 Rating, Add	1,573.91	
For Class 56 Rating, Add	2,086.27	
40 05 19 00-0783 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,144.22	655.16
For Class 52 Rating, Deduct	-786.67	
For Class 54 Rating, Add	1,084.65	
For Class 55 Rating, Add	1,618.62	
For Class 56 Rating, Add	2,145.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,349.28	658.52
			<i>For Class 52 Rating, Deduct</i>	-808.67	
			<i>For Class 54 Rating, Add</i>	1,114.70	
			<i>For Class 55 Rating, Add</i>	1,663.34	
			<i>For Class 56 Rating, Add</i>	2,204.62	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,554.34	661.88
			<i>For Class 52 Rating, Deduct</i>	-830.66	
			<i>For Class 54 Rating, Add</i>	1,144.76	
			<i>For Class 55 Rating, Add</i>	1,708.05	
			<i>For Class 56 Rating, Add</i>	2,263.79	
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,759.40	665.23
			<i>For Class 52 Rating, Deduct</i>	-852.66	
			<i>For Class 54 Rating, Add</i>	1,174.81	
			<i>For Class 55 Rating, Add</i>	1,752.77	
			<i>For Class 56 Rating, Add</i>	2,322.97	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,964.45	668.60
			<i>For Class 52 Rating, Deduct</i>	-874.66	
			<i>For Class 54 Rating, Add</i>	1,204.87	
			<i>For Class 55 Rating, Add</i>	1,797.48	
			<i>For Class 56 Rating, Add</i>	2,382.14	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,169.51	671.96
			<i>For Class 52 Rating, Deduct</i>	-896.65	
			<i>For Class 54 Rating, Add</i>	1,234.93	
			<i>For Class 55 Rating, Add</i>	1,842.19	
			<i>For Class 56 Rating, Add</i>	2,441.31	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,374.57	675.32
			<i>For Class 52 Rating, Deduct</i>	-918.65	
			<i>For Class 54 Rating, Add</i>	1,264.98	
			<i>For Class 55 Rating, Add</i>	1,886.91	
			<i>For Class 56 Rating, Add</i>	2,500.49	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,579.62	678.68
			<i>For Class 52 Rating, Deduct</i>	-940.65	
			<i>For Class 54 Rating, Add</i>	1,295.04	
			<i>For Class 55 Rating, Add</i>	1,931.62	
			<i>For Class 56 Rating, Add</i>	2,559.66	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,784.68	682.04
			<i>For Class 52 Rating, Deduct</i>	-962.64	
			<i>For Class 54 Rating, Add</i>	1,325.09	
			<i>For Class 55 Rating, Add</i>	1,976.34	
			<i>For Class 56 Rating, Add</i>	2,618.83	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,989.73	685.39
			<i>For Class 52 Rating, Deduct</i>	-984.64	
			<i>For Class 54 Rating, Add</i>	1,355.15	
			<i>For Class 55 Rating, Add</i>	2,021.05	
			<i>For Class 56 Rating, Add</i>	2,678.00	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,194.79	688.75
			<i>For Class 52 Rating, Deduct</i>	-1,006.63	
			<i>For Class 54 Rating, Add</i>	1,385.21	
			<i>For Class 55 Rating, Add</i>	2,065.77	
			<i>For Class 56 Rating, Add</i>	2,737.18	
40 05 19 00-0794			16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,051.19	645.08
			<i>For Class 52 Rating, Deduct</i>	-228.12	
			<i>For Class 54 Rating, Add</i>	322.80	
			<i>For Class 55 Rating, Add</i>	485.91	
			<i>For Class 56 Rating, Add</i>	646.96	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,289.95	648.44
			<i>For Class 52 Rating, Deduct</i>	-253.82	
			<i>For Class 54 Rating, Add</i>	357.91	
			<i>For Class 55 Rating, Add</i>	538.14	
			<i>For Class 56 Rating, Add</i>	716.07	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,528.70	651.80
			<i>For Class 52 Rating, Deduct</i>	-279.52	
			<i>For Class 54 Rating, Add</i>	393.02	
			<i>For Class 55 Rating, Add</i>	590.37	
			<i>For Class 56 Rating, Add</i>	785.19	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,767.46	655.16
Pipe	-305.23	
For Class 52 Rating, Deduct	428.13	
For Class 54 Rating, Add	642.60	
For Class 55 Rating, Add	854.30	
For Class 56 Rating, Add	4,006.22	658.52
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,006.22	658.52
Pipe	-330.93	
For Class 52 Rating, Deduct	463.24	
For Class 54 Rating, Add	694.83	
For Class 55 Rating, Add	923.42	
For Class 56 Rating, Add	4,244.98	661.88
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,244.98	661.88
Pipe	-356.63	
For Class 52 Rating, Deduct	498.35	
For Class 54 Rating, Add	747.06	
For Class 55 Rating, Add	992.53	
For Class 56 Rating, Add	4,483.74	665.23
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,483.74	665.23
Pipe	-382.34	
For Class 52 Rating, Deduct	533.47	
For Class 54 Rating, Add	799.29	
For Class 55 Rating, Add	1,061.65	
For Class 56 Rating, Add	4,722.49	668.60
40 05 19 00-0802 EA 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,722.49	668.60
Pipe	-408.04	
For Class 52 Rating, Deduct	568.58	
For Class 54 Rating, Add	851.52	
For Class 55 Rating, Add	1,130.76	
For Class 56 Rating, Add	4,961.25	671.96
40 05 19 00-0803 EA 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,961.25	671.96
Pipe	-433.74	
For Class 52 Rating, Deduct	603.69	
For Class 54 Rating, Add	903.75	
For Class 55 Rating, Add	1,199.88	
For Class 56 Rating, Add	5,177.54	675.32
40 05 19 00-0804 EA 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	5,177.54	675.32
Pipe	-456.98	
For Class 52 Rating, Deduct	635.43	
For Class 54 Rating, Add	950.97	
For Class 55 Rating, Add	1,262.36	
For Class 56 Rating, Add	5,438.77	678.68
40 05 19 00-0805 EA 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	5,438.77	678.68
Pipe	-485.15	
For Class 52 Rating, Deduct	673.91	
For Class 54 Rating, Add	1,008.21	
For Class 55 Rating, Add	1,338.11	
For Class 56 Rating, Add	5,677.53	682.04
40 05 19 00-0806 EA 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	5,677.53	682.04
Pipe	-510.86	
For Class 52 Rating, Deduct	709.02	
For Class 54 Rating, Add	1,060.44	
For Class 55 Rating, Add	1,407.22	
For Class 56 Rating, Add	5,916.28	685.39
40 05 19 00-0807 EA 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	5,916.28	685.39
Pipe	-536.56	
For Class 52 Rating, Deduct	744.13	
For Class 54 Rating, Add	1,112.67	
For Class 55 Rating, Add	1,476.34	
For Class 56 Rating, Add	6,155.04	688.75
40 05 19 00-0808 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	6,155.04	688.75
Pipe	-562.26	
For Class 52 Rating, Deduct	779.24	
For Class 54 Rating, Add	1,164.90	
For Class 55 Rating, Add	1,545.45	
For Class 56 Rating, Add	6,393.80	692.12
40 05 19 00-0809 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	6,393.80	692.12
Pipe	-587.97	
For Class 52 Rating, Deduct	814.35	
For Class 54 Rating, Add	1,217.13	
For Class 55 Rating, Add	1,614.57	
For Class 56 Rating, Add	6,632.55	695.48
40 05 19 00-0810 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	6,632.55	695.48
Pipe	-613.67	
For Class 52 Rating, Deduct	849.47	
For Class 54 Rating, Add	1,269.36	
For Class 55 Rating, Add	1,683.68	
For Class 56 Rating, Add	6,871.31	698.84
40 05 19 00-0811 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	6,871.31	698.84
Pipe	-639.37	
For Class 52 Rating, Deduct	884.58	
For Class 54 Rating, Add	1,321.59	
For Class 55 Rating, Add	1,752.80	
For Class 56 Rating, Add		

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,110.07	702.20
		<i>For Class 52 Rating, Deduct</i>		-665.08	
		<i>For Class 54 Rating, Add</i>		919.69	
		<i>For Class 55 Rating, Add</i>		1,373.82	
		<i>For Class 56 Rating, Add</i>		1,821.91	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,348.83	705.55
		<i>For Class 52 Rating, Deduct</i>		-690.78	
		<i>For Class 54 Rating, Add</i>		954.80	
		<i>For Class 55 Rating, Add</i>		1,426.05	
		<i>For Class 56 Rating, Add</i>		1,891.03	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,587.59	708.91
		<i>For Class 52 Rating, Deduct</i>		-716.48	
		<i>For Class 54 Rating, Add</i>		989.91	
		<i>For Class 55 Rating, Add</i>		1,478.28	
		<i>For Class 56 Rating, Add</i>		1,960.14	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,826.35	712.27
		<i>For Class 52 Rating, Deduct</i>		-742.19	
		<i>For Class 54 Rating, Add</i>		1,025.02	
		<i>For Class 55 Rating, Add</i>		1,530.51	
		<i>For Class 56 Rating, Add</i>		2,029.26	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,065.10	715.64
		<i>For Class 52 Rating, Deduct</i>		-767.89	
		<i>For Class 54 Rating, Add</i>		1,060.13	
		<i>For Class 55 Rating, Add</i>		1,582.74	
		<i>For Class 56 Rating, Add</i>		2,098.37	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,303.85	719.00
		<i>For Class 52 Rating, Deduct</i>		-793.59	
		<i>For Class 54 Rating, Add</i>		1,095.24	
		<i>For Class 55 Rating, Add</i>		1,634.97	
		<i>For Class 56 Rating, Add</i>		2,167.49	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,542.62	722.36
		<i>For Class 52 Rating, Deduct</i>		-819.30	
		<i>For Class 54 Rating, Add</i>		1,130.35	
		<i>For Class 55 Rating, Add</i>		1,687.20	
		<i>For Class 56 Rating, Add</i>		2,236.60	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,781.38	725.71
		<i>For Class 52 Rating, Deduct</i>		-845.00	
		<i>For Class 54 Rating, Add</i>		1,165.47	
		<i>For Class 55 Rating, Add</i>		1,739.43	
		<i>For Class 56 Rating, Add</i>		2,305.72	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,020.13	729.07
		<i>For Class 52 Rating, Deduct</i>		-870.70	
		<i>For Class 54 Rating, Add</i>		1,200.58	
		<i>For Class 55 Rating, Add</i>		1,791.66	
		<i>For Class 56 Rating, Add</i>		2,374.83	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,258.89	732.43
		<i>For Class 52 Rating, Deduct</i>		-896.41	
		<i>For Class 54 Rating, Add</i>		1,235.69	
		<i>For Class 55 Rating, Add</i>		1,843.89	
		<i>For Class 56 Rating, Add</i>		2,443.95	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,497.65	735.79
		<i>For Class 52 Rating, Deduct</i>		-922.11	
		<i>For Class 54 Rating, Add</i>		1,270.80	
		<i>For Class 55 Rating, Add</i>		1,896.12	
		<i>For Class 56 Rating, Add</i>		2,513.06	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,736.41	739.16
		<i>For Class 52 Rating, Deduct</i>		-947.81	
		<i>For Class 54 Rating, Add</i>		1,305.91	
		<i>For Class 55 Rating, Add</i>		1,948.35	
		<i>For Class 56 Rating, Add</i>		2,582.18	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,975.17	742.52
		<i>For Class 52 Rating, Deduct</i>		-973.52	
		<i>For Class 54 Rating, Add</i>		1,341.02	
		<i>For Class 55 Rating, Add</i>		2,000.58	
		<i>For Class 56 Rating, Add</i>		2,651.29	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		10,213.92	745.87
		<i>For Class 52 Rating, Deduct</i>		-999.22	
		<i>For Class 54 Rating, Add</i>		1,376.13	
		<i>For Class 55 Rating, Add</i>		2,052.81	
		<i>For Class 56 Rating, Add</i>		2,720.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,452.68	749.23
Pipe	10,452.68	
For Class 52 Rating, Deduct	-1,024.92	
For Class 54 Rating, Add	1,411.24	
For Class 55 Rating, Add	2,105.04	
For Class 56 Rating, Add	2,789.52	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,691.44	752.59
Pipe	10,691.44	
For Class 52 Rating, Deduct	-1,050.63	
For Class 54 Rating, Add	1,446.36	
For Class 55 Rating, Add	2,157.27	
For Class 56 Rating, Add	2,858.64	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,930.19	755.95
Pipe	10,930.19	
For Class 52 Rating, Deduct	-1,076.33	
For Class 54 Rating, Add	1,481.47	
For Class 55 Rating, Add	2,209.50	
For Class 56 Rating, Add	2,927.75	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,168.95	759.31
Pipe	11,168.95	
For Class 52 Rating, Deduct	-1,102.03	
For Class 54 Rating, Add	1,516.58	
For Class 55 Rating, Add	2,261.73	
For Class 56 Rating, Add	2,996.87	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,407.71	762.68
Pipe	11,407.71	
For Class 52 Rating, Deduct	-1,127.74	
For Class 54 Rating, Add	1,551.69	
For Class 55 Rating, Add	2,313.96	
For Class 56 Rating, Add	3,065.98	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,646.47	766.03
Pipe	11,646.47	
For Class 52 Rating, Deduct	-1,153.44	
For Class 54 Rating, Add	1,586.80	
For Class 55 Rating, Add	2,366.19	
For Class 56 Rating, Add	3,135.10	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,885.23	769.39
Pipe	11,885.23	
For Class 52 Rating, Deduct	-1,179.14	
For Class 54 Rating, Add	1,621.91	
For Class 55 Rating, Add	2,418.42	
For Class 56 Rating, Add	3,204.21	
40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,561.85	727.06
Pipe	3,561.85	
For Class 52 Rating, Deduct	-270.63	
For Class 54 Rating, Add	382.26	
For Class 55 Rating, Add	575.07	
For Class 56 Rating, Add	765.43	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	3,836.56	730.42
Pipe	3,836.56	
For Class 52 Rating, Deduct	-300.28	
For Class 54 Rating, Add	422.76	
For Class 55 Rating, Add	635.32	
For Class 56 Rating, Add	845.15	
40 05 19 00-0836 EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,111.26	733.78
Pipe	4,111.26	
For Class 52 Rating, Deduct	-329.94	
For Class 54 Rating, Add	463.26	
For Class 55 Rating, Add	695.57	
For Class 56 Rating, Add	924.87	
40 05 19 00-0837 EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,385.96	737.14
Pipe	4,385.96	
For Class 52 Rating, Deduct	-359.60	
For Class 54 Rating, Add	503.77	
For Class 55 Rating, Add	755.81	
For Class 56 Rating, Add	1,004.59	
40 05 19 00-0838 EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,660.68	740.50
Pipe	4,660.68	
For Class 52 Rating, Deduct	-389.26	
For Class 54 Rating, Add	544.27	
For Class 55 Rating, Add	816.06	
For Class 56 Rating, Add	1,084.31	
40 05 19 00-0839 EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	4,935.39	743.87
Pipe	4,935.39	
For Class 52 Rating, Deduct	-418.92	
For Class 54 Rating, Add	584.77	
For Class 55 Rating, Add	876.31	
For Class 56 Rating, Add	1,164.03	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,210.08	747.22
		<i>For Class 52 Rating, Deduct</i>		-448.57	
		<i>For Class 54 Rating, Add</i>		625.28	
		<i>For Class 55 Rating, Add</i>		936.55	
		<i>For Class 56 Rating, Add</i>		1,243.75	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,484.79	750.58
		<i>For Class 52 Rating, Deduct</i>		-478.23	
		<i>For Class 54 Rating, Add</i>		665.78	
		<i>For Class 55 Rating, Add</i>		996.80	
		<i>For Class 56 Rating, Add</i>		1,323.47	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,759.50	753.94
		<i>For Class 52 Rating, Deduct</i>		-507.89	
		<i>For Class 54 Rating, Add</i>		706.28	
		<i>For Class 55 Rating, Add</i>		1,057.04	
		<i>For Class 56 Rating, Add</i>		1,403.19	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,034.21	757.30
		<i>For Class 52 Rating, Deduct</i>		-537.55	
		<i>For Class 54 Rating, Add</i>		746.79	
		<i>For Class 55 Rating, Add</i>		1,117.29	
		<i>For Class 56 Rating, Add</i>		1,482.91	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,308.92	760.66
		<i>For Class 52 Rating, Deduct</i>		-567.21	
		<i>For Class 54 Rating, Add</i>		787.29	
		<i>For Class 55 Rating, Add</i>		1,177.54	
		<i>For Class 56 Rating, Add</i>		1,562.63	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,583.62	764.02
		<i>For Class 52 Rating, Deduct</i>		-596.86	
		<i>For Class 54 Rating, Add</i>		827.79	
		<i>For Class 55 Rating, Add</i>		1,237.78	
		<i>For Class 56 Rating, Add</i>		1,642.35	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,858.33	767.38
		<i>For Class 52 Rating, Deduct</i>		-626.52	
		<i>For Class 54 Rating, Add</i>		868.30	
		<i>For Class 55 Rating, Add</i>		1,298.03	
		<i>For Class 56 Rating, Add</i>		1,722.07	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,133.03	770.74
		<i>For Class 52 Rating, Deduct</i>		-656.18	
		<i>For Class 54 Rating, Add</i>		908.80	
		<i>For Class 55 Rating, Add</i>		1,358.28	
		<i>For Class 56 Rating, Add</i>		1,801.79	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,407.74	774.10
		<i>For Class 52 Rating, Deduct</i>		-685.84	
		<i>For Class 54 Rating, Add</i>		949.30	
		<i>For Class 55 Rating, Add</i>		1,418.52	
		<i>For Class 56 Rating, Add</i>		1,881.51	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,682.46	777.46
		<i>For Class 52 Rating, Deduct</i>		-715.49	
		<i>For Class 54 Rating, Add</i>		989.81	
		<i>For Class 55 Rating, Add</i>		1,478.77	
		<i>For Class 56 Rating, Add</i>		1,961.23	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,957.15	780.82
		<i>For Class 52 Rating, Deduct</i>		-745.15	
		<i>For Class 54 Rating, Add</i>		1,030.31	
		<i>For Class 55 Rating, Add</i>		1,539.02	
		<i>For Class 56 Rating, Add</i>		2,040.95	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,231.86	784.18
		<i>For Class 52 Rating, Deduct</i>		-774.81	
		<i>For Class 54 Rating, Add</i>		1,070.82	
		<i>For Class 55 Rating, Add</i>		1,599.26	
		<i>For Class 56 Rating, Add</i>		2,120.67	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,506.57	787.53
		<i>For Class 52 Rating, Deduct</i>		-804.47	
		<i>For Class 54 Rating, Add</i>		1,111.32	
		<i>For Class 55 Rating, Add</i>		1,659.51	
		<i>For Class 56 Rating, Add</i>		2,200.39	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,781.28	790.90
		<i>For Class 52 Rating, Deduct</i>		-834.12	
		<i>For Class 54 Rating, Add</i>		1,151.82	
		<i>For Class 55 Rating, Add</i>		1,719.76	
		<i>For Class 56 Rating, Add</i>		2,280.11	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,055.98	794.26
Pipe	-863.78	
For Class 52 Rating, Deduct	1,192.33	
For Class 54 Rating, Add	1,780.00	
For Class 55 Rating, Add	2,359.83	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,330.68	797.62
Pipe	-893.44	
For Class 52 Rating, Deduct	1,232.83	
For Class 54 Rating, Add	1,840.25	
For Class 55 Rating, Add	2,439.55	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,605.40	800.98
Pipe	-923.10	
For Class 52 Rating, Deduct	1,273.33	
For Class 54 Rating, Add	1,900.50	
For Class 55 Rating, Add	2,519.27	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,880.10	804.34
Pipe	-952.76	
For Class 52 Rating, Deduct	1,313.84	
For Class 54 Rating, Add	1,960.74	
For Class 55 Rating, Add	2,598.99	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,154.81	807.69
Pipe	-982.41	
For Class 52 Rating, Deduct	1,354.34	
For Class 54 Rating, Add	2,020.99	
For Class 55 Rating, Add	2,678.71	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,429.51	811.05
Pipe	-1,012.07	
For Class 52 Rating, Deduct	1,394.84	
For Class 54 Rating, Add	2,081.24	
For Class 55 Rating, Add	2,758.43	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,704.22	814.42
Pipe	-1,041.73	
For Class 52 Rating, Deduct	1,435.35	
For Class 54 Rating, Add	2,141.48	
For Class 55 Rating, Add	2,838.15	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,978.93	817.78
Pipe	-1,071.39	
For Class 52 Rating, Deduct	1,475.85	
For Class 54 Rating, Add	2,201.73	
For Class 55 Rating, Add	2,917.87	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,253.63	821.14
Pipe	-1,101.04	
For Class 52 Rating, Deduct	1,516.35	
For Class 54 Rating, Add	2,261.98	
For Class 55 Rating, Add	2,997.59	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,528.34	824.50
Pipe	-1,130.70	
For Class 52 Rating, Deduct	1,556.86	
For Class 54 Rating, Add	2,322.22	
For Class 55 Rating, Add	3,077.31	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,803.05	827.85
Pipe	-1,160.36	
For Class 52 Rating, Deduct	1,597.36	
For Class 54 Rating, Add	2,382.47	
For Class 55 Rating, Add	3,157.03	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,077.75	831.21
Pipe	-1,190.02	
For Class 52 Rating, Deduct	1,637.86	
For Class 54 Rating, Add	2,442.72	
For Class 55 Rating, Add	3,236.75	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,352.46	834.57
Pipe	-1,219.68	
For Class 52 Rating, Deduct	1,678.37	
For Class 54 Rating, Add	2,502.96	
For Class 55 Rating, Add	3,316.47	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,627.17	837.94
Pipe	-1,249.33	
For Class 52 Rating, Deduct	1,718.87	
For Class 54 Rating, Add	2,563.21	
For Class 55 Rating, Add	3,396.19	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		12,901.87	841.30
		<i>For Class 52 Rating, Deduct</i>		-1,278.99	
		<i>For Class 54 Rating, Add</i>		1,759.37	
		<i>For Class 55 Rating, Add</i>		2,623.46	
		<i>For Class 56 Rating, Add</i>		3,475.91	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,176.58	844.66
		<i>For Class 52 Rating, Deduct</i>		-1,308.65	
		<i>For Class 54 Rating, Add</i>		1,799.88	
		<i>For Class 55 Rating, Add</i>		2,683.70	
		<i>For Class 56 Rating, Add</i>		3,555.63	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,451.28	848.02
		<i>For Class 52 Rating, Deduct</i>		-1,338.31	
		<i>For Class 54 Rating, Add</i>		1,840.38	
		<i>For Class 55 Rating, Add</i>		2,743.95	
		<i>For Class 56 Rating, Add</i>		3,635.35	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,726.00	851.37
		<i>For Class 52 Rating, Deduct</i>		-1,367.96	
		<i>For Class 54 Rating, Add</i>		1,880.89	
		<i>For Class 55 Rating, Add</i>		2,804.20	
		<i>For Class 56 Rating, Add</i>		3,715.07	
40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>					
40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,131.04	829.86
		<i>For Class 52 Rating, Deduct</i>		-316.10	
		<i>For Class 54 Rating, Add</i>		446.14	
		<i>For Class 55 Rating, Add</i>		671.00	
		<i>For Class 56 Rating, Add</i>		893.00	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,446.19	833.23
		<i>For Class 52 Rating, Deduct</i>		-350.21	
		<i>For Class 54 Rating, Add</i>		492.71	
		<i>For Class 55 Rating, Add</i>		740.27	
		<i>For Class 56 Rating, Add</i>		984.65	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,761.32	836.59
		<i>For Class 52 Rating, Deduct</i>		-384.31	
		<i>For Class 54 Rating, Add</i>		539.28	
		<i>For Class 55 Rating, Add</i>		809.53	
		<i>For Class 56 Rating, Add</i>		1,076.29	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,076.47	839.95
		<i>For Class 52 Rating, Deduct</i>		-418.42	
		<i>For Class 54 Rating, Add</i>		585.85	
		<i>For Class 55 Rating, Add</i>		878.80	
		<i>For Class 56 Rating, Add</i>		1,167.94	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,391.63	843.31
		<i>For Class 52 Rating, Deduct</i>		-452.53	
		<i>For Class 54 Rating, Add</i>		632.42	
		<i>For Class 55 Rating, Add</i>		948.06	
		<i>For Class 56 Rating, Add</i>		1,259.60	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,706.78	846.67
		<i>For Class 52 Rating, Deduct</i>		-486.63	
		<i>For Class 54 Rating, Add</i>		678.99	
		<i>For Class 55 Rating, Add</i>		1,017.33	
		<i>For Class 56 Rating, Add</i>		1,351.25	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,021.93	850.02
		<i>For Class 52 Rating, Deduct</i>		-520.74	
		<i>For Class 54 Rating, Add</i>		725.56	
		<i>For Class 55 Rating, Add</i>		1,086.59	
		<i>For Class 56 Rating, Add</i>		1,442.90	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,337.08	853.38
		<i>For Class 52 Rating, Deduct</i>		-554.85	
		<i>For Class 54 Rating, Add</i>		772.13	
		<i>For Class 55 Rating, Add</i>		1,155.86	
		<i>For Class 56 Rating, Add</i>		1,534.55	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,652.22	856.75
		<i>For Class 52 Rating, Deduct</i>		-588.95	
		<i>For Class 54 Rating, Add</i>		818.70	
		<i>For Class 55 Rating, Add</i>		1,225.12	
		<i>For Class 56 Rating, Add</i>		1,626.20	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882	EA			20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,967.37	860.11
				For Class 52 Rating, Deduct	-623.06	
				For Class 54 Rating, Add	865.27	
				For Class 55 Rating, Add	1,294.39	
				For Class 56 Rating, Add	1,717.85	
40 05 19 00-0883	EA			20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,282.52	863.47
				For Class 52 Rating, Deduct	-657.17	
				For Class 54 Rating, Add	911.84	
				For Class 55 Rating, Add	1,363.65	
				For Class 56 Rating, Add	1,809.50	
40 05 19 00-0884	EA			20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,597.67	866.83
				For Class 52 Rating, Deduct	-691.27	
				For Class 54 Rating, Add	958.41	
				For Class 55 Rating, Add	1,432.92	
				For Class 56 Rating, Add	1,901.15	
40 05 19 00-0885	EA			20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,912.82	870.18
				For Class 52 Rating, Deduct	-725.38	
				For Class 54 Rating, Add	1,004.98	
				For Class 55 Rating, Add	1,502.19	
				For Class 56 Rating, Add	1,992.80	
40 05 19 00-0886	EA			20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,227.97	873.54
				For Class 52 Rating, Deduct	-759.49	
				For Class 54 Rating, Add	1,051.55	
				For Class 55 Rating, Add	1,571.45	
				For Class 56 Rating, Add	2,084.45	
40 05 19 00-0887	EA			20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,543.11	876.90
				For Class 52 Rating, Deduct	-793.59	
				For Class 54 Rating, Add	1,098.11	
				For Class 55 Rating, Add	1,640.71	
				For Class 56 Rating, Add	2,176.10	
40 05 19 00-0888	EA			20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,858.27	880.27
				For Class 52 Rating, Deduct	-827.70	
				For Class 54 Rating, Add	1,144.68	
				For Class 55 Rating, Add	1,709.98	
				For Class 56 Rating, Add	2,267.75	
40 05 19 00-0889	EA			20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,173.41	883.63
				For Class 52 Rating, Deduct	-861.80	
				For Class 54 Rating, Add	1,191.25	
				For Class 55 Rating, Add	1,779.25	
				For Class 56 Rating, Add	2,359.40	
40 05 19 00-0890	EA			20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,488.56	886.99
				For Class 52 Rating, Deduct	-895.91	
				For Class 54 Rating, Add	1,237.82	
				For Class 55 Rating, Add	1,848.51	
				For Class 56 Rating, Add	2,451.05	
40 05 19 00-0891	EA			20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,803.72	890.34
				For Class 52 Rating, Deduct	-930.02	
				For Class 54 Rating, Add	1,284.39	
				For Class 55 Rating, Add	1,917.78	
				For Class 56 Rating, Add	2,542.70	
40 05 19 00-0892	EA			20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,118.87	893.70
				For Class 52 Rating, Deduct	-964.12	
				For Class 54 Rating, Add	1,330.96	
				For Class 55 Rating, Add	1,987.04	
				For Class 56 Rating, Add	2,634.35	
40 05 19 00-0893	EA			20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,434.01	897.06
				For Class 52 Rating, Deduct	-998.23	
				For Class 54 Rating, Add	1,377.53	
				For Class 55 Rating, Add	2,056.31	
				For Class 56 Rating, Add	2,726.01	
40 05 19 00-0894	EA			20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,749.15	900.42
				For Class 52 Rating, Deduct	-1,032.34	
				For Class 54 Rating, Add	1,424.10	
				For Class 55 Rating, Add	2,125.57	
				For Class 56 Rating, Add	2,817.65	
40 05 19 00-0895	EA			20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,064.31	903.79
				For Class 52 Rating, Deduct	-1,066.44	
				For Class 54 Rating, Add	1,470.67	
				For Class 55 Rating, Add	2,194.84	
				For Class 56 Rating, Add	2,909.30	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	11,379.46	907.15
			For Class 52 Rating, Deduct	-1,100.55	
			For Class 54 Rating, Add	1,517.24	
			For Class 55 Rating, Add	2,264.10	
			For Class 56 Rating, Add	3,000.96	
40 05 19 00-0897	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	11,694.61	910.50
			For Class 52 Rating, Deduct	-1,134.66	
			For Class 54 Rating, Add	1,563.81	
			For Class 55 Rating, Add	2,333.37	
			For Class 56 Rating, Add	3,092.61	
40 05 19 00-0898	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	12,009.76	913.86
			For Class 52 Rating, Deduct	-1,168.76	
			For Class 54 Rating, Add	1,610.38	
			For Class 55 Rating, Add	2,402.63	
			For Class 56 Rating, Add	3,184.26	
40 05 19 00-0899	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	12,324.91	917.22
			For Class 52 Rating, Deduct	-1,202.87	
			For Class 54 Rating, Add	1,656.95	
			For Class 55 Rating, Add	2,471.90	
			For Class 56 Rating, Add	3,275.91	
40 05 19 00-0900	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	12,640.05	920.58
			For Class 52 Rating, Deduct	-1,236.98	
			For Class 54 Rating, Add	1,703.52	
			For Class 55 Rating, Add	2,541.16	
			For Class 56 Rating, Add	3,367.56	
40 05 19 00-0901	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	12,955.20	923.94
			For Class 52 Rating, Deduct	-1,271.08	
			For Class 54 Rating, Add	1,750.09	
			For Class 55 Rating, Add	2,610.43	
			For Class 56 Rating, Add	3,459.21	
40 05 19 00-0902	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,270.36	927.31
			For Class 52 Rating, Deduct	-1,305.19	
			For Class 54 Rating, Add	1,796.66	
			For Class 55 Rating, Add	2,679.69	
			For Class 56 Rating, Add	3,550.86	
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,585.50	930.66
			For Class 52 Rating, Deduct	-1,339.30	
			For Class 54 Rating, Add	1,843.23	
			For Class 55 Rating, Add	2,748.96	
			For Class 56 Rating, Add	3,642.51	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,900.65	934.02
			For Class 52 Rating, Deduct	-1,373.40	
			For Class 54 Rating, Add	1,889.80	
			For Class 55 Rating, Add	2,818.22	
			For Class 56 Rating, Add	3,734.16	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,215.80	937.38
			For Class 52 Rating, Deduct	-1,407.51	
			For Class 54 Rating, Add	1,936.37	
			For Class 55 Rating, Add	2,887.49	
			For Class 56 Rating, Add	3,825.81	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,530.95	940.74
			For Class 52 Rating, Deduct	-1,441.61	
			For Class 54 Rating, Add	1,982.94	
			For Class 55 Rating, Add	2,956.75	
			For Class 56 Rating, Add	3,917.46	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,846.09	944.10
			For Class 52 Rating, Deduct	-1,475.72	
			For Class 54 Rating, Add	2,029.51	
			For Class 55 Rating, Add	3,026.02	
			For Class 56 Rating, Add	4,009.11	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,161.24	947.46
			For Class 52 Rating, Deduct	-1,509.83	
			For Class 54 Rating, Add	2,076.08	
			For Class 55 Rating, Add	3,095.28	
			For Class 56 Rating, Add	4,100.76	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,476.40	950.82
			For Class 52 Rating, Deduct	-1,543.93	
			For Class 54 Rating, Add	2,122.65	
			For Class 55 Rating, Add	3,164.55	
			For Class 56 Rating, Add	4,192.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,791.55	954.18
For Class 52 Rating, Deduct	-1,578.04	
For Class 54 Rating, Add	2,169.22	
For Class 55 Rating, Add	3,233.82	
For Class 56 Rating, Add	4,284.06	
40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,117.28	981.06
For Class 52 Rating, Deduct	-399.39	
For Class 54 Rating, Add	562.46	
For Class 55 Rating, Add	845.35	
For Class 56 Rating, Add	1,124.61	
40 05 19 00-0913 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,506.57	984.42
For Class 52 Rating, Deduct	-441.65	
For Class 54 Rating, Add	620.15	
For Class 55 Rating, Add	931.15	
For Class 56 Rating, Add	1,238.13	
40 05 19 00-0914 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,895.87	987.78
For Class 52 Rating, Deduct	-483.92	
For Class 54 Rating, Add	677.84	
For Class 55 Rating, Add	1,016.95	
For Class 56 Rating, Add	1,351.65	
40 05 19 00-0915 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,285.16	991.13
For Class 52 Rating, Deduct	-526.18	
For Class 54 Rating, Add	735.54	
For Class 55 Rating, Add	1,102.75	
For Class 56 Rating, Add	1,465.18	
40 05 19 00-0916 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,674.45	994.49
For Class 52 Rating, Deduct	-568.44	
For Class 54 Rating, Add	793.23	
For Class 55 Rating, Add	1,188.55	
For Class 56 Rating, Add	1,578.70	
40 05 19 00-0917 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,063.74	997.86
For Class 52 Rating, Deduct	-610.70	
For Class 54 Rating, Add	850.92	
For Class 55 Rating, Add	1,274.35	
For Class 56 Rating, Add	1,692.22	
40 05 19 00-0918 EA 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,453.05	1,001.22
For Class 52 Rating, Deduct	-652.97	
For Class 54 Rating, Add	908.61	
For Class 55 Rating, Add	1,360.15	
For Class 56 Rating, Add	1,805.75	
40 05 19 00-0919 EA 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,842.33	1,004.58
For Class 52 Rating, Deduct	-695.23	
For Class 54 Rating, Add	966.30	
For Class 55 Rating, Add	1,445.95	
For Class 56 Rating, Add	1,919.27	
40 05 19 00-0920 EA 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,231.62	1,007.94
For Class 52 Rating, Deduct	-737.49	
For Class 54 Rating, Add	1,023.99	
For Class 55 Rating, Add	1,531.74	
For Class 56 Rating, Add	2,032.79	
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,620.92	1,011.29
For Class 52 Rating, Deduct	-779.75	
For Class 54 Rating, Add	1,081.68	
For Class 55 Rating, Add	1,617.54	
For Class 56 Rating, Add	2,146.31	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,010.22	1,014.65
For Class 52 Rating, Deduct	-822.01	
For Class 54 Rating, Add	1,139.38	
For Class 55 Rating, Add	1,703.34	
For Class 56 Rating, Add	2,259.84	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,399.51	1,018.01
For Class 52 Rating, Deduct	-864.28	
For Class 54 Rating, Add	1,197.07	
For Class 55 Rating, Add	1,789.14	
For Class 56 Rating, Add	2,373.36	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	9,788.79		1,021.38
		For Class 52 Rating, Deduct	-906.54		
		For Class 54 Rating, Add	1,254.76		
		For Class 55 Rating, Add	1,874.94		
		For Class 56 Rating, Add	2,486.88		
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	10,178.10		1,024.74
		For Class 52 Rating, Deduct	-948.80		
		For Class 54 Rating, Add	1,312.45		
		For Class 55 Rating, Add	1,960.74		
		For Class 56 Rating, Add	2,600.41		
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	10,567.39		1,028.10
		For Class 52 Rating, Deduct	-991.06		
		For Class 54 Rating, Add	1,370.14		
		For Class 55 Rating, Add	2,046.54		
		For Class 56 Rating, Add	2,713.93		
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	10,956.68		1,031.45
		For Class 52 Rating, Deduct	-1,033.33		
		For Class 54 Rating, Add	1,427.83		
		For Class 55 Rating, Add	2,132.34		
		For Class 56 Rating, Add	2,827.45		
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	11,345.98		1,034.81
		For Class 52 Rating, Deduct	-1,075.59		
		For Class 54 Rating, Add	1,485.53		
		For Class 55 Rating, Add	2,218.14		
		For Class 56 Rating, Add	2,940.98		
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	11,735.27		1,038.17
		For Class 52 Rating, Deduct	-1,117.85		
		For Class 54 Rating, Add	1,543.22		
		For Class 55 Rating, Add	2,303.94		
		For Class 56 Rating, Add	3,054.50		
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	12,124.56		1,041.53
		For Class 52 Rating, Deduct	-1,160.11		
		For Class 54 Rating, Add	1,600.91		
		For Class 55 Rating, Add	2,389.74		
		For Class 56 Rating, Add	3,168.02		
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	12,513.85		1,044.90
		For Class 52 Rating, Deduct	-1,202.37		
		For Class 54 Rating, Add	1,658.60		
		For Class 55 Rating, Add	2,475.54		
		For Class 56 Rating, Add	3,281.54		
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	12,903.15		1,048.26
		For Class 52 Rating, Deduct	-1,244.64		
		For Class 54 Rating, Add	1,716.29		
		For Class 55 Rating, Add	2,561.34		
		For Class 56 Rating, Add	3,395.07		
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	13,292.44		1,051.61
		For Class 52 Rating, Deduct	-1,286.90		
		For Class 54 Rating, Add	1,773.98		
		For Class 55 Rating, Add	2,647.14		
		For Class 56 Rating, Add	3,508.59		
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	13,681.73		1,054.97
		For Class 52 Rating, Deduct	-1,329.16		
		For Class 54 Rating, Add	1,831.67		
		For Class 55 Rating, Add	2,732.94		
		For Class 56 Rating, Add	3,622.11		
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	14,071.02		1,058.33
		For Class 52 Rating, Deduct	-1,371.42		
		For Class 54 Rating, Add	1,889.37		
		For Class 55 Rating, Add	2,818.73		
		For Class 56 Rating, Add	3,735.64		
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	14,460.33		1,061.69
		For Class 52 Rating, Deduct	-1,413.69		
		For Class 54 Rating, Add	1,947.06		
		For Class 55 Rating, Add	2,904.54		
		For Class 56 Rating, Add	3,849.16		
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron			
		Pipe	14,849.62		1,065.05
		For Class 52 Rating, Deduct	-1,455.95		
		For Class 54 Rating, Add	2,004.75		
		For Class 55 Rating, Add	2,990.33		
		For Class 56 Rating, Add	3,962.68		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA			24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,238.90	1,068.42
				For Class 52 Rating, Deduct	-1,498.21	
				For Class 54 Rating, Add	2,062.44	
				For Class 55 Rating, Add	3,076.13	
				For Class 56 Rating, Add	4,076.21	
40 05 19 00-0939	EA			24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,628.20	1,071.77
				For Class 52 Rating, Deduct	-1,540.47	
				For Class 54 Rating, Add	2,120.13	
				For Class 55 Rating, Add	3,161.93	
				For Class 56 Rating, Add	4,189.73	
40 05 19 00-0940	EA			24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,017.50	1,075.13
				For Class 52 Rating, Deduct	-1,582.74	
				For Class 54 Rating, Add	2,177.82	
				For Class 55 Rating, Add	3,247.73	
				For Class 56 Rating, Add	4,303.25	
40 05 19 00-0941	EA			24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,493.33	1,135.60
				For Class 52 Rating, Deduct	-1,625.00	
				For Class 54 Rating, Add	2,236.55	
				For Class 55 Rating, Add	3,335.61	
				For Class 56 Rating, Add	4,419.89	
40 05 19 00-0942	EA			24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,882.62	1,138.97
				For Class 52 Rating, Deduct	-1,667.26	
				For Class 54 Rating, Add	2,294.25	
				For Class 55 Rating, Add	3,421.41	
				For Class 56 Rating, Add	4,533.41	
40 05 19 00-0943	EA			24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,271.92	1,142.33
				For Class 52 Rating, Deduct	-1,709.52	
				For Class 54 Rating, Add	2,351.94	
				For Class 55 Rating, Add	3,507.21	
				For Class 56 Rating, Add	4,646.94	
40 05 19 00-0944	EA			24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,661.21	1,145.69
				For Class 52 Rating, Deduct	-1,751.79	
				For Class 54 Rating, Add	2,409.63	
				For Class 55 Rating, Add	3,593.01	
				For Class 56 Rating, Add	4,760.46	
40 05 19 00-0945	EA			24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,050.50	1,149.05
				For Class 52 Rating, Deduct	-1,794.05	
				For Class 54 Rating, Add	2,467.32	
				For Class 55 Rating, Add	3,678.81	
				For Class 56 Rating, Add	4,873.98	
40 05 19 00-0946	EA			24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,439.79	1,152.41
				For Class 52 Rating, Deduct	-1,836.31	
				For Class 54 Rating, Add	2,525.01	
				For Class 55 Rating, Add	3,764.61	
				For Class 56 Rating, Add	4,987.51	
40 05 19 00-0947	EA			24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,829.10	1,155.76
				For Class 52 Rating, Deduct	-1,878.57	
				For Class 54 Rating, Add	2,582.70	
				For Class 55 Rating, Add	3,850.41	
				For Class 56 Rating, Add	5,101.03	
40 05 19 00-0948	EA			24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,218.38	1,159.12
				For Class 52 Rating, Deduct	-1,920.83	
				For Class 54 Rating, Add	2,640.39	
				For Class 55 Rating, Add	3,936.20	
				For Class 56 Rating, Add	5,214.55	
40 05 19 00-0949	EA			24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,607.67	1,162.49
				For Class 52 Rating, Deduct	-1,963.10	
				For Class 54 Rating, Add	2,698.09	
				For Class 55 Rating, Add	4,022.00	
				For Class 56 Rating, Add	5,328.08	
40 05 19 00-0950				30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0951	EA			30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,894.06	1,384.23
				For Class 52 Rating, Deduct	-637.64	
				For Class 54 Rating, Add	894.68	
				For Class 55 Rating, Add	1,343.01	
				For Class 56 Rating, Add	1,785.54	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,454.12	1,387.59
		<i>For Class 52 Rating, Deduct</i>		-698.69	
		<i>For Class 54 Rating, Add</i>		977.98	
		<i>For Class 55 Rating, Add</i>		1,466.89	
		<i>For Class 56 Rating, Add</i>		1,949.44	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,014.16	1,390.95
		<i>For Class 52 Rating, Deduct</i>		-759.73	
		<i>For Class 54 Rating, Add</i>		1,061.29	
		<i>For Class 55 Rating, Add</i>		1,590.77	
		<i>For Class 56 Rating, Add</i>		2,113.33	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,574.21	1,394.31
		<i>For Class 52 Rating, Deduct</i>		-820.78	
		<i>For Class 54 Rating, Add</i>		1,144.59	
		<i>For Class 55 Rating, Add</i>		1,714.64	
		<i>For Class 56 Rating, Add</i>		2,277.23	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		10,134.27	1,397.68
		<i>For Class 52 Rating, Deduct</i>		-881.82	
		<i>For Class 54 Rating, Add</i>		1,227.90	
		<i>For Class 55 Rating, Add</i>		1,838.52	
		<i>For Class 56 Rating, Add</i>		2,441.13	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		10,694.32	1,401.03
		<i>For Class 52 Rating, Deduct</i>		-942.87	
		<i>For Class 54 Rating, Add</i>		1,311.20	
		<i>For Class 55 Rating, Add</i>		1,962.40	
		<i>For Class 56 Rating, Add</i>		2,605.02	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,254.36	1,404.39
		<i>For Class 52 Rating, Deduct</i>		-1,003.92	
		<i>For Class 54 Rating, Add</i>		1,394.51	
		<i>For Class 55 Rating, Add</i>		2,086.28	
		<i>For Class 56 Rating, Add</i>		2,768.92	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,814.41	1,407.75
		<i>For Class 52 Rating, Deduct</i>		-1,064.96	
		<i>For Class 54 Rating, Add</i>		1,477.81	
		<i>For Class 55 Rating, Add</i>		2,210.16	
		<i>For Class 56 Rating, Add</i>		2,932.82	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		12,374.47	1,411.11
		<i>For Class 52 Rating, Deduct</i>		-1,126.01	
		<i>For Class 54 Rating, Add</i>		1,561.12	
		<i>For Class 55 Rating, Add</i>		2,334.03	
		<i>For Class 56 Rating, Add</i>		3,096.71	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		12,934.52	1,414.47
		<i>For Class 52 Rating, Deduct</i>		-1,187.05	
		<i>For Class 54 Rating, Add</i>		1,644.42	
		<i>For Class 55 Rating, Add</i>		2,457.91	
		<i>For Class 56 Rating, Add</i>		3,260.61	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,494.57	1,417.83
		<i>For Class 52 Rating, Deduct</i>		-1,248.10	
		<i>For Class 54 Rating, Add</i>		1,727.73	
		<i>For Class 55 Rating, Add</i>		2,581.79	
		<i>For Class 56 Rating, Add</i>		3,424.51	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		14,054.61	1,421.19
		<i>For Class 52 Rating, Deduct</i>		-1,309.14	
		<i>For Class 54 Rating, Add</i>		1,811.03	
		<i>For Class 55 Rating, Add</i>		2,705.67	
		<i>For Class 56 Rating, Add</i>		3,588.40	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		14,614.67	1,424.55
		<i>For Class 52 Rating, Deduct</i>		-1,370.19	
		<i>For Class 54 Rating, Add</i>		1,894.34	
		<i>For Class 55 Rating, Add</i>		2,829.55	
		<i>For Class 56 Rating, Add</i>		3,752.30	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,174.72	1,427.91
		<i>For Class 52 Rating, Deduct</i>		-1,431.23	
		<i>For Class 54 Rating, Add</i>		1,977.65	
		<i>For Class 55 Rating, Add</i>		2,953.43	
		<i>For Class 56 Rating, Add</i>		3,916.20	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,734.77	1,431.27
		<i>For Class 52 Rating, Deduct</i>		-1,492.28	
		<i>For Class 54 Rating, Add</i>		2,060.95	
		<i>For Class 55 Rating, Add</i>		3,077.30	
		<i>For Class 56 Rating, Add</i>		4,080.09	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA			30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,294.82	1,434.63
				For Class 52 Rating, Deduct	-1,553.33	
				For Class 54 Rating, Add	2,144.26	
				For Class 55 Rating, Add	3,201.18	
				For Class 56 Rating, Add	4,243.99	
40 05 19 00-0967	EA			30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,854.87	1,437.99
				For Class 52 Rating, Deduct	-1,614.37	
				For Class 54 Rating, Add	2,227.56	
				For Class 55 Rating, Add	3,325.06	
				For Class 56 Rating, Add	4,407.89	
40 05 19 00-0968	EA			30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,414.92	1,441.34
				For Class 52 Rating, Deduct	-1,675.42	
				For Class 54 Rating, Add	2,310.87	
				For Class 55 Rating, Add	3,448.94	
				For Class 56 Rating, Add	4,571.78	
40 05 19 00-0969	EA			30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,974.97	1,444.71
				For Class 52 Rating, Deduct	-1,736.46	
				For Class 54 Rating, Add	2,394.17	
				For Class 55 Rating, Add	3,572.82	
				For Class 56 Rating, Add	4,735.68	
40 05 19 00-0970	EA			30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,535.03	1,448.07
				For Class 52 Rating, Deduct	-1,797.51	
				For Class 54 Rating, Add	2,477.48	
				For Class 55 Rating, Add	3,696.70	
				For Class 56 Rating, Add	4,899.57	
40 05 19 00-0971	EA			30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,095.07	1,451.43
				For Class 52 Rating, Deduct	-1,858.55	
				For Class 54 Rating, Add	2,560.78	
				For Class 55 Rating, Add	3,820.57	
				For Class 56 Rating, Add	5,063.47	
40 05 19 00-0972	EA			30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,655.12	1,454.79
				For Class 52 Rating, Deduct	-1,919.60	
				For Class 54 Rating, Add	2,644.09	
				For Class 55 Rating, Add	3,944.45	
				For Class 56 Rating, Add	5,227.37	
40 05 19 00-0973	EA			30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,215.18	1,458.15
				For Class 52 Rating, Deduct	-1,980.64	
				For Class 54 Rating, Add	2,727.39	
				For Class 55 Rating, Add	4,068.33	
				For Class 56 Rating, Add	5,391.26	
40 05 19 00-0974	EA			30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,775.22	1,461.50
				For Class 52 Rating, Deduct	-2,041.69	
				For Class 54 Rating, Add	2,810.69	
				For Class 55 Rating, Add	4,192.21	
				For Class 56 Rating, Add	5,555.16	
40 05 19 00-0975	EA			30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,335.26	1,464.86
				For Class 52 Rating, Deduct	-2,102.73	
				For Class 54 Rating, Add	2,894.00	
				For Class 55 Rating, Add	4,316.08	
				For Class 56 Rating, Add	5,719.05	
40 05 19 00-0976	EA			30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,895.31	1,468.23
				For Class 52 Rating, Deduct	-2,163.78	
				For Class 54 Rating, Add	2,977.30	
				For Class 55 Rating, Add	4,439.96	
				For Class 56 Rating, Add	5,882.95	
40 05 19 00-0977	EA			30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,455.37	1,471.59
				For Class 52 Rating, Deduct	-2,224.83	
				For Class 54 Rating, Add	3,060.61	
				For Class 55 Rating, Add	4,563.84	
				For Class 56 Rating, Add	6,046.85	
40 05 19 00-0978	EA			30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,015.42	1,474.95
				For Class 52 Rating, Deduct	-2,285.87	
				For Class 54 Rating, Add	3,143.91	
				For Class 55 Rating, Add	4,687.72	
				For Class 56 Rating, Add	6,210.74	
40 05 19 00-0979	EA			30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,575.47	1,478.31
				For Class 52 Rating, Deduct	-2,346.92	
				For Class 54 Rating, Add	3,227.22	
				For Class 55 Rating, Add	4,811.60	
				For Class 56 Rating, Add	6,374.64	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,135.51	1,481.66
			<i>For Class 52 Rating, Deduct</i>	-2,407.96	
			<i>For Class 54 Rating, Add</i>	3,310.52	
			<i>For Class 55 Rating, Add</i>	4,935.48	
			<i>For Class 56 Rating, Add</i>	6,538.54	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,695.57	1,485.02
			<i>For Class 52 Rating, Deduct</i>	-2,469.01	
			<i>For Class 54 Rating, Add</i>	3,393.83	
			<i>For Class 55 Rating, Add</i>	5,059.35	
			<i>For Class 56 Rating, Add</i>	6,702.43	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,255.62	1,488.38
			<i>For Class 52 Rating, Deduct</i>	-2,530.05	
			<i>For Class 54 Rating, Add</i>	3,477.14	
			<i>For Class 55 Rating, Add</i>	5,183.23	
			<i>For Class 56 Rating, Add</i>	6,866.33	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,815.67	1,491.75
			<i>For Class 52 Rating, Deduct</i>	-2,591.10	
			<i>For Class 54 Rating, Add</i>	3,560.44	
			<i>For Class 55 Rating, Add</i>	5,307.11	
			<i>For Class 56 Rating, Add</i>	7,030.23	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,375.73	1,495.11
			<i>For Class 52 Rating, Deduct</i>	-2,652.15	
			<i>For Class 54 Rating, Add</i>	3,643.75	
			<i>For Class 55 Rating, Add</i>	5,430.99	
			<i>For Class 56 Rating, Add</i>	7,194.12	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,935.77	1,498.47
			<i>For Class 52 Rating, Deduct</i>	-2,713.19	
			<i>For Class 54 Rating, Add</i>	3,727.05	
			<i>For Class 55 Rating, Add</i>	5,554.87	
			<i>For Class 56 Rating, Add</i>	7,358.02	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,495.82	1,501.82
			<i>For Class 52 Rating, Deduct</i>	-2,774.24	
			<i>For Class 54 Rating, Add</i>	3,810.36	
			<i>For Class 55 Rating, Add</i>	5,678.75	
			<i>For Class 56 Rating, Add</i>	7,521.91	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,055.87	1,505.18
			<i>For Class 52 Rating, Deduct</i>	-2,835.28	
			<i>For Class 54 Rating, Add</i>	3,893.66	
			<i>For Class 55 Rating, Add</i>	5,802.62	
			<i>For Class 56 Rating, Add</i>	7,685.81	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,615.93	1,508.54
			<i>For Class 52 Rating, Deduct</i>	-2,896.33	
			<i>For Class 54 Rating, Add</i>	3,976.97	
			<i>For Class 55 Rating, Add</i>	5,926.50	
			<i>For Class 56 Rating, Add</i>	7,849.71	
40 05 19 00-0989			36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0990	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,828.90	1,753.81
			<i>For Class 52 Rating, Deduct</i>	-898.88	
			<i>For Class 54 Rating, Add</i>	1,257.63	
			<i>For Class 55 Rating, Add</i>	1,886.04	
			<i>For Class 56 Rating, Add</i>	2,506.29	
40 05 19 00-0991	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,588.91	1,757.17
			<i>For Class 52 Rating, Deduct</i>	-981.92	
			<i>For Class 54 Rating, Add</i>	1,370.93	
			<i>For Class 55 Rating, Add</i>	2,054.52	
			<i>For Class 56 Rating, Add</i>	2,729.17	
40 05 19 00-0992	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,348.93	1,760.53
			<i>For Class 52 Rating, Deduct</i>	-1,064.96	
			<i>For Class 54 Rating, Add</i>	1,484.23	
			<i>For Class 55 Rating, Add</i>	2,222.98	
			<i>For Class 56 Rating, Add</i>	2,952.06	
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,108.95	1,763.89
			<i>For Class 52 Rating, Deduct</i>	-1,148.00	
			<i>For Class 54 Rating, Add</i>	1,597.53	
			<i>For Class 55 Rating, Add</i>	2,391.46	
			<i>For Class 56 Rating, Add</i>	3,174.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0994 EA 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	13,868.96	1,767.24
For Class 52 Rating, Deduct	-1,231.04	
For Class 54 Rating, Add	1,710.83	
For Class 55 Rating, Add	2,559.93	
For Class 56 Rating, Add	3,397.83	
40 05 19 00-0995 EA 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	14,628.98	1,770.61
For Class 52 Rating, Deduct	-1,314.09	
For Class 54 Rating, Add	1,824.13	
For Class 55 Rating, Add	2,728.40	
For Class 56 Rating, Add	3,620.72	
40 05 19 00-0996 EA 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	15,388.99	1,773.97
For Class 52 Rating, Deduct	-1,397.13	
For Class 54 Rating, Add	1,937.43	
For Class 55 Rating, Add	2,896.87	
For Class 56 Rating, Add	3,843.60	
40 05 19 00-0997 EA 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	16,149.01	1,777.33
For Class 52 Rating, Deduct	-1,480.17	
For Class 54 Rating, Add	2,050.73	
For Class 55 Rating, Add	3,065.34	
For Class 56 Rating, Add	4,066.49	
40 05 19 00-0998 EA 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	16,909.02	1,780.69
For Class 52 Rating, Deduct	-1,563.21	
For Class 54 Rating, Add	2,164.03	
For Class 55 Rating, Add	3,233.81	
For Class 56 Rating, Add	4,289.38	
40 05 19 00-0999 EA 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	17,669.03	1,784.05
For Class 52 Rating, Deduct	-1,646.25	
For Class 54 Rating, Add	2,277.33	
For Class 55 Rating, Add	3,402.28	
For Class 56 Rating, Add	4,512.26	
40 05 19 00-1000 EA 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	18,429.05	1,787.40
For Class 52 Rating, Deduct	-1,729.29	
For Class 54 Rating, Add	2,390.63	
For Class 55 Rating, Add	3,570.75	
For Class 56 Rating, Add	4,735.15	
40 05 19 00-1001 EA 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	19,189.06	1,790.76
For Class 52 Rating, Deduct	-1,812.34	
For Class 54 Rating, Add	2,503.93	
For Class 55 Rating, Add	3,739.22	
For Class 56 Rating, Add	4,958.03	
40 05 19 00-1002 EA 36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	19,949.08	1,794.13
For Class 52 Rating, Deduct	-1,895.38	
For Class 54 Rating, Add	2,617.23	
For Class 55 Rating, Add	3,907.69	
For Class 56 Rating, Add	5,180.92	
40 05 19 00-1003 EA 36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	20,709.10	1,797.49
For Class 52 Rating, Deduct	-1,978.42	
For Class 54 Rating, Add	2,730.53	
For Class 55 Rating, Add	4,076.16	
For Class 56 Rating, Add	5,403.81	
40 05 19 00-1004 EA 36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	21,469.12	1,800.85
For Class 52 Rating, Deduct	-2,061.46	
For Class 54 Rating, Add	2,843.83	
For Class 55 Rating, Add	4,244.63	
For Class 56 Rating, Add	5,626.69	
40 05 19 00-1005 EA 36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	22,229.12	1,804.21
For Class 52 Rating, Deduct	-2,144.50	
For Class 54 Rating, Add	2,957.13	
For Class 55 Rating, Add	4,413.10	
For Class 56 Rating, Add	5,849.58	
40 05 19 00-1006 EA 36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	22,989.14	1,807.56
For Class 52 Rating, Deduct	-2,227.55	
For Class 54 Rating, Add	3,070.43	
For Class 55 Rating, Add	4,581.57	
For Class 56 Rating, Add	6,072.47	
40 05 19 00-1007 EA 36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	23,749.16	1,810.92
For Class 52 Rating, Deduct	-2,310.59	
For Class 54 Rating, Add	3,183.73	
For Class 55 Rating, Add	4,750.04	
For Class 56 Rating, Add	6,295.35	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,509.18	1,814.28
			<i>For Class 52 Rating, Deduct</i>	-2,393.63	
			<i>For Class 54 Rating, Add</i>	3,297.03	
			<i>For Class 55 Rating, Add</i>	4,918.51	
			<i>For Class 56 Rating, Add</i>	6,518.24	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,269.18	1,817.65
			<i>For Class 52 Rating, Deduct</i>	-2,476.67	
			<i>For Class 54 Rating, Add</i>	3,410.33	
			<i>For Class 55 Rating, Add</i>	5,086.98	
			<i>For Class 56 Rating, Add</i>	6,741.12	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,029.21	1,821.01
			<i>For Class 52 Rating, Deduct</i>	-2,559.71	
			<i>For Class 54 Rating, Add</i>	3,523.63	
			<i>For Class 55 Rating, Add</i>	5,255.45	
			<i>For Class 56 Rating, Add</i>	6,964.01	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,789.22	1,824.37
			<i>For Class 52 Rating, Deduct</i>	-2,642.75	
			<i>For Class 54 Rating, Add</i>	3,636.92	
			<i>For Class 55 Rating, Add</i>	5,423.92	
			<i>For Class 56 Rating, Add</i>	7,186.89	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,549.24	1,827.72
			<i>For Class 52 Rating, Deduct</i>	-2,725.80	
			<i>For Class 54 Rating, Add</i>	3,750.23	
			<i>For Class 55 Rating, Add</i>	5,592.39	
			<i>For Class 56 Rating, Add</i>	7,409.78	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,309.25	1,831.08
			<i>For Class 52 Rating, Deduct</i>	-2,808.84	
			<i>For Class 54 Rating, Add</i>	3,863.52	
			<i>For Class 55 Rating, Add</i>	5,760.86	
			<i>For Class 56 Rating, Add</i>	7,632.67	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,069.27	1,834.44
			<i>For Class 52 Rating, Deduct</i>	-2,891.88	
			<i>For Class 54 Rating, Add</i>	3,976.83	
			<i>For Class 55 Rating, Add</i>	5,929.33	
			<i>For Class 56 Rating, Add</i>	7,855.55	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,829.28	1,837.80
			<i>For Class 52 Rating, Deduct</i>	-2,974.92	
			<i>For Class 54 Rating, Add</i>	4,090.12	
			<i>For Class 55 Rating, Add</i>	6,097.80	
			<i>For Class 56 Rating, Add</i>	8,078.44	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,589.30	1,841.17
			<i>For Class 52 Rating, Deduct</i>	-3,057.96	
			<i>For Class 54 Rating, Add</i>	4,203.42	
			<i>For Class 55 Rating, Add</i>	6,266.28	
			<i>For Class 56 Rating, Add</i>	8,301.33	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,349.31	1,844.53
			<i>For Class 52 Rating, Deduct</i>	-3,141.00	
			<i>For Class 54 Rating, Add</i>	4,316.72	
			<i>For Class 55 Rating, Add</i>	6,434.74	
			<i>For Class 56 Rating, Add</i>	8,524.21	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,109.33	1,847.88
			<i>For Class 52 Rating, Deduct</i>	-3,224.05	
			<i>For Class 54 Rating, Add</i>	4,430.02	
			<i>For Class 55 Rating, Add</i>	6,603.22	
			<i>For Class 56 Rating, Add</i>	8,747.10	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,869.34	1,851.24
			<i>For Class 52 Rating, Deduct</i>	-3,307.09	
			<i>For Class 54 Rating, Add</i>	4,543.32	
			<i>For Class 55 Rating, Add</i>	6,771.69	
			<i>For Class 56 Rating, Add</i>	8,969.98	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,629.36	1,854.60
			<i>For Class 52 Rating, Deduct</i>	-3,390.13	
			<i>For Class 54 Rating, Add</i>	4,656.62	
			<i>For Class 55 Rating, Add</i>	6,940.16	
			<i>For Class 56 Rating, Add</i>	9,192.87	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,389.38	1,857.96
			<i>For Class 52 Rating, Deduct</i>	-3,473.17	
			<i>For Class 54 Rating, Add</i>	4,769.92	
			<i>For Class 55 Rating, Add</i>	7,108.63	
			<i>For Class 56 Rating, Add</i>	9,415.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022 EA 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,149.40	1,861.32
<i>For Class 52 Rating, Deduct</i>	-3,556.21	
<i>For Class 54 Rating, Add</i>	4,883.22	
<i>For Class 55 Rating, Add</i>	7,277.10	
<i>For Class 56 Rating, Add</i>	9,638.64	
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,909.40	1,864.69
<i>For Class 52 Rating, Deduct</i>	-3,639.25	
<i>For Class 54 Rating, Add</i>	4,996.52	
<i>For Class 55 Rating, Add</i>	7,445.57	
<i>For Class 56 Rating, Add</i>	9,861.53	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,669.41	1,868.04
<i>For Class 52 Rating, Deduct</i>	-3,722.30	
<i>For Class 54 Rating, Add</i>	5,109.82	
<i>For Class 55 Rating, Add</i>	7,614.04	
<i>For Class 56 Rating, Add</i>	10,084.41	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,429.44	1,871.40
<i>For Class 52 Rating, Deduct</i>	-3,805.34	
<i>For Class 54 Rating, Add</i>	5,223.12	
<i>For Class 55 Rating, Add</i>	7,782.51	
<i>For Class 56 Rating, Add</i>	10,307.30	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,189.45	1,874.76
<i>For Class 52 Rating, Deduct</i>	-3,888.38	
<i>For Class 54 Rating, Add</i>	5,336.42	
<i>For Class 55 Rating, Add</i>	7,950.98	
<i>For Class 56 Rating, Add</i>	10,530.19	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,949.47	1,878.12
<i>For Class 52 Rating, Deduct</i>	-3,971.42	
<i>For Class 54 Rating, Add</i>	5,449.72	
<i>For Class 55 Rating, Add</i>	8,119.45	
<i>For Class 56 Rating, Add</i>	10,753.07	
 40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	574.74	164.32
<i>For Class 52 Rating, Deduct</i>	-35.84	
<i>For Class 54 Rating, Add</i>	51.86	
<i>For Class 55 Rating, Add</i>	78.63	
<i>For Class 56 Rating, Add</i>	105.07	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	637.50	167.18
<i>For Class 52 Rating, Deduct</i>	-42.26	
<i>For Class 54 Rating, Add</i>	60.67	
<i>For Class 55 Rating, Add</i>	91.76	
<i>For Class 56 Rating, Add</i>	122.46	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	700.28	170.06
<i>For Class 52 Rating, Deduct</i>	-48.69	
<i>For Class 54 Rating, Add</i>	69.48	
<i>For Class 55 Rating, Add</i>	104.89	
<i>For Class 56 Rating, Add</i>	139.85	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.06	172.93
<i>For Class 52 Rating, Deduct</i>	-55.11	
<i>For Class 54 Rating, Add</i>	78.30	
<i>For Class 55 Rating, Add</i>	118.02	
<i>For Class 56 Rating, Add</i>	157.24	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	825.82	175.81
<i>For Class 52 Rating, Deduct</i>	-61.54	
<i>For Class 54 Rating, Add</i>	87.11	
<i>For Class 55 Rating, Add</i>	131.15	
<i>For Class 56 Rating, Add</i>	174.63	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	888.59	178.68
<i>For Class 52 Rating, Deduct</i>	-67.97	
<i>For Class 54 Rating, Add</i>	95.93	
<i>For Class 55 Rating, Add</i>	144.28	
<i>For Class 56 Rating, Add</i>	192.02	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.36	181.55
<i>For Class 52 Rating, Deduct</i>	-74.39	
<i>For Class 54 Rating, Add</i>	104.74	
<i>For Class 55 Rating, Add</i>	157.41	
<i>For Class 56 Rating, Add</i>	209.41	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,014.12	184.42
			<i>For Class 52 Rating, Deduct</i>	-80.82	
			<i>For Class 54 Rating, Add</i>	113.56	
			<i>For Class 55 Rating, Add</i>	170.54	
			<i>For Class 56 Rating, Add</i>	226.80	
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,076.89	187.30
			<i>For Class 52 Rating, Deduct</i>	-87.24	
			<i>For Class 54 Rating, Add</i>	122.37	
			<i>For Class 55 Rating, Add</i>	183.68	
			<i>For Class 56 Rating, Add</i>	244.19	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.66	190.17
			<i>For Class 52 Rating, Deduct</i>	-93.67	
			<i>For Class 54 Rating, Add</i>	131.19	
			<i>For Class 55 Rating, Add</i>	196.81	
			<i>For Class 56 Rating, Add</i>	261.58	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,202.43	193.03
			<i>For Class 52 Rating, Deduct</i>	-100.09	
			<i>For Class 54 Rating, Add</i>	140.00	
			<i>For Class 55 Rating, Add</i>	209.94	
			<i>For Class 56 Rating, Add</i>	278.96	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,265.21	195.91
			<i>For Class 52 Rating, Deduct</i>	-106.52	
			<i>For Class 54 Rating, Add</i>	148.82	
			<i>For Class 55 Rating, Add</i>	223.07	
			<i>For Class 56 Rating, Add</i>	296.36	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,327.98	198.79
			<i>For Class 52 Rating, Deduct</i>	-112.95	
			<i>For Class 54 Rating, Add</i>	157.63	
			<i>For Class 55 Rating, Add</i>	236.20	
			<i>For Class 56 Rating, Add</i>	313.75	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,390.74	201.66
			<i>For Class 52 Rating, Deduct</i>	-119.37	
			<i>For Class 54 Rating, Add</i>	166.45	
			<i>For Class 55 Rating, Add</i>	249.33	
			<i>For Class 56 Rating, Add</i>	331.13	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,453.51	204.53
			<i>For Class 52 Rating, Deduct</i>	-125.80	
			<i>For Class 54 Rating, Add</i>	175.26	
			<i>For Class 55 Rating, Add</i>	262.46	
			<i>For Class 56 Rating, Add</i>	348.52	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,516.28	207.40
			<i>For Class 52 Rating, Deduct</i>	-132.22	
			<i>For Class 54 Rating, Add</i>	184.08	
			<i>For Class 55 Rating, Add</i>	275.60	
			<i>For Class 56 Rating, Add</i>	365.91	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,579.04	210.28
			<i>For Class 52 Rating, Deduct</i>	-138.65	
			<i>For Class 54 Rating, Add</i>	192.89	
			<i>For Class 55 Rating, Add</i>	288.73	
			<i>For Class 56 Rating, Add</i>	383.30	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.81	213.14
			<i>For Class 52 Rating, Deduct</i>	-145.08	
			<i>For Class 54 Rating, Add</i>	201.71	
			<i>For Class 55 Rating, Add</i>	301.86	
			<i>For Class 56 Rating, Add</i>	400.69	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,704.59	216.02
			<i>For Class 52 Rating, Deduct</i>	-151.50	
			<i>For Class 54 Rating, Add</i>	210.52	
			<i>For Class 55 Rating, Add</i>	314.99	
			<i>For Class 56 Rating, Add</i>	418.08	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,767.36	218.90
			<i>For Class 52 Rating, Deduct</i>	-157.93	
			<i>For Class 54 Rating, Add</i>	219.34	
			<i>For Class 55 Rating, Add</i>	328.12	
			<i>For Class 56 Rating, Add</i>	435.47	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,830.13	221.77
			<i>For Class 52 Rating, Deduct</i>	-164.35	
			<i>For Class 54 Rating, Add</i>	228.15	
			<i>For Class 55 Rating, Add</i>	341.25	
			<i>For Class 56 Rating, Add</i>	452.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051 EA 4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	1,892.90	224.63
<i>For Class 52 Rating, Deduct</i>	-170.78	
<i>For Class 54 Rating, Add</i>	236.97	
<i>For Class 55 Rating, Add</i>	354.39	
<i>For Class 56 Rating, Add</i>	470.25	
40 05 19 00-1052 EA 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	1,955.67	227.51
<i>For Class 52 Rating, Deduct</i>	-177.21	
<i>For Class 54 Rating, Add</i>	245.78	
<i>For Class 55 Rating, Add</i>	367.52	
<i>For Class 56 Rating, Add</i>	487.64	
40 05 19 00-1053 EA 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,018.43	230.39
<i>For Class 52 Rating, Deduct</i>	-183.63	
<i>For Class 54 Rating, Add</i>	254.59	
<i>For Class 55 Rating, Add</i>	380.65	
<i>For Class 56 Rating, Add</i>	505.03	
40 05 19 00-1054 EA 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,081.20	233.25
<i>For Class 52 Rating, Deduct</i>	-190.06	
<i>For Class 54 Rating, Add</i>	263.41	
<i>For Class 55 Rating, Add</i>	393.78	
<i>For Class 56 Rating, Add</i>	522.42	
40 05 19 00-1055 EA 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,143.97	236.12
<i>For Class 52 Rating, Deduct</i>	-196.48	
<i>For Class 54 Rating, Add</i>	272.22	
<i>For Class 55 Rating, Add</i>	406.91	
<i>For Class 56 Rating, Add</i>	539.81	
40 05 19 00-1056 EA 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,206.74	239.00
<i>For Class 52 Rating, Deduct</i>	-202.91	
<i>For Class 54 Rating, Add</i>	281.04	
<i>For Class 55 Rating, Add</i>	420.04	
<i>For Class 56 Rating, Add</i>	557.20	
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,269.51	241.88
<i>For Class 52 Rating, Deduct</i>	-209.33	
<i>For Class 54 Rating, Add</i>	289.85	
<i>For Class 55 Rating, Add</i>	433.17	
<i>For Class 56 Rating, Add</i>	574.59	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,332.29	244.75
<i>For Class 52 Rating, Deduct</i>	-215.76	
<i>For Class 54 Rating, Add</i>	298.67	
<i>For Class 55 Rating, Add</i>	446.31	
<i>For Class 56 Rating, Add</i>	591.98	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,395.05	247.61
<i>For Class 52 Rating, Deduct</i>	-222.19	
<i>For Class 54 Rating, Add</i>	307.48	
<i>For Class 55 Rating, Add</i>	459.44	
<i>For Class 56 Rating, Add</i>	609.37	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,457.82	250.49
<i>For Class 52 Rating, Deduct</i>	-228.61	
<i>For Class 54 Rating, Add</i>	316.30	
<i>For Class 55 Rating, Add</i>	472.57	
<i>For Class 56 Rating, Add</i>	626.76	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,520.59	253.37
<i>For Class 52 Rating, Deduct</i>	-235.04	
<i>For Class 54 Rating, Add</i>	325.11	
<i>For Class 55 Rating, Add</i>	485.70	
<i>For Class 56 Rating, Add</i>	644.15	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,583.35	256.24
<i>For Class 52 Rating, Deduct</i>	-241.46	
<i>For Class 54 Rating, Add</i>	333.93	
<i>For Class 55 Rating, Add</i>	498.83	
<i>For Class 56 Rating, Add</i>	661.54	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,646.12	259.12
<i>For Class 52 Rating, Deduct</i>	-247.89	
<i>For Class 54 Rating, Add</i>	342.74	
<i>For Class 55 Rating, Add</i>	511.96	
<i>For Class 56 Rating, Add</i>	678.93	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,708.90	261.98
<i>For Class 52 Rating, Deduct</i>	-254.32	
<i>For Class 54 Rating, Add</i>	351.56	
<i>For Class 55 Rating, Add</i>	525.09	
<i>For Class 56 Rating, Add</i>	696.32	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,771.66	264.85
		<i>For Class 52 Rating, Deduct</i>		-260.74	
		<i>For Class 54 Rating, Add</i>		360.37	
		<i>For Class 55 Rating, Add</i>		538.22	
		<i>For Class 56 Rating, Add</i>		713.71	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,834.43	267.73
		<i>For Class 52 Rating, Deduct</i>		-267.17	
		<i>For Class 54 Rating, Add</i>		369.19	
		<i>For Class 55 Rating, Add</i>		551.36	
		<i>For Class 56 Rating, Add</i>		731.10	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,897.21	270.61
		<i>For Class 52 Rating, Deduct</i>		-273.59	
		<i>For Class 54 Rating, Add</i>		378.00	
		<i>For Class 55 Rating, Add</i>		564.49	
		<i>For Class 56 Rating, Add</i>		748.49	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,959.97	273.48
		<i>For Class 52 Rating, Deduct</i>		-280.02	
		<i>For Class 54 Rating, Add</i>		386.82	
		<i>For Class 55 Rating, Add</i>		577.62	
		<i>For Class 56 Rating, Add</i>		765.87	
40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>					
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		720.04	206.83
		<i>For Class 52 Rating, Deduct</i>		-44.73	
		<i>For Class 54 Rating, Add</i>		64.76	
		<i>For Class 55 Rating, Add</i>		98.21	
		<i>For Class 56 Rating, Add</i>		131.25	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		796.30	209.70
		<i>For Class 52 Rating, Deduct</i>		-52.64	
		<i>For Class 54 Rating, Add</i>		75.60	
		<i>For Class 55 Rating, Add</i>		114.35	
		<i>For Class 56 Rating, Add</i>		152.62	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		872.55	212.57
		<i>For Class 52 Rating, Deduct</i>		-60.55	
		<i>For Class 54 Rating, Add</i>		86.44	
		<i>For Class 55 Rating, Add</i>		130.48	
		<i>For Class 56 Rating, Add</i>		173.98	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		948.80	215.45
		<i>For Class 52 Rating, Deduct</i>		-68.46	
		<i>For Class 54 Rating, Add</i>		97.27	
		<i>For Class 55 Rating, Add</i>		146.62	
		<i>For Class 56 Rating, Add</i>		195.35	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,025.05	218.33
		<i>For Class 52 Rating, Deduct</i>		-76.37	
		<i>For Class 54 Rating, Add</i>		108.11	
		<i>For Class 55 Rating, Add</i>		162.76	
		<i>For Class 56 Rating, Add</i>		216.72	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,101.30	221.18
		<i>For Class 52 Rating, Deduct</i>		-84.28	
		<i>For Class 54 Rating, Add</i>		118.95	
		<i>For Class 55 Rating, Add</i>		178.90	
		<i>For Class 56 Rating, Add</i>		238.08	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,177.55	224.06
		<i>For Class 52 Rating, Deduct</i>		-92.19	
		<i>For Class 54 Rating, Add</i>		129.78	
		<i>For Class 55 Rating, Add</i>		195.04	
		<i>For Class 56 Rating, Add</i>		259.45	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,253.79	226.94
		<i>For Class 52 Rating, Deduct</i>		-100.09	
		<i>For Class 54 Rating, Add</i>		140.62	
		<i>For Class 55 Rating, Add</i>		211.17	
		<i>For Class 56 Rating, Add</i>		280.81	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,330.04	229.82
		<i>For Class 52 Rating, Deduct</i>		-108.00	
		<i>For Class 54 Rating, Add</i>		151.46	
		<i>For Class 55 Rating, Add</i>		227.31	
		<i>For Class 56 Rating, Add</i>		302.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079 EA 6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,406.30	232.67
<i>For Class 52 Rating, Deduct</i>	-115.91	
<i>For Class 54 Rating, Add</i>	162.29	
<i>For Class 55 Rating, Add</i>	243.45	
<i>For Class 56 Rating, Add</i>	323.55	
40 05 19 00-1080 EA 6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,482.55	235.55
<i>For Class 52 Rating, Deduct</i>	-123.82	
<i>For Class 54 Rating, Add</i>	173.13	
<i>For Class 55 Rating, Add</i>	259.59	
<i>For Class 56 Rating, Add</i>	344.92	
40 05 19 00-1081 EA 6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,558.80	238.43
<i>For Class 52 Rating, Deduct</i>	-131.73	
<i>For Class 54 Rating, Add</i>	183.97	
<i>For Class 55 Rating, Add</i>	275.72	
<i>For Class 56 Rating, Add</i>	366.28	
40 05 19 00-1082 EA 6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,635.05	241.30
<i>For Class 52 Rating, Deduct</i>	-139.64	
<i>For Class 54 Rating, Add</i>	194.80	
<i>For Class 55 Rating, Add</i>	291.86	
<i>For Class 56 Rating, Add</i>	387.65	
40 05 19 00-1083 EA 6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,711.30	244.17
<i>For Class 52 Rating, Deduct</i>	-147.55	
<i>For Class 54 Rating, Add</i>	205.64	
<i>For Class 55 Rating, Add</i>	308.00	
<i>For Class 56 Rating, Add</i>	409.01	
40 05 19 00-1084 EA 6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,787.55	247.04
<i>For Class 52 Rating, Deduct</i>	-155.46	
<i>For Class 54 Rating, Add</i>	216.48	
<i>For Class 55 Rating, Add</i>	324.14	
<i>For Class 56 Rating, Add</i>	430.38	
40 05 19 00-1085 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,863.79	249.92
<i>For Class 52 Rating, Deduct</i>	-163.36	
<i>For Class 54 Rating, Add</i>	227.31	
<i>For Class 55 Rating, Add</i>	340.27	
<i>For Class 56 Rating, Add</i>	451.75	
40 05 19 00-1086 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.04	252.79
<i>For Class 52 Rating, Deduct</i>	-171.27	
<i>For Class 54 Rating, Add</i>	238.15	
<i>For Class 55 Rating, Add</i>	356.41	
<i>For Class 56 Rating, Add</i>	473.11	
40 05 19 00-1087 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,016.29	255.66
<i>For Class 52 Rating, Deduct</i>	-179.18	
<i>For Class 54 Rating, Add</i>	248.99	
<i>For Class 55 Rating, Add</i>	372.55	
<i>For Class 56 Rating, Add</i>	494.48	
40 05 19 00-1088 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.55	258.54
<i>For Class 52 Rating, Deduct</i>	-187.09	
<i>For Class 54 Rating, Add</i>	259.83	
<i>For Class 55 Rating, Add</i>	388.69	
<i>For Class 56 Rating, Add</i>	515.85	
40 05 19 00-1089 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,168.81	261.41
<i>For Class 52 Rating, Deduct</i>	-195.00	
<i>For Class 54 Rating, Add</i>	270.66	
<i>For Class 55 Rating, Add</i>	404.82	
<i>For Class 56 Rating, Add</i>	537.21	
40 05 19 00-1090 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,245.05	264.28
<i>For Class 52 Rating, Deduct</i>	-202.91	
<i>For Class 54 Rating, Add</i>	281.50	
<i>For Class 55 Rating, Add</i>	420.96	
<i>For Class 56 Rating, Add</i>	558.58	
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,321.30	267.15
<i>For Class 52 Rating, Deduct</i>	-210.82	
<i>For Class 54 Rating, Add</i>	292.34	
<i>For Class 55 Rating, Add</i>	437.10	
<i>For Class 56 Rating, Add</i>	579.95	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,397.55	270.03
<i>For Class 52 Rating, Deduct</i>	-218.73	
<i>For Class 54 Rating, Add</i>	303.17	
<i>For Class 55 Rating, Add</i>	453.24	
<i>For Class 56 Rating, Add</i>	601.31	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,473.80	272.89
			<i>For Class 52 Rating, Deduct</i>	-226.64	
			<i>For Class 54 Rating, Add</i>	314.01	
			<i>For Class 55 Rating, Add</i>	469.37	
			<i>For Class 56 Rating, Add</i>	622.68	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,550.04	275.77
			<i>For Class 52 Rating, Deduct</i>	-234.54	
			<i>For Class 54 Rating, Add</i>	324.85	
			<i>For Class 55 Rating, Add</i>	485.51	
			<i>For Class 56 Rating, Add</i>	644.04	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,626.29	278.65
			<i>For Class 52 Rating, Deduct</i>	-242.45	
			<i>For Class 54 Rating, Add</i>	335.68	
			<i>For Class 55 Rating, Add</i>	501.65	
			<i>For Class 56 Rating, Add</i>	665.41	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,702.56	281.52
			<i>For Class 52 Rating, Deduct</i>	-250.36	
			<i>For Class 54 Rating, Add</i>	346.52	
			<i>For Class 55 Rating, Add</i>	517.79	
			<i>For Class 56 Rating, Add</i>	686.78	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,778.81	284.39
			<i>For Class 52 Rating, Deduct</i>	-258.27	
			<i>For Class 54 Rating, Add</i>	357.36	
			<i>For Class 55 Rating, Add</i>	533.93	
			<i>For Class 56 Rating, Add</i>	708.15	
40 05 19 00-1098	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,855.05	287.26
			<i>For Class 52 Rating, Deduct</i>	-266.18	
			<i>For Class 54 Rating, Add</i>	368.19	
			<i>For Class 55 Rating, Add</i>	550.06	
			<i>For Class 56 Rating, Add</i>	729.51	
40 05 19 00-1099	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,931.30	290.14
			<i>For Class 52 Rating, Deduct</i>	-274.09	
			<i>For Class 54 Rating, Add</i>	379.03	
			<i>For Class 55 Rating, Add</i>	566.20	
			<i>For Class 56 Rating, Add</i>	750.88	
40 05 19 00-1100	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,007.55	293.00
			<i>For Class 52 Rating, Deduct</i>	-282.00	
			<i>For Class 54 Rating, Add</i>	389.87	
			<i>For Class 55 Rating, Add</i>	582.34	
			<i>For Class 56 Rating, Add</i>	772.24	
40 05 19 00-1101	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,083.80	295.88
			<i>For Class 52 Rating, Deduct</i>	-289.91	
			<i>For Class 54 Rating, Add</i>	400.70	
			<i>For Class 55 Rating, Add</i>	598.48	
			<i>For Class 56 Rating, Add</i>	793.61	
40 05 19 00-1102	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,160.04	298.76
			<i>For Class 52 Rating, Deduct</i>	-297.81	
			<i>For Class 54 Rating, Add</i>	411.54	
			<i>For Class 55 Rating, Add</i>	614.61	
			<i>For Class 56 Rating, Add</i>	814.98	
40 05 19 00-1103	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,236.29	301.63
			<i>For Class 52 Rating, Deduct</i>	-305.72	
			<i>For Class 54 Rating, Add</i>	422.38	
			<i>For Class 55 Rating, Add</i>	630.75	
			<i>For Class 56 Rating, Add</i>	836.34	
40 05 19 00-1104	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,312.55	304.49
			<i>For Class 52 Rating, Deduct</i>	-313.63	
			<i>For Class 54 Rating, Add</i>	433.21	
			<i>For Class 55 Rating, Add</i>	646.89	
			<i>For Class 56 Rating, Add</i>	857.71	
40 05 19 00-1105	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,388.81	307.37
			<i>For Class 52 Rating, Deduct</i>	-321.54	
			<i>For Class 54 Rating, Add</i>	444.05	
			<i>For Class 55 Rating, Add</i>	663.03	
			<i>For Class 56 Rating, Add</i>	879.08	
40 05 19 00-1106	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,465.05	310.25
			<i>For Class 52 Rating, Deduct</i>	-329.45	
			<i>For Class 54 Rating, Add</i>	454.89	
			<i>For Class 55 Rating, Add</i>	679.16	
			<i>For Class 56 Rating, Add</i>	900.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.30	313.10
For Class 52 Rating, Deduct	-337.36	
For Class 54 Rating, Add	465.73	
For Class 55 Rating, Add	695.30	
For Class 56 Rating, Add	921.81	
40 05 19 00-1108 EA 6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,617.55	315.98
For Class 52 Rating, Deduct	-345.27	
For Class 54 Rating, Add	476.56	
For Class 55 Rating, Add	711.44	
For Class 56 Rating, Add	943.18	
40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1110 EA 8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	991.34	264.28
For Class 52 Rating, Deduct	-65.00	
For Class 54 Rating, Add	93.44	
For Class 55 Rating, Add	141.38	
For Class 56 Rating, Add	188.73	
40 05 19 00-1111 EA 8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,094.55	267.15
For Class 52 Rating, Deduct	-75.87	
For Class 54 Rating, Add	108.32	
For Class 55 Rating, Add	163.53	
For Class 56 Rating, Add	218.05	
40 05 19 00-1112 EA 8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,197.76	270.03
For Class 52 Rating, Deduct	-86.75	
For Class 54 Rating, Add	123.20	
For Class 55 Rating, Add	185.68	
For Class 56 Rating, Add	247.37	
40 05 19 00-1113 EA 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.97	272.89
For Class 52 Rating, Deduct	-97.62	
For Class 54 Rating, Add	138.09	
For Class 55 Rating, Add	207.83	
For Class 56 Rating, Add	276.69	
40 05 19 00-1114 EA 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,404.18	275.77
For Class 52 Rating, Deduct	-108.50	
For Class 54 Rating, Add	152.97	
For Class 55 Rating, Add	229.98	
For Class 56 Rating, Add	306.02	
40 05 19 00-1115 EA 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,507.38	278.65
For Class 52 Rating, Deduct	-119.37	
For Class 54 Rating, Add	167.85	
For Class 55 Rating, Add	252.13	
For Class 56 Rating, Add	335.33	
40 05 19 00-1116 EA 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,610.61	281.52
For Class 52 Rating, Deduct	-130.25	
For Class 54 Rating, Add	182.73	
For Class 55 Rating, Add	274.28	
For Class 56 Rating, Add	364.65	
40 05 19 00-1117 EA 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,713.82	284.39
For Class 52 Rating, Deduct	-141.12	
For Class 54 Rating, Add	197.61	
For Class 55 Rating, Add	296.43	
For Class 56 Rating, Add	393.97	
40 05 19 00-1118 EA 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.03	287.26
For Class 52 Rating, Deduct	-152.00	
For Class 54 Rating, Add	212.49	
For Class 55 Rating, Add	318.58	
For Class 56 Rating, Add	423.29	
40 05 19 00-1119 EA 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,920.24	290.14
For Class 52 Rating, Deduct	-162.87	
For Class 54 Rating, Add	227.37	
For Class 55 Rating, Add	340.73	
For Class 56 Rating, Add	452.61	
40 05 19 00-1120 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,023.45	293.00
For Class 52 Rating, Deduct	-173.75	
For Class 54 Rating, Add	242.25	
For Class 55 Rating, Add	362.88	
For Class 56 Rating, Add	481.93	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,126.66	295.88
		<i>For Class 52 Rating, Deduct</i>		-184.62	
		<i>For Class 54 Rating, Add</i>		257.13	
		<i>For Class 55 Rating, Add</i>		385.03	
		<i>For Class 56 Rating, Add</i>		511.26	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,229.87	298.76
		<i>For Class 52 Rating, Deduct</i>		-195.49	
		<i>For Class 54 Rating, Add</i>		272.01	
		<i>For Class 55 Rating, Add</i>		407.18	
		<i>For Class 56 Rating, Add</i>		540.58	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,333.08	301.63
		<i>For Class 52 Rating, Deduct</i>		-206.37	
		<i>For Class 54 Rating, Add</i>		286.90	
		<i>For Class 55 Rating, Add</i>		429.33	
		<i>For Class 56 Rating, Add</i>		569.90	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,436.30	304.49
		<i>For Class 52 Rating, Deduct</i>		-217.24	
		<i>For Class 54 Rating, Add</i>		301.78	
		<i>For Class 55 Rating, Add</i>		451.48	
		<i>For Class 56 Rating, Add</i>		599.22	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,539.52	307.37
		<i>For Class 52 Rating, Deduct</i>		-228.12	
		<i>For Class 54 Rating, Add</i>		316.66	
		<i>For Class 55 Rating, Add</i>		473.63	
		<i>For Class 56 Rating, Add</i>		628.54	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,642.73	310.25
		<i>For Class 52 Rating, Deduct</i>		-238.99	
		<i>For Class 54 Rating, Add</i>		331.54	
		<i>For Class 55 Rating, Add</i>		495.78	
		<i>For Class 56 Rating, Add</i>		657.86	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,745.93	313.10
		<i>For Class 52 Rating, Deduct</i>		-249.87	
		<i>For Class 54 Rating, Add</i>		346.42	
		<i>For Class 55 Rating, Add</i>		517.93	
		<i>For Class 56 Rating, Add</i>		687.17	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,849.14	315.98
		<i>For Class 52 Rating, Deduct</i>		-260.74	
		<i>For Class 54 Rating, Add</i>		361.30	
		<i>For Class 55 Rating, Add</i>		540.08	
		<i>For Class 56 Rating, Add</i>		716.49	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,952.35	318.86
		<i>For Class 52 Rating, Deduct</i>		-271.62	
		<i>For Class 54 Rating, Add</i>		376.18	
		<i>For Class 55 Rating, Add</i>		562.23	
		<i>For Class 56 Rating, Add</i>		745.82	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,055.56	321.74
		<i>For Class 52 Rating, Deduct</i>		-282.49	
		<i>For Class 54 Rating, Add</i>		391.06	
		<i>For Class 55 Rating, Add</i>		584.38	
		<i>For Class 56 Rating, Add</i>		775.14	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,158.77	324.61
		<i>For Class 52 Rating, Deduct</i>		-293.36	
		<i>For Class 54 Rating, Add</i>		405.94	
		<i>For Class 55 Rating, Add</i>		606.53	
		<i>For Class 56 Rating, Add</i>		804.46	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,261.99	327.47
		<i>For Class 52 Rating, Deduct</i>		-304.24	
		<i>For Class 54 Rating, Add</i>		420.83	
		<i>For Class 55 Rating, Add</i>		628.68	
		<i>For Class 56 Rating, Add</i>		833.78	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,365.21	330.35
		<i>For Class 52 Rating, Deduct</i>		-315.11	
		<i>For Class 54 Rating, Add</i>		435.71	
		<i>For Class 55 Rating, Add</i>		650.83	
		<i>For Class 56 Rating, Add</i>		863.10	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,468.42	333.23
		<i>For Class 52 Rating, Deduct</i>		-325.99	
		<i>For Class 54 Rating, Add</i>		450.59	
		<i>For Class 55 Rating, Add</i>		672.98	
		<i>For Class 56 Rating, Add</i>		892.42	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135	EA			8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,571.63	336.10
				For Class 52 Rating, Deduct	-336.86	
				For Class 54 Rating, Add	465.47	
				For Class 55 Rating, Add	695.13	
				For Class 56 Rating, Add	921.74	
40 05 19 00-1136	EA			8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,674.84	338.97
				For Class 52 Rating, Deduct	-347.74	
				For Class 54 Rating, Add	480.35	
				For Class 55 Rating, Add	717.28	
				For Class 56 Rating, Add	951.06	
40 05 19 00-1137	EA			8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,778.05	341.84
				For Class 52 Rating, Deduct	-358.61	
				For Class 54 Rating, Add	495.23	
				For Class 55 Rating, Add	739.44	
				For Class 56 Rating, Add	980.38	
40 05 19 00-1138	EA			8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,881.26	344.71
				For Class 52 Rating, Deduct	-369.49	
				For Class 54 Rating, Add	510.11	
				For Class 55 Rating, Add	761.59	
				For Class 56 Rating, Add	1,009.70	
40 05 19 00-1139	EA			8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,984.47	347.59
				For Class 52 Rating, Deduct	-380.36	
				For Class 54 Rating, Add	524.99	
				For Class 55 Rating, Add	783.74	
				For Class 56 Rating, Add	1,039.02	
40 05 19 00-1140	EA			8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,087.68	350.46
				For Class 52 Rating, Deduct	-391.23	
				For Class 54 Rating, Add	539.87	
				For Class 55 Rating, Add	805.88	
				For Class 56 Rating, Add	1,068.34	
40 05 19 00-1141	EA			8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.89	353.34
				For Class 52 Rating, Deduct	-402.11	
				For Class 54 Rating, Add	554.76	
				For Class 55 Rating, Add	828.03	
				For Class 56 Rating, Add	1,097.66	
40 05 19 00-1142	EA			8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,294.11	356.20
				For Class 52 Rating, Deduct	-412.98	
				For Class 54 Rating, Add	569.64	
				For Class 55 Rating, Add	850.18	
				For Class 56 Rating, Add	1,126.98	
40 05 19 00-1143	EA			8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,397.32	359.08
				For Class 52 Rating, Deduct	-423.86	
				For Class 54 Rating, Add	584.52	
				For Class 55 Rating, Add	872.33	
				For Class 56 Rating, Add	1,156.30	
40 05 19 00-1144	EA			8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,500.53	361.95
				For Class 52 Rating, Deduct	-434.73	
				For Class 54 Rating, Add	599.40	
				For Class 55 Rating, Add	894.48	
				For Class 56 Rating, Add	1,185.62	
40 05 19 00-1145	EA			8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,603.74	364.82
				For Class 52 Rating, Deduct	-445.61	
				For Class 54 Rating, Add	614.28	
				For Class 55 Rating, Add	916.63	
				For Class 56 Rating, Add	1,214.94	
40 05 19 00-1146	EA			8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,706.95	367.69
				For Class 52 Rating, Deduct	-456.48	
				For Class 54 Rating, Add	629.16	
				For Class 55 Rating, Add	938.78	
				For Class 56 Rating, Add	1,244.26	
40 05 19 00-1147	EA			8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,810.16	370.57
				For Class 52 Rating, Deduct	-467.36	
				For Class 54 Rating, Add	644.04	
				For Class 55 Rating, Add	960.94	
				For Class 56 Rating, Add	1,273.58	
40 05 19 00-1148	EA			8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,913.38	373.45
				For Class 52 Rating, Deduct	-478.23	
				For Class 54 Rating, Add	658.92	
				For Class 55 Rating, Add	983.09	
				For Class 56 Rating, Add	1,302.90	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.14	321.74
		For Class 52 Rating, Deduct	-83.78	
		For Class 54 Rating, Add	120.10	
		For Class 55 Rating, Add	181.55	
		For Class 56 Rating, Add	242.24	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,383.80	324.61
		For Class 52 Rating, Deduct	-98.12	
		For Class 54 Rating, Add	139.70	
		For Class 55 Rating, Add	210.72	
		For Class 56 Rating, Add	280.84	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,518.47	327.47
		For Class 52 Rating, Deduct	-112.45	
		For Class 54 Rating, Add	159.30	
		For Class 55 Rating, Add	239.88	
		For Class 56 Rating, Add	319.44	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.15	330.35
		For Class 52 Rating, Deduct	-126.79	
		For Class 54 Rating, Add	178.90	
		For Class 55 Rating, Add	269.04	
		For Class 56 Rating, Add	358.04	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,787.81	333.23
		For Class 52 Rating, Deduct	-141.12	
		For Class 54 Rating, Add	198.50	
		For Class 55 Rating, Add	298.21	
		For Class 56 Rating, Add	396.64	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,922.48	336.10
		For Class 52 Rating, Deduct	-155.46	
		For Class 54 Rating, Add	218.10	
		For Class 55 Rating, Add	327.37	
		For Class 56 Rating, Add	435.24	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,057.14	338.97
		For Class 52 Rating, Deduct	-169.79	
		For Class 54 Rating, Add	237.70	
		For Class 55 Rating, Add	356.54	
		For Class 56 Rating, Add	473.84	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,191.81	341.84
		For Class 52 Rating, Deduct	-184.13	
		For Class 54 Rating, Add	257.30	
		For Class 55 Rating, Add	385.70	
		For Class 56 Rating, Add	512.44	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,326.47	344.71
		For Class 52 Rating, Deduct	-198.46	
		For Class 54 Rating, Add	276.89	
		For Class 55 Rating, Add	414.87	
		For Class 56 Rating, Add	551.04	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,461.13	347.59
		For Class 52 Rating, Deduct	-212.79	
		For Class 54 Rating, Add	296.49	
		For Class 55 Rating, Add	444.03	
		For Class 56 Rating, Add	589.63	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,595.81	350.46
		For Class 52 Rating, Deduct	-227.13	
		For Class 54 Rating, Add	316.09	
		For Class 55 Rating, Add	473.20	
		For Class 56 Rating, Add	628.23	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,730.47	353.34
		For Class 52 Rating, Deduct	-241.46	
		For Class 54 Rating, Add	335.69	
		For Class 55 Rating, Add	502.36	
		For Class 56 Rating, Add	666.83	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,865.15	356.20
		For Class 52 Rating, Deduct	-255.80	
		For Class 54 Rating, Add	355.29	
		For Class 55 Rating, Add	531.53	
		For Class 56 Rating, Add	705.43	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,999.81	359.08
		For Class 52 Rating, Deduct	-270.13	
		For Class 54 Rating, Add	374.89	
		For Class 55 Rating, Add	560.69	
		For Class 56 Rating, Add	744.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,134.48	361.95
<i>For Class 52 Rating, Deduct</i>	-284.47	
<i>For Class 54 Rating, Add</i>	394.49	
<i>For Class 55 Rating, Add</i>	589.86	
<i>For Class 56 Rating, Add</i>	782.63	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.14	364.82
<i>For Class 52 Rating, Deduct</i>	-298.80	
<i>For Class 54 Rating, Add</i>	414.09	
<i>For Class 55 Rating, Add</i>	619.02	
<i>For Class 56 Rating, Add</i>	821.23	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,403.81	367.69
<i>For Class 52 Rating, Deduct</i>	-313.14	
<i>For Class 54 Rating, Add</i>	433.69	
<i>For Class 55 Rating, Add</i>	648.18	
<i>For Class 56 Rating, Add</i>	859.83	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,538.47	370.57
<i>For Class 52 Rating, Deduct</i>	-327.47	
<i>For Class 54 Rating, Add</i>	453.29	
<i>For Class 55 Rating, Add</i>	677.35	
<i>For Class 56 Rating, Add</i>	898.43	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,673.14	373.45
<i>For Class 52 Rating, Deduct</i>	-341.81	
<i>For Class 54 Rating, Add</i>	472.89	
<i>For Class 55 Rating, Add</i>	706.51	
<i>For Class 56 Rating, Add</i>	937.03	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,807.81	376.31
<i>For Class 52 Rating, Deduct</i>	-356.14	
<i>For Class 54 Rating, Add</i>	492.49	
<i>For Class 55 Rating, Add</i>	735.68	
<i>For Class 56 Rating, Add</i>	975.63	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,942.48	379.19
<i>For Class 52 Rating, Deduct</i>	-370.47	
<i>For Class 54 Rating, Add</i>	512.09	
<i>For Class 55 Rating, Add</i>	764.84	
<i>For Class 56 Rating, Add</i>	1,014.23	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,077.15	382.06
<i>For Class 52 Rating, Deduct</i>	-384.81	
<i>For Class 54 Rating, Add</i>	531.69	
<i>For Class 55 Rating, Add</i>	794.01	
<i>For Class 56 Rating, Add</i>	1,052.83	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,211.81	384.92
<i>For Class 52 Rating, Deduct</i>	-399.14	
<i>For Class 54 Rating, Add</i>	551.29	
<i>For Class 55 Rating, Add</i>	823.17	
<i>For Class 56 Rating, Add</i>	1,091.43	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,346.48	387.80
<i>For Class 52 Rating, Deduct</i>	-413.48	
<i>For Class 54 Rating, Add</i>	570.89	
<i>For Class 55 Rating, Add</i>	852.34	
<i>For Class 56 Rating, Add</i>	1,130.03	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,481.14	390.68
<i>For Class 52 Rating, Deduct</i>	-427.81	
<i>For Class 54 Rating, Add</i>	590.48	
<i>For Class 55 Rating, Add</i>	881.50	
<i>For Class 56 Rating, Add</i>	1,168.63	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,615.81	393.55
<i>For Class 52 Rating, Deduct</i>	-442.15	
<i>For Class 54 Rating, Add</i>	610.08	
<i>For Class 55 Rating, Add</i>	910.67	
<i>For Class 56 Rating, Add</i>	1,207.23	
40 05 19 00-1176 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,750.48	396.41
<i>For Class 52 Rating, Deduct</i>	-456.48	
<i>For Class 54 Rating, Add</i>	629.68	
<i>For Class 55 Rating, Add</i>	939.83	
<i>For Class 56 Rating, Add</i>	1,245.83	
40 05 19 00-1177 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,885.14	399.29
<i>For Class 52 Rating, Deduct</i>	-470.82	
<i>For Class 54 Rating, Add</i>	649.28	
<i>For Class 55 Rating, Add</i>	968.99	
<i>For Class 56 Rating, Add</i>	1,284.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,019.81	402.17
			<i>For Class 52 Rating, Deduct</i>	-485.15	
			<i>For Class 54 Rating, Add</i>	668.88	
			<i>For Class 55 Rating, Add</i>	998.16	
			<i>For Class 56 Rating, Add</i>	1,323.02	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,154.48	405.05
			<i>For Class 52 Rating, Deduct</i>	-499.49	
			<i>For Class 54 Rating, Add</i>	688.48	
			<i>For Class 55 Rating, Add</i>	1,027.32	
			<i>For Class 56 Rating, Add</i>	1,361.62	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,289.15	407.91
			<i>For Class 52 Rating, Deduct</i>	-513.82	
			<i>For Class 54 Rating, Add</i>	708.08	
			<i>For Class 55 Rating, Add</i>	1,056.49	
			<i>For Class 56 Rating, Add</i>	1,400.22	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,423.81	410.78
			<i>For Class 52 Rating, Deduct</i>	-528.16	
			<i>For Class 54 Rating, Add</i>	727.68	
			<i>For Class 55 Rating, Add</i>	1,085.65	
			<i>For Class 56 Rating, Add</i>	1,438.82	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,558.48	413.66
			<i>For Class 52 Rating, Deduct</i>	-542.49	
			<i>For Class 54 Rating, Add</i>	747.28	
			<i>For Class 55 Rating, Add</i>	1,114.82	
			<i>For Class 56 Rating, Add</i>	1,477.42	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,693.15	416.53
			<i>For Class 52 Rating, Deduct</i>	-556.82	
			<i>For Class 54 Rating, Add</i>	766.88	
			<i>For Class 55 Rating, Add</i>	1,143.98	
			<i>For Class 56 Rating, Add</i>	1,516.02	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,827.81	419.40
			<i>For Class 52 Rating, Deduct</i>	-571.16	
			<i>For Class 54 Rating, Add</i>	786.48	
			<i>For Class 55 Rating, Add</i>	1,173.15	
			<i>For Class 56 Rating, Add</i>	1,554.62	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,962.48	422.27
			<i>For Class 52 Rating, Deduct</i>	-585.49	
			<i>For Class 54 Rating, Add</i>	806.08	
			<i>For Class 55 Rating, Add</i>	1,202.31	
			<i>For Class 56 Rating, Add</i>	1,593.22	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,097.14	425.15
			<i>For Class 52 Rating, Deduct</i>	-599.83	
			<i>For Class 54 Rating, Add</i>	825.68	
			<i>For Class 55 Rating, Add</i>	1,231.47	
			<i>For Class 56 Rating, Add</i>	1,631.82	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,231.82	428.02
			<i>For Class 52 Rating, Deduct</i>	-614.16	
			<i>For Class 54 Rating, Add</i>	845.28	
			<i>For Class 55 Rating, Add</i>	1,260.64	
			<i>For Class 56 Rating, Add</i>	1,670.42	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,366.48	430.90
			<i>For Class 52 Rating, Deduct</i>	-628.50	
			<i>For Class 54 Rating, Add</i>	864.88	
			<i>For Class 55 Rating, Add</i>	1,289.80	
			<i>For Class 56 Rating, Add</i>	1,709.02	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,624.89	402.17
			<i>For Class 52 Rating, Deduct</i>	-111.71	
			<i>For Class 54 Rating, Add</i>	159.64	
			<i>For Class 55 Rating, Add</i>	241.09	
			<i>For Class 56 Rating, Add</i>	321.52	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,793.27	405.05
			<i>For Class 52 Rating, Deduct</i>	-129.75	
			<i>For Class 54 Rating, Add</i>	184.30	
			<i>For Class 55 Rating, Add</i>	277.77	
			<i>For Class 56 Rating, Add</i>	370.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192 EA 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	1,961.64	407.91
For Class 52 Rating, Deduct	-147.79	
For Class 54 Rating, Add	208.96	
For Class 55 Rating, Add	314.45	
For Class 56 Rating, Add	418.61	
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,130.00	410.78
For Class 52 Rating, Deduct	-165.84	
For Class 54 Rating, Add	233.61	
For Class 55 Rating, Add	351.13	
For Class 56 Rating, Add	467.15	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,298.37	413.66
For Class 52 Rating, Deduct	-183.88	
For Class 54 Rating, Add	258.26	
For Class 55 Rating, Add	387.81	
For Class 56 Rating, Add	515.69	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,466.75	416.53
For Class 52 Rating, Deduct	-201.92	
For Class 54 Rating, Add	282.92	
For Class 55 Rating, Add	424.49	
For Class 56 Rating, Add	564.23	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,635.11	419.40
For Class 52 Rating, Deduct	-219.96	
For Class 54 Rating, Add	307.57	
For Class 55 Rating, Add	461.17	
For Class 56 Rating, Add	612.77	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,803.48	422.27
For Class 52 Rating, Deduct	-238.00	
For Class 54 Rating, Add	332.23	
For Class 55 Rating, Add	497.85	
For Class 56 Rating, Add	661.32	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	2,971.84	425.15
For Class 52 Rating, Deduct	-256.04	
For Class 54 Rating, Add	356.88	
For Class 55 Rating, Add	534.53	
For Class 56 Rating, Add	709.86	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,140.22	428.02
For Class 52 Rating, Deduct	-274.09	
For Class 54 Rating, Add	381.54	
For Class 55 Rating, Add	571.21	
For Class 56 Rating, Add	758.40	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,308.59	430.90
For Class 52 Rating, Deduct	-292.13	
For Class 54 Rating, Add	406.19	
For Class 55 Rating, Add	607.89	
For Class 56 Rating, Add	806.94	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,476.95	433.76
For Class 52 Rating, Deduct	-310.17	
For Class 54 Rating, Add	430.85	
For Class 55 Rating, Add	644.57	
For Class 56 Rating, Add	855.48	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,645.32	436.63
For Class 52 Rating, Deduct	-328.21	
For Class 54 Rating, Add	455.50	
For Class 55 Rating, Add	681.25	
For Class 56 Rating, Add	904.02	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,813.70	439.51
For Class 52 Rating, Deduct	-346.25	
For Class 54 Rating, Add	480.16	
For Class 55 Rating, Add	717.94	
For Class 56 Rating, Add	952.57	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	3,982.06	442.39
For Class 52 Rating, Deduct	-364.30	
For Class 54 Rating, Add	504.81	
For Class 55 Rating, Add	754.61	
For Class 56 Rating, Add	1,001.11	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,150.43	445.26
For Class 52 Rating, Deduct	-382.34	
For Class 54 Rating, Add	529.47	
For Class 55 Rating, Add	791.29	
For Class 56 Rating, Add	1,049.65	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,318.80	448.12
		<i>For Class 52 Rating, Deduct</i>		-400.38	
		<i>For Class 54 Rating, Add</i>		554.12	
		<i>For Class 55 Rating, Add</i>		827.98	
		<i>For Class 56 Rating, Add</i>		1,098.19	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,487.16	451.00
		<i>For Class 52 Rating, Deduct</i>		-418.42	
		<i>For Class 54 Rating, Add</i>		578.77	
		<i>For Class 55 Rating, Add</i>		864.65	
		<i>For Class 56 Rating, Add</i>		1,146.73	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,655.54	453.88
		<i>For Class 52 Rating, Deduct</i>		-436.46	
		<i>For Class 54 Rating, Add</i>		603.43	
		<i>For Class 55 Rating, Add</i>		901.34	
		<i>For Class 56 Rating, Add</i>		1,195.27	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,823.91	456.74
		<i>For Class 52 Rating, Deduct</i>		-454.51	
		<i>For Class 54 Rating, Add</i>		628.08	
		<i>For Class 55 Rating, Add</i>		938.02	
		<i>For Class 56 Rating, Add</i>		1,243.82	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,992.27	459.61
		<i>For Class 52 Rating, Deduct</i>		-472.55	
		<i>For Class 54 Rating, Add</i>		652.74	
		<i>For Class 55 Rating, Add</i>		974.69	
		<i>For Class 56 Rating, Add</i>		1,292.35	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,160.65	462.49
		<i>For Class 52 Rating, Deduct</i>		-490.59	
		<i>For Class 54 Rating, Add</i>		677.39	
		<i>For Class 55 Rating, Add</i>		1,011.38	
		<i>For Class 56 Rating, Add</i>		1,340.90	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,329.01	465.37
		<i>For Class 52 Rating, Deduct</i>		-508.63	
		<i>For Class 54 Rating, Add</i>		702.05	
		<i>For Class 55 Rating, Add</i>		1,048.05	
		<i>For Class 56 Rating, Add</i>		1,389.44	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,497.38	468.23
		<i>For Class 52 Rating, Deduct</i>		-526.67	
		<i>For Class 54 Rating, Add</i>		726.70	
		<i>For Class 55 Rating, Add</i>		1,084.74	
		<i>For Class 56 Rating, Add</i>		1,437.98	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,665.75	471.11
		<i>For Class 52 Rating, Deduct</i>		-544.71	
		<i>For Class 54 Rating, Add</i>		751.36	
		<i>For Class 55 Rating, Add</i>		1,121.42	
		<i>For Class 56 Rating, Add</i>		1,486.52	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,834.11	473.98
		<i>For Class 52 Rating, Deduct</i>		-562.76	
		<i>For Class 54 Rating, Add</i>		776.01	
		<i>For Class 55 Rating, Add</i>		1,158.09	
		<i>For Class 56 Rating, Add</i>		1,535.06	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,002.49	476.86
		<i>For Class 52 Rating, Deduct</i>		-580.80	
		<i>For Class 54 Rating, Add</i>		800.67	
		<i>For Class 55 Rating, Add</i>		1,194.78	
		<i>For Class 56 Rating, Add</i>		1,583.60	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,170.86	479.72
		<i>For Class 52 Rating, Deduct</i>		-598.84	
		<i>For Class 54 Rating, Add</i>		825.32	
		<i>For Class 55 Rating, Add</i>		1,231.46	
		<i>For Class 56 Rating, Add</i>		1,632.15	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,339.22	482.60
		<i>For Class 52 Rating, Deduct</i>		-616.88	
		<i>For Class 54 Rating, Add</i>		849.98	
		<i>For Class 55 Rating, Add</i>		1,268.14	
		<i>For Class 56 Rating, Add</i>		1,680.69	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,507.60	485.48
		<i>For Class 52 Rating, Deduct</i>		-634.92	
		<i>For Class 54 Rating, Add</i>		874.63	
		<i>For Class 55 Rating, Add</i>		1,304.82	
		<i>For Class 56 Rating, Add</i>		1,729.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220 EA 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,675.97	488.34
<i>For Class 52 Rating, Deduct</i>	-652.97	
<i>For Class 54 Rating, Add</i>	899.29	
<i>For Class 55 Rating, Add</i>	1,341.50	
<i>For Class 56 Rating, Add</i>	1,777.77	
40 05 19 00-1221 EA 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,844.33	491.22
<i>For Class 52 Rating, Deduct</i>	-671.01	
<i>For Class 54 Rating, Add</i>	923.94	
<i>For Class 55 Rating, Add</i>	1,378.18	
<i>For Class 56 Rating, Add</i>	1,826.31	
40 05 19 00-1222 EA 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,012.70	494.09
<i>For Class 52 Rating, Deduct</i>	-689.05	
<i>For Class 54 Rating, Add</i>	948.60	
<i>For Class 55 Rating, Add</i>	1,414.86	
<i>For Class 56 Rating, Add</i>	1,874.85	
40 05 19 00-1223 EA 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,181.06	496.97
<i>For Class 52 Rating, Deduct</i>	-707.09	
<i>For Class 54 Rating, Add</i>	973.25	
<i>For Class 55 Rating, Add</i>	1,451.54	
<i>For Class 56 Rating, Add</i>	1,923.39	
40 05 19 00-1224 EA 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,349.43	499.83
<i>For Class 52 Rating, Deduct</i>	-725.13	
<i>For Class 54 Rating, Add</i>	997.90	
<i>For Class 55 Rating, Add</i>	1,488.22	
<i>For Class 56 Rating, Add</i>	1,971.94	
40 05 19 00-1225 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,517.81	502.71
<i>For Class 52 Rating, Deduct</i>	-743.17	
<i>For Class 54 Rating, Add</i>	1,022.56	
<i>For Class 55 Rating, Add</i>	1,524.90	
<i>For Class 56 Rating, Add</i>	2,020.48	
40 05 19 00-1226 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,686.17	505.58
<i>For Class 52 Rating, Deduct</i>	-761.22	
<i>For Class 54 Rating, Add</i>	1,047.21	
<i>For Class 55 Rating, Add</i>	1,561.58	
<i>For Class 56 Rating, Add</i>	2,069.02	
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,854.55	508.45
<i>For Class 52 Rating, Deduct</i>	-779.26	
<i>For Class 54 Rating, Add</i>	1,071.87	
<i>For Class 55 Rating, Add</i>	1,598.26	
<i>For Class 56 Rating, Add</i>	2,117.56	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,022.92	511.33
<i>For Class 52 Rating, Deduct</i>	-797.30	
<i>For Class 54 Rating, Add</i>	1,096.52	
<i>For Class 55 Rating, Add</i>	1,634.94	
<i>For Class 56 Rating, Add</i>	2,166.10	
40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,180.40	482.60
<i>For Class 52 Rating, Deduct</i>	-159.41	
<i>For Class 54 Rating, Add</i>	226.15	
<i>For Class 55 Rating, Add</i>	340.72	
<i>For Class 56 Rating, Add</i>	453.83	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,384.72	485.48
<i>For Class 52 Rating, Deduct</i>	-181.41	
<i>For Class 54 Rating, Add</i>	256.20	
<i>For Class 55 Rating, Add</i>	385.41	
<i>For Class 56 Rating, Add</i>	512.98	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,589.04	488.34
<i>For Class 52 Rating, Deduct</i>	-203.40	
<i>For Class 54 Rating, Add</i>	286.25	
<i>For Class 55 Rating, Add</i>	430.11	
<i>For Class 56 Rating, Add</i>	572.13	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,793.35	491.22
<i>For Class 52 Rating, Deduct</i>	-225.40	
<i>For Class 54 Rating, Add</i>	316.29	
<i>For Class 55 Rating, Add</i>	474.81	
<i>For Class 56 Rating, Add</i>	631.27	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,997.67	494.09
		<i>For Class 52 Rating, Deduct</i>		-247.40	
		<i>For Class 54 Rating, Add</i>		346.34	
		<i>For Class 55 Rating, Add</i>		519.51	
		<i>For Class 56 Rating, Add</i>		690.42	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,201.98	496.97
		<i>For Class 52 Rating, Deduct</i>		-269.39	
		<i>For Class 54 Rating, Add</i>		376.39	
		<i>For Class 55 Rating, Add</i>		564.20	
		<i>For Class 56 Rating, Add</i>		749.56	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,406.30	499.83
		<i>For Class 52 Rating, Deduct</i>		-291.39	
		<i>For Class 54 Rating, Add</i>		406.43	
		<i>For Class 55 Rating, Add</i>		608.90	
		<i>For Class 56 Rating, Add</i>		808.71	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,610.62	502.71
		<i>For Class 52 Rating, Deduct</i>		-313.38	
		<i>For Class 54 Rating, Add</i>		436.48	
		<i>For Class 55 Rating, Add</i>		653.59	
		<i>For Class 56 Rating, Add</i>		867.86	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,814.94	505.58
		<i>For Class 52 Rating, Deduct</i>		-335.38	
		<i>For Class 54 Rating, Add</i>		466.53	
		<i>For Class 55 Rating, Add</i>		698.29	
		<i>For Class 56 Rating, Add</i>		927.01	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,019.26	508.45
		<i>For Class 52 Rating, Deduct</i>		-357.38	
		<i>For Class 54 Rating, Add</i>		496.58	
		<i>For Class 55 Rating, Add</i>		742.99	
		<i>For Class 56 Rating, Add</i>		986.15	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,223.58	511.33
		<i>For Class 52 Rating, Deduct</i>		-379.37	
		<i>For Class 54 Rating, Add</i>		526.62	
		<i>For Class 55 Rating, Add</i>		787.69	
		<i>For Class 56 Rating, Add</i>		1,045.30	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,427.89	514.20
		<i>For Class 52 Rating, Deduct</i>		-401.37	
		<i>For Class 54 Rating, Add</i>		556.67	
		<i>For Class 55 Rating, Add</i>		832.38	
		<i>For Class 56 Rating, Add</i>		1,104.44	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,632.21	517.07
		<i>For Class 52 Rating, Deduct</i>		-423.36	
		<i>For Class 54 Rating, Add</i>		586.72	
		<i>For Class 55 Rating, Add</i>		877.08	
		<i>For Class 56 Rating, Add</i>		1,163.59	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,836.52	519.94
		<i>For Class 52 Rating, Deduct</i>		-445.36	
		<i>For Class 54 Rating, Add</i>		616.76	
		<i>For Class 55 Rating, Add</i>		921.77	
		<i>For Class 56 Rating, Add</i>		1,222.74	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,040.84	522.82
		<i>For Class 52 Rating, Deduct</i>		-467.36	
		<i>For Class 54 Rating, Add</i>		646.81	
		<i>For Class 55 Rating, Add</i>		966.47	
		<i>For Class 56 Rating, Add</i>		1,281.88	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,245.15	525.70
		<i>For Class 52 Rating, Deduct</i>		-489.35	
		<i>For Class 54 Rating, Add</i>		676.86	
		<i>For Class 55 Rating, Add</i>		1,011.17	
		<i>For Class 56 Rating, Add</i>		1,341.03	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,449.48	528.55
		<i>For Class 52 Rating, Deduct</i>		-511.35	
		<i>For Class 54 Rating, Add</i>		706.90	
		<i>For Class 55 Rating, Add</i>		1,055.86	
		<i>For Class 56 Rating, Add</i>		1,400.18	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,653.80	531.43
		<i>For Class 52 Rating, Deduct</i>		-533.34	
		<i>For Class 54 Rating, Add</i>		736.95	
		<i>For Class 55 Rating, Add</i>		1,100.56	
		<i>For Class 56 Rating, Add</i>		1,459.32	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248 EA 14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,858.12	534.31
<i>For Class 52 Rating, Deduct</i>	-555.34	
<i>For Class 54 Rating, Add</i>	767.00	
<i>For Class 55 Rating, Add</i>	1,145.26	
<i>For Class 56 Rating, Add</i>	1,518.47	
40 05 19 00-1249 EA 14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,062.43	537.19
<i>For Class 52 Rating, Deduct</i>	-577.34	
<i>For Class 54 Rating, Add</i>	797.04	
<i>For Class 55 Rating, Add</i>	1,189.95	
<i>For Class 56 Rating, Add</i>	1,577.61	
40 05 19 00-1250 EA 14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,266.75	540.04
<i>For Class 52 Rating, Deduct</i>	-599.33	
<i>For Class 54 Rating, Add</i>	827.09	
<i>For Class 55 Rating, Add</i>	1,234.65	
<i>For Class 56 Rating, Add</i>	1,636.76	
40 05 19 00-1251 EA 14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,471.07	542.92
<i>For Class 52 Rating, Deduct</i>	-621.33	
<i>For Class 54 Rating, Add</i>	857.14	
<i>For Class 55 Rating, Add</i>	1,279.35	
<i>For Class 56 Rating, Add</i>	1,695.91	
40 05 19 00-1252 EA 14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,675.38	545.80
<i>For Class 52 Rating, Deduct</i>	-643.33	
<i>For Class 54 Rating, Add</i>	887.19	
<i>For Class 55 Rating, Add</i>	1,324.04	
<i>For Class 56 Rating, Add</i>	1,755.05	
40 05 19 00-1253 EA 14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,879.70	548.68
<i>For Class 52 Rating, Deduct</i>	-665.32	
<i>For Class 54 Rating, Add</i>	917.23	
<i>For Class 55 Rating, Add</i>	1,368.74	
<i>For Class 56 Rating, Add</i>	1,814.20	
40 05 19 00-1254 EA 14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,084.03	551.54
<i>For Class 52 Rating, Deduct</i>	-687.32	
<i>For Class 54 Rating, Add</i>	947.28	
<i>For Class 55 Rating, Add</i>	1,413.44	
<i>For Class 56 Rating, Add</i>	1,873.35	
40 05 19 00-1255 EA 14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,288.35	554.41
<i>For Class 52 Rating, Deduct</i>	-709.32	
<i>For Class 54 Rating, Add</i>	977.33	
<i>For Class 55 Rating, Add</i>	1,458.14	
<i>For Class 56 Rating, Add</i>	1,932.50	
40 05 19 00-1256 EA 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,492.66	557.29
<i>For Class 52 Rating, Deduct</i>	-731.31	
<i>For Class 54 Rating, Add</i>	1,007.37	
<i>For Class 55 Rating, Add</i>	1,502.83	
<i>For Class 56 Rating, Add</i>	1,991.64	
40 05 19 00-1257 EA 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,696.98	560.16
<i>For Class 52 Rating, Deduct</i>	-753.31	
<i>For Class 54 Rating, Add</i>	1,037.42	
<i>For Class 55 Rating, Add</i>	1,547.53	
<i>For Class 56 Rating, Add</i>	2,050.79	
40 05 19 00-1258 EA 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,901.29	563.03
<i>For Class 52 Rating, Deduct</i>	-775.30	
<i>For Class 54 Rating, Add</i>	1,067.47	
<i>For Class 55 Rating, Add</i>	1,592.22	
<i>For Class 56 Rating, Add</i>	2,109.93	
40 05 19 00-1259 EA 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,105.61	565.91
<i>For Class 52 Rating, Deduct</i>	-797.30	
<i>For Class 54 Rating, Add</i>	1,097.52	
<i>For Class 55 Rating, Add</i>	1,636.92	
<i>For Class 56 Rating, Add</i>	2,169.08	
40 05 19 00-1260 EA 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,309.92	568.78
<i>For Class 52 Rating, Deduct</i>	-819.30	
<i>For Class 54 Rating, Add</i>	1,127.56	
<i>For Class 55 Rating, Add</i>	1,681.62	
<i>For Class 56 Rating, Add</i>	2,228.23	
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,514.24	571.65
<i>For Class 52 Rating, Deduct</i>	-841.29	
<i>For Class 54 Rating, Add</i>	1,157.61	
<i>For Class 55 Rating, Add</i>	1,726.32	
<i>For Class 56 Rating, Add</i>	2,287.37	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,718.56	574.53
		<i>For Class 52 Rating, Deduct</i>		-863.29	
		<i>For Class 54 Rating, Add</i>		1,187.66	
		<i>For Class 55 Rating, Add</i>		1,771.01	
		<i>For Class 56 Rating, Add</i>		2,346.52	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,922.89	577.40
		<i>For Class 52 Rating, Deduct</i>		-885.28	
		<i>For Class 54 Rating, Add</i>		1,217.70	
		<i>For Class 55 Rating, Add</i>		1,815.71	
		<i>For Class 56 Rating, Add</i>		2,405.67	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,127.20	580.26
		<i>For Class 52 Rating, Deduct</i>		-907.28	
		<i>For Class 54 Rating, Add</i>		1,247.75	
		<i>For Class 55 Rating, Add</i>		1,860.40	
		<i>For Class 56 Rating, Add</i>		2,464.81	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,331.52	583.14
		<i>For Class 52 Rating, Deduct</i>		-929.28	
		<i>For Class 54 Rating, Add</i>		1,277.80	
		<i>For Class 55 Rating, Add</i>		1,905.10	
		<i>For Class 56 Rating, Add</i>		2,523.96	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,535.83	586.02
		<i>For Class 52 Rating, Deduct</i>		-951.27	
		<i>For Class 54 Rating, Add</i>		1,307.84	
		<i>For Class 55 Rating, Add</i>		1,949.80	
		<i>For Class 56 Rating, Add</i>		2,583.10	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,740.15	588.89
		<i>For Class 52 Rating, Deduct</i>		-973.27	
		<i>For Class 54 Rating, Add</i>		1,337.89	
		<i>For Class 55 Rating, Add</i>		1,994.50	
		<i>For Class 56 Rating, Add</i>		2,642.25	
40 05 19 00-1268		16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>			
40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,549.99	551.54
		<i>For Class 52 Rating, Deduct</i>		-188.57	
		<i>For Class 54 Rating, Add</i>		267.17	
		<i>For Class 55 Rating, Add</i>		402.35	
		<i>For Class 56 Rating, Add</i>		535.81	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		2,788.01	554.41
		<i>For Class 52 Rating, Deduct</i>		-214.28	
		<i>For Class 54 Rating, Add</i>		302.28	
		<i>For Class 55 Rating, Add</i>		454.56	
		<i>For Class 56 Rating, Add</i>		604.90	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,026.02	557.29
		<i>For Class 52 Rating, Deduct</i>		-239.98	
		<i>For Class 54 Rating, Add</i>		337.38	
		<i>For Class 55 Rating, Add</i>		506.77	
		<i>For Class 56 Rating, Add</i>		673.98	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,264.04	560.16
		<i>For Class 52 Rating, Deduct</i>		-265.68	
		<i>For Class 54 Rating, Add</i>		372.48	
		<i>For Class 55 Rating, Add</i>		558.98	
		<i>For Class 56 Rating, Add</i>		743.07	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,502.06	563.03
		<i>For Class 52 Rating, Deduct</i>		-291.39	
		<i>For Class 54 Rating, Add</i>		407.58	
		<i>For Class 55 Rating, Add</i>		611.20	
		<i>For Class 56 Rating, Add</i>		812.16	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,740.07	565.91
		<i>For Class 52 Rating, Deduct</i>		-317.09	
		<i>For Class 54 Rating, Add</i>		442.69	
		<i>For Class 55 Rating, Add</i>		663.41	
		<i>For Class 56 Rating, Add</i>		881.25	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		3,978.09	568.78
		<i>For Class 52 Rating, Deduct</i>		-342.79	
		<i>For Class 54 Rating, Add</i>		477.79	
		<i>For Class 55 Rating, Add</i>		715.62	
		<i>For Class 56 Rating, Add</i>		950.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,216.11	571.65
For Class 52 Rating, Deduct	-368.50	
For Class 54 Rating, Add	512.89	
For Class 55 Rating, Add	767.83	
For Class 56 Rating, Add	1,019.42	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,454.14	574.53
For Class 52 Rating, Deduct	-394.20	
For Class 54 Rating, Add	547.99	
For Class 55 Rating, Add	820.05	
For Class 56 Rating, Add	1,088.51	
40 05 19 00-1278 EA 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,692.16	577.40
For Class 52 Rating, Deduct	-419.90	
For Class 54 Rating, Add	583.09	
For Class 55 Rating, Add	872.26	
For Class 56 Rating, Add	1,157.60	
40 05 19 00-1279 EA 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	4,930.18	580.26
For Class 52 Rating, Deduct	-445.61	
For Class 54 Rating, Add	618.20	
For Class 55 Rating, Add	924.47	
For Class 56 Rating, Add	1,226.69	
40 05 19 00-1280 EA 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,168.20	583.14
For Class 52 Rating, Deduct	-471.31	
For Class 54 Rating, Add	653.30	
For Class 55 Rating, Add	976.68	
For Class 56 Rating, Add	1,295.78	
40 05 19 00-1281 EA 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,406.21	586.02
For Class 52 Rating, Deduct	-497.01	
For Class 54 Rating, Add	688.40	
For Class 55 Rating, Add	1,028.89	
For Class 56 Rating, Add	1,364.87	
40 05 19 00-1282 EA 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,644.23	588.89
For Class 52 Rating, Deduct	-522.72	
For Class 54 Rating, Add	723.50	
For Class 55 Rating, Add	1,081.11	
For Class 56 Rating, Add	1,433.96	
40 05 19 00-1283 EA 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,882.25	591.76
For Class 52 Rating, Deduct	-548.42	
For Class 54 Rating, Add	758.61	
For Class 55 Rating, Add	1,133.32	
For Class 56 Rating, Add	1,503.04	
40 05 19 00-1284 EA 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,120.27	594.63
For Class 52 Rating, Deduct	-574.13	
For Class 54 Rating, Add	793.71	
For Class 55 Rating, Add	1,185.53	
For Class 56 Rating, Add	1,572.13	
40 05 19 00-1285 EA 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,358.29	597.51
For Class 52 Rating, Deduct	-599.83	
For Class 54 Rating, Add	828.81	
For Class 55 Rating, Add	1,237.74	
For Class 56 Rating, Add	1,641.22	
40 05 19 00-1286 EA 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,596.32	600.37
For Class 52 Rating, Deduct	-625.53	
For Class 54 Rating, Add	863.91	
For Class 55 Rating, Add	1,289.96	
For Class 56 Rating, Add	1,710.31	
40 05 19 00-1287 EA 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
Pipe	6,834.34	603.25
For Class 52 Rating, Deduct	-651.24	
For Class 54 Rating, Add	899.02	
For Class 55 Rating, Add	1,342.17	
For Class 56 Rating, Add	1,779.40	
40 05 19 00-1288 EA 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
Pipe	7,072.36	606.12
For Class 52 Rating, Deduct	-676.94	
For Class 54 Rating, Add	934.12	
For Class 55 Rating, Add	1,394.38	
For Class 56 Rating, Add	1,848.49	
40 05 19 00-1289 EA 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
Pipe	7,310.37	609.00
For Class 52 Rating, Deduct	-702.64	
For Class 54 Rating, Add	969.22	
For Class 55 Rating, Add	1,446.59	
For Class 56 Rating, Add	1,917.57	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,548.39	611.86
			<i>For Class 52 Rating, Deduct</i>	-728.35	
			<i>For Class 54 Rating, Add</i>	1,004.32	
			<i>For Class 55 Rating, Add</i>	1,498.80	
			<i>For Class 56 Rating, Add</i>	1,986.66	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,786.41	614.74
			<i>For Class 52 Rating, Deduct</i>	-754.05	
			<i>For Class 54 Rating, Add</i>	1,039.43	
			<i>For Class 55 Rating, Add</i>	1,551.02	
			<i>For Class 56 Rating, Add</i>	2,055.75	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,024.42	617.62
			<i>For Class 52 Rating, Deduct</i>	-779.75	
			<i>For Class 54 Rating, Add</i>	1,074.53	
			<i>For Class 55 Rating, Add</i>	1,603.23	
			<i>For Class 56 Rating, Add</i>	2,124.84	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,262.45	620.49
			<i>For Class 52 Rating, Deduct</i>	-805.46	
			<i>For Class 54 Rating, Add</i>	1,109.63	
			<i>For Class 55 Rating, Add</i>	1,655.44	
			<i>For Class 56 Rating, Add</i>	2,193.93	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,500.47	623.35
			<i>For Class 52 Rating, Deduct</i>	-831.16	
			<i>For Class 54 Rating, Add</i>	1,144.73	
			<i>For Class 55 Rating, Add</i>	1,707.65	
			<i>For Class 56 Rating, Add</i>	2,263.02	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,738.50	626.23
			<i>For Class 52 Rating, Deduct</i>	-856.86	
			<i>For Class 54 Rating, Add</i>	1,179.84	
			<i>For Class 55 Rating, Add</i>	1,759.87	
			<i>For Class 56 Rating, Add</i>	2,332.11	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,976.51	629.11
			<i>For Class 52 Rating, Deduct</i>	-882.57	
			<i>For Class 54 Rating, Add</i>	1,214.94	
			<i>For Class 55 Rating, Add</i>	1,812.08	
			<i>For Class 56 Rating, Add</i>	2,401.19	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,214.53	631.97
			<i>For Class 52 Rating, Deduct</i>	-908.27	
			<i>For Class 54 Rating, Add</i>	1,250.04	
			<i>For Class 55 Rating, Add</i>	1,864.29	
			<i>For Class 56 Rating, Add</i>	2,470.28	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,452.55	634.84
			<i>For Class 52 Rating, Deduct</i>	-933.97	
			<i>For Class 54 Rating, Add</i>	1,285.14	
			<i>For Class 55 Rating, Add</i>	1,916.50	
			<i>For Class 56 Rating, Add</i>	2,539.37	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,690.56	637.72
			<i>For Class 52 Rating, Deduct</i>	-959.68	
			<i>For Class 54 Rating, Add</i>	1,320.24	
			<i>For Class 55 Rating, Add</i>	1,968.71	
			<i>For Class 56 Rating, Add</i>	2,608.46	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,928.58	640.60
			<i>For Class 52 Rating, Deduct</i>	-985.38	
			<i>For Class 54 Rating, Add</i>	1,355.35	
			<i>For Class 55 Rating, Add</i>	2,020.93	
			<i>For Class 56 Rating, Add</i>	2,677.55	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,166.61	643.47
			<i>For Class 52 Rating, Deduct</i>	-1,011.08	
			<i>For Class 54 Rating, Add</i>	1,390.45	
			<i>For Class 55 Rating, Add</i>	2,073.14	
			<i>For Class 56 Rating, Add</i>	2,746.64	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,404.63	646.33
			<i>For Class 52 Rating, Deduct</i>	-1,036.79	
			<i>For Class 54 Rating, Add</i>	1,425.55	
			<i>For Class 55 Rating, Add</i>	2,125.35	
			<i>For Class 56 Rating, Add</i>	2,815.73	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,642.65	649.21
			<i>For Class 52 Rating, Deduct</i>	-1,062.49	
			<i>For Class 54 Rating, Add</i>	1,460.65	
			<i>For Class 55 Rating, Add</i>	2,177.56	
			<i>For Class 56 Rating, Add</i>	2,884.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,880.67	652.08
For Class 52 Rating, Deduct	-1,088.19	
For Class 54 Rating, Add	1,495.76	
For Class 55 Rating, Add	2,229.78	
For Class 56 Rating, Add	2,953.90	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,118.69	654.96
For Class 52 Rating, Deduct	-1,113.90	
For Class 54 Rating, Add	1,530.86	
For Class 55 Rating, Add	2,281.99	
For Class 56 Rating, Add	3,022.99	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,356.70	657.83
For Class 52 Rating, Deduct	-1,139.60	
For Class 54 Rating, Add	1,565.96	
For Class 55 Rating, Add	2,334.20	
For Class 56 Rating, Add	3,092.08	
40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,952.77	621.63
For Class 52 Rating, Deduct	-221.20	
For Class 54 Rating, Add	312.94	
For Class 55 Rating, Add	471.03	
For Class 56 Rating, Add	627.12	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,226.73	624.51
For Class 52 Rating, Deduct	-250.86	
For Class 54 Rating, Add	353.43	
For Class 55 Rating, Add	531.26	
For Class 56 Rating, Add	706.81	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.70	627.38
For Class 52 Rating, Deduct	-280.51	
For Class 54 Rating, Add	393.92	
For Class 55 Rating, Add	591.49	
For Class 56 Rating, Add	786.51	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,774.66	630.26
For Class 52 Rating, Deduct	-310.17	
For Class 54 Rating, Add	434.42	
For Class 55 Rating, Add	651.72	
For Class 56 Rating, Add	866.20	
40 05 19 00-1312 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,048.63	633.12
For Class 52 Rating, Deduct	-339.83	
For Class 54 Rating, Add	474.91	
For Class 55 Rating, Add	711.95	
For Class 56 Rating, Add	945.89	
40 05 19 00-1313 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,322.60	635.99
For Class 52 Rating, Deduct	-369.49	
For Class 54 Rating, Add	515.41	
For Class 55 Rating, Add	772.18	
For Class 56 Rating, Add	1,025.59	
40 05 19 00-1314 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,596.56	638.87
For Class 52 Rating, Deduct	-399.14	
For Class 54 Rating, Add	555.90	
For Class 55 Rating, Add	832.40	
For Class 56 Rating, Add	1,105.28	
40 05 19 00-1315 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,870.54	641.75
For Class 52 Rating, Deduct	-428.80	
For Class 54 Rating, Add	596.40	
For Class 55 Rating, Add	892.63	
For Class 56 Rating, Add	1,184.97	
40 05 19 00-1316 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,144.51	644.62
For Class 52 Rating, Deduct	-458.46	
For Class 54 Rating, Add	636.89	
For Class 55 Rating, Add	952.86	
For Class 56 Rating, Add	1,264.67	
40 05 19 00-1317 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,418.48	647.48
For Class 52 Rating, Deduct	-488.12	
For Class 54 Rating, Add	677.39	
For Class 55 Rating, Add	1,013.09	
For Class 56 Rating, Add	1,344.36	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,692.45	650.36
		<i>For Class 52 Rating, Deduct</i>		-517.78	
		<i>For Class 54 Rating, Add</i>		717.88	
		<i>For Class 55 Rating, Add</i>		1,073.32	
		<i>For Class 56 Rating, Add</i>		1,424.05	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,966.41	653.24
		<i>For Class 52 Rating, Deduct</i>		-547.43	
		<i>For Class 54 Rating, Add</i>		758.38	
		<i>For Class 55 Rating, Add</i>		1,133.55	
		<i>For Class 56 Rating, Add</i>		1,503.75	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,240.38	656.10
		<i>For Class 52 Rating, Deduct</i>		-577.09	
		<i>For Class 54 Rating, Add</i>		798.87	
		<i>For Class 55 Rating, Add</i>		1,193.78	
		<i>For Class 56 Rating, Add</i>		1,583.44	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,514.34	658.97
		<i>For Class 52 Rating, Deduct</i>		-606.75	
		<i>For Class 54 Rating, Add</i>		839.36	
		<i>For Class 55 Rating, Add</i>		1,254.01	
		<i>For Class 56 Rating, Add</i>		1,663.13	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,788.31	661.85
		<i>For Class 52 Rating, Deduct</i>		-636.41	
		<i>For Class 54 Rating, Add</i>		879.86	
		<i>For Class 55 Rating, Add</i>		1,314.24	
		<i>For Class 56 Rating, Add</i>		1,742.83	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,062.29	664.73
		<i>For Class 52 Rating, Deduct</i>		-666.06	
		<i>For Class 54 Rating, Add</i>		920.36	
		<i>For Class 55 Rating, Add</i>		1,374.47	
		<i>For Class 56 Rating, Add</i>		1,822.52	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,336.26	667.59
		<i>For Class 52 Rating, Deduct</i>		-695.72	
		<i>For Class 54 Rating, Add</i>		960.85	
		<i>For Class 55 Rating, Add</i>		1,434.69	
		<i>For Class 56 Rating, Add</i>		1,902.21	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,610.23	670.47
		<i>For Class 52 Rating, Deduct</i>		-725.38	
		<i>For Class 54 Rating, Add</i>		1,001.34	
		<i>For Class 55 Rating, Add</i>		1,494.92	
		<i>For Class 56 Rating, Add</i>		1,981.91	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		7,884.19	673.34
		<i>For Class 52 Rating, Deduct</i>		-755.04	
		<i>For Class 54 Rating, Add</i>		1,041.84	
		<i>For Class 55 Rating, Add</i>		1,555.15	
		<i>For Class 56 Rating, Add</i>		2,061.60	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,158.16	676.21
		<i>For Class 52 Rating, Deduct</i>		-784.69	
		<i>For Class 54 Rating, Add</i>		1,082.33	
		<i>For Class 55 Rating, Add</i>		1,615.38	
		<i>For Class 56 Rating, Add</i>		2,141.29	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,432.13	679.08
		<i>For Class 52 Rating, Deduct</i>		-814.35	
		<i>For Class 54 Rating, Add</i>		1,122.83	
		<i>For Class 55 Rating, Add</i>		1,675.61	
		<i>For Class 56 Rating, Add</i>		2,220.99	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,706.09	681.96
		<i>For Class 52 Rating, Deduct</i>		-844.01	
		<i>For Class 54 Rating, Add</i>		1,163.32	
		<i>For Class 55 Rating, Add</i>		1,735.84	
		<i>For Class 56 Rating, Add</i>		2,300.68	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		8,980.06	684.84
		<i>For Class 52 Rating, Deduct</i>		-873.67	
		<i>For Class 54 Rating, Add</i>		1,203.82	
		<i>For Class 55 Rating, Add</i>		1,796.07	
		<i>For Class 56 Rating, Add</i>		2,380.37	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		9,254.03	687.70
		<i>For Class 52 Rating, Deduct</i>		-903.33	
		<i>For Class 54 Rating, Add</i>		1,244.31	
		<i>For Class 55 Rating, Add</i>		1,856.29	
		<i>For Class 56 Rating, Add</i>		2,460.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,528.00	690.57
<i>For Class 52 Rating, Deduct</i>	-932.98	
<i>For Class 54 Rating, Add</i>	1,284.81	
<i>For Class 55 Rating, Add</i>	1,916.52	
<i>For Class 56 Rating, Add</i>	2,539.76	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,801.98	693.45
<i>For Class 52 Rating, Deduct</i>	-962.64	
<i>For Class 54 Rating, Add</i>	1,325.30	
<i>For Class 55 Rating, Add</i>	1,976.75	
<i>For Class 56 Rating, Add</i>	2,619.46	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,075.94	696.33
<i>For Class 52 Rating, Deduct</i>	-992.30	
<i>For Class 54 Rating, Add</i>	1,365.80	
<i>For Class 55 Rating, Add</i>	2,036.98	
<i>For Class 56 Rating, Add</i>	2,699.15	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,349.91	699.19
<i>For Class 52 Rating, Deduct</i>	-1,021.96	
<i>For Class 54 Rating, Add</i>	1,406.29	
<i>For Class 55 Rating, Add</i>	2,097.21	
<i>For Class 56 Rating, Add</i>	2,778.84	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,623.87	702.07
<i>For Class 52 Rating, Deduct</i>	-1,051.61	
<i>For Class 54 Rating, Add</i>	1,446.78	
<i>For Class 55 Rating, Add</i>	2,157.44	
<i>For Class 56 Rating, Add</i>	2,858.53	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,897.84	704.94
<i>For Class 52 Rating, Deduct</i>	-1,081.27	
<i>For Class 54 Rating, Add</i>	1,487.28	
<i>For Class 55 Rating, Add</i>	2,217.67	
<i>For Class 56 Rating, Add</i>	2,938.23	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,171.81	707.81
<i>For Class 52 Rating, Deduct</i>	-1,110.93	
<i>For Class 54 Rating, Add</i>	1,527.77	
<i>For Class 55 Rating, Add</i>	2,277.90	
<i>For Class 56 Rating, Add</i>	3,017.92	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,445.78	710.69
<i>For Class 52 Rating, Deduct</i>	-1,140.59	
<i>For Class 54 Rating, Add</i>	1,568.27	
<i>For Class 55 Rating, Add</i>	2,338.13	
<i>For Class 56 Rating, Add</i>	3,097.61	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,719.75	713.56
<i>For Class 52 Rating, Deduct</i>	-1,170.25	
<i>For Class 54 Rating, Add</i>	1,608.76	
<i>For Class 55 Rating, Add</i>	2,398.36	
<i>For Class 56 Rating, Add</i>	3,177.31	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,993.72	716.43
<i>For Class 52 Rating, Deduct</i>	-1,199.90	
<i>For Class 54 Rating, Add</i>	1,649.26	
<i>For Class 55 Rating, Add</i>	2,458.58	
<i>For Class 56 Rating, Add</i>	3,257.00	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,267.69	719.30
<i>For Class 52 Rating, Deduct</i>	-1,229.56	
<i>For Class 54 Rating, Add</i>	1,689.75	
<i>For Class 55 Rating, Add</i>	2,518.81	
<i>For Class 56 Rating, Add</i>	3,336.69	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,541.66	722.18
<i>For Class 52 Rating, Deduct</i>	-1,259.22	
<i>For Class 54 Rating, Add</i>	1,730.25	
<i>For Class 55 Rating, Add</i>	2,579.04	
<i>For Class 56 Rating, Add</i>	3,416.39	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,815.62	725.06
<i>For Class 52 Rating, Deduct</i>	-1,288.88	
<i>For Class 54 Rating, Add</i>	1,770.74	
<i>For Class 55 Rating, Add</i>	2,639.27	
<i>For Class 56 Rating, Add</i>	3,496.08	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,089.59	727.91
<i>For Class 52 Rating, Deduct</i>	-1,318.53	
<i>For Class 54 Rating, Add</i>	1,811.24	
<i>For Class 55 Rating, Add</i>	2,699.50	
<i>For Class 56 Rating, Add</i>	3,575.78	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,443.19	709.54
			<i>For Class 52 Rating, Deduct</i>	-260.49	
			<i>For Class 54 Rating, Add</i>	368.12	
			<i>For Class 55 Rating, Add</i>	553.89	
			<i>For Class 56 Rating, Add</i>	737.30	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,757.60	712.42
			<i>For Class 52 Rating, Deduct</i>	-294.60	
			<i>For Class 54 Rating, Add</i>	414.68	
			<i>For Class 55 Rating, Add</i>	623.14	
			<i>For Class 56 Rating, Add</i>	828.92	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,072.00	715.28
			<i>For Class 52 Rating, Deduct</i>	-328.71	
			<i>For Class 54 Rating, Add</i>	461.24	
			<i>For Class 55 Rating, Add</i>	692.39	
			<i>For Class 56 Rating, Add</i>	920.55	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,386.41	718.15
			<i>For Class 52 Rating, Deduct</i>	-362.81	
			<i>For Class 54 Rating, Add</i>	507.80	
			<i>For Class 55 Rating, Add</i>	761.64	
			<i>For Class 56 Rating, Add</i>	1,012.17	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,700.82	721.03
			<i>For Class 52 Rating, Deduct</i>	-396.92	
			<i>For Class 54 Rating, Add</i>	554.36	
			<i>For Class 55 Rating, Add</i>	830.88	
			<i>For Class 56 Rating, Add</i>	1,103.79	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,015.24	723.90
			<i>For Class 52 Rating, Deduct</i>	-431.03	
			<i>For Class 54 Rating, Add</i>	600.92	
			<i>For Class 55 Rating, Add</i>	900.13	
			<i>For Class 56 Rating, Add</i>	1,195.42	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,329.65	726.77
			<i>For Class 52 Rating, Deduct</i>	-465.13	
			<i>For Class 54 Rating, Add</i>	647.49	
			<i>For Class 55 Rating, Add</i>	969.38	
			<i>For Class 56 Rating, Add</i>	1,287.04	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,644.06	729.64
			<i>For Class 52 Rating, Deduct</i>	-499.24	
			<i>For Class 54 Rating, Add</i>	694.05	
			<i>For Class 55 Rating, Add</i>	1,038.63	
			<i>For Class 56 Rating, Add</i>	1,378.67	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,958.47	732.52
			<i>For Class 52 Rating, Deduct</i>	-533.34	
			<i>For Class 54 Rating, Add</i>	740.61	
			<i>For Class 55 Rating, Add</i>	1,107.87	
			<i>For Class 56 Rating, Add</i>	1,470.29	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,272.88	735.39
			<i>For Class 52 Rating, Deduct</i>	-567.45	
			<i>For Class 54 Rating, Add</i>	787.17	
			<i>For Class 55 Rating, Add</i>	1,177.12	
			<i>For Class 56 Rating, Add</i>	1,561.91	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,587.29	738.27
			<i>For Class 52 Rating, Deduct</i>	-601.56	
			<i>For Class 54 Rating, Add</i>	833.73	
			<i>For Class 55 Rating, Add</i>	1,246.37	
			<i>For Class 56 Rating, Add</i>	1,653.54	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,901.70	741.13
			<i>For Class 52 Rating, Deduct</i>	-635.66	
			<i>For Class 54 Rating, Add</i>	880.29	
			<i>For Class 55 Rating, Add</i>	1,315.62	
			<i>For Class 56 Rating, Add</i>	1,745.16	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,216.11	744.00
			<i>For Class 52 Rating, Deduct</i>	-669.77	
			<i>For Class 54 Rating, Add</i>	926.85	
			<i>For Class 55 Rating, Add</i>	1,384.86	
			<i>For Class 56 Rating, Add</i>	1,836.79	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,530.53	746.88
			<i>For Class 52 Rating, Deduct</i>	-703.88	
			<i>For Class 54 Rating, Add</i>	973.41	
			<i>For Class 55 Rating, Add</i>	1,454.11	
			<i>For Class 56 Rating, Add</i>	1,928.41	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361 EA 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,844.93	749.76
<i>For Class 52 Rating, Deduct</i>	-737.98	
<i>For Class 54 Rating, Add</i>	1,019.97	
<i>For Class 55 Rating, Add</i>	1,523.36	
<i>For Class 56 Rating, Add</i>	2,020.03	
40 05 19 00-1362 EA 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,159.34	752.64
<i>For Class 52 Rating, Deduct</i>	-772.09	
<i>For Class 54 Rating, Add</i>	1,066.53	
<i>For Class 55 Rating, Add</i>	1,592.61	
<i>For Class 56 Rating, Add</i>	2,111.66	
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,473.76	755.49
<i>For Class 52 Rating, Deduct</i>	-806.20	
<i>For Class 54 Rating, Add</i>	1,113.10	
<i>For Class 55 Rating, Add</i>	1,661.85	
<i>For Class 56 Rating, Add</i>	2,203.28	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,788.17	758.37
<i>For Class 52 Rating, Deduct</i>	-840.30	
<i>For Class 54 Rating, Add</i>	1,159.66	
<i>For Class 55 Rating, Add</i>	1,731.10	
<i>For Class 56 Rating, Add</i>	2,294.91	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,102.58	761.25
<i>For Class 52 Rating, Deduct</i>	-874.41	
<i>For Class 54 Rating, Add</i>	1,206.22	
<i>For Class 55 Rating, Add</i>	1,800.35	
<i>For Class 56 Rating, Add</i>	2,386.53	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,416.99	764.13
<i>For Class 52 Rating, Deduct</i>	-908.52	
<i>For Class 54 Rating, Add</i>	1,252.78	
<i>For Class 55 Rating, Add</i>	1,869.60	
<i>For Class 56 Rating, Add</i>	2,478.15	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,731.40	766.98
<i>For Class 52 Rating, Deduct</i>	-942.62	
<i>For Class 54 Rating, Add</i>	1,299.34	
<i>For Class 55 Rating, Add</i>	1,938.84	
<i>For Class 56 Rating, Add</i>	2,569.78	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,045.80	769.86
<i>For Class 52 Rating, Deduct</i>	-976.73	
<i>For Class 54 Rating, Add</i>	1,345.90	
<i>For Class 55 Rating, Add</i>	2,008.09	
<i>For Class 56 Rating, Add</i>	2,661.40	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,360.22	772.74
<i>For Class 52 Rating, Deduct</i>	-1,010.84	
<i>For Class 54 Rating, Add</i>	1,392.46	
<i>For Class 55 Rating, Add</i>	2,077.34	
<i>For Class 56 Rating, Add</i>	2,753.03	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,674.63	775.60
<i>For Class 52 Rating, Deduct</i>	-1,044.94	
<i>For Class 54 Rating, Add</i>	1,439.02	
<i>For Class 55 Rating, Add</i>	2,146.59	
<i>For Class 56 Rating, Add</i>	2,844.65	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,989.05	778.48
<i>For Class 52 Rating, Deduct</i>	-1,079.05	
<i>For Class 54 Rating, Add</i>	1,485.58	
<i>For Class 55 Rating, Add</i>	2,215.83	
<i>For Class 56 Rating, Add</i>	2,936.27	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,303.46	781.35
<i>For Class 52 Rating, Deduct</i>	-1,113.15	
<i>For Class 54 Rating, Add</i>	1,532.14	
<i>For Class 55 Rating, Add</i>	2,285.08	
<i>For Class 56 Rating, Add</i>	3,027.90	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,617.87	784.23
<i>For Class 52 Rating, Deduct</i>	-1,147.26	
<i>For Class 54 Rating, Add</i>	1,578.71	
<i>For Class 55 Rating, Add</i>	2,354.33	
<i>For Class 56 Rating, Add</i>	3,119.52	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,932.27	787.10
<i>For Class 52 Rating, Deduct</i>	-1,181.37	
<i>For Class 54 Rating, Add</i>	1,625.27	
<i>For Class 55 Rating, Add</i>	2,423.57	
<i>For Class 56 Rating, Add</i>	3,211.14	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,246.68	789.97
			<i>For Class 52 Rating, Deduct</i>	-1,215.47	
			<i>For Class 54 Rating, Add</i>	1,671.83	
			<i>For Class 55 Rating, Add</i>	2,492.82	
			<i>For Class 56 Rating, Add</i>	3,302.77	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,561.09	792.84
			<i>For Class 52 Rating, Deduct</i>	-1,249.58	
			<i>For Class 54 Rating, Add</i>	1,718.39	
			<i>For Class 55 Rating, Add</i>	2,562.07	
			<i>For Class 56 Rating, Add</i>	3,394.39	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,875.51	795.71
			<i>For Class 52 Rating, Deduct</i>	-1,283.69	
			<i>For Class 54 Rating, Add</i>	1,764.95	
			<i>For Class 55 Rating, Add</i>	2,631.32	
			<i>For Class 56 Rating, Add</i>	3,486.02	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,189.92	798.59
			<i>For Class 52 Rating, Deduct</i>	-1,317.79	
			<i>For Class 54 Rating, Add</i>	1,811.51	
			<i>For Class 55 Rating, Add</i>	2,700.57	
			<i>For Class 56 Rating, Add</i>	3,577.64	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,504.34	801.46
			<i>For Class 52 Rating, Deduct</i>	-1,351.90	
			<i>For Class 54 Rating, Add</i>	1,858.07	
			<i>For Class 55 Rating, Add</i>	2,769.81	
			<i>For Class 56 Rating, Add</i>	3,669.27	
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,818.74	804.34
			<i>For Class 52 Rating, Deduct</i>	-1,386.01	
			<i>For Class 54 Rating, Add</i>	1,904.63	
			<i>For Class 55 Rating, Add</i>	2,839.06	
			<i>For Class 56 Rating, Add</i>	3,760.89	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,133.15	807.20
			<i>For Class 52 Rating, Deduct</i>	-1,420.11	
			<i>For Class 54 Rating, Add</i>	1,951.19	
			<i>For Class 55 Rating, Add</i>	2,908.31	
			<i>For Class 56 Rating, Add</i>	3,852.51	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,447.56	810.08
			<i>For Class 52 Rating, Deduct</i>	-1,454.22	
			<i>For Class 54 Rating, Add</i>	1,997.75	
			<i>For Class 55 Rating, Add</i>	2,977.56	
			<i>For Class 56 Rating, Add</i>	3,944.14	
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,761.97	812.95
			<i>For Class 52 Rating, Deduct</i>	-1,488.33	
			<i>For Class 54 Rating, Add</i>	2,044.32	
			<i>For Class 55 Rating, Add</i>	3,046.80	
			<i>For Class 56 Rating, Add</i>	4,035.76	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,076.38	815.82
			<i>For Class 52 Rating, Deduct</i>	-1,522.43	
			<i>For Class 54 Rating, Add</i>	2,090.88	
			<i>For Class 55 Rating, Add</i>	3,116.05	
			<i>For Class 56 Rating, Add</i>	4,127.38	
40 05 19 00-1385			24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,227.70	838.80
			<i>For Class 52 Rating, Deduct</i>	-325.25	
			<i>For Class 54 Rating, Add</i>	458.77	
			<i>For Class 55 Rating, Add</i>	689.87	
			<i>For Class 56 Rating, Add</i>	918.01	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,616.25	841.68
			<i>For Class 52 Rating, Deduct</i>	-367.51	
			<i>For Class 54 Rating, Add</i>	516.45	
			<i>For Class 55 Rating, Add</i>	775.65	
			<i>For Class 56 Rating, Add</i>	1,031.50	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,004.82	844.56
			<i>For Class 52 Rating, Deduct</i>	-409.77	
			<i>For Class 54 Rating, Add</i>	574.13	
			<i>For Class 55 Rating, Add</i>	861.43	
			<i>For Class 56 Rating, Add</i>	1,145.00	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389 EA 24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,393.38	847.41
For Class 52 Rating, Deduct	-452.03	
For Class 54 Rating, Add	631.82	
For Class 55 Rating, Add	947.21	
For Class 56 Rating, Add	1,258.50	
40 05 19 00-1390 EA 24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	5,781.93	850.29
For Class 52 Rating, Deduct	-494.30	
For Class 54 Rating, Add	689.50	
For Class 55 Rating, Add	1,032.99	
For Class 56 Rating, Add	1,371.99	
40 05 19 00-1391 EA 24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,170.48	853.17
For Class 52 Rating, Deduct	-536.56	
For Class 54 Rating, Add	747.18	
For Class 55 Rating, Add	1,118.77	
For Class 56 Rating, Add	1,485.49	
40 05 19 00-1392 EA 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,559.04	856.05
For Class 52 Rating, Deduct	-578.82	
For Class 54 Rating, Add	804.87	
For Class 55 Rating, Add	1,204.56	
For Class 56 Rating, Add	1,598.99	
40 05 19 00-1393 EA 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	6,947.59	858.90
For Class 52 Rating, Deduct	-621.08	
For Class 54 Rating, Add	862.55	
For Class 55 Rating, Add	1,290.34	
For Class 56 Rating, Add	1,712.48	
40 05 19 00-1394 EA 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,336.14	861.78
For Class 52 Rating, Deduct	-663.35	
For Class 54 Rating, Add	920.23	
For Class 55 Rating, Add	1,376.12	
For Class 56 Rating, Add	1,825.98	
40 05 19 00-1395 EA 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	7,724.69	864.66
For Class 52 Rating, Deduct	-705.61	
For Class 54 Rating, Add	977.91	
For Class 55 Rating, Add	1,461.90	
For Class 56 Rating, Add	1,939.47	
40 05 19 00-1396 EA 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,113.26	867.53
For Class 52 Rating, Deduct	-747.87	
For Class 54 Rating, Add	1,035.60	
For Class 55 Rating, Add	1,547.68	
For Class 56 Rating, Add	2,052.97	
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,501.82	870.41
For Class 52 Rating, Deduct	-790.13	
For Class 54 Rating, Add	1,093.28	
For Class 55 Rating, Add	1,633.46	
For Class 56 Rating, Add	2,166.47	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	8,890.37	873.27
For Class 52 Rating, Deduct	-832.39	
For Class 54 Rating, Add	1,150.96	
For Class 55 Rating, Add	1,719.25	
For Class 56 Rating, Add	2,279.96	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,278.93	876.15
For Class 52 Rating, Deduct	-874.66	
For Class 54 Rating, Add	1,208.64	
For Class 55 Rating, Add	1,805.03	
For Class 56 Rating, Add	2,393.46	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	9,667.48	879.02
For Class 52 Rating, Deduct	-916.92	
For Class 54 Rating, Add	1,266.33	
For Class 55 Rating, Add	1,890.81	
For Class 56 Rating, Add	2,506.96	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,056.03	881.90
For Class 52 Rating, Deduct	-959.18	
For Class 54 Rating, Add	1,324.01	
For Class 55 Rating, Add	1,976.59	
For Class 56 Rating, Add	2,620.45	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
Pipe	10,444.58	884.77
For Class 52 Rating, Deduct	-1,001.44	
For Class 54 Rating, Add	1,381.69	
For Class 55 Rating, Add	2,062.37	
For Class 56 Rating, Add	2,733.95	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		10,833.14	887.63
		<i>For Class 52 Rating, Deduct</i>		-1,043.71	
		<i>For Class 54 Rating, Add</i>		1,439.37	
		<i>For Class 55 Rating, Add</i>		2,148.16	
		<i>For Class 56 Rating, Add</i>		2,847.45	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,221.70	890.51
		<i>For Class 52 Rating, Deduct</i>		-1,085.97	
		<i>For Class 54 Rating, Add</i>		1,497.06	
		<i>For Class 55 Rating, Add</i>		2,233.94	
		<i>For Class 56 Rating, Add</i>		2,960.94	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,610.26	893.39
		<i>For Class 52 Rating, Deduct</i>		-1,128.23	
		<i>For Class 54 Rating, Add</i>		1,554.74	
		<i>For Class 55 Rating, Add</i>		2,319.72	
		<i>For Class 56 Rating, Add</i>		3,074.44	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		11,998.81	896.26
		<i>For Class 52 Rating, Deduct</i>		-1,170.49	
		<i>For Class 54 Rating, Add</i>		1,612.42	
		<i>For Class 55 Rating, Add</i>		2,405.50	
		<i>For Class 56 Rating, Add</i>		3,187.93	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		12,387.37	899.12
		<i>For Class 52 Rating, Deduct</i>		-1,212.76	
		<i>For Class 54 Rating, Add</i>		1,670.11	
		<i>For Class 55 Rating, Add</i>		2,491.28	
		<i>For Class 56 Rating, Add</i>		3,301.43	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		12,775.92	902.00
		<i>For Class 52 Rating, Deduct</i>		-1,255.02	
		<i>For Class 54 Rating, Add</i>		1,727.79	
		<i>For Class 55 Rating, Add</i>		2,577.06	
		<i>For Class 56 Rating, Add</i>		3,414.93	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,164.47	904.88
		<i>For Class 52 Rating, Deduct</i>		-1,297.28	
		<i>For Class 54 Rating, Add</i>		1,785.47	
		<i>For Class 55 Rating, Add</i>		2,662.84	
		<i>For Class 56 Rating, Add</i>		3,528.42	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,553.03	907.75
		<i>For Class 52 Rating, Deduct</i>		-1,339.54	
		<i>For Class 54 Rating, Add</i>		1,843.15	
		<i>For Class 55 Rating, Add</i>		2,748.63	
		<i>For Class 56 Rating, Add</i>		3,641.92	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		13,941.58	910.62
		<i>For Class 52 Rating, Deduct</i>		-1,381.80	
		<i>For Class 54 Rating, Add</i>		1,900.84	
		<i>For Class 55 Rating, Add</i>		2,834.41	
		<i>For Class 56 Rating, Add</i>		3,755.42	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		14,330.14	913.49
		<i>For Class 52 Rating, Deduct</i>		-1,424.07	
		<i>For Class 54 Rating, Add</i>		1,958.52	
		<i>For Class 55 Rating, Add</i>		2,920.19	
		<i>For Class 56 Rating, Add</i>		3,868.91	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		14,718.69	916.37
		<i>For Class 52 Rating, Deduct</i>		-1,466.33	
		<i>For Class 54 Rating, Add</i>		2,016.20	
		<i>For Class 55 Rating, Add</i>		3,005.97	
		<i>For Class 56 Rating, Add</i>		3,982.41	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,107.26	919.23
		<i>For Class 52 Rating, Deduct</i>		-1,508.59	
		<i>For Class 54 Rating, Add</i>		2,073.88	
		<i>For Class 55 Rating, Add</i>		3,091.75	
		<i>For Class 56 Rating, Add</i>		4,095.91	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,569.80	970.94
		<i>For Class 52 Rating, Deduct</i>		-1,550.85	
		<i>For Class 54 Rating, Add</i>		2,132.45	
		<i>For Class 55 Rating, Add</i>		3,179.31	
		<i>For Class 56 Rating, Add</i>		4,212.07	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		15,958.35	973.82
		<i>For Class 52 Rating, Deduct</i>		-1,593.12	
		<i>For Class 54 Rating, Add</i>		2,190.14	
		<i>For Class 55 Rating, Add</i>		3,265.09	
		<i>For Class 56 Rating, Add</i>		4,325.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417 EA 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,346.91	976.70
For Class 52 Rating, Deduct	-1,635.38	
For Class 54 Rating, Add	2,247.82	
For Class 55 Rating, Add	3,350.87	
For Class 56 Rating, Add	4,439.06	
40 05 19 00-1418 EA 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,735.47	979.56
For Class 52 Rating, Deduct	-1,677.64	
For Class 54 Rating, Add	2,305.50	
For Class 55 Rating, Add	3,436.66	
For Class 56 Rating, Add	4,552.56	
40 05 19 00-1419 EA 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,124.02	982.43
For Class 52 Rating, Deduct	-1,719.90	
For Class 54 Rating, Add	2,363.18	
For Class 55 Rating, Add	3,522.44	
For Class 56 Rating, Add	4,666.05	
40 05 19 00-1420 EA 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,512.57	985.31
For Class 52 Rating, Deduct	-1,762.16	
For Class 54 Rating, Add	2,420.87	
For Class 55 Rating, Add	3,608.22	
For Class 56 Rating, Add	4,779.55	
40 05 19 00-1421 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,901.13	988.19
For Class 52 Rating, Deduct	-1,804.43	
For Class 54 Rating, Add	2,478.55	
For Class 55 Rating, Add	3,694.00	
For Class 56 Rating, Add	4,893.05	
40 05 19 00-1422 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,289.69	991.05
For Class 52 Rating, Deduct	-1,846.69	
For Class 54 Rating, Add	2,536.23	
For Class 55 Rating, Add	3,779.78	
For Class 56 Rating, Add	5,006.54	
40 05 19 00-1423 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,678.24	993.92
For Class 52 Rating, Deduct	-1,888.95	
For Class 54 Rating, Add	2,593.91	
For Class 55 Rating, Add	3,865.56	
For Class 56 Rating, Add	5,120.04	
40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,466.55	1,183.52
For Class 52 Rating, Deduct	-514.07	
For Class 54 Rating, Add	722.52	
For Class 55 Rating, Add	1,085.19	
For Class 56 Rating, Add	1,443.19	
40 05 19 00-1426 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,025.87	1,186.39
For Class 52 Rating, Deduct	-575.11	
For Class 54 Rating, Add	805.82	
For Class 55 Rating, Add	1,209.05	
For Class 56 Rating, Add	1,607.06	
40 05 19 00-1427 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,585.18	1,189.27
For Class 52 Rating, Deduct	-636.16	
For Class 54 Rating, Add	889.11	
For Class 55 Rating, Add	1,332.91	
For Class 56 Rating, Add	1,770.93	
40 05 19 00-1428 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,144.49	1,192.13
For Class 52 Rating, Deduct	-697.20	
For Class 54 Rating, Add	972.41	
For Class 55 Rating, Add	1,456.77	
For Class 56 Rating, Add	1,934.80	
40 05 19 00-1429 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,703.80	1,195.01
For Class 52 Rating, Deduct	-758.25	
For Class 54 Rating, Add	1,055.70	
For Class 55 Rating, Add	1,580.63	
For Class 56 Rating, Add	2,098.67	
40 05 19 00-1430 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,263.11	1,197.88
For Class 52 Rating, Deduct	-819.30	
For Class 54 Rating, Add	1,139.00	
For Class 55 Rating, Add	1,704.49	
For Class 56 Rating, Add	2,262.54	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,822.42		1,200.76
		<i>For Class 52 Rating, Deduct</i>	-880.34		
		<i>For Class 54 Rating, Add</i>	1,222.30		
		<i>For Class 55 Rating, Add</i>	1,828.35		
		<i>For Class 56 Rating, Add</i>	2,426.41		
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,381.73		1,203.63
		<i>For Class 52 Rating, Deduct</i>	-941.39		
		<i>For Class 54 Rating, Add</i>	1,305.59		
		<i>For Class 55 Rating, Add</i>	1,952.22		
		<i>For Class 56 Rating, Add</i>	2,590.28		
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,941.05		1,206.49
		<i>For Class 52 Rating, Deduct</i>	-1,002.43		
		<i>For Class 54 Rating, Add</i>	1,388.89		
		<i>For Class 55 Rating, Add</i>	2,076.08		
		<i>For Class 56 Rating, Add</i>	2,754.15		
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,500.36		1,209.37
		<i>For Class 52 Rating, Deduct</i>	-1,063.48		
		<i>For Class 54 Rating, Add</i>	1,472.19		
		<i>For Class 55 Rating, Add</i>	2,199.94		
		<i>For Class 56 Rating, Add</i>	2,918.02		
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,059.68		1,212.25
		<i>For Class 52 Rating, Deduct</i>	-1,124.52		
		<i>For Class 54 Rating, Add</i>	1,555.48		
		<i>For Class 55 Rating, Add</i>	2,323.80		
		<i>For Class 56 Rating, Add</i>	3,081.89		
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,618.99		1,215.12
		<i>For Class 52 Rating, Deduct</i>	-1,185.57		
		<i>For Class 54 Rating, Add</i>	1,638.78		
		<i>For Class 55 Rating, Add</i>	2,447.66		
		<i>For Class 56 Rating, Add</i>	3,245.76		
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,178.30		1,217.98
		<i>For Class 52 Rating, Deduct</i>	-1,246.61		
		<i>For Class 54 Rating, Add</i>	1,722.07		
		<i>For Class 55 Rating, Add</i>	2,571.52		
		<i>For Class 56 Rating, Add</i>	3,409.63		
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,737.61		1,220.86
		<i>For Class 52 Rating, Deduct</i>	-1,307.66		
		<i>For Class 54 Rating, Add</i>	1,805.37		
		<i>For Class 55 Rating, Add</i>	2,695.38		
		<i>For Class 56 Rating, Add</i>	3,573.50		
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,296.92		1,223.74
		<i>For Class 52 Rating, Deduct</i>	-1,368.71		
		<i>For Class 54 Rating, Add</i>	1,888.67		
		<i>For Class 55 Rating, Add</i>	2,819.24		
		<i>For Class 56 Rating, Add</i>	3,737.37		
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,856.24		1,226.60
		<i>For Class 52 Rating, Deduct</i>	-1,429.75		
		<i>For Class 54 Rating, Add</i>	1,971.96		
		<i>For Class 55 Rating, Add</i>	2,943.10		
		<i>For Class 56 Rating, Add</i>	3,901.24		
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,415.55		1,229.48
		<i>For Class 52 Rating, Deduct</i>	-1,490.80		
		<i>For Class 54 Rating, Add</i>	2,055.26		
		<i>For Class 55 Rating, Add</i>	3,066.96		
		<i>For Class 56 Rating, Add</i>	4,065.11		
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,974.86		1,232.35
		<i>For Class 52 Rating, Deduct</i>	-1,551.84		
		<i>For Class 54 Rating, Add</i>	2,138.56		
		<i>For Class 55 Rating, Add</i>	3,190.82		
		<i>For Class 56 Rating, Add</i>	4,228.98		
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,534.17		1,235.23
		<i>For Class 52 Rating, Deduct</i>	-1,612.89		
		<i>For Class 54 Rating, Add</i>	2,221.85		
		<i>For Class 55 Rating, Add</i>	3,314.68		
		<i>For Class 56 Rating, Add</i>	4,392.85		
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,093.49		1,238.09
		<i>For Class 52 Rating, Deduct</i>	-1,673.93		
		<i>For Class 54 Rating, Add</i>	2,305.15		
		<i>For Class 55 Rating, Add</i>	3,438.54		
		<i>For Class 56 Rating, Add</i>	4,556.72		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,652.80	1,240.97
<i>For Class 52 Rating, Deduct</i>	-1,734.98	
<i>For Class 54 Rating, Add</i>	2,388.44	
<i>For Class 55 Rating, Add</i>	3,562.40	
<i>For Class 56 Rating, Add</i>	4,720.59	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,212.11	1,243.85
<i>For Class 52 Rating, Deduct</i>	-1,796.03	
<i>For Class 54 Rating, Add</i>	2,471.74	
<i>For Class 55 Rating, Add</i>	3,686.26	
<i>For Class 56 Rating, Add</i>	4,884.46	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,771.42	1,246.71
<i>For Class 52 Rating, Deduct</i>	-1,857.07	
<i>For Class 54 Rating, Add</i>	2,555.04	
<i>For Class 55 Rating, Add</i>	3,810.12	
<i>For Class 56 Rating, Add</i>	5,048.33	
40 05 19 00-1448 EA 30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,330.73	1,249.58
<i>For Class 52 Rating, Deduct</i>	-1,918.12	
<i>For Class 54 Rating, Add</i>	2,638.33	
<i>For Class 55 Rating, Add</i>	3,933.98	
<i>For Class 56 Rating, Add</i>	5,212.20	
40 05 19 00-1449 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,890.04	1,252.46
<i>For Class 52 Rating, Deduct</i>	-1,979.16	
<i>For Class 54 Rating, Add</i>	2,721.63	
<i>For Class 55 Rating, Add</i>	4,057.84	
<i>For Class 56 Rating, Add</i>	5,376.07	
40 05 19 00-1450 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,449.35	1,255.34
<i>For Class 52 Rating, Deduct</i>	-2,040.21	
<i>For Class 54 Rating, Add</i>	2,804.92	
<i>For Class 55 Rating, Add</i>	4,181.70	
<i>For Class 56 Rating, Add</i>	5,539.94	
40 05 19 00-1451 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,008.66	1,258.20
<i>For Class 52 Rating, Deduct</i>	-2,101.25	
<i>For Class 54 Rating, Add</i>	2,888.22	
<i>For Class 55 Rating, Add</i>	4,305.56	
<i>For Class 56 Rating, Add</i>	5,703.80	
40 05 19 00-1452 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,567.98	1,261.08
<i>For Class 52 Rating, Deduct</i>	-2,162.30	
<i>For Class 54 Rating, Add</i>	2,971.52	
<i>For Class 55 Rating, Add</i>	4,429.42	
<i>For Class 56 Rating, Add</i>	5,867.68	
40 05 19 00-1453 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,127.29	1,263.95
<i>For Class 52 Rating, Deduct</i>	-2,223.34	
<i>For Class 54 Rating, Add</i>	3,054.81	
<i>For Class 55 Rating, Add</i>	4,553.28	
<i>For Class 56 Rating, Add</i>	6,031.54	
40 05 19 00-1454 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,686.60	1,266.83
<i>For Class 52 Rating, Deduct</i>	-2,284.39	
<i>For Class 54 Rating, Add</i>	3,138.11	
<i>For Class 55 Rating, Add</i>	4,677.15	
<i>For Class 56 Rating, Add</i>	6,195.41	
40 05 19 00-1455 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,245.91	1,269.70
<i>For Class 52 Rating, Deduct</i>	-2,345.43	
<i>For Class 54 Rating, Add</i>	3,221.40	
<i>For Class 55 Rating, Add</i>	4,801.01	
<i>For Class 56 Rating, Add</i>	6,359.28	
40 05 19 00-1456 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,805.23	1,272.57
<i>For Class 52 Rating, Deduct</i>	-2,406.48	
<i>For Class 54 Rating, Add</i>	3,304.70	
<i>For Class 55 Rating, Add</i>	4,924.87	
<i>For Class 56 Rating, Add</i>	6,523.15	
40 05 19 00-1457 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,364.54	1,275.44
<i>For Class 52 Rating, Deduct</i>	-2,467.53	
<i>For Class 54 Rating, Add</i>	3,388.00	
<i>For Class 55 Rating, Add</i>	5,048.73	
<i>For Class 56 Rating, Add</i>	6,687.02	
40 05 19 00-1458 EA 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,923.85	1,278.31
<i>For Class 52 Rating, Deduct</i>	-2,528.57	
<i>For Class 54 Rating, Add</i>	3,471.29	
<i>For Class 55 Rating, Add</i>	5,172.59	
<i>For Class 56 Rating, Add</i>	6,850.89	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,483.16	1,281.19
			<i>For Class 52 Rating, Deduct</i>	-2,589.62	
			<i>For Class 54 Rating, Add</i>	3,554.59	
			<i>For Class 55 Rating, Add</i>	5,296.45	
			<i>For Class 56 Rating, Add</i>	7,014.76	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,042.47	1,284.07
			<i>For Class 52 Rating, Deduct</i>	-2,650.66	
			<i>For Class 54 Rating, Add</i>	3,637.89	
			<i>For Class 55 Rating, Add</i>	5,420.31	
			<i>For Class 56 Rating, Add</i>	7,178.63	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,601.79	1,286.93
			<i>For Class 52 Rating, Deduct</i>	-2,711.71	
			<i>For Class 54 Rating, Add</i>	3,721.18	
			<i>For Class 55 Rating, Add</i>	5,544.17	
			<i>For Class 56 Rating, Add</i>	7,342.50	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,161.10	1,289.80
			<i>For Class 52 Rating, Deduct</i>	-2,772.75	
			<i>For Class 54 Rating, Add</i>	3,804.48	
			<i>For Class 55 Rating, Add</i>	5,668.03	
			<i>For Class 56 Rating, Add</i>	7,506.37	
40 05 19 00-1463			36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,927.00	1,499.50
			<i>For Class 52 Rating, Deduct</i>	-732.05	
			<i>For Class 54 Rating, Add</i>	1,025.52	
			<i>For Class 55 Rating, Add</i>	1,538.60	
			<i>For Class 56 Rating, Add</i>	2,045.02	
40 05 19 00-1465	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,686.28	1,502.38
			<i>For Class 52 Rating, Deduct</i>	-815.09	
			<i>For Class 54 Rating, Add</i>	1,138.81	
			<i>For Class 55 Rating, Add</i>	1,707.05	
			<i>For Class 56 Rating, Add</i>	2,267.88	
40 05 19 00-1466	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,445.56	1,505.25
			<i>For Class 52 Rating, Deduct</i>	-898.14	
			<i>For Class 54 Rating, Add</i>	1,252.10	
			<i>For Class 55 Rating, Add</i>	1,875.50	
			<i>For Class 56 Rating, Add</i>	2,490.74	
40 05 19 00-1467	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,204.84	1,508.13
			<i>For Class 52 Rating, Deduct</i>	-981.18	
			<i>For Class 54 Rating, Add</i>	1,365.39	
			<i>For Class 55 Rating, Add</i>	2,043.96	
			<i>For Class 56 Rating, Add</i>	2,713.60	
40 05 19 00-1468	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,964.11	1,511.00
			<i>For Class 52 Rating, Deduct</i>	-1,064.22	
			<i>For Class 54 Rating, Add</i>	1,478.68	
			<i>For Class 55 Rating, Add</i>	2,212.41	
			<i>For Class 56 Rating, Add</i>	2,936.46	
40 05 19 00-1469	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,723.39	1,513.86
			<i>For Class 52 Rating, Deduct</i>	-1,147.26	
			<i>For Class 54 Rating, Add</i>	1,591.97	
			<i>For Class 55 Rating, Add</i>	2,380.86	
			<i>For Class 56 Rating, Add</i>	3,159.32	
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,482.66	1,516.74
			<i>For Class 52 Rating, Deduct</i>	-1,230.30	
			<i>For Class 54 Rating, Add</i>	1,705.26	
			<i>For Class 55 Rating, Add</i>	2,549.31	
			<i>For Class 56 Rating, Add</i>	3,382.18	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,241.95	1,519.62
			<i>For Class 52 Rating, Deduct</i>	-1,313.35	
			<i>For Class 54 Rating, Add</i>	1,818.55	
			<i>For Class 55 Rating, Add</i>	2,717.77	
			<i>For Class 56 Rating, Add</i>	3,605.04	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,001.22	1,522.50
			<i>For Class 52 Rating, Deduct</i>	-1,396.39	
			<i>For Class 54 Rating, Add</i>	1,931.84	
			<i>For Class 55 Rating, Add</i>	2,886.22	
			<i>For Class 56 Rating, Add</i>	3,827.90	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,760.49	1,525.35
<i>For Class 52 Rating, Deduct</i>	-1,479.43	
<i>For Class 54 Rating, Add</i>	2,045.13	
<i>For Class 55 Rating, Add</i>	3,054.67	
<i>For Class 56 Rating, Add</i>	4,050.76	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,519.77	1,528.23
<i>For Class 52 Rating, Deduct</i>	-1,562.47	
<i>For Class 54 Rating, Add</i>	2,158.43	
<i>For Class 55 Rating, Add</i>	3,223.12	
<i>For Class 56 Rating, Add</i>	4,273.62	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,279.05	1,531.11
<i>For Class 52 Rating, Deduct</i>	-1,645.51	
<i>For Class 54 Rating, Add</i>	2,271.72	
<i>For Class 55 Rating, Add</i>	3,391.58	
<i>For Class 56 Rating, Add</i>	4,496.48	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,038.33	1,533.97
<i>For Class 52 Rating, Deduct</i>	-1,728.55	
<i>For Class 54 Rating, Add</i>	2,385.01	
<i>For Class 55 Rating, Add</i>	3,560.03	
<i>For Class 56 Rating, Add</i>	4,719.34	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,797.60	1,536.85
<i>For Class 52 Rating, Deduct</i>	-1,811.59	
<i>For Class 54 Rating, Add</i>	2,498.30	
<i>For Class 55 Rating, Add</i>	3,728.48	
<i>For Class 56 Rating, Add</i>	4,942.19	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,556.88	1,539.72
<i>For Class 52 Rating, Deduct</i>	-1,894.64	
<i>For Class 54 Rating, Add</i>	2,611.59	
<i>For Class 55 Rating, Add</i>	3,896.94	
<i>For Class 56 Rating, Add</i>	5,165.06	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,316.16	1,542.60
<i>For Class 52 Rating, Deduct</i>	-1,977.68	
<i>For Class 54 Rating, Add</i>	2,724.88	
<i>For Class 55 Rating, Add</i>	4,065.39	
<i>For Class 56 Rating, Add</i>	5,387.91	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,075.44	1,545.46
<i>For Class 52 Rating, Deduct</i>	-2,060.72	
<i>For Class 54 Rating, Add</i>	2,838.17	
<i>For Class 55 Rating, Add</i>	4,233.84	
<i>For Class 56 Rating, Add</i>	5,610.78	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,834.71	1,548.34
<i>For Class 52 Rating, Deduct</i>	-2,143.76	
<i>For Class 54 Rating, Add</i>	2,951.46	
<i>For Class 55 Rating, Add</i>	4,402.29	
<i>For Class 56 Rating, Add</i>	5,833.63	
40 05 19 00-1482 EA 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,593.99	1,551.22
<i>For Class 52 Rating, Deduct</i>	-2,226.80	
<i>For Class 54 Rating, Add</i>	3,064.75	
<i>For Class 55 Rating, Add</i>	4,570.75	
<i>For Class 56 Rating, Add</i>	6,056.49	
40 05 19 00-1483 EA 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,353.27	1,554.09
<i>For Class 52 Rating, Deduct</i>	-2,309.84	
<i>For Class 54 Rating, Add</i>	3,178.04	
<i>For Class 55 Rating, Add</i>	4,739.20	
<i>For Class 56 Rating, Add</i>	6,279.35	
40 05 19 00-1484 EA 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,112.55	1,556.96
<i>For Class 52 Rating, Deduct</i>	-2,392.89	
<i>For Class 54 Rating, Add</i>	3,291.34	
<i>For Class 55 Rating, Add</i>	4,907.65	
<i>For Class 56 Rating, Add</i>	6,502.21	
40 05 19 00-1485 EA 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,871.82	1,559.83
<i>For Class 52 Rating, Deduct</i>	-2,475.93	
<i>For Class 54 Rating, Add</i>	3,404.63	
<i>For Class 55 Rating, Add</i>	5,076.10	
<i>For Class 56 Rating, Add</i>	6,725.07	
40 05 19 00-1486 EA 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,631.10	1,562.71
<i>For Class 52 Rating, Deduct</i>	-2,558.97	
<i>For Class 54 Rating, Add</i>	3,517.92	
<i>For Class 55 Rating, Add</i>	5,244.56	
<i>For Class 56 Rating, Add</i>	6,947.93	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,390.38	1,565.57
			<i>For Class 52 Rating, Deduct</i>	-2,642.01	
			<i>For Class 54 Rating, Add</i>	3,631.21	
			<i>For Class 55 Rating, Add</i>	5,413.01	
			<i>For Class 56 Rating, Add</i>	7,170.79	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,149.66	1,568.45
			<i>For Class 52 Rating, Deduct</i>	-2,725.05	
			<i>For Class 54 Rating, Add</i>	3,744.50	
			<i>For Class 55 Rating, Add</i>	5,581.46	
			<i>For Class 56 Rating, Add</i>	7,393.65	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,908.93	1,571.32
			<i>For Class 52 Rating, Deduct</i>	-2,808.10	
			<i>For Class 54 Rating, Add</i>	3,857.79	
			<i>For Class 55 Rating, Add</i>	5,749.91	
			<i>For Class 56 Rating, Add</i>	7,616.51	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,668.21	1,574.20
			<i>For Class 52 Rating, Deduct</i>	-2,891.14	
			<i>For Class 54 Rating, Add</i>	3,971.08	
			<i>For Class 55 Rating, Add</i>	5,918.37	
			<i>For Class 56 Rating, Add</i>	7,839.37	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,427.48	1,577.07
			<i>For Class 52 Rating, Deduct</i>	-2,974.18	
			<i>For Class 54 Rating, Add</i>	4,084.37	
			<i>For Class 55 Rating, Add</i>	6,086.82	
			<i>For Class 56 Rating, Add</i>	8,062.23	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,186.77	1,579.94
			<i>For Class 52 Rating, Deduct</i>	-3,057.22	
			<i>For Class 54 Rating, Add</i>	4,197.66	
			<i>For Class 55 Rating, Add</i>	6,255.27	
			<i>For Class 56 Rating, Add</i>	8,285.09	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,946.04	1,582.81
			<i>For Class 52 Rating, Deduct</i>	-3,140.26	
			<i>For Class 54 Rating, Add</i>	4,310.95	
			<i>For Class 55 Rating, Add</i>	6,423.73	
			<i>For Class 56 Rating, Add</i>	8,507.95	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,705.32	1,585.68
			<i>For Class 52 Rating, Deduct</i>	-3,223.30	
			<i>For Class 54 Rating, Add</i>	4,424.25	
			<i>For Class 55 Rating, Add</i>	6,592.18	
			<i>For Class 56 Rating, Add</i>	8,730.81	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,464.60	1,588.56
			<i>For Class 52 Rating, Deduct</i>	-3,306.35	
			<i>For Class 54 Rating, Add</i>	4,537.54	
			<i>For Class 55 Rating, Add</i>	6,760.63	
			<i>For Class 56 Rating, Add</i>	8,953.67	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,223.88	1,591.43
			<i>For Class 52 Rating, Deduct</i>	-3,389.39	
			<i>For Class 54 Rating, Add</i>	4,650.83	
			<i>For Class 55 Rating, Add</i>	6,929.08	
			<i>For Class 56 Rating, Add</i>	9,176.53	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,983.15	1,594.30
			<i>For Class 52 Rating, Deduct</i>	-3,472.43	
			<i>For Class 54 Rating, Add</i>	4,764.12	
			<i>For Class 55 Rating, Add</i>	7,097.54	
			<i>For Class 56 Rating, Add</i>	9,399.39	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,742.42	1,597.17
			<i>For Class 52 Rating, Deduct</i>	-3,555.47	
			<i>For Class 54 Rating, Add</i>	4,877.41	
			<i>For Class 55 Rating, Add</i>	7,265.99	
			<i>For Class 56 Rating, Add</i>	9,622.24	
40 05 19 00-1499	EA		36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,501.70	1,600.05
			<i>For Class 52 Rating, Deduct</i>	-3,638.51	
			<i>For Class 54 Rating, Add</i>	4,990.70	
			<i>For Class 55 Rating, Add</i>	7,434.44	
			<i>For Class 56 Rating, Add</i>	9,845.11	
40 05 19 00-1500	EA		36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,260.98	1,602.93
			<i>For Class 52 Rating, Deduct</i>	-3,721.55	
			<i>For Class 54 Rating, Add</i>	5,103.99	
			<i>For Class 55 Rating, Add</i>	7,602.89	
			<i>For Class 56 Rating, Add</i>	10,067.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,020.26	1,605.78
For Class 52 Rating, Deduct	-3,804.60	
For Class 54 Rating, Add	5,217.28	
For Class 55 Rating, Add	7,771.35	
For Class 56 Rating, Add	10,290.82	
40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,785.95	1,890.18
For Class 52 Rating, Deduct	-981.42	
For Class 54 Rating, Add	1,372.67	
For Class 55 Rating, Add	2,058.35	
For Class 56 Rating, Add	2,735.10	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,918.20	1,893.05
For Class 52 Rating, Deduct	-1,105.49	
For Class 54 Rating, Add	1,541.91	
For Class 55 Rating, Add	2,309.97	
For Class 56 Rating, Add	3,067.99	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,036.97	1,895.93
For Class 52 Rating, Deduct	-1,228.08	
For Class 54 Rating, Add	1,709.12	
For Class 55 Rating, Add	2,558.59	
For Class 56 Rating, Add	3,396.90	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,166.97	1,898.80
For Class 52 Rating, Deduct	-1,351.90	
For Class 54 Rating, Add	1,878.02	
For Class 55 Rating, Add	2,809.72	
For Class 56 Rating, Add	3,729.12	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,285.74	1,901.68
For Class 52 Rating, Deduct	-1,474.49	
For Class 54 Rating, Add	2,045.24	
For Class 55 Rating, Add	3,058.34	
For Class 56 Rating, Add	4,058.03	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,417.98	1,904.54
For Class 52 Rating, Deduct	-1,598.55	
For Class 54 Rating, Add	2,214.47	
For Class 55 Rating, Add	3,309.96	
For Class 56 Rating, Add	4,390.91	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,534.50	1,907.42
For Class 52 Rating, Deduct	-1,720.89	
For Class 54 Rating, Add	2,381.35	
For Class 55 Rating, Add	3,558.08	
For Class 56 Rating, Add	4,719.16	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,666.74	1,910.30
For Class 52 Rating, Deduct	-1,844.96	
For Class 54 Rating, Add	2,550.59	
For Class 55 Rating, Add	3,809.70	
For Class 56 Rating, Add	5,052.04	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,785.50	1,913.17
For Class 52 Rating, Deduct	-1,967.54	
For Class 54 Rating, Add	2,717.80	
For Class 55 Rating, Add	4,058.32	
For Class 56 Rating, Add	5,380.95	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,915.50	1,916.03
For Class 52 Rating, Deduct	-2,091.37	
For Class 54 Rating, Add	2,886.70	
For Class 55 Rating, Add	4,309.44	
For Class 56 Rating, Add	5,713.17	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,034.26	1,918.91
For Class 52 Rating, Deduct	-2,213.95	
For Class 54 Rating, Add	3,053.91	
For Class 55 Rating, Add	4,558.06	
For Class 56 Rating, Add	6,042.08	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,164.27	1,921.79
For Class 52 Rating, Deduct	-2,337.77	
For Class 54 Rating, Add	3,222.81	
For Class 55 Rating, Add	4,809.19	
For Class 56 Rating, Add	6,374.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,283.04	1,924.64
			<i>For Class 52 Rating, Deduct</i>	-2,460.36	
			<i>For Class 54 Rating, Add</i>	3,390.03	
			<i>For Class 55 Rating, Add</i>	5,057.80	
			<i>For Class 56 Rating, Add</i>	6,703.21	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,404.05	1,927.52
			<i>For Class 52 Rating, Deduct</i>	-2,583.19	
			<i>For Class 54 Rating, Add</i>	3,557.58	
			<i>For Class 55 Rating, Add</i>	5,306.92	
			<i>For Class 56 Rating, Add</i>	7,032.79	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,531.80	1,930.40
			<i>For Class 52 Rating, Deduct</i>	-2,706.76	
			<i>For Class 54 Rating, Add</i>	3,726.14	
			<i>For Class 55 Rating, Add</i>	5,557.55	
			<i>For Class 56 Rating, Add</i>	7,364.34	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,650.57	1,933.28
			<i>For Class 52 Rating, Deduct</i>	-2,829.35	
			<i>For Class 54 Rating, Add</i>	3,893.36	
			<i>For Class 55 Rating, Add</i>	5,806.17	
			<i>For Class 56 Rating, Add</i>	7,693.26	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,782.81	1,936.15
			<i>For Class 52 Rating, Deduct</i>	-2,953.42	
			<i>For Class 54 Rating, Add</i>	4,062.59	
			<i>For Class 55 Rating, Add</i>	6,057.79	
			<i>For Class 56 Rating, Add</i>	8,026.14	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,901.57	1,939.01
			<i>For Class 52 Rating, Deduct</i>	-3,076.00	
			<i>For Class 54 Rating, Add</i>	4,229.81	
			<i>For Class 55 Rating, Add</i>	6,306.41	
			<i>For Class 56 Rating, Add</i>	8,355.05	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,031.57	1,941.89
			<i>For Class 52 Rating, Deduct</i>	-3,199.83	
			<i>For Class 54 Rating, Add</i>	4,398.71	
			<i>For Class 55 Rating, Add</i>	6,557.53	
			<i>For Class 56 Rating, Add</i>	8,687.27	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,150.34	1,944.76
			<i>For Class 52 Rating, Deduct</i>	-3,322.41	
			<i>For Class 54 Rating, Add</i>	4,565.92	
			<i>For Class 55 Rating, Add</i>	6,806.15	
			<i>For Class 56 Rating, Add</i>	9,016.18	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,282.60	1,947.64
			<i>For Class 52 Rating, Deduct</i>	-3,446.48	
			<i>For Class 54 Rating, Add</i>	4,735.16	
			<i>For Class 55 Rating, Add</i>	7,057.78	
			<i>For Class 56 Rating, Add</i>	9,349.07	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,401.36	1,950.51
			<i>For Class 52 Rating, Deduct</i>	-3,569.06	
			<i>For Class 54 Rating, Add</i>	4,902.37	
			<i>For Class 55 Rating, Add</i>	7,306.39	
			<i>For Class 56 Rating, Add</i>	9,677.97	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,531.36	1,953.38
			<i>For Class 52 Rating, Deduct</i>	-3,692.89	
			<i>For Class 54 Rating, Add</i>	5,071.27	
			<i>For Class 55 Rating, Add</i>	7,557.52	
			<i>For Class 56 Rating, Add</i>	10,010.20	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,650.12	1,956.25
			<i>For Class 52 Rating, Deduct</i>	-3,815.47	
			<i>For Class 54 Rating, Add</i>	5,238.48	
			<i>For Class 55 Rating, Add</i>	7,806.14	
			<i>For Class 56 Rating, Add</i>	10,339.10	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,782.36	1,959.13
			<i>For Class 52 Rating, Deduct</i>	-3,939.54	
			<i>For Class 54 Rating, Add</i>	5,407.72	
			<i>For Class 55 Rating, Add</i>	8,057.76	
			<i>For Class 56 Rating, Add</i>	10,671.99	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,901.12	1,962.00
			<i>For Class 52 Rating, Deduct</i>	-4,062.12	
			<i>For Class 54 Rating, Add</i>	5,574.93	
			<i>For Class 55 Rating, Add</i>	8,306.38	
			<i>For Class 56 Rating, Add</i>	11,000.90	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529 EA 42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,028.87	1,964.86
For Class 52 Rating, Deduct	-4,185.70	
For Class 54 Rating, Add	5,743.49	
For Class 55 Rating, Add	8,557.00	
For Class 56 Rating, Add	11,332.46	
40 05 19 00-1530 EA 42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,149.88	1,967.74
For Class 52 Rating, Deduct	-4,308.53	
For Class 54 Rating, Add	5,911.05	
For Class 55 Rating, Add	8,806.12	
For Class 56 Rating, Add	11,662.03	
40 05 19 00-1531 EA 42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,043.99	1,970.62
For Class 52 Rating, Deduct	-4,406.40	
For Class 54 Rating, Add	6,044.56	
For Class 55 Rating, Add	9,004.64	
For Class 56 Rating, Add	11,924.66	
40 05 19 00-1532 EA 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,398.66	1,973.49
For Class 52 Rating, Deduct	-4,554.94	
For Class 54 Rating, Add	6,247.16	
For Class 55 Rating, Add	9,305.86	
For Class 56 Rating, Add	12,323.16	
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,517.43	1,976.36
For Class 52 Rating, Deduct	-4,677.52	
For Class 54 Rating, Add	6,414.37	
For Class 55 Rating, Add	9,554.48	
For Class 56 Rating, Add	12,652.07	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,647.42	1,979.23
For Class 52 Rating, Deduct	-4,801.34	
For Class 54 Rating, Add	6,583.27	
For Class 55 Rating, Add	9,805.61	
For Class 56 Rating, Add	12,984.29	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,766.19	1,982.11
For Class 52 Rating, Deduct	-4,923.93	
For Class 54 Rating, Add	6,750.49	
For Class 55 Rating, Add	10,054.23	
For Class 56 Rating, Add	13,313.20	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,898.43	1,984.99
For Class 52 Rating, Deduct	-5,048.00	
For Class 54 Rating, Add	6,919.72	
For Class 55 Rating, Add	10,305.85	
For Class 56 Rating, Add	13,646.08	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,014.95	1,987.85
For Class 52 Rating, Deduct	-5,170.34	
For Class 54 Rating, Add	7,086.60	
For Class 55 Rating, Add	10,553.97	
For Class 56 Rating, Add	13,974.33	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,147.19	1,990.72
For Class 52 Rating, Deduct	-5,294.40	
For Class 54 Rating, Add	7,255.84	
For Class 55 Rating, Add	10,805.59	
For Class 56 Rating, Add	14,307.21	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,265.97	1,993.60
For Class 52 Rating, Deduct	-5,416.99	
For Class 54 Rating, Add	7,423.05	
For Class 55 Rating, Add	11,054.21	
For Class 56 Rating, Add	14,636.12	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,395.97	1,996.46
For Class 52 Rating, Deduct	-5,540.81	
For Class 54 Rating, Add	7,591.95	
For Class 55 Rating, Add	11,305.33	
For Class 56 Rating, Add	14,968.35	
40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,201.96	2,375.65
For Class 52 Rating, Deduct	-1,276.27	
For Class 54 Rating, Add	1,783.57	
For Class 55 Rating, Add	2,673.74	
For Class 56 Rating, Add	3,552.31	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		16,848.72	2,378.52
		<i>For Class 52 Rating, Deduct</i>		-1,456.94	
		<i>For Class 54 Rating, Add</i>		2,029.98	
		<i>For Class 55 Rating, Add</i>		3,040.10	
		<i>For Class 56 Rating, Add</i>		4,036.98	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		18,493.23	2,381.40
		<i>For Class 52 Rating, Deduct</i>		-1,637.36	
		<i>For Class 54 Rating, Add</i>		2,276.06	
		<i>For Class 55 Rating, Add</i>		3,405.96	
		<i>For Class 56 Rating, Add</i>		4,520.98	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		20,151.22	2,384.28
		<i>For Class 52 Rating, Deduct</i>		-1,819.26	
		<i>For Class 54 Rating, Add</i>		2,524.15	
		<i>For Class 55 Rating, Add</i>		3,774.83	
		<i>For Class 56 Rating, Add</i>		5,008.96	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		21,798.00	2,387.14
		<i>For Class 52 Rating, Deduct</i>		-1,999.92	
		<i>For Class 54 Rating, Add</i>		2,770.57	
		<i>For Class 55 Rating, Add</i>		4,141.19	
		<i>For Class 56 Rating, Add</i>		5,493.64	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		23,444.76	2,390.01
		<i>For Class 52 Rating, Deduct</i>		-2,180.59	
		<i>For Class 54 Rating, Add</i>		3,016.98	
		<i>For Class 55 Rating, Add</i>		4,507.55	
		<i>For Class 56 Rating, Add</i>		5,978.30	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		25,100.50	2,392.89
		<i>For Class 52 Rating, Deduct</i>		-2,362.24	
		<i>For Class 54 Rating, Add</i>		3,264.74	
		<i>For Class 55 Rating, Add</i>		4,875.92	
		<i>For Class 56 Rating, Add</i>		6,465.62	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		26,749.51	2,395.76
		<i>For Class 52 Rating, Deduct</i>		-2,543.15	
		<i>For Class 54 Rating, Add</i>		3,511.49	
		<i>For Class 55 Rating, Add</i>		5,242.78	
		<i>For Class 56 Rating, Add</i>		6,950.95	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		28,394.04	2,398.64
		<i>For Class 52 Rating, Deduct</i>		-2,723.57	
		<i>For Class 54 Rating, Add</i>		3,757.57	
		<i>For Class 55 Rating, Add</i>		5,608.65	
		<i>For Class 56 Rating, Add</i>		7,434.96	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		30,052.03	2,401.51
		<i>For Class 52 Rating, Deduct</i>		-2,905.47	
		<i>For Class 54 Rating, Add</i>		4,005.67	
		<i>For Class 55 Rating, Add</i>		5,977.51	
		<i>For Class 56 Rating, Add</i>		7,922.94	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		31,698.79	2,404.38
		<i>For Class 52 Rating, Deduct</i>		-3,086.14	
		<i>For Class 54 Rating, Add</i>		4,252.08	
		<i>For Class 55 Rating, Add</i>		6,343.87	
		<i>For Class 56 Rating, Add</i>		8,407.61	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		33,356.79	2,407.25
		<i>For Class 52 Rating, Deduct</i>		-3,268.04	
		<i>For Class 54 Rating, Add</i>		4,500.18	
		<i>For Class 55 Rating, Add</i>		6,712.74	
		<i>For Class 56 Rating, Add</i>		8,895.59	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		35,001.31	2,410.13
		<i>For Class 52 Rating, Deduct</i>		-3,448.46	
		<i>For Class 54 Rating, Add</i>		4,746.26	
		<i>For Class 55 Rating, Add</i>		7,078.60	
		<i>For Class 56 Rating, Add</i>		9,379.59	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		36,648.07	2,413.00
		<i>For Class 52 Rating, Deduct</i>		-3,629.12	
		<i>For Class 54 Rating, Add</i>		4,992.67	
		<i>For Class 55 Rating, Add</i>		7,444.96	
		<i>For Class 56 Rating, Add</i>		9,864.26	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		38,306.07	2,415.88
		<i>For Class 52 Rating, Deduct</i>		-3,811.02	
		<i>For Class 54 Rating, Add</i>		5,240.77	
		<i>For Class 55 Rating, Add</i>		7,813.83	
		<i>For Class 56 Rating, Add</i>		10,352.24	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557 EA 48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,952.84	2,418.74
For Class 52 Rating, Deduct	-3,991.69	
For Class 54 Rating, Add	5,487.19	
For Class 55 Rating, Add	8,180.19	
For Class 56 Rating, Add	10,836.91	
40 05 19 00-1558 EA 48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,597.35	2,421.62
For Class 52 Rating, Deduct	-4,172.11	
For Class 54 Rating, Add	5,733.26	
For Class 55 Rating, Add	8,546.05	
For Class 56 Rating, Add	11,320.92	
40 05 19 00-1559 EA 48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,255.35	2,424.49
For Class 52 Rating, Deduct	-4,354.01	
For Class 54 Rating, Add	5,981.36	
For Class 55 Rating, Add	8,914.92	
For Class 56 Rating, Add	11,808.90	
40 05 19 00-1560 EA 48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,902.11	2,427.36
For Class 52 Rating, Deduct	-4,534.67	
For Class 54 Rating, Add	6,227.78	
For Class 55 Rating, Add	9,281.28	
For Class 56 Rating, Add	12,293.57	
40 05 19 00-1561 EA 48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,546.62	2,430.23
For Class 52 Rating, Deduct	-4,715.09	
For Class 54 Rating, Add	6,473.85	
For Class 55 Rating, Add	9,647.14	
For Class 56 Rating, Add	12,777.57	
40 05 19 00-1562 EA 48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,204.62	2,433.11
For Class 52 Rating, Deduct	-4,896.99	
For Class 54 Rating, Add	6,721.95	
For Class 55 Rating, Add	10,016.01	
For Class 56 Rating, Add	13,265.55	
40 05 19 00-1563 EA 48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,853.63	2,435.98
For Class 52 Rating, Deduct	-5,077.90	
For Class 54 Rating, Add	6,968.70	
For Class 55 Rating, Add	10,382.87	
For Class 56 Rating, Add	13,750.88	
40 05 19 00-1564 EA 48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,498.15	2,438.85
For Class 52 Rating, Deduct	-5,258.32	
For Class 54 Rating, Add	7,214.78	
For Class 55 Rating, Add	10,748.74	
For Class 56 Rating, Add	14,234.89	
40 05 19 00-1565 EA 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,156.15	2,441.73
For Class 52 Rating, Deduct	-5,440.22	
For Class 54 Rating, Add	7,462.88	
For Class 55 Rating, Add	11,117.60	
For Class 56 Rating, Add	14,722.87	
40 05 19 00-1566 EA 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,802.91	2,444.60
For Class 52 Rating, Deduct	-5,620.89	
For Class 54 Rating, Add	7,709.29	
For Class 55 Rating, Add	11,483.96	
For Class 56 Rating, Add	15,207.54	
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,447.43	2,447.46
For Class 52 Rating, Deduct	-5,801.31	
For Class 54 Rating, Add	7,955.37	
For Class 55 Rating, Add	11,849.83	
For Class 56 Rating, Add	15,691.54	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,105.42	2,450.34
For Class 52 Rating, Deduct	-5,983.21	
For Class 54 Rating, Add	8,203.47	
For Class 55 Rating, Add	12,218.69	
For Class 56 Rating, Add	16,179.53	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,752.18	2,453.22
For Class 52 Rating, Deduct	-6,163.87	
For Class 54 Rating, Add	8,449.88	
For Class 55 Rating, Add	12,585.06	
For Class 56 Rating, Add	16,664.19	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,196.73	2,456.10
For Class 52 Rating, Deduct	-6,322.29	
For Class 54 Rating, Add	8,665.96	
For Class 55 Rating, Add	12,906.32	
For Class 56 Rating, Add	17,089.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,056.95	2,458.95
			<i>For Class 52 Rating, Deduct</i>	-6,526.44	
			<i>For Class 54 Rating, Add</i>	8,944.40	
			<i>For Class 55 Rating, Add</i>	13,320.29	
			<i>For Class 56 Rating, Add</i>	17,636.84	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,701.46	2,461.83
			<i>For Class 52 Rating, Deduct</i>	-6,706.86	
			<i>For Class 54 Rating, Add</i>	9,190.47	
			<i>For Class 55 Rating, Add</i>	13,686.15	
			<i>For Class 56 Rating, Add</i>	18,120.85	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,361.71	2,464.71
			<i>For Class 52 Rating, Deduct</i>	-6,889.00	
			<i>For Class 54 Rating, Add</i>	9,438.91	
			<i>For Class 55 Rating, Add</i>	14,055.51	
			<i>For Class 56 Rating, Add</i>	18,609.49	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,006.23	2,467.58
			<i>For Class 52 Rating, Deduct</i>	-7,069.42	
			<i>For Class 54 Rating, Add</i>	9,684.99	
			<i>For Class 55 Rating, Add</i>	14,421.38	
			<i>For Class 56 Rating, Add</i>	19,093.50	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,650.74	2,470.44
			<i>For Class 52 Rating, Deduct</i>	-7,249.84	
			<i>For Class 54 Rating, Add</i>	9,931.06	
			<i>For Class 55 Rating, Add</i>	14,787.24	
			<i>For Class 56 Rating, Add</i>	19,577.50	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,310.98	2,473.32
			<i>For Class 52 Rating, Deduct</i>	-7,431.99	
			<i>For Class 54 Rating, Add</i>	10,179.50	
			<i>For Class 55 Rating, Add</i>	15,156.60	
			<i>For Class 56 Rating, Add</i>	20,066.15	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,955.50	2,476.20
			<i>For Class 52 Rating, Deduct</i>	-7,612.41	
			<i>For Class 54 Rating, Add</i>	10,425.58	
			<i>For Class 55 Rating, Add</i>	15,522.47	
			<i>For Class 56 Rating, Add</i>	20,550.15	
40 05 19 00-1578	EA		48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,602.26	2,479.07
			<i>For Class 52 Rating, Deduct</i>	-7,793.07	
			<i>For Class 54 Rating, Add</i>	10,671.99	
			<i>For Class 55 Rating, Add</i>	15,888.83	
			<i>For Class 56 Rating, Add</i>	21,034.82	
40 05 19 00-1579	EA		48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,260.25	2,481.94
			<i>For Class 52 Rating, Deduct</i>	-7,974.97	
			<i>For Class 54 Rating, Add</i>	10,920.09	
			<i>For Class 55 Rating, Add</i>	16,257.69	
			<i>For Class 56 Rating, Add</i>	21,522.80	
40 05 19 00-1580			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1581	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	422.08	138.59
40 05 19 00-1582	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	596.74	177.23
40 05 19 00-1583	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	844.48	200.74
40 05 19 00-1584	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,243.29	254.51
40 05 19 00-1585	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,545.38	282.22
40 05 19 00-1586	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,935.26	306.58
40 05 19 00-1587	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,384.04	377.98
40 05 19 00-1588	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,136.41	453.57
40 05 19 00-1589	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,861.09	571.16
40 05 19 00-1590	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,918.56	646.76
40 05 19 00-1591	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,000.31	856.75
40 05 19 00-1592	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	14,225.19	970.14
40 05 19 00-1593	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,928.51	1,108.73
40 05 19 00-1594	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	31,883.89	1,360.71
40 05 19 00-1595			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	398.86	138.59
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	559.58	177.23
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	750.04	200.74
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,107.05	254.51
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,371.99	282.22
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,582.28	306.58
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,993.90	377.98
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,611.58	453.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,382.71	571.16
40 05 19 00-1605 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,475.68	646.76
40 05 19 00-1606 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,944.46	856.75
40 05 19 00-1607 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,454.21	970.14
40 05 19 00-1608 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	20,613.90	1,108.73
40 05 19 00-1609 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	28,134.24	1,360.71
40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	397.31	138.59
40 05 19 00-1612 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	547.20	177.23
40 05 19 00-1613 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	739.20	200.74
40 05 19 00-1614 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,076.09	254.51
40 05 19 00-1615 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,440.11	282.22
40 05 19 00-1616 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,797.48	306.58
40 05 19 00-1617 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,041.89	377.98
40 05 19 00-1618 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,670.41	453.57
40 05 19 00-1619 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,638.15	571.16
40 05 19 00-1620 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,057.78	646.76
40 05 19 00-1621 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,068.19	856.75
40 05 19 00-1622 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,692.62	970.14
40 05 19 00-1623 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	21,089.18	1,108.73
40 05 19 00-1624 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	28,753.51	1,360.71
40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	436.01	138.59
40 05 19 00-1627 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	619.96	177.23
40 05 19 00-1628 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	770.17	200.74
40 05 19 00-1629 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,186.01	254.51
40 05 19 00-1630 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,642.92	282.22
40 05 19 00-1631 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,850.11	306.58
40 05 19 00-1632 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,261.73	377.98
40 05 19 00-1633 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,670.41	453.57
40 05 19 00-1634 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,638.15	571.16
40 05 19 00-1635 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,266.79	646.76
40 05 19 00-1636 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,151.92	856.75
40 05 19 00-1637 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,794.80	970.14
40 05 19 00-1638 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	21,197.55	1,108.73
40 05 19 00-1639 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,971.80	1,360.71
40 05 19 00-1640 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1641 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	565.92	157.91
40 05 19 00-1642 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	702.94	169.67
40 05 19 00-1643 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	792.60	188.98
40 05 19 00-1644 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,068.78	196.55
40 05 19 00-1645 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,127.47	215.86
40 05 19 00-1646 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,233.53	227.62
40 05 19 00-1647 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,149.24	210.83
40 05 19 00-1648 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,296.17	230.14
40 05 19 00-1649 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,493.58	241.90
40 05 19 00-1650 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,590.03	268.78
40 05 19 00-1651 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,493.58	241.90
40 05 19 00-1652 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,656.93	253.66
40 05 19 00-1653 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,846.27	280.54
40 05 19 00-1654 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,045.95	294.82
40 05 19 00-1655 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,722.61	277.60
40 05 19 00-1656 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,859.64	289.36
40 05 19 00-1657 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,137.23	316.24
40 05 19 00-1658 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,334.72	330.10
40 05 19 00-1659 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,501.79	342.28
40 05 19 00-1660 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,016.75	315.40
40 05 19 00-1661 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,420.06	327.16
40 05 19 00-1662 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,490.20	354.04
40 05 19 00-1663 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,630.41	367.89
40 05 19 00-1664 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,856.31	380.08
40 05 19 00-1665 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,114.76	415.77
40 05 19 00-1666 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,607.43	374.20
40 05 19 00-1667 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,784.72	385.96
40 05 19 00-1668 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,461.73	412.83
40 05 19 00-1669 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,592.65	426.69
40 05 19 00-1670 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,967.18	438.87
40 05 19 00-1671 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,874.19	474.56
40 05 19 00-1672 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,123.43	512.36
40 05 19 00-1673 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,683.39	412.00
40 05 19 00-1674 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,862.22	423.76

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1675	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,156.84	450.63
40 05 19 00-1676	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,369.81	464.49
40 05 19 00-1677	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,770.66	476.67
40 05 19 00-1678	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,142.12	512.36
40 05 19 00-1679	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,262.87	550.16
40 05 19 00-1680	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,540.05	544.08
40 05 19 00-1681	EA		30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,597.23	569.49
40 05 19 00-1682	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,025.96	581.66
40 05 19 00-1683	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,925.33	617.36
40 05 19 00-1684	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,221.13	655.16
40 05 19 00-1685	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,667.96	713.96
40 05 19 00-1686	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,267.08	751.75
40 05 19 00-1687	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,109.11	626.18
40 05 19 00-1688	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,821.36	638.36
40 05 19 00-1689	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,591.91	674.06
40 05 19 00-1690	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,547.34	711.86
40 05 19 00-1691	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,990.85	770.65
40 05 19 00-1692	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,077.63	808.45
40 05 19 00-1693	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,945.77	913.44
40 05 19 00-1694	EA		42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,168.31	707.65
40 05 19 00-1695	EA		42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,616.84	743.35
40 05 19 00-1696	EA		42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,369.69	781.15
40 05 19 00-1697	EA		42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,067.08	839.95
40 05 19 00-1698	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,751.03	877.75
40 05 19 00-1699	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,566.74	982.73
40 05 19 00-1700	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,263.41	1,039.43
40 05 19 00-1701	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,133.77	1,014.24
40 05 19 00-1702	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,331.79	1,119.23
40 05 19 00-1703	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,129.84	1,175.92
40 05 19 00-1704	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	36,005.05	1,245.22
40 05 19 00-1705			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1706	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	507.23	138.59
40 05 19 00-1707	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	787.16	177.23
40 05 19 00-1708	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,163.40	200.74
40 05 19 00-1709	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,658.20	254.51
40 05 19 00-1710	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,351.97	282.22
40 05 19 00-1711	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,744.95	306.58
40 05 19 00-1712	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,563.74	377.98
40 05 19 00-1713	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,416.74	453.57
40 05 19 00-1714	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,028.51	571.16
40 05 19 00-1715	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,881.74	646.76
40 05 19 00-1716	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,671.22	856.75
40 05 19 00-1717	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,899.64	970.14
40 05 19 00-1718	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	37,111.09	1,108.73
40 05 19 00-1719			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base <small>(40 05 19 00-0001)</small>		
40 05 19 00-1720	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	536.64	138.59
40 05 19 00-1721	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	729.88	177.23
40 05 19 00-1722	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,203.65	200.74
40 05 19 00-1723	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,628.78	254.51
40 05 19 00-1724	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,195.61	282.22
40 05 19 00-1725	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,596.33	306.58
40 05 19 00-1726	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,207.66	377.98
40 05 19 00-1727	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,032.79	453.57
40 05 19 00-1728	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,325.65	571.16
40 05 19 00-1729	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,544.13	646.76
40 05 19 00-1730	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,393.76	856.75
40 05 19 00-1731	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,755.00	970.14
40 05 19 00-1732	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	33,067.30	1,108.73
40 05 19 00-1733	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	35,635.08	1,360.71
40 05 19 00-1734			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1735	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	724.29	222.59
40 05 19 00-1736	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	897.92	273.82
40 05 19 00-1737	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,269.83	305.74
40 05 19 00-1738	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,828.10	397.29
40 05 19 00-1739	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,440.17	433.41
40 05 19 00-1740	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,280.91	466.17
40 05 19 00-1741	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,710.06	587.96
40 05 19 00-1742	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,529.35	671.96
40 05 19 00-1743	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,713.11	848.35
40 05 19 00-1744	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,450.74	936.54
40 05 19 00-1745	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,417.92	1,293.52
40 05 19 00-1746	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,827.25	1,482.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	43,233.85	1,713.49
40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1749 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	910.83	248.63
40 05 19 00-1750 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,133.65	253.66
40 05 19 00-1751 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,129.37	285.58
40 05 19 00-1752 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,501.03	280.54
40 05 19 00-1753 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,478.19	312.46
40 05 19 00-1754 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,558.26	332.62
40 05 19 00-1755 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,909.71	294.82
40 05 19 00-1756 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,900.79	326.74
40 05 19 00-1757 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,007.20	346.90
40 05 19 00-1758 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,391.60	411.57
40 05 19 00-1759 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,797.59	306.58
40 05 19 00-1760 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,732.94	338.50
40 05 19 00-1761 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,853.27	358.66
40 05 19 00-1762 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,008.55	423.33
40 05 19 00-1763 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,190.90	445.59
40 05 19 00-1764 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,396.63	342.28
40 05 19 00-1765 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,122.97	374.20
40 05 19 00-1766 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,069.92	394.36
40 05 19 00-1767 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,602.94	459.03
40 05 19 00-1768 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,492.70	481.29
40 05 19 00-1769 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,898.52	501.87
40 05 19 00-1770 EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,158.31	380.08
40 05 19 00-1771 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,119.86	412.00
40 05 19 00-1772 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,765.03	432.16
40 05 19 00-1773 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,771.68	496.83
40 05 19 00-1774 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,107.30	519.09
40 05 19 00-1775 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,486.82	539.66
40 05 19 00-1776 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,795.30	625.76
40 05 19 00-1777 EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,235.56	438.87
40 05 19 00-1778 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,602.30	470.79
40 05 19 00-1779 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,696.32	490.95
40 05 19 00-1780 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,890.30	555.63
40 05 19 00-1781 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,081.93	577.89
40 05 19 00-1782 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,145.62	598.46
40 05 19 00-1783 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,200.32	684.56
40 05 19 00-1784 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,333.79	730.76
40 05 19 00-1785 EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,108.27	476.67
40 05 19 00-1786 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,264.90	508.59
40 05 19 00-1787 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,504.44	528.74
40 05 19 00-1788 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,718.54	593.42
40 05 19 00-1789 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,414.88	615.69
40 05 19 00-1790 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,573.01	636.26
40 05 19 00-1791 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,787.06	722.36
40 05 19 00-1792 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,939.34	768.56
40 05 19 00-1793 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,243.67	821.26
40 05 19 00-1794 EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,865.76	613.58
40 05 19 00-1795 EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,928.81	633.74
40 05 19 00-1796 EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,232.72	698.41
40 05 19 00-1797 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,266.45	720.67
40 05 19 00-1798 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,297.62	741.26
40 05 19 00-1799 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,530.24	827.35
40 05 19 00-1800 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,668.36	873.54
40 05 19 00-1801 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,015.27	991.13
40 05 19 00-1802 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,404.70	1,041.53
40 05 19 00-1803 EA 36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,985.33	878.16
40 05 19 00-1804 EA 36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,035.93	894.13
40 05 19 00-1805 EA 36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,139.35	939.90
40 05 19 00-1806 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,268.89	957.95
40 05 19 00-1807 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,327.77	974.34
40 05 19 00-1808 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,488.16	1,035.24
40 05 19 00-1809 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,585.85	1,077.23
40 05 19 00-1810 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,855.71	1,165.43
40 05 19 00-1811 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,230.61	1,209.53
40 05 19 00-1812 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,585.21	1,388.01
40 05 19 00-1813 EA 42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,889.27	759.73
40 05 19 00-1814 EA 42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,299.65	824.41
40 05 19 00-1815 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,333.38	846.67
40 05 19 00-1816 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,400.17	867.25
40 05 19 00-1817 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,603.39	953.34
40 05 19 00-1818 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,856.06	999.54
40 05 19 00-1819 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,034.23	1,117.13
40 05 19 00-1820 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,401.64	1,167.52
40 05 19 00-1821 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,191.27	1,419.51
40 05 19 00-1822 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	41,386.52	1,551.81
40 05 19 00-1823 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,915.73	983.16
40 05 19 00-1824 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,946.91	1,003.74

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1825	EA		48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,185.73	1,089.83
40 05 19 00-1826	EA		48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,255.73	1,136.03
40 05 19 00-1827	EA		48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,577.88	1,253.62
40 05 19 00-1828	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,909.69	1,304.01
40 05 19 00-1829	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	34,802.37	1,556.00
40 05 19 00-1830			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base <small>(40 05 19 00-0001)</small>		
40 05 19 00-1831	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	783.12	222.59
40 05 19 00-1832	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,066.67	273.82
40 05 19 00-1833	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,560.89	305.74
40 05 19 00-1834	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,377.70	397.29
40 05 19 00-1835	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,201.87	433.41
40 05 19 00-1836	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,578.16	466.17
40 05 19 00-1837	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,440.79	587.96
40 05 19 00-1838	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,397.86	671.96
40 05 19 00-1839	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	7,211.73	848.35
40 05 19 00-1840	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	10,404.52	936.54
40 05 19 00-1841	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	17,460.06	1,293.52
40 05 19 00-1842	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	24,912.84	1,482.50
40 05 19 00-1843			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes <small>(40 05 19 00-0001)</small>		
40 05 19 00-1844	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	634.50	222.59
40 05 19 00-1845	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	890.18	273.82
40 05 19 00-1846	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,293.05	305.74
40 05 19 00-1847	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,699.61	397.29
40 05 19 00-1848	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,432.43	433.41
40 05 19 00-1849	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	3,163.25	466.17
40 05 19 00-1850			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses <small>(40 05 19 00-0001)</small>		
40 05 19 00-1851	EA		4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	871.68	306.58
40 05 19 00-1852	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,155.11	332.20
40 05 19 00-1853	EA		6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,222.30	370.42
40 05 19 00-1854	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,429.66	337.66
40 05 19 00-1855	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,557.50	382.18
40 05 19 00-1856	EA		8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,611.59	410.74
40 05 19 00-1857	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,854.33	364.54
40 05 19 00-1858	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,040.99	409.05
40 05 19 00-1859	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,232.88	437.61
40 05 19 00-1860	EA		10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,772.10	540.09
40 05 19 00-1861	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,407.89	378.39
40 05 19 00-1862	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,534.18	422.91
40 05 19 00-1863	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,727.61	451.47
40 05 19 00-1864	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,296.24	553.94
40 05 19 00-1865	EA		12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,099.63	584.60
40 05 19 00-1866	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,026.37	435.09
40 05 19 00-1867	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,218.26	463.65
40 05 19 00-1868	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,580.98	566.13
40 05 19 00-1869	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,895.26	596.79
40 05 19 00-1870	EA		14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,086.24	625.76
40 05 19 00-1871	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,614.57	470.79
40 05 19 00-1872	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,834.33	499.34
40 05 19 00-1873	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,197.05	601.82
40 05 19 00-1874	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,540.74	632.48
40 05 19 00-1875	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,348.01	661.46
40 05 19 00-1876	EA		16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,145.98	797.95
40 05 19 00-1877	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,761.64	508.59
40 05 19 00-1878	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,979.84	537.14
40 05 19 00-1879	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,283.73	639.62
40 05 19 00-1880	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,625.88	670.28
40 05 19 00-1881	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,320.02	699.25
40 05 19 00-1882	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,794.65	835.74
40 05 19 00-1883	EA		18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,055.42	890.34
40 05 19 00-1884	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,908.11	567.39
40 05 19 00-1885	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,141.80	595.94
40 05 19 00-1886	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,424.02	698.41
40 05 19 00-1887	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,789.38	729.07
40 05 19 00-1888	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,896.78	758.05
40 05 19 00-1889	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,187.29	894.54
40 05 19 00-1890	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,460.43	949.14
40 05 19 00-1891	EA		20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,175.11	1,125.53
40 05 19 00-1892	EA		24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,494.96	605.18
40 05 19 00-1893	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,663.63	633.74
40 05 19 00-1894	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,041.84	736.21
40 05 19 00-1895	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,280.25	766.87
40 05 19 00-1896	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,420.14	795.85
40 05 19 00-1897	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,849.89	932.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,196.02	986.94
40 05 19 00-1899 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,776.77	1,098.45
40 05 19 00-1900 EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,863.82	1,226.32
40 05 19 00-1901 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,007.96	871.87
40 05 19 00-1902 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,085.92	900.84
40 05 19 00-1903 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,531.14	1,037.33
40 05 19 00-1904 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,681.98	1,091.94
40 05 19 00-1905 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,325.45	1,268.32
40 05 19 00-1906 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,347.02	1,331.32
40 05 19 00-1907 EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,690.11	1,730.29
40 05 19 00-1908 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,973.25	1,109.15
40 05 19 00-1909 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,010.80	1,133.93
40 05 19 00-1910 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,386.88	1,245.22
40 05 19 00-1911 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,529.81	1,295.61
40 05 19 00-1912 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,060.60	1,442.60
40 05 19 00-1913 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,693.00	1,499.30
40 05 19 00-1914 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,295.20	1,824.78
40 05 19 00-1915 EA 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,737.37	1,994.88
40 05 19 00-1916 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,108.95	997.86
40 05 19 00-1917 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,152.86	1,026.84
40 05 19 00-1918 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,577.96	1,163.33
40 05 19 00-1919 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,696.29	1,217.92
40 05 19 00-1920 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,291.75	1,394.31
40 05 19 00-1921 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,933.70	1,457.31
40 05 19 00-1922 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,673.67	1,856.29
40 05 19 00-1923 EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	47,952.95	2,064.17
40 05 19 00-1924 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,483.56	2,318.25
40 05 19 00-1925 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,696.51	1,163.33
40 05 19 00-1926 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,123.16	1,299.82
40 05 19 00-1927 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,241.48	1,354.41
40 05 19 00-1928 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,799.80	1,530.80
40 05 19 00-1929 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,441.75	1,593.80
40 05 19 00-1930 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	37,029.34	1,992.78

40 05 19 00-1931

Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	465.29	157.91
40 05 19 00-1933 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	596.12	169.67
40 05 19 00-1934 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	656.36	188.98
40 05 19 00-1935 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	804.05	196.55
40 05 19 00-1936 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	810.10	215.86
40 05 19 00-1937 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	948.67	227.62
40 05 19 00-1938 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,030.04	210.83
40 05 19 00-1939 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,063.95	230.14
40 05 19 00-1940 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,166.92	241.90
40 05 19 00-1941 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,312.91	268.78
40 05 19 00-1942 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,618.19	230.14
40 05 19 00-1943 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,284.58	241.90
40 05 19 00-1944 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,421.61	253.66
40 05 19 00-1945 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,562.96	280.54
40 05 19 00-1946 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,518.03	294.82
40 05 19 00-1947 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,916.28	258.28
40 05 19 00-1948 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,547.67	277.60
40 05 19 00-1949 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,460.22	289.36
40 05 19 00-1950 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,627.88	316.24
40 05 19 00-1951 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,021.99	330.10
40 05 19 00-1952 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,176.68	342.28
40 05 19 00-1953 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,425.47	315.40
40 05 19 00-1954 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,916.91	327.16
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,106.25	354.04
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,091.65	367.89
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,410.44	380.08
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,404.15	415.77
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,478.94	374.20
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,402.32	385.96
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,602.50	412.83
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,535.26	426.69
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,929.91	438.87
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,745.58	474.56
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,391.15	512.36
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,255.34	423.76
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,678.46	450.63
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,958.00	464.49
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,063.15	476.67
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,589.32	512.36
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,338.61	550.16
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,584.83	544.08
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,261.06	617.36
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,524.24	655.16
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,023.59	713.96

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1976	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,763.60	751.75
40 05 19 00-1977	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,567.03	674.06
40 05 19 00-1978	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,998.96	711.86
40 05 19 00-1979	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,566.43	770.65
40 05 19 00-1980	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,410.15	808.45
40 05 19 00-1981	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,002.83	913.44
40 05 19 00-1982	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,585.27	877.75
40 05 19 00-1983	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,490.66	982.73
40 05 19 00-1984	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,652.65	1,039.43
40 05 19 00-1985	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,541.71	1,014.24
40 05 19 00-1986	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,812.49	1,119.23
40 05 19 00-1987	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	23,265.52	1,175.92
40 05 19 00-1988	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,065.86	1,245.22
40 05 19 00-1989			Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers <small>(40 05 19 00-0001)</small>		
40 05 19 00-1990	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	507.09	157.91
40 05 19 00-1991	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	644.11	169.67
40 05 19 00-1992	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	732.22	188.98
40 05 19 00-1993	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	804.05	196.55
40 05 19 00-1994	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	861.19	215.86
40 05 19 00-1995	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	996.67	227.62
40 05 19 00-1996	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,030.04	210.83
40 05 19 00-1997	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,119.68	230.14
40 05 19 00-1998	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,225.75	241.90
40 05 19 00-1999	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,415.09	268.78
40 05 19 00-2000	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,284.58	241.90
40 05 19 00-2001	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,392.19	253.66
40 05 19 00-2002	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,552.12	280.54
40 05 19 00-2003	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,779.67	294.82
40 05 19 00-2004	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,547.67	277.60
40 05 19 00-2005	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,681.60	289.36
40 05 19 00-2006	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,870.95	316.24
40 05 19 00-2007	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,069.98	330.10
40 05 19 00-2008	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,176.68	342.28
40 05 19 00-2009	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,916.91	327.16
40 05 19 00-2010	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,106.25	354.04
40 05 19 00-2011	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,305.29	367.89
40 05 19 00-2012	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,410.44	380.08
40 05 19 00-2013	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,642.57	415.77
40 05 19 00-2014	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,810.24	374.20
40 05 19 00-2015	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,561.78	385.96
40 05 19 00-2016	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,602.50	412.83
40 05 19 00-2017	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,846.44	426.69
40 05 19 00-2018	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,929.91	438.87
40 05 19 00-2019	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,203.84	474.56
40 05 19 00-2020	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,389.60	512.36
40 05 19 00-2021	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,574.27	423.76
40 05 19 00-2022	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,678.46	450.63
40 05 19 00-2023	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,762.93	464.49
40 05 19 00-2024	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,844.86	476.67
40 05 19 00-2025	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,123.43	512.36
40 05 19 00-2026	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,338.61	550.16
40 05 19 00-2027	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,584.83	544.08
40 05 19 00-2028	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,505.89	581.66
40 05 19 00-2029	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,320.00	617.36
40 05 19 00-2030	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,558.30	655.16
40 05 19 00-2031	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,023.59	713.96
40 05 19 00-2032	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,763.60	751.75
40 05 19 00-2033	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,635.15	674.06
40 05 19 00-2034	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,998.96	711.86
40 05 19 00-2035	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,532.37	770.65
40 05 19 00-2036	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,373.00	808.45
40 05 19 00-2037	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,968.77	913.44
40 05 19 00-2038	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,585.27	877.75
40 05 19 00-2039	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,310.63	982.73
40 05 19 00-2040	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,652.65	1,039.43
40 05 19 00-2041	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,812.49	1,119.23
40 05 19 00-2042	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	23,265.52	1,175.92
40 05 19 00-2043	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	26,065.86	1,245.22
40 05 19 00-2044			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges <small>(40 05 19 00-0001)</small>		
40 05 19 00-2045	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	180.26	54.60
40 05 19 00-2046	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	270.80	80.63
40 05 19 00-2047	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	394.33	95.76
40 05 19 00-2048	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	543.91	111.71
40 05 19 00-2049	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	703.23	131.04
40 05 19 00-2050	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	931.77	146.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2051 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,113.76	167.99
40 05 19 00-2052 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,508.17	235.18
40 05 19 00-2053 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,004.42	293.98
40 05 19 00-2054 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,860.02	356.97
40 05 19 00-2055 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	4,039.01	415.77
40 05 19 00-2056 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,236.11	457.77
40 05 19 00-2057 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	10,213.56	503.96
40 05 19 00-2058 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,505.96	566.96
40 05 19 00-2059 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping <small>(40 05 19)</small> Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.		
40 05 19 00-2060 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-2061 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2062 EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,114.66	240.23
For Class 52 Rating, Deduct	-82.57	
For Class 54 Rating, Add	116.97	
For Class 55 Rating, Add	176.14	
For Class 56 Rating, Add	234.55	
40 05 19 00-2063 EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,227.85	244.42
For Class 52 Rating, Deduct	-94.33	
For Class 54 Rating, Add	133.07	
For Class 55 Rating, Add	200.11	
For Class 56 Rating, Add	266.30	
40 05 19 00-2064 EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,341.06	248.63
For Class 52 Rating, Deduct	-106.08	
For Class 54 Rating, Add	149.17	
For Class 55 Rating, Add	224.09	
For Class 56 Rating, Add	298.04	
40 05 19 00-2065 EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,454.26	252.82
For Class 52 Rating, Deduct	-117.83	
For Class 54 Rating, Add	165.28	
For Class 55 Rating, Add	248.07	
For Class 56 Rating, Add	329.79	
40 05 19 00-2066 EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,567.46	257.02
For Class 52 Rating, Deduct	-129.58	
For Class 54 Rating, Add	181.38	
For Class 55 Rating, Add	272.05	
For Class 56 Rating, Add	361.54	
40 05 19 00-2067 EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,680.66	261.22
For Class 52 Rating, Deduct	-141.33	
For Class 54 Rating, Add	197.48	
For Class 55 Rating, Add	296.02	
For Class 56 Rating, Add	393.28	
40 05 19 00-2068 EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,793.86	265.42
For Class 52 Rating, Deduct	-153.09	
For Class 54 Rating, Add	213.58	
For Class 55 Rating, Add	320.00	
For Class 56 Rating, Add	425.03	
40 05 19 00-2069 EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,907.06	269.63
For Class 52 Rating, Deduct	-164.84	
For Class 54 Rating, Add	229.68	
For Class 55 Rating, Add	343.98	
For Class 56 Rating, Add	456.78	
40 05 19 00-2070 EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,020.27	273.82
For Class 52 Rating, Deduct	-176.59	
For Class 54 Rating, Add	245.79	
For Class 55 Rating, Add	367.96	
For Class 56 Rating, Add	488.52	
40 05 19 00-2071 EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,133.47	278.03
For Class 52 Rating, Deduct	-188.34	
For Class 54 Rating, Add	261.89	
For Class 55 Rating, Add	391.94	
For Class 56 Rating, Add	520.27	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2072	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		2,246.66	282.22
		For Class 52 Rating, Deduct		-200.10	
		For Class 54 Rating, Add		277.99	
		For Class 55 Rating, Add		415.91	
		For Class 56 Rating, Add		552.01	
40 05 19 00-2073	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		2,359.87	286.42
		For Class 52 Rating, Deduct		-211.85	
		For Class 54 Rating, Add		294.09	
		For Class 55 Rating, Add		439.89	
		For Class 56 Rating, Add		583.76	
40 05 19 00-2074	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		2,473.07	290.62
		For Class 52 Rating, Deduct		-223.60	
		For Class 54 Rating, Add		310.19	
		For Class 55 Rating, Add		463.87	
		For Class 56 Rating, Add		615.51	
40 05 19 00-2075	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		2,586.27	294.82
		For Class 52 Rating, Deduct		-235.35	
		For Class 54 Rating, Add		326.30	
		For Class 55 Rating, Add		487.84	
		For Class 56 Rating, Add		647.25	
40 05 19 00-2076	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		2,699.47	299.02
		For Class 52 Rating, Deduct		-247.10	
		For Class 54 Rating, Add		342.40	
		For Class 55 Rating, Add		511.82	
		For Class 56 Rating, Add		679.00	
40 05 19 00-2077	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		2,812.66	303.22
		For Class 52 Rating, Deduct		-258.86	
		For Class 54 Rating, Add		358.50	
		For Class 55 Rating, Add		535.80	
		For Class 56 Rating, Add		710.74	
40 05 19 00-2078	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		2,925.86	307.42
		For Class 52 Rating, Deduct		-270.61	
		For Class 54 Rating, Add		374.60	
		For Class 55 Rating, Add		559.78	
		For Class 56 Rating, Add		742.49	
40 05 19 00-2079	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		3,039.07	311.62
		For Class 52 Rating, Deduct		-282.36	
		For Class 54 Rating, Add		390.70	
		For Class 55 Rating, Add		583.75	
		For Class 56 Rating, Add		774.24	
40 05 19 00-2080	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		3,152.27	315.82
		For Class 52 Rating, Deduct		-294.11	
		For Class 54 Rating, Add		406.81	
		For Class 55 Rating, Add		607.73	
		For Class 56 Rating, Add		805.99	
40 05 19 00-2081	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		3,265.46	320.02
		For Class 52 Rating, Deduct		-305.86	
		For Class 54 Rating, Add		422.91	
		For Class 55 Rating, Add		631.71	
		For Class 56 Rating, Add		837.73	
40 05 19 00-2082	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		3,378.67	324.22
		For Class 52 Rating, Deduct		-317.62	
		For Class 54 Rating, Add		439.01	
		For Class 55 Rating, Add		655.69	
		For Class 56 Rating, Add		869.48	
40 05 19 00-2083	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		3,491.87	328.42
		For Class 52 Rating, Deduct		-329.37	
		For Class 54 Rating, Add		455.11	
		For Class 55 Rating, Add		679.66	
		For Class 56 Rating, Add		901.22	
40 05 19 00-2084	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		3,605.07	332.62
		For Class 52 Rating, Deduct		-341.12	
		For Class 54 Rating, Add		471.21	
		For Class 55 Rating, Add		703.64	
		For Class 56 Rating, Add		932.97	
40 05 19 00-2085	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		3,718.27	336.82
		For Class 52 Rating, Deduct		-352.87	
		For Class 54 Rating, Add		487.31	
		For Class 55 Rating, Add		727.62	
		For Class 56 Rating, Add		964.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2086 EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,831.47	341.02
For Class 52 Rating, Deduct	-364.63	
For Class 54 Rating, Add	503.42	
For Class 55 Rating, Add	751.60	
For Class 56 Rating, Add	996.46	
40 05 19 00-2087 EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,944.68	345.21
For Class 52 Rating, Deduct	-376.38	
For Class 54 Rating, Add	519.52	
For Class 55 Rating, Add	775.57	
For Class 56 Rating, Add	1,028.21	
40 05 19 00-2088 EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,057.88	349.42
For Class 52 Rating, Deduct	-388.13	
For Class 54 Rating, Add	535.62	
For Class 55 Rating, Add	799.55	
For Class 56 Rating, Add	1,059.95	
40 05 19 00-2089 EA 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,171.08	353.61
For Class 52 Rating, Deduct	-399.88	
For Class 54 Rating, Add	551.72	
For Class 55 Rating, Add	823.53	
For Class 56 Rating, Add	1,091.70	
40 05 19 00-2090 EA 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,284.28	357.82
For Class 52 Rating, Deduct	-411.63	
For Class 54 Rating, Add	567.83	
For Class 55 Rating, Add	847.51	
For Class 56 Rating, Add	1,123.45	
40 05 19 00-2091 EA 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,397.48	362.02
For Class 52 Rating, Deduct	-423.39	
For Class 54 Rating, Add	583.93	
For Class 55 Rating, Add	871.48	
For Class 56 Rating, Add	1,155.19	
40 05 19 00-2092 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,510.68	366.22
For Class 52 Rating, Deduct	-435.14	
For Class 54 Rating, Add	600.03	
For Class 55 Rating, Add	895.46	
For Class 56 Rating, Add	1,186.94	
40 05 19 00-2093 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,623.89	370.42
For Class 52 Rating, Deduct	-446.89	
For Class 54 Rating, Add	616.13	
For Class 55 Rating, Add	919.44	
For Class 56 Rating, Add	1,218.69	
40 05 19 00-2094 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,737.08	374.61
For Class 52 Rating, Deduct	-458.64	
For Class 54 Rating, Add	632.23	
For Class 55 Rating, Add	943.42	
For Class 56 Rating, Add	1,250.43	
40 05 19 00-2095 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,850.28	378.82
For Class 52 Rating, Deduct	-470.40	
For Class 54 Rating, Add	648.34	
For Class 55 Rating, Add	967.39	
For Class 56 Rating, Add	1,282.18	
40 05 19 00-2096 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,963.49	383.01
For Class 52 Rating, Deduct	-482.15	
For Class 54 Rating, Add	664.44	
For Class 55 Rating, Add	991.37	
For Class 56 Rating, Add	1,313.92	
40 05 19 00-2097 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,076.69	387.22
For Class 52 Rating, Deduct	-493.90	
For Class 54 Rating, Add	680.54	
For Class 55 Rating, Add	1,015.35	
For Class 56 Rating, Add	1,345.67	
40 05 19 00-2098 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,189.89	391.41
For Class 52 Rating, Deduct	-505.65	
For Class 54 Rating, Add	696.64	
For Class 55 Rating, Add	1,039.33	
For Class 56 Rating, Add	1,377.42	
40 05 19 00-2099 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,303.09	395.62
For Class 52 Rating, Deduct	-517.40	
For Class 54 Rating, Add	712.74	
For Class 55 Rating, Add	1,063.30	
For Class 56 Rating, Add	1,409.16	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-2100	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,416.29	399.81
		<i>For Class 52 Rating, Deduct</i>	-529.16	
		<i>For Class 54 Rating, Add</i>	728.85	
		<i>For Class 55 Rating, Add</i>	1,087.28	
		<i>For Class 56 Rating, Add</i>	1,440.91	
40 05 19 00-2101 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)				
40 05 19 00-2102	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,394.39	302.38
		<i>For Class 52 Rating, Deduct</i>	-102.99	
		<i>For Class 54 Rating, Add</i>	145.93	
		<i>For Class 55 Rating, Add</i>	219.78	
		<i>For Class 56 Rating, Add</i>	292.68	
40 05 19 00-2103	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,524.45	306.58
		<i>For Class 52 Rating, Deduct</i>	-116.59	
		<i>For Class 54 Rating, Add</i>	164.57	
		<i>For Class 55 Rating, Add</i>	247.51	
		<i>For Class 56 Rating, Add</i>	329.40	
40 05 19 00-2104	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,654.53	310.78
		<i>For Class 52 Rating, Deduct</i>	-130.20	
		<i>For Class 54 Rating, Add</i>	183.20	
		<i>For Class 55 Rating, Add</i>	275.26	
		<i>For Class 56 Rating, Add</i>	366.13	
40 05 19 00-2105	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,784.60	314.98
		<i>For Class 52 Rating, Deduct</i>	-143.81	
		<i>For Class 54 Rating, Add</i>	201.83	
		<i>For Class 55 Rating, Add</i>	303.00	
		<i>For Class 56 Rating, Add</i>	402.85	
40 05 19 00-2106	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,914.66	319.18
		<i>For Class 52 Rating, Deduct</i>	-157.42	
		<i>For Class 54 Rating, Add</i>	220.46	
		<i>For Class 55 Rating, Add</i>	330.73	
		<i>For Class 56 Rating, Add</i>	439.57	
40 05 19 00-2107	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,044.74	323.38
		<i>For Class 52 Rating, Deduct</i>	-171.02	
		<i>For Class 54 Rating, Add</i>	239.10	
		<i>For Class 55 Rating, Add</i>	358.47	
		<i>For Class 56 Rating, Add</i>	476.30	
40 05 19 00-2108	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,174.81	327.57
		<i>For Class 52 Rating, Deduct</i>	-184.63	
		<i>For Class 54 Rating, Add</i>	257.73	
		<i>For Class 55 Rating, Add</i>	386.21	
		<i>For Class 56 Rating, Add</i>	513.02	
40 05 19 00-2109	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,304.87	331.78
		<i>For Class 52 Rating, Deduct</i>	-198.24	
		<i>For Class 54 Rating, Add</i>	276.36	
		<i>For Class 55 Rating, Add</i>	413.95	
		<i>For Class 56 Rating, Add</i>	549.74	
40 05 19 00-2110	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,434.95	335.98
		<i>For Class 52 Rating, Deduct</i>	-211.85	
		<i>For Class 54 Rating, Add</i>	294.99	
		<i>For Class 55 Rating, Add</i>	441.69	
		<i>For Class 56 Rating, Add</i>	586.46	
40 05 19 00-2111	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,565.02	340.18
		<i>For Class 52 Rating, Deduct</i>	-225.46	
		<i>For Class 54 Rating, Add</i>	313.63	
		<i>For Class 55 Rating, Add</i>	469.43	
		<i>For Class 56 Rating, Add</i>	623.19	
40 05 19 00-2112	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,695.08	344.38
		<i>For Class 52 Rating, Deduct</i>	-239.06	
		<i>For Class 54 Rating, Add</i>	332.26	
		<i>For Class 55 Rating, Add</i>	497.17	
		<i>For Class 56 Rating, Add</i>	659.91	
40 05 19 00-2113	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,825.16	348.58
		<i>For Class 52 Rating, Deduct</i>	-252.67	
		<i>For Class 54 Rating, Add</i>	350.89	
		<i>For Class 55 Rating, Add</i>	524.91	
		<i>For Class 56 Rating, Add</i>	696.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2114	EA			6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,955.23	352.78
				<i>For Class 52 Rating, Deduct</i>	-266.28	
				<i>For Class 54 Rating, Add</i>	369.52	
				<i>For Class 55 Rating, Add</i>	552.65	
				<i>For Class 56 Rating, Add</i>	733.35	
40 05 19 00-2115	EA			6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,085.31	356.97
				<i>For Class 52 Rating, Deduct</i>	-279.89	
				<i>For Class 54 Rating, Add</i>	388.16	
				<i>For Class 55 Rating, Add</i>	580.39	
				<i>For Class 56 Rating, Add</i>	770.08	
40 05 19 00-2116	EA			6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,215.37	361.18
				<i>For Class 52 Rating, Deduct</i>	-293.49	
				<i>For Class 54 Rating, Add</i>	406.79	
				<i>For Class 55 Rating, Add</i>	608.13	
				<i>For Class 56 Rating, Add</i>	806.80	
40 05 19 00-2117	EA			6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,345.44	365.37
				<i>For Class 52 Rating, Deduct</i>	-307.10	
				<i>For Class 54 Rating, Add</i>	425.42	
				<i>For Class 55 Rating, Add</i>	635.87	
				<i>For Class 56 Rating, Add</i>	843.52	
40 05 19 00-2118	EA			6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,475.52	369.58
				<i>For Class 52 Rating, Deduct</i>	-320.71	
				<i>For Class 54 Rating, Add</i>	444.05	
				<i>For Class 55 Rating, Add</i>	663.61	
				<i>For Class 56 Rating, Add</i>	880.25	
40 05 19 00-2119	EA			6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,605.58	373.77
				<i>For Class 52 Rating, Deduct</i>	-334.32	
				<i>For Class 54 Rating, Add</i>	462.68	
				<i>For Class 55 Rating, Add</i>	691.34	
				<i>For Class 56 Rating, Add</i>	916.97	
40 05 19 00-2120	EA			6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,735.65	377.98
				<i>For Class 52 Rating, Deduct</i>	-347.93	
				<i>For Class 54 Rating, Add</i>	481.32	
				<i>For Class 55 Rating, Add</i>	719.08	
				<i>For Class 56 Rating, Add</i>	953.69	
40 05 19 00-2121	EA			6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,865.73	382.18
				<i>For Class 52 Rating, Deduct</i>	-361.53	
				<i>For Class 54 Rating, Add</i>	499.95	
				<i>For Class 55 Rating, Add</i>	746.82	
				<i>For Class 56 Rating, Add</i>	990.41	
40 05 19 00-2122	EA			6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,995.79	386.37
				<i>For Class 52 Rating, Deduct</i>	-375.14	
				<i>For Class 54 Rating, Add</i>	518.58	
				<i>For Class 55 Rating, Add</i>	774.56	
				<i>For Class 56 Rating, Add</i>	1,027.13	
40 05 19 00-2123	EA			6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,125.86	390.58
				<i>For Class 52 Rating, Deduct</i>	-388.75	
				<i>For Class 54 Rating, Add</i>	537.21	
				<i>For Class 55 Rating, Add</i>	802.30	
				<i>For Class 56 Rating, Add</i>	1,063.86	
40 05 19 00-2124	EA			6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,255.94	394.77
				<i>For Class 52 Rating, Deduct</i>	-402.36	
				<i>For Class 54 Rating, Add</i>	555.85	
				<i>For Class 55 Rating, Add</i>	830.04	
				<i>For Class 56 Rating, Add</i>	1,100.58	
40 05 19 00-2125	EA			6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,386.00	398.98
				<i>For Class 52 Rating, Deduct</i>	-415.96	
				<i>For Class 54 Rating, Add</i>	574.48	
				<i>For Class 55 Rating, Add</i>	857.78	
				<i>For Class 56 Rating, Add</i>	1,137.30	
40 05 19 00-2126	EA			6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,516.07	403.17
				<i>For Class 52 Rating, Deduct</i>	-429.57	
				<i>For Class 54 Rating, Add</i>	593.11	
				<i>For Class 55 Rating, Add</i>	885.52	
				<i>For Class 56 Rating, Add</i>	1,174.03	
40 05 19 00-2127	EA			6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,646.15	407.38
				<i>For Class 52 Rating, Deduct</i>	-443.18	
				<i>For Class 54 Rating, Add</i>	611.74	
				<i>For Class 55 Rating, Add</i>	913.26	
				<i>For Class 56 Rating, Add</i>	1,210.75	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2128	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,776.22	411.57
			<i>For Class 52 Rating, Deduct</i>	-456.79	
			<i>For Class 54 Rating, Add</i>	630.38	
			<i>For Class 55 Rating, Add</i>	941.00	
			<i>For Class 56 Rating, Add</i>	1,247.47	
40 05 19 00-2129	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,906.28	415.77
			<i>For Class 52 Rating, Deduct</i>	-470.40	
			<i>For Class 54 Rating, Add</i>	649.01	
			<i>For Class 55 Rating, Add</i>	968.74	
			<i>For Class 56 Rating, Add</i>	1,284.19	
40 05 19 00-2130	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,036.36	419.97
			<i>For Class 52 Rating, Deduct</i>	-484.00	
			<i>For Class 54 Rating, Add</i>	667.64	
			<i>For Class 55 Rating, Add</i>	996.48	
			<i>For Class 56 Rating, Add</i>	1,320.92	
40 05 19 00-2131	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,166.43	424.17
			<i>For Class 52 Rating, Deduct</i>	-497.61	
			<i>For Class 54 Rating, Add</i>	686.27	
			<i>For Class 55 Rating, Add</i>	1,024.22	
			<i>For Class 56 Rating, Add</i>	1,357.64	
40 05 19 00-2132	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,296.49	428.38
			<i>For Class 52 Rating, Deduct</i>	-511.22	
			<i>For Class 54 Rating, Add</i>	704.90	
			<i>For Class 55 Rating, Add</i>	1,051.96	
			<i>For Class 56 Rating, Add</i>	1,394.36	
40 05 19 00-2133	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,426.57	432.57
			<i>For Class 52 Rating, Deduct</i>	-524.83	
			<i>For Class 54 Rating, Add</i>	723.54	
			<i>For Class 55 Rating, Add</i>	1,079.70	
			<i>For Class 56 Rating, Add</i>	1,431.08	
40 05 19 00-2134	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,556.64	436.78
			<i>For Class 52 Rating, Deduct</i>	-538.43	
			<i>For Class 54 Rating, Add</i>	742.17	
			<i>For Class 55 Rating, Add</i>	1,107.44	
			<i>For Class 56 Rating, Add</i>	1,467.81	
40 05 19 00-2135	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,686.69	440.97
			<i>For Class 52 Rating, Deduct</i>	-552.04	
			<i>For Class 54 Rating, Add</i>	760.80	
			<i>For Class 55 Rating, Add</i>	1,135.17	
			<i>For Class 56 Rating, Add</i>	1,504.53	
40 05 19 00-2136	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,816.77	445.17
			<i>For Class 52 Rating, Deduct</i>	-565.65	
			<i>For Class 54 Rating, Add</i>	779.43	
			<i>For Class 55 Rating, Add</i>	1,162.91	
			<i>For Class 56 Rating, Add</i>	1,541.25	
40 05 19 00-2137	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,946.84	449.37
			<i>For Class 52 Rating, Deduct</i>	-579.26	
			<i>For Class 54 Rating, Add</i>	798.07	
			<i>For Class 55 Rating, Add</i>	1,190.65	
			<i>For Class 56 Rating, Add</i>	1,577.98	
40 05 19 00-2138	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,076.90	453.57
			<i>For Class 52 Rating, Deduct</i>	-592.86	
			<i>For Class 54 Rating, Add</i>	816.70	
			<i>For Class 55 Rating, Add</i>	1,218.39	
			<i>For Class 56 Rating, Add</i>	1,614.70	
40 05 19 00-2139	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,206.98	457.77
			<i>For Class 52 Rating, Deduct</i>	-606.47	
			<i>For Class 54 Rating, Add</i>	835.33	
			<i>For Class 55 Rating, Add</i>	1,246.13	
			<i>For Class 56 Rating, Add</i>	1,651.42	
40 05 19 00-2140	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,337.05	461.97
			<i>For Class 52 Rating, Deduct</i>	-620.08	
			<i>For Class 54 Rating, Add</i>	853.96	
			<i>For Class 55 Rating, Add</i>	1,273.87	
			<i>For Class 56 Rating, Add</i>	1,688.14	

40 05 19 00-2141 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2142 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,937.76	386.37
For Class 52 Rating, Deduct	-148.76	
For Class 54 Rating, Add	209.88	
For Class 55 Rating, Add	315.62	
For Class 56 Rating, Add	420.02	
40 05 19 00-2143 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,104.38	390.58
For Class 52 Rating, Deduct	-166.39	
For Class 54 Rating, Add	233.99	
For Class 55 Rating, Add	351.51	
For Class 56 Rating, Add	467.52	
40 05 19 00-2144 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,271.00	394.77
For Class 52 Rating, Deduct	-184.01	
For Class 54 Rating, Add	258.11	
For Class 55 Rating, Add	387.40	
For Class 56 Rating, Add	515.02	
40 05 19 00-2145 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,437.62	398.98
For Class 52 Rating, Deduct	-201.64	
For Class 54 Rating, Add	282.22	
For Class 55 Rating, Add	423.29	
For Class 56 Rating, Add	562.53	
40 05 19 00-2146 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,604.24	403.17
For Class 52 Rating, Deduct	-219.27	
For Class 54 Rating, Add	306.34	
For Class 55 Rating, Add	459.18	
For Class 56 Rating, Add	610.04	
40 05 19 00-2147 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,770.86	407.38
For Class 52 Rating, Deduct	-236.90	
For Class 54 Rating, Add	330.45	
For Class 55 Rating, Add	495.07	
For Class 56 Rating, Add	657.54	
40 05 19 00-2148 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,937.48	411.57
For Class 52 Rating, Deduct	-254.53	
For Class 54 Rating, Add	354.57	
For Class 55 Rating, Add	530.96	
For Class 56 Rating, Add	705.04	
40 05 19 00-2149 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,104.10	415.77
For Class 52 Rating, Deduct	-272.16	
For Class 54 Rating, Add	378.68	
For Class 55 Rating, Add	566.85	
For Class 56 Rating, Add	752.55	
40 05 19 00-2150 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,270.72	419.97
For Class 52 Rating, Deduct	-289.78	
For Class 54 Rating, Add	402.79	
For Class 55 Rating, Add	602.74	
For Class 56 Rating, Add	800.05	
40 05 19 00-2151 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,437.34	424.17
For Class 52 Rating, Deduct	-307.41	
For Class 54 Rating, Add	426.91	
For Class 55 Rating, Add	638.63	
For Class 56 Rating, Add	847.56	
40 05 19 00-2152 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,603.96	428.38
For Class 52 Rating, Deduct	-325.04	
For Class 54 Rating, Add	451.03	
For Class 55 Rating, Add	674.52	
For Class 56 Rating, Add	895.06	
40 05 19 00-2153 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,770.58	432.57
For Class 52 Rating, Deduct	-342.67	
For Class 54 Rating, Add	475.14	
For Class 55 Rating, Add	710.41	
For Class 56 Rating, Add	942.57	
40 05 19 00-2154 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,937.20	436.78
For Class 52 Rating, Deduct	-360.30	
For Class 54 Rating, Add	499.25	
For Class 55 Rating, Add	746.30	
For Class 56 Rating, Add	990.07	
40 05 19 00-2155 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,103.81	440.97
For Class 52 Rating, Deduct	-377.92	
For Class 54 Rating, Add	523.37	
For Class 55 Rating, Add	782.19	
For Class 56 Rating, Add	1,037.58	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2156	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		4,270.43	445.17
		For Class 52 Rating, Deduct		-395.55	
		For Class 54 Rating, Add		547.48	
		For Class 55 Rating, Add		818.08	
		For Class 56 Rating, Add		1,085.08	
40 05 19 00-2157	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		4,437.05	449.37
		For Class 52 Rating, Deduct		-413.18	
		For Class 54 Rating, Add		571.60	
		For Class 55 Rating, Add		853.97	
		For Class 56 Rating, Add		1,132.59	
40 05 19 00-2158	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		4,603.67	453.57
		For Class 52 Rating, Deduct		-430.81	
		For Class 54 Rating, Add		595.71	
		For Class 55 Rating, Add		889.86	
		For Class 56 Rating, Add		1,180.09	
40 05 19 00-2159	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		4,770.29	457.77
		For Class 52 Rating, Deduct		-448.44	
		For Class 54 Rating, Add		619.83	
		For Class 55 Rating, Add		925.75	
		For Class 56 Rating, Add		1,227.60	
40 05 19 00-2160	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		4,936.91	461.97
		For Class 52 Rating, Deduct		-466.07	
		For Class 54 Rating, Add		643.94	
		For Class 55 Rating, Add		961.64	
		For Class 56 Rating, Add		1,275.10	
40 05 19 00-2161	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		5,103.54	466.17
		For Class 52 Rating, Deduct		-483.69	
		For Class 54 Rating, Add		668.06	
		For Class 55 Rating, Add		997.53	
		For Class 56 Rating, Add		1,322.61	
40 05 19 00-2162	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		5,270.15	470.37
		For Class 52 Rating, Deduct		-501.32	
		For Class 54 Rating, Add		692.17	
		For Class 55 Rating, Add		1,033.42	
		For Class 56 Rating, Add		1,370.11	
40 05 19 00-2163	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		5,436.77	474.56
		For Class 52 Rating, Deduct		-518.95	
		For Class 54 Rating, Add		716.29	
		For Class 55 Rating, Add		1,069.31	
		For Class 56 Rating, Add		1,417.62	
40 05 19 00-2164	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		5,603.40	478.77
		For Class 52 Rating, Deduct		-536.58	
		For Class 54 Rating, Add		740.40	
		For Class 55 Rating, Add		1,105.20	
		For Class 56 Rating, Add		1,465.12	
40 05 19 00-2165	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		5,770.01	482.97
		For Class 52 Rating, Deduct		-554.21	
		For Class 54 Rating, Add		764.52	
		For Class 55 Rating, Add		1,141.09	
		For Class 56 Rating, Add		1,512.62	
40 05 19 00-2166	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		5,936.63	487.17
		For Class 52 Rating, Deduct		-571.84	
		For Class 54 Rating, Add		788.63	
		For Class 55 Rating, Add		1,176.98	
		For Class 56 Rating, Add		1,560.13	
40 05 19 00-2167	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		6,103.26	491.37
		For Class 52 Rating, Deduct		-589.46	
		For Class 54 Rating, Add		812.75	
		For Class 55 Rating, Add		1,212.87	
		For Class 56 Rating, Add		1,607.64	
40 05 19 00-2168	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		6,269.87	495.57
		For Class 52 Rating, Deduct		-607.09	
		For Class 54 Rating, Add		836.86	
		For Class 55 Rating, Add		1,248.76	
		For Class 56 Rating, Add		1,655.14	
40 05 19 00-2169	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		6,436.49	499.77
		For Class 52 Rating, Deduct		-624.72	
		For Class 54 Rating, Add		860.98	
		For Class 55 Rating, Add		1,284.65	
		For Class 56 Rating, Add		1,702.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170	EA			8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,603.12	503.96
				<i>For Class 52 Rating, Deduct</i>	-642.35	
				<i>For Class 54 Rating, Add</i>	885.09	
				<i>For Class 55 Rating, Add</i>	1,320.54	
				<i>For Class 56 Rating, Add</i>	1,750.15	
40 05 19 00-2171	EA			8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,769.73	508.17
				<i>For Class 52 Rating, Deduct</i>	-659.98	
				<i>For Class 54 Rating, Add</i>	909.21	
				<i>For Class 55 Rating, Add</i>	1,356.43	
				<i>For Class 56 Rating, Add</i>	1,797.65	
40 05 19 00-2172	EA			8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,936.35	512.36
				<i>For Class 52 Rating, Deduct</i>	-677.60	
				<i>For Class 54 Rating, Add</i>	933.32	
				<i>For Class 55 Rating, Add</i>	1,392.32	
				<i>For Class 56 Rating, Add</i>	1,845.16	
40 05 19 00-2173	EA			8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,102.98	516.57
				<i>For Class 52 Rating, Deduct</i>	-695.23	
				<i>For Class 54 Rating, Add</i>	957.44	
				<i>For Class 55 Rating, Add</i>	1,428.21	
				<i>For Class 56 Rating, Add</i>	1,892.66	
40 05 19 00-2174	EA			8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,269.59	520.76
				<i>For Class 52 Rating, Deduct</i>	-712.86	
				<i>For Class 54 Rating, Add</i>	981.55	
				<i>For Class 55 Rating, Add</i>	1,464.10	
				<i>For Class 56 Rating, Add</i>	1,940.17	
40 05 19 00-2175	EA			8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,436.21	524.97
				<i>For Class 52 Rating, Deduct</i>	-730.49	
				<i>For Class 54 Rating, Add</i>	1,005.67	
				<i>For Class 55 Rating, Add</i>	1,499.99	
				<i>For Class 56 Rating, Add</i>	1,987.67	
40 05 19 00-2176	EA			8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,602.84	529.17
				<i>For Class 52 Rating, Deduct</i>	-748.12	
				<i>For Class 54 Rating, Add</i>	1,029.78	
				<i>For Class 55 Rating, Add</i>	1,535.88	
				<i>For Class 56 Rating, Add</i>	2,035.18	
40 05 19 00-2177	EA			8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,769.45	533.36
				<i>For Class 52 Rating, Deduct</i>	-765.75	
				<i>For Class 54 Rating, Add</i>	1,053.90	
				<i>For Class 55 Rating, Add</i>	1,571.77	
				<i>For Class 56 Rating, Add</i>	2,082.68	
40 05 19 00-2178	EA			8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,936.07	537.57
				<i>For Class 52 Rating, Deduct</i>	-783.37	
				<i>For Class 54 Rating, Add</i>	1,078.01	
				<i>For Class 55 Rating, Add</i>	1,607.66	
				<i>For Class 56 Rating, Add</i>	2,130.19	
40 05 19 00-2179	EA			8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,102.70	541.76
				<i>For Class 52 Rating, Deduct</i>	-801.00	
				<i>For Class 54 Rating, Add</i>	1,102.13	
				<i>For Class 55 Rating, Add</i>	1,643.55	
				<i>For Class 56 Rating, Add</i>	2,177.69	
40 05 19 00-2180	EA			8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,269.31	545.97
				<i>For Class 52 Rating, Deduct</i>	-818.63	
				<i>For Class 54 Rating, Add</i>	1,126.24	
				<i>For Class 55 Rating, Add</i>	1,679.44	
				<i>For Class 56 Rating, Add</i>	2,225.20	
40 05 19 00-2181				10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2182	EA			10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,444.58	470.37
				<i>For Class 52 Rating, Deduct</i>	-190.51	
				<i>For Class 54 Rating, Add</i>	268.34	
				<i>For Class 55 Rating, Add</i>	403.32	
				<i>For Class 56 Rating, Add</i>	536.57	
40 05 19 00-2183	EA			10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,658.99	474.56
				<i>For Class 52 Rating, Deduct</i>	-213.39	
				<i>For Class 54 Rating, Add</i>	299.62	
				<i>For Class 55 Rating, Add</i>	449.87	
				<i>For Class 56 Rating, Add</i>	598.17	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2184	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,873.41	478.77
		<i>For Class 52 Rating, Deduct</i>		-236.28	
		<i>For Class 54 Rating, Add</i>		330.90	
		<i>For Class 55 Rating, Add</i>		496.41	
		<i>For Class 56 Rating, Add</i>		659.77	
40 05 19 00-2185	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,087.82	482.97
		<i>For Class 52 Rating, Deduct</i>		-259.17	
		<i>For Class 54 Rating, Add</i>		362.19	
		<i>For Class 55 Rating, Add</i>		542.96	
		<i>For Class 56 Rating, Add</i>		721.38	
40 05 19 00-2186	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,302.24	487.17
		<i>For Class 52 Rating, Deduct</i>		-282.05	
		<i>For Class 54 Rating, Add</i>		393.47	
		<i>For Class 55 Rating, Add</i>		589.51	
		<i>For Class 56 Rating, Add</i>		782.99	
40 05 19 00-2187	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,516.66	491.37
		<i>For Class 52 Rating, Deduct</i>		-304.94	
		<i>For Class 54 Rating, Add</i>		424.76	
		<i>For Class 55 Rating, Add</i>		636.06	
		<i>For Class 56 Rating, Add</i>		844.59	
40 05 19 00-2188	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,731.07	495.57
		<i>For Class 52 Rating, Deduct</i>		-327.82	
		<i>For Class 54 Rating, Add</i>		456.04	
		<i>For Class 55 Rating, Add</i>		682.61	
		<i>For Class 56 Rating, Add</i>		906.19	
40 05 19 00-2189	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,945.48	499.77
		<i>For Class 52 Rating, Deduct</i>		-350.71	
		<i>For Class 54 Rating, Add</i>		487.33	
		<i>For Class 55 Rating, Add</i>		729.16	
		<i>For Class 56 Rating, Add</i>		967.80	
40 05 19 00-2190	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,159.91	503.96
		<i>For Class 52 Rating, Deduct</i>		-373.60	
		<i>For Class 54 Rating, Add</i>		518.61	
		<i>For Class 55 Rating, Add</i>		775.71	
		<i>For Class 56 Rating, Add</i>		1,029.40	
40 05 19 00-2191	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,374.32	508.17
		<i>For Class 52 Rating, Deduct</i>		-396.48	
		<i>For Class 54 Rating, Add</i>		549.89	
		<i>For Class 55 Rating, Add</i>		822.25	
		<i>For Class 56 Rating, Add</i>		1,091.01	
40 05 19 00-2192	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,588.73	512.36
		<i>For Class 52 Rating, Deduct</i>		-419.37	
		<i>For Class 54 Rating, Add</i>		581.18	
		<i>For Class 55 Rating, Add</i>		868.80	
		<i>For Class 56 Rating, Add</i>		1,152.61	
40 05 19 00-2193	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,803.15	516.57
		<i>For Class 52 Rating, Deduct</i>		-442.25	
		<i>For Class 54 Rating, Add</i>		612.46	
		<i>For Class 55 Rating, Add</i>		915.35	
		<i>For Class 56 Rating, Add</i>		1,214.22	
40 05 19 00-2194	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,017.57	520.76
		<i>For Class 52 Rating, Deduct</i>		-465.14	
		<i>For Class 54 Rating, Add</i>		643.75	
		<i>For Class 55 Rating, Add</i>		961.90	
		<i>For Class 56 Rating, Add</i>		1,275.82	
40 05 19 00-2195	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,231.98	524.97
		<i>For Class 52 Rating, Deduct</i>		-488.02	
		<i>For Class 54 Rating, Add</i>		675.03	
		<i>For Class 55 Rating, Add</i>		1,008.45	
		<i>For Class 56 Rating, Add</i>		1,337.43	
40 05 19 00-2196	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,446.40	529.17
		<i>For Class 52 Rating, Deduct</i>		-510.91	
		<i>For Class 54 Rating, Add</i>		706.32	
		<i>For Class 55 Rating, Add</i>		1,054.99	
		<i>For Class 56 Rating, Add</i>		1,399.03	
40 05 19 00-2197	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,660.81	533.36
		<i>For Class 52 Rating, Deduct</i>		-533.79	
		<i>For Class 54 Rating, Add</i>		737.60	
		<i>For Class 55 Rating, Add</i>		1,101.54	
		<i>For Class 56 Rating, Add</i>		1,460.63	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19 40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2198 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,875.23	537.57
<i>For Class 52 Rating, Deduct</i>	-556.68	
<i>For Class 54 Rating, Add</i>	768.88	
<i>For Class 55 Rating, Add</i>	1,148.09	
<i>For Class 56 Rating, Add</i>	1,522.24	
40 05 19 00-2199 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,089.65	541.76
<i>For Class 52 Rating, Deduct</i>	-579.57	
<i>For Class 54 Rating, Add</i>	800.17	
<i>For Class 55 Rating, Add</i>	1,194.64	
<i>For Class 56 Rating, Add</i>	1,583.84	
40 05 19 00-2200 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,304.06	545.97
<i>For Class 52 Rating, Deduct</i>	-602.45	
<i>For Class 54 Rating, Add</i>	831.45	
<i>For Class 55 Rating, Add</i>	1,241.19	
<i>For Class 56 Rating, Add</i>	1,645.45	
40 05 19 00-2201 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,518.47	550.16
<i>For Class 52 Rating, Deduct</i>	-625.34	
<i>For Class 54 Rating, Add</i>	862.74	
<i>For Class 55 Rating, Add</i>	1,287.74	
<i>For Class 56 Rating, Add</i>	1,707.05	
40 05 19 00-2202 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,732.90	554.37
<i>For Class 52 Rating, Deduct</i>	-648.22	
<i>For Class 54 Rating, Add</i>	894.02	
<i>For Class 55 Rating, Add</i>	1,334.29	
<i>For Class 56 Rating, Add</i>	1,768.66	
40 05 19 00-2203 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,947.31	558.56
<i>For Class 52 Rating, Deduct</i>	-671.11	
<i>For Class 54 Rating, Add</i>	925.31	
<i>For Class 55 Rating, Add</i>	1,380.83	
<i>For Class 56 Rating, Add</i>	1,830.26	
40 05 19 00-2204 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,161.73	562.77
<i>For Class 52 Rating, Deduct</i>	-694.00	
<i>For Class 54 Rating, Add</i>	956.59	
<i>For Class 55 Rating, Add</i>	1,427.38	
<i>For Class 56 Rating, Add</i>	1,891.87	
40 05 19 00-2205 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,376.14	566.96
<i>For Class 52 Rating, Deduct</i>	-716.88	
<i>For Class 54 Rating, Add</i>	987.87	
<i>For Class 55 Rating, Add</i>	1,473.93	
<i>For Class 56 Rating, Add</i>	1,953.47	
40 05 19 00-2206 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,590.56	571.16
<i>For Class 52 Rating, Deduct</i>	-739.77	
<i>For Class 54 Rating, Add</i>	1,019.16	
<i>For Class 55 Rating, Add</i>	1,520.48	
<i>For Class 56 Rating, Add</i>	2,015.08	
40 05 19 00-2207 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,804.98	575.37
<i>For Class 52 Rating, Deduct</i>	-762.65	
<i>For Class 54 Rating, Add</i>	1,050.44	
<i>For Class 55 Rating, Add</i>	1,567.03	
<i>For Class 56 Rating, Add</i>	2,076.68	
40 05 19 00-2208 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,019.39	579.56
<i>For Class 52 Rating, Deduct</i>	-785.54	
<i>For Class 54 Rating, Add</i>	1,081.73	
<i>For Class 55 Rating, Add</i>	1,613.58	
<i>For Class 56 Rating, Add</i>	2,138.28	
40 05 19 00-2209 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,233.80	583.77
<i>For Class 52 Rating, Deduct</i>	-808.42	
<i>For Class 54 Rating, Add</i>	1,113.01	
<i>For Class 55 Rating, Add</i>	1,660.12	
<i>For Class 56 Rating, Add</i>	2,199.89	
40 05 19 00-2210 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,448.23	587.96
<i>For Class 52 Rating, Deduct</i>	-831.31	
<i>For Class 54 Rating, Add</i>	1,144.30	
<i>For Class 55 Rating, Add</i>	1,706.67	
<i>For Class 56 Rating, Add</i>	2,261.50	
40 05 19 00-2211 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,662.64	592.17
<i>For Class 52 Rating, Deduct</i>	-854.20	
<i>For Class 54 Rating, Add</i>	1,175.58	
<i>For Class 55 Rating, Add</i>	1,753.22	
<i>For Class 56 Rating, Add</i>	2,323.10	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2212	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,877.05	596.36
			<i>For Class 52 Rating, Deduct</i>	-877.08	
			<i>For Class 54 Rating, Add</i>	1,206.86	
			<i>For Class 55 Rating, Add</i>	1,799.77	
			<i>For Class 56 Rating, Add</i>	2,384.70	
40 05 19 00-2213	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,091.47	600.56
			<i>For Class 52 Rating, Deduct</i>	-899.97	
			<i>For Class 54 Rating, Add</i>	1,238.15	
			<i>For Class 55 Rating, Add</i>	1,846.32	
			<i>For Class 56 Rating, Add</i>	2,446.31	
40 05 19 00-2214	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,305.89	604.76
			<i>For Class 52 Rating, Deduct</i>	-922.85	
			<i>For Class 54 Rating, Add</i>	1,269.43	
			<i>For Class 55 Rating, Add</i>	1,892.87	
			<i>For Class 56 Rating, Add</i>	2,507.91	
40 05 19 00-2215	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,520.30	608.96
			<i>For Class 52 Rating, Deduct</i>	-945.74	
			<i>For Class 54 Rating, Add</i>	1,300.72	
			<i>For Class 55 Rating, Add</i>	1,939.42	
			<i>For Class 56 Rating, Add</i>	2,569.52	
40 05 19 00-2216	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,734.72	613.16
			<i>For Class 52 Rating, Deduct</i>	-968.62	
			<i>For Class 54 Rating, Add</i>	1,332.00	
			<i>For Class 55 Rating, Add</i>	1,985.96	
			<i>For Class 56 Rating, Add</i>	2,631.12	
40 05 19 00-2217	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,949.12	617.36
			<i>For Class 52 Rating, Deduct</i>	-991.51	
			<i>For Class 54 Rating, Add</i>	1,363.28	
			<i>For Class 55 Rating, Add</i>	2,032.51	
			<i>For Class 56 Rating, Add</i>	2,692.72	
40 05 19 00-2218	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,163.54	621.57
			<i>For Class 52 Rating, Deduct</i>	-1,014.40	
			<i>For Class 54 Rating, Add</i>	1,394.57	
			<i>For Class 55 Rating, Add</i>	2,079.06	
			<i>For Class 56 Rating, Add</i>	2,754.33	
40 05 19 00-2219	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,377.96	625.76
			<i>For Class 52 Rating, Deduct</i>	-1,037.28	
			<i>For Class 54 Rating, Add</i>	1,425.85	
			<i>For Class 55 Rating, Add</i>	2,125.61	
			<i>For Class 56 Rating, Add</i>	2,815.94	
40 05 19 00-2220	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,592.37	629.96
			<i>For Class 52 Rating, Deduct</i>	-1,060.17	
			<i>For Class 54 Rating, Add</i>	1,457.14	
			<i>For Class 55 Rating, Add</i>	2,172.16	
			<i>For Class 56 Rating, Add</i>	2,877.54	
40 05 19 00-2221			12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2222	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,196.31	587.96
			<i>For Class 52 Rating, Deduct</i>	-253.60	
			<i>For Class 54 Rating, Add</i>	356.51	
			<i>For Class 55 Rating, Add</i>	535.50	
			<i>For Class 56 Rating, Add</i>	712.18	
40 05 19 00-2223	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,461.33	592.17
			<i>For Class 52 Rating, Deduct</i>	-282.05	
			<i>For Class 54 Rating, Add</i>	395.38	
			<i>For Class 55 Rating, Add</i>	593.33	
			<i>For Class 56 Rating, Add</i>	788.71	
40 05 19 00-2224	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,726.35	596.36
			<i>For Class 52 Rating, Deduct</i>	-310.50	
			<i>For Class 54 Rating, Add</i>	434.26	
			<i>For Class 55 Rating, Add</i>	651.16	
			<i>For Class 56 Rating, Add</i>	865.25	
40 05 19 00-2225	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,991.38	600.56
			<i>For Class 52 Rating, Deduct</i>	-338.96	
			<i>For Class 54 Rating, Add</i>	473.13	
			<i>For Class 55 Rating, Add</i>	709.00	
			<i>For Class 56 Rating, Add</i>	941.78	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2226 EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,256.40	604.76
<i>For Class 52 Rating, Deduct</i>	-367.41	
<i>For Class 54 Rating, Add</i>	512.01	
<i>For Class 55 Rating, Add</i>	766.83	
<i>For Class 56 Rating, Add</i>	1,018.31	
40 05 19 00-2227 EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,521.42	608.96
<i>For Class 52 Rating, Deduct</i>	-395.86	
<i>For Class 54 Rating, Add</i>	550.88	
<i>For Class 55 Rating, Add</i>	824.67	
<i>For Class 56 Rating, Add</i>	1,094.85	
40 05 19 00-2228 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,786.45	613.16
<i>For Class 52 Rating, Deduct</i>	-424.32	
<i>For Class 54 Rating, Add</i>	589.76	
<i>For Class 55 Rating, Add</i>	882.50	
<i>For Class 56 Rating, Add</i>	1,171.38	
40 05 19 00-2229 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,051.46	617.36
<i>For Class 52 Rating, Deduct</i>	-452.77	
<i>For Class 54 Rating, Add</i>	628.64	
<i>For Class 55 Rating, Add</i>	940.33	
<i>For Class 56 Rating, Add</i>	1,247.91	
40 05 19 00-2230 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,316.48	621.57
<i>For Class 52 Rating, Deduct</i>	-481.22	
<i>For Class 54 Rating, Add</i>	667.51	
<i>For Class 55 Rating, Add</i>	998.17	
<i>For Class 56 Rating, Add</i>	1,324.45	
40 05 19 00-2231 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,581.50	625.76
<i>For Class 52 Rating, Deduct</i>	-509.67	
<i>For Class 54 Rating, Add</i>	706.38	
<i>For Class 55 Rating, Add</i>	1,056.00	
<i>For Class 56 Rating, Add</i>	1,400.98	
40 05 19 00-2232 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,846.52	629.96
<i>For Class 52 Rating, Deduct</i>	-538.12	
<i>For Class 54 Rating, Add</i>	745.26	
<i>For Class 55 Rating, Add</i>	1,113.83	
<i>For Class 56 Rating, Add</i>	1,477.51	
40 05 19 00-2233 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,111.54	634.16
<i>For Class 52 Rating, Deduct</i>	-566.58	
<i>For Class 54 Rating, Add</i>	784.14	
<i>For Class 55 Rating, Add</i>	1,171.67	
<i>For Class 56 Rating, Add</i>	1,554.05	
40 05 19 00-2234 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,376.57	638.36
<i>For Class 52 Rating, Deduct</i>	-595.03	
<i>For Class 54 Rating, Add</i>	823.01	
<i>For Class 55 Rating, Add</i>	1,229.50	
<i>For Class 56 Rating, Add</i>	1,630.58	
40 05 19 00-2235 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,641.59	642.56
<i>For Class 52 Rating, Deduct</i>	-623.48	
<i>For Class 54 Rating, Add</i>	861.89	
<i>For Class 55 Rating, Add</i>	1,287.33	
<i>For Class 56 Rating, Add</i>	1,707.11	
40 05 19 00-2236 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,906.61	646.76
<i>For Class 52 Rating, Deduct</i>	-651.93	
<i>For Class 54 Rating, Add</i>	900.76	
<i>For Class 55 Rating, Add</i>	1,345.17	
<i>For Class 56 Rating, Add</i>	1,783.65	
40 05 19 00-2237 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,171.64	650.96
<i>For Class 52 Rating, Deduct</i>	-680.39	
<i>For Class 54 Rating, Add</i>	939.64	
<i>For Class 55 Rating, Add</i>	1,403.00	
<i>For Class 56 Rating, Add</i>	1,860.18	
40 05 19 00-2238 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,436.66	655.16
<i>For Class 52 Rating, Deduct</i>	-708.84	
<i>For Class 54 Rating, Add</i>	978.51	
<i>For Class 55 Rating, Add</i>	1,460.84	
<i>For Class 56 Rating, Add</i>	1,936.72	
40 05 19 00-2239 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,701.68	659.35
<i>For Class 52 Rating, Deduct</i>	-737.29	
<i>For Class 54 Rating, Add</i>	1,017.39	
<i>For Class 55 Rating, Add</i>	1,518.67	
<i>For Class 56 Rating, Add</i>	2,013.25	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2240	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,966.71		663.56
		<i>For Class 52 Rating, Deduct</i>	-765.75		
		<i>For Class 54 Rating, Add</i>	1,056.26		
		<i>For Class 55 Rating, Add</i>	1,576.50		
		<i>For Class 56 Rating, Add</i>	2,089.78		
40 05 19 00-2241	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,231.73		667.76
		<i>For Class 52 Rating, Deduct</i>	-794.20		
		<i>For Class 54 Rating, Add</i>	1,095.14		
		<i>For Class 55 Rating, Add</i>	1,634.34		
		<i>For Class 56 Rating, Add</i>	2,166.32		
40 05 19 00-2242	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,496.76		671.96
		<i>For Class 52 Rating, Deduct</i>	-822.65		
		<i>For Class 54 Rating, Add</i>	1,134.01		
		<i>For Class 55 Rating, Add</i>	1,692.17		
		<i>For Class 56 Rating, Add</i>	2,242.85		
40 05 19 00-2243	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,761.78		676.16
		<i>For Class 52 Rating, Deduct</i>	-851.10		
		<i>For Class 54 Rating, Add</i>	1,172.89		
		<i>For Class 55 Rating, Add</i>	1,750.01		
		<i>For Class 56 Rating, Add</i>	2,319.38		
40 05 19 00-2244	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,026.80		680.36
		<i>For Class 52 Rating, Deduct</i>	-879.56		
		<i>For Class 54 Rating, Add</i>	1,211.76		
		<i>For Class 55 Rating, Add</i>	1,807.84		
		<i>For Class 56 Rating, Add</i>	2,395.92		
40 05 19 00-2245	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,291.83		684.56
		<i>For Class 52 Rating, Deduct</i>	-908.01		
		<i>For Class 54 Rating, Add</i>	1,250.64		
		<i>For Class 55 Rating, Add</i>	1,865.67		
		<i>For Class 56 Rating, Add</i>	2,472.45		
40 05 19 00-2246	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,554.04		688.75
		<i>For Class 52 Rating, Deduct</i>	-936.15		
		<i>For Class 54 Rating, Add</i>	1,289.09		
		<i>For Class 55 Rating, Add</i>	1,922.88		
		<i>For Class 56 Rating, Add</i>	2,548.16		
40 05 19 00-2247	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,821.87		692.96
		<i>For Class 52 Rating, Deduct</i>	-964.91		
		<i>For Class 54 Rating, Add</i>	1,328.39		
		<i>For Class 55 Rating, Add</i>	1,981.34		
		<i>For Class 56 Rating, Add</i>	2,625.52		
40 05 19 00-2248	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,086.90		697.15
		<i>For Class 52 Rating, Deduct</i>	-993.37		
		<i>For Class 54 Rating, Add</i>	1,367.27		
		<i>For Class 55 Rating, Add</i>	2,039.18		
		<i>For Class 56 Rating, Add</i>	2,702.05		
40 05 19 00-2249	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,351.92		701.36
		<i>For Class 52 Rating, Deduct</i>	-1,021.82		
		<i>For Class 54 Rating, Add</i>	1,406.14		
		<i>For Class 55 Rating, Add</i>	2,097.01		
		<i>For Class 56 Rating, Add</i>	2,778.59		
40 05 19 00-2250	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,616.94		705.55
		<i>For Class 52 Rating, Deduct</i>	-1,050.27		
		<i>For Class 54 Rating, Add</i>	1,445.02		
		<i>For Class 55 Rating, Add</i>	2,154.84		
		<i>For Class 56 Rating, Add</i>	2,855.12		
40 05 19 00-2251	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,881.97		709.76
		<i>For Class 52 Rating, Deduct</i>	-1,078.72		
		<i>For Class 54 Rating, Add</i>	1,483.89		
		<i>For Class 55 Rating, Add</i>	2,212.68		
		<i>For Class 56 Rating, Add</i>	2,931.66		
40 05 19 00-2252	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,146.99		713.96
		<i>For Class 52 Rating, Deduct</i>	-1,107.18		
		<i>For Class 54 Rating, Add</i>	1,522.77		
		<i>For Class 55 Rating, Add</i>	2,270.51		
		<i>For Class 56 Rating, Add</i>	3,008.19		
40 05 19 00-2253	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,412.01		718.15
		<i>For Class 52 Rating, Deduct</i>	-1,135.63		
		<i>For Class 54 Rating, Add</i>	1,561.64		
		<i>For Class 55 Rating, Add</i>	2,328.34		
		<i>For Class 56 Rating, Add</i>	3,084.72		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2254 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,677.04	722.36
<i>For Class 52 Rating, Deduct</i>	-1,164.08	
<i>For Class 54 Rating, Add</i>	1,600.52	
<i>For Class 55 Rating, Add</i>	2,386.18	
<i>For Class 56 Rating, Add</i>	3,161.26	
40 05 19 00-2255 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,942.06	726.55
<i>For Class 52 Rating, Deduct</i>	-1,192.53	
<i>For Class 54 Rating, Add</i>	1,639.39	
<i>For Class 55 Rating, Add</i>	2,444.01	
<i>For Class 56 Rating, Add</i>	3,237.79	
40 05 19 00-2256 EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,207.08	730.76
<i>For Class 52 Rating, Deduct</i>	-1,220.99	
<i>For Class 54 Rating, Add</i>	1,678.27	
<i>For Class 55 Rating, Add</i>	2,501.85	
<i>For Class 56 Rating, Add</i>	3,314.32	
40 05 19 00-2257 EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,472.11	734.95
<i>For Class 52 Rating, Deduct</i>	-1,249.44	
<i>For Class 54 Rating, Add</i>	1,717.14	
<i>For Class 55 Rating, Add</i>	2,559.68	
<i>For Class 56 Rating, Add</i>	3,390.86	
40 05 19 00-2258 EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,737.13	739.16
<i>For Class 52 Rating, Deduct</i>	-1,277.89	
<i>For Class 54 Rating, Add</i>	1,756.02	
<i>For Class 55 Rating, Add</i>	2,617.51	
<i>For Class 56 Rating, Add</i>	3,467.39	
40 05 19 00-2259 EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,002.15	743.35
<i>For Class 52 Rating, Deduct</i>	-1,306.34	
<i>For Class 54 Rating, Add</i>	1,794.89	
<i>For Class 55 Rating, Add</i>	2,675.35	
<i>For Class 56 Rating, Add</i>	3,543.93	
40 05 19 00-2260 EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,267.18	747.55
<i>For Class 52 Rating, Deduct</i>	-1,334.80	
<i>For Class 54 Rating, Add</i>	1,833.77	
<i>For Class 55 Rating, Add</i>	2,733.18	
<i>For Class 56 Rating, Add</i>	3,620.46	
40 05 19 00-2261 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2262 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,276.96	705.55
<i>For Class 52 Rating, Deduct</i>	-352.87	
<i>For Class 54 Rating, Add</i>	494.02	
<i>For Class 55 Rating, Add</i>	741.03	
<i>For Class 56 Rating, Add</i>	984.83	
40 05 19 00-2263 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,598.22	709.76
<i>For Class 52 Rating, Deduct</i>	-387.51	
<i>For Class 54 Rating, Add</i>	541.33	
<i>For Class 55 Rating, Add</i>	811.40	
<i>For Class 56 Rating, Add</i>	1,077.95	
40 05 19 00-2264 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,919.47	713.96
<i>For Class 52 Rating, Deduct</i>	-422.15	
<i>For Class 54 Rating, Add</i>	588.64	
<i>For Class 55 Rating, Add</i>	881.77	
<i>For Class 56 Rating, Add</i>	1,171.07	
40 05 19 00-2265 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,240.73	718.15
<i>For Class 52 Rating, Deduct</i>	-456.79	
<i>For Class 54 Rating, Add</i>	635.95	
<i>For Class 55 Rating, Add</i>	952.15	
<i>For Class 56 Rating, Add</i>	1,264.19	
40 05 19 00-2266 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,561.99	722.36
<i>For Class 52 Rating, Deduct</i>	-491.43	
<i>For Class 54 Rating, Add</i>	683.26	
<i>For Class 55 Rating, Add</i>	1,022.52	
<i>For Class 56 Rating, Add</i>	1,357.32	
40 05 19 00-2267 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,883.24	726.55
<i>For Class 52 Rating, Deduct</i>	-526.06	
<i>For Class 54 Rating, Add</i>	730.57	
<i>For Class 55 Rating, Add</i>	1,092.90	
<i>For Class 56 Rating, Add</i>	1,450.44	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2268	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		6,204.49	730.76
		For Class 52 Rating, Deduct		-560.70	
		For Class 54 Rating, Add		777.88	
		For Class 55 Rating, Add		1,163.27	
		For Class 56 Rating, Add		1,543.56	
40 05 19 00-2269	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		6,525.75	734.95
		For Class 52 Rating, Deduct		-595.34	
		For Class 54 Rating, Add		825.19	
		For Class 55 Rating, Add		1,233.64	
		For Class 56 Rating, Add		1,636.68	
40 05 19 00-2270	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		6,847.00	739.16
		For Class 52 Rating, Deduct		-629.98	
		For Class 54 Rating, Add		872.50	
		For Class 55 Rating, Add		1,304.01	
		For Class 56 Rating, Add		1,729.80	
40 05 19 00-2271	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		7,168.25	743.35
		For Class 52 Rating, Deduct		-664.62	
		For Class 54 Rating, Add		919.81	
		For Class 55 Rating, Add		1,374.39	
		For Class 56 Rating, Add		1,822.92	
40 05 19 00-2272	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		7,489.51	747.55
		For Class 52 Rating, Deduct		-699.25	
		For Class 54 Rating, Add		967.12	
		For Class 55 Rating, Add		1,444.76	
		For Class 56 Rating, Add		1,916.05	
40 05 19 00-2273	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		7,810.76	751.75
		For Class 52 Rating, Deduct		-733.89	
		For Class 54 Rating, Add		1,014.43	
		For Class 55 Rating, Add		1,515.13	
		For Class 56 Rating, Add		2,009.17	
40 05 19 00-2274	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		8,132.01	755.95
		For Class 52 Rating, Deduct		-768.53	
		For Class 54 Rating, Add		1,061.74	
		For Class 55 Rating, Add		1,585.51	
		For Class 56 Rating, Add		2,102.29	
40 05 19 00-2275	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		8,453.27	760.16
		For Class 52 Rating, Deduct		-803.17	
		For Class 54 Rating, Add		1,109.05	
		For Class 55 Rating, Add		1,655.88	
		For Class 56 Rating, Add		2,195.41	
40 05 19 00-2276	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		8,774.52	764.35
		For Class 52 Rating, Deduct		-837.81	
		For Class 54 Rating, Add		1,156.36	
		For Class 55 Rating, Add		1,726.25	
		For Class 56 Rating, Add		2,288.53	
40 05 19 00-2277	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		9,095.78	768.56
		For Class 52 Rating, Deduct		-872.44	
		For Class 54 Rating, Add		1,203.67	
		For Class 55 Rating, Add		1,796.63	
		For Class 56 Rating, Add		2,381.65	
40 05 19 00-2278	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		9,417.03	772.75
		For Class 52 Rating, Deduct		-907.08	
		For Class 54 Rating, Add		1,250.98	
		For Class 55 Rating, Add		1,867.00	
		For Class 56 Rating, Add		2,474.78	
40 05 19 00-2279	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe		9,738.28	776.95
		For Class 52 Rating, Deduct		-941.72	
		For Class 54 Rating, Add		1,298.29	
		For Class 55 Rating, Add		1,937.37	
		For Class 56 Rating, Add		2,567.90	
40 05 19 00-2280	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe			
		Pipe		10,059.54	781.15
		For Class 52 Rating, Deduct		-976.36	
		For Class 54 Rating, Add		1,345.60	
		For Class 55 Rating, Add		2,007.75	
		For Class 56 Rating, Add		2,661.02	
40 05 19 00-2281	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe			
		Pipe		10,380.79	785.35
		For Class 52 Rating, Deduct		-1,010.99	
		For Class 54 Rating, Add		1,392.91	
		For Class 55 Rating, Add		2,078.12	
		For Class 56 Rating, Add		2,754.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2282 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,702.04	789.55
<i>For Class 52 Rating, Deduct</i>	-1,045.63	
<i>For Class 54 Rating, Add</i>	1,440.22	
<i>For Class 55 Rating, Add</i>	2,148.49	
<i>For Class 56 Rating, Add</i>	2,847.26	
40 05 19 00-2283 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,023.29	793.75
<i>For Class 52 Rating, Deduct</i>	-1,080.27	
<i>For Class 54 Rating, Add</i>	1,487.53	
<i>For Class 55 Rating, Add</i>	2,218.87	
<i>For Class 56 Rating, Add</i>	2,940.38	
40 05 19 00-2284 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,344.54	797.95
<i>For Class 52 Rating, Deduct</i>	-1,114.91	
<i>For Class 54 Rating, Add</i>	1,534.84	
<i>For Class 55 Rating, Add</i>	2,289.24	
<i>For Class 56 Rating, Add</i>	3,033.51	
40 05 19 00-2285 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,665.79	802.15
<i>For Class 52 Rating, Deduct</i>	-1,149.55	
<i>For Class 54 Rating, Add</i>	1,582.15	
<i>For Class 55 Rating, Add</i>	2,359.61	
<i>For Class 56 Rating, Add</i>	3,126.63	
40 05 19 00-2286 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,987.05	806.34
<i>For Class 52 Rating, Deduct</i>	-1,184.18	
<i>For Class 54 Rating, Add</i>	1,629.46	
<i>For Class 55 Rating, Add</i>	2,429.99	
<i>For Class 56 Rating, Add</i>	3,219.75	
40 05 19 00-2287 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,308.30	810.55
<i>For Class 52 Rating, Deduct</i>	-1,218.82	
<i>For Class 54 Rating, Add</i>	1,676.77	
<i>For Class 55 Rating, Add</i>	2,500.36	
<i>For Class 56 Rating, Add</i>	3,312.87	
40 05 19 00-2288 EA 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,629.55	814.75
<i>For Class 52 Rating, Deduct</i>	-1,253.46	
<i>For Class 54 Rating, Add</i>	1,724.08	
<i>For Class 55 Rating, Add</i>	2,570.73	
<i>For Class 56 Rating, Add</i>	3,405.99	
40 05 19 00-2289 EA 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,950.81	818.95
<i>For Class 52 Rating, Deduct</i>	-1,288.10	
<i>For Class 54 Rating, Add</i>	1,771.39	
<i>For Class 55 Rating, Add</i>	2,641.11	
<i>For Class 56 Rating, Add</i>	3,499.11	
40 05 19 00-2290 EA 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,272.06	823.15
<i>For Class 52 Rating, Deduct</i>	-1,322.74	
<i>For Class 54 Rating, Add</i>	1,818.70	
<i>For Class 55 Rating, Add</i>	2,711.48	
<i>For Class 56 Rating, Add</i>	3,592.24	
40 05 19 00-2291 EA 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,593.31	827.35
<i>For Class 52 Rating, Deduct</i>	-1,357.37	
<i>For Class 54 Rating, Add</i>	1,866.01	
<i>For Class 55 Rating, Add</i>	2,781.85	
<i>For Class 56 Rating, Add</i>	3,685.36	
40 05 19 00-2292 EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,914.57	831.55
<i>For Class 52 Rating, Deduct</i>	-1,392.01	
<i>For Class 54 Rating, Add</i>	1,913.32	
<i>For Class 55 Rating, Add</i>	2,852.23	
<i>For Class 56 Rating, Add</i>	3,778.48	
40 05 19 00-2293 EA 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,235.82	835.74
<i>For Class 52 Rating, Deduct</i>	-1,426.65	
<i>For Class 54 Rating, Add</i>	1,960.63	
<i>For Class 55 Rating, Add</i>	2,922.60	
<i>For Class 56 Rating, Add</i>	3,871.60	
40 05 19 00-2294 EA 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,557.07	839.95
<i>For Class 52 Rating, Deduct</i>	-1,461.29	
<i>For Class 54 Rating, Add</i>	2,007.94	
<i>For Class 55 Rating, Add</i>	2,992.97	
<i>For Class 56 Rating, Add</i>	3,964.72	
40 05 19 00-2295 EA 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,878.33	844.14
<i>For Class 52 Rating, Deduct</i>	-1,495.93	
<i>For Class 54 Rating, Add</i>	2,055.25	
<i>For Class 55 Rating, Add</i>	3,063.34	
<i>For Class 56 Rating, Add</i>	4,057.84	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2296	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,199.58	848.35
			For Class 52 Rating, Deduct	-1,530.56	
			For Class 54 Rating, Add	2,102.56	
			For Class 55 Rating, Add	3,133.72	
			For Class 56 Rating, Add	4,150.97	
40 05 19 00-2297	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,520.83	852.54
			For Class 52 Rating, Deduct	-1,565.20	
			For Class 54 Rating, Add	2,149.87	
			For Class 55 Rating, Add	3,204.09	
			For Class 56 Rating, Add	4,244.09	
40 05 19 00-2298	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,842.09	856.75
			For Class 52 Rating, Deduct	-1,599.84	
			For Class 54 Rating, Add	2,197.18	
			For Class 55 Rating, Add	3,274.46	
			For Class 56 Rating, Add	4,337.21	
40 05 19 00-2299	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,163.34	860.95
			For Class 52 Rating, Deduct	-1,634.48	
			For Class 54 Rating, Add	2,244.49	
			For Class 55 Rating, Add	3,344.84	
			For Class 56 Rating, Add	4,430.33	
40 05 19 00-2300			16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)		
40 05 19 00-2301	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,017.29	806.34
			For Class 52 Rating, Deduct	-417.51	
			For Class 54 Rating, Add	583.99	
			For Class 55 Rating, Add	875.73	
			For Class 56 Rating, Add	1,163.67	
40 05 19 00-2302	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,389.15	810.55
			For Class 52 Rating, Deduct	-457.72	
			For Class 54 Rating, Add	638.89	
			For Class 55 Rating, Add	957.39	
			For Class 56 Rating, Add	1,271.72	
40 05 19 00-2303	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,761.01	814.75
			For Class 52 Rating, Deduct	-497.92	
			For Class 54 Rating, Add	693.80	
			For Class 55 Rating, Add	1,039.05	
			For Class 56 Rating, Add	1,379.77	
40 05 19 00-2304	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,132.87	818.95
			For Class 52 Rating, Deduct	-538.12	
			For Class 54 Rating, Add	748.70	
			For Class 55 Rating, Add	1,120.70	
			For Class 56 Rating, Add	1,487.82	
40 05 19 00-2305	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,504.73	823.15
			For Class 52 Rating, Deduct	-578.33	
			For Class 54 Rating, Add	803.60	
			For Class 55 Rating, Add	1,202.36	
			For Class 56 Rating, Add	1,595.87	
40 05 19 00-2306	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,876.59	827.35
			For Class 52 Rating, Deduct	-618.53	
			For Class 54 Rating, Add	858.50	
			For Class 55 Rating, Add	1,284.02	
			For Class 56 Rating, Add	1,703.92	
40 05 19 00-2307	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,248.46	831.55
			For Class 52 Rating, Deduct	-658.74	
			For Class 54 Rating, Add	913.40	
			For Class 55 Rating, Add	1,365.68	
			For Class 56 Rating, Add	1,811.98	
40 05 19 00-2308	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,620.32	835.74
			For Class 52 Rating, Deduct	-698.94	
			For Class 54 Rating, Add	968.30	
			For Class 55 Rating, Add	1,447.34	
			For Class 56 Rating, Add	1,920.03	
40 05 19 00-2309	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,992.17	839.95
			For Class 52 Rating, Deduct	-739.15	
			For Class 54 Rating, Add	1,023.20	
			For Class 55 Rating, Add	1,529.00	
			For Class 56 Rating, Add	2,028.08	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2310 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,364.04	844.14
For Class 52 Rating, Deduct	-779.35	
For Class 54 Rating, Add	1,078.10	
For Class 55 Rating, Add	1,610.66	
For Class 56 Rating, Add	2,136.13	
40 05 19 00-2311 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,735.90	848.35
For Class 52 Rating, Deduct	-819.56	
For Class 54 Rating, Add	1,133.00	
For Class 55 Rating, Add	1,692.32	
For Class 56 Rating, Add	2,244.18	
40 05 19 00-2312 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,107.76	852.54
For Class 52 Rating, Deduct	-859.76	
For Class 54 Rating, Add	1,187.91	
For Class 55 Rating, Add	1,773.98	
For Class 56 Rating, Add	2,352.23	
40 05 19 00-2313 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,479.62	856.75
For Class 52 Rating, Deduct	-899.97	
For Class 54 Rating, Add	1,242.81	
For Class 55 Rating, Add	1,855.63	
For Class 56 Rating, Add	2,460.28	
40 05 19 00-2314 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,851.48	860.95
For Class 52 Rating, Deduct	-940.17	
For Class 54 Rating, Add	1,297.71	
For Class 55 Rating, Add	1,937.29	
For Class 56 Rating, Add	2,568.33	
40 05 19 00-2315 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,223.35	865.14
For Class 52 Rating, Deduct	-980.38	
For Class 54 Rating, Add	1,352.61	
For Class 55 Rating, Add	2,018.95	
For Class 56 Rating, Add	2,676.38	
40 05 19 00-2316 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,595.21	869.35
For Class 52 Rating, Deduct	-1,020.58	
For Class 54 Rating, Add	1,407.51	
For Class 55 Rating, Add	2,100.61	
For Class 56 Rating, Add	2,784.43	
40 05 19 00-2317 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,967.06	873.54
For Class 52 Rating, Deduct	-1,060.79	
For Class 54 Rating, Add	1,462.41	
For Class 55 Rating, Add	2,182.27	
For Class 56 Rating, Add	2,892.48	
40 05 19 00-2318 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,338.93	877.75
For Class 52 Rating, Deduct	-1,100.99	
For Class 54 Rating, Add	1,517.31	
For Class 55 Rating, Add	2,263.93	
For Class 56 Rating, Add	3,000.54	
40 05 19 00-2319 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,710.79	881.94
For Class 52 Rating, Deduct	-1,141.20	
For Class 54 Rating, Add	1,572.21	
For Class 55 Rating, Add	2,345.59	
For Class 56 Rating, Add	3,108.59	
40 05 19 00-2320 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,082.65	886.15
For Class 52 Rating, Deduct	-1,181.40	
For Class 54 Rating, Add	1,627.11	
For Class 55 Rating, Add	2,427.25	
For Class 56 Rating, Add	3,216.64	
40 05 19 00-2321 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,454.51	890.34
For Class 52 Rating, Deduct	-1,221.61	
For Class 54 Rating, Add	1,682.01	
For Class 55 Rating, Add	2,508.90	
For Class 56 Rating, Add	3,324.69	
40 05 19 00-2322 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,826.37	894.54
For Class 52 Rating, Deduct	-1,261.81	
For Class 54 Rating, Add	1,736.91	
For Class 55 Rating, Add	2,590.56	
For Class 56 Rating, Add	3,432.74	
40 05 19 00-2323 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,198.23	898.74
For Class 52 Rating, Deduct	-1,302.02	
For Class 54 Rating, Add	1,791.82	
For Class 55 Rating, Add	2,672.22	
For Class 56 Rating, Add	3,540.79	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2324	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		13,570.10	902.94
		<i>For Class 52 Rating, Deduct</i>		-1,342.22	
		<i>For Class 54 Rating, Add</i>		1,846.72	
		<i>For Class 55 Rating, Add</i>		2,753.88	
		<i>For Class 56 Rating, Add</i>		3,648.84	
40 05 19 00-2325	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		13,941.95	907.15
		<i>For Class 52 Rating, Deduct</i>		-1,382.42	
		<i>For Class 54 Rating, Add</i>		1,901.62	
		<i>For Class 55 Rating, Add</i>		2,835.54	
		<i>For Class 56 Rating, Add</i>		3,756.89	
40 05 19 00-2326	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		14,313.81	911.34
		<i>For Class 52 Rating, Deduct</i>		-1,422.63	
		<i>For Class 54 Rating, Add</i>		1,956.52	
		<i>For Class 55 Rating, Add</i>		2,917.20	
		<i>For Class 56 Rating, Add</i>		3,864.94	
40 05 19 00-2327	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		14,685.68	915.55
		<i>For Class 52 Rating, Deduct</i>		-1,462.83	
		<i>For Class 54 Rating, Add</i>		2,011.42	
		<i>For Class 55 Rating, Add</i>		2,998.86	
		<i>For Class 56 Rating, Add</i>		3,972.99	
40 05 19 00-2328	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		15,057.54	919.74
		<i>For Class 52 Rating, Deduct</i>		-1,503.04	
		<i>For Class 54 Rating, Add</i>		2,066.32	
		<i>For Class 55 Rating, Add</i>		3,080.51	
		<i>For Class 56 Rating, Add</i>		4,081.04	
40 05 19 00-2329	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		15,429.39	923.94
		<i>For Class 52 Rating, Deduct</i>		-1,543.24	
		<i>For Class 54 Rating, Add</i>		2,121.22	
		<i>For Class 55 Rating, Add</i>		3,162.17	
		<i>For Class 56 Rating, Add</i>		4,189.09	
40 05 19 00-2330	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		15,801.26	928.14
		<i>For Class 52 Rating, Deduct</i>		-1,583.45	
		<i>For Class 54 Rating, Add</i>		2,176.12	
		<i>For Class 55 Rating, Add</i>		3,243.83	
		<i>For Class 56 Rating, Add</i>		4,297.15	
40 05 19 00-2331	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		16,173.12	932.34
		<i>For Class 52 Rating, Deduct</i>		-1,623.65	
		<i>For Class 54 Rating, Add</i>		2,231.02	
		<i>For Class 55 Rating, Add</i>		3,325.49	
		<i>For Class 56 Rating, Add</i>		4,405.20	
40 05 19 00-2332	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		16,544.98	936.54
		<i>For Class 52 Rating, Deduct</i>		-1,663.86	
		<i>For Class 54 Rating, Add</i>		2,285.93	
		<i>For Class 55 Rating, Add</i>		3,407.15	
		<i>For Class 56 Rating, Add</i>		4,513.25	
40 05 19 00-2333	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		16,916.85	940.74
		<i>For Class 52 Rating, Deduct</i>		-1,704.06	
		<i>For Class 54 Rating, Add</i>		2,340.83	
		<i>For Class 55 Rating, Add</i>		3,488.81	
		<i>For Class 56 Rating, Add</i>		4,621.30	
40 05 19 00-2334	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		17,288.70	944.94
		<i>For Class 52 Rating, Deduct</i>		-1,744.27	
		<i>For Class 54 Rating, Add</i>		2,395.73	
		<i>For Class 55 Rating, Add</i>		3,570.47	
		<i>For Class 56 Rating, Add</i>		4,729.35	
40 05 19 00-2335	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		17,660.56	949.14
		<i>For Class 52 Rating, Deduct</i>		-1,784.47	
		<i>For Class 54 Rating, Add</i>		2,450.63	
		<i>For Class 55 Rating, Add</i>		3,652.12	
		<i>For Class 56 Rating, Add</i>		4,837.40	
40 05 19 00-2336	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		18,032.43	953.34
		<i>For Class 52 Rating, Deduct</i>		-1,824.68	
		<i>For Class 54 Rating, Add</i>		2,505.53	
		<i>For Class 55 Rating, Add</i>		3,733.78	
		<i>For Class 56 Rating, Add</i>		4,945.45	
40 05 19 00-2337	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		18,404.29	957.54
		<i>For Class 52 Rating, Deduct</i>		-1,864.88	
		<i>For Class 54 Rating, Add</i>		2,560.43	
		<i>For Class 55 Rating, Add</i>		3,815.44	
		<i>For Class 56 Rating, Add</i>		5,053.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2338 EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,776.15	961.74
For Class 52 Rating, Deduct	-1,905.09	
For Class 54 Rating, Add	2,615.33	
For Class 55 Rating, Add	3,897.10	
For Class 56 Rating, Add	5,161.55	
40 05 19 00-2339 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
(40 05 19 00-2060)		
40 05 19 00-2340 EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,847.32	908.82
For Class 52 Rating, Deduct	-491.74	
For Class 54 Rating, Add	687.07	
For Class 55 Rating, Add	1,029.93	
For Class 56 Rating, Add	1,368.32	
40 05 19 00-2341 EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,275.40	913.03
For Class 52 Rating, Deduct	-538.12	
For Class 54 Rating, Add	750.41	
For Class 55 Rating, Add	1,124.13	
For Class 56 Rating, Add	1,492.95	
40 05 19 00-2342 EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,703.50	917.22
For Class 52 Rating, Deduct	-584.51	
For Class 54 Rating, Add	813.74	
For Class 55 Rating, Add	1,218.32	
For Class 56 Rating, Add	1,617.59	
40 05 19 00-2343 EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,131.59	921.43
For Class 52 Rating, Deduct	-630.91	
For Class 54 Rating, Add	877.08	
For Class 55 Rating, Add	1,312.52	
For Class 56 Rating, Add	1,742.23	
40 05 19 00-2344 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,559.69	925.62
For Class 52 Rating, Deduct	-677.30	
For Class 54 Rating, Add	940.41	
For Class 55 Rating, Add	1,406.72	
For Class 56 Rating, Add	1,866.87	
40 05 19 00-2345 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,987.78	929.82
For Class 52 Rating, Deduct	-723.69	
For Class 54 Rating, Add	1,003.75	
For Class 55 Rating, Add	1,500.92	
For Class 56 Rating, Add	1,991.51	
40 05 19 00-2346 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,415.86	934.02
For Class 52 Rating, Deduct	-770.07	
For Class 54 Rating, Add	1,067.08	
For Class 55 Rating, Add	1,595.12	
For Class 56 Rating, Add	2,116.15	
40 05 19 00-2347 EA 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,843.96	938.22
For Class 52 Rating, Deduct	-816.47	
For Class 54 Rating, Add	1,130.42	
For Class 55 Rating, Add	1,689.31	
For Class 56 Rating, Add	2,240.79	
40 05 19 00-2348 EA 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,272.05	942.42
For Class 52 Rating, Deduct	-862.86	
For Class 54 Rating, Add	1,193.76	
For Class 55 Rating, Add	1,783.51	
For Class 56 Rating, Add	2,365.43	
40 05 19 00-2349 EA 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,700.14	946.62
For Class 52 Rating, Deduct	-909.25	
For Class 54 Rating, Add	1,257.09	
For Class 55 Rating, Add	1,877.71	
For Class 56 Rating, Add	2,490.07	
40 05 19 00-2350 EA 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,128.24	950.82
For Class 52 Rating, Deduct	-955.64	
For Class 54 Rating, Add	1,320.43	
For Class 55 Rating, Add	1,971.91	
For Class 56 Rating, Add	2,614.71	
40 05 19 00-2351 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,556.32	955.02
For Class 52 Rating, Deduct	-1,002.03	
For Class 54 Rating, Add	1,383.76	
For Class 55 Rating, Add	2,066.11	
For Class 56 Rating, Add	2,739.34	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2352	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		10,984.41	959.22
		<i>For Class 52 Rating, Deduct</i>		-1,048.42	
		<i>For Class 54 Rating, Add</i>		1,447.10	
		<i>For Class 55 Rating, Add</i>		2,160.30	
		<i>For Class 56 Rating, Add</i>		2,863.98	
40 05 19 00-2353	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		11,412.51	963.42
		<i>For Class 52 Rating, Deduct</i>		-1,094.81	
		<i>For Class 54 Rating, Add</i>		1,510.43	
		<i>For Class 55 Rating, Add</i>		2,254.50	
		<i>For Class 56 Rating, Add</i>		2,988.62	
40 05 19 00-2354	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		11,840.60	967.62
		<i>For Class 52 Rating, Deduct</i>		-1,141.20	
		<i>For Class 54 Rating, Add</i>		1,573.77	
		<i>For Class 55 Rating, Add</i>		2,348.70	
		<i>For Class 56 Rating, Add</i>		3,113.26	
40 05 19 00-2355	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		12,268.69	971.82
		<i>For Class 52 Rating, Deduct</i>		-1,187.59	
		<i>For Class 54 Rating, Add</i>		1,637.11	
		<i>For Class 55 Rating, Add</i>		2,442.90	
		<i>For Class 56 Rating, Add</i>		3,237.90	
40 05 19 00-2356	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		12,696.78	976.02
		<i>For Class 52 Rating, Deduct</i>		-1,233.98	
		<i>For Class 54 Rating, Add</i>		1,700.44	
		<i>For Class 55 Rating, Add</i>		2,537.10	
		<i>For Class 56 Rating, Add</i>		3,362.54	
40 05 19 00-2357	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		13,124.87	980.22
		<i>For Class 52 Rating, Deduct</i>		-1,280.37	
		<i>For Class 54 Rating, Add</i>		1,763.78	
		<i>For Class 55 Rating, Add</i>		2,631.30	
		<i>For Class 56 Rating, Add</i>		3,487.18	
40 05 19 00-2358	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		13,552.96	984.42
		<i>For Class 52 Rating, Deduct</i>		-1,326.76	
		<i>For Class 54 Rating, Add</i>		1,827.11	
		<i>For Class 55 Rating, Add</i>		2,725.49	
		<i>For Class 56 Rating, Add</i>		3,611.81	
40 05 19 00-2359	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		13,981.06	988.61
		<i>For Class 52 Rating, Deduct</i>		-1,373.15	
		<i>For Class 54 Rating, Add</i>		1,890.45	
		<i>For Class 55 Rating, Add</i>		2,819.69	
		<i>For Class 56 Rating, Add</i>		3,736.45	
40 05 19 00-2360	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		14,409.15	992.82
		<i>For Class 52 Rating, Deduct</i>		-1,419.54	
		<i>For Class 54 Rating, Add</i>		1,953.78	
		<i>For Class 55 Rating, Add</i>		2,913.89	
		<i>For Class 56 Rating, Add</i>		3,861.09	
40 05 19 00-2361	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		14,837.23	997.01
		<i>For Class 52 Rating, Deduct</i>		-1,465.93	
		<i>For Class 54 Rating, Add</i>		2,017.12	
		<i>For Class 55 Rating, Add</i>		3,008.09	
		<i>For Class 56 Rating, Add</i>		3,985.73	
40 05 19 00-2362	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		15,265.33	1,001.22
		<i>For Class 52 Rating, Deduct</i>		-1,512.32	
		<i>For Class 54 Rating, Add</i>		2,080.45	
		<i>For Class 55 Rating, Add</i>		3,102.29	
		<i>For Class 56 Rating, Add</i>		4,110.37	
40 05 19 00-2363	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		15,693.42	1,005.41
		<i>For Class 52 Rating, Deduct</i>		-1,558.71	
		<i>For Class 54 Rating, Add</i>		2,143.79	
		<i>For Class 55 Rating, Add</i>		3,196.48	
		<i>For Class 56 Rating, Add</i>		4,235.01	
40 05 19 00-2364	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		16,121.51	1,009.62
		<i>For Class 52 Rating, Deduct</i>		-1,605.10	
		<i>For Class 54 Rating, Add</i>		2,207.13	
		<i>For Class 55 Rating, Add</i>		3,290.68	
		<i>For Class 56 Rating, Add</i>		4,359.65	
40 05 19 00-2365	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		16,549.61	1,013.82
		<i>For Class 52 Rating, Deduct</i>		-1,651.49	
		<i>For Class 54 Rating, Add</i>		2,270.46	
		<i>For Class 55 Rating, Add</i>		3,384.88	
		<i>For Class 56 Rating, Add</i>		4,484.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2366 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,977.69	1,018.01
<i>For Class 52 Rating, Deduct</i>	-1,697.88	
<i>For Class 54 Rating, Add</i>	2,333.80	
<i>For Class 55 Rating, Add</i>	3,479.08	
<i>For Class 56 Rating, Add</i>	4,608.92	
40 05 19 00-2367 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,405.78	1,022.22
<i>For Class 52 Rating, Deduct</i>	-1,744.27	
<i>For Class 54 Rating, Add</i>	2,397.13	
<i>For Class 55 Rating, Add</i>	3,573.28	
<i>For Class 56 Rating, Add</i>	4,733.56	
40 05 19 00-2368 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,833.88	1,026.41
<i>For Class 52 Rating, Deduct</i>	-1,790.66	
<i>For Class 54 Rating, Add</i>	2,460.47	
<i>For Class 55 Rating, Add</i>	3,667.47	
<i>For Class 56 Rating, Add</i>	4,858.20	
40 05 19 00-2369 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,261.97	1,030.62
<i>For Class 52 Rating, Deduct</i>	-1,837.05	
<i>For Class 54 Rating, Add</i>	2,523.80	
<i>For Class 55 Rating, Add</i>	3,761.67	
<i>For Class 56 Rating, Add</i>	4,982.84	
40 05 19 00-2370 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,690.07	1,034.81
<i>For Class 52 Rating, Deduct</i>	-1,883.44	
<i>For Class 54 Rating, Add</i>	2,587.14	
<i>For Class 55 Rating, Add</i>	3,855.87	
<i>For Class 56 Rating, Add</i>	5,107.48	
40 05 19 00-2371 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,118.14	1,039.02
<i>For Class 52 Rating, Deduct</i>	-1,929.83	
<i>For Class 54 Rating, Add</i>	2,650.47	
<i>For Class 55 Rating, Add</i>	3,950.07	
<i>For Class 56 Rating, Add</i>	5,232.12	
40 05 19 00-2372 EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,546.23	1,043.21
<i>For Class 52 Rating, Deduct</i>	-1,976.22	
<i>For Class 54 Rating, Add</i>	2,713.81	
<i>For Class 55 Rating, Add</i>	4,044.27	
<i>For Class 56 Rating, Add</i>	5,356.76	
40 05 19 00-2373 EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,974.33	1,047.41
<i>For Class 52 Rating, Deduct</i>	-2,022.61	
<i>For Class 54 Rating, Add</i>	2,777.14	
<i>For Class 55 Rating, Add</i>	4,138.46	
<i>For Class 56 Rating, Add</i>	5,481.40	
40 05 19 00-2374 EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,402.42	1,051.61
<i>For Class 52 Rating, Deduct</i>	-2,069.00	
<i>For Class 54 Rating, Add</i>	2,840.48	
<i>For Class 55 Rating, Add</i>	4,232.66	
<i>For Class 56 Rating, Add</i>	5,606.04	
40 05 19 00-2375 EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,830.51	1,055.81
<i>For Class 52 Rating, Deduct</i>	-2,115.39	
<i>For Class 54 Rating, Add</i>	2,903.82	
<i>For Class 55 Rating, Add</i>	4,326.86	
<i>For Class 56 Rating, Add</i>	5,730.68	
40 05 19 00-2376 EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,258.60	1,060.02
<i>For Class 52 Rating, Deduct</i>	-2,161.78	
<i>For Class 54 Rating, Add</i>	2,967.15	
<i>For Class 55 Rating, Add</i>	4,421.06	
<i>For Class 56 Rating, Add</i>	5,855.31	
40 05 19 00-2377 EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,686.69	1,064.21
<i>For Class 52 Rating, Deduct</i>	-2,208.17	
<i>For Class 54 Rating, Add</i>	3,030.49	
<i>For Class 55 Rating, Add</i>	4,515.26	
<i>For Class 56 Rating, Add</i>	5,979.95	
40 05 19 00-2378 20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-2060)</small>		
40 05 19 00-2379 EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,843.32	1,037.33
<i>For Class 52 Rating, Deduct</i>	-579.88	
<i>For Class 54 Rating, Add</i>	809.60	
<i>For Class 55 Rating, Add</i>	1,213.29	
<i>For Class 56 Rating, Add</i>	1,611.70	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2380	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	7,330.45	1,041.53
			For Class 52 Rating, Deduct	-632.76	
			For Class 54 Rating, Add	881.79	
			For Class 55 Rating, Add	1,320.65	
			For Class 56 Rating, Add	1,753.76	
40 05 19 00-2381	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	7,817.58	1,045.74
			For Class 52 Rating, Deduct	-685.65	
			For Class 54 Rating, Add	953.98	
			For Class 55 Rating, Add	1,428.02	
			For Class 56 Rating, Add	1,895.82	
40 05 19 00-2382	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	8,304.72	1,049.93
			For Class 52 Rating, Deduct	-738.53	
			For Class 54 Rating, Add	1,026.18	
			For Class 55 Rating, Add	1,535.38	
			For Class 56 Rating, Add	2,037.87	
40 05 19 00-2383	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	8,791.85	1,054.14
			For Class 52 Rating, Deduct	-791.41	
			For Class 54 Rating, Add	1,098.37	
			For Class 55 Rating, Add	1,642.75	
			For Class 56 Rating, Add	2,179.93	
40 05 19 00-2384	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	9,278.98	1,058.33
			For Class 52 Rating, Deduct	-844.30	
			For Class 54 Rating, Add	1,170.56	
			For Class 55 Rating, Add	1,750.11	
			For Class 56 Rating, Add	2,321.98	
40 05 19 00-2385	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	9,766.12	1,062.54
			For Class 52 Rating, Deduct	-897.18	
			For Class 54 Rating, Add	1,242.75	
			For Class 55 Rating, Add	1,857.47	
			For Class 56 Rating, Add	2,464.04	
40 05 19 00-2386	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	10,253.25	1,066.73
			For Class 52 Rating, Deduct	-950.07	
			For Class 54 Rating, Add	1,314.94	
			For Class 55 Rating, Add	1,964.84	
			For Class 56 Rating, Add	2,606.10	
40 05 19 00-2387	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	10,740.39	1,070.93
			For Class 52 Rating, Deduct	-1,002.95	
			For Class 54 Rating, Add	1,387.14	
			For Class 55 Rating, Add	2,072.20	
			For Class 56 Rating, Add	2,748.15	
40 05 19 00-2388	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	11,227.52	1,075.13
			For Class 52 Rating, Deduct	-1,055.84	
			For Class 54 Rating, Add	1,459.33	
			For Class 55 Rating, Add	2,179.57	
			For Class 56 Rating, Add	2,890.21	
40 05 19 00-2389	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	11,714.65	1,079.33
			For Class 52 Rating, Deduct	-1,108.72	
			For Class 54 Rating, Add	1,531.52	
			For Class 55 Rating, Add	2,286.93	
			For Class 56 Rating, Add	3,032.27	
40 05 19 00-2390	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	12,201.79	1,083.53
			For Class 52 Rating, Deduct	-1,161.61	
			For Class 54 Rating, Add	1,603.71	
			For Class 55 Rating, Add	2,394.30	
			For Class 56 Rating, Add	3,174.32	
40 05 19 00-2391	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	12,688.92	1,087.73
			For Class 52 Rating, Deduct	-1,214.49	
			For Class 54 Rating, Add	1,675.90	
			For Class 55 Rating, Add	2,501.66	
			For Class 56 Rating, Add	3,316.38	
40 05 19 00-2392	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	13,176.05	1,091.94
			For Class 52 Rating, Deduct	-1,267.38	
			For Class 54 Rating, Add	1,748.09	
			For Class 55 Rating, Add	2,609.03	
			For Class 56 Rating, Add	3,458.43	
40 05 19 00-2393	EA		20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	13,663.19	1,096.13
			For Class 52 Rating, Deduct	-1,320.26	
			For Class 54 Rating, Add	1,820.29	
			For Class 55 Rating, Add	2,716.39	
			For Class 56 Rating, Add	3,600.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2394 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,150.32	1,100.33
<i>For Class 52 Rating, Deduct</i>	-1,373.15	
<i>For Class 54 Rating, Add</i>	1,892.48	
<i>For Class 55 Rating, Add</i>	2,823.75	
<i>For Class 56 Rating, Add</i>	3,742.55	
40 05 19 00-2395 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,637.45	1,104.53
<i>For Class 52 Rating, Deduct</i>	-1,426.03	
<i>For Class 54 Rating, Add</i>	1,964.67	
<i>For Class 55 Rating, Add</i>	2,931.12	
<i>For Class 56 Rating, Add</i>	3,884.60	
40 05 19 00-2396 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,124.59	1,108.73
<i>For Class 52 Rating, Deduct</i>	-1,478.92	
<i>For Class 54 Rating, Add</i>	2,036.86	
<i>For Class 55 Rating, Add</i>	3,038.48	
<i>For Class 56 Rating, Add</i>	4,026.66	
40 05 19 00-2397 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,611.72	1,112.93
<i>For Class 52 Rating, Deduct</i>	-1,531.80	
<i>For Class 54 Rating, Add</i>	2,109.05	
<i>For Class 55 Rating, Add</i>	3,145.85	
<i>For Class 56 Rating, Add</i>	4,168.72	
40 05 19 00-2398 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,098.85	1,117.13
<i>For Class 52 Rating, Deduct</i>	-1,584.69	
<i>For Class 54 Rating, Add</i>	2,181.25	
<i>For Class 55 Rating, Add</i>	3,253.21	
<i>For Class 56 Rating, Add</i>	4,310.77	
40 05 19 00-2399 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,585.99	1,121.33
<i>For Class 52 Rating, Deduct</i>	-1,637.57	
<i>For Class 54 Rating, Add</i>	2,253.44	
<i>For Class 55 Rating, Add</i>	3,360.58	
<i>For Class 56 Rating, Add</i>	4,452.83	
40 05 19 00-2400 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,073.12	1,125.53
<i>For Class 52 Rating, Deduct</i>	-1,690.45	
<i>For Class 54 Rating, Add</i>	2,325.63	
<i>For Class 55 Rating, Add</i>	3,467.94	
<i>For Class 56 Rating, Add</i>	4,594.88	
40 05 19 00-2401 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,560.25	1,129.72
<i>For Class 52 Rating, Deduct</i>	-1,743.34	
<i>For Class 54 Rating, Add</i>	2,397.82	
<i>For Class 55 Rating, Add</i>	3,575.31	
<i>For Class 56 Rating, Add</i>	4,736.94	
40 05 19 00-2402 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,047.39	1,133.93
<i>For Class 52 Rating, Deduct</i>	-1,796.22	
<i>For Class 54 Rating, Add</i>	2,470.01	
<i>For Class 55 Rating, Add</i>	3,682.67	
<i>For Class 56 Rating, Add</i>	4,879.00	
40 05 19 00-2403 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,534.52	1,138.12
<i>For Class 52 Rating, Deduct</i>	-1,849.11	
<i>For Class 54 Rating, Add</i>	2,542.21	
<i>For Class 55 Rating, Add</i>	3,790.03	
<i>For Class 56 Rating, Add</i>	5,021.05	
40 05 19 00-2404 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,021.65	1,142.33
<i>For Class 52 Rating, Deduct</i>	-1,901.99	
<i>For Class 54 Rating, Add</i>	2,614.40	
<i>For Class 55 Rating, Add</i>	3,897.40	
<i>For Class 56 Rating, Add</i>	5,163.11	
40 05 19 00-2405 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,508.78	1,146.53
<i>For Class 52 Rating, Deduct</i>	-1,954.88	
<i>For Class 54 Rating, Add</i>	2,686.59	
<i>For Class 55 Rating, Add</i>	4,004.76	
<i>For Class 56 Rating, Add</i>	5,305.17	
40 05 19 00-2406 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,995.91	1,150.73
<i>For Class 52 Rating, Deduct</i>	-2,007.76	
<i>For Class 54 Rating, Add</i>	2,758.78	
<i>For Class 55 Rating, Add</i>	4,112.13	
<i>For Class 56 Rating, Add</i>	5,447.22	
40 05 19 00-2407 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,483.04	1,154.93
<i>For Class 52 Rating, Deduct</i>	-2,060.65	
<i>For Class 54 Rating, Add</i>	2,830.97	
<i>For Class 55 Rating, Add</i>	4,219.49	
<i>For Class 56 Rating, Add</i>	5,589.28	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2408	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,970.18	1,159.12
			<i>For Class 52 Rating, Deduct</i>	-2,113.53	
			<i>For Class 54 Rating, Add</i>	2,903.16	
			<i>For Class 55 Rating, Add</i>	4,326.86	
			<i>For Class 56 Rating, Add</i>	5,731.33	
40 05 19 00-2409	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,457.31	1,163.33
			<i>For Class 52 Rating, Deduct</i>	-2,166.42	
			<i>For Class 54 Rating, Add</i>	2,975.36	
			<i>For Class 55 Rating, Add</i>	4,434.22	
			<i>For Class 56 Rating, Add</i>	5,873.39	
40 05 19 00-2410	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,944.45	1,167.52
			<i>For Class 52 Rating, Deduct</i>	-2,219.30	
			<i>For Class 54 Rating, Add</i>	3,047.55	
			<i>For Class 55 Rating, Add</i>	4,541.59	
			<i>For Class 56 Rating, Add</i>	6,015.45	
40 05 19 00-2411	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,431.58	1,171.73
			<i>For Class 52 Rating, Deduct</i>	-2,272.19	
			<i>For Class 54 Rating, Add</i>	3,119.74	
			<i>For Class 55 Rating, Add</i>	4,648.95	
			<i>For Class 56 Rating, Add</i>	6,157.50	
40 05 19 00-2412	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,918.71	1,175.92
			<i>For Class 52 Rating, Deduct</i>	-2,325.07	
			<i>For Class 54 Rating, Add</i>	3,191.93	
			<i>For Class 55 Rating, Add</i>	4,756.31	
			<i>For Class 56 Rating, Add</i>	6,299.56	
40 05 19 00-2413	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,405.85	1,180.13
			<i>For Class 52 Rating, Deduct</i>	-2,377.96	
			<i>For Class 54 Rating, Add</i>	3,264.12	
			<i>For Class 55 Rating, Add</i>	4,863.68	
			<i>For Class 56 Rating, Add</i>	6,441.62	
40 05 19 00-2414	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,892.98	1,184.32
			<i>For Class 52 Rating, Deduct</i>	-2,430.84	
			<i>For Class 54 Rating, Add</i>	3,336.32	
			<i>For Class 55 Rating, Add</i>	4,971.04	
			<i>For Class 56 Rating, Add</i>	6,583.67	
40 05 19 00-2415	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,380.11	1,188.52
			<i>For Class 52 Rating, Deduct</i>	-2,483.73	
			<i>For Class 54 Rating, Add</i>	3,408.51	
			<i>For Class 55 Rating, Add</i>	5,078.41	
			<i>For Class 56 Rating, Add</i>	6,725.73	
40 05 19 00-2416	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,867.25	1,192.73
			<i>For Class 52 Rating, Deduct</i>	-2,536.61	
			<i>For Class 54 Rating, Add</i>	3,480.70	
			<i>For Class 55 Rating, Add</i>	5,185.77	
			<i>For Class 56 Rating, Add</i>	6,867.78	
40 05 19 00-2417			24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2418	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,437.02	1,226.32
			<i>For Class 52 Rating, Deduct</i>	-723.69	
			<i>For Class 54 Rating, Add</i>	1,009.14	
			<i>For Class 55 Rating, Add</i>	1,511.70	
			<i>For Class 56 Rating, Add</i>	2,007.68	
40 05 19 00-2419	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,039.43	1,230.52
			<i>For Class 52 Rating, Deduct</i>	-789.25	
			<i>For Class 54 Rating, Add</i>	1,098.62	
			<i>For Class 55 Rating, Add</i>	1,644.77	
			<i>For Class 56 Rating, Add</i>	2,183.74	
40 05 19 00-2420	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,641.83	1,234.72
			<i>For Class 52 Rating, Deduct</i>	-854.81	
			<i>For Class 54 Rating, Add</i>	1,188.11	
			<i>For Class 55 Rating, Add</i>	1,777.84	
			<i>For Class 56 Rating, Add</i>	2,359.81	
40 05 19 00-2421	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,244.23	1,238.93
			<i>For Class 52 Rating, Deduct</i>	-920.38	
			<i>For Class 54 Rating, Add</i>	1,277.59	
			<i>For Class 55 Rating, Add</i>	1,910.91	
			<i>For Class 56 Rating, Add</i>	2,535.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2422	EA			24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,846.65	1,243.12
				For Class 52 Rating, Deduct	-985.94	
				For Class 54 Rating, Add	1,367.07	
				For Class 55 Rating, Add	2,043.98	
				For Class 56 Rating, Add	2,711.93	
40 05 19 00-2423	EA			24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,449.05	1,247.32
				For Class 52 Rating, Deduct	-1,051.51	
				For Class 54 Rating, Add	1,456.55	
				For Class 55 Rating, Add	2,177.05	
				For Class 56 Rating, Add	2,887.99	
40 05 19 00-2424	EA			24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,051.45	1,251.52
				For Class 52 Rating, Deduct	-1,117.07	
				For Class 54 Rating, Add	1,546.04	
				For Class 55 Rating, Add	2,310.12	
				For Class 56 Rating, Add	3,064.05	
40 05 19 00-2425	EA			24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,653.86	1,255.72
				For Class 52 Rating, Deduct	-1,182.64	
				For Class 54 Rating, Add	1,635.52	
				For Class 55 Rating, Add	2,443.19	
				For Class 56 Rating, Add	3,240.11	
40 05 19 00-2426	EA			24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,256.26	1,259.92
				For Class 52 Rating, Deduct	-1,248.20	
				For Class 54 Rating, Add	1,725.00	
				For Class 55 Rating, Add	2,576.26	
				For Class 56 Rating, Add	3,416.17	
40 05 19 00-2427	EA			24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,858.67	1,264.12
				For Class 52 Rating, Deduct	-1,313.77	
				For Class 54 Rating, Add	1,814.48	
				For Class 55 Rating, Add	2,709.33	
				For Class 56 Rating, Add	3,592.24	
40 05 19 00-2428	EA			24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,461.08	1,268.32
				For Class 52 Rating, Deduct	-1,379.33	
				For Class 54 Rating, Add	1,903.97	
				For Class 55 Rating, Add	2,842.40	
				For Class 56 Rating, Add	3,768.30	
40 05 19 00-2429	EA			24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,063.48	1,272.52
				For Class 52 Rating, Deduct	-1,444.90	
				For Class 54 Rating, Add	1,993.45	
				For Class 55 Rating, Add	2,975.47	
				For Class 56 Rating, Add	3,944.36	
40 05 19 00-2430	EA			24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,665.89	1,276.71
				For Class 52 Rating, Deduct	-1,510.46	
				For Class 54 Rating, Add	2,082.93	
				For Class 55 Rating, Add	3,108.54	
				For Class 56 Rating, Add	4,120.42	
40 05 19 00-2431	EA			24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,268.30	1,280.92
				For Class 52 Rating, Deduct	-1,576.03	
				For Class 54 Rating, Add	2,172.42	
				For Class 55 Rating, Add	3,241.61	
				For Class 56 Rating, Add	4,296.48	
40 05 19 00-2432	EA			24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,870.70	1,285.12
				For Class 52 Rating, Deduct	-1,641.59	
				For Class 54 Rating, Add	2,261.90	
				For Class 55 Rating, Add	3,374.68	
				For Class 56 Rating, Add	4,472.54	
40 05 19 00-2433	EA			24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,473.11	1,289.32
				For Class 52 Rating, Deduct	-1,707.15	
				For Class 54 Rating, Add	2,351.38	
				For Class 55 Rating, Add	3,507.75	
				For Class 56 Rating, Add	4,648.61	
40 05 19 00-2434	EA			24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,075.51	1,293.52
				For Class 52 Rating, Deduct	-1,772.72	
				For Class 54 Rating, Add	2,440.86	
				For Class 55 Rating, Add	3,640.82	
				For Class 56 Rating, Add	4,824.67	
40 05 19 00-2435	EA			24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,677.91	1,297.72
				For Class 52 Rating, Deduct	-1,838.28	
				For Class 54 Rating, Add	2,530.35	
				For Class 55 Rating, Add	3,773.89	
				For Class 56 Rating, Add	5,000.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2436	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	19,280.33	1,301.92
		<i>For Class 52 Rating, Deduct</i>		-1,903.85	
		<i>For Class 54 Rating, Add</i>		2,619.83	
		<i>For Class 55 Rating, Add</i>		3,906.96	
		<i>For Class 56 Rating, Add</i>		5,176.79	
40 05 19 00-2437	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	19,882.73	1,306.11
		<i>For Class 52 Rating, Deduct</i>		-1,969.41	
		<i>For Class 54 Rating, Add</i>		2,709.31	
		<i>For Class 55 Rating, Add</i>		4,040.03	
		<i>For Class 56 Rating, Add</i>		5,352.85	
40 05 19 00-2438	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	20,485.13	1,310.32
		<i>For Class 52 Rating, Deduct</i>		-2,034.98	
		<i>For Class 54 Rating, Add</i>		2,798.79	
		<i>For Class 55 Rating, Add</i>		4,173.10	
		<i>For Class 56 Rating, Add</i>		5,528.91	
40 05 19 00-2439	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	21,087.54	1,314.51
		<i>For Class 52 Rating, Deduct</i>		-2,100.54	
		<i>For Class 54 Rating, Add</i>		2,888.28	
		<i>For Class 55 Rating, Add</i>		4,306.17	
		<i>For Class 56 Rating, Add</i>		5,704.97	
40 05 19 00-2440	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	21,689.94	1,318.72
		<i>For Class 52 Rating, Deduct</i>		-2,166.11	
		<i>For Class 54 Rating, Add</i>		2,977.76	
		<i>For Class 55 Rating, Add</i>		4,439.24	
		<i>For Class 56 Rating, Add</i>		5,881.04	
40 05 19 00-2441	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	22,292.34	1,322.91
		<i>For Class 52 Rating, Deduct</i>		-2,231.67	
		<i>For Class 54 Rating, Add</i>		3,067.24	
		<i>For Class 55 Rating, Add</i>		4,572.31	
		<i>For Class 56 Rating, Add</i>		6,057.10	
40 05 19 00-2442	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	22,894.75	1,327.12
		<i>For Class 52 Rating, Deduct</i>		-2,297.24	
		<i>For Class 54 Rating, Add</i>		3,156.72	
		<i>For Class 55 Rating, Add</i>		4,705.38	
		<i>For Class 56 Rating, Add</i>		6,233.16	
40 05 19 00-2443	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	23,497.15	1,331.32
		<i>For Class 52 Rating, Deduct</i>		-2,362.80	
		<i>For Class 54 Rating, Add</i>		3,246.21	
		<i>For Class 55 Rating, Add</i>		4,838.45	
		<i>For Class 56 Rating, Add</i>		6,409.22	
40 05 19 00-2444	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	24,099.56	1,335.51
		<i>For Class 52 Rating, Deduct</i>		-2,428.37	
		<i>For Class 54 Rating, Add</i>		3,335.69	
		<i>For Class 55 Rating, Add</i>		4,971.53	
		<i>For Class 56 Rating, Add</i>		6,585.28	
40 05 19 00-2445	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	24,701.97	1,339.72
		<i>For Class 52 Rating, Deduct</i>		-2,493.93	
		<i>For Class 54 Rating, Add</i>		3,425.17	
		<i>For Class 55 Rating, Add</i>		5,104.60	
		<i>For Class 56 Rating, Add</i>		6,761.34	
40 05 19 00-2446	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	25,304.37	1,343.91
		<i>For Class 52 Rating, Deduct</i>		-2,559.50	
		<i>For Class 54 Rating, Add</i>		3,514.66	
		<i>For Class 55 Rating, Add</i>		5,237.66	
		<i>For Class 56 Rating, Add</i>		6,937.41	
40 05 19 00-2447	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	26,014.95	1,419.51
		<i>For Class 52 Rating, Deduct</i>		-2,625.06	
		<i>For Class 54 Rating, Add</i>		3,605.44	
		<i>For Class 55 Rating, Add</i>		5,373.33	
		<i>For Class 56 Rating, Add</i>		7,117.36	
40 05 19 00-2448	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	26,617.36	1,423.71
		<i>For Class 52 Rating, Deduct</i>		-2,690.62	
		<i>For Class 54 Rating, Add</i>		3,694.92	
		<i>For Class 55 Rating, Add</i>		5,506.40	
		<i>For Class 56 Rating, Add</i>		7,293.42	
40 05 19 00-2449	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	27,219.77	1,427.91
		<i>For Class 52 Rating, Deduct</i>		-2,756.19	
		<i>For Class 54 Rating, Add</i>		3,784.40	
		<i>For Class 55 Rating, Add</i>		5,639.47	
		<i>For Class 56 Rating, Add</i>		7,469.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2450 EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,822.17	1,432.11
For Class 52 Rating, Deduct	-2,821.75	
For Class 54 Rating, Add	3,873.88	
For Class 55 Rating, Add	5,772.54	
For Class 56 Rating, Add	7,645.55	
40 05 19 00-2451 EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,424.58	1,436.31
For Class 52 Rating, Deduct	-2,887.32	
For Class 54 Rating, Add	3,963.37	
For Class 55 Rating, Add	5,905.61	
For Class 56 Rating, Add	7,821.61	
40 05 19 00-2452 EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,026.98	1,440.51
For Class 52 Rating, Deduct	-2,952.88	
For Class 54 Rating, Add	4,052.85	
For Class 55 Rating, Add	6,038.68	
For Class 56 Rating, Add	7,997.67	
40 05 19 00-2453 EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,629.39	1,444.71
For Class 52 Rating, Deduct	-3,018.45	
For Class 54 Rating, Add	4,142.33	
For Class 55 Rating, Add	6,171.75	
For Class 56 Rating, Add	8,173.73	
40 05 19 00-2454 EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,231.80	1,448.91
For Class 52 Rating, Deduct	-3,084.01	
For Class 54 Rating, Add	4,231.82	
For Class 55 Rating, Add	6,304.82	
For Class 56 Rating, Add	8,349.79	
40 05 19 00-2455 EA 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,834.20	1,453.10
For Class 52 Rating, Deduct	-3,149.58	
For Class 54 Rating, Add	4,321.30	
For Class 55 Rating, Add	6,437.89	
For Class 56 Rating, Add	8,525.85	
40 05 19 00-2456 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2457 EA 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,035.52	1,730.29
For Class 52 Rating, Deduct	-1,145.53	
For Class 54 Rating, Add	1,593.54	
For Class 55 Rating, Add	2,385.21	
For Class 56 Rating, Add	3,166.47	
40 05 19 00-2458 EA 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,896.58	1,734.49
For Class 52 Rating, Deduct	-1,239.54	
For Class 54 Rating, Add	1,721.82	
For Class 55 Rating, Add	2,575.96	
For Class 56 Rating, Add	3,418.84	
40 05 19 00-2459 EA 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,757.65	1,738.69
For Class 52 Rating, Deduct	-1,333.56	
For Class 54 Rating, Add	1,850.10	
For Class 55 Rating, Add	2,766.71	
For Class 56 Rating, Add	3,671.20	
40 05 19 00-2460 EA 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,618.72	1,742.89
For Class 52 Rating, Deduct	-1,427.58	
For Class 54 Rating, Add	1,978.39	
For Class 55 Rating, Add	2,957.47	
For Class 56 Rating, Add	3,923.57	
40 05 19 00-2461 EA 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,479.78	1,747.09
For Class 52 Rating, Deduct	-1,521.59	
For Class 54 Rating, Add	2,106.67	
For Class 55 Rating, Add	3,148.22	
For Class 56 Rating, Add	4,175.94	
40 05 19 00-2462 EA 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,340.85	1,751.29
For Class 52 Rating, Deduct	-1,615.61	
For Class 54 Rating, Add	2,234.95	
For Class 55 Rating, Add	3,338.97	
For Class 56 Rating, Add	4,428.30	
40 05 19 00-2463 EA 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,201.91	1,755.48
For Class 52 Rating, Deduct	-1,709.63	
For Class 54 Rating, Add	2,363.23	
For Class 55 Rating, Add	3,529.72	
For Class 56 Rating, Add	4,680.67	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2464	EA	30"	Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,062.97	1,759.69
			<i>For Class 52 Rating, Deduct</i>	-1,803.65	
			<i>For Class 54 Rating, Add</i>	2,491.51	
			<i>For Class 55 Rating, Add</i>	3,720.47	
			<i>For Class 56 Rating, Add</i>	4,933.03	
40 05 19 00-2465	EA	30"	Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,924.05	1,763.89
			<i>For Class 52 Rating, Deduct</i>	-1,897.66	
			<i>For Class 54 Rating, Add</i>	2,619.79	
			<i>For Class 55 Rating, Add</i>	3,911.22	
			<i>For Class 56 Rating, Add</i>	5,185.40	
40 05 19 00-2466	EA	30"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,785.11	1,768.09
			<i>For Class 52 Rating, Deduct</i>	-1,991.68	
			<i>For Class 54 Rating, Add</i>	2,748.08	
			<i>For Class 55 Rating, Add</i>	4,101.97	
			<i>For Class 56 Rating, Add</i>	5,437.77	
40 05 19 00-2467	EA	30"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,646.17	1,772.29
			<i>For Class 52 Rating, Deduct</i>	-2,085.70	
			<i>For Class 54 Rating, Add</i>	2,876.36	
			<i>For Class 55 Rating, Add</i>	4,292.73	
			<i>For Class 56 Rating, Add</i>	5,690.13	
40 05 19 00-2468	EA	30"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,507.24	1,776.49
			<i>For Class 52 Rating, Deduct</i>	-2,179.71	
			<i>For Class 54 Rating, Add</i>	3,004.64	
			<i>For Class 55 Rating, Add</i>	4,483.48	
			<i>For Class 56 Rating, Add</i>	5,942.50	
40 05 19 00-2469	EA	30"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,368.31	1,780.69
			<i>For Class 52 Rating, Deduct</i>	-2,273.73	
			<i>For Class 54 Rating, Add</i>	3,132.92	
			<i>For Class 55 Rating, Add</i>	4,674.23	
			<i>For Class 56 Rating, Add</i>	6,194.87	
40 05 19 00-2470	EA	30"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,229.38	1,784.88
			<i>For Class 52 Rating, Deduct</i>	-2,367.75	
			<i>For Class 54 Rating, Add</i>	3,261.20	
			<i>For Class 55 Rating, Add</i>	4,864.98	
			<i>For Class 56 Rating, Add</i>	6,447.23	
40 05 19 00-2471	EA	30"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,090.44	1,789.09
			<i>For Class 52 Rating, Deduct</i>	-2,461.77	
			<i>For Class 54 Rating, Add</i>	3,389.48	
			<i>For Class 55 Rating, Add</i>	5,055.73	
			<i>For Class 56 Rating, Add</i>	6,699.60	
40 05 19 00-2472	EA	30"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,951.50	1,793.28
			<i>For Class 52 Rating, Deduct</i>	-2,555.78	
			<i>For Class 54 Rating, Add</i>	3,517.77	
			<i>For Class 55 Rating, Add</i>	5,246.48	
			<i>For Class 56 Rating, Add</i>	6,951.96	
40 05 19 00-2473	EA	30"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,812.57	1,797.49
			<i>For Class 52 Rating, Deduct</i>	-2,649.80	
			<i>For Class 54 Rating, Add</i>	3,646.05	
			<i>For Class 55 Rating, Add</i>	5,437.23	
			<i>For Class 56 Rating, Add</i>	7,204.33	
40 05 19 00-2474	EA	30"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,673.64	1,801.68
			<i>For Class 52 Rating, Deduct</i>	-2,743.82	
			<i>For Class 54 Rating, Add</i>	3,774.33	
			<i>For Class 55 Rating, Add</i>	5,627.99	
			<i>For Class 56 Rating, Add</i>	7,456.70	
40 05 19 00-2475	EA	30"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,534.70	1,805.89
			<i>For Class 52 Rating, Deduct</i>	-2,837.84	
			<i>For Class 54 Rating, Add</i>	3,902.61	
			<i>For Class 55 Rating, Add</i>	5,818.74	
			<i>For Class 56 Rating, Add</i>	7,709.06	
40 05 19 00-2476	EA	30"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,395.77	1,810.09
			<i>For Class 52 Rating, Deduct</i>	-2,931.85	
			<i>For Class 54 Rating, Add</i>	4,030.89	
			<i>For Class 55 Rating, Add</i>	6,009.49	
			<i>For Class 56 Rating, Add</i>	7,961.43	
40 05 19 00-2477	EA	30"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,256.83	1,814.28
			<i>For Class 52 Rating, Deduct</i>	-3,025.87	
			<i>For Class 54 Rating, Add</i>	4,159.17	
			<i>For Class 55 Rating, Add</i>	6,200.24	
			<i>For Class 56 Rating, Add</i>	8,213.79	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2478 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,117.89	1,818.49
<i>For Class 52 Rating, Deduct</i>	-3,119.89	
<i>For Class 54 Rating, Add</i>	4,287.45	
<i>For Class 55 Rating, Add</i>	6,390.99	
<i>For Class 56 Rating, Add</i>	8,466.16	
40 05 19 00-2479 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,978.97	1,822.68
<i>For Class 52 Rating, Deduct</i>	-3,213.91	
<i>For Class 54 Rating, Add</i>	4,415.74	
<i>For Class 55 Rating, Add</i>	6,581.74	
<i>For Class 56 Rating, Add</i>	8,718.53	
40 05 19 00-2480 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,840.03	1,826.89
<i>For Class 52 Rating, Deduct</i>	-3,307.92	
<i>For Class 54 Rating, Add</i>	4,544.02	
<i>For Class 55 Rating, Add</i>	6,772.49	
<i>For Class 56 Rating, Add</i>	8,970.89	
40 05 19 00-2481 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,701.09	1,831.08
<i>For Class 52 Rating, Deduct</i>	-3,401.94	
<i>For Class 54 Rating, Add</i>	4,672.30	
<i>For Class 55 Rating, Add</i>	6,963.24	
<i>For Class 56 Rating, Add</i>	9,223.26	
40 05 19 00-2482 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,562.16	1,835.29
<i>For Class 52 Rating, Deduct</i>	-3,495.96	
<i>For Class 54 Rating, Add</i>	4,800.58	
<i>For Class 55 Rating, Add</i>	7,153.99	
<i>For Class 56 Rating, Add</i>	9,475.63	
40 05 19 00-2483 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,423.22	1,839.48
<i>For Class 52 Rating, Deduct</i>	-3,589.97	
<i>For Class 54 Rating, Add</i>	4,928.86	
<i>For Class 55 Rating, Add</i>	7,344.75	
<i>For Class 56 Rating, Add</i>	9,727.99	
40 05 19 00-2484 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,284.29	1,843.68
<i>For Class 52 Rating, Deduct</i>	-3,683.99	
<i>For Class 54 Rating, Add</i>	5,057.15	
<i>For Class 55 Rating, Add</i>	7,535.50	
<i>For Class 56 Rating, Add</i>	9,980.36	
40 05 19 00-2485 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,145.35	1,847.88
<i>For Class 52 Rating, Deduct</i>	-3,778.01	
<i>For Class 54 Rating, Add</i>	5,185.43	
<i>For Class 55 Rating, Add</i>	7,726.25	
<i>For Class 56 Rating, Add</i>	10,232.72	
40 05 19 00-2486 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,006.41	1,852.08
<i>For Class 52 Rating, Deduct</i>	-3,872.03	
<i>For Class 54 Rating, Add</i>	5,313.71	
<i>For Class 55 Rating, Add</i>	7,917.00	
<i>For Class 56 Rating, Add</i>	10,485.09	
40 05 19 00-2487 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,867.47	1,856.29
<i>For Class 52 Rating, Deduct</i>	-3,966.04	
<i>For Class 54 Rating, Add</i>	5,441.99	
<i>For Class 55 Rating, Add</i>	8,107.75	
<i>For Class 56 Rating, Add</i>	10,737.46	
40 05 19 00-2488 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,728.54	1,860.48
<i>For Class 52 Rating, Deduct</i>	-4,060.06	
<i>For Class 54 Rating, Add</i>	5,570.27	
<i>For Class 55 Rating, Add</i>	8,298.50	
<i>For Class 56 Rating, Add</i>	10,989.82	
40 05 19 00-2489 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,589.61	1,864.69
<i>For Class 52 Rating, Deduct</i>	-4,154.08	
<i>For Class 54 Rating, Add</i>	5,698.55	
<i>For Class 55 Rating, Add</i>	8,489.25	
<i>For Class 56 Rating, Add</i>	11,242.19	
40 05 19 00-2490 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,450.67	1,868.88
<i>For Class 52 Rating, Deduct</i>	-4,248.09	
<i>For Class 54 Rating, Add</i>	5,826.84	
<i>For Class 55 Rating, Add</i>	8,680.01	
<i>For Class 56 Rating, Add</i>	11,494.56	
40 05 19 00-2491 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,311.74	1,873.08
<i>For Class 52 Rating, Deduct</i>	-4,342.11	
<i>For Class 54 Rating, Add</i>	5,955.12	
<i>For Class 55 Rating, Add</i>	8,870.76	
<i>For Class 56 Rating, Add</i>	11,746.92	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-2492		36" Flanged (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>			
40 05 19 00-2493	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,169.25		2,192.26
		For Class 52 Rating, Deduct	-1,633.24		
		For Class 54 Rating, Add	2,267.01		
		For Class 55 Rating, Add	3,390.74		
		For Class 56 Rating, Add	4,499.63		
40 05 19 00-2494	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,322.72		2,196.46
		For Class 52 Rating, Deduct	-1,759.42		
		For Class 54 Rating, Add	2,439.15		
		For Class 55 Rating, Add	3,646.70		
		For Class 56 Rating, Add	4,838.26		
40 05 19 00-2495	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,476.17		2,200.66
		For Class 52 Rating, Deduct	-1,885.60		
		For Class 54 Rating, Add	2,611.29		
		For Class 55 Rating, Add	3,902.65		
		For Class 56 Rating, Add	5,176.88		
40 05 19 00-2496	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,629.63		2,204.86
		For Class 52 Rating, Deduct	-2,011.78		
		For Class 54 Rating, Add	2,783.43		
		For Class 55 Rating, Add	4,158.61		
		For Class 56 Rating, Add	5,515.50		
40 05 19 00-2497	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,783.10		2,209.06
		For Class 52 Rating, Deduct	-2,137.96		
		For Class 54 Rating, Add	2,955.57		
		For Class 55 Rating, Add	4,414.57		
		For Class 56 Rating, Add	5,854.13		
40 05 19 00-2498	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,936.56		2,213.26
		For Class 52 Rating, Deduct	-2,264.15		
		For Class 54 Rating, Add	3,127.71		
		For Class 55 Rating, Add	4,670.52		
		For Class 56 Rating, Add	6,192.75		
40 05 19 00-2499	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,090.02		2,217.46
		For Class 52 Rating, Deduct	-2,390.33		
		For Class 54 Rating, Add	3,299.85		
		For Class 55 Rating, Add	4,926.48		
		For Class 56 Rating, Add	6,531.37		
40 05 19 00-2500	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,243.49		2,221.66
		For Class 52 Rating, Deduct	-2,516.51		
		For Class 54 Rating, Add	3,471.99		
		For Class 55 Rating, Add	5,182.43		
		For Class 56 Rating, Add	6,870.00		
40 05 19 00-2501	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,396.95		2,225.85
		For Class 52 Rating, Deduct	-2,642.69		
		For Class 54 Rating, Add	3,644.14		
		For Class 55 Rating, Add	5,438.39		
		For Class 56 Rating, Add	7,208.62		
40 05 19 00-2502	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,550.41		2,230.06
		For Class 52 Rating, Deduct	-2,768.87		
		For Class 54 Rating, Add	3,816.28		
		For Class 55 Rating, Add	5,694.35		
		For Class 56 Rating, Add	7,547.24		
40 05 19 00-2503	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,703.88		2,234.26
		For Class 52 Rating, Deduct	-2,895.05		
		For Class 54 Rating, Add	3,988.42		
		For Class 55 Rating, Add	5,950.30		
		For Class 56 Rating, Add	7,885.87		
40 05 19 00-2504	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,857.34		2,238.46
		For Class 52 Rating, Deduct	-3,021.23		
		For Class 54 Rating, Add	4,160.56		
		For Class 55 Rating, Add	6,206.26		
		For Class 56 Rating, Add	8,224.49		
40 05 19 00-2505	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,010.80		2,242.66
		For Class 52 Rating, Deduct	-3,147.41		
		For Class 54 Rating, Add	4,332.70		
		For Class 55 Rating, Add	6,462.21		
		For Class 56 Rating, Add	8,563.11		
40 05 19 00-2506	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,164.27		2,246.86
		For Class 52 Rating, Deduct	-3,273.59		
		For Class 54 Rating, Add	4,504.84		
		For Class 55 Rating, Add	6,718.17		
		For Class 56 Rating, Add	8,901.74		



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2507	EA			36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,317.73	2,251.06
				<i>For Class 52 Rating, Deduct</i>	-3,399.77	
				<i>For Class 54 Rating, Add</i>	4,676.98	
				<i>For Class 55 Rating, Add</i>	6,974.13	
				<i>For Class 56 Rating, Add</i>	9,240.36	
40 05 19 00-2508	EA			36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,471.19	2,255.25
				<i>For Class 52 Rating, Deduct</i>	-3,525.96	
				<i>For Class 54 Rating, Add</i>	4,849.13	
				<i>For Class 55 Rating, Add</i>	7,230.08	
				<i>For Class 56 Rating, Add</i>	9,578.99	
40 05 19 00-2509	EA			36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,624.66	2,259.46
				<i>For Class 52 Rating, Deduct</i>	-3,652.14	
				<i>For Class 54 Rating, Add</i>	5,021.27	
				<i>For Class 55 Rating, Add</i>	7,486.04	
				<i>For Class 56 Rating, Add</i>	9,917.61	
40 05 19 00-2510	EA			36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,778.12	2,263.65
				<i>For Class 52 Rating, Deduct</i>	-3,778.32	
				<i>For Class 54 Rating, Add</i>	5,193.41	
				<i>For Class 55 Rating, Add</i>	7,741.99	
				<i>For Class 56 Rating, Add</i>	10,256.23	
40 05 19 00-2511	EA			36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,931.58	2,267.86
				<i>For Class 52 Rating, Deduct</i>	-3,904.50	
				<i>For Class 54 Rating, Add</i>	5,365.55	
				<i>For Class 55 Rating, Add</i>	7,997.95	
				<i>For Class 56 Rating, Add</i>	10,594.86	
40 05 19 00-2512	EA			36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,085.05	2,272.05
				<i>For Class 52 Rating, Deduct</i>	-4,030.68	
				<i>For Class 54 Rating, Add</i>	5,537.69	
				<i>For Class 55 Rating, Add</i>	8,253.91	
				<i>For Class 56 Rating, Add</i>	10,933.48	
40 05 19 00-2513	EA			36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,238.51	2,276.26
				<i>For Class 52 Rating, Deduct</i>	-4,156.86	
				<i>For Class 54 Rating, Add</i>	5,709.83	
				<i>For Class 55 Rating, Add</i>	8,509.86	
				<i>For Class 56 Rating, Add</i>	11,272.10	
40 05 19 00-2514	EA			36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,391.97	2,280.46
				<i>For Class 52 Rating, Deduct</i>	-4,283.04	
				<i>For Class 54 Rating, Add</i>	5,881.97	
				<i>For Class 55 Rating, Add</i>	8,765.82	
				<i>For Class 56 Rating, Add</i>	11,610.73	
40 05 19 00-2515	EA			36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,545.44	2,284.65
				<i>For Class 52 Rating, Deduct</i>	-4,409.22	
				<i>For Class 54 Rating, Add</i>	6,054.12	
				<i>For Class 55 Rating, Add</i>	9,021.77	
				<i>For Class 56 Rating, Add</i>	11,949.35	
40 05 19 00-2516	EA			36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,698.90	2,288.86
				<i>For Class 52 Rating, Deduct</i>	-4,535.40	
				<i>For Class 54 Rating, Add</i>	6,226.26	
				<i>For Class 55 Rating, Add</i>	9,277.73	
				<i>For Class 56 Rating, Add</i>	12,287.97	
40 05 19 00-2517	EA			36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,852.37	2,293.05
				<i>For Class 52 Rating, Deduct</i>	-4,661.58	
				<i>For Class 54 Rating, Add</i>	6,398.40	
				<i>For Class 55 Rating, Add</i>	9,533.69	
				<i>For Class 56 Rating, Add</i>	12,626.60	
40 05 19 00-2518	EA			36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,005.83	2,297.26
				<i>For Class 52 Rating, Deduct</i>	-4,787.77	
				<i>For Class 54 Rating, Add</i>	6,570.54	
				<i>For Class 55 Rating, Add</i>	9,789.64	
				<i>For Class 56 Rating, Add</i>	12,965.22	
40 05 19 00-2519	EA			36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,159.29	2,301.45
				<i>For Class 52 Rating, Deduct</i>	-4,913.95	
				<i>For Class 54 Rating, Add</i>	6,742.68	
				<i>For Class 55 Rating, Add</i>	10,045.60	
				<i>For Class 56 Rating, Add</i>	13,303.84	
40 05 19 00-2520	EA			36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,312.76	2,305.66
				<i>For Class 52 Rating, Deduct</i>	-5,040.13	
				<i>For Class 54 Rating, Add</i>	6,914.82	
				<i>For Class 55 Rating, Add</i>	10,301.55	
				<i>For Class 56 Rating, Add</i>	13,642.47	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2521	EA		36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,466.22	2,309.85
			<i>For Class 52 Rating, Deduct</i>	-5,166.31	
			<i>For Class 54 Rating, Add</i>	7,086.96	
			<i>For Class 55 Rating, Add</i>	10,557.51	
			<i>For Class 56 Rating, Add</i>	13,981.09	
40 05 19 00-2522	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,619.68	2,314.05
			<i>For Class 52 Rating, Deduct</i>	-5,292.49	
			<i>For Class 54 Rating, Add</i>	7,259.10	
			<i>For Class 55 Rating, Add</i>	10,813.47	
			<i>For Class 56 Rating, Add</i>	14,319.72	
40 05 19 00-2523	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,773.15	2,318.25
			<i>For Class 52 Rating, Deduct</i>	-5,418.67	
			<i>For Class 54 Rating, Add</i>	7,431.25	
			<i>For Class 55 Rating, Add</i>	11,069.42	
			<i>For Class 56 Rating, Add</i>	14,658.34	
40 05 19 00-2524	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,926.61	2,322.45
			<i>For Class 52 Rating, Deduct</i>	-5,544.85	
			<i>For Class 54 Rating, Add</i>	7,603.39	
			<i>For Class 55 Rating, Add</i>	11,325.38	
			<i>For Class 56 Rating, Add</i>	14,996.96	
40 05 19 00-2525	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,080.07	2,326.66
			<i>For Class 52 Rating, Deduct</i>	-5,671.03	
			<i>For Class 54 Rating, Add</i>	7,775.53	
			<i>For Class 55 Rating, Add</i>	11,581.33	
			<i>For Class 56 Rating, Add</i>	15,335.59	
40 05 19 00-2526	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,233.54	2,330.85
			<i>For Class 52 Rating, Deduct</i>	-5,797.21	
			<i>For Class 54 Rating, Add</i>	7,947.67	
			<i>For Class 55 Rating, Add</i>	11,837.29	
			<i>For Class 56 Rating, Add</i>	15,674.21	
40 05 19 00-2527	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,387.00	2,335.06
			<i>For Class 52 Rating, Deduct</i>	-5,923.39	
			<i>For Class 54 Rating, Add</i>	8,119.81	
			<i>For Class 55 Rating, Add</i>	12,093.25	
			<i>For Class 56 Rating, Add</i>	16,012.83	
40 05 19 00-2528			42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2529	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,994.16	2,763.42
			<i>For Class 52 Rating, Deduct</i>	-2,178.79	
			<i>For Class 54 Rating, Add</i>	3,021.32	
			<i>For Class 55 Rating, Add</i>	4,517.48	
			<i>For Class 56 Rating, Add</i>	5,993.84	
40 05 19 00-2530	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,687.44	2,767.63
			<i>For Class 52 Rating, Deduct</i>	-2,364.35	
			<i>For Class 54 Rating, Add</i>	3,274.43	
			<i>For Class 55 Rating, Add</i>	4,893.82	
			<i>For Class 56 Rating, Add</i>	6,491.71	
40 05 19 00-2531	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,366.65	2,771.82
			<i>For Class 52 Rating, Deduct</i>	-2,548.36	
			<i>For Class 54 Rating, Add</i>	3,525.43	
			<i>For Class 55 Rating, Add</i>	5,267.02	
			<i>For Class 56 Rating, Add</i>	6,985.43	
40 05 19 00-2532	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,062.74	2,776.03
			<i>For Class 52 Rating, Deduct</i>	-2,734.23	
			<i>For Class 54 Rating, Add</i>	3,778.97	
			<i>For Class 55 Rating, Add</i>	5,643.98	
			<i>For Class 56 Rating, Add</i>	7,484.13	
40 05 19 00-2533	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,747.59	2,780.22
			<i>For Class 52 Rating, Deduct</i>	-2,918.86	
			<i>For Class 54 Rating, Add</i>	4,030.82	
			<i>For Class 55 Rating, Add</i>	6,018.43	
			<i>For Class 56 Rating, Add</i>	7,979.51	
40 05 19 00-2534	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,449.29	2,784.42
			<i>For Class 52 Rating, Deduct</i>	-3,105.35	
			<i>For Class 54 Rating, Add</i>	4,285.20	
			<i>For Class 55 Rating, Add</i>	6,396.65	
			<i>For Class 56 Rating, Add</i>	8,479.87	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2535	EA			42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,134.13	2,788.62
				<i>For Class 52 Rating, Deduct</i>	-3,289.98	
				<i>For Class 54 Rating, Add</i>	4,537.04	
				<i>For Class 55 Rating, Add</i>	6,771.10	
				<i>For Class 56 Rating, Add</i>	8,975.25	
40 05 19 00-2536	EA			42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,838.66	2,792.82
				<i>For Class 52 Rating, Deduct</i>	-3,476.78	
				<i>For Class 54 Rating, Add</i>	4,791.85	
				<i>For Class 55 Rating, Add</i>	7,149.94	
				<i>For Class 56 Rating, Add</i>	9,476.43	
40 05 19 00-2537	EA			42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,529.12	2,797.02
				<i>For Class 52 Rating, Deduct</i>	-3,662.03	
				<i>For Class 54 Rating, Add</i>	5,044.54	
				<i>For Class 55 Rating, Add</i>	7,525.65	
				<i>For Class 56 Rating, Add</i>	9,973.47	
40 05 19 00-2538	EA			42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,233.65	2,801.22
				<i>For Class 52 Rating, Deduct</i>	-3,848.83	
				<i>For Class 54 Rating, Add</i>	5,299.34	
				<i>For Class 55 Rating, Add</i>	7,904.49	
				<i>For Class 56 Rating, Add</i>	10,474.66	
40 05 19 00-2539	EA			42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,924.11	2,805.43
				<i>For Class 52 Rating, Deduct</i>	-4,034.08	
				<i>For Class 54 Rating, Add</i>	5,552.03	
				<i>For Class 55 Rating, Add</i>	8,280.20	
				<i>For Class 56 Rating, Add</i>	10,971.70	
40 05 19 00-2540	EA			42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,631.44	2,809.62
				<i>For Class 52 Rating, Deduct</i>	-4,221.19	
				<i>For Class 54 Rating, Add</i>	5,807.25	
				<i>For Class 55 Rating, Add</i>	8,659.67	
				<i>For Class 56 Rating, Add</i>	11,473.71	
40 05 19 00-2541	EA			42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,321.91	2,813.83
				<i>For Class 52 Rating, Deduct</i>	-4,406.44	
				<i>For Class 54 Rating, Add</i>	6,059.94	
				<i>For Class 55 Rating, Add</i>	9,035.38	
				<i>For Class 56 Rating, Add</i>	11,970.75	
40 05 19 00-2542	EA			42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,017.99	2,818.02
				<i>For Class 52 Rating, Deduct</i>	-4,592.31	
				<i>For Class 54 Rating, Add</i>	6,313.48	
				<i>For Class 55 Rating, Add</i>	9,412.34	
				<i>For Class 56 Rating, Add</i>	12,469.45	
40 05 19 00-2543	EA			42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,722.51	2,822.22
				<i>For Class 52 Rating, Deduct</i>	-4,779.11	
				<i>For Class 54 Rating, Add</i>	6,568.28	
				<i>For Class 55 Rating, Add</i>	9,791.18	
				<i>For Class 56 Rating, Add</i>	12,970.63	
40 05 19 00-2544	EA			42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,415.79	2,826.42
				<i>For Class 52 Rating, Deduct</i>	-4,964.67	
				<i>For Class 54 Rating, Add</i>	6,821.39	
				<i>For Class 55 Rating, Add</i>	10,167.51	
				<i>For Class 56 Rating, Add</i>	13,468.50	
40 05 19 00-2545	EA			42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,128.74	2,830.62
				<i>For Class 52 Rating, Deduct</i>	-5,152.39	
				<i>For Class 54 Rating, Add</i>	7,077.45	
				<i>For Class 55 Rating, Add</i>	10,548.23	
				<i>For Class 56 Rating, Add</i>	13,972.17	
40 05 19 00-2546	EA			42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,824.83	2,834.82
				<i>For Class 52 Rating, Deduct</i>	-5,338.26	
				<i>For Class 54 Rating, Add</i>	7,330.99	
				<i>For Class 55 Rating, Add</i>	10,925.20	
				<i>For Class 56 Rating, Add</i>	14,470.87	
40 05 19 00-2547	EA			42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,534.98	2,839.02
				<i>For Class 52 Rating, Deduct</i>	-5,525.68	
				<i>For Class 54 Rating, Add</i>	7,586.63	
				<i>For Class 55 Rating, Add</i>	11,305.29	
				<i>For Class 56 Rating, Add</i>	14,973.72	
40 05 19 00-2548	EA			42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,228.25	2,843.22
				<i>For Class 52 Rating, Deduct</i>	-5,711.24	
				<i>For Class 54 Rating, Add</i>	7,839.75	
				<i>For Class 55 Rating, Add</i>	11,681.63	
				<i>For Class 56 Rating, Add</i>	15,471.59	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2549	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		57,944.01	2,847.42
		<i>For Class 52 Rating, Deduct</i>		-5,899.27	
		<i>For Class 54 Rating, Add</i>		8,096.23	
		<i>For Class 55 Rating, Add</i>		12,062.97	
		<i>For Class 56 Rating, Add</i>		15,976.09	
40 05 19 00-2550	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		59,640.11	2,851.62
		<i>For Class 52 Rating, Deduct</i>		-6,085.14	
		<i>For Class 54 Rating, Add</i>		8,349.77	
		<i>For Class 55 Rating, Add</i>		12,439.94	
		<i>For Class 56 Rating, Add</i>		16,474.79	
40 05 19 00-2551	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		61,350.25	2,855.82
		<i>For Class 52 Rating, Deduct</i>		-6,272.56	
		<i>For Class 54 Rating, Add</i>		8,605.41	
		<i>For Class 55 Rating, Add</i>		12,820.03	
		<i>For Class 56 Rating, Add</i>		16,977.63	
40 05 19 00-2552	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		63,046.33	2,860.02
		<i>For Class 52 Rating, Deduct</i>		-6,458.43	
		<i>For Class 54 Rating, Add</i>		8,858.95	
		<i>For Class 55 Rating, Add</i>		13,196.99	
		<i>For Class 56 Rating, Add</i>		17,476.33	
40 05 19 00-2553	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		64,762.11	2,864.22
		<i>For Class 52 Rating, Deduct</i>		-6,646.46	
		<i>For Class 54 Rating, Add</i>		9,115.43	
		<i>For Class 55 Rating, Add</i>		13,578.34	
		<i>For Class 56 Rating, Add</i>		17,980.83	
40 05 19 00-2554	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		66,458.19	2,868.42
		<i>For Class 52 Rating, Deduct</i>		-6,832.33	
		<i>For Class 54 Rating, Add</i>		9,368.97	
		<i>For Class 55 Rating, Add</i>		13,955.30	
		<i>For Class 56 Rating, Add</i>		18,479.53	
40 05 19 00-2555	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		68,168.33	2,872.62
		<i>For Class 52 Rating, Deduct</i>		-7,019.75	
		<i>For Class 54 Rating, Add</i>		9,624.61	
		<i>For Class 55 Rating, Add</i>		14,335.40	
		<i>For Class 56 Rating, Add</i>		18,982.37	
40 05 19 00-2556	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		69,867.24	2,876.82
		<i>For Class 52 Rating, Deduct</i>		-7,205.93	
		<i>For Class 54 Rating, Add</i>		9,878.57	
		<i>For Class 55 Rating, Add</i>		14,712.99	
		<i>For Class 56 Rating, Add</i>		19,481.90	
40 05 19 00-2557	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		71,242.81	2,881.01
		<i>For Class 52 Rating, Deduct</i>		-7,356.54	
		<i>For Class 54 Rating, Add</i>		10,084.03	
		<i>For Class 55 Rating, Add</i>		15,018.48	
		<i>For Class 56 Rating, Add</i>		19,886.05	
40 05 19 00-2558	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		73,279.08	2,885.22
		<i>For Class 52 Rating, Deduct</i>		-7,579.83	
		<i>For Class 54 Rating, Add</i>		10,388.59	
		<i>For Class 55 Rating, Add</i>		15,471.30	
		<i>For Class 56 Rating, Add</i>		20,485.10	
40 05 19 00-2559	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		74,975.18	2,889.41
		<i>For Class 52 Rating, Deduct</i>		-7,765.70	
		<i>For Class 54 Rating, Add</i>		10,642.13	
		<i>For Class 55 Rating, Add</i>		15,848.26	
		<i>For Class 56 Rating, Add</i>		20,983.80	
40 05 19 00-2560	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		76,688.13	2,893.62
		<i>For Class 52 Rating, Deduct</i>		-7,953.42	
		<i>For Class 54 Rating, Add</i>		10,898.19	
		<i>For Class 55 Rating, Add</i>		16,228.98	
		<i>For Class 56 Rating, Add</i>		21,487.47	
40 05 19 00-2561	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		78,387.03	2,897.82
		<i>For Class 52 Rating, Deduct</i>		-8,139.60	
		<i>For Class 54 Rating, Add</i>		11,152.15	
		<i>For Class 55 Rating, Add</i>		16,606.57	
		<i>For Class 56 Rating, Add</i>		21,987.00	
40 05 19 00-2562	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		80,102.80	2,902.02
		<i>For Class 52 Rating, Deduct</i>		-8,327.64	
		<i>For Class 54 Rating, Add</i>		11,408.63	
		<i>For Class 55 Rating, Add</i>		16,987.92	
		<i>For Class 56 Rating, Add</i>		22,491.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2563 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,796.06	2,906.22
For Class 52 Rating, Deduct	-8,513.20	
For Class 54 Rating, Add	11,661.75	
For Class 55 Rating, Add	17,364.25	
For Class 56 Rating, Add	22,989.37	
40 05 19 00-2564 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2565 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,096.55	3,473.18
For Class 52 Rating, Deduct	-2,731.76	
For Class 54 Rating, Add	3,788.27	
For Class 55 Rating, Add	5,664.32	
For Class 56 Rating, Add	7,515.52	
40 05 19 00-2566 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,515.19	3,477.38
For Class 52 Rating, Deduct	-2,997.11	
For Class 54 Rating, Add	4,150.19	
For Class 55 Rating, Add	6,202.41	
For Class 56 Rating, Add	8,227.37	
40 05 19 00-2567 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,939.47	3,481.58
For Class 52 Rating, Deduct	-3,263.08	
For Class 54 Rating, Add	4,512.95	
For Class 55 Rating, Add	6,741.75	
For Class 56 Rating, Add	8,940.89	
40 05 19 00-2568 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,391.85	3,485.78
For Class 52 Rating, Deduct	-3,532.14	
For Class 54 Rating, Add	4,879.93	
For Class 55 Rating, Add	7,287.37	
For Class 56 Rating, Add	9,662.69	
40 05 19 00-2569 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,835.80	3,489.98
For Class 52 Rating, Deduct	-3,800.28	
For Class 54 Rating, Add	5,245.65	
For Class 55 Rating, Add	7,831.10	
For Class 56 Rating, Add	10,382.01	
40 05 19 00-2570 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,285.38	3,494.18
For Class 52 Rating, Deduct	-4,069.03	
For Class 54 Rating, Add	5,612.21	
For Class 55 Rating, Add	8,376.09	
For Class 56 Rating, Add	11,102.99	
40 05 19 00-2571 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,751.82	3,498.37
For Class 52 Rating, Deduct	-4,339.64	
For Class 54 Rating, Add	5,981.29	
For Class 55 Rating, Add	8,924.84	
For Class 56 Rating, Add	11,828.94	
40 05 19 00-2572 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,212.65	3,502.58
For Class 52 Rating, Deduct	-4,609.63	
For Class 54 Rating, Add	6,349.54	
For Class 55 Rating, Add	9,472.34	
For Class 56 Rating, Add	12,553.23	
40 05 19 00-2573 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,670.65	3,506.77
For Class 52 Rating, Deduct	-4,879.31	
For Class 54 Rating, Add	6,717.36	
For Class 55 Rating, Add	10,019.21	
For Class 56 Rating, Add	13,276.70	
40 05 19 00-2574 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,153.96	3,510.98
For Class 52 Rating, Deduct	-5,151.77	
For Class 54 Rating, Add	7,088.98	
For Class 55 Rating, Add	10,571.72	
For Class 56 Rating, Add	14,007.63	
40 05 19 00-2575 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,620.41	3,515.18
For Class 52 Rating, Deduct	-5,422.38	
For Class 54 Rating, Add	7,458.07	
For Class 55 Rating, Add	11,120.47	
For Class 56 Rating, Add	14,733.58	
40 05 19 00-2576 EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,106.53	3,519.38
For Class 52 Rating, Deduct	-5,695.16	
For Class 54 Rating, Add	7,830.11	
For Class 55 Rating, Add	11,673.61	
For Class 56 Rating, Add	15,465.34	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2577	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,578.59	3,523.58
			For Class 52 Rating, Deduct	-5,966.38	
			For Class 54 Rating, Add	8,200.04	
			For Class 55 Rating, Add	12,223.61	
			For Class 56 Rating, Add	16,192.95	
40 05 19 00-2578	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,053.48	3,527.77
			For Class 52 Rating, Deduct	-6,237.92	
			For Class 54 Rating, Add	8,570.40	
			For Class 55 Rating, Add	12,774.25	
			For Class 56 Rating, Add	16,921.39	
40 05 19 00-2579	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,545.22	3,531.98
			For Class 52 Rating, Deduct	-6,511.31	
			For Class 54 Rating, Add	8,943.28	
			For Class 55 Rating, Add	13,328.64	
			For Class 56 Rating, Add	17,654.81	
40 05 19 00-2580	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,025.72	3,536.17
			For Class 52 Rating, Deduct	-6,783.47	
			For Class 54 Rating, Add	9,314.48	
			For Class 55 Rating, Add	13,880.53	
			For Class 56 Rating, Add	18,384.91	
40 05 19 00-2581	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,503.42	3,540.38
			For Class 52 Rating, Deduct	-7,055.31	
			For Class 54 Rating, Add	9,685.25	
			For Class 55 Rating, Add	14,431.78	
			For Class 56 Rating, Add	19,114.18	
40 05 19 00-2582	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,000.78	3,544.57
			For Class 52 Rating, Deduct	-7,329.32	
			For Class 54 Rating, Add	10,058.98	
			For Class 55 Rating, Add	14,987.43	
			For Class 56 Rating, Add	19,849.25	
40 05 19 00-2583	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,484.09	3,548.78
			For Class 52 Rating, Deduct	-7,601.79	
			For Class 54 Rating, Add	10,430.60	
			For Class 55 Rating, Add	15,539.94	
			For Class 56 Rating, Add	20,580.18	
40 05 19 00-2584	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,964.60	3,552.97
			For Class 52 Rating, Deduct	-7,873.94	
			For Class 54 Rating, Add	10,801.79	
			For Class 55 Rating, Add	16,091.83	
			For Class 56 Rating, Add	21,310.28	
40 05 19 00-2585	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,464.78	3,557.17
			For Class 52 Rating, Deduct	-8,148.26	
			For Class 54 Rating, Add	11,175.94	
			For Class 55 Rating, Add	16,648.10	
			For Class 56 Rating, Add	22,046.19	
40 05 19 00-2586	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,953.71	3,561.38
			For Class 52 Rating, Deduct	-8,421.35	
			For Class 54 Rating, Add	11,548.41	
			For Class 55 Rating, Add	17,201.87	
			For Class 56 Rating, Add	22,778.78	
40 05 19 00-2587	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,437.03	3,565.57
			For Class 52 Rating, Deduct	-8,693.81	
			For Class 54 Rating, Add	11,920.02	
			For Class 55 Rating, Add	17,754.38	
			For Class 56 Rating, Add	23,509.70	
40 05 19 00-2588	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,940.02	3,569.78
			For Class 52 Rating, Deduct	-8,968.44	
			For Class 54 Rating, Add	12,294.60	
			For Class 55 Rating, Add	18,311.28	
			For Class 56 Rating, Add	24,246.44	
40 05 19 00-2589	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,428.95	3,573.97
			For Class 52 Rating, Deduct	-9,241.52	
			For Class 54 Rating, Add	12,667.06	
			For Class 55 Rating, Add	18,865.05	
			For Class 56 Rating, Add	24,979.03	
40 05 19 00-2590	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,915.08	3,578.18
			For Class 52 Rating, Deduct	-9,514.30	
			For Class 54 Rating, Add	13,039.10	
			For Class 55 Rating, Add	19,418.19	
			For Class 56 Rating, Add	25,710.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2591 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,420.88	3,582.37
<i>For Class 52 Rating, Deduct</i>	-9,789.23	
<i>For Class 54 Rating, Add</i>	13,414.09	
<i>For Class 55 Rating, Add</i>	19,975.72	
<i>For Class 56 Rating, Add</i>	26,448.35	
40 05 19 00-2592 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,912.63	3,586.57
<i>For Class 52 Rating, Deduct</i>	-10,062.63	
<i>For Class 54 Rating, Add</i>	13,786.97	
<i>For Class 55 Rating, Add</i>	20,530.11	
<i>For Class 56 Rating, Add</i>	27,181.77	
40 05 19 00-2593 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	99,111.98	3,590.77
<i>For Class 52 Rating, Deduct</i>	-10,303.86	
<i>For Class 54 Rating, Add</i>	14,116.00	
<i>For Class 55 Rating, Add</i>	21,019.30	
<i>For Class 56 Rating, Add</i>	27,828.93	
40 05 19 00-2594 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,910.18	3,594.97
<i>For Class 52 Rating, Deduct</i>	-10,610.96	
<i>For Class 54 Rating, Add</i>	14,534.85	
<i>For Class 55 Rating, Add</i>	21,642.03	
<i>For Class 56 Rating, Add</i>	28,652.75	
40 05 19 00-2595 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,399.12	3,599.17
<i>For Class 52 Rating, Deduct</i>	-10,884.04	
<i>For Class 54 Rating, Add</i>	14,907.31	
<i>For Class 55 Rating, Add</i>	22,195.80	
<i>For Class 56 Rating, Add</i>	29,385.34	
40 05 19 00-2596 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	106,910.55	3,603.37
<i>For Class 52 Rating, Deduct</i>	-11,159.60	
<i>For Class 54 Rating, Add</i>	15,283.15	
<i>For Class 55 Rating, Add</i>	22,754.58	
<i>For Class 56 Rating, Add</i>	30,124.56	
40 05 19 00-2597 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	109,399.47	3,607.57
<i>For Class 52 Rating, Deduct</i>	-11,432.68	
<i>For Class 54 Rating, Add</i>	15,655.61	
<i>For Class 55 Rating, Add</i>	23,308.35	
<i>For Class 56 Rating, Add</i>	30,857.15	
40 05 19 00-2598 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,888.41	3,611.77
<i>For Class 52 Rating, Deduct</i>	-11,705.76	
<i>For Class 54 Rating, Add</i>	16,028.07	
<i>For Class 55 Rating, Add</i>	23,862.11	
<i>For Class 56 Rating, Add</i>	31,589.73	
40 05 19 00-2599 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	114,402.65	3,615.97
<i>For Class 52 Rating, Deduct</i>	-11,981.63	
<i>For Class 54 Rating, Add</i>	16,404.33	
<i>For Class 55 Rating, Add</i>	24,421.52	
<i>For Class 56 Rating, Add</i>	32,329.79	
40 05 19 00-2600 Flanged End x Grooved End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2599)</small>		
40 05 19 00-2601 4" Flanged End x Grooved End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2602 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	794.44	192.19
<i>For Class 52 Rating, Deduct</i>	-55.36	
<i>For Class 54 Rating, Add</i>	78.98	
<i>For Class 55 Rating, Add</i>	119.22	
<i>For Class 56 Rating, Add</i>	158.94	
40 05 19 00-2603 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	906.37	195.54
<i>For Class 52 Rating, Deduct</i>	-67.11	
<i>For Class 54 Rating, Add</i>	95.07	
<i>For Class 55 Rating, Add</i>	143.16	
<i>For Class 56 Rating, Add</i>	190.65	
40 05 19 00-2604 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,018.31	198.90
<i>For Class 52 Rating, Deduct</i>	-78.86	
<i>For Class 54 Rating, Add</i>	111.16	
<i>For Class 55 Rating, Add</i>	167.11	
<i>For Class 56 Rating, Add</i>	222.35	
40 05 19 00-2605 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,130.23	202.26
<i>For Class 52 Rating, Deduct</i>	-90.62	
<i>For Class 54 Rating, Add</i>	127.24	
<i>For Class 55 Rating, Add</i>	191.06	
<i>For Class 56 Rating, Add</i>	254.05	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2606	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,242.15	205.62
			<i>For Class 52 Rating, Deduct</i>	-102.37	
			<i>For Class 54 Rating, Add</i>	143.33	
			<i>For Class 55 Rating, Add</i>	215.00	
			<i>For Class 56 Rating, Add</i>	285.75	
40 05 19 00-2607	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,354.08	208.98
			<i>For Class 52 Rating, Deduct</i>	-114.12	
			<i>For Class 54 Rating, Add</i>	159.42	
			<i>For Class 55 Rating, Add</i>	238.95	
			<i>For Class 56 Rating, Add</i>	317.45	
40 05 19 00-2608	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,466.02	212.34
			<i>For Class 52 Rating, Deduct</i>	-125.87	
			<i>For Class 54 Rating, Add</i>	175.50	
			<i>For Class 55 Rating, Add</i>	262.90	
			<i>For Class 56 Rating, Add</i>	349.15	
40 05 19 00-2609	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,577.95	215.70
			<i>For Class 52 Rating, Deduct</i>	-137.62	
			<i>For Class 54 Rating, Add</i>	191.59	
			<i>For Class 55 Rating, Add</i>	286.85	
			<i>For Class 56 Rating, Add</i>	380.85	
40 05 19 00-2610	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,689.86	219.06
			<i>For Class 52 Rating, Deduct</i>	-149.38	
			<i>For Class 54 Rating, Add</i>	207.68	
			<i>For Class 55 Rating, Add</i>	310.79	
			<i>For Class 56 Rating, Add</i>	412.55	
40 05 19 00-2611	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,801.80	222.42
			<i>For Class 52 Rating, Deduct</i>	-161.13	
			<i>For Class 54 Rating, Add</i>	223.76	
			<i>For Class 55 Rating, Add</i>	334.74	
			<i>For Class 56 Rating, Add</i>	444.25	
40 05 19 00-2612	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,913.73	225.78
			<i>For Class 52 Rating, Deduct</i>	-172.88	
			<i>For Class 54 Rating, Add</i>	239.85	
			<i>For Class 55 Rating, Add</i>	358.69	
			<i>For Class 56 Rating, Add</i>	475.95	
40 05 19 00-2613	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,025.66	229.14
			<i>For Class 52 Rating, Deduct</i>	-184.63	
			<i>For Class 54 Rating, Add</i>	255.94	
			<i>For Class 55 Rating, Add</i>	382.63	
			<i>For Class 56 Rating, Add</i>	507.65	
40 05 19 00-2614	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,137.58	232.50
			<i>For Class 52 Rating, Deduct</i>	-196.39	
			<i>For Class 54 Rating, Add</i>	272.03	
			<i>For Class 55 Rating, Add</i>	406.58	
			<i>For Class 56 Rating, Add</i>	539.35	
40 05 19 00-2615	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,249.51	235.85
			<i>For Class 52 Rating, Deduct</i>	-208.14	
			<i>For Class 54 Rating, Add</i>	288.11	
			<i>For Class 55 Rating, Add</i>	430.53	
			<i>For Class 56 Rating, Add</i>	571.05	
40 05 19 00-2616	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,361.44	239.22
			<i>For Class 52 Rating, Deduct</i>	-219.89	
			<i>For Class 54 Rating, Add</i>	304.20	
			<i>For Class 55 Rating, Add</i>	454.47	
			<i>For Class 56 Rating, Add</i>	602.75	
40 05 19 00-2617	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,473.37	242.58
			<i>For Class 52 Rating, Deduct</i>	-231.64	
			<i>For Class 54 Rating, Add</i>	320.28	
			<i>For Class 55 Rating, Add</i>	478.42	
			<i>For Class 56 Rating, Add</i>	634.45	
40 05 19 00-2618	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,585.31	245.94
			<i>For Class 52 Rating, Deduct</i>	-243.39	
			<i>For Class 54 Rating, Add</i>	336.37	
			<i>For Class 55 Rating, Add</i>	502.37	
			<i>For Class 56 Rating, Add</i>	666.15	
40 05 19 00-2619	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,697.22	249.30
			<i>For Class 52 Rating, Deduct</i>	-255.15	
			<i>For Class 54 Rating, Add</i>	352.46	
			<i>For Class 55 Rating, Add</i>	526.31	
			<i>For Class 56 Rating, Add</i>	697.85	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2620	EA			4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,809.15	252.66
				<i>For Class 52 Rating, Deduct</i>	-266.90	
				<i>For Class 54 Rating, Add</i>	368.54	
				<i>For Class 55 Rating, Add</i>	550.26	
				<i>For Class 56 Rating, Add</i>	729.55	
40 05 19 00-2621	EA			4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,921.08	256.01
				<i>For Class 52 Rating, Deduct</i>	-278.65	
				<i>For Class 54 Rating, Add</i>	384.63	
				<i>For Class 55 Rating, Add</i>	574.21	
				<i>For Class 56 Rating, Add</i>	761.25	
40 05 19 00-2622	EA			4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,033.02	259.37
				<i>For Class 52 Rating, Deduct</i>	-290.40	
				<i>For Class 54 Rating, Add</i>	400.72	
				<i>For Class 55 Rating, Add</i>	598.16	
				<i>For Class 56 Rating, Add</i>	792.95	
40 05 19 00-2623	EA			4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,144.94	262.74
				<i>For Class 52 Rating, Deduct</i>	-302.15	
				<i>For Class 54 Rating, Add</i>	416.81	
				<i>For Class 55 Rating, Add</i>	622.10	
				<i>For Class 56 Rating, Add</i>	824.65	
40 05 19 00-2624	EA			4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,256.86	266.10
				<i>For Class 52 Rating, Deduct</i>	-313.91	
				<i>For Class 54 Rating, Add</i>	432.89	
				<i>For Class 55 Rating, Add</i>	646.05	
				<i>For Class 56 Rating, Add</i>	856.35	
40 05 19 00-2625	EA			4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,368.79	269.46
				<i>For Class 52 Rating, Deduct</i>	-325.66	
				<i>For Class 54 Rating, Add</i>	448.98	
				<i>For Class 55 Rating, Add</i>	670.00	
				<i>For Class 56 Rating, Add</i>	888.05	
40 05 19 00-2626	EA			4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,480.73	272.82
				<i>For Class 52 Rating, Deduct</i>	-337.41	
				<i>For Class 54 Rating, Add</i>	465.07	
				<i>For Class 55 Rating, Add</i>	693.94	
				<i>For Class 56 Rating, Add</i>	919.76	
40 05 19 00-2627	EA			4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,592.66	276.18
				<i>For Class 52 Rating, Deduct</i>	-349.16	
				<i>For Class 54 Rating, Add</i>	481.15	
				<i>For Class 55 Rating, Add</i>	717.89	
				<i>For Class 56 Rating, Add</i>	951.46	
40 05 19 00-2628	EA			4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,704.57	279.53
				<i>For Class 52 Rating, Deduct</i>	-360.91	
				<i>For Class 54 Rating, Add</i>	497.24	
				<i>For Class 55 Rating, Add</i>	741.84	
				<i>For Class 56 Rating, Add</i>	983.15	
40 05 19 00-2629	EA			4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,816.51	282.89
				<i>For Class 52 Rating, Deduct</i>	-372.67	
				<i>For Class 54 Rating, Add</i>	513.33	
				<i>For Class 55 Rating, Add</i>	765.78	
				<i>For Class 56 Rating, Add</i>	1,014.86	
40 05 19 00-2630	EA			4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,928.44	286.26
				<i>For Class 52 Rating, Deduct</i>	-384.42	
				<i>For Class 54 Rating, Add</i>	529.41	
				<i>For Class 55 Rating, Add</i>	789.73	
				<i>For Class 56 Rating, Add</i>	1,046.56	
40 05 19 00-2631	EA			4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,040.37	289.62
				<i>For Class 52 Rating, Deduct</i>	-396.17	
				<i>For Class 54 Rating, Add</i>	545.50	
				<i>For Class 55 Rating, Add</i>	813.68	
				<i>For Class 56 Rating, Add</i>	1,078.26	
40 05 19 00-2632	EA			4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,152.28	292.98
				<i>For Class 52 Rating, Deduct</i>	-407.92	
				<i>For Class 54 Rating, Add</i>	561.59	
				<i>For Class 55 Rating, Add</i>	837.62	
				<i>For Class 56 Rating, Add</i>	1,109.96	
40 05 19 00-2633	EA			4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,264.22	296.34
				<i>For Class 52 Rating, Deduct</i>	-419.68	
				<i>For Class 54 Rating, Add</i>	577.67	
				<i>For Class 55 Rating, Add</i>	861.57	
				<i>For Class 56 Rating, Add</i>	1,141.66	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2634	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,376.15	299.69
			<i>For Class 52 Rating, Deduct</i>	-431.43	
			<i>For Class 54 Rating, Add</i>	593.76	
			<i>For Class 55 Rating, Add</i>	885.52	
			<i>For Class 56 Rating, Add</i>	1,173.36	
40 05 19 00-2635	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,488.08	303.05
			<i>For Class 52 Rating, Deduct</i>	-443.18	
			<i>For Class 54 Rating, Add</i>	609.85	
			<i>For Class 55 Rating, Add</i>	909.47	
			<i>For Class 56 Rating, Add</i>	1,205.06	
40 05 19 00-2636	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,600.02	306.41
			<i>For Class 52 Rating, Deduct</i>	-454.93	
			<i>For Class 54 Rating, Add</i>	625.93	
			<i>For Class 55 Rating, Add</i>	933.41	
			<i>For Class 56 Rating, Add</i>	1,236.76	
40 05 19 00-2637	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,711.93	309.78
			<i>For Class 52 Rating, Deduct</i>	-466.68	
			<i>For Class 54 Rating, Add</i>	642.02	
			<i>For Class 55 Rating, Add</i>	957.36	
			<i>For Class 56 Rating, Add</i>	1,268.46	
40 05 19 00-2638	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,823.86	313.14
			<i>For Class 52 Rating, Deduct</i>	-478.44	
			<i>For Class 54 Rating, Add</i>	658.11	
			<i>For Class 55 Rating, Add</i>	981.31	
			<i>For Class 56 Rating, Add</i>	1,300.16	
40 05 19 00-2639	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,907.67	316.50
			<i>For Class 52 Rating, Deduct</i>	-487.10	
			<i>For Class 54 Rating, Add</i>	669.98	
			<i>For Class 55 Rating, Add</i>	998.98	
			<i>For Class 56 Rating, Add</i>	1,323.56	
40 05 19 00-2640	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,047.73	319.85
			<i>For Class 52 Rating, Deduct</i>	-501.94	
			<i>For Class 54 Rating, Add</i>	690.28	
			<i>For Class 55 Rating, Add</i>	1,029.20	
			<i>For Class 56 Rating, Add</i>	1,363.56	
40 05 19 00-2641 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>					
40 05 19 00-2642	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,027.23	241.90
			<i>For Class 52 Rating, Deduct</i>	-72.68	
			<i>For Class 54 Rating, Add</i>	103.50	
			<i>For Class 55 Rating, Add</i>	156.13	
			<i>For Class 56 Rating, Add</i>	208.10	
40 05 19 00-2643	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,156.02	245.26
			<i>For Class 52 Rating, Deduct</i>	-86.29	
			<i>For Class 54 Rating, Add</i>	122.12	
			<i>For Class 55 Rating, Add</i>	183.84	
			<i>For Class 56 Rating, Add</i>	244.78	
40 05 19 00-2644	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,284.83	248.63
			<i>For Class 52 Rating, Deduct</i>	-99.89	
			<i>For Class 54 Rating, Add</i>	140.74	
			<i>For Class 55 Rating, Add</i>	211.55	
			<i>For Class 56 Rating, Add</i>	281.46	
40 05 19 00-2645	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,413.63	251.99
			<i>For Class 52 Rating, Deduct</i>	-113.50	
			<i>For Class 54 Rating, Add</i>	159.36	
			<i>For Class 55 Rating, Add</i>	239.26	
			<i>For Class 56 Rating, Add</i>	318.13	
40 05 19 00-2646	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,542.41	255.34
			<i>For Class 52 Rating, Deduct</i>	-127.11	
			<i>For Class 54 Rating, Add</i>	177.97	
			<i>For Class 55 Rating, Add</i>	266.97	
			<i>For Class 56 Rating, Add</i>	354.81	
40 05 19 00-2647	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,671.21	258.70
			<i>For Class 52 Rating, Deduct</i>	-140.72	
			<i>For Class 54 Rating, Add</i>	196.59	
			<i>For Class 55 Rating, Add</i>	294.68	
			<i>For Class 56 Rating, Add</i>	391.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2648	EA			6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,800.02	262.06
				<i>For Class 52 Rating, Deduct</i>	-154.32	
				<i>For Class 54 Rating, Add</i>	215.21	
				<i>For Class 55 Rating, Add</i>	322.39	
				<i>For Class 56 Rating, Add</i>	428.16	
40 05 19 00-2649	EA			6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,928.82	265.42
				<i>For Class 52 Rating, Deduct</i>	-167.93	
				<i>For Class 54 Rating, Add</i>	233.82	
				<i>For Class 55 Rating, Add</i>	350.10	
				<i>For Class 56 Rating, Add</i>	464.84	
40 05 19 00-2650	EA			6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,057.60	268.78
				<i>For Class 52 Rating, Deduct</i>	-181.54	
				<i>For Class 54 Rating, Add</i>	252.44	
				<i>For Class 55 Rating, Add</i>	377.80	
				<i>For Class 56 Rating, Add</i>	501.52	
40 05 19 00-2651	EA			6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,186.40	272.15
				<i>For Class 52 Rating, Deduct</i>	-195.15	
				<i>For Class 54 Rating, Add</i>	271.06	
				<i>For Class 55 Rating, Add</i>	405.51	
				<i>For Class 56 Rating, Add</i>	538.19	
40 05 19 00-2652	EA			6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,315.21	275.50
				<i>For Class 52 Rating, Deduct</i>	-208.76	
				<i>For Class 54 Rating, Add</i>	289.68	
				<i>For Class 55 Rating, Add</i>	433.22	
				<i>For Class 56 Rating, Add</i>	574.87	
40 05 19 00-2653	EA			6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,444.00	278.86
				<i>For Class 52 Rating, Deduct</i>	-222.36	
				<i>For Class 54 Rating, Add</i>	308.29	
				<i>For Class 55 Rating, Add</i>	460.93	
				<i>For Class 56 Rating, Add</i>	611.55	
40 05 19 00-2654	EA			6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,572.80	282.22
				<i>For Class 52 Rating, Deduct</i>	-235.97	
				<i>For Class 54 Rating, Add</i>	326.91	
				<i>For Class 55 Rating, Add</i>	488.64	
				<i>For Class 56 Rating, Add</i>	648.23	
40 05 19 00-2655	EA			6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,701.60	285.58
				<i>For Class 52 Rating, Deduct</i>	-249.58	
				<i>For Class 54 Rating, Add</i>	345.53	
				<i>For Class 55 Rating, Add</i>	516.35	
				<i>For Class 56 Rating, Add</i>	684.90	
40 05 19 00-2656	EA			6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,830.39	288.94
				<i>For Class 52 Rating, Deduct</i>	-263.19	
				<i>For Class 54 Rating, Add</i>	364.14	
				<i>For Class 55 Rating, Add</i>	544.06	
				<i>For Class 56 Rating, Add</i>	721.58	
40 05 19 00-2657	EA			6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,959.19	292.30
				<i>For Class 52 Rating, Deduct</i>	-276.79	
				<i>For Class 54 Rating, Add</i>	382.76	
				<i>For Class 55 Rating, Add</i>	571.77	
				<i>For Class 56 Rating, Add</i>	758.26	
40 05 19 00-2658	EA			6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,087.99	295.67
				<i>For Class 52 Rating, Deduct</i>	-290.40	
				<i>For Class 54 Rating, Add</i>	401.38	
				<i>For Class 55 Rating, Add</i>	599.48	
				<i>For Class 56 Rating, Add</i>	794.93	
40 05 19 00-2659	EA			6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,216.79	299.02
				<i>For Class 52 Rating, Deduct</i>	-304.01	
				<i>For Class 54 Rating, Add</i>	419.99	
				<i>For Class 55 Rating, Add</i>	627.18	
				<i>For Class 56 Rating, Add</i>	831.61	
40 05 19 00-2660	EA			6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,345.58	302.38
				<i>For Class 52 Rating, Deduct</i>	-317.62	
				<i>For Class 54 Rating, Add</i>	438.61	
				<i>For Class 55 Rating, Add</i>	654.89	
				<i>For Class 56 Rating, Add</i>	868.29	
40 05 19 00-2661	EA			6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,474.38	305.74
				<i>For Class 52 Rating, Deduct</i>	-331.23	
				<i>For Class 54 Rating, Add</i>	457.23	
				<i>For Class 55 Rating, Add</i>	682.60	
				<i>For Class 56 Rating, Add</i>	904.96	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	3,603.18	309.10
		<i>For Class 52 Rating, Deduct</i>		-344.83	
		<i>For Class 54 Rating, Add</i>		475.85	
		<i>For Class 55 Rating, Add</i>		710.31	
		<i>For Class 56 Rating, Add</i>		941.64	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	3,731.98	312.46
		<i>For Class 52 Rating, Deduct</i>		-358.44	
		<i>For Class 54 Rating, Add</i>		494.46	
		<i>For Class 55 Rating, Add</i>		738.02	
		<i>For Class 56 Rating, Add</i>		978.32	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	3,860.77	315.82
		<i>For Class 52 Rating, Deduct</i>		-372.05	
		<i>For Class 54 Rating, Add</i>		513.08	
		<i>For Class 55 Rating, Add</i>		765.73	
		<i>For Class 56 Rating, Add</i>		1,014.99	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	3,989.57	319.18
		<i>For Class 52 Rating, Deduct</i>		-385.66	
		<i>For Class 54 Rating, Add</i>		531.70	
		<i>For Class 55 Rating, Add</i>		793.44	
		<i>For Class 56 Rating, Add</i>		1,051.67	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	4,118.37	322.54
		<i>For Class 52 Rating, Deduct</i>		-399.26	
		<i>For Class 54 Rating, Add</i>		550.31	
		<i>For Class 55 Rating, Add</i>		821.15	
		<i>For Class 56 Rating, Add</i>		1,088.35	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	4,247.17	325.90
		<i>For Class 52 Rating, Deduct</i>		-412.87	
		<i>For Class 54 Rating, Add</i>		568.93	
		<i>For Class 55 Rating, Add</i>		848.85	
		<i>For Class 56 Rating, Add</i>		1,125.02	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	4,375.97	329.26
		<i>For Class 52 Rating, Deduct</i>		-426.48	
		<i>For Class 54 Rating, Add</i>		587.55	
		<i>For Class 55 Rating, Add</i>		876.56	
		<i>For Class 56 Rating, Add</i>		1,161.70	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	4,504.75	332.62
		<i>For Class 52 Rating, Deduct</i>		-440.09	
		<i>For Class 54 Rating, Add</i>		606.17	
		<i>For Class 55 Rating, Add</i>		904.27	
		<i>For Class 56 Rating, Add</i>		1,198.38	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	4,633.56	335.98
		<i>For Class 52 Rating, Deduct</i>		-453.70	
		<i>For Class 54 Rating, Add</i>		624.78	
		<i>For Class 55 Rating, Add</i>		931.98	
		<i>For Class 56 Rating, Add</i>		1,235.05	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	4,762.36	339.33
		<i>For Class 52 Rating, Deduct</i>		-467.30	
		<i>For Class 54 Rating, Add</i>		643.40	
		<i>For Class 55 Rating, Add</i>		959.69	
		<i>For Class 56 Rating, Add</i>		1,271.73	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	4,891.15	342.70
		<i>For Class 52 Rating, Deduct</i>		-480.91	
		<i>For Class 54 Rating, Add</i>		662.02	
		<i>For Class 55 Rating, Add</i>		987.40	
		<i>For Class 56 Rating, Add</i>		1,308.41	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	5,019.95	346.06
		<i>For Class 52 Rating, Deduct</i>		-494.52	
		<i>For Class 54 Rating, Add</i>		680.63	
		<i>For Class 55 Rating, Add</i>		1,015.11	
		<i>For Class 56 Rating, Add</i>		1,345.08	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	5,148.75	349.42
		<i>For Class 52 Rating, Deduct</i>		-508.13	
		<i>For Class 54 Rating, Add</i>		699.25	
		<i>For Class 55 Rating, Add</i>		1,042.82	
		<i>For Class 56 Rating, Add</i>		1,381.76	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	5,277.54	352.78
		<i>For Class 52 Rating, Deduct</i>		-521.73	
		<i>For Class 54 Rating, Add</i>		717.87	
		<i>For Class 55 Rating, Add</i>		1,070.52	
		<i>For Class 56 Rating, Add</i>		1,418.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2676 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,406.34	356.14
<i>For Class 52 Rating, Deduct</i>	-535.34	
<i>For Class 54 Rating, Add</i>	736.49	
<i>For Class 55 Rating, Add</i>	1,098.23	
<i>For Class 56 Rating, Add</i>	1,455.11	
40 05 19 00-2677 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,535.15	359.49
<i>For Class 52 Rating, Deduct</i>	-548.95	
<i>For Class 54 Rating, Add</i>	755.10	
<i>For Class 55 Rating, Add</i>	1,125.94	
<i>For Class 56 Rating, Add</i>	1,491.79	
40 05 19 00-2678 EA 6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,663.93	362.85
<i>For Class 52 Rating, Deduct</i>	-562.56	
<i>For Class 54 Rating, Add</i>	773.72	
<i>For Class 55 Rating, Add</i>	1,153.65	
<i>For Class 56 Rating, Add</i>	1,528.47	
40 05 19 00-2679 EA 6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,792.73	366.22
<i>For Class 52 Rating, Deduct</i>	-576.16	
<i>For Class 54 Rating, Add</i>	792.34	
<i>For Class 55 Rating, Add</i>	1,181.36	
<i>For Class 56 Rating, Add</i>	1,565.14	
40 05 19 00-2680 EA 6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,921.54	369.58
<i>For Class 52 Rating, Deduct</i>	-589.77	
<i>For Class 54 Rating, Add</i>	810.96	
<i>For Class 55 Rating, Add</i>	1,209.07	
<i>For Class 56 Rating, Add</i>	1,601.82	
40 05 19 00-2681 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2682 EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,407.39	309.10
<i>For Class 52 Rating, Deduct</i>	-103.30	
<i>For Class 54 Rating, Add</i>	146.48	
<i>For Class 55 Rating, Add</i>	220.65	
<i>For Class 56 Rating, Add</i>	293.88	
40 05 19 00-2683 EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,572.73	312.46
<i>For Class 52 Rating, Deduct</i>	-120.92	
<i>For Class 54 Rating, Add</i>	170.58	
<i>For Class 55 Rating, Add</i>	256.51	
<i>For Class 56 Rating, Add</i>	341.34	
40 05 19 00-2684 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,738.07	315.82
<i>For Class 52 Rating, Deduct</i>	-138.55	
<i>For Class 54 Rating, Add</i>	194.68	
<i>For Class 55 Rating, Add</i>	292.37	
<i>For Class 56 Rating, Add</i>	388.80	
40 05 19 00-2685 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,903.42	319.18
<i>For Class 52 Rating, Deduct</i>	-156.18	
<i>For Class 54 Rating, Add</i>	218.78	
<i>For Class 55 Rating, Add</i>	328.23	
<i>For Class 56 Rating, Add</i>	436.26	
40 05 19 00-2686 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,068.77	322.54
<i>For Class 52 Rating, Deduct</i>	-173.81	
<i>For Class 54 Rating, Add</i>	242.87	
<i>For Class 55 Rating, Add</i>	364.08	
<i>For Class 56 Rating, Add</i>	483.71	
40 05 19 00-2687 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,234.12	325.90
<i>For Class 52 Rating, Deduct</i>	-191.44	
<i>For Class 54 Rating, Add</i>	266.97	
<i>For Class 55 Rating, Add</i>	399.94	
<i>For Class 56 Rating, Add</i>	531.17	
40 05 19 00-2688 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,399.47	329.26
<i>For Class 52 Rating, Deduct</i>	-209.06	
<i>For Class 54 Rating, Add</i>	291.08	
<i>For Class 55 Rating, Add</i>	435.80	
<i>For Class 56 Rating, Add</i>	578.63	
40 05 19 00-2689 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,564.80	332.62
<i>For Class 52 Rating, Deduct</i>	-226.69	
<i>For Class 54 Rating, Add</i>	315.17	
<i>For Class 55 Rating, Add</i>	471.66	
<i>For Class 56 Rating, Add</i>	626.09	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2690	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,730.16	335.98
		<i>For Class 52 Rating, Deduct</i>		-244.32	
		<i>For Class 54 Rating, Add</i>		339.27	
		<i>For Class 55 Rating, Add</i>		507.52	
		<i>For Class 56 Rating, Add</i>		673.55	
40 05 19 00-2691	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,895.51	339.33
		<i>For Class 52 Rating, Deduct</i>		-261.95	
		<i>For Class 54 Rating, Add</i>		363.37	
		<i>For Class 55 Rating, Add</i>		543.38	
		<i>For Class 56 Rating, Add</i>		721.01	
40 05 19 00-2692	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,060.85	342.70
		<i>For Class 52 Rating, Deduct</i>		-279.58	
		<i>For Class 54 Rating, Add</i>		387.47	
		<i>For Class 55 Rating, Add</i>		579.24	
		<i>For Class 56 Rating, Add</i>		768.47	
40 05 19 00-2693	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,226.20	346.06
		<i>For Class 52 Rating, Deduct</i>		-297.21	
		<i>For Class 54 Rating, Add</i>		411.57	
		<i>For Class 55 Rating, Add</i>		615.10	
		<i>For Class 56 Rating, Add</i>		815.93	
40 05 19 00-2694	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,391.55	349.42
		<i>For Class 52 Rating, Deduct</i>		-314.83	
		<i>For Class 54 Rating, Add</i>		435.67	
		<i>For Class 55 Rating, Add</i>		650.96	
		<i>For Class 56 Rating, Add</i>		863.39	
40 05 19 00-2695	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,556.89	352.78
		<i>For Class 52 Rating, Deduct</i>		-332.46	
		<i>For Class 54 Rating, Add</i>		459.77	
		<i>For Class 55 Rating, Add</i>		686.82	
		<i>For Class 56 Rating, Add</i>		910.84	
40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,722.24	356.14
		<i>For Class 52 Rating, Deduct</i>		-350.09	
		<i>For Class 54 Rating, Add</i>		483.87	
		<i>For Class 55 Rating, Add</i>		722.68	
		<i>For Class 56 Rating, Add</i>		958.30	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,887.60	359.49
		<i>For Class 52 Rating, Deduct</i>		-367.72	
		<i>For Class 54 Rating, Add</i>		507.97	
		<i>For Class 55 Rating, Add</i>		758.54	
		<i>For Class 56 Rating, Add</i>		1,005.76	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,052.93	362.85
		<i>For Class 52 Rating, Deduct</i>		-385.35	
		<i>For Class 54 Rating, Add</i>		532.07	
		<i>For Class 55 Rating, Add</i>		794.40	
		<i>For Class 56 Rating, Add</i>		1,053.22	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,218.28	366.22
		<i>For Class 52 Rating, Deduct</i>		-402.98	
		<i>For Class 54 Rating, Add</i>		556.17	
		<i>For Class 55 Rating, Add</i>		830.26	
		<i>For Class 56 Rating, Add</i>		1,100.68	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,383.64	369.58
		<i>For Class 52 Rating, Deduct</i>		-420.60	
		<i>For Class 54 Rating, Add</i>		580.27	
		<i>For Class 55 Rating, Add</i>		866.12	
		<i>For Class 56 Rating, Add</i>		1,148.14	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,548.98	372.94
		<i>For Class 52 Rating, Deduct</i>		-438.23	
		<i>For Class 54 Rating, Add</i>		604.37	
		<i>For Class 55 Rating, Add</i>		901.98	
		<i>For Class 56 Rating, Add</i>		1,195.60	
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,714.32	376.30
		<i>For Class 52 Rating, Deduct</i>		-455.86	
		<i>For Class 54 Rating, Add</i>		628.47	
		<i>For Class 55 Rating, Add</i>		937.84	
		<i>For Class 56 Rating, Add</i>		1,243.06	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,879.67	379.65
		<i>For Class 52 Rating, Deduct</i>		-473.49	
		<i>For Class 54 Rating, Add</i>		652.57	
		<i>For Class 55 Rating, Add</i>		973.70	
		<i>For Class 56 Rating, Add</i>		1,290.52	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2704 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,045.02	383.01
<i>For Class 52 Rating, Deduct</i>	-491.12	
<i>For Class 54 Rating, Add</i>	676.67	
<i>For Class 55 Rating, Add</i>	1,009.55	
<i>For Class 56 Rating, Add</i>	1,337.98	
40 05 19 00-2705 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,210.37	386.37
<i>For Class 52 Rating, Deduct</i>	-508.74	
<i>For Class 54 Rating, Add</i>	700.77	
<i>For Class 55 Rating, Add</i>	1,045.41	
<i>For Class 56 Rating, Add</i>	1,385.44	
40 05 19 00-2706 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,375.72	389.74
<i>For Class 52 Rating, Deduct</i>	-526.37	
<i>For Class 54 Rating, Add</i>	724.87	
<i>For Class 55 Rating, Add</i>	1,081.27	
<i>For Class 56 Rating, Add</i>	1,432.90	
40 05 19 00-2707 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,541.05	393.10
<i>For Class 52 Rating, Deduct</i>	-544.00	
<i>For Class 54 Rating, Add</i>	748.97	
<i>For Class 55 Rating, Add</i>	1,117.13	
<i>For Class 56 Rating, Add</i>	1,480.35	
40 05 19 00-2708 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,706.41	396.46
<i>For Class 52 Rating, Deduct</i>	-561.63	
<i>For Class 54 Rating, Add</i>	773.07	
<i>For Class 55 Rating, Add</i>	1,152.99	
<i>For Class 56 Rating, Add</i>	1,527.81	
40 05 19 00-2709 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,871.76	399.81
<i>For Class 52 Rating, Deduct</i>	-579.26	
<i>For Class 54 Rating, Add</i>	797.17	
<i>For Class 55 Rating, Add</i>	1,188.85	
<i>For Class 56 Rating, Add</i>	1,575.27	
40 05 19 00-2710 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,037.10	403.17
<i>For Class 52 Rating, Deduct</i>	-596.89	
<i>For Class 54 Rating, Add</i>	821.26	
<i>For Class 55 Rating, Add</i>	1,224.71	
<i>For Class 56 Rating, Add</i>	1,622.73	
40 05 19 00-2711 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,202.45	406.53
<i>For Class 52 Rating, Deduct</i>	-614.51	
<i>For Class 54 Rating, Add</i>	845.37	
<i>For Class 55 Rating, Add</i>	1,260.57	
<i>For Class 56 Rating, Add</i>	1,670.19	
40 05 19 00-2712 EA 8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,367.80	409.89
<i>For Class 52 Rating, Deduct</i>	-632.14	
<i>For Class 54 Rating, Add</i>	869.47	
<i>For Class 55 Rating, Add</i>	1,296.43	
<i>For Class 56 Rating, Add</i>	1,717.65	
40 05 19 00-2713 EA 8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,533.14	413.26
<i>For Class 52 Rating, Deduct</i>	-649.77	
<i>For Class 54 Rating, Add</i>	893.56	
<i>For Class 55 Rating, Add</i>	1,332.29	
<i>For Class 56 Rating, Add</i>	1,765.11	
40 05 19 00-2714 EA 8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,698.49	416.62
<i>For Class 52 Rating, Deduct</i>	-667.40	
<i>For Class 54 Rating, Add</i>	917.66	
<i>For Class 55 Rating, Add</i>	1,368.15	
<i>For Class 56 Rating, Add</i>	1,812.57	
40 05 19 00-2715 EA 8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,863.85	419.97
<i>For Class 52 Rating, Deduct</i>	-685.03	
<i>For Class 54 Rating, Add</i>	941.76	
<i>For Class 55 Rating, Add</i>	1,404.01	
<i>For Class 56 Rating, Add</i>	1,860.03	
40 05 19 00-2716 EA 8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,029.18	423.33
<i>For Class 52 Rating, Deduct</i>	-702.65	
<i>For Class 54 Rating, Add</i>	965.86	
<i>For Class 55 Rating, Add</i>	1,439.87	
<i>For Class 56 Rating, Add</i>	1,907.48	
40 05 19 00-2717 EA 8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,194.53	426.69
<i>For Class 52 Rating, Deduct</i>	-720.28	
<i>For Class 54 Rating, Add</i>	989.96	
<i>For Class 55 Rating, Add</i>	1,475.73	
<i>For Class 56 Rating, Add</i>	1,954.94	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,359.89	430.05
		<i>For Class 52 Rating, Deduct</i>		-737.91	
		<i>For Class 54 Rating, Add</i>		1,014.06	
		<i>For Class 55 Rating, Add</i>		1,511.59	
		<i>For Class 56 Rating, Add</i>		2,002.40	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,525.23	433.41
		<i>For Class 52 Rating, Deduct</i>		-755.54	
		<i>For Class 54 Rating, Add</i>		1,038.16	
		<i>For Class 55 Rating, Add</i>		1,547.44	
		<i>For Class 56 Rating, Add</i>		2,049.86	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,690.58	436.78
		<i>For Class 52 Rating, Deduct</i>		-773.17	
		<i>For Class 54 Rating, Add</i>		1,062.26	
		<i>For Class 55 Rating, Add</i>		1,583.31	
		<i>For Class 56 Rating, Add</i>		2,097.32	
40 05 19 00-2721 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2600)					
40 05 19 00-2722	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		1,767.85	376.30
		<i>For Class 52 Rating, Deduct</i>		-131.75	
		<i>For Class 54 Rating, Add</i>		186.50	
		<i>For Class 55 Rating, Add</i>		280.77	
		<i>For Class 56 Rating, Add</i>		373.85	
40 05 19 00-2723	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		1,980.99	379.65
		<i>For Class 52 Rating, Deduct</i>		-154.63	
		<i>For Class 54 Rating, Add</i>		217.77	
		<i>For Class 55 Rating, Add</i>		327.29	
		<i>For Class 56 Rating, Add</i>		435.41	
40 05 19 00-2724	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,194.14	383.01
		<i>For Class 52 Rating, Deduct</i>		-177.52	
		<i>For Class 54 Rating, Add</i>		249.04	
		<i>For Class 55 Rating, Add</i>		373.81	
		<i>For Class 56 Rating, Add</i>		496.97	
40 05 19 00-2725	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,407.28	386.37
		<i>For Class 52 Rating, Deduct</i>		-200.40	
		<i>For Class 54 Rating, Add</i>		280.30	
		<i>For Class 55 Rating, Add</i>		420.32	
		<i>For Class 56 Rating, Add</i>		558.52	
40 05 19 00-2726	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,620.43	389.74
		<i>For Class 52 Rating, Deduct</i>		-223.29	
		<i>For Class 54 Rating, Add</i>		311.57	
		<i>For Class 55 Rating, Add</i>		466.84	
		<i>For Class 56 Rating, Add</i>		620.08	
40 05 19 00-2727	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		2,833.56	393.10
		<i>For Class 52 Rating, Deduct</i>		-246.18	
		<i>For Class 54 Rating, Add</i>		342.84	
		<i>For Class 55 Rating, Add</i>		513.36	
		<i>For Class 56 Rating, Add</i>		681.64	
40 05 19 00-2728	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,046.71	396.46
		<i>For Class 52 Rating, Deduct</i>		-269.06	
		<i>For Class 54 Rating, Add</i>		374.11	
		<i>For Class 55 Rating, Add</i>		559.88	
		<i>For Class 56 Rating, Add</i>		743.20	
40 05 19 00-2729	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,259.85	399.81
		<i>For Class 52 Rating, Deduct</i>		-291.95	
		<i>For Class 54 Rating, Add</i>		405.38	
		<i>For Class 55 Rating, Add</i>		606.40	
		<i>For Class 56 Rating, Add</i>		804.76	
40 05 19 00-2730	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,473.00	403.17
		<i>For Class 52 Rating, Deduct</i>		-314.83	
		<i>For Class 54 Rating, Add</i>		436.65	
		<i>For Class 55 Rating, Add</i>		652.92	
		<i>For Class 56 Rating, Add</i>		866.32	
40 05 19 00-2731	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		3,686.14	406.53
		<i>For Class 52 Rating, Deduct</i>		-337.72	
		<i>For Class 54 Rating, Add</i>		467.92	
		<i>For Class 55 Rating, Add</i>		699.43	
		<i>For Class 56 Rating, Add</i>		927.88	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2732 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,899.28	409.89
<i>For Class 52 Rating, Deduct</i>	-360.61	
<i>For Class 54 Rating, Add</i>	499.19	
<i>For Class 55 Rating, Add</i>	745.95	
<i>For Class 56 Rating, Add</i>	989.44	
40 05 19 00-2733 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,112.42	413.26
<i>For Class 52 Rating, Deduct</i>	-383.49	
<i>For Class 54 Rating, Add</i>	530.46	
<i>For Class 55 Rating, Add</i>	792.47	
<i>For Class 56 Rating, Add</i>	1,050.99	
40 05 19 00-2734 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,325.57	416.62
<i>For Class 52 Rating, Deduct</i>	-406.38	
<i>For Class 54 Rating, Add</i>	561.73	
<i>For Class 55 Rating, Add</i>	838.99	
<i>For Class 56 Rating, Add</i>	1,112.55	
40 05 19 00-2735 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,538.72	419.97
<i>For Class 52 Rating, Deduct</i>	-429.26	
<i>For Class 54 Rating, Add</i>	592.99	
<i>For Class 55 Rating, Add</i>	885.50	
<i>For Class 56 Rating, Add</i>	1,174.11	
40 05 19 00-2736 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,751.85	423.33
<i>For Class 52 Rating, Deduct</i>	-452.15	
<i>For Class 54 Rating, Add</i>	624.26	
<i>For Class 55 Rating, Add</i>	932.02	
<i>For Class 56 Rating, Add</i>	1,235.67	
40 05 19 00-2737 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,964.99	426.69
<i>For Class 52 Rating, Deduct</i>	-475.03	
<i>For Class 54 Rating, Add</i>	655.53	
<i>For Class 55 Rating, Add</i>	978.54	
<i>For Class 56 Rating, Add</i>	1,297.23	
40 05 19 00-2738 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,178.15	430.05
<i>For Class 52 Rating, Deduct</i>	-497.92	
<i>For Class 54 Rating, Add</i>	686.80	
<i>For Class 55 Rating, Add</i>	1,025.06	
<i>For Class 56 Rating, Add</i>	1,358.79	
40 05 19 00-2739 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,391.29	433.41
<i>For Class 52 Rating, Deduct</i>	-520.81	
<i>For Class 54 Rating, Add</i>	718.07	
<i>For Class 55 Rating, Add</i>	1,071.58	
<i>For Class 56 Rating, Add</i>	1,420.35	
40 05 19 00-2740 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,604.43	436.78
<i>For Class 52 Rating, Deduct</i>	-543.69	
<i>For Class 54 Rating, Add</i>	749.34	
<i>For Class 55 Rating, Add</i>	1,118.09	
<i>For Class 56 Rating, Add</i>	1,481.91	
40 05 19 00-2741 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,817.56	440.13
<i>For Class 52 Rating, Deduct</i>	-566.58	
<i>For Class 54 Rating, Add</i>	780.61	
<i>For Class 55 Rating, Add</i>	1,164.61	
<i>For Class 56 Rating, Add</i>	1,543.46	
40 05 19 00-2742 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,030.72	443.49
<i>For Class 52 Rating, Deduct</i>	-589.46	
<i>For Class 54 Rating, Add</i>	811.88	
<i>For Class 55 Rating, Add</i>	1,211.13	
<i>For Class 56 Rating, Add</i>	1,605.02	
40 05 19 00-2743 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,243.86	446.85
<i>For Class 52 Rating, Deduct</i>	-612.35	
<i>For Class 54 Rating, Add</i>	843.15	
<i>For Class 55 Rating, Add</i>	1,257.65	
<i>For Class 56 Rating, Add</i>	1,666.58	
40 05 19 00-2744 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,457.00	450.21
<i>For Class 52 Rating, Deduct</i>	-635.23	
<i>For Class 54 Rating, Add</i>	874.41	
<i>For Class 55 Rating, Add</i>	1,304.17	
<i>For Class 56 Rating, Add</i>	1,728.14	
40 05 19 00-2745 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,670.13	453.57
<i>For Class 52 Rating, Deduct</i>	-658.12	
<i>For Class 54 Rating, Add</i>	905.68	
<i>For Class 55 Rating, Add</i>	1,350.68	
<i>For Class 56 Rating, Add</i>	1,789.70	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,883.29	456.93
			<i>For Class 52 Rating, Deduct</i>	-681.01	
			<i>For Class 54 Rating, Add</i>	936.95	
			<i>For Class 55 Rating, Add</i>	1,397.20	
			<i>For Class 56 Rating, Add</i>	1,851.26	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,096.43	460.29
			<i>For Class 52 Rating, Deduct</i>	-703.89	
			<i>For Class 54 Rating, Add</i>	968.22	
			<i>For Class 55 Rating, Add</i>	1,443.72	
			<i>For Class 56 Rating, Add</i>	1,912.82	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,309.57	463.65
			<i>For Class 52 Rating, Deduct</i>	-726.78	
			<i>For Class 54 Rating, Add</i>	999.49	
			<i>For Class 55 Rating, Add</i>	1,490.24	
			<i>For Class 56 Rating, Add</i>	1,974.38	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,522.72	467.01
			<i>For Class 52 Rating, Deduct</i>	-749.66	
			<i>For Class 54 Rating, Add</i>	1,030.76	
			<i>For Class 55 Rating, Add</i>	1,536.75	
			<i>For Class 56 Rating, Add</i>	2,035.93	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,735.86	470.37
			<i>For Class 52 Rating, Deduct</i>	-772.55	
			<i>For Class 54 Rating, Add</i>	1,062.03	
			<i>For Class 55 Rating, Add</i>	1,583.27	
			<i>For Class 56 Rating, Add</i>	2,097.49	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,949.00	473.73
			<i>For Class 52 Rating, Deduct</i>	-795.44	
			<i>For Class 54 Rating, Add</i>	1,093.30	
			<i>For Class 55 Rating, Add</i>	1,629.79	
			<i>For Class 56 Rating, Add</i>	2,159.05	
40 05 19 00-2752	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,162.14	477.09
			<i>For Class 52 Rating, Deduct</i>	-818.32	
			<i>For Class 54 Rating, Add</i>	1,124.57	
			<i>For Class 55 Rating, Add</i>	1,676.31	
			<i>For Class 56 Rating, Add</i>	2,220.61	
40 05 19 00-2753	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,375.29	480.44
			<i>For Class 52 Rating, Deduct</i>	-841.21	
			<i>For Class 54 Rating, Add</i>	1,155.84	
			<i>For Class 55 Rating, Add</i>	1,722.83	
			<i>For Class 56 Rating, Add</i>	2,282.17	
40 05 19 00-2754	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,588.43	483.81
			<i>For Class 52 Rating, Deduct</i>	-864.09	
			<i>For Class 54 Rating, Add</i>	1,187.10	
			<i>For Class 55 Rating, Add</i>	1,769.34	
			<i>For Class 56 Rating, Add</i>	2,343.73	
40 05 19 00-2755	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,801.57	487.17
			<i>For Class 52 Rating, Deduct</i>	-886.98	
			<i>For Class 54 Rating, Add</i>	1,218.37	
			<i>For Class 55 Rating, Add</i>	1,815.86	
			<i>For Class 56 Rating, Add</i>	2,405.29	
40 05 19 00-2756	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,014.72	490.53
			<i>For Class 52 Rating, Deduct</i>	-909.86	
			<i>For Class 54 Rating, Add</i>	1,249.64	
			<i>For Class 55 Rating, Add</i>	1,862.38	
			<i>For Class 56 Rating, Add</i>	2,466.85	
40 05 19 00-2757	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,227.86	493.89
			<i>For Class 52 Rating, Deduct</i>	-932.75	
			<i>For Class 54 Rating, Add</i>	1,280.91	
			<i>For Class 55 Rating, Add</i>	1,908.90	
			<i>For Class 56 Rating, Add</i>	2,528.40	
40 05 19 00-2758	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,441.01	497.25
			<i>For Class 52 Rating, Deduct</i>	-955.64	
			<i>For Class 54 Rating, Add</i>	1,312.18	
			<i>For Class 55 Rating, Add</i>	1,955.42	
			<i>For Class 56 Rating, Add</i>	2,589.96	
40 05 19 00-2759	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,654.14	500.60
			<i>For Class 52 Rating, Deduct</i>	-978.52	
			<i>For Class 54 Rating, Add</i>	1,343.45	
			<i>For Class 55 Rating, Add</i>	2,001.93	
			<i>For Class 56 Rating, Add</i>	2,651.52	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2760	EA			10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,867.29	503.96
				<i>For Class 52 Rating, Deduct</i>	-1,001.41	
				<i>For Class 54 Rating, Add</i>	1,374.72	
				<i>For Class 55 Rating, Add</i>	2,048.45	
				<i>For Class 56 Rating, Add</i>	2,713.08	
40 05 19 00-2761				12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(#40 05 19 00-2600)</small>		
40 05 19 00-2762	EA			12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,287.13	470.37
				<i>For Class 52 Rating, Deduct</i>	-173.19	
				<i>For Class 54 Rating, Add</i>	244.72	
				<i>For Class 55 Rating, Add</i>	368.21	
				<i>For Class 56 Rating, Add</i>	490.12	
40 05 19 00-2763	EA			12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,550.88	473.73
				<i>For Class 52 Rating, Deduct</i>	-201.64	
				<i>For Class 54 Rating, Add</i>	283.58	
				<i>For Class 55 Rating, Add</i>	426.01	
				<i>For Class 56 Rating, Add</i>	566.61	
40 05 19 00-2764	EA			12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,814.63	477.09
				<i>For Class 52 Rating, Deduct</i>	-230.09	
				<i>For Class 54 Rating, Add</i>	322.44	
				<i>For Class 55 Rating, Add</i>	483.81	
				<i>For Class 56 Rating, Add</i>	643.10	
40 05 19 00-2765	EA			12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,078.39	480.44
				<i>For Class 52 Rating, Deduct</i>	-258.55	
				<i>For Class 54 Rating, Add</i>	361.30	
				<i>For Class 55 Rating, Add</i>	541.62	
				<i>For Class 56 Rating, Add</i>	719.58	
40 05 19 00-2766	EA			12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,342.13	483.81
				<i>For Class 52 Rating, Deduct</i>	-287.00	
				<i>For Class 54 Rating, Add</i>	400.16	
				<i>For Class 55 Rating, Add</i>	599.42	
				<i>For Class 56 Rating, Add</i>	796.07	
40 05 19 00-2767	EA			12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,605.88	487.17
				<i>For Class 52 Rating, Deduct</i>	-315.45	
				<i>For Class 54 Rating, Add</i>	439.02	
				<i>For Class 55 Rating, Add</i>	657.22	
				<i>For Class 56 Rating, Add</i>	872.56	
40 05 19 00-2768	EA			12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,869.64	490.53
				<i>For Class 52 Rating, Deduct</i>	-343.91	
				<i>For Class 54 Rating, Add</i>	477.88	
				<i>For Class 55 Rating, Add</i>	715.03	
				<i>For Class 56 Rating, Add</i>	949.05	
40 05 19 00-2769	EA			12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,133.39	493.89
				<i>For Class 52 Rating, Deduct</i>	-372.36	
				<i>For Class 54 Rating, Add</i>	516.74	
				<i>For Class 55 Rating, Add</i>	772.83	
				<i>For Class 56 Rating, Add</i>	1,025.54	
40 05 19 00-2770	EA			12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,397.14	497.25
				<i>For Class 52 Rating, Deduct</i>	-400.81	
				<i>For Class 54 Rating, Add</i>	555.60	
				<i>For Class 55 Rating, Add</i>	830.63	
				<i>For Class 56 Rating, Add</i>	1,102.02	
40 05 19 00-2771	EA			12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,660.88	500.60
				<i>For Class 52 Rating, Deduct</i>	-429.26	
				<i>For Class 54 Rating, Add</i>	594.46	
				<i>For Class 55 Rating, Add</i>	888.44	
				<i>For Class 56 Rating, Add</i>	1,178.51	
40 05 19 00-2772	EA			12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,924.64	503.96
				<i>For Class 52 Rating, Deduct</i>	-457.72	
				<i>For Class 54 Rating, Add</i>	633.32	
				<i>For Class 55 Rating, Add</i>	946.24	
				<i>For Class 56 Rating, Add</i>	1,255.00	
40 05 19 00-2773	EA			12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,188.39	507.33
				<i>For Class 52 Rating, Deduct</i>	-486.17	
				<i>For Class 54 Rating, Add</i>	672.18	
				<i>For Class 55 Rating, Add</i>	1,004.04	
				<i>For Class 56 Rating, Add</i>	1,331.49	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2774	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,452.14	510.69
		<i>For Class 52 Rating, Deduct</i>		-514.62	
		<i>For Class 54 Rating, Add</i>		711.04	
		<i>For Class 55 Rating, Add</i>		1,061.85	
		<i>For Class 56 Rating, Add</i>		1,407.97	
40 05 19 00-2775	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,715.88	514.05
		<i>For Class 52 Rating, Deduct</i>		-543.07	
		<i>For Class 54 Rating, Add</i>		749.90	
		<i>For Class 55 Rating, Add</i>		1,119.65	
		<i>For Class 56 Rating, Add</i>		1,484.46	
40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,979.64	517.41
		<i>For Class 52 Rating, Deduct</i>		-571.53	
		<i>For Class 54 Rating, Add</i>		788.76	
		<i>For Class 55 Rating, Add</i>		1,177.45	
		<i>For Class 56 Rating, Add</i>		1,560.95	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,243.39	520.76
		<i>For Class 52 Rating, Deduct</i>		-599.98	
		<i>For Class 54 Rating, Add</i>		827.62	
		<i>For Class 55 Rating, Add</i>		1,235.26	
		<i>For Class 56 Rating, Add</i>		1,637.44	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,507.14	524.12
		<i>For Class 52 Rating, Deduct</i>		-628.43	
		<i>For Class 54 Rating, Add</i>		866.48	
		<i>For Class 55 Rating, Add</i>		1,293.06	
		<i>For Class 56 Rating, Add</i>		1,713.93	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,770.90	527.49
		<i>For Class 52 Rating, Deduct</i>		-656.88	
		<i>For Class 54 Rating, Add</i>		905.34	
		<i>For Class 55 Rating, Add</i>		1,350.86	
		<i>For Class 56 Rating, Add</i>		1,790.41	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,034.64	530.85
		<i>For Class 52 Rating, Deduct</i>		-685.34	
		<i>For Class 54 Rating, Add</i>		944.20	
		<i>For Class 55 Rating, Add</i>		1,408.67	
		<i>For Class 56 Rating, Add</i>		1,866.90	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,298.39	534.21
		<i>For Class 52 Rating, Deduct</i>		-713.79	
		<i>For Class 54 Rating, Add</i>		983.06	
		<i>For Class 55 Rating, Add</i>		1,466.47	
		<i>For Class 56 Rating, Add</i>		1,943.39	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,562.14	537.57
		<i>For Class 52 Rating, Deduct</i>		-742.24	
		<i>For Class 54 Rating, Add</i>		1,021.92	
		<i>For Class 55 Rating, Add</i>		1,524.27	
		<i>For Class 56 Rating, Add</i>		2,019.88	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		7,825.90	540.92
		<i>For Class 52 Rating, Deduct</i>		-770.69	
		<i>For Class 54 Rating, Add</i>		1,060.78	
		<i>For Class 55 Rating, Add</i>		1,582.08	
		<i>For Class 56 Rating, Add</i>		2,096.37	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		8,089.65	544.28
		<i>For Class 52 Rating, Deduct</i>		-799.15	
		<i>For Class 54 Rating, Add</i>		1,099.64	
		<i>For Class 55 Rating, Add</i>		1,639.88	
		<i>For Class 56 Rating, Add</i>		2,172.85	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		8,353.39	547.64
		<i>For Class 52 Rating, Deduct</i>		-827.60	
		<i>For Class 54 Rating, Add</i>		1,138.50	
		<i>For Class 55 Rating, Add</i>		1,697.68	
		<i>For Class 56 Rating, Add</i>		2,249.34	
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		8,617.15	551.01
		<i>For Class 52 Rating, Deduct</i>		-856.05	
		<i>For Class 54 Rating, Add</i>		1,177.36	
		<i>For Class 55 Rating, Add</i>		1,755.49	
		<i>For Class 56 Rating, Add</i>		2,325.83	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		8,880.90	554.37
		<i>For Class 52 Rating, Deduct</i>		-884.50	
		<i>For Class 54 Rating, Add</i>		1,216.22	
		<i>For Class 55 Rating, Add</i>		1,813.29	
		<i>For Class 56 Rating, Add</i>		2,402.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2788 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,144.65	557.73
<i>For Class 52 Rating, Deduct</i>	-912.96	
<i>For Class 54 Rating, Add</i>	1,255.08	
<i>For Class 55 Rating, Add</i>	1,871.09	
<i>For Class 56 Rating, Add</i>	2,478.81	
40 05 19 00-2789 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,408.39	561.09
<i>For Class 52 Rating, Deduct</i>	-941.41	
<i>For Class 54 Rating, Add</i>	1,293.94	
<i>For Class 55 Rating, Add</i>	1,928.90	
<i>For Class 56 Rating, Add</i>	2,555.29	
40 05 19 00-2790 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,672.15	564.44
<i>For Class 52 Rating, Deduct</i>	-969.86	
<i>For Class 54 Rating, Add</i>	1,332.80	
<i>For Class 55 Rating, Add</i>	1,986.70	
<i>For Class 56 Rating, Add</i>	2,631.78	
40 05 19 00-2791 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,935.90	567.80
<i>For Class 52 Rating, Deduct</i>	-998.31	
<i>For Class 54 Rating, Add</i>	1,371.66	
<i>For Class 55 Rating, Add</i>	2,044.50	
<i>For Class 56 Rating, Add</i>	2,708.27	
40 05 19 00-2792 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,199.65	571.16
<i>For Class 52 Rating, Deduct</i>	-1,026.77	
<i>For Class 54 Rating, Add</i>	1,410.52	
<i>For Class 55 Rating, Add</i>	2,102.31	
<i>For Class 56 Rating, Add</i>	2,784.76	
40 05 19 00-2793 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,463.40	574.53
<i>For Class 52 Rating, Deduct</i>	-1,055.22	
<i>For Class 54 Rating, Add</i>	1,449.38	
<i>For Class 55 Rating, Add</i>	2,160.11	
<i>For Class 56 Rating, Add</i>	2,861.25	
40 05 19 00-2794 EA 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,727.15	577.89
<i>For Class 52 Rating, Deduct</i>	-1,083.67	
<i>For Class 54 Rating, Add</i>	1,488.24	
<i>For Class 55 Rating, Add</i>	2,217.91	
<i>For Class 56 Rating, Add</i>	2,937.73	
40 05 19 00-2795 EA 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,990.90	581.25
<i>For Class 52 Rating, Deduct</i>	-1,112.13	
<i>For Class 54 Rating, Add</i>	1,527.10	
<i>For Class 55 Rating, Add</i>	2,275.72	
<i>For Class 56 Rating, Add</i>	3,014.22	
40 05 19 00-2796 EA 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,254.65	584.60
<i>For Class 52 Rating, Deduct</i>	-1,140.58	
<i>For Class 54 Rating, Add</i>	1,565.96	
<i>For Class 55 Rating, Add</i>	2,333.52	
<i>For Class 56 Rating, Add</i>	3,090.71	
40 05 19 00-2797 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,518.41	587.96
<i>For Class 52 Rating, Deduct</i>	-1,169.03	
<i>For Class 54 Rating, Add</i>	1,604.82	
<i>For Class 55 Rating, Add</i>	2,391.32	
<i>For Class 56 Rating, Add</i>	3,167.20	
40 05 19 00-2798 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,782.15	591.32
<i>For Class 52 Rating, Deduct</i>	-1,197.48	
<i>For Class 54 Rating, Add</i>	1,643.68	
<i>For Class 55 Rating, Add</i>	2,449.13	
<i>For Class 56 Rating, Add</i>	3,243.69	
40 05 19 00-2799 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,045.90	594.68
<i>For Class 52 Rating, Deduct</i>	-1,225.94	
<i>For Class 54 Rating, Add</i>	1,682.54	
<i>For Class 55 Rating, Add</i>	2,506.93	
<i>For Class 56 Rating, Add</i>	3,320.17	
40 05 19 00-2800 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,309.65	598.05
<i>For Class 52 Rating, Deduct</i>	-1,254.39	
<i>For Class 54 Rating, Add</i>	1,721.40	
<i>For Class 55 Rating, Add</i>	2,564.73	
<i>For Class 56 Rating, Add</i>	3,396.66	

40 05 19 00-2801 14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (#40 05 19 00-2800)

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2802	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,177.54	564.44
			<i>For Class 52 Rating, Deduct</i>	-255.46	
			<i>For Class 54 Rating, Add</i>	358.61	
			<i>For Class 55 Rating, Add</i>	538.40	
			<i>For Class 56 Rating, Add</i>	715.87	
40 05 19 00-2803	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,497.52	567.80
			<i>For Class 52 Rating, Deduct</i>	-290.09	
			<i>For Class 54 Rating, Add</i>	405.91	
			<i>For Class 55 Rating, Add</i>	608.75	
			<i>For Class 56 Rating, Add</i>	808.95	
40 05 19 00-2804	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,817.50	571.16
			<i>For Class 52 Rating, Deduct</i>	-324.73	
			<i>For Class 54 Rating, Add</i>	453.20	
			<i>For Class 55 Rating, Add</i>	679.09	
			<i>For Class 56 Rating, Add</i>	902.02	
40 05 19 00-2805	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,137.48	574.53
			<i>For Class 52 Rating, Deduct</i>	-359.37	
			<i>For Class 54 Rating, Add</i>	500.49	
			<i>For Class 55 Rating, Add</i>	749.43	
			<i>For Class 56 Rating, Add</i>	995.10	
40 05 19 00-2806	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,457.46	577.89
			<i>For Class 52 Rating, Deduct</i>	-394.01	
			<i>For Class 54 Rating, Add</i>	547.79	
			<i>For Class 55 Rating, Add</i>	819.77	
			<i>For Class 56 Rating, Add</i>	1,088.18	
40 05 19 00-2807	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,777.44	581.25
			<i>For Class 52 Rating, Deduct</i>	-428.64	
			<i>For Class 54 Rating, Add</i>	595.08	
			<i>For Class 55 Rating, Add</i>	890.12	
			<i>For Class 56 Rating, Add</i>	1,181.25	
40 05 19 00-2808	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,097.42	584.60
			<i>For Class 52 Rating, Deduct</i>	-463.28	
			<i>For Class 54 Rating, Add</i>	642.38	
			<i>For Class 55 Rating, Add</i>	960.46	
			<i>For Class 56 Rating, Add</i>	1,274.33	
40 05 19 00-2809	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,417.41	587.96
			<i>For Class 52 Rating, Deduct</i>	-497.92	
			<i>For Class 54 Rating, Add</i>	689.67	
			<i>For Class 55 Rating, Add</i>	1,030.80	
			<i>For Class 56 Rating, Add</i>	1,367.40	
40 05 19 00-2810	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,737.38	591.32
			<i>For Class 52 Rating, Deduct</i>	-532.56	
			<i>For Class 54 Rating, Add</i>	736.97	
			<i>For Class 55 Rating, Add</i>	1,101.14	
			<i>For Class 56 Rating, Add</i>	1,460.48	
40 05 19 00-2811	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,057.36	594.68
			<i>For Class 52 Rating, Deduct</i>	-567.20	
			<i>For Class 54 Rating, Add</i>	784.26	
			<i>For Class 55 Rating, Add</i>	1,171.49	
			<i>For Class 56 Rating, Add</i>	1,553.55	
40 05 19 00-2812	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,377.34	598.05
			<i>For Class 52 Rating, Deduct</i>	-601.83	
			<i>For Class 54 Rating, Add</i>	831.56	
			<i>For Class 55 Rating, Add</i>	1,241.83	
			<i>For Class 56 Rating, Add</i>	1,646.63	
40 05 19 00-2813	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,697.33	601.41
			<i>For Class 52 Rating, Deduct</i>	-636.47	
			<i>For Class 54 Rating, Add</i>	878.85	
			<i>For Class 55 Rating, Add</i>	1,312.17	
			<i>For Class 56 Rating, Add</i>	1,739.71	
40 05 19 00-2814	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,017.31	604.76
			<i>For Class 52 Rating, Deduct</i>	-671.11	
			<i>For Class 54 Rating, Add</i>	926.15	
			<i>For Class 55 Rating, Add</i>	1,382.51	
			<i>For Class 56 Rating, Add</i>	1,832.78	
40 05 19 00-2815	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,337.28	608.12
			<i>For Class 52 Rating, Deduct</i>	-705.75	
			<i>For Class 54 Rating, Add</i>	973.44	
			<i>For Class 55 Rating, Add</i>	1,452.86	
			<i>For Class 56 Rating, Add</i>	1,925.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2816 EA 14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,657.27	611.48
<i>For Class 52 Rating, Deduct</i>	-740.39	
<i>For Class 54 Rating, Add</i>	1,020.73	
<i>For Class 55 Rating, Add</i>	1,523.20	
<i>For Class 56 Rating, Add</i>	2,018.93	
40 05 19 00-2817 EA 14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,977.25	614.84
<i>For Class 52 Rating, Deduct</i>	-775.02	
<i>For Class 54 Rating, Add</i>	1,068.03	
<i>For Class 55 Rating, Add</i>	1,593.54	
<i>For Class 56 Rating, Add</i>	2,112.01	
40 05 19 00-2818 EA 14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,297.23	618.20
<i>For Class 52 Rating, Deduct</i>	-809.66	
<i>For Class 54 Rating, Add</i>	1,115.32	
<i>For Class 55 Rating, Add</i>	1,663.88	
<i>For Class 56 Rating, Add</i>	2,205.09	
40 05 19 00-2819 EA 14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,617.20	621.57
<i>For Class 52 Rating, Deduct</i>	-844.30	
<i>For Class 54 Rating, Add</i>	1,162.62	
<i>For Class 55 Rating, Add</i>	1,734.23	
<i>For Class 56 Rating, Add</i>	2,298.16	
40 05 19 00-2820 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,937.19	624.92
<i>For Class 52 Rating, Deduct</i>	-878.94	
<i>For Class 54 Rating, Add</i>	1,209.91	
<i>For Class 55 Rating, Add</i>	1,804.57	
<i>For Class 56 Rating, Add</i>	2,391.24	
40 05 19 00-2821 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,257.17	628.28
<i>For Class 52 Rating, Deduct</i>	-913.58	
<i>For Class 54 Rating, Add</i>	1,257.21	
<i>For Class 55 Rating, Add</i>	1,874.91	
<i>For Class 56 Rating, Add</i>	2,484.31	
40 05 19 00-2822 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,577.15	631.64
<i>For Class 52 Rating, Deduct</i>	-948.21	
<i>For Class 54 Rating, Add</i>	1,304.50	
<i>For Class 55 Rating, Add</i>	1,945.26	
<i>For Class 56 Rating, Add</i>	2,577.39	
40 05 19 00-2823 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,897.13	635.00
<i>For Class 52 Rating, Deduct</i>	-982.85	
<i>For Class 54 Rating, Add</i>	1,351.80	
<i>For Class 55 Rating, Add</i>	2,015.60	
<i>For Class 56 Rating, Add</i>	2,670.46	
40 05 19 00-2824 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,217.11	638.36
<i>For Class 52 Rating, Deduct</i>	-1,017.49	
<i>For Class 54 Rating, Add</i>	1,399.09	
<i>For Class 55 Rating, Add</i>	2,085.94	
<i>For Class 56 Rating, Add</i>	2,763.54	
40 05 19 00-2825 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,537.09	641.72
<i>For Class 52 Rating, Deduct</i>	-1,052.13	
<i>For Class 54 Rating, Add</i>	1,446.39	
<i>For Class 55 Rating, Add</i>	2,156.28	
<i>For Class 56 Rating, Add</i>	2,856.62	
40 05 19 00-2826 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,857.07	645.08
<i>For Class 52 Rating, Deduct</i>	-1,086.76	
<i>For Class 54 Rating, Add</i>	1,493.68	
<i>For Class 55 Rating, Add</i>	2,226.63	
<i>For Class 56 Rating, Add</i>	2,949.69	
40 05 19 00-2827 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,177.06	648.44
<i>For Class 52 Rating, Deduct</i>	-1,121.40	
<i>For Class 54 Rating, Add</i>	1,540.98	
<i>For Class 55 Rating, Add</i>	2,296.97	
<i>For Class 56 Rating, Add</i>	3,042.77	
40 05 19 00-2828 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,497.03	651.80
<i>For Class 52 Rating, Deduct</i>	-1,156.04	
<i>For Class 54 Rating, Add</i>	1,588.27	
<i>For Class 55 Rating, Add</i>	2,367.31	
<i>For Class 56 Rating, Add</i>	3,135.84	
40 05 19 00-2829 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,817.01	655.16
<i>For Class 52 Rating, Deduct</i>	-1,190.68	
<i>For Class 54 Rating, Add</i>	1,635.56	
<i>For Class 55 Rating, Add</i>	2,437.65	
<i>For Class 56 Rating, Add</i>	3,228.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		12,136.99	658.52
		<i>For Class 52 Rating, Deduct</i>		-1,225.32	
		<i>For Class 54 Rating, Add</i>		1,682.86	
		<i>For Class 55 Rating, Add</i>		2,508.00	
		<i>For Class 56 Rating, Add</i>		3,321.99	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		12,456.98	661.88
		<i>For Class 52 Rating, Deduct</i>		-1,259.95	
		<i>For Class 54 Rating, Add</i>		1,730.15	
		<i>For Class 55 Rating, Add</i>		2,578.34	
		<i>For Class 56 Rating, Add</i>		3,415.07	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		12,776.96	665.23
		<i>For Class 52 Rating, Deduct</i>		-1,294.59	
		<i>For Class 54 Rating, Add</i>		1,777.45	
		<i>For Class 55 Rating, Add</i>		2,648.68	
		<i>For Class 56 Rating, Add</i>		3,508.15	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		13,096.93	668.60
		<i>For Class 52 Rating, Deduct</i>		-1,329.23	
		<i>For Class 54 Rating, Add</i>		1,824.74	
		<i>For Class 55 Rating, Add</i>		2,719.02	
		<i>For Class 56 Rating, Add</i>		3,601.22	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		13,416.92	671.96
		<i>For Class 52 Rating, Deduct</i>		-1,363.87	
		<i>For Class 54 Rating, Add</i>		1,872.04	
		<i>For Class 55 Rating, Add</i>		2,789.37	
		<i>For Class 56 Rating, Add</i>		3,694.30	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		13,736.90	675.32
		<i>For Class 52 Rating, Deduct</i>		-1,398.51	
		<i>For Class 54 Rating, Add</i>		1,919.33	
		<i>For Class 55 Rating, Add</i>		2,859.71	
		<i>For Class 56 Rating, Add</i>		3,787.37	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		14,056.88	678.68
		<i>For Class 52 Rating, Deduct</i>		-1,433.14	
		<i>For Class 54 Rating, Add</i>		1,966.63	
		<i>For Class 55 Rating, Add</i>		2,930.05	
		<i>For Class 56 Rating, Add</i>		3,880.45	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		14,376.86	682.04
		<i>For Class 52 Rating, Deduct</i>		-1,467.78	
		<i>For Class 54 Rating, Add</i>		2,013.92	
		<i>For Class 55 Rating, Add</i>		3,000.40	
		<i>For Class 56 Rating, Add</i>		3,973.53	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		14,696.84	685.39
		<i>For Class 52 Rating, Deduct</i>		-1,502.42	
		<i>For Class 54 Rating, Add</i>		2,061.22	
		<i>For Class 55 Rating, Add</i>		3,070.74	
		<i>For Class 56 Rating, Add</i>		4,066.60	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		15,016.82	688.75
		<i>For Class 52 Rating, Deduct</i>		-1,537.06	
		<i>For Class 54 Rating, Add</i>		2,108.51	
		<i>For Class 55 Rating, Add</i>		3,141.08	
		<i>For Class 56 Rating, Add</i>		4,159.68	
40 05 19 00-2840		16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>			
40 05 19 00-2841	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		3,718.62	645.08
		<i>For Class 52 Rating, Deduct</i>		-301.54	
		<i>For Class 54 Rating, Add</i>		422.91	
		<i>For Class 55 Rating, Add</i>		634.75	
		<i>For Class 56 Rating, Add</i>		843.85	
40 05 19 00-2842	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		4,089.22	648.44
		<i>For Class 52 Rating, Deduct</i>		-341.74	
		<i>For Class 54 Rating, Add</i>		477.80	
		<i>For Class 55 Rating, Add</i>		716.38	
		<i>For Class 56 Rating, Add</i>		951.85	
40 05 19 00-2843	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		4,459.80	651.80
		<i>For Class 52 Rating, Deduct</i>		-381.95	
		<i>For Class 54 Rating, Add</i>		532.69	
		<i>For Class 55 Rating, Add</i>		798.01	
		<i>For Class 56 Rating, Add</i>		1,059.86	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2844 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,830.38	655.16
<i>For Class 52 Rating, Deduct</i>	-422.15	
<i>For Class 54 Rating, Add</i>	587.57	
<i>For Class 55 Rating, Add</i>	879.64	
<i>For Class 56 Rating, Add</i>	1,167.86	
40 05 19 00-2845 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,200.97	658.52
<i>For Class 52 Rating, Deduct</i>	-462.35	
<i>For Class 54 Rating, Add</i>	642.46	
<i>For Class 55 Rating, Add</i>	961.26	
<i>For Class 56 Rating, Add</i>	1,275.87	
40 05 19 00-2846 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,571.57	661.88
<i>For Class 52 Rating, Deduct</i>	-502.56	
<i>For Class 54 Rating, Add</i>	697.34	
<i>For Class 55 Rating, Add</i>	1,042.89	
<i>For Class 56 Rating, Add</i>	1,383.88	
40 05 19 00-2847 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,942.16	665.23
<i>For Class 52 Rating, Deduct</i>	-542.76	
<i>For Class 54 Rating, Add</i>	752.23	
<i>For Class 55 Rating, Add</i>	1,124.52	
<i>For Class 56 Rating, Add</i>	1,491.88	
40 05 19 00-2848 EA 16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,312.74	668.60
<i>For Class 52 Rating, Deduct</i>	-582.97	
<i>For Class 54 Rating, Add</i>	807.11	
<i>For Class 55 Rating, Add</i>	1,206.15	
<i>For Class 56 Rating, Add</i>	1,599.89	
40 05 19 00-2849 EA 16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,683.33	671.96
<i>For Class 52 Rating, Deduct</i>	-623.17	
<i>For Class 54 Rating, Add</i>	862.00	
<i>For Class 55 Rating, Add</i>	1,287.78	
<i>For Class 56 Rating, Add</i>	1,707.89	
40 05 19 00-2850 EA 16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,053.92	675.32
<i>For Class 52 Rating, Deduct</i>	-663.38	
<i>For Class 54 Rating, Add</i>	916.89	
<i>For Class 55 Rating, Add</i>	1,369.41	
<i>For Class 56 Rating, Add</i>	1,815.90	
40 05 19 00-2851 EA 16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,424.51	678.68
<i>For Class 52 Rating, Deduct</i>	-703.58	
<i>For Class 54 Rating, Add</i>	971.77	
<i>For Class 55 Rating, Add</i>	1,451.03	
<i>For Class 56 Rating, Add</i>	1,923.90	
40 05 19 00-2852 EA 16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,795.10	682.04
<i>For Class 52 Rating, Deduct</i>	-743.79	
<i>For Class 54 Rating, Add</i>	1,026.66	
<i>For Class 55 Rating, Add</i>	1,532.66	
<i>For Class 56 Rating, Add</i>	2,031.91	
40 05 19 00-2853 EA 16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,165.68	685.39
<i>For Class 52 Rating, Deduct</i>	-783.99	
<i>For Class 54 Rating, Add</i>	1,081.54	
<i>For Class 55 Rating, Add</i>	1,614.29	
<i>For Class 56 Rating, Add</i>	2,139.91	
40 05 19 00-2854 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,536.27	688.75
<i>For Class 52 Rating, Deduct</i>	-824.20	
<i>For Class 54 Rating, Add</i>	1,136.43	
<i>For Class 55 Rating, Add</i>	1,695.92	
<i>For Class 56 Rating, Add</i>	2,247.92	
40 05 19 00-2855 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,906.86	692.12
<i>For Class 52 Rating, Deduct</i>	-864.40	
<i>For Class 54 Rating, Add</i>	1,191.31	
<i>For Class 55 Rating, Add</i>	1,777.55	
<i>For Class 56 Rating, Add</i>	2,355.92	
40 05 19 00-2856 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,277.45	695.48
<i>For Class 52 Rating, Deduct</i>	-904.61	
<i>For Class 54 Rating, Add</i>	1,246.20	
<i>For Class 55 Rating, Add</i>	1,859.18	
<i>For Class 56 Rating, Add</i>	2,463.93	
40 05 19 00-2857 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,648.03	698.84
<i>For Class 52 Rating, Deduct</i>	-944.61	
<i>For Class 54 Rating, Add</i>	1,301.08	
<i>For Class 55 Rating, Add</i>	1,940.80	
<i>For Class 56 Rating, Add</i>	2,571.93	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,018.62		702.20
		<i>For Class 52 Rating, Deduct</i>	-985.02		
		<i>For Class 54 Rating, Add</i>	1,355.97		
		<i>For Class 55 Rating, Add</i>	2,022.43		
		<i>For Class 56 Rating, Add</i>	2,679.94		
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,389.21		705.55
		<i>For Class 52 Rating, Deduct</i>	-1,025.22		
		<i>For Class 54 Rating, Add</i>	1,410.86		
		<i>For Class 55 Rating, Add</i>	2,104.06		
		<i>For Class 56 Rating, Add</i>	2,787.94		
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,759.81		708.91
		<i>For Class 52 Rating, Deduct</i>	-1,065.43		
		<i>For Class 54 Rating, Add</i>	1,465.74		
		<i>For Class 55 Rating, Add</i>	2,185.69		
		<i>For Class 56 Rating, Add</i>	2,895.95		
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,130.39		712.27
		<i>For Class 52 Rating, Deduct</i>	-1,105.63		
		<i>For Class 54 Rating, Add</i>	1,520.63		
		<i>For Class 55 Rating, Add</i>	2,267.31		
		<i>For Class 56 Rating, Add</i>	3,003.95		
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,500.97		715.64
		<i>For Class 52 Rating, Deduct</i>	-1,145.83		
		<i>For Class 54 Rating, Add</i>	1,575.51		
		<i>For Class 55 Rating, Add</i>	2,348.94		
		<i>For Class 56 Rating, Add</i>	3,111.96		
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,871.56		719.00
		<i>For Class 52 Rating, Deduct</i>	-1,186.04		
		<i>For Class 54 Rating, Add</i>	1,630.40		
		<i>For Class 55 Rating, Add</i>	2,430.57		
		<i>For Class 56 Rating, Add</i>	3,219.96		
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,242.16		722.36
		<i>For Class 52 Rating, Deduct</i>	-1,226.24		
		<i>For Class 54 Rating, Add</i>	1,685.29		
		<i>For Class 55 Rating, Add</i>	2,512.20		
		<i>For Class 56 Rating, Add</i>	3,327.97		
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,612.74		725.71
		<i>For Class 52 Rating, Deduct</i>	-1,266.45		
		<i>For Class 54 Rating, Add</i>	1,740.17		
		<i>For Class 55 Rating, Add</i>	2,593.83		
		<i>For Class 56 Rating, Add</i>	3,435.97		
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,983.32		729.07
		<i>For Class 52 Rating, Deduct</i>	-1,306.65		
		<i>For Class 54 Rating, Add</i>	1,795.06		
		<i>For Class 55 Rating, Add</i>	2,675.46		
		<i>For Class 56 Rating, Add</i>	3,543.98		
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,353.92		732.43
		<i>For Class 52 Rating, Deduct</i>	-1,346.86		
		<i>For Class 54 Rating, Add</i>	1,849.94		
		<i>For Class 55 Rating, Add</i>	2,757.08		
		<i>For Class 56 Rating, Add</i>	3,651.98		
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,724.51		735.79
		<i>For Class 52 Rating, Deduct</i>	-1,387.06		
		<i>For Class 54 Rating, Add</i>	1,904.83		
		<i>For Class 55 Rating, Add</i>	2,838.71		
		<i>For Class 56 Rating, Add</i>	3,759.99		
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,095.09		739.16
		<i>For Class 52 Rating, Deduct</i>	-1,427.27		
		<i>For Class 54 Rating, Add</i>	1,959.71		
		<i>For Class 55 Rating, Add</i>	2,920.34		
		<i>For Class 56 Rating, Add</i>	3,867.99		
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,465.68		742.52
		<i>For Class 52 Rating, Deduct</i>	-1,467.47		
		<i>For Class 54 Rating, Add</i>	2,014.60		
		<i>For Class 55 Rating, Add</i>	3,001.97		
		<i>For Class 56 Rating, Add</i>	3,976.00		
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,836.27		745.87
		<i>For Class 52 Rating, Deduct</i>	-1,507.68		
		<i>For Class 54 Rating, Add</i>	2,069.49		
		<i>For Class 55 Rating, Add</i>	3,083.60		
		<i>For Class 56 Rating, Add</i>	4,084.00		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2872 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,206.86	749.23
<i>For Class 52 Rating, Deduct</i>	-1,547.88	
<i>For Class 54 Rating, Add</i>	2,124.37	
<i>For Class 55 Rating, Add</i>	3,165.22	
<i>For Class 56 Rating, Add</i>	4,192.01	
40 05 19 00-2873 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,577.45	752.59
<i>For Class 52 Rating, Deduct</i>	-1,588.09	
<i>For Class 54 Rating, Add</i>	2,179.26	
<i>For Class 55 Rating, Add</i>	3,246.85	
<i>For Class 56 Rating, Add</i>	4,300.01	
40 05 19 00-2874 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,948.03	755.95
<i>For Class 52 Rating, Deduct</i>	-1,628.29	
<i>For Class 54 Rating, Add</i>	2,234.14	
<i>For Class 55 Rating, Add</i>	3,328.48	
<i>For Class 56 Rating, Add</i>	4,408.02	
40 05 19 00-2875 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,318.62	759.31
<i>For Class 52 Rating, Deduct</i>	-1,668.50	
<i>For Class 54 Rating, Add</i>	2,289.03	
<i>For Class 55 Rating, Add</i>	3,410.11	
<i>For Class 56 Rating, Add</i>	4,516.02	
40 05 19 00-2876 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,689.21	762.68
<i>For Class 52 Rating, Deduct</i>	-1,708.70	
<i>For Class 54 Rating, Add</i>	2,343.91	
<i>For Class 55 Rating, Add</i>	3,491.74	
<i>For Class 56 Rating, Add</i>	4,624.03	
40 05 19 00-2877 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,059.80	766.03
<i>For Class 52 Rating, Deduct</i>	-1,748.91	
<i>For Class 54 Rating, Add</i>	2,398.80	
<i>For Class 55 Rating, Add</i>	3,573.37	
<i>For Class 56 Rating, Add</i>	4,732.03	
40 05 19 00-2878 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,430.39	769.39
<i>For Class 52 Rating, Deduct</i>	-1,789.11	
<i>For Class 54 Rating, Add</i>	2,453.69	
<i>For Class 55 Rating, Add</i>	3,654.99	
<i>For Class 56 Rating, Add</i>	4,840.04	
40 05 19 00-2879 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2800)</small>		
40 05 19 00-2880 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,348.91	727.06
<i>For Class 52 Rating, Deduct</i>	-357.20	
<i>For Class 54 Rating, Add</i>	500.32	
<i>For Class 55 Rating, Add</i>	750.59	
<i>For Class 56 Rating, Add</i>	997.61	
40 05 19 00-2881 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,775.73	730.42
<i>For Class 52 Rating, Deduct</i>	-403.59	
<i>For Class 54 Rating, Add</i>	563.63	
<i>For Class 55 Rating, Add</i>	844.75	
<i>For Class 56 Rating, Add</i>	1,122.21	
40 05 19 00-2882 EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,202.54	733.78
<i>For Class 52 Rating, Deduct</i>	-449.98	
<i>For Class 54 Rating, Add</i>	626.96	
<i>For Class 55 Rating, Add</i>	938.92	
<i>For Class 56 Rating, Add</i>	1,246.80	
40 05 19 00-2883 EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,629.36	737.14
<i>For Class 52 Rating, Deduct</i>	-496.37	
<i>For Class 54 Rating, Add</i>	690.28	
<i>For Class 55 Rating, Add</i>	1,033.09	
<i>For Class 56 Rating, Add</i>	1,371.39	
40 05 19 00-2884 EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,056.19	740.50
<i>For Class 52 Rating, Deduct</i>	-542.76	
<i>For Class 54 Rating, Add</i>	753.60	
<i>For Class 55 Rating, Add</i>	1,127.26	
<i>For Class 56 Rating, Add</i>	1,495.99	
40 05 19 00-2885 EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,483.01	743.87
<i>For Class 52 Rating, Deduct</i>	-589.15	
<i>For Class 54 Rating, Add</i>	816.92	
<i>For Class 55 Rating, Add</i>	1,221.43	
<i>For Class 56 Rating, Add</i>	1,620.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2886	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,909.81	747.22
			<i>For Class 52 Rating, Deduct</i>	-635.54	
			<i>For Class 54 Rating, Add</i>	880.24	
			<i>For Class 55 Rating, Add</i>	1,315.59	
			<i>For Class 56 Rating, Add</i>	1,745.17	
40 05 19 00-2887	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,336.63	750.58
			<i>For Class 52 Rating, Deduct</i>	-681.93	
			<i>For Class 54 Rating, Add</i>	943.56	
			<i>For Class 55 Rating, Add</i>	1,409.76	
			<i>For Class 56 Rating, Add</i>	1,869.76	
40 05 19 00-2888	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,763.46	753.94
			<i>For Class 52 Rating, Deduct</i>	-728.32	
			<i>For Class 54 Rating, Add</i>	1,006.88	
			<i>For Class 55 Rating, Add</i>	1,503.93	
			<i>For Class 56 Rating, Add</i>	1,994.36	
40 05 19 00-2889	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,190.28	757.30
			<i>For Class 52 Rating, Deduct</i>	-774.71	
			<i>For Class 54 Rating, Add</i>	1,070.20	
			<i>For Class 55 Rating, Add</i>	1,598.10	
			<i>For Class 56 Rating, Add</i>	2,118.95	
40 05 19 00-2890	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,617.10	760.66
			<i>For Class 52 Rating, Deduct</i>	-821.10	
			<i>For Class 54 Rating, Add</i>	1,133.52	
			<i>For Class 55 Rating, Add</i>	1,692.26	
			<i>For Class 56 Rating, Add</i>	2,243.54	
40 05 19 00-2891	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,043.91	764.02
			<i>For Class 52 Rating, Deduct</i>	-867.49	
			<i>For Class 54 Rating, Add</i>	1,196.84	
			<i>For Class 55 Rating, Add</i>	1,786.43	
			<i>For Class 56 Rating, Add</i>	2,368.14	
40 05 19 00-2892	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,470.73	767.38
			<i>For Class 52 Rating, Deduct</i>	-913.88	
			<i>For Class 54 Rating, Add</i>	1,260.16	
			<i>For Class 55 Rating, Add</i>	1,880.60	
			<i>For Class 56 Rating, Add</i>	2,492.73	
40 05 19 00-2893	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,897.55	770.74
			<i>For Class 52 Rating, Deduct</i>	-960.27	
			<i>For Class 54 Rating, Add</i>	1,323.48	
			<i>For Class 55 Rating, Add</i>	1,974.77	
			<i>For Class 56 Rating, Add</i>	2,617.32	
40 05 19 00-2894	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,324.37	774.10
			<i>For Class 52 Rating, Deduct</i>	-1,006.67	
			<i>For Class 54 Rating, Add</i>	1,386.80	
			<i>For Class 55 Rating, Add</i>	2,068.93	
			<i>For Class 56 Rating, Add</i>	2,741.92	
40 05 19 00-2895	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,751.20	777.46
			<i>For Class 52 Rating, Deduct</i>	-1,053.06	
			<i>For Class 54 Rating, Add</i>	1,450.12	
			<i>For Class 55 Rating, Add</i>	2,163.10	
			<i>For Class 56 Rating, Add</i>	2,866.51	
40 05 19 00-2896	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,178.00	780.82
			<i>For Class 52 Rating, Deduct</i>	-1,099.44	
			<i>For Class 54 Rating, Add</i>	1,513.44	
			<i>For Class 55 Rating, Add</i>	2,257.27	
			<i>For Class 56 Rating, Add</i>	2,991.10	
40 05 19 00-2897	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,604.82	784.18
			<i>For Class 52 Rating, Deduct</i>	-1,145.83	
			<i>For Class 54 Rating, Add</i>	1,576.76	
			<i>For Class 55 Rating, Add</i>	2,351.44	
			<i>For Class 56 Rating, Add</i>	3,115.69	
40 05 19 00-2898	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,031.65	787.53
			<i>For Class 52 Rating, Deduct</i>	-1,192.23	
			<i>For Class 54 Rating, Add</i>	1,640.08	
			<i>For Class 55 Rating, Add</i>	2,445.60	
			<i>For Class 56 Rating, Add</i>	3,240.29	
40 05 19 00-2899	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,458.47	790.90
			<i>For Class 52 Rating, Deduct</i>	-1,238.62	
			<i>For Class 54 Rating, Add</i>	1,703.40	
			<i>For Class 55 Rating, Add</i>	2,539.77	
			<i>For Class 56 Rating, Add</i>	3,364.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2900 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	12,885.28	794.26
<i>For Class 52 Rating, Deduct</i>	-1,285.01	
<i>For Class 54 Rating, Add</i>	1,766.72	
<i>For Class 55 Rating, Add</i>	2,633.94	
<i>For Class 56 Rating, Add</i>	3,489.47	
40 05 19 00-2901 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	13,312.09	797.62
<i>For Class 52 Rating, Deduct</i>	-1,331.39	
<i>For Class 54 Rating, Add</i>	1,830.04	
<i>For Class 55 Rating, Add</i>	2,728.10	
<i>For Class 56 Rating, Add</i>	3,614.07	
40 05 19 00-2902 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	13,738.92	800.98
<i>For Class 52 Rating, Deduct</i>	-1,377.79	
<i>For Class 54 Rating, Add</i>	1,893.36	
<i>For Class 55 Rating, Add</i>	2,822.27	
<i>For Class 56 Rating, Add</i>	3,738.66	
40 05 19 00-2903 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	14,165.74	804.34
<i>For Class 52 Rating, Deduct</i>	-1,424.18	
<i>For Class 54 Rating, Add</i>	1,956.68	
<i>For Class 55 Rating, Add</i>	2,916.44	
<i>For Class 56 Rating, Add</i>	3,863.25	
40 05 19 00-2904 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	14,592.56	807.69
<i>For Class 52 Rating, Deduct</i>	-1,470.57	
<i>For Class 54 Rating, Add</i>	2,020.00	
<i>For Class 55 Rating, Add</i>	3,010.61	
<i>For Class 56 Rating, Add</i>	3,987.85	
40 05 19 00-2905 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	15,019.37	811.05
<i>For Class 52 Rating, Deduct</i>	-1,516.96	
<i>For Class 54 Rating, Add</i>	2,083.32	
<i>For Class 55 Rating, Add</i>	3,104.78	
<i>For Class 56 Rating, Add</i>	4,112.44	
40 05 19 00-2906 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	15,446.19	814.42
<i>For Class 52 Rating, Deduct</i>	-1,563.35	
<i>For Class 54 Rating, Add</i>	2,146.64	
<i>For Class 55 Rating, Add</i>	3,198.94	
<i>For Class 56 Rating, Add</i>	4,237.03	
40 05 19 00-2907 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	15,873.01	817.78
<i>For Class 52 Rating, Deduct</i>	-1,609.74	
<i>For Class 54 Rating, Add</i>	2,209.96	
<i>For Class 55 Rating, Add</i>	3,293.11	
<i>For Class 56 Rating, Add</i>	4,361.62	
40 05 19 00-2908 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	16,299.83	821.14
<i>For Class 52 Rating, Deduct</i>	-1,656.13	
<i>For Class 54 Rating, Add</i>	2,273.28	
<i>For Class 55 Rating, Add</i>	3,387.28	
<i>For Class 56 Rating, Add</i>	4,486.22	
40 05 19 00-2909 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	16,726.65	824.50
<i>For Class 52 Rating, Deduct</i>	-1,702.52	
<i>For Class 54 Rating, Add</i>	2,336.60	
<i>For Class 55 Rating, Add</i>	3,481.45	
<i>For Class 56 Rating, Add</i>	4,610.81	
40 05 19 00-2910 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	17,153.47	827.85
<i>For Class 52 Rating, Deduct</i>	-1,748.91	
<i>For Class 54 Rating, Add</i>	2,399.92	
<i>For Class 55 Rating, Add</i>	3,575.61	
<i>For Class 56 Rating, Add</i>	4,735.40	
40 05 19 00-2911 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	17,580.28	831.21
<i>For Class 52 Rating, Deduct</i>	-1,795.30	
<i>For Class 54 Rating, Add</i>	2,463.24	
<i>For Class 55 Rating, Add</i>	3,669.78	
<i>For Class 56 Rating, Add</i>	4,860.00	
40 05 19 00-2912 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	18,007.10	834.57
<i>For Class 52 Rating, Deduct</i>	-1,841.69	
<i>For Class 54 Rating, Add</i>	2,526.56	
<i>For Class 55 Rating, Add</i>	3,763.95	
<i>For Class 56 Rating, Add</i>	4,984.59	
40 05 19 00-2913 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	18,433.93	837.94
<i>For Class 52 Rating, Deduct</i>	-1,888.08	
<i>For Class 54 Rating, Add</i>	2,589.88	
<i>For Class 55 Rating, Add</i>	3,858.12	
<i>For Class 56 Rating, Add</i>	5,109.18	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,860.74		841.30
		<i>For Class 52 Rating, Deduct</i>	-1,934.47		
		<i>For Class 54 Rating, Add</i>	2,653.21		
		<i>For Class 55 Rating, Add</i>	3,952.28		
		<i>For Class 56 Rating, Add</i>	5,233.78		
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,287.56		844.66
		<i>For Class 52 Rating, Deduct</i>	-1,980.86		
		<i>For Class 54 Rating, Add</i>	2,716.53		
		<i>For Class 55 Rating, Add</i>	4,046.45		
		<i>For Class 56 Rating, Add</i>	5,358.37		
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,714.37		848.02
		<i>For Class 52 Rating, Deduct</i>	-2,027.25		
		<i>For Class 54 Rating, Add</i>	2,779.84		
		<i>For Class 55 Rating, Add</i>	4,140.62		
		<i>For Class 56 Rating, Add</i>	5,482.96		
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,141.20		851.37
		<i>For Class 52 Rating, Deduct</i>	-2,073.64		
		<i>For Class 54 Rating, Add</i>	2,843.17		
		<i>For Class 55 Rating, Add</i>	4,234.79		
		<i>For Class 56 Rating, Add</i>	5,607.55		
40 05 19 00-2918 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>					
40 05 19 00-2919	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,038.87		829.86
		<i>For Class 52 Rating, Deduct</i>	-415.96		
		<i>For Class 54 Rating, Add</i>	582.31		
		<i>For Class 55 Rating, Add</i>	873.45		
		<i>For Class 56 Rating, Add</i>	1,160.81		
40 05 19 00-2920	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,524.73		833.23
		<i>For Class 52 Rating, Deduct</i>	-468.85		
		<i>For Class 54 Rating, Add</i>	654.49		
		<i>For Class 55 Rating, Add</i>	980.78		
		<i>For Class 56 Rating, Add</i>	1,302.82		
40 05 19 00-2921	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,010.58		836.59
		<i>For Class 52 Rating, Deduct</i>	-521.73		
		<i>For Class 54 Rating, Add</i>	726.67		
		<i>For Class 55 Rating, Add</i>	1,088.12		
		<i>For Class 56 Rating, Add</i>	1,444.83		
40 05 19 00-2922	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,496.44		839.95
		<i>For Class 52 Rating, Deduct</i>	-574.62		
		<i>For Class 54 Rating, Add</i>	798.84		
		<i>For Class 55 Rating, Add</i>	1,195.45		
		<i>For Class 56 Rating, Add</i>	1,586.84		
40 05 19 00-2923	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,982.31		843.31
		<i>For Class 52 Rating, Deduct</i>	-627.50		
		<i>For Class 54 Rating, Add</i>	871.02		
		<i>For Class 55 Rating, Add</i>	1,302.78		
		<i>For Class 56 Rating, Add</i>	1,728.85		
40 05 19 00-2924	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,468.17		846.67
		<i>For Class 52 Rating, Deduct</i>	-680.39		
		<i>For Class 54 Rating, Add</i>	943.19		
		<i>For Class 55 Rating, Add</i>	1,410.12		
		<i>For Class 56 Rating, Add</i>	1,870.86		
40 05 19 00-2925	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,954.03		850.02
		<i>For Class 52 Rating, Deduct</i>	-733.27		
		<i>For Class 54 Rating, Add</i>	1,015.37		
		<i>For Class 55 Rating, Add</i>	1,517.45		
		<i>For Class 56 Rating, Add</i>	2,012.87		
40 05 19 00-2926	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,439.89		853.38
		<i>For Class 52 Rating, Deduct</i>	-786.16		
		<i>For Class 54 Rating, Add</i>	1,087.55		
		<i>For Class 55 Rating, Add</i>	1,624.79		
		<i>For Class 56 Rating, Add</i>	2,154.88		
40 05 19 00-2927	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,925.75		856.75
		<i>For Class 52 Rating, Deduct</i>	-839.04		
		<i>For Class 54 Rating, Add</i>	1,159.72		
		<i>For Class 55 Rating, Add</i>	1,732.12		
		<i>For Class 56 Rating, Add</i>	2,296.89		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2928 EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,411.61	860.11
<i>For Class 52 Rating, Deduct</i>	-891.93	
<i>For Class 54 Rating, Add</i>	1,231.90	
<i>For Class 55 Rating, Add</i>	1,839.45	
<i>For Class 56 Rating, Add</i>	2,438.90	
40 05 19 00-2929 EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,897.47	863.47
<i>For Class 52 Rating, Deduct</i>	-944.81	
<i>For Class 54 Rating, Add</i>	1,304.08	
<i>For Class 55 Rating, Add</i>	1,946.79	
<i>For Class 56 Rating, Add</i>	2,580.91	
40 05 19 00-2930 EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,383.33	866.83
<i>For Class 52 Rating, Deduct</i>	-997.70	
<i>For Class 54 Rating, Add</i>	1,376.25	
<i>For Class 55 Rating, Add</i>	2,054.12	
<i>For Class 56 Rating, Add</i>	2,722.92	
40 05 19 00-2931 EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,869.19	870.18
<i>For Class 52 Rating, Deduct</i>	-1,050.58	
<i>For Class 54 Rating, Add</i>	1,448.43	
<i>For Class 55 Rating, Add</i>	2,161.46	
<i>For Class 56 Rating, Add</i>	2,864.93	
40 05 19 00-2932 EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,355.05	873.54
<i>For Class 52 Rating, Deduct</i>	-1,103.47	
<i>For Class 54 Rating, Add</i>	1,520.61	
<i>For Class 55 Rating, Add</i>	2,268.79	
<i>For Class 56 Rating, Add</i>	3,006.94	
40 05 19 00-2933 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,840.91	876.90
<i>For Class 52 Rating, Deduct</i>	-1,156.35	
<i>For Class 54 Rating, Add</i>	1,592.78	
<i>For Class 55 Rating, Add</i>	2,376.12	
<i>For Class 56 Rating, Add</i>	3,148.95	
40 05 19 00-2934 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,326.78	880.27
<i>For Class 52 Rating, Deduct</i>	-1,209.23	
<i>For Class 54 Rating, Add</i>	1,664.96	
<i>For Class 55 Rating, Add</i>	2,483.46	
<i>For Class 56 Rating, Add</i>	3,290.96	
40 05 19 00-2935 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,812.63	883.63
<i>For Class 52 Rating, Deduct</i>	-1,262.12	
<i>For Class 54 Rating, Add</i>	1,737.14	
<i>For Class 55 Rating, Add</i>	2,590.79	
<i>For Class 56 Rating, Add</i>	3,432.97	
40 05 19 00-2936 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,298.49	886.99
<i>For Class 52 Rating, Deduct</i>	-1,315.00	
<i>For Class 54 Rating, Add</i>	1,809.31	
<i>For Class 55 Rating, Add</i>	2,698.13	
<i>For Class 56 Rating, Add</i>	3,574.98	
40 05 19 00-2937 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,784.36	890.34
<i>For Class 52 Rating, Deduct</i>	-1,367.89	
<i>For Class 54 Rating, Add</i>	1,881.49	
<i>For Class 55 Rating, Add</i>	2,805.46	
<i>For Class 56 Rating, Add</i>	3,716.99	
40 05 19 00-2938 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,270.22	893.70
<i>For Class 52 Rating, Deduct</i>	-1,420.77	
<i>For Class 54 Rating, Add</i>	1,953.67	
<i>For Class 55 Rating, Add</i>	2,912.79	
<i>For Class 56 Rating, Add</i>	3,859.00	
40 05 19 00-2939 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,756.07	897.06
<i>For Class 52 Rating, Deduct</i>	-1,473.66	
<i>For Class 54 Rating, Add</i>	2,025.84	
<i>For Class 55 Rating, Add</i>	3,020.13	
<i>For Class 56 Rating, Add</i>	4,001.01	
40 05 19 00-2940 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,241.93	900.42
<i>For Class 52 Rating, Deduct</i>	-1,526.54	
<i>For Class 54 Rating, Add</i>	2,098.02	
<i>For Class 55 Rating, Add</i>	3,127.46	
<i>For Class 56 Rating, Add</i>	4,143.02	
40 05 19 00-2941 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,727.80	903.79
<i>For Class 52 Rating, Deduct</i>	-1,579.43	
<i>For Class 54 Rating, Add</i>	2,170.20	
<i>For Class 55 Rating, Add</i>	3,234.79	
<i>For Class 56 Rating, Add</i>	4,285.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2942	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,213.66	907.15
			<i>For Class 52 Rating, Deduct</i>	-1,632.31	
			<i>For Class 54 Rating, Add</i>	2,242.37	
			<i>For Class 55 Rating, Add</i>	3,342.13	
			<i>For Class 56 Rating, Add</i>	4,427.04	
40 05 19 00-2943	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,699.52	910.50
			<i>For Class 52 Rating, Deduct</i>	-1,685.20	
			<i>For Class 54 Rating, Add</i>	2,314.55	
			<i>For Class 55 Rating, Add</i>	3,449.46	
			<i>For Class 56 Rating, Add</i>	4,569.05	
40 05 19 00-2944	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,185.38	913.86
			<i>For Class 52 Rating, Deduct</i>	-1,738.08	
			<i>For Class 54 Rating, Add</i>	2,386.73	
			<i>For Class 55 Rating, Add</i>	3,556.80	
			<i>For Class 56 Rating, Add</i>	4,711.07	
40 05 19 00-2945	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,671.24	917.22
			<i>For Class 52 Rating, Deduct</i>	-1,790.97	
			<i>For Class 54 Rating, Add</i>	2,458.90	
			<i>For Class 55 Rating, Add</i>	3,664.13	
			<i>For Class 56 Rating, Add</i>	4,853.08	
40 05 19 00-2946	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,157.10	920.58
			<i>For Class 52 Rating, Deduct</i>	-1,843.85	
			<i>For Class 54 Rating, Add</i>	2,531.08	
			<i>For Class 55 Rating, Add</i>	3,771.46	
			<i>For Class 56 Rating, Add</i>	4,995.09	
40 05 19 00-2947	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,642.96	923.94
			<i>For Class 52 Rating, Deduct</i>	-1,896.74	
			<i>For Class 54 Rating, Add</i>	2,603.26	
			<i>For Class 55 Rating, Add</i>	3,878.80	
			<i>For Class 56 Rating, Add</i>	5,137.10	
40 05 19 00-2948	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,128.83	927.31
			<i>For Class 52 Rating, Deduct</i>	-1,949.62	
			<i>For Class 54 Rating, Add</i>	2,675.43	
			<i>For Class 55 Rating, Add</i>	3,986.13	
			<i>For Class 56 Rating, Add</i>	5,279.11	
40 05 19 00-2949	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,614.68	930.66
			<i>For Class 52 Rating, Deduct</i>	-2,002.50	
			<i>For Class 54 Rating, Add</i>	2,747.61	
			<i>For Class 55 Rating, Add</i>	4,093.47	
			<i>For Class 56 Rating, Add</i>	5,421.12	
40 05 19 00-2950	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,100.54	934.02
			<i>For Class 52 Rating, Deduct</i>	-2,055.39	
			<i>For Class 54 Rating, Add</i>	2,819.79	
			<i>For Class 55 Rating, Add</i>	4,200.80	
			<i>For Class 56 Rating, Add</i>	5,563.13	
40 05 19 00-2951	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,586.40	937.38
			<i>For Class 52 Rating, Deduct</i>	-2,108.27	
			<i>For Class 54 Rating, Add</i>	2,891.96	
			<i>For Class 55 Rating, Add</i>	4,308.13	
			<i>For Class 56 Rating, Add</i>	5,705.14	
40 05 19 00-2952	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,072.27	940.74
			<i>For Class 52 Rating, Deduct</i>	-2,161.16	
			<i>For Class 54 Rating, Add</i>	2,964.14	
			<i>For Class 55 Rating, Add</i>	4,415.47	
			<i>For Class 56 Rating, Add</i>	5,847.15	
40 05 19 00-2953	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,558.12	944.10
			<i>For Class 52 Rating, Deduct</i>	-2,214.04	
			<i>For Class 54 Rating, Add</i>	3,036.32	
			<i>For Class 55 Rating, Add</i>	4,522.80	
			<i>For Class 56 Rating, Add</i>	5,989.16	
40 05 19 00-2954	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,043.98	947.46
			<i>For Class 52 Rating, Deduct</i>	-2,266.93	
			<i>For Class 54 Rating, Add</i>	3,108.49	
			<i>For Class 55 Rating, Add</i>	4,630.14	
			<i>For Class 56 Rating, Add</i>	6,131.17	
40 05 19 00-2955	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,529.85	950.82
			<i>For Class 52 Rating, Deduct</i>	-2,319.81	
			<i>For Class 54 Rating, Add</i>	3,180.67	
			<i>For Class 55 Rating, Add</i>	4,737.47	
			<i>For Class 56 Rating, Add</i>	6,273.18	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2956	EA			20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,015.71	954.18
				<i>For Class 52 Rating, Deduct</i>	-2,372.70	
				<i>For Class 54 Rating, Add</i>	3,252.85	
				<i>For Class 55 Rating, Add</i>	4,844.80	
				<i>For Class 56 Rating, Add</i>	6,415.19	
40 05 19 00-2957				24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(#05 19 00-2600)</small>		
40 05 19 00-2958	EA			24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,260.41	981.06
				<i>For Class 52 Rating, Deduct</i>	-525.14	
				<i>For Class 54 Rating, Add</i>	733.93	
				<i>For Class 55 Rating, Add</i>	1,100.27	
				<i>For Class 56 Rating, Add</i>	1,461.83	
40 05 19 00-2959	EA			24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,861.54	984.42
				<i>For Class 52 Rating, Deduct</i>	-590.70	
				<i>For Class 54 Rating, Add</i>	823.40	
				<i>For Class 55 Rating, Add</i>	1,233.31	
				<i>For Class 56 Rating, Add</i>	1,637.85	
40 05 19 00-2960	EA			24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,462.69	987.78
				<i>For Class 52 Rating, Deduct</i>	-656.27	
				<i>For Class 54 Rating, Add</i>	912.87	
				<i>For Class 55 Rating, Add</i>	1,366.35	
				<i>For Class 56 Rating, Add</i>	1,813.86	
40 05 19 00-2961	EA			24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,063.81	991.13
				<i>For Class 52 Rating, Deduct</i>	-721.83	
				<i>For Class 54 Rating, Add</i>	1,002.33	
				<i>For Class 55 Rating, Add</i>	1,499.39	
				<i>For Class 56 Rating, Add</i>	1,989.88	
40 05 19 00-2962	EA			24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,664.94	994.49
				<i>For Class 52 Rating, Deduct</i>	-787.39	
				<i>For Class 54 Rating, Add</i>	1,091.80	
				<i>For Class 55 Rating, Add</i>	1,632.43	
				<i>For Class 56 Rating, Add</i>	2,165.89	
40 05 19 00-2963	EA			24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,266.07	997.86
				<i>For Class 52 Rating, Deduct</i>	-852.96	
				<i>For Class 54 Rating, Add</i>	1,181.27	
				<i>For Class 55 Rating, Add</i>	1,765.47	
				<i>For Class 56 Rating, Add</i>	2,341.91	
40 05 19 00-2964	EA			24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,867.21	1,001.22
				<i>For Class 52 Rating, Deduct</i>	-918.52	
				<i>For Class 54 Rating, Add</i>	1,270.74	
				<i>For Class 55 Rating, Add</i>	1,898.50	
				<i>For Class 56 Rating, Add</i>	2,517.92	
40 05 19 00-2965	EA			24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,468.34	1,004.58
				<i>For Class 52 Rating, Deduct</i>	-984.09	
				<i>For Class 54 Rating, Add</i>	1,360.20	
				<i>For Class 55 Rating, Add</i>	2,031.55	
				<i>For Class 56 Rating, Add</i>	2,693.94	
40 05 19 00-2966	EA			24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,069.47	1,007.94
				<i>For Class 52 Rating, Deduct</i>	-1,049.65	
				<i>For Class 54 Rating, Add</i>	1,449.67	
				<i>For Class 55 Rating, Add</i>	2,164.58	
				<i>For Class 56 Rating, Add</i>	2,869.96	
40 05 19 00-2967	EA			24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,670.61	1,011.29
				<i>For Class 52 Rating, Deduct</i>	-1,115.22	
				<i>For Class 54 Rating, Add</i>	1,539.14	
				<i>For Class 55 Rating, Add</i>	2,297.62	
				<i>For Class 56 Rating, Add</i>	3,045.97	
40 05 19 00-2968	EA			24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,271.74	1,014.65
				<i>For Class 52 Rating, Deduct</i>	-1,180.78	
				<i>For Class 54 Rating, Add</i>	1,628.61	
				<i>For Class 55 Rating, Add</i>	2,430.66	
				<i>For Class 56 Rating, Add</i>	3,221.99	
40 05 19 00-2969	EA			24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,872.88	1,018.01
				<i>For Class 52 Rating, Deduct</i>	-1,246.35	
				<i>For Class 54 Rating, Add</i>	1,718.07	
				<i>For Class 55 Rating, Add</i>	2,563.70	
				<i>For Class 56 Rating, Add</i>	3,398.01	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2970	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,474.00		1,021.38
		<i>For Class 52 Rating, Deduct</i>	-1,311.91		
		<i>For Class 54 Rating, Add</i>	1,807.54		
		<i>For Class 55 Rating, Add</i>	2,696.74		
		<i>For Class 56 Rating, Add</i>	3,574.02		
40 05 19 00-2971	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,075.14		1,024.74
		<i>For Class 52 Rating, Deduct</i>	-1,377.48		
		<i>For Class 54 Rating, Add</i>	1,897.01		
		<i>For Class 55 Rating, Add</i>	2,829.78		
		<i>For Class 56 Rating, Add</i>	3,750.04		
40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,676.27		1,028.10
		<i>For Class 52 Rating, Deduct</i>	-1,443.04		
		<i>For Class 54 Rating, Add</i>	1,986.48		
		<i>For Class 55 Rating, Add</i>	2,962.82		
		<i>For Class 56 Rating, Add</i>	3,926.05		
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,277.40		1,031.45
		<i>For Class 52 Rating, Deduct</i>	-1,508.60		
		<i>For Class 54 Rating, Add</i>	2,075.94		
		<i>For Class 55 Rating, Add</i>	3,095.86		
		<i>For Class 56 Rating, Add</i>	4,102.07		
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,878.55		1,034.81
		<i>For Class 52 Rating, Deduct</i>	-1,574.17		
		<i>For Class 54 Rating, Add</i>	2,165.41		
		<i>For Class 55 Rating, Add</i>	3,228.90		
		<i>For Class 56 Rating, Add</i>	4,278.08		
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,479.67		1,038.17
		<i>For Class 52 Rating, Deduct</i>	-1,639.73		
		<i>For Class 54 Rating, Add</i>	2,254.88		
		<i>For Class 55 Rating, Add</i>	3,361.94		
		<i>For Class 56 Rating, Add</i>	4,454.10		
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,080.80		1,041.53
		<i>For Class 52 Rating, Deduct</i>	-1,705.30		
		<i>For Class 54 Rating, Add</i>	2,344.34		
		<i>For Class 55 Rating, Add</i>	3,494.98		
		<i>For Class 56 Rating, Add</i>	4,630.11		
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,681.93		1,044.90
		<i>For Class 52 Rating, Deduct</i>	-1,770.86		
		<i>For Class 54 Rating, Add</i>	2,433.81		
		<i>For Class 55 Rating, Add</i>	3,628.02		
		<i>For Class 56 Rating, Add</i>	4,806.13		
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,283.08		1,048.26
		<i>For Class 52 Rating, Deduct</i>	-1,836.43		
		<i>For Class 54 Rating, Add</i>	2,523.28		
		<i>For Class 55 Rating, Add</i>	3,761.06		
		<i>For Class 56 Rating, Add</i>	4,982.15		
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,884.20		1,051.61
		<i>For Class 52 Rating, Deduct</i>	-1,901.99		
		<i>For Class 54 Rating, Add</i>	2,612.75		
		<i>For Class 55 Rating, Add</i>	3,894.10		
		<i>For Class 56 Rating, Add</i>	5,158.16		
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,485.33		1,054.97
		<i>For Class 52 Rating, Deduct</i>	-1,967.56		
		<i>For Class 54 Rating, Add</i>	2,702.21		
		<i>For Class 55 Rating, Add</i>	4,027.14		
		<i>For Class 56 Rating, Add</i>	5,334.18		
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,086.46		1,058.33
		<i>For Class 52 Rating, Deduct</i>	-2,033.12		
		<i>For Class 54 Rating, Add</i>	2,791.68		
		<i>For Class 55 Rating, Add</i>	4,160.18		
		<i>For Class 56 Rating, Add</i>	5,510.19		
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,687.60		1,061.69
		<i>For Class 52 Rating, Deduct</i>	-2,098.69		
		<i>For Class 54 Rating, Add</i>	2,881.15		
		<i>For Class 55 Rating, Add</i>	4,293.22		
		<i>For Class 56 Rating, Add</i>	5,686.21		
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,288.74		1,065.05
		<i>For Class 52 Rating, Deduct</i>	-2,164.25		
		<i>For Class 54 Rating, Add</i>	2,970.62		
		<i>For Class 55 Rating, Add</i>	4,426.26		
		<i>For Class 56 Rating, Add</i>	5,862.22		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2984 EA 24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,889.86	1,068.42
For Class 52 Rating, Deduct	-2,229.82	
For Class 54 Rating, Add	3,060.08	
For Class 55 Rating, Add	4,559.30	
For Class 56 Rating, Add	6,038.24	
40 05 19 00-2985 EA 24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,491.00	1,071.77
For Class 52 Rating, Deduct	-2,295.38	
For Class 54 Rating, Add	3,149.55	
For Class 55 Rating, Add	4,692.34	
For Class 56 Rating, Add	6,214.25	
40 05 19 00-2986 EA 24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,092.13	1,075.13
For Class 52 Rating, Deduct	-2,360.95	
For Class 54 Rating, Add	3,239.02	
For Class 55 Rating, Add	4,825.38	
For Class 56 Rating, Add	6,390.27	
40 05 19 00-2987 EA 24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,779.81	1,135.60
For Class 52 Rating, Deduct	-2,426.51	
For Class 54 Rating, Add	3,329.53	
For Class 55 Rating, Add	4,960.49	
For Class 56 Rating, Add	6,569.40	
40 05 19 00-2988 EA 24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,380.94	1,138.97
For Class 52 Rating, Deduct	-2,492.08	
For Class 54 Rating, Add	3,418.99	
For Class 55 Rating, Add	5,093.53	
For Class 56 Rating, Add	6,745.42	
40 05 19 00-2989 EA 24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,982.07	1,142.33
For Class 52 Rating, Deduct	-2,557.64	
For Class 54 Rating, Add	3,508.46	
For Class 55 Rating, Add	5,226.57	
For Class 56 Rating, Add	6,921.43	
40 05 19 00-2990 EA 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,583.20	1,145.69
For Class 52 Rating, Deduct	-2,623.20	
For Class 54 Rating, Add	3,597.93	
For Class 55 Rating, Add	5,359.61	
For Class 56 Rating, Add	7,097.45	
40 05 19 00-2991 EA 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,184.33	1,149.05
For Class 52 Rating, Deduct	-2,688.77	
For Class 54 Rating, Add	3,687.39	
For Class 55 Rating, Add	5,492.65	
For Class 56 Rating, Add	7,273.46	
40 05 19 00-2992 EA 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,782.66	1,152.41
For Class 52 Rating, Deduct	-2,754.02	
For Class 54 Rating, Add	3,776.44	
For Class 55 Rating, Add	5,625.07	
For Class 56 Rating, Add	7,448.65	
40 05 19 00-2993 EA 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,386.61	1,155.76
For Class 52 Rating, Deduct	-2,819.90	
For Class 54 Rating, Add	3,866.33	
For Class 55 Rating, Add	5,758.73	
For Class 56 Rating, Add	7,625.50	
40 05 19 00-2994 EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,987.73	1,159.12
For Class 52 Rating, Deduct	-2,885.46	
For Class 54 Rating, Add	3,955.80	
For Class 55 Rating, Add	5,891.77	
For Class 56 Rating, Add	7,801.51	
40 05 19 00-2995 EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,588.86	1,162.49
For Class 52 Rating, Deduct	-2,951.03	
For Class 54 Rating, Add	4,045.26	
For Class 55 Rating, Add	6,024.81	
For Class 56 Rating, Add	7,977.53	
40 05 19 00-2996 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2997 EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,615.32	1,384.23
For Class 52 Rating, Deduct	-826.98	
For Class 54 Rating, Add	1,152.87	
For Class 55 Rating, Add	1,726.85	
For Class 56 Rating, Add	2,293.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2998	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,475.13		1,387.59
		<i>For Class 52 Rating, Deduct</i>	-921.00		
		<i>For Class 54 Rating, Add</i>	1,281.14		
		<i>For Class 55 Rating, Add</i>	1,917.57		
		<i>For Class 56 Rating, Add</i>	2,545.64		
40 05 19 00-2999	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,334.91		1,390.95
		<i>For Class 52 Rating, Deduct</i>	-1,015.02		
		<i>For Class 54 Rating, Add</i>	1,409.40		
		<i>For Class 55 Rating, Add</i>	2,108.29		
		<i>For Class 56 Rating, Add</i>	2,797.96		
40 05 19 00-3000	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,194.70		1,394.31
		<i>For Class 52 Rating, Deduct</i>	-1,109.03		
		<i>For Class 54 Rating, Add</i>	1,537.67		
		<i>For Class 55 Rating, Add</i>	2,299.01		
		<i>For Class 56 Rating, Add</i>	3,050.28		
40 05 19 00-3001	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,054.50		1,397.68
		<i>For Class 52 Rating, Deduct</i>	-1,203.05		
		<i>For Class 54 Rating, Add</i>	1,665.93		
		<i>For Class 55 Rating, Add</i>	2,489.73		
		<i>For Class 56 Rating, Add</i>	3,302.60		
40 05 19 00-3002	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,914.29		1,401.03
		<i>For Class 52 Rating, Deduct</i>	-1,297.07		
		<i>For Class 54 Rating, Add</i>	1,794.20		
		<i>For Class 55 Rating, Add</i>	2,680.45		
		<i>For Class 56 Rating, Add</i>	3,554.92		
40 05 19 00-3003	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,774.08		1,404.39
		<i>For Class 52 Rating, Deduct</i>	-1,391.08		
		<i>For Class 54 Rating, Add</i>	1,922.47		
		<i>For Class 55 Rating, Add</i>	2,871.18		
		<i>For Class 56 Rating, Add</i>	3,807.24		
40 05 19 00-3004	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,633.87		1,407.75
		<i>For Class 52 Rating, Deduct</i>	-1,485.10		
		<i>For Class 54 Rating, Add</i>	2,050.73		
		<i>For Class 55 Rating, Add</i>	3,061.90		
		<i>For Class 56 Rating, Add</i>	4,059.56		
40 05 19 00-3005	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,493.67		1,411.11
		<i>For Class 52 Rating, Deduct</i>	-1,579.12		
		<i>For Class 54 Rating, Add</i>	2,179.00		
		<i>For Class 55 Rating, Add</i>	3,252.62		
		<i>For Class 56 Rating, Add</i>	4,311.88		
40 05 19 00-3006	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,353.46		1,414.47
		<i>For Class 52 Rating, Deduct</i>	-1,673.14		
		<i>For Class 54 Rating, Add</i>	2,307.27		
		<i>For Class 55 Rating, Add</i>	3,443.34		
		<i>For Class 56 Rating, Add</i>	4,564.20		
40 05 19 00-3007	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,213.26		1,417.83
		<i>For Class 52 Rating, Deduct</i>	-1,767.15		
		<i>For Class 54 Rating, Add</i>	2,435.53		
		<i>For Class 55 Rating, Add</i>	3,634.06		
		<i>For Class 56 Rating, Add</i>	4,816.52		
40 05 19 00-3008	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,073.04		1,421.19
		<i>For Class 52 Rating, Deduct</i>	-1,861.17		
		<i>For Class 54 Rating, Add</i>	2,563.80		
		<i>For Class 55 Rating, Add</i>	3,824.78		
		<i>For Class 56 Rating, Add</i>	5,068.84		
40 05 19 00-3009	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,932.84		1,424.55
		<i>For Class 52 Rating, Deduct</i>	-1,955.19		
		<i>For Class 54 Rating, Add</i>	2,692.07		
		<i>For Class 55 Rating, Add</i>	4,015.50		
		<i>For Class 56 Rating, Add</i>	5,321.16		
40 05 19 00-3010	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,792.63		1,427.91
		<i>For Class 52 Rating, Deduct</i>	-2,049.20		
		<i>For Class 54 Rating, Add</i>	2,820.33		
		<i>For Class 55 Rating, Add</i>	4,206.22		
		<i>For Class 56 Rating, Add</i>	5,573.48		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,652.42		1,431.27
		<i>For Class 52 Rating, Deduct</i>	-2,143.22		
		<i>For Class 54 Rating, Add</i>	2,948.60		
		<i>For Class 55 Rating, Add</i>	4,396.94		
		<i>For Class 56 Rating, Add</i>	5,825.80		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3012	EA			30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,512.22	1,434.63
				<i>For Class 52 Rating, Deduct</i>	-2,237.24	
				<i>For Class 54 Rating, Add</i>	3,076.87	
				<i>For Class 55 Rating, Add</i>	4,587.66	
				<i>For Class 56 Rating, Add</i>	6,078.12	
40 05 19 00-3013	EA			30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,372.01	1,437.99
				<i>For Class 52 Rating, Deduct</i>	-2,331.26	
				<i>For Class 54 Rating, Add</i>	3,205.13	
				<i>For Class 55 Rating, Add</i>	4,778.38	
				<i>For Class 56 Rating, Add</i>	6,330.44	
40 05 19 00-3014	EA			30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,231.80	1,441.34
				<i>For Class 52 Rating, Deduct</i>	-2,425.27	
				<i>For Class 54 Rating, Add</i>	3,333.40	
				<i>For Class 55 Rating, Add</i>	4,969.10	
				<i>For Class 56 Rating, Add</i>	6,582.76	
40 05 19 00-3015	EA			30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,091.59	1,444.71
				<i>For Class 52 Rating, Deduct</i>	-2,519.29	
				<i>For Class 54 Rating, Add</i>	3,461.66	
				<i>For Class 55 Rating, Add</i>	5,159.82	
				<i>For Class 56 Rating, Add</i>	6,835.08	
40 05 19 00-3016	EA			30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,951.39	1,448.07
				<i>For Class 52 Rating, Deduct</i>	-2,613.31	
				<i>For Class 54 Rating, Add</i>	3,589.93	
				<i>For Class 55 Rating, Add</i>	5,350.54	
				<i>For Class 56 Rating, Add</i>	7,087.40	
40 05 19 00-3017	EA			30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,811.18	1,451.43
				<i>For Class 52 Rating, Deduct</i>	-2,707.33	
				<i>For Class 54 Rating, Add</i>	3,718.20	
				<i>For Class 55 Rating, Add</i>	5,541.27	
				<i>For Class 56 Rating, Add</i>	7,339.72	
40 05 19 00-3018	EA			30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,670.97	1,454.79
				<i>For Class 52 Rating, Deduct</i>	-2,801.34	
				<i>For Class 54 Rating, Add</i>	3,846.46	
				<i>For Class 55 Rating, Add</i>	5,731.99	
				<i>For Class 56 Rating, Add</i>	7,592.04	
40 05 19 00-3019	EA			30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,530.77	1,458.15
				<i>For Class 52 Rating, Deduct</i>	-2,895.36	
				<i>For Class 54 Rating, Add</i>	3,974.73	
				<i>For Class 55 Rating, Add</i>	5,922.71	
				<i>For Class 56 Rating, Add</i>	7,844.36	
40 05 19 00-3020	EA			30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,390.56	1,461.50
				<i>For Class 52 Rating, Deduct</i>	-2,989.38	
				<i>For Class 54 Rating, Add</i>	4,103.00	
				<i>For Class 55 Rating, Add</i>	6,113.43	
				<i>For Class 56 Rating, Add</i>	8,096.68	
40 05 19 00-3021	EA			30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,250.34	1,464.86
				<i>For Class 52 Rating, Deduct</i>	-3,083.39	
				<i>For Class 54 Rating, Add</i>	4,231.26	
				<i>For Class 55 Rating, Add</i>	6,304.15	
				<i>For Class 56 Rating, Add</i>	8,349.00	
40 05 19 00-3022	EA			30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,110.14	1,468.23
				<i>For Class 52 Rating, Deduct</i>	-3,177.41	
				<i>For Class 54 Rating, Add</i>	4,359.53	
				<i>For Class 55 Rating, Add</i>	6,494.87	
				<i>For Class 56 Rating, Add</i>	8,601.33	
40 05 19 00-3023	EA			30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,969.94	1,471.59
				<i>For Class 52 Rating, Deduct</i>	-3,271.43	
				<i>For Class 54 Rating, Add</i>	4,487.80	
				<i>For Class 55 Rating, Add</i>	6,685.59	
				<i>For Class 56 Rating, Add</i>	8,853.65	
40 05 19 00-3024	EA			30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,829.73	1,474.95
				<i>For Class 52 Rating, Deduct</i>	-3,365.45	
				<i>For Class 54 Rating, Add</i>	4,616.06	
				<i>For Class 55 Rating, Add</i>	6,876.31	
				<i>For Class 56 Rating, Add</i>	9,105.96	
40 05 19 00-3025	EA			30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,689.52	1,478.31
				<i>For Class 52 Rating, Deduct</i>	-3,459.46	
				<i>For Class 54 Rating, Add</i>	4,744.33	
				<i>For Class 55 Rating, Add</i>	7,067.03	
				<i>For Class 56 Rating, Add</i>	9,358.28	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3026	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,549.30	1,481.66
			<i>For Class 52 Rating, Deduct</i>	-3,553.48	
			<i>For Class 54 Rating, Add</i>	4,872.59	
			<i>For Class 55 Rating, Add</i>	7,257.75	
			<i>For Class 56 Rating, Add</i>	9,610.60	
40 05 19 00-3027	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,409.11	1,485.02
			<i>For Class 52 Rating, Deduct</i>	-3,647.50	
			<i>For Class 54 Rating, Add</i>	5,000.86	
			<i>For Class 55 Rating, Add</i>	7,448.47	
			<i>For Class 56 Rating, Add</i>	9,862.93	
40 05 19 00-3028	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,268.90	1,488.38
			<i>For Class 52 Rating, Deduct</i>	-3,741.51	
			<i>For Class 54 Rating, Add</i>	5,129.13	
			<i>For Class 55 Rating, Add</i>	7,639.19	
			<i>For Class 56 Rating, Add</i>	10,115.25	
40 05 19 00-3029	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,128.69	1,491.75
			<i>For Class 52 Rating, Deduct</i>	-3,835.53	
			<i>For Class 54 Rating, Add</i>	5,257.39	
			<i>For Class 55 Rating, Add</i>	7,829.91	
			<i>For Class 56 Rating, Add</i>	10,367.57	
40 05 19 00-3030	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,988.49	1,495.11
			<i>For Class 52 Rating, Deduct</i>	-3,929.55	
			<i>For Class 54 Rating, Add</i>	5,385.66	
			<i>For Class 55 Rating, Add</i>	8,020.63	
			<i>For Class 56 Rating, Add</i>	10,619.89	
40 05 19 00-3031	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,848.28	1,498.47
			<i>For Class 52 Rating, Deduct</i>	-4,023.57	
			<i>For Class 54 Rating, Add</i>	5,513.93	
			<i>For Class 55 Rating, Add</i>	8,211.36	
			<i>For Class 56 Rating, Add</i>	10,872.21	
40 05 19 00-3032			36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-3033	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,287.65	1,753.81
			<i>For Class 52 Rating, Deduct</i>	-1,169.34	
			<i>For Class 54 Rating, Add</i>	1,626.44	
			<i>For Class 55 Rating, Add</i>	2,434.35	
			<i>For Class 56 Rating, Add</i>	3,231.62	
40 05 19 00-3034	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,439.83	1,757.17
			<i>For Class 52 Rating, Deduct</i>	-1,295.52	
			<i>For Class 54 Rating, Add</i>	1,798.57	
			<i>For Class 55 Rating, Add</i>	2,690.27	
			<i>For Class 56 Rating, Add</i>	3,570.20	
40 05 19 00-3035	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,592.03	1,760.53
			<i>For Class 52 Rating, Deduct</i>	-1,421.70	
			<i>For Class 54 Rating, Add</i>	1,970.69	
			<i>For Class 55 Rating, Add</i>	2,946.20	
			<i>For Class 56 Rating, Add</i>	3,908.77	
40 05 19 00-3036	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,744.22	1,763.89
			<i>For Class 52 Rating, Deduct</i>	-1,547.88	
			<i>For Class 54 Rating, Add</i>	2,142.82	
			<i>For Class 55 Rating, Add</i>	3,202.12	
			<i>For Class 56 Rating, Add</i>	4,247.35	
40 05 19 00-3037	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,896.41	1,767.24
			<i>For Class 52 Rating, Deduct</i>	-1,674.06	
			<i>For Class 54 Rating, Add</i>	2,314.95	
			<i>For Class 55 Rating, Add</i>	3,458.05	
			<i>For Class 56 Rating, Add</i>	4,585.93	
40 05 19 00-3038	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,048.60	1,770.61
			<i>For Class 52 Rating, Deduct</i>	-1,800.24	
			<i>For Class 54 Rating, Add</i>	2,487.07	
			<i>For Class 55 Rating, Add</i>	3,713.97	
			<i>For Class 56 Rating, Add</i>	4,924.51	
40 05 19 00-3039	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,200.79	1,773.97
			<i>For Class 52 Rating, Deduct</i>	-1,926.43	
			<i>For Class 54 Rating, Add</i>	2,659.20	
			<i>For Class 55 Rating, Add</i>	3,969.90	
			<i>For Class 56 Rating, Add</i>	5,263.09	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA			36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,352.98	1,777.33
				<i>For Class 52 Rating, Deduct</i>	-2,052.61	
				<i>For Class 54 Rating, Add</i>	2,831.32	
				<i>For Class 55 Rating, Add</i>	4,225.82	
				<i>For Class 56 Rating, Add</i>	5,601.66	
40 05 19 00-3041	EA			36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,505.17	1,780.69
				<i>For Class 52 Rating, Deduct</i>	-2,178.79	
				<i>For Class 54 Rating, Add</i>	3,003.45	
				<i>For Class 55 Rating, Add</i>	4,481.75	
				<i>For Class 56 Rating, Add</i>	5,940.24	
40 05 19 00-3042	EA			36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,657.36	1,784.05
				<i>For Class 52 Rating, Deduct</i>	-2,304.97	
				<i>For Class 54 Rating, Add</i>	3,175.58	
				<i>For Class 55 Rating, Add</i>	4,737.67	
				<i>For Class 56 Rating, Add</i>	6,278.82	
40 05 19 00-3043	EA			36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,809.55	1,787.40
				<i>For Class 52 Rating, Deduct</i>	-2,431.15	
				<i>For Class 54 Rating, Add</i>	3,347.70	
				<i>For Class 55 Rating, Add</i>	4,993.60	
				<i>For Class 56 Rating, Add</i>	6,617.40	
40 05 19 00-3044	EA			36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,961.74	1,790.76
				<i>For Class 52 Rating, Deduct</i>	-2,557.33	
				<i>For Class 54 Rating, Add</i>	3,519.83	
				<i>For Class 55 Rating, Add</i>	5,249.53	
				<i>For Class 56 Rating, Add</i>	6,955.97	
40 05 19 00-3045	EA			36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,113.93	1,794.13
				<i>For Class 52 Rating, Deduct</i>	-2,683.51	
				<i>For Class 54 Rating, Add</i>	3,691.95	
				<i>For Class 55 Rating, Add</i>	5,505.45	
				<i>For Class 56 Rating, Add</i>	7,294.55	
40 05 19 00-3046	EA			36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,266.13	1,797.49
				<i>For Class 52 Rating, Deduct</i>	-2,809.69	
				<i>For Class 54 Rating, Add</i>	3,864.08	
				<i>For Class 55 Rating, Add</i>	5,761.38	
				<i>For Class 56 Rating, Add</i>	7,633.13	
40 05 19 00-3047	EA			36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,418.32	1,800.85
				<i>For Class 52 Rating, Deduct</i>	-2,935.87	
				<i>For Class 54 Rating, Add</i>	4,036.21	
				<i>For Class 55 Rating, Add</i>	6,017.30	
				<i>For Class 56 Rating, Add</i>	7,971.71	
40 05 19 00-3048	EA			36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,570.50	1,804.21
				<i>For Class 52 Rating, Deduct</i>	-3,062.05	
				<i>For Class 54 Rating, Add</i>	4,208.33	
				<i>For Class 55 Rating, Add</i>	6,273.23	
				<i>For Class 56 Rating, Add</i>	8,310.28	
40 05 19 00-3049	EA			36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,722.69	1,807.56
				<i>For Class 52 Rating, Deduct</i>	-3,188.24	
				<i>For Class 54 Rating, Add</i>	4,380.46	
				<i>For Class 55 Rating, Add</i>	6,529.15	
				<i>For Class 56 Rating, Add</i>	8,648.86	
40 05 19 00-3050	EA			36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,874.89	1,810.92
				<i>For Class 52 Rating, Deduct</i>	-3,314.42	
				<i>For Class 54 Rating, Add</i>	4,552.58	
				<i>For Class 55 Rating, Add</i>	6,785.08	
				<i>For Class 56 Rating, Add</i>	8,987.44	
40 05 19 00-3051	EA			36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,027.08	1,814.28
				<i>For Class 52 Rating, Deduct</i>	-3,440.60	
				<i>For Class 54 Rating, Add</i>	4,724.71	
				<i>For Class 55 Rating, Add</i>	7,041.00	
				<i>For Class 56 Rating, Add</i>	9,326.02	
40 05 19 00-3052	EA			36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,179.26	1,817.65
				<i>For Class 52 Rating, Deduct</i>	-3,566.78	
				<i>For Class 54 Rating, Add</i>	4,896.84	
				<i>For Class 55 Rating, Add</i>	7,296.93	
				<i>For Class 56 Rating, Add</i>	9,664.60	
40 05 19 00-3053	EA			36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,331.46	1,821.01
				<i>For Class 52 Rating, Deduct</i>	-3,692.96	
				<i>For Class 54 Rating, Add</i>	5,068.96	
				<i>For Class 55 Rating, Add</i>	7,552.85	
				<i>For Class 56 Rating, Add</i>	10,003.17	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3054	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,483.65	1,824.37
			<i>For Class 52 Rating, Deduct</i>	-3,819.14	
			<i>For Class 54 Rating, Add</i>	5,241.09	
			<i>For Class 55 Rating, Add</i>	7,808.78	
			<i>For Class 56 Rating, Add</i>	10,341.75	
40 05 19 00-3055	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,635.84	1,827.72
			<i>For Class 52 Rating, Deduct</i>	-3,945.32	
			<i>For Class 54 Rating, Add</i>	5,413.22	
			<i>For Class 55 Rating, Add</i>	8,064.71	
			<i>For Class 56 Rating, Add</i>	10,680.33	
40 05 19 00-3056	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,788.03	1,831.08
			<i>For Class 52 Rating, Deduct</i>	-4,071.50	
			<i>For Class 54 Rating, Add</i>	5,585.34	
			<i>For Class 55 Rating, Add</i>	8,320.63	
			<i>For Class 56 Rating, Add</i>	11,018.91	
40 05 19 00-3057	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,940.22	1,834.44
			<i>For Class 52 Rating, Deduct</i>	-4,197.68	
			<i>For Class 54 Rating, Add</i>	5,757.47	
			<i>For Class 55 Rating, Add</i>	8,576.56	
			<i>For Class 56 Rating, Add</i>	11,357.48	
40 05 19 00-3058	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	42,092.41	1,837.80
			<i>For Class 52 Rating, Deduct</i>	-4,323.86	
			<i>For Class 54 Rating, Add</i>	5,929.59	
			<i>For Class 55 Rating, Add</i>	8,832.48	
			<i>For Class 56 Rating, Add</i>	11,696.06	
40 05 19 00-3059	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,244.60	1,841.17
			<i>For Class 52 Rating, Deduct</i>	-4,450.05	
			<i>For Class 54 Rating, Add</i>	6,101.72	
			<i>For Class 55 Rating, Add</i>	9,088.41	
			<i>For Class 56 Rating, Add</i>	12,034.64	
40 05 19 00-3060	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,396.79	1,844.53
			<i>For Class 52 Rating, Deduct</i>	-4,576.23	
			<i>For Class 54 Rating, Add</i>	6,273.85	
			<i>For Class 55 Rating, Add</i>	9,344.33	
			<i>For Class 56 Rating, Add</i>	12,373.22	
40 05 19 00-3061	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,548.98	1,847.88
			<i>For Class 52 Rating, Deduct</i>	-4,702.41	
			<i>For Class 54 Rating, Add</i>	6,445.97	
			<i>For Class 55 Rating, Add</i>	9,600.26	
			<i>For Class 56 Rating, Add</i>	12,711.80	
40 05 19 00-3062	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,701.17	1,851.24
			<i>For Class 52 Rating, Deduct</i>	-4,828.59	
			<i>For Class 54 Rating, Add</i>	6,618.10	
			<i>For Class 55 Rating, Add</i>	9,856.18	
			<i>For Class 56 Rating, Add</i>	13,050.37	
40 05 19 00-3063	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	47,853.36	1,854.60
			<i>For Class 52 Rating, Deduct</i>	-4,954.77	
			<i>For Class 54 Rating, Add</i>	6,790.22	
			<i>For Class 55 Rating, Add</i>	10,112.11	
			<i>For Class 56 Rating, Add</i>	13,388.95	
40 05 19 00-3064	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	49,005.56	1,857.96
			<i>For Class 52 Rating, Deduct</i>	-5,080.95	
			<i>For Class 54 Rating, Add</i>	6,962.35	
			<i>For Class 55 Rating, Add</i>	10,368.03	
			<i>For Class 56 Rating, Add</i>	13,727.53	
40 05 19 00-3065	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	50,157.75	1,861.32
			<i>For Class 52 Rating, Deduct</i>	-5,207.13	
			<i>For Class 54 Rating, Add</i>	7,134.48	
			<i>For Class 55 Rating, Add</i>	10,623.96	
			<i>For Class 56 Rating, Add</i>	14,066.11	
40 05 19 00-3066	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	51,309.93	1,864.69
			<i>For Class 52 Rating, Deduct</i>	-5,333.31	
			<i>For Class 54 Rating, Add</i>	7,306.60	
			<i>For Class 55 Rating, Add</i>	10,879.89	
			<i>For Class 56 Rating, Add</i>	14,404.68	
40 05 19 00-3067	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	52,462.12	1,868.04
			<i>For Class 52 Rating, Deduct</i>	-5,459.49	
			<i>For Class 54 Rating, Add</i>	7,478.73	
			<i>For Class 55 Rating, Add</i>	11,135.81	
			<i>For Class 56 Rating, Add</i>	14,743.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3068 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-3069 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3070 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	724.10	164.32
<i>For Class 52 Rating, Deduct</i>	-52.27	
<i>For Class 54 Rating, Add</i>	74.26	
<i>For Class 55 Rating, Add</i>	111.93	
<i>For Class 56 Rating, Add</i>	149.13	
40 05 19 00-3071 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	835.28	167.18
<i>For Class 52 Rating, Deduct</i>	-64.02	
<i>For Class 54 Rating, Add</i>	90.34	
<i>For Class 55 Rating, Add</i>	135.86	
<i>For Class 56 Rating, Add</i>	180.80	
40 05 19 00-3072 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	946.48	170.06
<i>For Class 52 Rating, Deduct</i>	-75.77	
<i>For Class 54 Rating, Add</i>	106.41	
<i>For Class 55 Rating, Add</i>	159.79	
<i>For Class 56 Rating, Add</i>	212.48	
40 05 19 00-3073 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,057.68	172.93
<i>For Class 52 Rating, Deduct</i>	-87.52	
<i>For Class 54 Rating, Add</i>	122.49	
<i>For Class 55 Rating, Add</i>	183.72	
<i>For Class 56 Rating, Add</i>	244.15	
40 05 19 00-3074 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,168.87	175.81
<i>For Class 52 Rating, Deduct</i>	-99.28	
<i>For Class 54 Rating, Add</i>	138.57	
<i>For Class 55 Rating, Add</i>	207.65	
<i>For Class 56 Rating, Add</i>	275.83	
40 05 19 00-3075 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,280.06	178.68
<i>For Class 52 Rating, Deduct</i>	-111.03	
<i>For Class 54 Rating, Add</i>	154.65	
<i>For Class 55 Rating, Add</i>	231.58	
<i>For Class 56 Rating, Add</i>	307.50	
40 05 19 00-3076 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,391.24	181.55
<i>For Class 52 Rating, Deduct</i>	-122.78	
<i>For Class 54 Rating, Add</i>	170.73	
<i>For Class 55 Rating, Add</i>	255.51	
<i>For Class 56 Rating, Add</i>	339.17	
40 05 19 00-3077 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,502.43	184.42
<i>For Class 52 Rating, Deduct</i>	-134.53	
<i>For Class 54 Rating, Add</i>	186.80	
<i>For Class 55 Rating, Add</i>	279.44	
<i>For Class 56 Rating, Add</i>	370.85	
40 05 19 00-3078 EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,613.62	187.30
<i>For Class 52 Rating, Deduct</i>	-146.28	
<i>For Class 54 Rating, Add</i>	202.88	
<i>For Class 55 Rating, Add</i>	303.37	
<i>For Class 56 Rating, Add</i>	402.52	
40 05 19 00-3079 EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,724.81	190.17
<i>For Class 52 Rating, Deduct</i>	-158.04	
<i>For Class 54 Rating, Add</i>	218.96	
<i>For Class 55 Rating, Add</i>	327.30	
<i>For Class 56 Rating, Add</i>	434.20	
40 05 19 00-3080 EA 4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,836.00	193.03
<i>For Class 52 Rating, Deduct</i>	-169.79	
<i>For Class 54 Rating, Add</i>	235.04	
<i>For Class 55 Rating, Add</i>	351.22	
<i>For Class 56 Rating, Add</i>	465.87	
40 05 19 00-3081 EA 4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,947.20	195.91
<i>For Class 52 Rating, Deduct</i>	-181.54	
<i>For Class 54 Rating, Add</i>	251.12	
<i>For Class 55 Rating, Add</i>	375.15	
<i>For Class 56 Rating, Add</i>	497.54	
40 05 19 00-3082 EA 4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,058.39	198.79
<i>For Class 52 Rating, Deduct</i>	-193.29	
<i>For Class 54 Rating, Add</i>	267.19	
<i>For Class 55 Rating, Add</i>	399.08	
<i>For Class 56 Rating, Add</i>	529.22	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3083	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,169.58	201.66
			<i>For Class 52 Rating, Deduct</i>	-205.04	
			<i>For Class 54 Rating, Add</i>	283.27	
			<i>For Class 55 Rating, Add</i>	423.01	
			<i>For Class 56 Rating, Add</i>	560.89	
40 05 19 00-3084	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,280.77	204.53
			<i>For Class 52 Rating, Deduct</i>	-216.80	
			<i>For Class 54 Rating, Add</i>	299.35	
			<i>For Class 55 Rating, Add</i>	446.94	
			<i>For Class 56 Rating, Add</i>	592.57	
40 05 19 00-3085	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,391.95	207.40
			<i>For Class 52 Rating, Deduct</i>	-228.55	
			<i>For Class 54 Rating, Add</i>	315.43	
			<i>For Class 55 Rating, Add</i>	470.87	
			<i>For Class 56 Rating, Add</i>	624.24	
40 05 19 00-3086	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,503.14	210.28
			<i>For Class 52 Rating, Deduct</i>	-240.30	
			<i>For Class 54 Rating, Add</i>	331.51	
			<i>For Class 55 Rating, Add</i>	494.80	
			<i>For Class 56 Rating, Add</i>	655.91	
40 05 19 00-3087	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,614.33	213.14
			<i>For Class 52 Rating, Deduct</i>	-252.05	
			<i>For Class 54 Rating, Add</i>	347.58	
			<i>For Class 55 Rating, Add</i>	518.73	
			<i>For Class 56 Rating, Add</i>	687.59	
40 05 19 00-3088	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,725.53	216.02
			<i>For Class 52 Rating, Deduct</i>	-263.81	
			<i>For Class 54 Rating, Add</i>	363.66	
			<i>For Class 55 Rating, Add</i>	542.66	
			<i>For Class 56 Rating, Add</i>	719.26	
40 05 19 00-3089	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,836.71	218.90
			<i>For Class 52 Rating, Deduct</i>	-275.56	
			<i>For Class 54 Rating, Add</i>	379.74	
			<i>For Class 55 Rating, Add</i>	566.59	
			<i>For Class 56 Rating, Add</i>	750.93	
40 05 19 00-3090	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,947.91	221.77
			<i>For Class 52 Rating, Deduct</i>	-287.31	
			<i>For Class 54 Rating, Add</i>	395.82	
			<i>For Class 55 Rating, Add</i>	590.52	
			<i>For Class 56 Rating, Add</i>	782.61	
40 05 19 00-3091	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,059.10	224.63
			<i>For Class 52 Rating, Deduct</i>	-299.06	
			<i>For Class 54 Rating, Add</i>	411.90	
			<i>For Class 55 Rating, Add</i>	614.45	
			<i>For Class 56 Rating, Add</i>	814.28	
40 05 19 00-3092	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,170.29	227.51
			<i>For Class 52 Rating, Deduct</i>	-310.81	
			<i>For Class 54 Rating, Add</i>	427.97	
			<i>For Class 55 Rating, Add</i>	638.38	
			<i>For Class 56 Rating, Add</i>	845.96	
40 05 19 00-3093	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,281.48	230.39
			<i>For Class 52 Rating, Deduct</i>	-322.57	
			<i>For Class 54 Rating, Add</i>	444.05	
			<i>For Class 55 Rating, Add</i>	662.31	
			<i>For Class 56 Rating, Add</i>	877.63	
40 05 19 00-3094	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,668.19	233.25
			<i>For Class 52 Rating, Deduct</i>	-364.63	
			<i>For Class 54 Rating, Add</i>	501.46	
			<i>For Class 55 Rating, Add</i>	747.68	
			<i>For Class 56 Rating, Add</i>	990.58	
40 05 19 00-3095	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,779.38	236.12
			<i>For Class 52 Rating, Deduct</i>	-376.38	
			<i>For Class 54 Rating, Add</i>	517.54	
			<i>For Class 55 Rating, Add</i>	771.61	
			<i>For Class 56 Rating, Add</i>	1,022.26	
40 05 19 00-3096	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,890.58	239.00
			<i>For Class 52 Rating, Deduct</i>	-388.13	
			<i>For Class 54 Rating, Add</i>	533.61	
			<i>For Class 55 Rating, Add</i>	795.54	
			<i>For Class 56 Rating, Add</i>	1,053.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3097 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,001.77	241.88
<i>For Class 52 Rating, Deduct</i>	-399.88	
<i>For Class 54 Rating, Add</i>	549.69	
<i>For Class 55 Rating, Add</i>	819.47	
<i>For Class 56 Rating, Add</i>	1,085.61	
40 05 19 00-3098 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,112.96	244.75
<i>For Class 52 Rating, Deduct</i>	-411.63	
<i>For Class 54 Rating, Add</i>	565.77	
<i>For Class 55 Rating, Add</i>	843.39	
<i>For Class 56 Rating, Add</i>	1,117.28	
40 05 19 00-3099 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,224.15	247.61
<i>For Class 52 Rating, Deduct</i>	-423.39	
<i>For Class 54 Rating, Add</i>	581.85	
<i>For Class 55 Rating, Add</i>	867.32	
<i>For Class 56 Rating, Add</i>	1,148.95	
40 05 19 00-3100 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,335.34	250.49
<i>For Class 52 Rating, Deduct</i>	-435.14	
<i>For Class 54 Rating, Add</i>	597.93	
<i>For Class 55 Rating, Add</i>	891.25	
<i>For Class 56 Rating, Add</i>	1,180.63	
40 05 19 00-3101 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,446.53	253.37
<i>For Class 52 Rating, Deduct</i>	-446.89	
<i>For Class 54 Rating, Add</i>	614.00	
<i>For Class 55 Rating, Add</i>	915.18	
<i>For Class 56 Rating, Add</i>	1,212.30	
40 05 19 00-3102 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,557.71	256.24
<i>For Class 52 Rating, Deduct</i>	-458.64	
<i>For Class 54 Rating, Add</i>	630.08	
<i>For Class 55 Rating, Add</i>	939.11	
<i>For Class 56 Rating, Add</i>	1,243.97	
40 05 19 00-3103 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,668.90	259.12
<i>For Class 52 Rating, Deduct</i>	-470.40	
<i>For Class 54 Rating, Add</i>	646.16	
<i>For Class 55 Rating, Add</i>	963.04	
<i>For Class 56 Rating, Add</i>	1,275.65	
40 05 19 00-3104 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,780.10	261.98
<i>For Class 52 Rating, Deduct</i>	-482.15	
<i>For Class 54 Rating, Add</i>	662.24	
<i>For Class 55 Rating, Add</i>	986.97	
<i>For Class 56 Rating, Add</i>	1,307.32	
40 05 19 00-3105 EA 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,891.29	264.85
<i>For Class 52 Rating, Deduct</i>	-493.90	
<i>For Class 54 Rating, Add</i>	678.32	
<i>For Class 55 Rating, Add</i>	1,010.90	
<i>For Class 56 Rating, Add</i>	1,339.00	
40 05 19 00-3106 EA 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,002.48	267.73
<i>For Class 52 Rating, Deduct</i>	-505.65	
<i>For Class 54 Rating, Add</i>	694.39	
<i>For Class 55 Rating, Add</i>	1,034.83	
<i>For Class 56 Rating, Add</i>	1,370.67	
40 05 19 00-3107 EA 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,113.67	270.61
<i>For Class 52 Rating, Deduct</i>	-517.40	
<i>For Class 54 Rating, Add</i>	710.47	
<i>For Class 55 Rating, Add</i>	1,058.76	
<i>For Class 56 Rating, Add</i>	1,402.34	
40 05 19 00-3108 EA 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,224.86	273.48
<i>For Class 52 Rating, Deduct</i>	-529.16	
<i>For Class 54 Rating, Add</i>	726.55	
<i>For Class 55 Rating, Add</i>	1,082.69	
<i>For Class 56 Rating, Add</i>	1,434.02	
40 05 19 00-3109 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3110 EA 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	889.73	206.83
<i>For Class 52 Rating, Deduct</i>	-63.40	
<i>For Class 54 Rating, Add</i>	90.21	
<i>For Class 55 Rating, Add</i>	136.05	
<i>For Class 56 Rating, Add</i>	181.31	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3111	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,017.80	209.70
		<i>For Class 52 Rating, Deduct</i>		-77.01	
		<i>For Class 54 Rating, Add</i>		108.82	
		<i>For Class 55 Rating, Add</i>		163.74	
		<i>For Class 56 Rating, Add</i>		217.96	
40 05 19 00-3112	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,145.86	212.57
		<i>For Class 52 Rating, Deduct</i>		-90.62	
		<i>For Class 54 Rating, Add</i>		127.43	
		<i>For Class 55 Rating, Add</i>		191.43	
		<i>For Class 56 Rating, Add</i>		254.61	
40 05 19 00-3113	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,273.92	215.45
		<i>For Class 52 Rating, Deduct</i>		-104.22	
		<i>For Class 54 Rating, Add</i>		146.04	
		<i>For Class 55 Rating, Add</i>		219.12	
		<i>For Class 56 Rating, Add</i>		291.26	
40 05 19 00-3114	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,401.98	218.33
		<i>For Class 52 Rating, Deduct</i>		-117.83	
		<i>For Class 54 Rating, Add</i>		164.65	
		<i>For Class 55 Rating, Add</i>		246.81	
		<i>For Class 56 Rating, Add</i>		327.91	
40 05 19 00-3115	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,530.04	221.18
		<i>For Class 52 Rating, Deduct</i>		-131.44	
		<i>For Class 54 Rating, Add</i>		183.26	
		<i>For Class 55 Rating, Add</i>		274.51	
		<i>For Class 56 Rating, Add</i>		364.56	
40 05 19 00-3116	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,658.09	224.06
		<i>For Class 52 Rating, Deduct</i>		-145.05	
		<i>For Class 54 Rating, Add</i>		201.86	
		<i>For Class 55 Rating, Add</i>		302.20	
		<i>For Class 56 Rating, Add</i>		401.21	
40 05 19 00-3117	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,786.15	226.94
		<i>For Class 52 Rating, Deduct</i>		-158.65	
		<i>For Class 54 Rating, Add</i>		220.47	
		<i>For Class 55 Rating, Add</i>		329.89	
		<i>For Class 56 Rating, Add</i>		437.86	
40 05 19 00-3118	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		1,914.21	229.82
		<i>For Class 52 Rating, Deduct</i>		-172.26	
		<i>For Class 54 Rating, Add</i>		239.08	
		<i>For Class 55 Rating, Add</i>		357.58	
		<i>For Class 56 Rating, Add</i>		474.51	
40 05 19 00-3119	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		2,042.27	232.67
		<i>For Class 52 Rating, Deduct</i>		-185.87	
		<i>For Class 54 Rating, Add</i>		257.69	
		<i>For Class 55 Rating, Add</i>		385.27	
		<i>For Class 56 Rating, Add</i>		511.16	
40 05 19 00-3120	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		2,170.33	235.55
		<i>For Class 52 Rating, Deduct</i>		-199.48	
		<i>For Class 54 Rating, Add</i>		276.30	
		<i>For Class 55 Rating, Add</i>		412.96	
		<i>For Class 56 Rating, Add</i>		547.81	
40 05 19 00-3121	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		2,298.40	238.43
		<i>For Class 52 Rating, Deduct</i>		-213.09	
		<i>For Class 54 Rating, Add</i>		294.91	
		<i>For Class 55 Rating, Add</i>		440.65	
		<i>For Class 56 Rating, Add</i>		584.46	
40 05 19 00-3122	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		2,426.45	241.30
		<i>For Class 52 Rating, Deduct</i>		-226.69	
		<i>For Class 54 Rating, Add</i>		313.51	
		<i>For Class 55 Rating, Add</i>		468.34	
		<i>For Class 56 Rating, Add</i>		621.11	
40 05 19 00-3123	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		2,554.51	244.17
		<i>For Class 52 Rating, Deduct</i>		-240.30	
		<i>For Class 54 Rating, Add</i>		332.12	
		<i>For Class 55 Rating, Add</i>		496.03	
		<i>For Class 56 Rating, Add</i>		657.76	
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....		2,682.57	247.04
		<i>For Class 52 Rating, Deduct</i>		-253.91	
		<i>For Class 54 Rating, Add</i>		350.73	
		<i>For Class 55 Rating, Add</i>		523.73	
		<i>For Class 56 Rating, Add</i>		694.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3125 EA 6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	2,810.62	249.92
<i>For Class 52 Rating, Deduct</i>	-267.52	
<i>For Class 54 Rating, Add</i>	369.34	
<i>For Class 55 Rating, Add</i>	551.41	
<i>For Class 56 Rating, Add</i>	731.06	
40 05 19 00-3126 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	2,938.68	252.79
<i>For Class 52 Rating, Deduct</i>	-281.12	
<i>For Class 54 Rating, Add</i>	387.95	
<i>For Class 55 Rating, Add</i>	579.11	
<i>For Class 56 Rating, Add</i>	767.71	
40 05 19 00-3127 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,066.74	255.66
<i>For Class 52 Rating, Deduct</i>	-294.73	
<i>For Class 54 Rating, Add</i>	406.56	
<i>For Class 55 Rating, Add</i>	606.80	
<i>For Class 56 Rating, Add</i>	804.36	
40 05 19 00-3128 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,194.81	258.54
<i>For Class 52 Rating, Deduct</i>	-308.34	
<i>For Class 54 Rating, Add</i>	425.16	
<i>For Class 55 Rating, Add</i>	634.49	
<i>For Class 56 Rating, Add</i>	841.01	
40 05 19 00-3129 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,322.87	261.41
<i>For Class 52 Rating, Deduct</i>	-321.95	
<i>For Class 54 Rating, Add</i>	443.77	
<i>For Class 55 Rating, Add</i>	662.18	
<i>For Class 56 Rating, Add</i>	877.66	
40 05 19 00-3130 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,450.93	264.28
<i>For Class 52 Rating, Deduct</i>	-335.56	
<i>For Class 54 Rating, Add</i>	462.38	
<i>For Class 55 Rating, Add</i>	689.87	
<i>For Class 56 Rating, Add</i>	914.31	
40 05 19 00-3131 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,578.99	267.15
<i>For Class 52 Rating, Deduct</i>	-349.16	
<i>For Class 54 Rating, Add</i>	480.99	
<i>For Class 55 Rating, Add</i>	717.56	
<i>For Class 56 Rating, Add</i>	950.96	
40 05 19 00-3132 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,707.04	270.03
<i>For Class 52 Rating, Deduct</i>	-362.77	
<i>For Class 54 Rating, Add</i>	499.60	
<i>For Class 55 Rating, Add</i>	745.25	
<i>For Class 56 Rating, Add</i>	987.61	
40 05 19 00-3133 EA 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,835.10	272.89
<i>For Class 52 Rating, Deduct</i>	-376.38	
<i>For Class 54 Rating, Add</i>	518.20	
<i>For Class 55 Rating, Add</i>	772.94	
<i>For Class 56 Rating, Add</i>	1,024.26	
40 05 19 00-3134 EA 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	3,963.16	275.77
<i>For Class 52 Rating, Deduct</i>	-389.99	
<i>For Class 54 Rating, Add</i>	536.81	
<i>For Class 55 Rating, Add</i>	800.64	
<i>For Class 56 Rating, Add</i>	1,060.91	
40 05 19 00-3135 EA 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	4,091.21	278.65
<i>For Class 52 Rating, Deduct</i>	-403.59	
<i>For Class 54 Rating, Add</i>	555.42	
<i>For Class 55 Rating, Add</i>	828.33	
<i>For Class 56 Rating, Add</i>	1,097.56	
40 05 19 00-3136 EA 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	4,219.29	281.52
<i>For Class 52 Rating, Deduct</i>	-417.20	
<i>For Class 54 Rating, Add</i>	574.03	
<i>For Class 55 Rating, Add</i>	856.02	
<i>For Class 56 Rating, Add</i>	1,134.21	
40 05 19 00-3137 EA 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	4,347.35	284.39
<i>For Class 52 Rating, Deduct</i>	-430.81	
<i>For Class 54 Rating, Add</i>	592.64	
<i>For Class 55 Rating, Add</i>	883.71	
<i>For Class 56 Rating, Add</i>	1,170.87	
40 05 19 00-3138 EA 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe	4,475.40	287.26
<i>For Class 52 Rating, Deduct</i>	-444.42	
<i>For Class 54 Rating, Add</i>	611.25	
<i>For Class 55 Rating, Add</i>	911.40	
<i>For Class 56 Rating, Add</i>	1,207.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3139	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,603.46	290.14
			<i>For Class 52 Rating, Deduct</i>	-458.02	
			<i>For Class 54 Rating, Add</i>	629.85	
			<i>For Class 55 Rating, Add</i>	939.09	
			<i>For Class 56 Rating, Add</i>	1,244.16	
40 05 19 00-3140	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,731.52	293.00
			<i>For Class 52 Rating, Deduct</i>	-471.63	
			<i>For Class 54 Rating, Add</i>	648.46	
			<i>For Class 55 Rating, Add</i>	966.78	
			<i>For Class 56 Rating, Add</i>	1,280.82	
40 05 19 00-3141	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,859.57	295.88
			<i>For Class 52 Rating, Deduct</i>	-485.24	
			<i>For Class 54 Rating, Add</i>	667.07	
			<i>For Class 55 Rating, Add</i>	994.47	
			<i>For Class 56 Rating, Add</i>	1,317.46	
40 05 19 00-3142	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,987.63	298.76
			<i>For Class 52 Rating, Deduct</i>	-498.85	
			<i>For Class 54 Rating, Add</i>	685.68	
			<i>For Class 55 Rating, Add</i>	1,022.16	
			<i>For Class 56 Rating, Add</i>	1,354.11	
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,115.69	301.63
			<i>For Class 52 Rating, Deduct</i>	-512.46	
			<i>For Class 54 Rating, Add</i>	704.29	
			<i>For Class 55 Rating, Add</i>	1,049.86	
			<i>For Class 56 Rating, Add</i>	1,390.77	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,243.76	304.49
			<i>For Class 52 Rating, Deduct</i>	-526.06	
			<i>For Class 54 Rating, Add</i>	722.90	
			<i>For Class 55 Rating, Add</i>	1,077.55	
			<i>For Class 56 Rating, Add</i>	1,427.42	
40 05 19 00-3145	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,371.82	307.37
			<i>For Class 52 Rating, Deduct</i>	-539.67	
			<i>For Class 54 Rating, Add</i>	741.50	
			<i>For Class 55 Rating, Add</i>	1,105.24	
			<i>For Class 56 Rating, Add</i>	1,464.07	
40 05 19 00-3146	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,499.88	310.25
			<i>For Class 52 Rating, Deduct</i>	-553.28	
			<i>For Class 54 Rating, Add</i>	760.11	
			<i>For Class 55 Rating, Add</i>	1,132.93	
			<i>For Class 56 Rating, Add</i>	1,500.72	
40 05 19 00-3147	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,627.94	313.10
			<i>For Class 52 Rating, Deduct</i>	-566.89	
			<i>For Class 54 Rating, Add</i>	778.72	
			<i>For Class 55 Rating, Add</i>	1,160.62	
			<i>For Class 56 Rating, Add</i>	1,537.37	
40 05 19 00-3148	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,755.99	315.98
			<i>For Class 52 Rating, Deduct</i>	-580.49	
			<i>For Class 54 Rating, Add</i>	797.33	
			<i>For Class 55 Rating, Add</i>	1,188.31	
			<i>For Class 56 Rating, Add</i>	1,574.02	
40 05 19 00-3149			8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3150	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,212.96	264.28
			<i>For Class 52 Rating, Deduct</i>	-89.38	
			<i>For Class 54 Rating, Add</i>	126.68	
			<i>For Class 55 Rating, Add</i>	190.80	
			<i>For Class 56 Rating, Add</i>	254.11	
40 05 19 00-3151	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,377.57	267.15
			<i>For Class 52 Rating, Deduct</i>	-107.01	
			<i>For Class 54 Rating, Add</i>	150.78	
			<i>For Class 55 Rating, Add</i>	226.65	
			<i>For Class 56 Rating, Add</i>	301.55	
40 05 19 00-3152	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,542.17	270.03
			<i>For Class 52 Rating, Deduct</i>	-124.63	
			<i>For Class 54 Rating, Add</i>	174.87	
			<i>For Class 55 Rating, Add</i>	262.49	
			<i>For Class 56 Rating, Add</i>	348.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3153 EA 8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,706.78	272.89
<i>For Class 52 Rating, Deduct</i>	-142.26	
<i>For Class 54 Rating, Add</i>	198.96	
<i>For Class 55 Rating, Add</i>	298.33	
<i>For Class 56 Rating, Add</i>	396.41	
40 05 19 00-3154 EA 8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,871.39	275.77
<i>For Class 52 Rating, Deduct</i>	-159.89	
<i>For Class 54 Rating, Add</i>	223.05	
<i>For Class 55 Rating, Add</i>	334.17	
<i>For Class 56 Rating, Add</i>	443.84	
40 05 19 00-3155 EA 8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,035.99	278.65
<i>For Class 52 Rating, Deduct</i>	-177.52	
<i>For Class 54 Rating, Add</i>	247.14	
<i>For Class 55 Rating, Add</i>	370.01	
<i>For Class 56 Rating, Add</i>	491.27	
40 05 19 00-3156 EA 8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,200.62	281.52
<i>For Class 52 Rating, Deduct</i>	-195.15	
<i>For Class 54 Rating, Add</i>	271.23	
<i>For Class 55 Rating, Add</i>	405.85	
<i>For Class 56 Rating, Add</i>	538.71	
40 05 19 00-3157 EA 8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,365.23	284.39
<i>For Class 52 Rating, Deduct</i>	-212.78	
<i>For Class 54 Rating, Add</i>	295.32	
<i>For Class 55 Rating, Add</i>	441.70	
<i>For Class 56 Rating, Add</i>	586.14	
40 05 19 00-3158 EA 8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,529.83	287.26
<i>For Class 52 Rating, Deduct</i>	-230.40	
<i>For Class 54 Rating, Add</i>	319.41	
<i>For Class 55 Rating, Add</i>	477.54	
<i>For Class 56 Rating, Add</i>	633.57	
40 05 19 00-3159 EA 8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,694.44	290.14
<i>For Class 52 Rating, Deduct</i>	-248.03	
<i>For Class 54 Rating, Add</i>	343.50	
<i>For Class 55 Rating, Add</i>	513.38	
<i>For Class 56 Rating, Add</i>	681.00	
40 05 19 00-3160 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,859.05	293.00
<i>For Class 52 Rating, Deduct</i>	-265.66	
<i>For Class 54 Rating, Add</i>	367.59	
<i>For Class 55 Rating, Add</i>	549.22	
<i>For Class 56 Rating, Add</i>	728.44	
40 05 19 00-3161 EA 8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,023.65	295.88
<i>For Class 52 Rating, Deduct</i>	-283.29	
<i>For Class 54 Rating, Add</i>	391.68	
<i>For Class 55 Rating, Add</i>	585.06	
<i>For Class 56 Rating, Add</i>	775.87	
40 05 19 00-3162 EA 8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,188.26	298.76
<i>For Class 52 Rating, Deduct</i>	-300.92	
<i>For Class 54 Rating, Add</i>	415.77	
<i>For Class 55 Rating, Add</i>	620.90	
<i>For Class 56 Rating, Add</i>	823.30	
40 05 19 00-3163 EA 8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,352.87	301.63
<i>For Class 52 Rating, Deduct</i>	-318.55	
<i>For Class 54 Rating, Add</i>	439.86	
<i>For Class 55 Rating, Add</i>	656.75	
<i>For Class 56 Rating, Add</i>	870.73	
40 05 19 00-3164 EA 8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,517.48	304.49
<i>For Class 52 Rating, Deduct</i>	-336.17	
<i>For Class 54 Rating, Add</i>	463.95	
<i>For Class 55 Rating, Add</i>	692.59	
<i>For Class 56 Rating, Add</i>	918.16	
40 05 19 00-3165 EA 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,682.10	307.37
<i>For Class 52 Rating, Deduct</i>	-353.80	
<i>For Class 54 Rating, Add</i>	488.05	
<i>For Class 55 Rating, Add</i>	728.43	
<i>For Class 56 Rating, Add</i>	965.60	
40 05 19 00-3166 EA 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,846.71	310.25
<i>For Class 52 Rating, Deduct</i>	-371.43	
<i>For Class 54 Rating, Add</i>	512.14	
<i>For Class 55 Rating, Add</i>	764.27	
<i>For Class 56 Rating, Add</i>	1,013.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	4,011.31		313.10
		For Class 52 Rating, Deduct	-389.06		
		For Class 54 Rating, Add	536.23		
		For Class 55 Rating, Add	800.11		
		For Class 56 Rating, Add	1,060.46		
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	4,175.92		315.98
		For Class 52 Rating, Deduct	-406.69		
		For Class 54 Rating, Add	560.32		
		For Class 55 Rating, Add	835.95		
		For Class 56 Rating, Add	1,107.89		
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	4,340.53		318.86
		For Class 52 Rating, Deduct	-424.32		
		For Class 54 Rating, Add	584.41		
		For Class 55 Rating, Add	871.80		
		For Class 56 Rating, Add	1,155.33		
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	4,505.13		321.74
		For Class 52 Rating, Deduct	-441.94		
		For Class 54 Rating, Add	608.50		
		For Class 55 Rating, Add	907.64		
		For Class 56 Rating, Add	1,202.76		
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	4,669.74		324.61
		For Class 52 Rating, Deduct	-459.57		
		For Class 54 Rating, Add	632.59		
		For Class 55 Rating, Add	943.48		
		For Class 56 Rating, Add	1,250.19		
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	4,834.36		327.47
		For Class 52 Rating, Deduct	-477.20		
		For Class 54 Rating, Add	656.68		
		For Class 55 Rating, Add	979.32		
		For Class 56 Rating, Add	1,297.63		
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	4,998.97		330.35
		For Class 52 Rating, Deduct	-494.83		
		For Class 54 Rating, Add	680.77		
		For Class 55 Rating, Add	1,015.16		
		For Class 56 Rating, Add	1,345.06		
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,163.58		333.23
		For Class 52 Rating, Deduct	-512.46		
		For Class 54 Rating, Add	704.86		
		For Class 55 Rating, Add	1,051.01		
		For Class 56 Rating, Add	1,392.49		
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,328.19		336.10
		For Class 52 Rating, Deduct	-530.08		
		For Class 54 Rating, Add	728.95		
		For Class 55 Rating, Add	1,086.85		
		For Class 56 Rating, Add	1,439.92		
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,492.79		338.97
		For Class 52 Rating, Deduct	-547.71		
		For Class 54 Rating, Add	753.04		
		For Class 55 Rating, Add	1,122.69		
		For Class 56 Rating, Add	1,487.35		
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,657.40		341.84
		For Class 52 Rating, Deduct	-565.34		
		For Class 54 Rating, Add	777.13		
		For Class 55 Rating, Add	1,158.53		
		For Class 56 Rating, Add	1,534.79		
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,822.01		344.71
		For Class 52 Rating, Deduct	-582.97		
		For Class 54 Rating, Add	801.23		
		For Class 55 Rating, Add	1,194.37		
		For Class 56 Rating, Add	1,582.22		
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,986.61		347.59
		For Class 52 Rating, Deduct	-600.60		
		For Class 54 Rating, Add	825.32		
		For Class 55 Rating, Add	1,230.21		
		For Class 56 Rating, Add	1,629.65		
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,151.23		350.46
		For Class 52 Rating, Deduct	-618.23		
		For Class 54 Rating, Add	849.41		
		For Class 55 Rating, Add	1,266.06		
		For Class 56 Rating, Add	1,677.08		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3181 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,315.84	353.34
<i>For Class 52 Rating, Deduct</i>	-635.85	
<i>For Class 54 Rating, Add</i>	873.50	
<i>For Class 55 Rating, Add</i>	1,301.90	
<i>For Class 56 Rating, Add</i>	1,724.52	
40 05 19 00-3182 EA 8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,480.45	356.20
<i>For Class 52 Rating, Deduct</i>	-653.48	
<i>For Class 54 Rating, Add</i>	897.59	
<i>For Class 55 Rating, Add</i>	1,337.74	
<i>For Class 56 Rating, Add</i>	1,771.95	
40 05 19 00-3183 EA 8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,645.06	359.08
<i>For Class 52 Rating, Deduct</i>	-671.11	
<i>For Class 54 Rating, Add</i>	921.68	
<i>For Class 55 Rating, Add</i>	1,373.58	
<i>For Class 56 Rating, Add</i>	1,819.38	
40 05 19 00-3184 EA 8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,809.67	361.95
<i>For Class 52 Rating, Deduct</i>	-688.74	
<i>For Class 54 Rating, Add</i>	945.77	
<i>For Class 55 Rating, Add</i>	1,409.42	
<i>For Class 56 Rating, Add</i>	1,866.81	
40 05 19 00-3185 EA 8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,974.27	364.82
<i>For Class 52 Rating, Deduct</i>	-706.37	
<i>For Class 54 Rating, Add</i>	969.86	
<i>For Class 55 Rating, Add</i>	1,445.26	
<i>For Class 56 Rating, Add</i>	1,914.24	
40 05 19 00-3186 EA 8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,138.88	367.69
<i>For Class 52 Rating, Deduct</i>	-723.99	
<i>For Class 54 Rating, Add</i>	993.95	
<i>For Class 55 Rating, Add</i>	1,481.11	
<i>For Class 56 Rating, Add</i>	1,961.68	
40 05 19 00-3187 EA 8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,303.48	370.57
<i>For Class 52 Rating, Deduct</i>	-741.62	
<i>For Class 54 Rating, Add</i>	1,018.04	
<i>For Class 55 Rating, Add</i>	1,516.95	
<i>For Class 56 Rating, Add</i>	2,009.11	
40 05 19 00-3188 EA 8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,468.10	373.45
<i>For Class 52 Rating, Deduct</i>	-759.25	
<i>For Class 54 Rating, Add</i>	1,042.13	
<i>For Class 55 Rating, Add</i>	1,552.79	
<i>For Class 56 Rating, Add</i>	2,056.54	
40 05 19 00-3189 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3190 EA 10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,530.54	321.74
<i>For Class 52 Rating, Deduct</i>	-114.74	
<i>For Class 54 Rating, Add</i>	162.31	
<i>For Class 55 Rating, Add</i>	244.30	
<i>For Class 56 Rating, Add</i>	325.25	
40 05 19 00-3191 EA 10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,742.95	324.61
<i>For Class 52 Rating, Deduct</i>	-137.62	
<i>For Class 54 Rating, Add</i>	193.57	
<i>For Class 55 Rating, Add</i>	290.81	
<i>For Class 56 Rating, Add</i>	386.79	
40 05 19 00-3192 EA 10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,955.36	327.47
<i>For Class 52 Rating, Deduct</i>	-160.51	
<i>For Class 54 Rating, Add</i>	224.83	
<i>For Class 55 Rating, Add</i>	337.31	
<i>For Class 56 Rating, Add</i>	448.32	
40 05 19 00-3193 EA 10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,167.77	330.35
<i>For Class 52 Rating, Deduct</i>	-183.40	
<i>For Class 54 Rating, Add</i>	256.09	
<i>For Class 55 Rating, Add</i>	383.81	
<i>For Class 56 Rating, Add</i>	509.85	
40 05 19 00-3194 EA 10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,380.17	333.23
<i>For Class 52 Rating, Deduct</i>	-206.28	
<i>For Class 54 Rating, Add</i>	287.35	
<i>For Class 55 Rating, Add</i>	430.30	
<i>For Class 56 Rating, Add</i>	571.38	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3195	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		2,592.58	336.10
		For Class 52 Rating, Deduct		-229.17	
		For Class 54 Rating, Add		318.61	
		For Class 55 Rating, Add		476.81	
		For Class 56 Rating, Add		632.92	
40 05 19 00-3196	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		2,804.98	338.97
		For Class 52 Rating, Deduct		-252.05	
		For Class 54 Rating, Add		349.87	
		For Class 55 Rating, Add		523.31	
		For Class 56 Rating, Add		694.45	
40 05 19 00-3197	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		3,017.38	341.84
		For Class 52 Rating, Deduct		-274.94	
		For Class 54 Rating, Add		381.13	
		For Class 55 Rating, Add		569.81	
		For Class 56 Rating, Add		755.98	
40 05 19 00-3198	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		3,229.78	344.71
		For Class 52 Rating, Deduct		-297.82	
		For Class 54 Rating, Add		412.39	
		For Class 55 Rating, Add		616.31	
		For Class 56 Rating, Add		817.51	
40 05 19 00-3199	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		3,442.19	347.59
		For Class 52 Rating, Deduct		-320.71	
		For Class 54 Rating, Add		443.65	
		For Class 55 Rating, Add		662.81	
		For Class 56 Rating, Add		879.05	
40 05 19 00-3200	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		3,654.60	350.46
		For Class 52 Rating, Deduct		-343.60	
		For Class 54 Rating, Add		474.91	
		For Class 55 Rating, Add		709.31	
		For Class 56 Rating, Add		940.58	
40 05 19 00-3201	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		3,867.00	353.34
		For Class 52 Rating, Deduct		-366.48	
		For Class 54 Rating, Add		506.17	
		For Class 55 Rating, Add		755.81	
		For Class 56 Rating, Add		1,002.11	
40 05 19 00-3202	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		4,079.41	356.20
		For Class 52 Rating, Deduct		-389.37	
		For Class 54 Rating, Add		537.43	
		For Class 55 Rating, Add		802.31	
		For Class 56 Rating, Add		1,063.64	
40 05 19 00-3203	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		4,291.82	359.08
		For Class 52 Rating, Deduct		-412.25	
		For Class 54 Rating, Add		568.69	
		For Class 55 Rating, Add		848.81	
		For Class 56 Rating, Add		1,125.18	
40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		4,504.22	361.95
		For Class 52 Rating, Deduct		-435.14	
		For Class 54 Rating, Add		599.95	
		For Class 55 Rating, Add		895.31	
		For Class 56 Rating, Add		1,186.71	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		4,716.62	364.82
		For Class 52 Rating, Deduct		-458.02	
		For Class 54 Rating, Add		631.21	
		For Class 55 Rating, Add		941.81	
		For Class 56 Rating, Add		1,248.24	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		4,929.02	367.69
		For Class 52 Rating, Deduct		-480.91	
		For Class 54 Rating, Add		662.47	
		For Class 55 Rating, Add		988.31	
		For Class 56 Rating, Add		1,309.77	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		5,141.43	370.57
		For Class 52 Rating, Deduct		-503.80	
		For Class 54 Rating, Add		693.73	
		For Class 55 Rating, Add		1,034.81	
		For Class 56 Rating, Add		1,371.30	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		5,353.84	373.45
		For Class 52 Rating, Deduct		-526.68	
		For Class 54 Rating, Add		724.99	
		For Class 55 Rating, Add		1,081.31	
		For Class 56 Rating, Add		1,432.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3209 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,566.24	376.31
<i>For Class 52 Rating, Deduct</i>	-549.57	
<i>For Class 54 Rating, Add</i>	756.25	
<i>For Class 55 Rating, Add</i>	1,127.81	
<i>For Class 56 Rating, Add</i>	1,494.37	
40 05 19 00-3210 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,778.65	379.19
<i>For Class 52 Rating, Deduct</i>	-572.45	
<i>For Class 54 Rating, Add</i>	787.51	
<i>For Class 55 Rating, Add</i>	1,174.31	
<i>For Class 56 Rating, Add</i>	1,555.90	
40 05 19 00-3211 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,991.06	382.06
<i>For Class 52 Rating, Deduct</i>	-595.34	
<i>For Class 54 Rating, Add</i>	818.77	
<i>For Class 55 Rating, Add</i>	1,220.81	
<i>For Class 56 Rating, Add</i>	1,617.43	
40 05 19 00-3212 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,203.46	384.92
<i>For Class 52 Rating, Deduct</i>	-618.23	
<i>For Class 54 Rating, Add</i>	850.03	
<i>For Class 55 Rating, Add</i>	1,267.31	
<i>For Class 56 Rating, Add</i>	1,678.96	
40 05 19 00-3213 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,415.86	387.80
<i>For Class 52 Rating, Deduct</i>	-641.11	
<i>For Class 54 Rating, Add</i>	881.29	
<i>For Class 55 Rating, Add</i>	1,313.81	
<i>For Class 56 Rating, Add</i>	1,740.50	
40 05 19 00-3214 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,628.26	390.68
<i>For Class 52 Rating, Deduct</i>	-664.00	
<i>For Class 54 Rating, Add</i>	912.55	
<i>For Class 55 Rating, Add</i>	1,360.31	
<i>For Class 56 Rating, Add</i>	1,802.03	
40 05 19 00-3215 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,840.67	393.55
<i>For Class 52 Rating, Deduct</i>	-686.88	
<i>For Class 54 Rating, Add</i>	943.81	
<i>For Class 55 Rating, Add</i>	1,406.81	
<i>For Class 56 Rating, Add</i>	1,863.56	
40 05 19 00-3216 EA 10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,053.08	396.41
<i>For Class 52 Rating, Deduct</i>	-709.77	
<i>For Class 54 Rating, Add</i>	975.07	
<i>For Class 55 Rating, Add</i>	1,453.31	
<i>For Class 56 Rating, Add</i>	1,925.09	
40 05 19 00-3217 EA 10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,265.48	399.29
<i>For Class 52 Rating, Deduct</i>	-732.65	
<i>For Class 54 Rating, Add</i>	1,006.33	
<i>For Class 55 Rating, Add</i>	1,499.81	
<i>For Class 56 Rating, Add</i>	1,986.62	
40 05 19 00-3218 EA 10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,477.88	402.17
<i>For Class 52 Rating, Deduct</i>	-755.54	
<i>For Class 54 Rating, Add</i>	1,037.59	
<i>For Class 55 Rating, Add</i>	1,546.31	
<i>For Class 56 Rating, Add</i>	2,048.16	
40 05 19 00-3219 EA 10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,690.30	405.05
<i>For Class 52 Rating, Deduct</i>	-778.43	
<i>For Class 54 Rating, Add</i>	1,068.85	
<i>For Class 55 Rating, Add</i>	1,592.81	
<i>For Class 56 Rating, Add</i>	2,109.69	
40 05 19 00-3220 EA 10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,902.70	407.91
<i>For Class 52 Rating, Deduct</i>	-801.31	
<i>For Class 54 Rating, Add</i>	1,100.11	
<i>For Class 55 Rating, Add</i>	1,639.31	
<i>For Class 56 Rating, Add</i>	2,171.22	
40 05 19 00-3221 EA 10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	8,115.10	410.78
<i>For Class 52 Rating, Deduct</i>	-824.20	
<i>For Class 54 Rating, Add</i>	1,131.37	
<i>For Class 55 Rating, Add</i>	1,685.81	
<i>For Class 56 Rating, Add</i>	2,232.75	
40 05 19 00-3222 EA 10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	8,327.50	413.66
<i>For Class 52 Rating, Deduct</i>	-847.08	
<i>For Class 54 Rating, Add</i>	1,162.63	
<i>For Class 55 Rating, Add</i>	1,732.31	
<i>For Class 56 Rating, Add</i>	2,294.28	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,539.92		416.53
		<i>For Class 52 Rating, Deduct</i>	-869.97		
		<i>For Class 54 Rating, Add</i>	1,193.89		
		<i>For Class 55 Rating, Add</i>	1,778.81		
		<i>For Class 56 Rating, Add</i>	2,355.82		
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,752.32		419.40
		<i>For Class 52 Rating, Deduct</i>	-892.85		
		<i>For Class 54 Rating, Add</i>	1,225.15		
		<i>For Class 55 Rating, Add</i>	1,825.31		
		<i>For Class 56 Rating, Add</i>	2,417.35		
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,964.72		422.27
		<i>For Class 52 Rating, Deduct</i>	-915.74		
		<i>For Class 54 Rating, Add</i>	1,256.41		
		<i>For Class 55 Rating, Add</i>	1,871.81		
		<i>For Class 56 Rating, Add</i>	2,478.88		
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,177.12		425.15
		<i>For Class 52 Rating, Deduct</i>	-938.63		
		<i>For Class 54 Rating, Add</i>	1,287.67		
		<i>For Class 55 Rating, Add</i>	1,918.31		
		<i>For Class 56 Rating, Add</i>	2,540.41		
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,389.54		428.02
		<i>For Class 52 Rating, Deduct</i>	-961.51		
		<i>For Class 54 Rating, Add</i>	1,318.94		
		<i>For Class 55 Rating, Add</i>	1,964.81		
		<i>For Class 56 Rating, Add</i>	2,601.95		
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,601.94		430.90
		<i>For Class 52 Rating, Deduct</i>	-984.40		
		<i>For Class 54 Rating, Add</i>	1,350.19		
		<i>For Class 55 Rating, Add</i>	2,011.31		
		<i>For Class 56 Rating, Add</i>	2,663.48		
40 05 19 00-3229		12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>			
40 05 19 00-3230	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,986.98		402.17
		<i>For Class 52 Rating, Deduct</i>	-151.54		
		<i>For Class 54 Rating, Add</i>	213.96		
		<i>For Class 55 Rating, Add</i>	321.84		
		<i>For Class 56 Rating, Add</i>	428.34		
40 05 19 00-3231	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,250.00		405.05
		<i>For Class 52 Rating, Deduct</i>	-179.99		
		<i>For Class 54 Rating, Add</i>	252.81		
		<i>For Class 55 Rating, Add</i>	379.62		
		<i>For Class 56 Rating, Add</i>	504.80		
40 05 19 00-3232	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,513.01		407.91
		<i>For Class 52 Rating, Deduct</i>	-208.45		
		<i>For Class 54 Rating, Add</i>	291.66		
		<i>For Class 55 Rating, Add</i>	437.41		
		<i>For Class 56 Rating, Add</i>	581.26		
40 05 19 00-3233	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,776.02		410.78
		<i>For Class 52 Rating, Deduct</i>	-236.90		
		<i>For Class 54 Rating, Add</i>	330.51		
		<i>For Class 55 Rating, Add</i>	495.19		
		<i>For Class 56 Rating, Add</i>	657.72		
40 05 19 00-3234	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,039.03		413.66
		<i>For Class 52 Rating, Deduct</i>	-265.35		
		<i>For Class 54 Rating, Add</i>	369.36		
		<i>For Class 55 Rating, Add</i>	552.98		
		<i>For Class 56 Rating, Add</i>	734.19		
40 05 19 00-3235	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,302.05		416.53
		<i>For Class 52 Rating, Deduct</i>	-293.80		
		<i>For Class 54 Rating, Add</i>	408.21		
		<i>For Class 55 Rating, Add</i>	610.77		
		<i>For Class 56 Rating, Add</i>	810.65		
40 05 19 00-3236	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,565.06		419.40
		<i>For Class 52 Rating, Deduct</i>	-322.26		
		<i>For Class 54 Rating, Add</i>	447.07		
		<i>For Class 55 Rating, Add</i>	668.55		
		<i>For Class 56 Rating, Add</i>	887.11		



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3237 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,828.07	422.27
<i>For Class 52 Rating, Deduct</i>	-350.71	
<i>For Class 54 Rating, Add</i>	485.92	
<i>For Class 55 Rating, Add</i>	726.34	
<i>For Class 56 Rating, Add</i>	963.57	
40 05 19 00-3238 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,091.08	425.15
<i>For Class 52 Rating, Deduct</i>	-379.16	
<i>For Class 54 Rating, Add</i>	524.77	
<i>For Class 55 Rating, Add</i>	784.12	
<i>For Class 56 Rating, Add</i>	1,040.03	
40 05 19 00-3239 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,354.10	428.02
<i>For Class 52 Rating, Deduct</i>	-407.61	
<i>For Class 54 Rating, Add</i>	563.62	
<i>For Class 55 Rating, Add</i>	841.91	
<i>For Class 56 Rating, Add</i>	1,116.49	
40 05 19 00-3240 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,617.11	430.90
<i>For Class 52 Rating, Deduct</i>	-436.07	
<i>For Class 54 Rating, Add</i>	602.47	
<i>For Class 55 Rating, Add</i>	899.69	
<i>For Class 56 Rating, Add</i>	1,192.95	
40 05 19 00-3241 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,880.12	433.76
<i>For Class 52 Rating, Deduct</i>	-464.52	
<i>For Class 54 Rating, Add</i>	641.32	
<i>For Class 55 Rating, Add</i>	957.48	
<i>For Class 56 Rating, Add</i>	1,269.42	
40 05 19 00-3242 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,143.13	436.63
<i>For Class 52 Rating, Deduct</i>	-492.97	
<i>For Class 54 Rating, Add</i>	680.17	
<i>For Class 55 Rating, Add</i>	1,015.27	
<i>For Class 56 Rating, Add</i>	1,345.88	
40 05 19 00-3243 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,406.15	439.51
<i>For Class 52 Rating, Deduct</i>	-521.42	
<i>For Class 54 Rating, Add</i>	719.02	
<i>For Class 55 Rating, Add</i>	1,073.05	
<i>For Class 56 Rating, Add</i>	1,422.34	
40 05 19 00-3244 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,669.16	442.39
<i>For Class 52 Rating, Deduct</i>	-549.88	
<i>For Class 54 Rating, Add</i>	757.88	
<i>For Class 55 Rating, Add</i>	1,130.84	
<i>For Class 56 Rating, Add</i>	1,498.80	
40 05 19 00-3245 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,932.17	445.26
<i>For Class 52 Rating, Deduct</i>	-578.33	
<i>For Class 54 Rating, Add</i>	796.73	
<i>For Class 55 Rating, Add</i>	1,188.62	
<i>For Class 56 Rating, Add</i>	1,575.26	
40 05 19 00-3246 EA 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,195.18	448.12
<i>For Class 52 Rating, Deduct</i>	-606.78	
<i>For Class 54 Rating, Add</i>	835.58	
<i>For Class 55 Rating, Add</i>	1,246.41	
<i>For Class 56 Rating, Add</i>	1,651.72	
40 05 19 00-3247 EA 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,458.19	451.00
<i>For Class 52 Rating, Deduct</i>	-635.23	
<i>For Class 54 Rating, Add</i>	874.43	
<i>For Class 55 Rating, Add</i>	1,304.19	
<i>For Class 56 Rating, Add</i>	1,728.18	
40 05 19 00-3248 EA 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,721.21	453.88
<i>For Class 52 Rating, Deduct</i>	-663.69	
<i>For Class 54 Rating, Add</i>	913.28	
<i>For Class 55 Rating, Add</i>	1,361.98	
<i>For Class 56 Rating, Add</i>	1,804.65	
40 05 19 00-3249 EA 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,984.22	456.74
<i>For Class 52 Rating, Deduct</i>	-692.14	
<i>For Class 54 Rating, Add</i>	952.13	
<i>For Class 55 Rating, Add</i>	1,419.77	
<i>For Class 56 Rating, Add</i>	1,881.11	
40 05 19 00-3250 EA 12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,247.23	459.61
<i>For Class 52 Rating, Deduct</i>	-720.59	
<i>For Class 54 Rating, Add</i>	990.98	
<i>For Class 55 Rating, Add</i>	1,477.55	
<i>For Class 56 Rating, Add</i>	1,957.57	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,510.25		462.49
		For Class 52 Rating, Deduct	-749.05		
		For Class 54 Rating, Add	1,029.83		
		For Class 55 Rating, Add	1,535.34		
		For Class 56 Rating, Add	2,034.03		
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,773.26		465.37
		For Class 52 Rating, Deduct	-777.50		
		For Class 54 Rating, Add	1,068.69		
		For Class 55 Rating, Add	1,593.12		
		For Class 56 Rating, Add	2,110.49		
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,036.27		468.23
		For Class 52 Rating, Deduct	-805.95		
		For Class 54 Rating, Add	1,107.54		
		For Class 55 Rating, Add	1,650.91		
		For Class 56 Rating, Add	2,186.95		
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,299.28		471.11
		For Class 52 Rating, Deduct	-834.40		
		For Class 54 Rating, Add	1,146.39		
		For Class 55 Rating, Add	1,708.69		
		For Class 56 Rating, Add	2,263.41		
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,562.29		473.98
		For Class 52 Rating, Deduct	-862.86		
		For Class 54 Rating, Add	1,185.24		
		For Class 55 Rating, Add	1,766.48		
		For Class 56 Rating, Add	2,339.87		
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,825.31		476.86
		For Class 52 Rating, Deduct	-891.31		
		For Class 54 Rating, Add	1,224.09		
		For Class 55 Rating, Add	1,824.26		
		For Class 56 Rating, Add	2,416.34		
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	9,088.32		479.72
		For Class 52 Rating, Deduct	-919.76		
		For Class 54 Rating, Add	1,262.94		
		For Class 55 Rating, Add	1,882.05		
		For Class 56 Rating, Add	2,492.80		
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	9,351.33		482.60
		For Class 52 Rating, Deduct	-948.21		
		For Class 54 Rating, Add	1,301.79		
		For Class 55 Rating, Add	1,939.84		
		For Class 56 Rating, Add	2,569.26		
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	9,614.35		485.48
		For Class 52 Rating, Deduct	-976.67		
		For Class 54 Rating, Add	1,340.64		
		For Class 55 Rating, Add	1,997.62		
		For Class 56 Rating, Add	2,645.72		
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	9,877.36		488.34
		For Class 52 Rating, Deduct	-1,005.12		
		For Class 54 Rating, Add	1,379.50		
		For Class 55 Rating, Add	2,055.41		
		For Class 56 Rating, Add	2,722.18		
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	10,140.37		491.22
		For Class 52 Rating, Deduct	-1,033.57		
		For Class 54 Rating, Add	1,418.35		
		For Class 55 Rating, Add	2,113.19		
		For Class 56 Rating, Add	2,798.64		
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	10,403.38		494.09
		For Class 52 Rating, Deduct	-1,062.02		
		For Class 54 Rating, Add	1,457.20		
		For Class 55 Rating, Add	2,170.98		
		For Class 56 Rating, Add	2,875.10		
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	10,666.39		496.97
		For Class 52 Rating, Deduct	-1,090.48		
		For Class 54 Rating, Add	1,496.05		
		For Class 55 Rating, Add	2,228.76		
		For Class 56 Rating, Add	2,951.57		
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	10,929.40		499.83
		For Class 52 Rating, Deduct	-1,118.93		
		For Class 54 Rating, Add	1,534.90		
		For Class 55 Rating, Add	2,286.55		
		For Class 56 Rating, Add	3,028.03		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3265 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,192.42	502.71
For Class 52 Rating, Deduct	-1,147.38	
For Class 54 Rating, Add	1,573.75	
For Class 55 Rating, Add	2,344.34	
For Class 56 Rating, Add	3,104.49	
40 05 19 00-3266 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,455.43	505.58
For Class 52 Rating, Deduct	-1,175.83	
For Class 54 Rating, Add	1,612.60	
For Class 55 Rating, Add	2,402.12	
For Class 56 Rating, Add	3,180.95	
40 05 19 00-3267 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,718.45	508.45
For Class 52 Rating, Deduct	-1,204.29	
For Class 54 Rating, Add	1,651.45	
For Class 55 Rating, Add	2,459.91	
For Class 56 Rating, Add	3,257.41	
40 05 19 00-3268 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,981.46	511.33
For Class 52 Rating, Deduct	-1,232.74	
For Class 54 Rating, Add	1,690.30	
For Class 55 Rating, Add	2,517.69	
For Class 56 Rating, Add	3,333.87	
40 05 19 00-3269 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3270 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,673.97	482.60
For Class 52 Rating, Deduct	-213.70	
For Class 54 Rating, Add	300.19	
For Class 55 Rating, Add	450.78	
For Class 56 Rating, Add	599.44	
40 05 19 00-3271 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,993.22	485.48
For Class 52 Rating, Deduct	-248.34	
For Class 54 Rating, Add	347.47	
For Class 55 Rating, Add	521.11	
For Class 56 Rating, Add	692.49	
40 05 19 00-3272 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,312.46	488.34
For Class 52 Rating, Deduct	-282.98	
For Class 54 Rating, Add	394.76	
For Class 55 Rating, Add	591.43	
For Class 56 Rating, Add	785.54	
40 05 19 00-3273 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,631.70	491.22
For Class 52 Rating, Deduct	-317.62	
For Class 54 Rating, Add	442.05	
For Class 55 Rating, Add	661.76	
For Class 56 Rating, Add	878.59	
40 05 19 00-3274 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,950.94	494.09
For Class 52 Rating, Deduct	-352.26	
For Class 54 Rating, Add	489.33	
For Class 55 Rating, Add	732.08	
For Class 56 Rating, Add	971.63	
40 05 19 00-3275 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,270.18	496.97
For Class 52 Rating, Deduct	-386.89	
For Class 54 Rating, Add	536.62	
For Class 55 Rating, Add	802.41	
For Class 56 Rating, Add	1,064.68	
40 05 19 00-3276 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,589.42	499.83
For Class 52 Rating, Deduct	-421.53	
For Class 54 Rating, Add	583.90	
For Class 55 Rating, Add	872.73	
For Class 56 Rating, Add	1,157.73	
40 05 19 00-3277 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,908.67	502.71
For Class 52 Rating, Deduct	-456.17	
For Class 54 Rating, Add	631.19	
For Class 55 Rating, Add	943.06	
For Class 56 Rating, Add	1,250.78	
40 05 19 00-3278 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,227.91	505.58
For Class 52 Rating, Deduct	-490.81	
For Class 54 Rating, Add	678.47	
For Class 55 Rating, Add	1,013.38	
For Class 56 Rating, Add	1,343.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3279	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		5,547.16	508.45
		For Class 52 Rating, Deduct		-525.44	
		For Class 54 Rating, Add		725.76	
		For Class 55 Rating, Add		1,083.71	
		For Class 56 Rating, Add		1,436.88	
40 05 19 00-3280	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		5,866.40	511.33
		For Class 52 Rating, Deduct		-560.08	
		For Class 54 Rating, Add		773.05	
		For Class 55 Rating, Add		1,154.03	
		For Class 56 Rating, Add		1,529.93	
40 05 19 00-3281	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		6,185.64	514.20
		For Class 52 Rating, Deduct		-594.72	
		For Class 54 Rating, Add		820.33	
		For Class 55 Rating, Add		1,224.36	
		For Class 56 Rating, Add		1,622.98	
40 05 19 00-3282	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		6,504.88	517.07
		For Class 52 Rating, Deduct		-629.36	
		For Class 54 Rating, Add		867.62	
		For Class 55 Rating, Add		1,294.68	
		For Class 56 Rating, Add		1,716.03	
40 05 19 00-3283	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		6,824.12	519.94
		For Class 52 Rating, Deduct		-664.00	
		For Class 54 Rating, Add		914.90	
		For Class 55 Rating, Add		1,365.01	
		For Class 56 Rating, Add		1,809.08	
40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		7,143.36	522.82
		For Class 52 Rating, Deduct		-698.63	
		For Class 54 Rating, Add		962.19	
		For Class 55 Rating, Add		1,435.33	
		For Class 56 Rating, Add		1,902.13	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		7,462.60	525.70
		For Class 52 Rating, Deduct		-733.27	
		For Class 54 Rating, Add		1,009.47	
		For Class 55 Rating, Add		1,505.66	
		For Class 56 Rating, Add		1,995.18	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		7,781.85	528.55
		For Class 52 Rating, Deduct		-767.91	
		For Class 54 Rating, Add		1,056.76	
		For Class 55 Rating, Add		1,575.98	
		For Class 56 Rating, Add		2,088.23	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,101.10	531.43
		For Class 52 Rating, Deduct		-802.55	
		For Class 54 Rating, Add		1,104.05	
		For Class 55 Rating, Add		1,646.31	
		For Class 56 Rating, Add		2,181.28	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,420.34	534.31
		For Class 52 Rating, Deduct		-837.19	
		For Class 54 Rating, Add		1,151.33	
		For Class 55 Rating, Add		1,716.63	
		For Class 56 Rating, Add		2,274.32	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,739.58	537.19
		For Class 52 Rating, Deduct		-871.82	
		For Class 54 Rating, Add		1,198.62	
		For Class 55 Rating, Add		1,786.96	
		For Class 56 Rating, Add		2,367.37	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,058.83	540.04
		For Class 52 Rating, Deduct		-906.46	
		For Class 54 Rating, Add		1,245.90	
		For Class 55 Rating, Add		1,857.29	
		For Class 56 Rating, Add		2,460.43	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,378.07	542.92
		For Class 52 Rating, Deduct		-941.10	
		For Class 54 Rating, Add		1,293.19	
		For Class 55 Rating, Add		1,927.61	
		For Class 56 Rating, Add		2,553.47	
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,697.31	545.80
		For Class 52 Rating, Deduct		-975.74	
		For Class 54 Rating, Add		1,340.48	
		For Class 55 Rating, Add		1,997.94	
		For Class 56 Rating, Add		2,646.52	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3293	EA			14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	10,016.55	548.68
				For Class 52 Rating, Deduct	-1,010.38	
				For Class 54 Rating, Add	1,387.76	
				For Class 55 Rating, Add	2,068.26	
				For Class 56 Rating, Add	2,739.57	
40 05 19 00-3294	EA			14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	10,335.81	551.54
				For Class 52 Rating, Deduct	-1,045.01	
				For Class 54 Rating, Add	1,435.05	
				For Class 55 Rating, Add	2,138.59	
				For Class 56 Rating, Add	2,832.62	
40 05 19 00-3295	EA			14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	10,655.05	554.41
				For Class 52 Rating, Deduct	-1,079.65	
				For Class 54 Rating, Add	1,482.33	
				For Class 55 Rating, Add	2,208.91	
				For Class 56 Rating, Add	2,925.67	
40 05 19 00-3296	EA			14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	10,974.29	557.29
				For Class 52 Rating, Deduct	-1,114.29	
				For Class 54 Rating, Add	1,529.62	
				For Class 55 Rating, Add	2,279.24	
				For Class 56 Rating, Add	3,018.72	
40 05 19 00-3297	EA			14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	11,293.53	560.16
				For Class 52 Rating, Deduct	-1,148.93	
				For Class 54 Rating, Add	1,576.90	
				For Class 55 Rating, Add	2,349.56	
				For Class 56 Rating, Add	3,111.77	
40 05 19 00-3298	EA			14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	11,612.77	563.03
				For Class 52 Rating, Deduct	-1,183.57	
				For Class 54 Rating, Add	1,624.19	
				For Class 55 Rating, Add	2,419.88	
				For Class 56 Rating, Add	3,204.82	
40 05 19 00-3299	EA			14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	11,932.01	565.91
				For Class 52 Rating, Deduct	-1,218.20	
				For Class 54 Rating, Add	1,671.48	
				For Class 55 Rating, Add	2,490.21	
				For Class 56 Rating, Add	3,297.87	
40 05 19 00-3300	EA			14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,251.25	568.78
				For Class 52 Rating, Deduct	-1,252.84	
				For Class 54 Rating, Add	1,718.76	
				For Class 55 Rating, Add	2,560.53	
				For Class 56 Rating, Add	3,390.92	
40 05 19 00-3301	EA			14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,570.49	571.65
				For Class 52 Rating, Deduct	-1,287.48	
				For Class 54 Rating, Add	1,766.05	
				For Class 55 Rating, Add	2,630.86	
				For Class 56 Rating, Add	3,483.97	
40 05 19 00-3302	EA			14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,889.74	574.53
				For Class 52 Rating, Deduct	-1,322.12	
				For Class 54 Rating, Add	1,813.33	
				For Class 55 Rating, Add	2,701.18	
				For Class 56 Rating, Add	3,577.02	
40 05 19 00-3303	EA			14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	13,208.99	577.40
				For Class 52 Rating, Deduct	-1,356.76	
				For Class 54 Rating, Add	1,860.62	
				For Class 55 Rating, Add	2,771.51	
				For Class 56 Rating, Add	3,670.07	
40 05 19 00-3304	EA			14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	13,528.23	580.26
				For Class 52 Rating, Deduct	-1,391.39	
				For Class 54 Rating, Add	1,907.90	
				For Class 55 Rating, Add	2,841.83	
				For Class 56 Rating, Add	3,763.12	
40 05 19 00-3305	EA			14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	13,847.47	583.14
				For Class 52 Rating, Deduct	-1,426.03	
				For Class 54 Rating, Add	1,955.19	
				For Class 55 Rating, Add	2,912.16	
				For Class 56 Rating, Add	3,856.16	
40 05 19 00-3306	EA			14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	14,166.71	586.02
				For Class 52 Rating, Deduct	-1,460.67	
				For Class 54 Rating, Add	2,002.48	
				For Class 55 Rating, Add	2,982.48	
				For Class 56 Rating, Add	3,949.21	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3307	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,485.95	588.89
			<i>For Class 52 Rating, Deduct</i>	-1,495.31	
			<i>For Class 54 Rating, Add</i>	2,049.76	
			<i>For Class 55 Rating, Add</i>	3,052.81	
			<i>For Class 56 Rating, Add</i>	4,042.26	
40 05 19 00-3308			16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3309	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,127.07	551.54
			<i>For Class 52 Rating, Deduct</i>	-252.05	
			<i>For Class 54 Rating, Add</i>	353.74	
			<i>For Class 55 Rating, Add</i>	531.04	
			<i>For Class 56 Rating, Add</i>	706.04	
40 05 19 00-3310	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,496.92	554.41
			<i>For Class 52 Rating, Deduct</i>	-292.26	
			<i>For Class 54 Rating, Add</i>	408.61	
			<i>For Class 55 Rating, Add</i>	612.65	
			<i>For Class 56 Rating, Add</i>	814.02	
40 05 19 00-3311	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,866.76	557.29
			<i>For Class 52 Rating, Deduct</i>	-332.46	
			<i>For Class 54 Rating, Add</i>	463.49	
			<i>For Class 55 Rating, Add</i>	694.26	
			<i>For Class 56 Rating, Add</i>	922.00	
40 05 19 00-3312	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,236.61	560.16
			<i>For Class 52 Rating, Deduct</i>	-372.67	
			<i>For Class 54 Rating, Add</i>	518.37	
			<i>For Class 55 Rating, Add</i>	775.87	
			<i>For Class 56 Rating, Add</i>	1,029.98	
40 05 19 00-3313	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,606.46	563.03
			<i>For Class 52 Rating, Deduct</i>	-412.87	
			<i>For Class 54 Rating, Add</i>	573.24	
			<i>For Class 55 Rating, Add</i>	857.48	
			<i>For Class 56 Rating, Add</i>	1,137.96	
40 05 19 00-3314	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,976.31	565.91
			<i>For Class 52 Rating, Deduct</i>	-453.08	
			<i>For Class 54 Rating, Add</i>	628.12	
			<i>For Class 55 Rating, Add</i>	939.09	
			<i>For Class 56 Rating, Add</i>	1,245.94	
40 05 19 00-3315	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,346.15	568.78
			<i>For Class 52 Rating, Deduct</i>	-493.28	
			<i>For Class 54 Rating, Add</i>	683.00	
			<i>For Class 55 Rating, Add</i>	1,020.70	
			<i>For Class 56 Rating, Add</i>	1,353.91	
40 05 19 00-3316	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,716.00	571.65
			<i>For Class 52 Rating, Deduct</i>	-533.49	
			<i>For Class 54 Rating, Add</i>	737.87	
			<i>For Class 55 Rating, Add</i>	1,102.31	
			<i>For Class 56 Rating, Add</i>	1,461.89	
40 05 19 00-3317	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,085.86	574.53
			<i>For Class 52 Rating, Deduct</i>	-573.69	
			<i>For Class 54 Rating, Add</i>	792.75	
			<i>For Class 55 Rating, Add</i>	1,183.92	
			<i>For Class 56 Rating, Add</i>	1,569.87	
40 05 19 00-3318	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,455.72	577.40
			<i>For Class 52 Rating, Deduct</i>	-613.90	
			<i>For Class 54 Rating, Add</i>	847.63	
			<i>For Class 55 Rating, Add</i>	1,265.53	
			<i>For Class 56 Rating, Add</i>	1,677.85	
40 05 19 00-3319	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,825.56	580.26
			<i>For Class 52 Rating, Deduct</i>	-654.10	
			<i>For Class 54 Rating, Add</i>	902.50	
			<i>For Class 55 Rating, Add</i>	1,347.14	
			<i>For Class 56 Rating, Add</i>	1,785.83	
40 05 19 00-3320	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,195.41	583.14
			<i>For Class 52 Rating, Deduct</i>	-694.30	
			<i>For Class 54 Rating, Add</i>	957.38	
			<i>For Class 55 Rating, Add</i>	1,428.75	
			<i>For Class 56 Rating, Add</i>	1,893.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3321	EA			16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	7,565.26	586.02
				For Class 52 Rating, Deduct	-734.51	
				For Class 54 Rating, Add	1,012.26	
				For Class 55 Rating, Add	1,510.36	
				For Class 56 Rating, Add	2,001.79	
40 05 19 00-3322	EA			16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	7,935.11	588.89
				For Class 52 Rating, Deduct	-774.71	
				For Class 54 Rating, Add	1,067.14	
				For Class 55 Rating, Add	1,591.97	
				For Class 56 Rating, Add	2,109.76	
40 05 19 00-3323	EA			16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	8,304.96	591.76
				For Class 52 Rating, Deduct	-814.92	
				For Class 54 Rating, Add	1,122.01	
				For Class 55 Rating, Add	1,673.58	
				For Class 56 Rating, Add	2,217.74	
40 05 19 00-3324	EA			16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	8,674.80	594.63
				For Class 52 Rating, Deduct	-855.12	
				For Class 54 Rating, Add	1,176.89	
				For Class 55 Rating, Add	1,755.19	
				For Class 56 Rating, Add	2,325.72	
40 05 19 00-3325	EA			16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	9,044.66	597.51
				For Class 52 Rating, Deduct	-895.33	
				For Class 54 Rating, Add	1,231.77	
				For Class 55 Rating, Add	1,836.80	
				For Class 56 Rating, Add	2,433.70	
40 05 19 00-3326	EA			16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	9,414.52	600.37
				For Class 52 Rating, Deduct	-935.53	
				For Class 54 Rating, Add	1,286.64	
				For Class 55 Rating, Add	1,918.41	
				For Class 56 Rating, Add	2,541.68	
40 05 19 00-3327	EA			16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	9,784.37	603.25
				For Class 52 Rating, Deduct	-975.74	
				For Class 54 Rating, Add	1,341.52	
				For Class 55 Rating, Add	2,000.02	
				For Class 56 Rating, Add	2,649.66	
40 05 19 00-3328	EA			16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	10,154.21	606.12
				For Class 52 Rating, Deduct	-1,015.94	
				For Class 54 Rating, Add	1,396.40	
				For Class 55 Rating, Add	2,081.63	
				For Class 56 Rating, Add	2,757.63	
40 05 19 00-3329	EA			16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	10,524.06	609.00
				For Class 52 Rating, Deduct	-1,056.15	
				For Class 54 Rating, Add	1,451.27	
				For Class 55 Rating, Add	2,163.24	
				For Class 56 Rating, Add	2,865.61	
40 05 19 00-3330	EA			16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	10,893.91	611.86
				For Class 52 Rating, Deduct	-1,096.35	
				For Class 54 Rating, Add	1,506.15	
				For Class 55 Rating, Add	2,244.86	
				For Class 56 Rating, Add	2,973.59	
40 05 19 00-3331	EA			16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	11,263.76	614.74
				For Class 52 Rating, Deduct	-1,136.56	
				For Class 54 Rating, Add	1,561.03	
				For Class 55 Rating, Add	2,326.47	
				For Class 56 Rating, Add	3,081.57	
40 05 19 00-3332	EA			16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	11,633.60	617.62
				For Class 52 Rating, Deduct	-1,176.76	
				For Class 54 Rating, Add	1,615.90	
				For Class 55 Rating, Add	2,408.07	
				For Class 56 Rating, Add	3,189.55	
40 05 19 00-3333	EA			16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,003.46	620.49
				For Class 52 Rating, Deduct	-1,216.97	
				For Class 54 Rating, Add	1,670.78	
				For Class 55 Rating, Add	2,489.69	
				For Class 56 Rating, Add	3,297.53	
40 05 19 00-3334	EA			16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
				Coat, Ductile Iron Pipe.....	12,373.31	623.35
				For Class 52 Rating, Deduct	-1,257.17	
				For Class 54 Rating, Add	1,725.66	
				For Class 55 Rating, Add	2,571.30	
				For Class 56 Rating, Add	3,405.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3335	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,743.17	626.23
			<i>For Class 52 Rating, Deduct</i>	-1,297.38	
			<i>For Class 54 Rating, Add</i>	1,780.54	
			<i>For Class 55 Rating, Add</i>	2,652.91	
			<i>For Class 56 Rating, Add</i>	3,513.49	
40 05 19 00-3336	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,113.01	629.11
			<i>For Class 52 Rating, Deduct</i>	-1,337.58	
			<i>For Class 54 Rating, Add</i>	1,835.41	
			<i>For Class 55 Rating, Add</i>	2,734.52	
			<i>For Class 56 Rating, Add</i>	3,621.46	
40 05 19 00-3337	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,482.86	631.97
			<i>For Class 52 Rating, Deduct</i>	-1,377.79	
			<i>For Class 54 Rating, Add</i>	1,890.29	
			<i>For Class 55 Rating, Add</i>	2,816.13	
			<i>For Class 56 Rating, Add</i>	3,729.44	
40 05 19 00-3338	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,852.71	634.84
			<i>For Class 52 Rating, Deduct</i>	-1,417.99	
			<i>For Class 54 Rating, Add</i>	1,945.17	
			<i>For Class 55 Rating, Add</i>	2,897.74	
			<i>For Class 56 Rating, Add</i>	3,837.42	
40 05 19 00-3339	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,222.56	637.72
			<i>For Class 52 Rating, Deduct</i>	-1,458.20	
			<i>For Class 54 Rating, Add</i>	2,000.04	
			<i>For Class 55 Rating, Add</i>	2,979.35	
			<i>For Class 56 Rating, Add</i>	3,945.40	
40 05 19 00-3340	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,592.40	640.60
			<i>For Class 52 Rating, Deduct</i>	-1,498.40	
			<i>For Class 54 Rating, Add</i>	2,054.92	
			<i>For Class 55 Rating, Add</i>	3,060.96	
			<i>For Class 56 Rating, Add</i>	4,053.38	
40 05 19 00-3341	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,962.26	643.47
			<i>For Class 52 Rating, Deduct</i>	-1,538.60	
			<i>For Class 54 Rating, Add</i>	2,109.80	
			<i>For Class 55 Rating, Add</i>	3,142.57	
			<i>For Class 56 Rating, Add</i>	4,161.35	
40 05 19 00-3342	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,332.11	646.33
			<i>For Class 52 Rating, Deduct</i>	-1,578.81	
			<i>For Class 54 Rating, Add</i>	2,164.67	
			<i>For Class 55 Rating, Add</i>	3,224.18	
			<i>For Class 56 Rating, Add</i>	4,269.33	
40 05 19 00-3343	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,701.97	649.21
			<i>For Class 52 Rating, Deduct</i>	-1,619.01	
			<i>For Class 54 Rating, Add</i>	2,219.55	
			<i>For Class 55 Rating, Add</i>	3,305.79	
			<i>For Class 56 Rating, Add</i>	4,377.31	
40 05 19 00-3344	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,071.81	652.08
			<i>For Class 52 Rating, Deduct</i>	-1,659.22	
			<i>For Class 54 Rating, Add</i>	2,274.43	
			<i>For Class 55 Rating, Add</i>	3,387.40	
			<i>For Class 56 Rating, Add</i>	4,485.29	
40 05 19 00-3345	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,441.66	654.96
			<i>For Class 52 Rating, Deduct</i>	-1,699.42	
			<i>For Class 54 Rating, Add</i>	2,329.30	
			<i>For Class 55 Rating, Add</i>	3,469.01	
			<i>For Class 56 Rating, Add</i>	4,593.27	
40 05 19 00-3346	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,811.51	657.83
			<i>For Class 52 Rating, Deduct</i>	-1,739.63	
			<i>For Class 54 Rating, Add</i>	2,384.18	
			<i>For Class 55 Rating, Add</i>	3,550.62	
			<i>For Class 56 Rating, Add</i>	4,701.25	
40 05 19 00-3347			18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3348	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,626.88	621.63
			<i>For Class 52 Rating, Deduct</i>	-295.35	
			<i>For Class 54 Rating, Add</i>	414.05	
			<i>For Class 55 Rating, Add</i>	621.36	
			<i>For Class 56 Rating, Add</i>	825.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3349 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,052.96	624.51
<i>For Class 52 Rating, Deduct</i>	-341.74	
<i>For Class 54 Rating, Add</i>	477.36	
<i>For Class 55 Rating, Add</i>	715.51	
<i>For Class 56 Rating, Add</i>	950.55	
40 05 19 00-3350 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,479.04	627.38
<i>For Class 52 Rating, Deduct</i>	-388.13	
<i>For Class 54 Rating, Add</i>	540.68	
<i>For Class 55 Rating, Add</i>	809.66	
<i>For Class 56 Rating, Add</i>	1,075.12	
40 05 19 00-3351 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,905.12	630.26
<i>For Class 52 Rating, Deduct</i>	-434.52	
<i>For Class 54 Rating, Add</i>	603.99	
<i>For Class 55 Rating, Add</i>	903.81	
<i>For Class 56 Rating, Add</i>	1,199.68	
40 05 19 00-3352 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,331.19	633.12
<i>For Class 52 Rating, Deduct</i>	-480.91	
<i>For Class 54 Rating, Add</i>	667.30	
<i>For Class 55 Rating, Add</i>	997.96	
<i>For Class 56 Rating, Add</i>	1,324.25	
40 05 19 00-3353 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,757.27	635.99
<i>For Class 52 Rating, Deduct</i>	-527.30	
<i>For Class 54 Rating, Add</i>	730.61	
<i>For Class 55 Rating, Add</i>	1,092.11	
<i>For Class 56 Rating, Add</i>	1,448.81	
40 05 19 00-3354 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,183.35	638.87
<i>For Class 52 Rating, Deduct</i>	-573.69	
<i>For Class 54 Rating, Add</i>	793.92	
<i>For Class 55 Rating, Add</i>	1,186.26	
<i>For Class 56 Rating, Add</i>	1,573.38	
40 05 19 00-3355 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	6,609.44	641.75
<i>For Class 52 Rating, Deduct</i>	-620.08	
<i>For Class 54 Rating, Add</i>	857.23	
<i>For Class 55 Rating, Add</i>	1,280.41	
<i>For Class 56 Rating, Add</i>	1,697.95	
40 05 19 00-3356 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,035.53	644.62
<i>For Class 52 Rating, Deduct</i>	-666.47	
<i>For Class 54 Rating, Add</i>	920.54	
<i>For Class 55 Rating, Add</i>	1,374.56	
<i>For Class 56 Rating, Add</i>	1,822.52	
40 05 19 00-3357 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,461.60	647.48
<i>For Class 52 Rating, Deduct</i>	-712.86	
<i>For Class 54 Rating, Add</i>	983.86	
<i>For Class 55 Rating, Add</i>	1,468.71	
<i>For Class 56 Rating, Add</i>	1,947.08	
40 05 19 00-3358 EA 18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	7,887.68	650.36
<i>For Class 52 Rating, Deduct</i>	-759.25	
<i>For Class 54 Rating, Add</i>	1,047.17	
<i>For Class 55 Rating, Add</i>	1,562.86	
<i>For Class 56 Rating, Add</i>	2,071.65	
40 05 19 00-3359 EA 18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	8,313.76	653.24
<i>For Class 52 Rating, Deduct</i>	-805.64	
<i>For Class 54 Rating, Add</i>	1,110.48	
<i>For Class 55 Rating, Add</i>	1,657.01	
<i>For Class 56 Rating, Add</i>	2,196.21	
40 05 19 00-3360 EA 18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	8,739.84	656.10
<i>For Class 52 Rating, Deduct</i>	-852.03	
<i>For Class 54 Rating, Add</i>	1,173.79	
<i>For Class 55 Rating, Add</i>	1,751.16	
<i>For Class 56 Rating, Add</i>	2,320.78	
40 05 19 00-3361 EA 18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	9,165.92	658.97
<i>For Class 52 Rating, Deduct</i>	-898.42	
<i>For Class 54 Rating, Add</i>	1,237.10	
<i>For Class 55 Rating, Add</i>	1,845.31	
<i>For Class 56 Rating, Add</i>	2,445.35	
40 05 19 00-3362 EA 18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	9,591.99	661.85
<i>For Class 52 Rating, Deduct</i>	-944.81	
<i>For Class 54 Rating, Add</i>	1,300.41	
<i>For Class 55 Rating, Add</i>	1,939.46	
<i>For Class 56 Rating, Add</i>	2,569.91	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3363	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,018.08	664.73
			For Class 52 Rating, Deduct	-991.20	
			For Class 54 Rating, Add	1,363.72	
			For Class 55 Rating, Add	2,033.61	
			For Class 56 Rating, Add	2,694.48	
40 05 19 00-3364	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,444.17	667.59
			For Class 52 Rating, Deduct	-1,037.59	
			For Class 54 Rating, Add	1,427.04	
			For Class 55 Rating, Add	2,127.76	
			For Class 56 Rating, Add	2,819.05	
40 05 19 00-3365	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,870.25	670.47
			For Class 52 Rating, Deduct	-1,083.98	
			For Class 54 Rating, Add	1,490.35	
			For Class 55 Rating, Add	2,221.91	
			For Class 56 Rating, Add	2,943.61	
40 05 19 00-3366	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,296.33	673.34
			For Class 52 Rating, Deduct	-1,130.37	
			For Class 54 Rating, Add	1,553.66	
			For Class 55 Rating, Add	2,316.06	
			For Class 56 Rating, Add	3,068.18	
40 05 19 00-3367	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,722.40	676.21
			For Class 52 Rating, Deduct	-1,176.76	
			For Class 54 Rating, Add	1,616.97	
			For Class 55 Rating, Add	2,410.21	
			For Class 56 Rating, Add	3,192.74	
40 05 19 00-3368	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,148.48	679.08
			For Class 52 Rating, Deduct	-1,223.15	
			For Class 54 Rating, Add	1,680.28	
			For Class 55 Rating, Add	2,504.36	
			For Class 56 Rating, Add	3,317.31	
40 05 19 00-3369	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,574.56	681.96
			For Class 52 Rating, Deduct	-1,269.54	
			For Class 54 Rating, Add	1,743.59	
			For Class 55 Rating, Add	2,598.51	
			For Class 56 Rating, Add	3,441.88	
40 05 19 00-3370	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,000.64	684.84
			For Class 52 Rating, Deduct	-1,315.93	
			For Class 54 Rating, Add	1,806.90	
			For Class 55 Rating, Add	2,692.66	
			For Class 56 Rating, Add	3,566.45	
40 05 19 00-3371	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,426.73	687.70
			For Class 52 Rating, Deduct	-1,362.32	
			For Class 54 Rating, Add	1,870.22	
			For Class 55 Rating, Add	2,786.81	
			For Class 56 Rating, Add	3,691.01	
40 05 19 00-3372	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,852.80	690.57
			For Class 52 Rating, Deduct	-1,408.71	
			For Class 54 Rating, Add	1,933.53	
			For Class 55 Rating, Add	2,880.95	
			For Class 56 Rating, Add	3,815.58	
40 05 19 00-3373	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,278.89	693.45
			For Class 52 Rating, Deduct	-1,455.10	
			For Class 54 Rating, Add	1,996.84	
			For Class 55 Rating, Add	2,975.11	
			For Class 56 Rating, Add	3,940.14	
40 05 19 00-3374	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,704.97	696.33
			For Class 52 Rating, Deduct	-1,501.49	
			For Class 54 Rating, Add	2,060.15	
			For Class 55 Rating, Add	3,069.26	
			For Class 56 Rating, Add	4,064.71	
40 05 19 00-3375	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	15,131.05	699.19
			For Class 52 Rating, Deduct	-1,547.88	
			For Class 54 Rating, Add	2,123.46	
			For Class 55 Rating, Add	3,163.41	
			For Class 56 Rating, Add	4,189.28	
40 05 19 00-3376	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	15,557.13	702.07
			For Class 52 Rating, Deduct	-1,594.27	
			For Class 54 Rating, Add	2,186.77	
			For Class 55 Rating, Add	3,257.56	
			For Class 56 Rating, Add	4,313.84	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3377 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,983.20	704.94
<i>For Class 52 Rating, Deduct</i>	-1,640.66	
<i>For Class 54 Rating, Add</i>	2,250.08	
<i>For Class 55 Rating, Add</i>	3,351.70	
<i>For Class 56 Rating, Add</i>	4,438.41	
40 05 19 00-3378 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,409.28	707.81
<i>For Class 52 Rating, Deduct</i>	-1,687.05	
<i>For Class 54 Rating, Add</i>	2,313.40	
<i>For Class 55 Rating, Add</i>	3,445.85	
<i>For Class 56 Rating, Add</i>	4,562.98	
40 05 19 00-3379 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,835.37	710.69
<i>For Class 52 Rating, Deduct</i>	-1,733.44	
<i>For Class 54 Rating, Add</i>	2,376.71	
<i>For Class 55 Rating, Add</i>	3,540.00	
<i>For Class 56 Rating, Add</i>	4,687.54	
40 05 19 00-3380 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,261.45	713.56
<i>For Class 52 Rating, Deduct</i>	-1,779.83	
<i>For Class 54 Rating, Add</i>	2,440.02	
<i>For Class 55 Rating, Add</i>	3,634.15	
<i>For Class 56 Rating, Add</i>	4,812.11	
40 05 19 00-3381 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,687.54	716.43
<i>For Class 52 Rating, Deduct</i>	-1,826.22	
<i>For Class 54 Rating, Add</i>	2,503.33	
<i>For Class 55 Rating, Add</i>	3,728.30	
<i>For Class 56 Rating, Add</i>	4,936.68	
40 05 19 00-3382 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,113.61	719.30
<i>For Class 52 Rating, Deduct</i>	-1,872.61	
<i>For Class 54 Rating, Add</i>	2,566.64	
<i>For Class 55 Rating, Add</i>	3,822.45	
<i>For Class 56 Rating, Add</i>	5,061.24	
40 05 19 00-3383 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,539.69	722.18
<i>For Class 52 Rating, Deduct</i>	-1,919.00	
<i>For Class 54 Rating, Add</i>	2,629.95	
<i>For Class 55 Rating, Add</i>	3,916.60	
<i>For Class 56 Rating, Add</i>	5,185.81	
40 05 19 00-3384 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,965.77	725.06
<i>For Class 52 Rating, Deduct</i>	-1,965.39	
<i>For Class 54 Rating, Add</i>	2,693.26	
<i>For Class 55 Rating, Add</i>	4,010.75	
<i>For Class 56 Rating, Add</i>	5,310.38	
40 05 19 00-3385 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,391.85	727.91
<i>For Class 52 Rating, Deduct</i>	-2,011.78	
<i>For Class 54 Rating, Add</i>	2,756.58	
<i>For Class 55 Rating, Add</i>	4,104.90	
<i>For Class 56 Rating, Add</i>	5,434.94	
 40 05 19 00-3386 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3387 EA 20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,223.96	709.54
<i>For Class 52 Rating, Deduct</i>	-346.38	
<i>For Class 54 Rating, Add</i>	485.24	
<i>For Class 55 Rating, Add</i>	728.01	
<i>For Class 56 Rating, Add</i>	967.63	
40 05 19 00-3388 EA 20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,709.08	712.42
<i>For Class 52 Rating, Deduct</i>	-399.26	
<i>For Class 54 Rating, Add</i>	557.40	
<i>For Class 55 Rating, Add</i>	835.32	
<i>For Class 56 Rating, Add</i>	1,109.61	
40 05 19 00-3389 EA 20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,194.20	715.28
<i>For Class 52 Rating, Deduct</i>	-452.15	
<i>For Class 54 Rating, Add</i>	629.57	
<i>For Class 55 Rating, Add</i>	942.64	
<i>For Class 56 Rating, Add</i>	1,251.60	
40 05 19 00-3390 EA 20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,679.32	718.15
<i>For Class 52 Rating, Deduct</i>	-505.03	
<i>For Class 54 Rating, Add</i>	701.74	
<i>For Class 55 Rating, Add</i>	1,049.95	
<i>For Class 56 Rating, Add</i>	1,393.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3391	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		6,164.44	721.03
		For Class 52 Rating, Deduct		-557.92	
		For Class 54 Rating, Add		773.91	
		For Class 55 Rating, Add		1,157.27	
		For Class 56 Rating, Add		1,535.56	
40 05 19 00-3392	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		6,649.57	723.90
		For Class 52 Rating, Deduct		-610.80	
		For Class 54 Rating, Add		846.07	
		For Class 55 Rating, Add		1,264.59	
		For Class 56 Rating, Add		1,677.55	
40 05 19 00-3393	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		7,134.69	726.77
		For Class 52 Rating, Deduct		-663.69	
		For Class 54 Rating, Add		918.24	
		For Class 55 Rating, Add		1,371.90	
		For Class 56 Rating, Add		1,819.53	
40 05 19 00-3394	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		7,619.81	729.64
		For Class 52 Rating, Deduct		-716.57	
		For Class 54 Rating, Add		990.41	
		For Class 55 Rating, Add		1,479.22	
		For Class 56 Rating, Add		1,961.51	
40 05 19 00-3395	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,104.94	732.52
		For Class 52 Rating, Deduct		-769.46	
		For Class 54 Rating, Add		1,062.58	
		For Class 55 Rating, Add		1,586.54	
		For Class 56 Rating, Add		2,103.50	
40 05 19 00-3396	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,590.06	735.39
		For Class 52 Rating, Deduct		-822.34	
		For Class 54 Rating, Add		1,134.75	
		For Class 55 Rating, Add		1,693.85	
		For Class 56 Rating, Add		2,245.48	
40 05 19 00-3397	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,075.18	738.27
		For Class 52 Rating, Deduct		-875.23	
		For Class 54 Rating, Add		1,206.91	
		For Class 55 Rating, Add		1,801.17	
		For Class 56 Rating, Add		2,387.47	
40 05 19 00-3398	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,560.30	741.13
		For Class 52 Rating, Deduct		-928.11	
		For Class 54 Rating, Add		1,279.08	
		For Class 55 Rating, Add		1,908.48	
		For Class 56 Rating, Add		2,529.45	
40 05 19 00-3399	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,045.42	744.00
		For Class 52 Rating, Deduct		-981.00	
		For Class 54 Rating, Add		1,351.25	
		For Class 55 Rating, Add		2,015.80	
		For Class 56 Rating, Add		2,671.43	
40 05 19 00-3400	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,530.55	746.88
		For Class 52 Rating, Deduct		-1,033.88	
		For Class 54 Rating, Add		1,423.42	
		For Class 55 Rating, Add		2,123.12	
		For Class 56 Rating, Add		2,813.42	
40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,015.67	749.76
		For Class 52 Rating, Deduct		-1,086.76	
		For Class 54 Rating, Add		1,495.58	
		For Class 55 Rating, Add		2,230.43	
		For Class 56 Rating, Add		2,955.40	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,500.79	752.64
		For Class 52 Rating, Deduct		-1,139.65	
		For Class 54 Rating, Add		1,567.75	
		For Class 55 Rating, Add		2,337.75	
		For Class 56 Rating, Add		3,097.38	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,985.92	755.49
		For Class 52 Rating, Deduct		-1,192.53	
		For Class 54 Rating, Add		1,639.92	
		For Class 55 Rating, Add		2,445.06	
		For Class 56 Rating, Add		3,239.37	
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		12,471.04	758.37
		For Class 52 Rating, Deduct		-1,245.42	
		For Class 54 Rating, Add		1,712.09	
		For Class 55 Rating, Add		2,552.38	
		For Class 56 Rating, Add		3,381.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3405 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	12,956.16	761.25
<i>For Class 52 Rating, Deduct</i>	-1,298.30	
<i>For Class 54 Rating, Add</i>	1,784.25	
<i>For Class 55 Rating, Add</i>	2,659.70	
<i>For Class 56 Rating, Add</i>	3,523.34	
40 05 19 00-3406 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	13,441.28	764.13
<i>For Class 52 Rating, Deduct</i>	-1,351.19	
<i>For Class 54 Rating, Add</i>	1,856.42	
<i>For Class 55 Rating, Add</i>	2,767.01	
<i>For Class 56 Rating, Add</i>	3,665.32	
40 05 19 00-3407 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	13,926.40	766.98
<i>For Class 52 Rating, Deduct</i>	-1,404.07	
<i>For Class 54 Rating, Add</i>	1,928.59	
<i>For Class 55 Rating, Add</i>	2,874.33	
<i>For Class 56 Rating, Add</i>	3,807.30	
40 05 19 00-3408 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	14,411.52	769.86
<i>For Class 52 Rating, Deduct</i>	-1,456.96	
<i>For Class 54 Rating, Add</i>	2,000.76	
<i>For Class 55 Rating, Add</i>	2,981.65	
<i>For Class 56 Rating, Add</i>	3,949.29	
40 05 19 00-3409 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	14,896.65	772.74
<i>For Class 52 Rating, Deduct</i>	-1,509.84	
<i>For Class 54 Rating, Add</i>	2,072.93	
<i>For Class 55 Rating, Add</i>	3,088.96	
<i>For Class 56 Rating, Add</i>	4,091.27	
40 05 19 00-3410 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	15,381.77	775.60
<i>For Class 52 Rating, Deduct</i>	-1,562.73	
<i>For Class 54 Rating, Add</i>	2,145.09	
<i>For Class 55 Rating, Add</i>	3,196.28	
<i>For Class 56 Rating, Add</i>	4,233.26	
40 05 19 00-3411 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	15,866.90	778.48
<i>For Class 52 Rating, Deduct</i>	-1,615.61	
<i>For Class 54 Rating, Add</i>	2,217.26	
<i>For Class 55 Rating, Add</i>	3,303.59	
<i>For Class 56 Rating, Add</i>	4,375.24	
40 05 19 00-3412 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	16,352.02	781.35
<i>For Class 52 Rating, Deduct</i>	-1,668.50	
<i>For Class 54 Rating, Add</i>	2,289.43	
<i>For Class 55 Rating, Add</i>	3,410.91	
<i>For Class 56 Rating, Add</i>	4,517.22	
40 05 19 00-3413 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	16,837.14	784.23
<i>For Class 52 Rating, Deduct</i>	-1,721.38	
<i>For Class 54 Rating, Add</i>	2,361.60	
<i>For Class 55 Rating, Add</i>	3,518.23	
<i>For Class 56 Rating, Add</i>	4,659.21	
40 05 19 00-3414 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	17,322.26	787.10
<i>For Class 52 Rating, Deduct</i>	-1,774.27	
<i>For Class 54 Rating, Add</i>	2,433.76	
<i>For Class 55 Rating, Add</i>	3,625.54	
<i>For Class 56 Rating, Add</i>	4,801.19	
40 05 19 00-3415 EA 20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	17,807.38	789.97
<i>For Class 52 Rating, Deduct</i>	-1,827.15	
<i>For Class 54 Rating, Add</i>	2,505.93	
<i>For Class 55 Rating, Add</i>	3,732.86	
<i>For Class 56 Rating, Add</i>	4,943.17	
40 05 19 00-3416 EA 20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	18,292.50	792.84
<i>For Class 52 Rating, Deduct</i>	-1,880.04	
<i>For Class 54 Rating, Add</i>	2,578.10	
<i>For Class 55 Rating, Add</i>	3,840.17	
<i>For Class 56 Rating, Add</i>	5,085.16	
40 05 19 00-3417 EA 20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	18,777.63	795.71
<i>For Class 52 Rating, Deduct</i>	-1,932.92	
<i>For Class 54 Rating, Add</i>	2,650.27	
<i>For Class 55 Rating, Add</i>	3,947.49	
<i>For Class 56 Rating, Add</i>	5,227.14	
40 05 19 00-3418 EA 20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	19,262.75	798.59
<i>For Class 52 Rating, Deduct</i>	-1,985.80	
<i>For Class 54 Rating, Add</i>	2,722.44	
<i>For Class 55 Rating, Add</i>	4,054.81	
<i>For Class 56 Rating, Add</i>	5,369.13	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3419	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,747.88	801.46
			<i>For Class 52 Rating, Deduct</i>	-2,038.69	
			<i>For Class 54 Rating, Add</i>	2,794.60	
			<i>For Class 55 Rating, Add</i>	4,162.12	
			<i>For Class 56 Rating, Add</i>	5,511.11	
40 05 19 00-3420	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,233.00	804.34
			<i>For Class 52 Rating, Deduct</i>	-2,091.57	
			<i>For Class 54 Rating, Add</i>	2,866.77	
			<i>For Class 55 Rating, Add</i>	4,269.44	
			<i>For Class 56 Rating, Add</i>	5,653.09	
40 05 19 00-3421	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,718.12	807.20
			<i>For Class 52 Rating, Deduct</i>	-2,144.46	
			<i>For Class 54 Rating, Add</i>	2,938.94	
			<i>For Class 55 Rating, Add</i>	4,376.76	
			<i>For Class 56 Rating, Add</i>	5,795.08	
40 05 19 00-3422	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,203.24	810.08
			<i>For Class 52 Rating, Deduct</i>	-2,197.34	
			<i>For Class 54 Rating, Add</i>	3,011.11	
			<i>For Class 55 Rating, Add</i>	4,484.07	
			<i>For Class 56 Rating, Add</i>	5,937.06	
40 05 19 00-3423	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,688.36	812.95
			<i>For Class 52 Rating, Deduct</i>	-2,250.23	
			<i>For Class 54 Rating, Add</i>	3,083.27	
			<i>For Class 55 Rating, Add</i>	4,591.39	
			<i>For Class 56 Rating, Add</i>	6,079.05	
40 05 19 00-3424	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,173.48	815.82
			<i>For Class 52 Rating, Deduct</i>	-2,303.11	
			<i>For Class 54 Rating, Add</i>	3,155.44	
			<i>For Class 55 Rating, Add</i>	4,698.70	
			<i>For Class 56 Rating, Add</i>	6,221.03	
40 05 19 00-3425			24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3426	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,201.41	838.80
			<i>For Class 52 Rating, Deduct</i>	-432.36	
			<i>For Class 54 Rating, Add</i>	604.83	
			<i>For Class 55 Rating, Add</i>	907.00	
			<i>For Class 56 Rating, Add</i>	1,205.25	
40 05 19 00-3427	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,801.81	841.68
			<i>For Class 52 Rating, Deduct</i>	-497.92	
			<i>For Class 54 Rating, Add</i>	694.29	
			<i>For Class 55 Rating, Add</i>	1,040.03	
			<i>For Class 56 Rating, Add</i>	1,381.24	
40 05 19 00-3428	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,402.22	844.56
			<i>For Class 52 Rating, Deduct</i>	-563.48	
			<i>For Class 54 Rating, Add</i>	783.74	
			<i>For Class 55 Rating, Add</i>	1,173.05	
			<i>For Class 56 Rating, Add</i>	1,557.23	
40 05 19 00-3429	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,002.61	847.41
			<i>For Class 52 Rating, Deduct</i>	-629.05	
			<i>For Class 54 Rating, Add</i>	873.20	
			<i>For Class 55 Rating, Add</i>	1,306.07	
			<i>For Class 56 Rating, Add</i>	1,733.22	
40 05 19 00-3430	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,603.00	850.29
			<i>For Class 52 Rating, Deduct</i>	-694.61	
			<i>For Class 54 Rating, Add</i>	962.66	
			<i>For Class 55 Rating, Add</i>	1,439.09	
			<i>For Class 56 Rating, Add</i>	1,909.21	
40 05 19 00-3431	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,203.40	853.17
			<i>For Class 52 Rating, Deduct</i>	-760.18	
			<i>For Class 54 Rating, Add</i>	1,052.12	
			<i>For Class 55 Rating, Add</i>	1,572.11	
			<i>For Class 56 Rating, Add</i>	2,085.20	
40 05 19 00-3432	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,803.79	856.05
			<i>For Class 52 Rating, Deduct</i>	-825.74	
			<i>For Class 54 Rating, Add</i>	1,141.58	
			<i>For Class 55 Rating, Add</i>	1,705.14	
			<i>For Class 56 Rating, Add</i>	2,261.19	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3433	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,404.18	858.90
			For Class 52 Rating, Deduct	-891.31	
			For Class 54 Rating, Add	1,231.04	
			For Class 55 Rating, Add	1,838.16	
			For Class 56 Rating, Add	2,437.18	
40 05 19 00-3434	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,004.57	861.78
			For Class 52 Rating, Deduct	-956.87	
			For Class 54 Rating, Add	1,320.49	
			For Class 55 Rating, Add	1,971.18	
			For Class 56 Rating, Add	2,613.16	
40 05 19 00-3435	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,604.97	864.66
			For Class 52 Rating, Deduct	-1,022.44	
			For Class 54 Rating, Add	1,409.95	
			For Class 55 Rating, Add	2,104.20	
			For Class 56 Rating, Add	2,789.16	
40 05 19 00-3436	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,205.37	867.53
			For Class 52 Rating, Deduct	-1,088.00	
			For Class 54 Rating, Add	1,499.41	
			For Class 55 Rating, Add	2,237.22	
			For Class 56 Rating, Add	2,965.14	
40 05 19 00-3437	EA		24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,805.77	870.41
			For Class 52 Rating, Deduct	-1,153.57	
			For Class 54 Rating, Add	1,588.87	
			For Class 55 Rating, Add	2,370.25	
			For Class 56 Rating, Add	3,141.13	
40 05 19 00-3438	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,406.16	873.27
			For Class 52 Rating, Deduct	-1,219.13	
			For Class 54 Rating, Add	1,678.33	
			For Class 55 Rating, Add	2,503.27	
			For Class 56 Rating, Add	3,317.12	
40 05 19 00-3439	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,006.55	876.15
			For Class 52 Rating, Deduct	-1,284.70	
			For Class 54 Rating, Add	1,767.79	
			For Class 55 Rating, Add	2,636.29	
			For Class 56 Rating, Add	3,493.11	
40 05 19 00-3440	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,606.95	879.02
			For Class 52 Rating, Deduct	-1,350.26	
			For Class 54 Rating, Add	1,857.25	
			For Class 55 Rating, Add	2,769.31	
			For Class 56 Rating, Add	3,669.10	
40 05 19 00-3441	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,207.34	881.90
			For Class 52 Rating, Deduct	-1,415.83	
			For Class 54 Rating, Add	1,946.71	
			For Class 55 Rating, Add	2,902.33	
			For Class 56 Rating, Add	3,845.09	
40 05 19 00-3442	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,807.73	884.77
			For Class 52 Rating, Deduct	-1,481.39	
			For Class 54 Rating, Add	2,036.16	
			For Class 55 Rating, Add	3,035.35	
			For Class 56 Rating, Add	4,021.08	
40 05 19 00-3443	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	15,408.12	887.63
			For Class 52 Rating, Deduct	-1,546.95	
			For Class 54 Rating, Add	2,125.62	
			For Class 55 Rating, Add	3,168.38	
			For Class 56 Rating, Add	4,197.07	
40 05 19 00-3444	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	16,008.53	890.51
			For Class 52 Rating, Deduct	-1,612.52	
			For Class 54 Rating, Add	2,215.08	
			For Class 55 Rating, Add	3,301.40	
			For Class 56 Rating, Add	4,373.06	
40 05 19 00-3445	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	16,608.93	893.39
			For Class 52 Rating, Deduct	-1,678.08	
			For Class 54 Rating, Add	2,304.54	
			For Class 55 Rating, Add	3,434.42	
			For Class 56 Rating, Add	4,549.05	
40 05 19 00-3446	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	17,209.32	896.26
			For Class 52 Rating, Deduct	-1,743.65	
			For Class 54 Rating, Add	2,394.00	
			For Class 55 Rating, Add	3,567.44	
			For Class 56 Rating, Add	4,725.04	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	17,809.71		899.12
		For Class 52 Rating, Deduct	-1,809.21		
		For Class 54 Rating, Add	2,483.46		
		For Class 55 Rating, Add	3,700.46		
		For Class 56 Rating, Add	4,901.02		
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	18,410.10		902.00
		For Class 52 Rating, Deduct	-1,874.78		
		For Class 54 Rating, Add	2,572.91		
		For Class 55 Rating, Add	3,833.48		
		For Class 56 Rating, Add	5,077.01		
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	19,010.50		904.88
		For Class 52 Rating, Deduct	-1,940.34		
		For Class 54 Rating, Add	2,662.37		
		For Class 55 Rating, Add	3,966.51		
		For Class 56 Rating, Add	5,253.00		
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	19,610.89		907.75
		For Class 52 Rating, Deduct	-2,005.91		
		For Class 54 Rating, Add	2,751.83		
		For Class 55 Rating, Add	4,099.53		
		For Class 56 Rating, Add	5,428.99		
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	20,211.28		910.62
		For Class 52 Rating, Deduct	-2,071.47		
		For Class 54 Rating, Add	2,841.29		
		For Class 55 Rating, Add	4,232.55		
		For Class 56 Rating, Add	5,604.98		
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	20,811.68		913.49
		For Class 52 Rating, Deduct	-2,137.04		
		For Class 54 Rating, Add	2,930.75		
		For Class 55 Rating, Add	4,365.57		
		For Class 56 Rating, Add	5,780.97		
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	21,412.08		916.37
		For Class 52 Rating, Deduct	-2,202.60		
		For Class 54 Rating, Add	3,020.21		
		For Class 55 Rating, Add	4,498.60		
		For Class 56 Rating, Add	5,956.96		
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	22,012.48		919.23
		For Class 52 Rating, Deduct	-2,268.17		
		For Class 54 Rating, Add	3,109.67		
		For Class 55 Rating, Add	4,631.62		
		For Class 56 Rating, Add	6,132.95		
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	22,686.86		970.94
		For Class 52 Rating, Deduct	-2,333.73		
		For Class 54 Rating, Add	3,200.01		
		For Class 55 Rating, Add	4,766.41		
		For Class 56 Rating, Add	6,311.60		
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	23,287.25		973.82
		For Class 52 Rating, Deduct	-2,399.29		
		For Class 54 Rating, Add	3,289.47		
		For Class 55 Rating, Add	4,899.44		
		For Class 56 Rating, Add	6,487.59		
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	23,887.64		976.70
		For Class 52 Rating, Deduct	-2,464.86		
		For Class 54 Rating, Add	3,378.93		
		For Class 55 Rating, Add	5,032.46		
		For Class 56 Rating, Add	6,663.58		
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	24,488.05		979.56
		For Class 52 Rating, Deduct	-2,530.42		
		For Class 54 Rating, Add	3,468.39		
		For Class 55 Rating, Add	5,165.48		
		For Class 56 Rating, Add	6,839.57		
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	25,088.44		982.43
		For Class 52 Rating, Deduct	-2,595.99		
		For Class 54 Rating, Add	3,557.85		
		For Class 55 Rating, Add	5,298.50		
		For Class 56 Rating, Add	7,015.56		
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	28,500.35		985.31
		For Class 52 Rating, Deduct	-2,970.82		
		For Class 54 Rating, Add	4,069.03		
		For Class 55 Rating, Add	6,058.49		
		For Class 56 Rating, Add	8,020.94		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3461 EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,289.22	988.19
<i>For Class 52 Rating, Deduct</i>	-2,727.12	
<i>For Class 54 Rating, Add</i>	3,736.76	
<i>For Class 55 Rating, Add</i>	5,564.55	
<i>For Class 56 Rating, Add</i>	7,367.53	
40 05 19 00-3462 EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,889.63	991.05
<i>For Class 52 Rating, Deduct</i>	-2,792.68	
<i>For Class 54 Rating, Add</i>	3,826.22	
<i>For Class 55 Rating, Add</i>	5,697.57	
<i>For Class 56 Rating, Add</i>	7,543.53	
40 05 19 00-3463 EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,490.02	993.92
<i>For Class 52 Rating, Deduct</i>	-2,858.25	
<i>For Class 54 Rating, Add</i>	3,915.68	
<i>For Class 55 Rating, Add</i>	5,830.59	
<i>For Class 56 Rating, Add</i>	7,719.51	
40 05 19 00-3464 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3465 EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,805.14	1,183.52
<i>For Class 52 Rating, Deduct</i>	-771.31	
<i>For Class 54 Rating, Add</i>	1,073.31	
<i>For Class 55 Rating, Add</i>	1,606.70	
<i>For Class 56 Rating, Add</i>	2,133.07	
40 05 19 00-3466 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,664.20	1,186.39
<i>For Class 52 Rating, Deduct</i>	-865.33	
<i>For Class 54 Rating, Add</i>	1,201.57	
<i>For Class 55 Rating, Add</i>	1,797.40	
<i>For Class 56 Rating, Add</i>	2,385.37	
40 05 19 00-3467 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,523.26	1,189.27
<i>For Class 52 Rating, Deduct</i>	-959.35	
<i>For Class 54 Rating, Add</i>	1,329.82	
<i>For Class 55 Rating, Add</i>	1,988.10	
<i>For Class 56 Rating, Add</i>	2,637.66	
40 05 19 00-3468 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,382.31	1,192.13
<i>For Class 52 Rating, Deduct</i>	-1,053.36	
<i>For Class 54 Rating, Add</i>	1,458.08	
<i>For Class 55 Rating, Add</i>	2,178.81	
<i>For Class 56 Rating, Add</i>	2,889.96	
40 05 19 00-3469 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,241.36	1,195.01
<i>For Class 52 Rating, Deduct</i>	-1,147.38	
<i>For Class 54 Rating, Add</i>	1,586.34	
<i>For Class 55 Rating, Add</i>	2,369.51	
<i>For Class 56 Rating, Add</i>	3,142.25	
40 05 19 00-3470 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,100.41	1,197.88
<i>For Class 52 Rating, Deduct</i>	-1,241.40	
<i>For Class 54 Rating, Add</i>	1,714.60	
<i>For Class 55 Rating, Add</i>	2,560.21	
<i>For Class 56 Rating, Add</i>	3,394.54	
40 05 19 00-3471 EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,959.46	1,200.76
<i>For Class 52 Rating, Deduct</i>	-1,335.42	
<i>For Class 54 Rating, Add</i>	1,842.85	
<i>For Class 55 Rating, Add</i>	2,750.91	
<i>For Class 56 Rating, Add</i>	3,646.84	
40 05 19 00-3472 EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,818.52	1,203.63
<i>For Class 52 Rating, Deduct</i>	-1,429.43	
<i>For Class 54 Rating, Add</i>	1,971.11	
<i>For Class 55 Rating, Add</i>	2,941.62	
<i>For Class 56 Rating, Add</i>	3,899.13	
40 05 19 00-3473 EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,677.58	1,206.49
<i>For Class 52 Rating, Deduct</i>	-1,523.45	
<i>For Class 54 Rating, Add</i>	2,099.37	
<i>For Class 55 Rating, Add</i>	3,132.32	
<i>For Class 56 Rating, Add</i>	4,151.43	
40 05 19 00-3474 EA 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,536.63	1,209.37
<i>For Class 52 Rating, Deduct</i>	-1,617.47	
<i>For Class 54 Rating, Add</i>	2,227.63	
<i>For Class 55 Rating, Add</i>	3,323.02	
<i>For Class 56 Rating, Add</i>	4,403.72	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3475	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	17,395.69	1,212.25
			For Class 52 Rating, Deduct	-1,711.48	
			For Class 54 Rating, Add	2,355.88	
			For Class 55 Rating, Add	3,513.73	
			For Class 56 Rating, Add	4,656.01	
40 05 19 00-3476	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,254.74	1,215.12
			For Class 52 Rating, Deduct	-1,805.50	
			For Class 54 Rating, Add	2,484.14	
			For Class 55 Rating, Add	3,704.43	
			For Class 56 Rating, Add	4,908.31	
40 05 19 00-3477	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,113.80	1,217.98
			For Class 52 Rating, Deduct	-1,899.52	
			For Class 54 Rating, Add	2,612.40	
			For Class 55 Rating, Add	3,895.13	
			For Class 56 Rating, Add	5,160.60	
40 05 19 00-3478	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,972.85	1,220.86
			For Class 52 Rating, Deduct	-1,993.54	
			For Class 54 Rating, Add	2,740.66	
			For Class 55 Rating, Add	4,085.84	
			For Class 56 Rating, Add	5,412.90	
40 05 19 00-3479	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,831.90	1,223.74
			For Class 52 Rating, Deduct	-2,087.55	
			For Class 54 Rating, Add	2,868.91	
			For Class 55 Rating, Add	4,276.54	
			For Class 56 Rating, Add	5,665.19	
40 05 19 00-3480	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,690.96	1,226.60
			For Class 52 Rating, Deduct	-2,181.57	
			For Class 54 Rating, Add	2,997.17	
			For Class 55 Rating, Add	4,467.24	
			For Class 56 Rating, Add	5,917.48	
40 05 19 00-3481	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,550.01	1,229.48
			For Class 52 Rating, Deduct	-2,275.59	
			For Class 54 Rating, Add	3,125.43	
			For Class 55 Rating, Add	4,657.95	
			For Class 56 Rating, Add	6,169.77	
40 05 19 00-3482	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,409.07	1,232.35
			For Class 52 Rating, Deduct	-2,369.61	
			For Class 54 Rating, Add	3,253.69	
			For Class 55 Rating, Add	4,848.65	
			For Class 56 Rating, Add	6,422.07	
40 05 19 00-3483	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,268.12	1,235.23
			For Class 52 Rating, Deduct	-2,463.62	
			For Class 54 Rating, Add	3,381.94	
			For Class 55 Rating, Add	5,039.35	
			For Class 56 Rating, Add	6,674.36	
40 05 19 00-3484	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,127.18	1,238.09
			For Class 52 Rating, Deduct	-2,557.64	
			For Class 54 Rating, Add	3,510.20	
			For Class 55 Rating, Add	5,230.06	
			For Class 56 Rating, Add	6,926.66	
40 05 19 00-3485	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,986.23	1,240.97
			For Class 52 Rating, Deduct	-2,651.66	
			For Class 54 Rating, Add	3,638.46	
			For Class 55 Rating, Add	5,420.76	
			For Class 56 Rating, Add	7,178.95	
40 05 19 00-3486	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	26,845.28	1,243.85
			For Class 52 Rating, Deduct	-2,745.67	
			For Class 54 Rating, Add	3,766.72	
			For Class 55 Rating, Add	5,611.46	
			For Class 56 Rating, Add	7,431.24	
40 05 19 00-3487	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	27,704.34	1,246.71
			For Class 52 Rating, Deduct	-2,839.69	
			For Class 54 Rating, Add	3,894.97	
			For Class 55 Rating, Add	5,802.16	
			For Class 56 Rating, Add	7,683.54	
40 05 19 00-3488	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,563.40	1,249.58
			For Class 52 Rating, Deduct	-2,933.71	
			For Class 54 Rating, Add	4,023.23	
			For Class 55 Rating, Add	5,992.87	
			For Class 56 Rating, Add	7,935.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3489 EA 30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,422.45	1,252.46
<i>For Class 52 Rating, Deduct</i>	-3,027.73	
<i>For Class 54 Rating, Add</i>	4,151.49	
<i>For Class 55 Rating, Add</i>	6,183.57	
<i>For Class 56 Rating, Add</i>	8,188.13	
40 05 19 00-3490 EA 30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,281.50	1,255.34
<i>For Class 52 Rating, Deduct</i>	-3,121.74	
<i>For Class 54 Rating, Add</i>	4,279.75	
<i>For Class 55 Rating, Add</i>	6,374.27	
<i>For Class 56 Rating, Add</i>	8,440.42	
40 05 19 00-3491 EA 30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,140.55	1,258.20
<i>For Class 52 Rating, Deduct</i>	-3,215.76	
<i>For Class 54 Rating, Add</i>	4,408.00	
<i>For Class 55 Rating, Add</i>	6,564.98	
<i>For Class 56 Rating, Add</i>	8,692.71	
40 05 19 00-3492 EA 30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,999.62	1,261.08
<i>For Class 52 Rating, Deduct</i>	-3,309.78	
<i>For Class 54 Rating, Add</i>	4,536.26	
<i>For Class 55 Rating, Add</i>	6,755.68	
<i>For Class 56 Rating, Add</i>	8,945.01	
40 05 19 00-3493 EA 30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,858.67	1,263.95
<i>For Class 52 Rating, Deduct</i>	-3,403.79	
<i>For Class 54 Rating, Add</i>	4,664.52	
<i>For Class 55 Rating, Add</i>	6,946.38	
<i>For Class 56 Rating, Add</i>	9,197.30	
40 05 19 00-3494 EA 30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,717.72	1,266.83
<i>For Class 52 Rating, Deduct</i>	-3,497.81	
<i>For Class 54 Rating, Add</i>	4,792.78	
<i>For Class 55 Rating, Add</i>	7,137.08	
<i>For Class 56 Rating, Add</i>	9,449.60	
40 05 19 00-3495 EA 30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,576.77	1,269.70
<i>For Class 52 Rating, Deduct</i>	-3,591.83	
<i>For Class 54 Rating, Add</i>	4,921.03	
<i>For Class 55 Rating, Add</i>	7,327.79	
<i>For Class 56 Rating, Add</i>	9,701.89	
40 05 19 00-3496 EA 30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,435.84	1,272.57
<i>For Class 52 Rating, Deduct</i>	-3,685.85	
<i>For Class 54 Rating, Add</i>	5,049.29	
<i>For Class 55 Rating, Add</i>	7,518.49	
<i>For Class 56 Rating, Add</i>	9,954.18	
40 05 19 00-3497 EA 30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,294.89	1,275.44
<i>For Class 52 Rating, Deduct</i>	-3,779.86	
<i>For Class 54 Rating, Add</i>	5,177.55	
<i>For Class 55 Rating, Add</i>	7,709.19	
<i>For Class 56 Rating, Add</i>	10,206.48	
40 05 19 00-3498 EA 30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,153.94	1,278.31
<i>For Class 52 Rating, Deduct</i>	-3,873.88	
<i>For Class 54 Rating, Add</i>	5,305.81	
<i>For Class 55 Rating, Add</i>	7,899.90	
<i>For Class 56 Rating, Add</i>	10,458.77	
40 05 19 00-3499 EA 30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,012.99	1,281.19
<i>For Class 52 Rating, Deduct</i>	-3,967.90	
<i>For Class 54 Rating, Add</i>	5,434.06	
<i>For Class 55 Rating, Add</i>	8,090.60	
<i>For Class 56 Rating, Add</i>	10,711.06	
40 05 19 00-3500 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3501 EA 36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,004.56	1,499.50
<i>For Class 52 Rating, Deduct</i>	-960.58	
<i>For Class 54 Rating, Add</i>	1,337.15	
<i>For Class 55 Rating, Add</i>	2,001.89	
<i>For Class 56 Rating, Add</i>	2,657.90	
40 05 19 00-3502 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,156.01	1,502.38
<i>For Class 52 Rating, Deduct</i>	-1,086.76	
<i>For Class 54 Rating, Add</i>	1,509.27	
<i>For Class 55 Rating, Add</i>	2,257.80	
<i>For Class 56 Rating, Add</i>	2,996.45	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3503	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,307.47	1,505.25
			For Class 52 Rating, Deduct	-1,212.95	
			For Class 54 Rating, Add	1,681.39	
			For Class 55 Rating, Add	2,513.71	
			For Class 56 Rating, Add	3,335.00	
40 05 19 00-3504	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,458.92	1,508.13
			For Class 52 Rating, Deduct	-1,339.13	
			For Class 54 Rating, Add	1,853.50	
			For Class 55 Rating, Add	2,769.62	
			For Class 56 Rating, Add	3,673.56	
40 05 19 00-3505	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	15,610.37	1,511.00
			For Class 52 Rating, Deduct	-1,465.31	
			For Class 54 Rating, Add	2,025.62	
			For Class 55 Rating, Add	3,025.52	
			For Class 56 Rating, Add	4,012.11	
40 05 19 00-3506	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	16,761.82	1,513.86
			For Class 52 Rating, Deduct	-1,591.49	
			For Class 54 Rating, Add	2,197.74	
			For Class 55 Rating, Add	3,281.43	
			For Class 56 Rating, Add	4,350.66	
40 05 19 00-3507	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	17,913.27	1,516.74
			For Class 52 Rating, Deduct	-1,717.67	
			For Class 54 Rating, Add	2,369.85	
			For Class 55 Rating, Add	3,537.34	
			For Class 56 Rating, Add	4,689.21	
40 05 19 00-3508	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,064.73	1,519.62
			For Class 52 Rating, Deduct	-1,843.85	
			For Class 54 Rating, Add	2,541.97	
			For Class 55 Rating, Add	3,793.25	
			For Class 56 Rating, Add	5,027.76	
40 05 19 00-3509	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,216.18	1,522.50
			For Class 52 Rating, Deduct	-1,970.03	
			For Class 54 Rating, Add	2,714.09	
			For Class 55 Rating, Add	4,049.15	
			For Class 56 Rating, Add	5,366.31	
40 05 19 00-3510	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,367.63	1,525.35
			For Class 52 Rating, Deduct	-2,096.21	
			For Class 54 Rating, Add	2,886.21	
			For Class 55 Rating, Add	4,305.06	
			For Class 56 Rating, Add	5,704.86	
40 05 19 00-3511	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,519.08	1,528.23
			For Class 52 Rating, Deduct	-2,222.39	
			For Class 54 Rating, Add	3,058.32	
			For Class 55 Rating, Add	4,560.97	
			For Class 56 Rating, Add	6,043.41	
40 05 19 00-3512	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,670.54	1,531.11
			For Class 52 Rating, Deduct	-2,348.57	
			For Class 54 Rating, Add	3,230.44	
			For Class 55 Rating, Add	4,816.88	
			For Class 56 Rating, Add	6,381.97	
40 05 19 00-3513	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,821.99	1,533.97
			For Class 52 Rating, Deduct	-2,474.76	
			For Class 54 Rating, Add	3,402.56	
			For Class 55 Rating, Add	5,072.79	
			For Class 56 Rating, Add	6,720.52	
40 05 19 00-3514	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,973.44	1,536.85
			For Class 52 Rating, Deduct	-2,600.94	
			For Class 54 Rating, Add	3,574.67	
			For Class 55 Rating, Add	5,328.69	
			For Class 56 Rating, Add	7,059.07	
40 05 19 00-3515	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	27,124.89	1,539.72
			For Class 52 Rating, Deduct	-2,727.12	
			For Class 54 Rating, Add	3,746.79	
			For Class 55 Rating, Add	5,584.60	
			For Class 56 Rating, Add	7,397.62	
40 05 19 00-3516	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,276.35	1,542.60
			For Class 52 Rating, Deduct	-2,853.30	
			For Class 54 Rating, Add	3,918.91	
			For Class 55 Rating, Add	5,840.51	
			For Class 56 Rating, Add	7,736.17	



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3517 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	29,427.80	1,545.46
<i>For Class 52 Rating, Deduct</i>	-2,979.48	
<i>For Class 54 Rating, Add</i>	4,091.03	
<i>For Class 55 Rating, Add</i>	6,096.42	
<i>For Class 56 Rating, Add</i>	8,074.72	
40 05 19 00-3518 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	30,579.25	1,548.34
<i>For Class 52 Rating, Deduct</i>	-3,105.66	
<i>For Class 54 Rating, Add</i>	4,263.14	
<i>For Class 55 Rating, Add</i>	6,352.32	
<i>For Class 56 Rating, Add</i>	8,413.27	
40 05 19 00-3519 EA 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	31,730.70	1,551.22
<i>For Class 52 Rating, Deduct</i>	-3,231.84	
<i>For Class 54 Rating, Add</i>	4,435.26	
<i>For Class 55 Rating, Add</i>	6,608.23	
<i>For Class 56 Rating, Add</i>	8,751.82	
40 05 19 00-3520 EA 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	32,882.16	1,554.09
<i>For Class 52 Rating, Deduct</i>	-3,358.02	
<i>For Class 54 Rating, Add</i>	4,607.38	
<i>For Class 55 Rating, Add</i>	6,864.14	
<i>For Class 56 Rating, Add</i>	9,090.38	
40 05 19 00-3521 EA 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	34,033.61	1,556.96
<i>For Class 52 Rating, Deduct</i>	-3,484.20	
<i>For Class 54 Rating, Add</i>	4,779.50	
<i>For Class 55 Rating, Add</i>	7,120.05	
<i>For Class 56 Rating, Add</i>	9,428.93	
40 05 19 00-3522 EA 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	35,185.06	1,559.83
<i>For Class 52 Rating, Deduct</i>	-3,610.38	
<i>For Class 54 Rating, Add</i>	4,951.61	
<i>For Class 55 Rating, Add</i>	7,375.96	
<i>For Class 56 Rating, Add</i>	9,767.48	
40 05 19 00-3523 EA 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	36,336.51	1,562.71
<i>For Class 52 Rating, Deduct</i>	-3,736.57	
<i>For Class 54 Rating, Add</i>	5,123.73	
<i>For Class 55 Rating, Add</i>	7,631.86	
<i>For Class 56 Rating, Add</i>	10,106.03	
40 05 19 00-3524 EA 36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	37,487.97	1,565.57
<i>For Class 52 Rating, Deduct</i>	-3,862.75	
<i>For Class 54 Rating, Add</i>	5,295.85	
<i>For Class 55 Rating, Add</i>	7,887.77	
<i>For Class 56 Rating, Add</i>	10,444.58	
40 05 19 00-3525 EA 36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	38,639.42	1,568.45
<i>For Class 52 Rating, Deduct</i>	-3,988.93	
<i>For Class 54 Rating, Add</i>	5,467.96	
<i>For Class 55 Rating, Add</i>	8,143.68	
<i>For Class 56 Rating, Add</i>	10,783.13	
40 05 19 00-3526 EA 36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	39,790.88	1,571.32
<i>For Class 52 Rating, Deduct</i>	-4,115.11	
<i>For Class 54 Rating, Add</i>	5,640.08	
<i>For Class 55 Rating, Add</i>	8,399.59	
<i>For Class 56 Rating, Add</i>	11,121.68	
40 05 19 00-3527 EA 36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	40,942.33	1,574.20
<i>For Class 52 Rating, Deduct</i>	-4,241.29	
<i>For Class 54 Rating, Add</i>	5,812.20	
<i>For Class 55 Rating, Add</i>	8,655.50	
<i>For Class 56 Rating, Add</i>	11,460.24	
40 05 19 00-3528 EA 36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	42,093.78	1,577.07
<i>For Class 52 Rating, Deduct</i>	-4,367.47	
<i>For Class 54 Rating, Add</i>	5,984.32	
<i>For Class 55 Rating, Add</i>	8,911.40	
<i>For Class 56 Rating, Add</i>	11,798.79	
40 05 19 00-3529 EA 36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	43,245.24	1,579.94
<i>For Class 52 Rating, Deduct</i>	-4,493.65	
<i>For Class 54 Rating, Add</i>	6,156.43	
<i>For Class 55 Rating, Add</i>	9,167.31	
<i>For Class 56 Rating, Add</i>	12,137.34	
40 05 19 00-3530 EA 36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	44,396.69	1,582.81
<i>For Class 52 Rating, Deduct</i>	-4,619.83	
<i>For Class 54 Rating, Add</i>	6,328.55	
<i>For Class 55 Rating, Add</i>	9,423.22	
<i>For Class 56 Rating, Add</i>	12,475.89	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3531	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,548.14	1,585.68
			<i>For Class 52 Rating, Deduct</i>	-4,746.01	
			<i>For Class 54 Rating, Add</i>	6,500.67	
			<i>For Class 55 Rating, Add</i>	9,679.13	
			<i>For Class 56 Rating, Add</i>	12,814.44	
40 05 19 00-3532	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,699.60	1,588.56
			<i>For Class 52 Rating, Deduct</i>	-4,872.20	
			<i>For Class 54 Rating, Add</i>	6,672.79	
			<i>For Class 55 Rating, Add</i>	9,935.04	
			<i>For Class 56 Rating, Add</i>	13,152.99	
40 05 19 00-3533	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	47,851.05	1,591.43
			<i>For Class 52 Rating, Deduct</i>	-4,998.38	
			<i>For Class 54 Rating, Add</i>	6,844.90	
			<i>For Class 55 Rating, Add</i>	10,190.94	
			<i>For Class 56 Rating, Add</i>	13,491.54	
40 05 19 00-3534	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	49,002.50	1,594.30
			<i>For Class 52 Rating, Deduct</i>	-5,124.56	
			<i>For Class 54 Rating, Add</i>	7,017.02	
			<i>For Class 55 Rating, Add</i>	10,446.85	
			<i>For Class 56 Rating, Add</i>	13,830.09	
40 05 19 00-3535	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	50,153.95	1,597.17
			<i>For Class 52 Rating, Deduct</i>	-5,250.74	
			<i>For Class 54 Rating, Add</i>	7,189.14	
			<i>For Class 55 Rating, Add</i>	10,702.76	
			<i>For Class 56 Rating, Add</i>	14,168.65	
40 05 19 00-3536 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)					
40 05 19 00-3537	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,571.08	1,890.18
			<i>For Class 52 Rating, Deduct</i>	-1,287.79	
			<i>For Class 54 Rating, Add</i>	1,790.44	
			<i>For Class 55 Rating, Add</i>	2,679.43	
			<i>For Class 56 Rating, Add</i>	3,556.72	
40 05 19 00-3538	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,267.96	1,893.05
			<i>For Class 52 Rating, Deduct</i>	-1,473.97	
			<i>For Class 54 Rating, Add</i>	2,044.37	
			<i>For Class 55 Rating, Add</i>	3,056.97	
			<i>For Class 56 Rating, Add</i>	4,056.17	
40 05 19 00-3539	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,950.80	1,895.93
			<i>For Class 52 Rating, Deduct</i>	-1,658.60	
			<i>For Class 54 Rating, Add</i>	2,296.20	
			<i>For Class 55 Rating, Add</i>	3,431.38	
			<i>For Class 56 Rating, Add</i>	4,551.48	
40 05 19 00-3540	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,650.50	1,898.80
			<i>For Class 52 Rating, Deduct</i>	-1,845.09	
			<i>For Class 54 Rating, Add</i>	2,550.55	
			<i>For Class 55 Rating, Add</i>	3,809.54	
			<i>For Class 56 Rating, Add</i>	5,051.76	
40 05 19 00-3541	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,338.96	1,901.68
			<i>For Class 52 Rating, Deduct</i>	-2,030.34	
			<i>For Class 54 Rating, Add</i>	2,803.22	
			<i>For Class 55 Rating, Add</i>	4,185.20	
			<i>For Class 56 Rating, Add</i>	5,548.73	
40 05 19 00-3542	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,044.28	1,904.54
			<i>For Class 52 Rating, Deduct</i>	-2,217.45	
			<i>For Class 54 Rating, Add</i>	3,058.42	
			<i>For Class 55 Rating, Add</i>	4,564.62	
			<i>For Class 56 Rating, Add</i>	6,050.67	
40 05 19 00-3543	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,732.73	1,907.42
			<i>For Class 52 Rating, Deduct</i>	-2,402.70	
			<i>For Class 54 Rating, Add</i>	3,311.09	
			<i>For Class 55 Rating, Add</i>	4,940.28	
			<i>For Class 56 Rating, Add</i>	6,547.64	
40 05 19 00-3544	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,440.86	1,910.30
			<i>For Class 52 Rating, Deduct</i>	-2,590.11	
			<i>For Class 54 Rating, Add</i>	3,566.70	
			<i>For Class 55 Rating, Add</i>	5,320.33	
			<i>For Class 56 Rating, Add</i>	7,050.41	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3545 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	28,132.12	1,913.17
<i>For Class 52 Rating, Deduct</i>	-2,775.67	
<i>For Class 54 Rating, Add</i>	3,819.79	
<i>For Class 55 Rating, Add</i>	5,696.62	
<i>For Class 56 Rating, Add</i>	7,548.20	
40 05 19 00-3546 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	29,843.06	1,916.03
<i>For Class 52 Rating, Deduct</i>	-2,963.40	
<i>For Class 54 Rating, Add</i>	4,075.83	
<i>For Class 55 Rating, Add</i>	6,077.29	
<i>For Class 56 Rating, Add</i>	8,051.80	
40 05 19 00-3547 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	31,534.33	1,918.91
<i>For Class 52 Rating, Deduct</i>	-3,148.96	
<i>For Class 54 Rating, Add</i>	4,328.92	
<i>For Class 55 Rating, Add</i>	6,453.58	
<i>For Class 56 Rating, Add</i>	8,549.60	
40 05 19 00-3548 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	33,245.28	1,921.79
<i>For Class 52 Rating, Deduct</i>	-3,336.68	
<i>For Class 54 Rating, Add</i>	4,584.96	
<i>For Class 55 Rating, Add</i>	6,834.25	
<i>For Class 56 Rating, Add</i>	9,053.20	
40 05 19 00-3549 EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	34,939.36	1,924.64
<i>For Class 52 Rating, Deduct</i>	-3,522.55	
<i>For Class 54 Rating, Add</i>	4,838.48	
<i>For Class 55 Rating, Add</i>	7,211.16	
<i>For Class 56 Rating, Add</i>	9,551.83	
40 05 19 00-3550 EA 42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	36,636.25	1,927.52
<i>For Class 52 Rating, Deduct</i>	-3,708.73	
<i>For Class 54 Rating, Add</i>	5,092.41	
<i>For Class 55 Rating, Add</i>	7,588.70	
<i>For Class 56 Rating, Add</i>	10,051.28	
40 05 19 00-3551 EA 42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	38,344.38	1,930.40
<i>For Class 52 Rating, Deduct</i>	-3,896.15	
<i>For Class 54 Rating, Add</i>	5,348.03	
<i>For Class 55 Rating, Add</i>	7,968.75	
<i>For Class 56 Rating, Add</i>	10,554.06	
40 05 19 00-3552 EA 42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	40,038.45	1,933.28
<i>For Class 52 Rating, Deduct</i>	-4,082.02	
<i>For Class 54 Rating, Add</i>	5,601.54	
<i>For Class 55 Rating, Add</i>	8,345.66	
<i>For Class 56 Rating, Add</i>	11,052.68	
40 05 19 00-3553 EA 42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	41,752.21	1,936.15
<i>For Class 52 Rating, Deduct</i>	-4,270.05	
<i>For Class 54 Rating, Add</i>	5,858.00	
<i>For Class 55 Rating, Add</i>	8,726.97	
<i>For Class 56 Rating, Add</i>	11,557.11	
40 05 19 00-3554 EA 42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	43,449.09	1,939.01
<i>For Class 52 Rating, Deduct</i>	-4,456.23	
<i>For Class 54 Rating, Add</i>	6,111.93	
<i>For Class 55 Rating, Add</i>	9,104.50	
<i>For Class 56 Rating, Add</i>	12,056.57	
40 05 19 00-3555 EA 42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	45,160.03	1,941.89
<i>For Class 52 Rating, Deduct</i>	-4,643.96	
<i>For Class 54 Rating, Add</i>	6,367.97	
<i>For Class 55 Rating, Add</i>	9,485.18	
<i>For Class 56 Rating, Add</i>	12,560.17	
40 05 19 00-3556 EA 42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	46,856.93	1,944.76
<i>For Class 52 Rating, Deduct</i>	-4,830.14	
<i>For Class 54 Rating, Add</i>	6,621.91	
<i>For Class 55 Rating, Add</i>	9,862.72	
<i>For Class 56 Rating, Add</i>	13,059.62	
40 05 19 00-3557 EA 42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	48,570.69	1,947.64
<i>For Class 52 Rating, Deduct</i>	-5,018.17	
<i>For Class 54 Rating, Add</i>	6,878.37	
<i>For Class 55 Rating, Add</i>	10,244.02	
<i>For Class 56 Rating, Add</i>	13,564.05	
40 05 19 00-3558 EA 42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	50,267.58	1,950.51
<i>For Class 52 Rating, Deduct</i>	-5,204.35	
<i>For Class 54 Rating, Add</i>	7,132.30	
<i>For Class 55 Rating, Add</i>	10,621.56	
<i>For Class 56 Rating, Add</i>	14,063.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	51,981.33		1,953.38
		<i>For Class 52 Rating, Deduct</i>	-5,392.38		
		<i>For Class 54 Rating, Add</i>	7,388.77		
		<i>For Class 55 Rating, Add</i>	11,002.86		
		<i>For Class 56 Rating, Add</i>	14,567.94		
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	53,675.41		1,956.25
		<i>For Class 52 Rating, Deduct</i>	-5,578.25		
		<i>For Class 54 Rating, Add</i>	7,642.28		
		<i>For Class 55 Rating, Add</i>	11,379.78		
		<i>For Class 56 Rating, Add</i>	15,066.56		
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	55,391.97		1,959.13
		<i>For Class 52 Rating, Deduct</i>	-5,766.60		
		<i>For Class 54 Rating, Add</i>	7,899.16		
		<i>For Class 55 Rating, Add</i>	11,761.70		
		<i>For Class 56 Rating, Add</i>	15,571.82		
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	57,088.86		1,962.00
		<i>For Class 52 Rating, Deduct</i>	-5,952.78		
		<i>For Class 54 Rating, Add</i>	8,153.09		
		<i>For Class 55 Rating, Add</i>	12,139.24		
		<i>For Class 56 Rating, Add</i>	16,071.28		
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	58,799.80		1,964.86
		<i>For Class 52 Rating, Deduct</i>	-6,140.50		
		<i>For Class 54 Rating, Add</i>	8,409.13		
		<i>For Class 55 Rating, Add</i>	12,519.92		
		<i>For Class 56 Rating, Add</i>	16,574.88		
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	60,499.50		1,967.74
		<i>For Class 52 Rating, Deduct</i>	-6,326.99		
		<i>For Class 54 Rating, Add</i>	8,663.49		
		<i>For Class 55 Rating, Add</i>	12,898.09		
		<i>For Class 56 Rating, Add</i>	17,075.16		
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	61,864.64		1,970.62
		<i>For Class 52 Rating, Deduct</i>	-6,476.67		
		<i>For Class 54 Rating, Add</i>	8,867.66		
		<i>For Class 55 Rating, Add</i>	13,201.64		
		<i>For Class 56 Rating, Add</i>	17,476.75		
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	63,910.16		1,973.49
		<i>For Class 52 Rating, Deduct</i>	-6,701.20		
		<i>For Class 54 Rating, Add</i>	9,173.88		
		<i>For Class 55 Rating, Add</i>	13,656.93		
		<i>For Class 56 Rating, Add</i>	18,079.05		
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	65,604.23		1,976.36
		<i>For Class 52 Rating, Deduct</i>	-6,887.07		
		<i>For Class 54 Rating, Add</i>	9,427.39		
		<i>For Class 55 Rating, Add</i>	14,033.84		
		<i>For Class 56 Rating, Add</i>	18,577.67		
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	67,317.98		1,979.23
		<i>For Class 52 Rating, Deduct</i>	-7,075.11		
		<i>For Class 54 Rating, Add</i>	9,683.86		
		<i>For Class 55 Rating, Add</i>	14,415.14		
		<i>For Class 56 Rating, Add</i>	19,082.10		
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	69,014.87		1,982.11
		<i>For Class 52 Rating, Deduct</i>	-7,261.28		
		<i>For Class 54 Rating, Add</i>	9,937.79		
		<i>For Class 55 Rating, Add</i>	14,792.68		
		<i>For Class 56 Rating, Add</i>	19,581.56		
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	70,731.43		1,984.99
		<i>For Class 52 Rating, Deduct</i>	-7,449.63		
		<i>For Class 54 Rating, Add</i>	10,194.67		
		<i>For Class 55 Rating, Add</i>	15,174.61		
		<i>For Class 56 Rating, Add</i>	20,086.82		
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	72,425.51		1,987.85
		<i>For Class 52 Rating, Deduct</i>	-7,635.50		
		<i>For Class 54 Rating, Add</i>	10,448.19		
		<i>For Class 55 Rating, Add</i>	15,551.52		
		<i>For Class 56 Rating, Add</i>	20,585.45		

40 05 19 00-3572 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3573 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,823.86	2,375.65
<i>For Class 52 Rating, Deduct</i>	-1,674.68	
<i>For Class 54 Rating, Add</i>	2,326.85	
<i>For Class 55 Rating, Add</i>	3,481.42	
<i>For Class 56 Rating, Add</i>	4,620.77	
40 05 19 00-3574 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,262.99	2,378.52
<i>For Class 52 Rating, Deduct</i>	-1,942.51	
<i>For Class 54 Rating, Add</i>	2,692.12	
<i>For Class 55 Rating, Add</i>	4,024.48	
<i>For Class 56 Rating, Add</i>	5,339.19	
40 05 19 00-3575 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,710.55	2,381.40
<i>For Class 52 Rating, Deduct</i>	-2,211.26	
<i>For Class 54 Rating, Add</i>	3,058.65	
<i>For Class 55 Rating, Add</i>	4,569.42	
<i>For Class 56 Rating, Add</i>	6,060.09	
40 05 19 00-3576 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,183.41	2,384.28
<i>For Class 52 Rating, Deduct</i>	-2,482.80	
<i>For Class 54 Rating, Add</i>	3,428.98	
<i>For Class 55 Rating, Add</i>	5,120.01	
<i>For Class 56 Rating, Add</i>	6,788.46	
40 05 19 00-3577 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,650.66	2,387.14
<i>For Class 52 Rating, Deduct</i>	-2,753.71	
<i>For Class 54 Rating, Add</i>	3,798.47	
<i>For Class 55 Rating, Add</i>	5,669.34	
<i>For Class 56 Rating, Add</i>	7,515.17	
40 05 19 00-3578 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,120.72	2,390.01
<i>For Class 52 Rating, Deduct</i>	-3,024.94	
<i>For Class 54 Rating, Add</i>	4,168.38	
<i>For Class 55 Rating, Add</i>	6,219.29	
<i>For Class 56 Rating, Add</i>	8,242.71	
40 05 19 00-3579 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,607.64	2,392.89
<i>For Class 52 Rating, Deduct</i>	-3,298.03	
<i>For Class 54 Rating, Add</i>	4,540.81	
<i>For Class 55 Rating, Add</i>	6,773.01	
<i>For Class 56 Rating, Add</i>	8,975.23	
40 05 19 00-3580 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,088.94	2,395.76
<i>For Class 52 Rating, Deduct</i>	-3,570.49	
<i>For Class 54 Rating, Add</i>	4,912.41	
<i>For Class 55 Rating, Add</i>	7,325.48	
<i>For Class 56 Rating, Add</i>	9,706.08	
40 05 19 00-3581 EA 48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,564.62	2,398.64
<i>For Class 52 Rating, Deduct</i>	-3,842.34	
<i>For Class 54 Rating, Add</i>	5,283.16	
<i>For Class 55 Rating, Add</i>	7,876.68	
<i>For Class 56 Rating, Add</i>	10,435.28	
40 05 19 00-3582 EA 48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,062.79	2,401.51
<i>For Class 52 Rating, Deduct</i>	-4,116.66	
<i>For Class 54 Rating, Add</i>	5,657.28	
<i>For Class 55 Rating, Add</i>	8,432.91	
<i>For Class 56 Rating, Add</i>	11,171.11	
40 05 19 00-3583 EA 48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,549.71	2,404.38
<i>For Class 52 Rating, Deduct</i>	-4,389.74	
<i>For Class 54 Rating, Add</i>	6,029.72	
<i>For Class 55 Rating, Add</i>	8,986.63	
<i>For Class 56 Rating, Add</i>	11,903.63	
40 05 19 00-3584 EA 48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,050.69	2,407.25
<i>For Class 52 Rating, Deduct</i>	-4,664.37	
<i>For Class 54 Rating, Add</i>	6,404.27	
<i>For Class 55 Rating, Add</i>	9,543.48	
<i>For Class 56 Rating, Add</i>	12,640.29	
40 05 19 00-3585 EA 48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	48,534.82	2,410.13
<i>For Class 52 Rating, Deduct</i>	-4,937.14	
<i>For Class 54 Rating, Add</i>	6,776.29	
<i>For Class 55 Rating, Add</i>	10,096.57	
<i>For Class 56 Rating, Add</i>	13,371.98	
40 05 19 00-3586 EA 48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	51,024.55	2,413.00
<i>For Class 52 Rating, Deduct</i>	-5,210.53	
<i>For Class 54 Rating, Add</i>	7,149.15	
<i>For Class 55 Rating, Add</i>	10,650.92	
<i>For Class 56 Rating, Add</i>	14,105.32	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	53,528.34		2,415.88
		For Class 52 Rating, Deduct	-5,485.47		
		For Class 54 Rating, Add	7,524.11		
		For Class 55 Rating, Add	11,208.40		
		For Class 56 Rating, Add	14,842.81		
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	56,018.08		2,418.74
		For Class 52 Rating, Deduct	-5,758.86		
		For Class 54 Rating, Add	7,896.97		
		For Class 55 Rating, Add	11,762.74		
		For Class 56 Rating, Add	15,576.16		
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	58,507.82		2,421.62
		For Class 52 Rating, Deduct	-6,032.26		
		For Class 54 Rating, Add	8,269.83		
		For Class 55 Rating, Add	12,317.09		
		For Class 56 Rating, Add	16,309.50		
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	61,014.42		2,424.49
		For Class 52 Rating, Deduct	-6,307.50		
		For Class 54 Rating, Add	8,645.22		
		For Class 55 Rating, Add	12,875.20		
		For Class 56 Rating, Add	17,047.83		
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	63,506.97		2,427.36
		For Class 52 Rating, Deduct	-6,581.21		
		For Class 54 Rating, Add	9,018.51		
		For Class 55 Rating, Add	13,430.17		
		For Class 56 Rating, Add	17,782.00		
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	65,996.70		2,430.23
		For Class 52 Rating, Deduct	-6,854.60		
		For Class 54 Rating, Add	9,391.37		
		For Class 55 Rating, Add	13,984.51		
		For Class 56 Rating, Add	18,515.34		
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	68,508.93		2,433.11
		For Class 52 Rating, Deduct	-7,130.47		
		For Class 54 Rating, Add	9,767.60		
		For Class 55 Rating, Add	14,543.87		
		For Class 56 Rating, Add	19,255.33		
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	71,004.29		2,435.98
		For Class 52 Rating, Deduct	-7,404.48		
		For Class 54 Rating, Add	10,141.30		
		For Class 55 Rating, Add	15,099.47		
		For Class 56 Rating, Add	19,990.33		
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	73,496.84		2,438.85
		For Class 52 Rating, Deduct	-7,678.18		
		For Class 54 Rating, Add	10,514.58		
		For Class 55 Rating, Add	15,654.44		
		For Class 56 Rating, Add	20,724.50		
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	76,006.26		2,441.73
		For Class 52 Rating, Deduct	-7,953.73		
		For Class 54 Rating, Add	10,890.40		
		For Class 55 Rating, Add	16,213.18		
		For Class 56 Rating, Add	21,463.65		
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	78,501.62		2,444.60
		For Class 52 Rating, Deduct	-8,227.74		
		For Class 54 Rating, Add	11,264.10		
		For Class 55 Rating, Add	16,768.78		
		For Class 56 Rating, Add	22,198.66		
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	80,994.16		2,447.46
		For Class 52 Rating, Deduct	-8,501.45		
		For Class 54 Rating, Add	11,637.38		
		For Class 55 Rating, Add	17,323.75		
		For Class 56 Rating, Add	22,932.83		
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	83,506.39		2,450.34
		For Class 52 Rating, Deduct	-8,777.31		
		For Class 54 Rating, Add	12,013.61		
		For Class 55 Rating, Add	17,883.11		
		For Class 56 Rating, Add	23,672.81		
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	86,001.75		2,453.22
		For Class 52 Rating, Deduct	-9,051.32		
		For Class 54 Rating, Add	12,387.32		
		For Class 55 Rating, Add	18,438.71		
		For Class 56 Rating, Add	24,407.82		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3601 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	88,201.89	2,456.10
<i>For Class 52 Rating, Deduct</i>	-9,292.86	
<i>For Class 54 Rating, Add</i>	12,716.74	
<i>For Class 55 Rating, Add</i>	18,928.47	
<i>For Class 56 Rating, Add</i>	25,055.73	
40 05 19 00-3602 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	91,012.15	2,458.95
<i>For Class 52 Rating, Deduct</i>	-9,601.51	
<i>For Class 54 Rating, Add</i>	13,137.68	
<i>For Class 55 Rating, Add</i>	19,554.30	
<i>For Class 56 Rating, Add</i>	25,883.63	
40 05 19 00-3603 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	93,504.70	2,461.83
<i>For Class 52 Rating, Deduct</i>	-9,875.21	
<i>For Class 54 Rating, Add</i>	13,510.96	
<i>For Class 55 Rating, Add</i>	20,109.27	
<i>For Class 56 Rating, Add</i>	26,617.80	
40 05 19 00-3604 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	96,022.55	2,464.71
<i>For Class 52 Rating, Deduct</i>	-10,151.70	
<i>For Class 54 Rating, Add</i>	13,888.03	
<i>For Class 55 Rating, Add</i>	20,669.88	
<i>For Class 56 Rating, Add</i>	27,359.44	
40 05 19 00-3605 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	98,515.10	2,467.58
<i>For Class 52 Rating, Deduct</i>	-10,425.40	
<i>For Class 54 Rating, Add</i>	14,261.32	
<i>For Class 55 Rating, Add</i>	21,224.85	
<i>For Class 56 Rating, Add</i>	28,093.62	
40 05 19 00-3606 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	101,007.64	2,470.44
<i>For Class 52 Rating, Deduct</i>	-10,699.10	
<i>For Class 54 Rating, Add</i>	14,634.60	
<i>For Class 55 Rating, Add</i>	21,779.82	
<i>For Class 56 Rating, Add</i>	28,827.79	
40 05 19 00-3607 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	103,525.49	2,473.32
<i>For Class 52 Rating, Deduct</i>	-10,975.58	
<i>For Class 54 Rating, Add</i>	15,011.67	
<i>For Class 55 Rating, Add</i>	22,340.44	
<i>For Class 56 Rating, Add</i>	29,569.43	
40 05 19 00-3608 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows <small>(40 05 19 00-2059)</small>		
40 05 19 00-3609 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	796.26	138.59
40 05 19 00-3610 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,166.84	177.23
40 05 19 00-3611 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,667.23	200.74
40 05 19 00-3612 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,382.57	254.51
40 05 19 00-3613 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,969.80	282.22
40 05 19 00-3614 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,643.89	306.58
40 05 19 00-3615 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	4,474.65	377.98
40 05 19 00-3616 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	5,613.94	453.57
40 05 19 00-3617 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	6,861.22	571.16
40 05 19 00-3618 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	10,215.89	646.76
40 05 19 00-3619 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	15,859.84	856.75
40 05 19 00-3620 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	23,530.11	970.14
40 05 19 00-3621 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	40,178.93	1,108.73
40 05 19 00-3622 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	53,156.69	1,360.71
40 05 19 00-3623 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows <small>(40 05 19 00-2059)</small>		
40 05 19 00-3624 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	758.49	138.59
40 05 19 00-3625 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,104.43	177.23
40 05 19 00-3626 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,512.86	200.74
40 05 19 00-3627 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,162.51	254.51
40 05 19 00-3628 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,685.69	282.22
40 05 19 00-3629 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	3,129.87	306.58
40 05 19 00-3630 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	3,847.32	377.98
40 05 19 00-3631 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	4,897.92	453.57
40 05 19 00-3632 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	6,159.98	571.16
40 05 19 00-3633 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	8,092.47	646.76
40 05 19 00-3634 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	15,483.77	856.75
40 05 19 00-3635 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	23,027.58	970.14
40 05 19 00-3636 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	34,828.51	1,108.73
40 05 19 00-3637 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	47,101.75	1,360.71
40 05 19 00-3638 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows <small>(40 05 19 00-2059)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3639	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	756.85	138.59
40 05 19 00-3640	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,083.08	177.23
40 05 19 00-3641	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,499.72	200.74
40 05 19 00-3642	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,111.60	254.51
40 05 19 00-3643	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,799.00	282.22
40 05 19 00-3644	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,476.38	306.58
40 05 19 00-3645	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,926.14	377.98
40 05 19 00-3646	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,993.17	453.57
40 05 19 00-3647	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,568.90	571.16
40 05 19 00-3648	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,036.76	646.76
40 05 19 00-3649	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,651.28	856.75
40 05 19 00-3650	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	23,440.23	970.14
40 05 19 00-3651	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	35,592.16	1,108.73
40 05 19 00-3652	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	48,100.24	1,360.71
40 05 19 00-3653 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-2059)					
40 05 19 00-3654	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	820.89	138.59
40 05 19 00-3655	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,202.96	177.23
40 05 19 00-3656	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,548.99	200.74
40 05 19 00-3657	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,287.32	254.51
40 05 19 00-3658	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,125.81	282.22
40 05 19 00-3659	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,560.13	306.58
40 05 19 00-3660	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,279.23	377.98
40 05 19 00-3661	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,993.17	453.57
40 05 19 00-3662	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,568.90	571.16
40 05 19 00-3663	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,371.78	646.76
40 05 19 00-3664	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	15,815.50	856.75
40 05 19 00-3665	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	23,577.73	970.14
40 05 19 00-3666	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	35,767.88	1,108.73
40 05 19 00-3667	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	48,454.96	1,360.71
40 05 19 00-3668 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-2059)					
40 05 19 00-3669	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,135.92	157.91
40 05 19 00-3670	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,465.76	169.67
40 05 19 00-3671	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,591.93	188.98
40 05 19 00-3672	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,188.02	196.55
40 05 19 00-3673	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,228.78	215.86
40 05 19 00-3674	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,392.76	227.62
40 05 19 00-3675	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,613.35	230.14
40 05 19 00-3676	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,918.56	241.90
40 05 19 00-3677	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,056.17	268.78
40 05 19 00-3678	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,043.37	241.90
40 05 19 00-3679	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,300.96	253.66
40 05 19 00-3680	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,578.16	280.54
40 05 19 00-3681	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,888.84	294.82
40 05 19 00-3682	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,503.09	277.60
40 05 19 00-3683	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,713.06	289.36
40 05 19 00-3684	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,134.78	316.24
40 05 19 00-3685	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,446.45	330.10
40 05 19 00-3686	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,701.39	342.28
40 05 19 00-3687	EA		18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,067.82	315.40
40 05 19 00-3688	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,709.69	327.16
40 05 19 00-3689	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,794.75	354.04
40 05 19 00-3690	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,007.89	367.89
40 05 19 00-3691	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,361.36	380.08
40 05 19 00-3692	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,747.18	415.77
40 05 19 00-3693	EA		20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,086.40	374.20
40 05 19 00-3694	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,363.70	385.96
40 05 19 00-3695	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,434.10	412.83
40 05 19 00-3696	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,629.18	426.69
40 05 19 00-3697	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,224.06	438.87
40 05 19 00-3698	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,041.66	474.56
40 05 19 00-3699	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,406.03	512.36
40 05 19 00-3700	EA		24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,037.18	412.00
40 05 19 00-3701	EA		24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,309.54	423.76
40 05 19 00-3702	EA		24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,764.11	450.63
40 05 19 00-3703	EA		24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,093.85	464.49
40 05 19 00-3704	EA		24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,729.78	476.67
40 05 19 00-3705	EA		24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,299.54	512.36
40 05 19 00-3706	EA		24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,458.62	550.16
40 05 19 00-3707	EA		24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,910.86	544.08
40 05 19 00-3708	EA		30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,961.11	569.49
40 05 19 00-3709	EA		30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,643.03	581.66
40 05 19 00-3710	EA		30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,314.72	617.36
40 05 19 00-3711	EA		30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,117.69	655.16
40 05 19 00-3712	EA		30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,576.91	713.96



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				40 05 19 00-3713 EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....23,059.64		751.75
				40 05 19 00-3714 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....20,848.26		770.65
				40 05 19 00-3715 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....22,777.68		808.45
				40 05 19 00-3716 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....23,876.12		913.44
				40 05 19 00-3717 EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....30,920.00		839.95
				40 05 19 00-3718 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....31,668.66		877.75
				40 05 19 00-3719 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....31,637.23		982.73
				40 05 19 00-3720 EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....45,158.31		1,039.43
				40 05 19 00-3721 EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....43,193.78		1,014.24
				40 05 19 00-3722 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....46,952.66		1,119.23
				40 05 19 00-3723 EA 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....48,294.86		1,175.92
				40 05 19 00-3724 EA 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....59,918.53		1,245.22
40 05 19 00-3725				Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-2059)		
				40 05 19 00-3726 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....935.85		138.59
				40 05 19 00-3727 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....1,472.29		177.23
				40 05 19 00-3728 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....2,186.18		200.74
				40 05 19 00-3729 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....3,052.61		254.51
				40 05 19 00-3730 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....4,270.45		282.22
				40 05 19 00-3731 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....5,006.95		306.58
				40 05 19 00-3732 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....6,381.29		377.98
				40 05 19 00-3733 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....7,811.26		453.57
				40 05 19 00-3734 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....10,429.81		571.16
				40 05 19 00-3735 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....15,211.58		646.76
				40 05 19 00-3736 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....26,345.54		856.75
				40 05 19 00-3737 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....39,891.75		970.14
				40 05 19 00-3738 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....61,462.36		1,108.73
40 05 19 00-3739				Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-2059)		
				40 05 19 00-3740 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....981.83		138.59
				40 05 19 00-3741 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....1,381.97		177.23
				40 05 19 00-3742 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....2,246.94		200.74
				40 05 19 00-3743 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....3,006.63		254.51
				40 05 19 00-3744 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....4,019.19		282.22
				40 05 19 00-3745 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....4,765.54		306.58
				40 05 19 00-3746 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....5,808.15		377.98
				40 05 19 00-3747 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....7,193.77		453.57
				40 05 19 00-3748 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....9,295.02		571.16
				40 05 19 00-3749 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....13,050.39		646.76
				40 05 19 00-3750 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....21,052.60		856.75
				40 05 19 00-3751 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....29,970.98		970.14
				40 05 19 00-3752 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....52,769.99		1,108.73
				40 05 19 00-3753 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....59,211.63		1,360.71
40 05 19 00-3754				Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-2059)		
				40 05 19 00-3755 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....1,205.99		222.59
				40 05 19 00-3756 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....1,561.17		273.82
				40 05 19 00-3757 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....2,256.57		305.74
				40 05 19 00-3758 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....3,191.77		397.29
				40 05 19 00-3759 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....4,269.62		433.41
				40 05 19 00-3760 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....5,723.36		466.17
				40 05 19 00-3761 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....6,185.44		587.96
				40 05 19 00-3762 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....7,682.33		671.96
				40 05 19 00-3763 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....9,664.08		848.35
				40 05 19 00-3764 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....14,243.25		936.54
				40 05 19 00-3765 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....23,412.46		1,293.52
				40 05 19 00-3766 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....33,103.92		1,482.50
				40 05 19 00-3767 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....70,786.93		1,713.49
40 05 19 00-3768				Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees (40 05 19 00-2059)		
				40 05 19 00-3769 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....1,606.75		248.63
				40 05 19 00-3770 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....2,084.06		253.66
				40 05 19 00-3771 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....2,050.31		285.58
				40 05 19 00-3772 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....2,776.75		280.54
				40 05 19 00-3773 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....2,705.23		312.46
				40 05 19 00-3774 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....2,819.52		332.62
				40 05 19 00-3775 EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....3,545.61		294.82
				40 05 19 00-3776 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....3,502.00		326.74
				40 05 19 00-3777 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....3,654.08		346.90
				40 05 19 00-3778 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....4,213.54		411.57
				40 05 19 00-3779 EA 14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....5,079.20		306.58

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3780	EA	14"	x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,956.78	338.50
40 05 19 00-3781	EA	14"	x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,131.84	358.66
40 05 19 00-3782	EA	14"	x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,325.08	423.33
40 05 19 00-3783	EA	14"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,598.58	445.59
40 05 19 00-3784	EA	16"	x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,130.13	342.28
40 05 19 00-3785	EA	16"	x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,155.38	374.20
40 05 19 00-3786	EA	16"	x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,272.97	394.36
40 05 19 00-3787	EA	16"	x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,366.15	459.03
40 05 19 00-3788	EA	16"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,697.01	481.29
40 05 19 00-3789	EA	16"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,807.13	501.87
40 05 19 00-3790	EA	18"	x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,757.87	412.00
40 05 19 00-3791	EA	18"	x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,781.98	432.16
40 05 19 00-3792	EA	18"	x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,733.81	496.83
40 05 19 00-3793	EA	18"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,361.90	519.09
40 05 19 00-3794	EA	18"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,846.47	539.66
40 05 19 00-3795	EA	18"	x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,264.30	625.76
40 05 19 00-3796	EA	20"	x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,218.36	470.79
40 05 19 00-3797	EA	20"	x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,350.73	490.95
40 05 19 00-3798	EA	20"	x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,604.73	555.63
40 05 19 00-3799	EA	20"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,896.28	577.89
40 05 19 00-3800	EA	20"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,978.37	598.46
40 05 19 00-3801	EA	20"	x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,601.62	684.56
40 05 19 00-3802	EA	20"	x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,773.42	730.76
40 05 19 00-3803	EA	24"	x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,497.45	508.59
40 05 19 00-3804	EA	24"	x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,866.29	528.74
40 05 19 00-3805	EA	24"	x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,153.14	593.42
40 05 19 00-3806	EA	24"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,254.33	615.69
40 05 19 00-3807	EA	24"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,490.79	636.26
40 05 19 00-3808	EA	24"	x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,757.54	722.36
40 05 19 00-3809	EA	24"	x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,189.21	768.56
40 05 19 00-3810	EA	24"	x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,633.64	821.26
40 05 19 00-3811	EA	30"	x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,812.02	613.58
40 05 19 00-3812	EA	30"	x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	18,896.76	633.74
40 05 19 00-3813	EA	30"	x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,326.49	698.41
40 05 19 00-3814	EA	30"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,360.22	720.67
40 05 19 00-3815	EA	30"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,391.39	741.26
40 05 19 00-3816	EA	30"	x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,521.83	827.35
40 05 19 00-3817	EA	30"	x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,138.69	873.54
40 05 19 00-3818	EA	30"	x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,116.63	991.13
40 05 19 00-3819	EA	30"	x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	25,742.00	1,041.53
40 05 19 00-3820	EA	36"	x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,021.76	878.16
40 05 19 00-3821	EA	36"	x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,265.99	894.13
40 05 19 00-3822	EA	36"	x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,389.55	939.90
40 05 19 00-3823	EA	36"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,582.77	957.95
40 05 19 00-3824	EA	36"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,663.43	974.34
40 05 19 00-3825	EA	36"	x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,864.09	1,035.24
40 05 19 00-3826	EA	36"	x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,985.20	1,077.23
40 05 19 00-3827	EA	36"	x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,337.23	1,165.43
40 05 19 00-3828	EA	36"	x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,903.29	1,209.53
40 05 19 00-3829	EA	36"	x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	37,381.65	1,388.01
40 05 19 00-3830	EA	42"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,074.31	846.67
40 05 19 00-3831	EA	42"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,166.25	867.25
40 05 19 00-3832	EA	42"	x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,411.65	953.34
40 05 19 00-3833	EA	42"	x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,540.77	999.54
40 05 19 00-3834	EA	42"	x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,953.78	1,117.13
40 05 19 00-3835	EA	42"	x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,501.46	1,167.52
40 05 19 00-3836	EA	42"	x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,231.00	1,419.51
40 05 19 00-3837	EA	42"	x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	67,953.77	1,551.81
40 05 19 00-3838	EA	48"	x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,172.81	983.16
40 05 19 00-3839	EA	48"	x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,203.99	1,003.74
40 05 19 00-3840	EA	48"	x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,508.52	1,089.83
40 05 19 00-3841	EA	48"	x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,578.52	1,136.03
40 05 19 00-3842	EA	48"	x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	55,991.53	1,253.62
40 05 19 00-3843	EA	48"	x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,481.74	1,304.01
40 05 19 00-3844	EA	48"	x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,686.29	1,556.00

40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-2059)

40 05 19 00-3846	EA	4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,301.24	222.59
40 05 19 00-3847	EA	6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,838.71	273.82
40 05 19 00-3848	EA	8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,726.25	305.74
40 05 19 00-3849	EA	10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,081.87	397.29
40 05 19 00-3850	EA	12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,504.58	433.41
40 05 19 00-3851	EA	14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,204.54	466.17
40 05 19 00-3852	EA	16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,604.34	587.96
40 05 19 00-3853	EA	18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,191.55	671.96
40 05 19 00-3854	EA	20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,083.10	848.35
40 05 19 00-3855	EA	24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	17,399.64	936.54
40 05 19 00-3856	EA	30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	28,825.28	1,293.52
40 05 19 00-3857	EA	36"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	41,052.36	1,482.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3858 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes <i>(40 05 19 00-2059)</i>		
40 05 19 00-3859 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,063.12	222.59
40 05 19 00-3860 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,549.68	273.82
40 05 19 00-3861 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,294.34	305.74
40 05 19 00-3862 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,024.26	397.29
40 05 19 00-3863 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,575.07	433.41
40 05 19 00-3864 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	6,127.35	466.17
40 05 19 00-3865 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses <i>(40 05 19 00-2059)</i>		
40 05 19 00-3866 EA 4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,366.10	306.58
40 05 19 00-3867 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,923.87	332.20
40 05 19 00-3868 EA 6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,998.20	370.42
40 05 19 00-3869 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,485.57	337.66
40 05 19 00-3870 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,651.57	382.18
40 05 19 00-3871 EA 8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,709.61	410.74
40 05 19 00-3872 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,266.95	364.54
40 05 19 00-3873 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,526.54	409.05
40 05 19 00-3874 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,809.58	437.61
40 05 19 00-3875 EA 10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,583.98	540.09
40 05 19 00-3876 EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,273.29	378.39
40 05 19 00-3877 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,436.00	422.91
40 05 19 00-3878 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,719.02	451.47
40 05 19 00-3879 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,542.69	553.94
40 05 19 00-3880 EA 12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,198.28	584.60
40 05 19 00-3881 EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,342.90	435.09
40 05 19 00-3882 EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,625.94	463.65
40 05 19 00-3883 EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,112.94	566.13
40 05 19 00-3884 EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,592.93	596.79
40 05 19 00-3885 EA 14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,873.32	625.76
40 05 19 00-3886 EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,377.41	470.79
40 05 19 00-3887 EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,706.43	499.34
40 05 19 00-3888 EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,195.06	601.82
40 05 19 00-3889 EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,721.04	632.48
40 05 19 00-3890 EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,587.96	661.46
40 05 19 00-3891 EA 16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,546.54	797.95
40 05 19 00-3892 EA 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,702.36	508.59
40 05 19 00-3893 EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,031.37	537.14
40 05 19 00-3894 EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,424.77	639.62
40 05 19 00-3895 EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,950.75	670.28
40 05 19 00-3896 EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,044.05	699.25
40 05 19 00-3897 EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,682.76	835.74
40 05 19 00-3898 EA 18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,049.60	890.34
40 05 19 00-3899 EA 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,622.54	567.39
40 05 19 00-3900 EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,974.55	595.94
40 05 19 00-3901 EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,335.10	698.41
40 05 19 00-3902 EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,895.56	729.07
40 05 19 00-3903 EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,044.58	758.05
40 05 19 00-3904 EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,000.37	894.54
40 05 19 00-3905 EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,390.19	949.14
40 05 19 00-3906 EA 20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,378.39	1,125.53
40 05 19 00-3907 EA 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,392.79	605.18
40 05 19 00-3908 EA 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,644.62	633.74
40 05 19 00-3909 EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,157.90	736.21
40 05 19 00-3910 EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,513.08	766.87
40 05 19 00-3911 EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,711.36	795.85
40 05 19 00-3912 EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,277.82	932.34
40 05 19 00-3913 EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,014.53	986.94
40 05 19 00-3914 EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,850.22	1,098.45
40 05 19 00-3915 EA 24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,484.22	1,226.32
40 05 19 00-3916 EA 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,415.33	871.87
40 05 19 00-3917 EA 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,513.43	900.84
40 05 19 00-3918 EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,104.52	1,037.33
40 05 19 00-3919 EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,300.56	1,091.94
40 05 19 00-3920 EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,172.16	1,268.32
40 05 19 00-3921 EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,606.65	1,331.32
40 05 19 00-3922 EA 30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,021.03	1,730.29
40 05 19 00-3923 EA 36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,580.42	1,109.15
40 05 19 00-3924 EA 36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,617.97	1,133.93
40 05 19 00-3925 EA 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,121.61	1,245.22
40 05 19 00-3926 EA 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,306.36	1,295.61
40 05 19 00-3927 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,025.02	1,442.60
40 05 19 00-3928 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,992.81	1,499.30
40 05 19 00-3929 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	41,350.90	1,824.78
40 05 19 00-3930 EA 36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,137.78	1,994.88
40 05 19 00-3931 EA 42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,549.28	1,163.33

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3932	EA		42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,692.78	1,217.92
40 05 19 00-3933	EA		42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,521.67	1,394.31
40 05 19 00-3934	EA		42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,553.20	1,457.31
40 05 19 00-3935	EA		42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,379.25	1,856.29
40 05 19 00-3936	EA		42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	78,077.72	2,064.17
40 05 19 00-3937	EA		48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,945.35	1,530.80
40 05 19 00-3938	EA		48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,976.88	1,593.80
40 05 19 00-3939	EA		48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	61,266.33	1,992.78

40 05 19 00-3940 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-2059)

40 05 19 00-3941	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	973.34	157.91
40 05 19 00-3942	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,294.97	169.67
40 05 19 00-3943	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,376.80	188.98
40 05 19 00-3944	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,726.55	196.55
40 05 19 00-3945	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,719.69	215.86
40 05 19 00-3946	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,931.29	227.62
40 05 19 00-3947	EA		12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,203.08	210.83
40 05 19 00-3948	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,237.28	230.14
40 05 19 00-3949	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,394.69	241.90
40 05 19 00-3950	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,602.91	268.78
40 05 19 00-3951	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,710.00	241.90
40 05 19 00-3952	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,919.96	253.66
40 05 19 00-3953	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,124.90	280.54
40 05 19 00-3954	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,034.87	294.82
40 05 19 00-3955	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,218.99	277.60
40 05 19 00-3956	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,069.30	289.36
40 05 19 00-3957	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,315.30	316.24
40 05 19 00-3958	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,710.23	330.10
40 05 19 00-3959	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,174.23	342.28
40 05 19 00-3960	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,895.14	327.16
40 05 19 00-3961	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,175.62	354.04
40 05 19 00-3962	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,135.86	367.89
40 05 19 00-3963	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,643.70	380.08
40 05 19 00-3964	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,597.61	415.77
40 05 19 00-3965	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,746.22	385.96
40 05 19 00-3966	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,043.13	412.83
40 05 19 00-3967	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,922.89	426.69
40 05 19 00-3968	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,547.33	438.87
40 05 19 00-3969	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,218.78	474.56
40 05 19 00-3970	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,226.90	512.36
40 05 19 00-3971	EA		24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,874.01	450.63
40 05 19 00-3972	EA		24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,428.74	464.49
40 05 19 00-3973	EA		24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,585.14	476.67
40 05 19 00-3974	EA		24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,785.27	512.36
40 05 19 00-3975	EA		24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,965.83	550.16
40 05 19 00-3976	EA		24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,367.16	544.08
40 05 19 00-3977	EA		30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,373.47	617.36
40 05 19 00-3978	EA		30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,764.11	655.16
40 05 19 00-3979	EA		30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,515.02	713.96
40 05 19 00-3980	EA		30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,672.60	751.75
40 05 19 00-3981	EA		36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,110.20	674.06
40 05 19 00-3982	EA		36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,341.55	711.86
40 05 19 00-3983	EA		36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,353.58	770.65
40 05 19 00-3984	EA		36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,259.88	808.45
40 05 19 00-3985	EA		36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,737.80	913.44
40 05 19 00-3986	EA		42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,304.98	877.75
40 05 19 00-3987	EA		42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,287.06	982.73
40 05 19 00-3988	EA		42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	31,723.14	1,039.43
40 05 19 00-3989	EA		48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	33,516.06	1,014.24
40 05 19 00-3990	EA		48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	35,504.60	1,119.23
40 05 19 00-3991	EA		48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	39,411.99	1,175.92
40 05 19 00-3992	EA		48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	43,868.92	1,245.22

40 05 19 00-3993 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-2059)

40 05 19 00-3994	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,040.67	157.91
40 05 19 00-3995	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,372.15	169.67
40 05 19 00-3996	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,495.04	188.98
40 05 19 00-3997	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,726.55	196.55
40 05 19 00-3998	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,801.80	215.86
40 05 19 00-3999	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,010.12	227.62
40 05 19 00-4000	EA		12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,203.08	210.83
40 05 19 00-4001	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,329.24	230.14
40 05 19 00-4002	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,489.94	241.90
40 05 19 00-4003	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,768.78	268.78
40 05 19 00-4004	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,710.00	241.90
40 05 19 00-4005	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,870.69	253.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4006	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,101.91	280.54
40 05 19 00-4007	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,458.57	294.82
40 05 19 00-4008	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,218.99	277.60
40 05 19 00-4009	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,425.66	289.36
40 05 19 00-4010	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,707.79	316.24
40 05 19 00-4011	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,014.54	330.10
40 05 19 00-4012	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,174.23	342.28
40 05 19 00-4013	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,895.14	327.16
40 05 19 00-4014	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,175.62	354.04
40 05 19 00-4015	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,480.73	367.89
40 05 19 00-4016	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,643.70	380.08
40 05 19 00-4017	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,983.54	415.77
40 05 19 00-4018	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,002.41	385.96
40 05 19 00-4019	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,223.77	412.83
40 05 19 00-4020	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,425.42	426.69
40 05 19 00-4021	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,547.33	438.87
40 05 19 00-4022	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,959.43	474.56
40 05 19 00-4023	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,221.98	512.36
40 05 19 00-4024	EA		24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,059.92	423.76
40 05 19 00-4025	EA		24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,992.26	450.63
40 05 19 00-4026	EA		24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,116.72	464.49
40 05 19 00-4027	EA		24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,236.99	476.67
40 05 19 00-4028	EA		24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,650.73	512.36
40 05 19 00-4029	EA		24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,965.83	550.16
40 05 19 00-4030	EA		24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,367.16	544.08
40 05 19 00-4031	EA		30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,040.58	581.66
40 05 19 00-4032	EA		30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,084.68	617.36
40 05 19 00-4033	EA		30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,818.31	655.16
40 05 19 00-4034	EA		30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,515.02	713.96
40 05 19 00-4035	EA		30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,672.60	751.75
40 05 19 00-4036	EA		36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,151.13	674.06
40 05 19 00-4037	EA		36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,776.62	711.86
40 05 19 00-4038	EA		36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,691.75	770.65
40 05 19 00-4039	EA		36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,202.40	808.45
40 05 19 00-4040	EA		36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,028.47	913.44
40 05 19 00-4041	EA		42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,304.98	877.75
40 05 19 00-4042	EA		42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,287.06	982.73
40 05 19 00-4043	EA		42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	31,723.14	1,039.43
40 05 19 00-4044	EA		48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	35,504.60	1,119.23
40 05 19 00-4045	EA		48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	39,411.99	1,175.92
40 05 19 00-4046	EA		48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	43,868.92	1,245.22

40 05 19 00-4047

Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-2059)

40 05 19 00-4048	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	481.79	54.60
40 05 19 00-4049	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	733.09	80.63
40 05 19 00-4050	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	979.34	95.76
40 05 19 00-4051	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,425.57	111.71
40 05 19 00-4052	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,890.04	131.04
40 05 19 00-4053	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,605.60	146.99
40 05 19 00-4054	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,148.16	167.99
40 05 19 00-4055	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,236.95	235.18
40 05 19 00-4056	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	5,689.09	293.98
40 05 19 00-4057	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	8,343.16	356.97
40 05 19 00-4058	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	12,097.72	415.77
40 05 19 00-4059	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	22,699.61	457.77
40 05 19 00-4060	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	32,554.07	503.96
40 05 19 00-4061	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	43,402.91	566.96

40 05 19 00-4062

Ductile Iron Bolt Packs (40 05 19)

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4063	EA		4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	44.25	
			Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	12.39	
			<i>For Hot Dip Galvanized, Add</i>	17.70	
40 05 19 00-4064	EA		6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	68.28	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	19.12	
			<i>For Hot Dip Galvanized, Add</i>	27.31	
40 05 19 00-4065	EA		8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	74.14	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	20.76	
			<i>For Hot Dip Galvanized, Add</i>	29.66	
40 05 19 00-4066	EA		10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	166.53	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	46.63	
			<i>For Hot Dip Galvanized, Add</i>	66.61	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4067 EA 12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	168.00	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	47.04	
For Hot Dip Galvanized, Add	67.20	
40 05 19 00-4068 EA 14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	188.22	
Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	52.70	
For Hot Dip Galvanized, Add	75.29	
40 05 19 00-4069 EA 16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	316.42	
Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	88.60	
For Hot Dip Galvanized, Add	126.57	
40 05 19 00-4070 EA 18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	459.67	
Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	128.71	
For Hot Dip Galvanized, Add	183.87	
40 05 19 00-4071 EA 20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	580.39	
Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	162.51	
For Hot Dip Galvanized, Add	232.16	
40 05 19 00-4072 EA 24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	830.44	
Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	232.52	
For Hot Dip Galvanized, Add	332.18	
40 05 19 00-4073 EA 30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,312.22	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	367.42	
For Hot Dip Galvanized, Add	524.89	
40 05 19 00-4074 EA 36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,871.92	
Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	524.14	
For Hot Dip Galvanized, Add	748.77	
40 05 19 00-4075 EA 42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,408.16	
Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	674.28	
For Hot Dip Galvanized, Add	963.26	
40 05 19 00-4076 EA 48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,943.31	
Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	824.13	
For Hot Dip Galvanized, Add	1,177.32	
40 05 19 00-4077 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 <small>(40 05 19)</small>		
Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-4078 Full Face Flange Styrene Butadiene (SBR) Gaskets <small>(40 05 19 00-4077)</small>		
40 05 19 00-4079 EA 4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.44	
40 05 19 00-4080 EA 6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.74	
40 05 19 00-4081 EA 8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	14.57	
40 05 19 00-4082 EA 10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	16.87	
40 05 19 00-4083 EA 12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	18.40	
40 05 19 00-4084 EA 14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	30.67	
40 05 19 00-4085 EA 16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	37.58	
40 05 19 00-4086 EA 18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	39.88	
40 05 19 00-4087 EA 20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	61.35	
40 05 19 00-4088 EA 24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	65.95	
40 05 19 00-4089 EA 30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	85.12	
40 05 19 00-4090 EA 36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	97.39	
40 05 19 00-4091 EA 42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	104.29	
40 05 19 00-4092 EA 48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	114.26	
40 05 19 00-4093 Full Face Flange Nitrile Buna-N (NBR) Gaskets <small>(40 05 19 00-4077)</small>		
Note: (Acrylonitrile Butadiene)		
40 05 19 00-4094 EA 4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	26.07	
40 05 19 00-4095 EA 6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	36.81	
40 05 19 00-4096 EA 8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	56.75	
40 05 19 00-4097 EA 10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	62.11	
40 05 19 00-4098 EA 12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	66.72	
40 05 19 00-4099 EA 14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	125.76	
40 05 19 00-4100 EA 16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	154.90	
40 05 19 00-4101 EA 18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	155.67	
40 05 19 00-4102 EA 20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	161.81	
40 05 19 00-4103 EA 24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	171.01	
40 05 19 00-4104 EA 30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	189.41	
40 05 19 00-4105 EA 36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	208.58	
40 05 19 00-4106 EA 42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	296.77	
40 05 19 00-4107 EA 48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	324.38	
40 05 19 00-4108 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets <small>(40 05 19 00-4077)</small>		
40 05 19 00-4109 EA 4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	23.01	
40 05 19 00-4110 EA 6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	29.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4111 EA 8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	40.64	
40 05 19 00-4112 EA 10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	47.54	
40 05 19 00-4113 EA 12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	52.91	
40 05 19 00-4114 EA 14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	87.42	
40 05 19 00-4115 EA 16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	105.06	
40 05 19 00-4116 EA 18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	105.83	
40 05 19 00-4117 EA 20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	108.13	
40 05 19 00-4118 EA 24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	125.76	
40 05 19 00-4119 EA 30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	154.14	
40 05 19 00-4120 EA 36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	175.61	
40 05 19 00-4121 EA 42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	251.53	
40 05 19 00-4122 EA 48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	277.60	

40 05 19 00-4123 Full Face Flange Neoprene Gaskets (40 05 19 00-4077)

Note: (Polychloroprene)

40 05 19 00-4124 EA 4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	26.84	
40 05 19 00-4125 EA 6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	37.58	
40 05 19 00-4126 EA 8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	57.51	
40 05 19 00-4127 EA 10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	62.11	
40 05 19 00-4128 EA 12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	66.72	
40 05 19 00-4129 EA 14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	88.95	
40 05 19 00-4130 EA 16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	156.44	
40 05 19 00-4131 EA 18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	157.20	
40 05 19 00-4132 EA 20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	166.41	
40 05 19 00-4133 EA 24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	168.71	
40 05 19 00-4134 EA 30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	183.28	
40 05 19 00-4135 EA 36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	206.28	
40 05 19 00-4136 EA 42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	299.07	
40 05 19 00-4137 EA 48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	327.44	

40 05 19 00-4138 Full Face Flange FKM Gaskets (40 05 19 00-4077)

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4139 EA 4" Full Face Flange FKM Gasket, 1/8" Thick.....	126.38	
40 05 19 00-4140 EA 6" Full Face Flange FKM Gasket, 1/8" Thick.....	188.17	
40 05 19 00-4141 EA 8" Full Face Flange FKM Gasket, 1/8" Thick.....	251.36	
40 05 19 00-4142 EA 10" Full Face Flange FKM Gasket, 1/8" Thick.....	303.32	
40 05 19 00-4143 EA 12" Full Face Flange FKM Gasket, 1/8" Thick.....	394.59	
40 05 19 00-4144 EA 14" Full Face Flange FKM Gasket, 1/8" Thick.....	721.78	
40 05 19 00-4145 EA 16" Full Face Flange FKM Gasket, 1/8" Thick.....	827.10	
40 05 19 00-4146 EA 18" Full Face Flange FKM Gasket, 1/8" Thick.....	866.42	
40 05 19 00-4147 EA 20" Full Face Flange FKM Gasket, 1/8" Thick.....	924.00	
40 05 19 00-4148 EA 24" Full Face Flange FKM Gasket, 1/8" Thick.....	1,277.87	
40 05 19 00-4149 EA 30" Full Face Flange FKM Gasket, 1/8" Thick.....	1,532.04	
40 05 19 00-4150 EA 36" Full Face Flange FKM Gasket, 1/8" Thick.....	1,616.29	
40 05 19 00-4151 EA 42" Full Face Flange FKM Gasket, 1/8" Thick.....	2,015.10	
40 05 19 00-4152 EA 48" Full Face Flange FKM Gasket, 1/8" Thick.....	2,111.99	

40 05 19 00-4153 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)

40 05 19 00-4154 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	399.85	75.82
40 05 19 00-4155 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	554.60	92.57
40 05 19 00-4156 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	820.90	112.89
40 05 19 00-4157 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	1,127.40	137.72
40 05 19 00-4158 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	1,431.27	167.93
40 05 19 00-4159 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	2,299.30	204.89
40 05 19 00-4160 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	3,615.78	250.05
40 05 19 00-4161 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	3,733.55	304.98
40 05 19 00-4162 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	4,574.18	372.16
40 05 19 00-4163 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	5,096.69	453.94
40 05 19 00-4164 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	6,568.47	553.91
40 05 19 00-4165 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	9,764.48	675.67
40 05 19 00-4166 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	25,452.80	824.41
40 05 19 00-4167 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	32,511.22	1,005.72

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)

40 05 23 23-0002 LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	40.62	10.14
Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Type 316, Add</i>		
<i>For Work In Restricted Working Space, Add</i>		
40 05 23 23-0003 LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	45.42	11.62
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Type 316, Add</i>		
<i>For Work In Restricted Working Space, Add</i>		

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0004 LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Type 316, Add For Work In Restricted Working Space, Add	52.95 6.47 8.42	13.11
40 05 23 23-0005 LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Type 316, Add For Work In Restricted Working Space, Add	61.63 8.16 9.07	15.83
40 05 23 23-0006 LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Type 316, Add For Work In Restricted Working Space, Add	68.38 9.35 9.73	16.29
40 05 23 23-0007 LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Type 316, Add For Work In Restricted Working Space, Add	82.91 11.40 11.72	21.52
40 05 23 23-0008 LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Type 316, Add For Work In Restricted Working Space, Add	123.80 19.61 14.52	26.53
40 05 23 23-0009 LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Type 316, Add For Work In Restricted Working Space, Add	157.39 25.53 17.76	30.75
40 05 23 23-0010 LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. For Work In Restricted Working Space, Add	216.52 22.53	30.75
40 05 23 23-0011 Stainless Steel Tubing And Fittings <small>(40 05 23 23)</small>		
40 05 23 23-0012 Type 304 Tubing <small>(40 05 23 23-0011)</small>		
40 05 23 23-0013 0.035" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0014 LF 1/4", 0.035" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	9.15 1.99	3.34
40 05 23 23-0015 LF 3/8", 0.035" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	10.58 2.39	3.96
40 05 23 23-0016 LF 1/2", 0.035" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	12.64 2.79	4.70
40 05 23 23-0017 LF 5/8", 0.035" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	20.81 3.19	5.32
40 05 23 23-0018 LF 3/4", 0.035" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	24.70 3.59	5.94
40 05 23 23-0019 LF 7/8", 0.035" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	27.35 3.99	6.68
40 05 23 23-0020 LF 1", 0.035" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	30.50 4.79	8.04
40 05 23 23-0021 0.049" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0022 LF 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	15.37 2.39	3.96
40 05 23 23-0023 LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	17.10 2.79	4.70
40 05 23 23-0024 LF 1/2", 0.049" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	20.59 3.19	5.32
40 05 23 23-0025 LF 5/8", 0.049" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	26.06 3.99	6.68
40 05 23 23-0026 LF 3/4", 0.049" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	29.77 4.79	8.04
40 05 23 23-0027 LF 7/8", 0.049" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	33.43 5.58	9.27
40 05 23 23-0028 LF 1", 0.049" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	38.58 6.35	10.52
40 05 23 23-0029 0.065" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030 LF 1/4", 0.065" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	17.93 2.79	4.70
40 05 23 23-0031 LF 3/8", 0.065" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	20.65 3.19	5.32
40 05 23 23-0032 LF 1/2", 0.065" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	25.45 3.99	6.68
40 05 23 23-0033 LF 5/8", 0.065" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	29.88 4.79	8.04
40 05 23 23-0034 LF 3/4", 0.065" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	35.26 5.58	9.27
40 05 23 23-0035 LF 7/8", 0.065" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	40.53 6.35	10.52
40 05 23 23-0036 LF 1", 0.065" Wall, Type 304, Stainless Steel Tubing For Work In Restricted Working Space, Add	45.68 7.14	11.88



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0037	Type 304 Tube Fittings <small>(40 05 23 23-0011)</small>			
40 05 23 23-0038	90 Degree Elbows <small>(40 05 23 23-0037)</small>			
40 05 23 23-0039	EA 1/4", Type 304, Stainless Steel, 90 Degree Elbow	58.11	13.37	
	<i>For Work In Restricted Working Space, Add</i>	7.98		
40 05 23 23-0040	EA 3/8", Type 304, Stainless Steel, 90 Degree Elbow	68.83	14.60	
	<i>For Work In Restricted Working Space, Add</i>	8.74		
40 05 23 23-0041	EA 1/2", Type 304, Stainless Steel, 90 Degree Elbow	104.21	16.46	
	<i>For Work In Restricted Working Space, Add</i>	9.90		
40 05 23 23-0042	EA 5/8", Type 304, Stainless Steel, 90 Degree Elbow	111.23	18.44	
	<i>For Work In Restricted Working Space, Add</i>	11.08		
40 05 23 23-0043	EA 3/4", Type 304, Stainless Steel, 90 Degree Elbow	124.47	19.92	
	<i>For Work In Restricted Working Space, Add</i>	11.97		
40 05 23 23-0044	EA 7/8", Type 304, Stainless Steel, 90 Degree Elbow	170.51	22.15	
	<i>For Work In Restricted Working Space, Add</i>	13.26		
40 05 23 23-0045	EA 1", Type 304, Stainless Steel, 90 Degree Elbow	217.31	26.36	
	<i>For Work In Restricted Working Space, Add</i>	15.80		
40 05 23 23-0046	Union Tees <small>(40 05 23 23-0037)</small>			
40 05 23 23-0047	EA 1/4", Type 304, Stainless Steel, Union Tee	92.29	19.92	
	<i>For Work In Restricted Working Space, Add</i>	11.97		
40 05 23 23-0048	EA 3/8", Type 304, Stainless Steel, Union Tee	112.14	22.15	
	<i>For Work In Restricted Working Space, Add</i>	13.26		
40 05 23 23-0049	EA 1/2", Type 304, Stainless Steel, Union Tee	153.73	24.74	
	<i>For Work In Restricted Working Space, Add</i>	14.85		
40 05 23 23-0050	EA 5/8", Type 304, Stainless Steel, Union Tee	165.27	28.09	
	<i>For Work In Restricted Working Space, Add</i>	16.87		
40 05 23 23-0051	EA 3/4", Type 304, Stainless Steel, Union Tee	211.66	30.19	
	<i>For Work In Restricted Working Space, Add</i>	18.11		
40 05 23 23-0052	EA 7/8", Type 304, Stainless Steel, Union Tee	337.67	33.41	
	<i>For Work In Restricted Working Space, Add</i>	20.06		
40 05 23 23-0053	EA 1", Type 304, Stainless Steel, Union Tee	404.70	39.97	
	<i>For Work In Restricted Working Space, Add</i>	23.95		
40 05 23 23-0054	Unions <small>(40 05 23 23-0037)</small>			
40 05 23 23-0055	EA 1/4", Type 304, Stainless Steel, Union	88.12	19.92	
	<i>For Work In Restricted Working Space, Add</i>	11.97		
40 05 23 23-0056	EA 3/8", Type 304, Stainless Steel, Union	114.49	22.15	
	<i>For Work In Restricted Working Space, Add</i>	13.26		
40 05 23 23-0057	EA 1/2", Type 304, Stainless Steel, Union	155.27	24.74	
	<i>For Work In Restricted Working Space, Add</i>	14.85		
40 05 23 23-0058	EA 5/8", Type 304, Stainless Steel, Union	189.48	28.09	
	<i>For Work In Restricted Working Space, Add</i>	16.87		
40 05 23 23-0059	EA 3/4", Type 304, Stainless Steel, Union	226.39	30.19	
	<i>For Work In Restricted Working Space, Add</i>	18.11		
40 05 23 23-0060	EA 7/8", Type 304, Stainless Steel, Union	349.42	33.41	
	<i>For Work In Restricted Working Space, Add</i>	20.06		
40 05 23 23-0061	EA 1", Type 304, Stainless Steel, Union	371.40	39.97	
	<i>For Work In Restricted Working Space, Add</i>	23.95		
40 05 23 23-0062	Male Connectors <small>(40 05 23 23-0037)</small>			
40 05 23 23-0063	EA 1/4" x 1/4", Type 304, Stainless Steel, Male Connection	43.19	13.37	
	<i>For Work In Restricted Working Space, Add</i>	7.98		
40 05 23 23-0064	EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection	54.16	14.60	
	<i>For Work In Restricted Working Space, Add</i>	8.74		
40 05 23 23-0065	EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection	70.47	16.46	
	<i>For Work In Restricted Working Space, Add</i>	9.90		
40 05 23 23-0066	EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304	79.42	18.44	
	<i>For Work In Restricted Working Space, Add</i>	11.08		
40 05 23 23-0067	EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection	96.20	19.92	
	<i>For Work In Restricted Working Space, Add</i>	11.97		
40 05 23 23-0068	EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection	145.72	22.15	
	<i>For Work In Restricted Working Space, Add</i>	13.26		
40 05 23 23-0069	EA 1" x 1", Type 304, Stainless Steel, Male Connection	152.28	26.36	
	<i>For Work In Restricted Working Space, Add</i>	15.80		
40 05 23 23-0070	Type 304 Valves <small>(40 05 23 23-0011)</small>			
40 05 23 23-0071	Gate Valves <small>(40 05 23 23-0070)</small>			
40 05 23 23-0072	EA 1/4" Gate Valve, Stainless Steel Type 304	233.39	19.92	
	<i>For Work In Restricted Working Space, Add</i>	10.81		
40 05 23 23-0073	EA 3/8" Gate Valve, Stainless Steel Type 304	393.80	23.39	
	<i>For Work In Restricted Working Space, Add</i>	11.38		
40 05 23 23-0074	EA 1/2" Gate Valve, Stainless Steel Type 304	408.52	26.36	
	<i>For Work In Restricted Working Space, Add</i>	15.80		
40 05 23 23-0075	EA 3/4" Gate Valve, Stainless Steel Type 304	452.81	30.19	
	<i>For Work In Restricted Working Space, Add</i>	18.11		
40 05 23 23-0076	EA 1" Gate Valve, Stainless Steel Type 304	415.10	39.97	
	<i>For Work In Restricted Working Space, Add</i>	23.95		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0077 Globe Valves <small>(40 05 23 23-0070)</small>		
40 05 23 23-0078 EA 1/4" Globe Valve, Stainless Steel Type 304	236.62	19.92
For Work In Restricted Working Space, Add	10.87	
40 05 23 23-0079 EA 3/8" Globe Valve, Stainless Steel Type 304	155.99	23.39
For Work In Restricted Working Space, Add	11.38	
40 05 23 23-0080 EA 1/2" Globe Valve, Stainless Steel Type 304	280.61	26.36
For Work In Restricted Working Space, Add	15.80	
40 05 23 23-0081 EA 3/4" Globe Valve, Stainless Steel Type 304	312.33	30.19
For Work In Restricted Working Space, Add	18.11	
40 05 23 23-0082 EA 1" Globe Valve, Stainless Steel Type 304	455.81	39.97
For Work In Restricted Working Space, Add	23.95	
40 05 23 23-0083 Check Valves <small>(40 05 23 23-0070)</small>		
40 05 23 23-0084 EA 1/4" Check Valve, Stainless Steel Type 304	331.65	19.92
For Work In Restricted Working Space, Add	10.87	
40 05 23 23-0085 EA 3/8" Check Valve, Stainless Steel Type 304	333.55	23.39
For Work In Restricted Working Space, Add	11.38	
40 05 23 23-0086 EA 1/2" Check Valve, Stainless Steel Type 304	217.89	26.36
For Work In Restricted Working Space, Add	15.80	
40 05 23 23-0087 EA 3/4" Check Valve, Stainless Steel Type 304	227.99	30.19
For Work In Restricted Working Space, Add	18.11	
40 05 23 23-0088 EA 1" Check Valve, Stainless Steel Type 304	252.25	39.97
For Work In Restricted Working Space, Add	23.95	
40 05 23 23-0089 Plug Valves <small>(40 05 23 23-0070)</small>		
40 05 23 23-0090 EA 1/2" Plug Valve, Stainless Steel Type 304	513.04	26.36
For Work In Restricted Working Space, Add	15.80	
40 05 23 23-0091 EA 3/4" Plug Valve, Stainless Steel Type 304	561.66	30.19
For Work In Restricted Working Space, Add	18.11	
40 05 23 23-0092 EA 1" Plug Valve, Stainless Steel Type 304	635.69	39.97
For Work In Restricted Working Space, Add	23.95	
40 05 23 23-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304	883.38	45.16
For Work In Restricted Working Space, Add	27.09	
40 05 23 23-0094 EA 2" Plug Valve, Stainless Steel Type 304	1,150.20	61.86
For Work In Restricted Working Space, Add	37.12	
40 05 23 23-0095 Type 316 Tubing <small>(40 05 23 23-0011)</small>		
40 05 23 23-0096 0.035" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	9.53	3.34
For Work In Restricted Working Space, Add	1.99	
40 05 23 23-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	12.44	3.96
For Work In Restricted Working Space, Add	2.39	
40 05 23 23-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	13.78	4.70
For Work In Restricted Working Space, Add	2.79	
40 05 23 23-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	23.82	5.32
For Work In Restricted Working Space, Add	3.19	
40 05 23 23-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	27.04	5.94
For Work In Restricted Working Space, Add	3.59	
40 05 23 23-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	34.53	6.68
For Work In Restricted Working Space, Add	3.99	
40 05 23 23-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall	36.06	8.04
For Work In Restricted Working Space, Add	4.79	
40 05 23 23-0104 0.049" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	16.98	3.96
For Work In Restricted Working Space, Add	2.39	
40 05 23 23-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	18.79	4.70
For Work In Restricted Working Space, Add	2.79	
40 05 23 23-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	22.17	5.32
For Work In Restricted Working Space, Add	3.19	
40 05 23 23-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	28.99	6.68
For Work In Restricted Working Space, Add	3.99	
40 05 23 23-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	33.41	8.04
For Work In Restricted Working Space, Add	4.79	
40 05 23 23-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	42.78	9.27
For Work In Restricted Working Space, Add	5.58	
40 05 23 23-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall	43.49	10.52
For Work In Restricted Working Space, Add	6.35	
40 05 23 23-0112 0.065" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	19.85	4.70
For Work In Restricted Working Space, Add	2.79	
40 05 23 23-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	22.11	5.32
For Work In Restricted Working Space, Add	3.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall.....	27.75	6.68
<i>For Work In Restricted Working Space, Add</i>	3.99	
40 05 23 23-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall.....	33.05	8.04
<i>For Work In Restricted Working Space, Add</i>	4.79	
40 05 23 23-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall.....	40.12	9.27
<i>For Work In Restricted Working Space, Add</i>	5.58	
40 05 23 23-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall.....	44.14	10.52
<i>For Work In Restricted Working Space, Add</i>	6.35	
40 05 23 23-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall.....	51.49	11.88
<i>For Work In Restricted Working Space, Add</i>	7.14	
40 05 23 23-0120 Type 316 Tube Fittings (40 05 23 23-0011)		
40 05 23 23-0121 90 Degree Elbows (40 05 23 23-0120)		
40 05 23 23-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316	80.84	13.37
<i>For Work In Restricted Working Space, Add</i>	7.98	
40 05 23 23-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316	97.50	14.60
<i>For Work In Restricted Working Space, Add</i>	8.74	
40 05 23 23-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316	155.61	16.46
<i>For Work In Restricted Working Space, Add</i>	9.90	
40 05 23 23-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316	164.86	18.44
<i>For Work In Restricted Working Space, Add</i>	11.08	
40 05 23 23-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316	185.51	19.92
<i>For Work In Restricted Working Space, Add</i>	11.97	
40 05 23 23-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316	261.71	22.15
<i>For Work In Restricted Working Space, Add</i>	13.26	
40 05 23 23-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316	336.20	26.36
<i>For Work In Restricted Working Space, Add</i>	15.80	
40 05 23 23-0129 Union Tees (40 05 23 23-0120)		
40 05 23 23-0130 EA 1/4" Union Tee, Stainless Steel Type 316	130.10	19.92
<i>For Work In Restricted Working Space, Add</i>	11.97	
40 05 23 23-0131 EA 3/8" Union Tee, Stainless Steel Type 316	161.20	22.15
<i>For Work In Restricted Working Space, Add</i>	13.26	
40 05 23 23-0132 EA 1/2" Union Tee, Stainless Steel Type 316	228.99	24.74
<i>For Work In Restricted Working Space, Add</i>	14.85	
40 05 23 23-0133 EA 5/8" Union Tee, Stainless Steel Type 316	243.99	28.09
<i>For Work In Restricted Working Space, Add</i>	16.87	
40 05 23 23-0134 EA 3/4" Union Tee, Stainless Steel Type 316	320.91	30.19
<i>For Work In Restricted Working Space, Add</i>	18.11	
40 05 23 23-0135 EA 7/8" Union Tee, Stainless Steel Type 316	533.17	33.41
<i>For Work In Restricted Working Space, Add</i>	20.06	
40 05 23 23-0136 EA 1" Union Tee, Stainless Steel Type 316	639.25	39.97
<i>For Work In Restricted Working Space, Add</i>	23.95	
40 05 23 23-0137 Unions (40 05 23 23-0120)		
40 05 23 23-0138 EA 1/4" Union, Stainless Steel Type 316.....	82.35	19.92
<i>For Work In Restricted Working Space, Add</i>	11.97	
40 05 23 23-0139 EA 3/8" Union, Stainless Steel Type 316.....	106.09	22.15
<i>For Work In Restricted Working Space, Add</i>	13.26	
40 05 23 23-0140 EA 1/2" Union, Stainless Steel Type 316.....	142.63	24.74
<i>For Work In Restricted Working Space, Add</i>	14.85	
40 05 23 23-0141 EA 5/8" Union, Stainless Steel Type 316.....	173.55	28.09
<i>For Work In Restricted Working Space, Add</i>	16.87	
40 05 23 23-0142 EA 3/4" Union, Stainless Steel Type 316.....	206.54	30.19
<i>For Work In Restricted Working Space, Add</i>	18.11	
40 05 23 23-0143 EA 7/8" Union, Stainless Steel Type 316.....	315.65	33.41
<i>For Work In Restricted Working Space, Add</i>	20.06	
40 05 23 23-0144 EA 1" Union, Stainless Steel Type 316	336.54	39.97
<i>For Work In Restricted Working Space, Add</i>	23.95	
40 05 23 23-0145 Male Connectors (40 05 23 23-0120)		
40 05 23 23-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	54.91	13.37
<i>For Work In Restricted Working Space, Add</i>	7.98	
40 05 23 23-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	71.86	14.60
<i>For Work In Restricted Working Space, Add</i>	8.74	
40 05 23 23-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	96.96	16.46
<i>For Work In Restricted Working Space, Add</i>	9.90	
40 05 23 23-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	109.45	18.44
<i>For Work In Restricted Working Space, Add</i>	11.08	
40 05 23 23-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	136.00	19.92
<i>For Work In Restricted Working Space, Add</i>	11.97	
40 05 23 23-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	217.50	22.15
<i>For Work In Restricted Working Space, Add</i>	13.26	
40 05 23 23-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316.....	222.72	26.36
<i>For Work In Restricted Working Space, Add</i>	15.80	
40 05 23 23-0153 Type 316 Valves (40 05 23 23-0011)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0154 Gate Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0155 EA 1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	297.11 10.81	19.92
40 05 23 23-0156 EA 3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	508.70 11.38	23.39
40 05 23 23-0157 EA 1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	523.42 15.80	26.36
40 05 23 23-0158 EA 3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	579.53 18.11	30.19
40 05 23 23-0159 EA 1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	523.35 23.95	39.97
40 05 23 23-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	720.33 24.87	41.45
40 05 23 23-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,159.53 27.09	45.16
40 05 23 23-0162 EA 2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,378.28 37.12	61.86
40 05 23 23-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,035.51 118.81	198.08
40 05 23 23-0164 Globe Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0165 EA 1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	301.39 10.81	19.92
40 05 23 23-0166 EA 3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	194.12 11.38	23.39
40 05 23 23-0167 EA 1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	354.22 15.80	26.36
40 05 23 23-0168 EA 3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	393.69 18.11	30.19
40 05 23 23-0169 EA 1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	577.20 23.95	39.97
40 05 23 23-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	721.78 24.68	41.20
40 05 23 23-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,202.30 27.09	45.16
40 05 23 23-0172 EA 2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,421.05 37.12	61.86
40 05 23 23-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,764.64 118.81	198.08
40 05 23 23-0174 Check Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0175 EA 1/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	427.09 10.81	19.92
40 05 23 23-0176 EA 3/8" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	428.99 11.38	23.39
40 05 23 23-0177 EA 1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	271.25 15.80	26.36
40 05 23 23-0178 EA 3/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	282.11 18.11	30.19
40 05 23 23-0179 EA 1" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	307.92 23.95	39.97
40 05 23 23-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	427.61 24.87	41.45
40 05 23 23-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	959.94 27.09	45.16
40 05 23 23-0182 EA 2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,164.44 37.12	61.86
40 05 23 23-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,296.87 118.81	198.08
40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 23-0153)</small>		
40 05 23 23-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	457.93 15.80	26.36
40 05 23 23-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	535.02 18.11	30.19
40 05 23 23-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	682.18 23.95	39.97
40 05 23 23-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,089.62 27.09	45.16
40 05 23 23-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,522.77 37.12	61.86
40 05 23 23-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 23-0153)</small>		
40 05 23 23-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	607.82 15.80	26.36
40 05 23 23-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	698.80 18.11	30.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	845.96 23.95	39.97
40 05 23 23-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,320.01 27.09	45.16
40 05 23 23-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,797.57 37.12	61.86
40 05 23 23-0196 Strainers (40 05 23 23-0153)		
40 05 23 23-0197 EA 1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	609.27 15.80	26.36
40 05 23 23-0198 EA 3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	729.32 18.19	30.31
40 05 23 23-0199 EA 1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	954.17 24.13	40.21
40 05 23 23-0200 EA 1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,186.06 24.87	41.45
40 05 23 23-0201 EA 1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,489.72 27.10	45.16
40 05 23 23-0202 EA 2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,148.85 37.12	61.86
40 05 23 23-0203 EA 2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,953.51 49.37	82.28
40 05 23 23-0204 EA 3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,300.55 74.24	123.73
40 05 23 23-0205 EA 4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,498.89 118.77	197.95
40 05 23 23-0206 Plug Valves (40 05 23 23-0153)		
40 05 23 23-0207 EA 1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	649.50 15.80	26.36
40 05 23 23-0208 EA 3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	710.25 18.11	30.19
40 05 23 23-0209 EA 1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	800.46 23.95	39.97
40 05 23 23-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,118.46 27.09	45.16
40 05 23 23-0211 EA 2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,454.46 37.12	61.86
40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place (40 05 23 23-0011)		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe.....	24.73	
40 05 23 23-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe.....	26.71	
40 05 23 23-0215 EA Cut And Prepare 1" Stainless Steel Pipe.....	30.05	
40 05 23 23-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe.....	31.53	
40 05 23 23-0217 EA Cut And Prepare 1-1/2" Stainless Steel Pipe.....	33.38	
40 05 23 23-0218 EA Cut And Prepare 2" Stainless Steel Pipe.....	35.85	
40 05 23 23-0219 EA Cut And Prepare 2-1/2" Stainless Steel Pipe.....	38.34	
40 05 23 23-0220 EA Cut And Prepare 3" Stainless Steel Pipe.....	42.04	
40 05 23 23-0221 EA Cut And Prepare 4" Stainless Steel Pipe.....	45.75	
40 05 23 23-0222 EA Cut And Prepare 6" Stainless Steel Pipe.....	49.46	
40 05 23 23-0223 EA Cut And Prepare 8" Stainless Steel Pipe.....	53.17	
40 05 23 23-0224 EA Cut And Prepare 10" Stainless Steel Pipe.....	58.12	
40 05 23 23-0225 EA Cut And Prepare 12" Stainless Steel Pipe.....	63.07	
40 05 23 23-0226 EA Cut And Prepare 14" Stainless Steel Pipe.....	68.00	
40 05 23 23-0227 EA Cut And Prepare 16" Stainless Steel Pipe.....	72.95	
40 05 23 23-0228 EA Cut And Prepare 18" Stainless Steel Pipe.....	76.67	
40 05 23 23-0229 EA Cut And Prepare 20" Stainless Steel Pipe.....	80.37	
40 05 23 23-0230 EA Cut And Prepare 24" Stainless Steel Pipe.....	85.32	
40 05 23 23-0231 Stainless Steel Pipe And Fittings (40 05 23 23)		
40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)		
40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)		
40 05 23 23-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	20.59 3.19	5.32
40 05 23 23-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	25.29 3.99	6.68
40 05 23 23-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.18 4.79	8.04
40 05 23 23-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	37.63 5.58	9.27
40 05 23 23-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	43.64 6.35	10.52
40 05 23 23-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	55.87 7.98	13.37

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	76.89 9.52	15.84
40 05 23	23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	96.65 11.97	19.92
40 05 23	23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	131.19 15.80	26.36
40 05 23	23-0243		150#, Type 304 Stainless Steel Threaded 90 Degree Elbows <small>(40 05 23 23-0232)</small>		
40 05 23	23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.24 11.97	19.92
40 05 23	23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	57.41 15.80	26.36
40 05 23	23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	73.82 20.06	33.41
40 05 23	23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	103.50 27.50	45.78
40 05 23	23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	123.36 32.27	53.82
40 05 23	23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	150.26 39.07	65.08
40 05 23	23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	251.83 61.86	103.06
40 05 23	23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	324.19 79.82	133.00
40 05 23	23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	443.33 98.98	164.93
40 05 23	23-0253		150#, Type 304 Stainless Steel Threaded 45 Degree Elbows <small>(40 05 23 23-0232)</small>		
40 05 23	23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.01 11.97	19.92
40 05 23	23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	58.65 15.80	26.36
40 05 23	23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.21 20.06	33.41
40 05 23	23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	103.35 27.50	45.78
40 05 23	23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.53 32.27	53.82
40 05 23	23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	149.84 39.07	65.08
40 05 23	23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	260.14 61.86	103.06
40 05 23	23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	340.40 79.82	133.00
40 05 23	23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	462.21 98.98	164.93
40 05 23	23-0263		150#, Type 304 Stainless Steel Threaded Tees <small>(40 05 23 23-0232)</small>		
40 05 23	23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	64.88 18.11	30.19
40 05 23	23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	87.00 23.95	39.97
40 05 23	23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	108.12 29.69	49.49
40 05 23	23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	155.65 41.24	68.79
40 05 23	23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	177.25 46.40	77.33
40 05 23	23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	235.23 61.86	103.06
40 05 23	23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	360.37 89.44	149.09
40 05 23	23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	488.79 119.73	199.57
40 05 23	23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	656.87 148.47	247.45
40 05 23	23-0273		150#, Type 304 Stainless Steel Threaded Reducers <small>(40 05 23 23-0232)</small>		
40 05 23	23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	56.84 15.80	26.36
40 05 23	23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	72.60 20.06	33.41
40 05 23	23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	100.02 27.50	45.78
40 05 23	23-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	119.63 32.27	53.82
40 05 23	23-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	150.35 39.07	65.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0279 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	249.37 61.86	103.06
40 05 23 23-0280 EA 3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	327.55 79.82	133.00
40 05 23 23-0281 EA 4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	431.73 98.98	164.93
40 05 23 23-0282 150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)		
40 05 23 23-0283 EA 1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	22.17 5.99	10.02
40 05 23 23-0284 EA 3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	29.39 7.98	13.37
40 05 23 23-0285 EA 1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	37.16 9.90	16.46
40 05 23 23-0286 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	54.22 14.00	23.39
40 05 23 23-0287 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	62.54 15.80	26.36
40 05 23 23-0288 EA 2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	79.48 20.06	33.41
40 05 23 23-0289 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	121.73 29.69	49.49
40 05 23 23-0290 EA 3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	161.67 39.07	65.08
40 05 23 23-0291 EA 4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	218.17 49.49	82.52
40 05 23 23-0292 150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)		
40 05 23 23-0293 EA 1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	69.70 18.11	30.19
40 05 23 23-0294 EA 3/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	91.67 23.95	39.97
40 05 23 23-0295 EA 1", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	116.88 29.69	49.49
40 05 23 23-0296 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	168.52 41.24	68.79
40 05 23 23-0297 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	189.74 46.40	77.33
40 05 23 23-0298 EA 2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	248.24 61.86	103.06
40 05 23 23-0299 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	423.15 92.79	154.65
40 05 23 23-0300 EA 3", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	542.48 119.74	199.57
40 05 23 23-0301 EA 4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	562.66 98.99	164.99
40 05 23 23-0302 150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)		
40 05 23 23-0303 EA 1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	42.92 11.97	19.92
40 05 23 23-0304 EA 3/4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	56.99 15.80	26.36
40 05 23 23-0305 EA 1", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	73.48 20.06	33.41
40 05 23 23-0306 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	102.14 27.50	45.78
40 05 23 23-0307 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	120.03 32.27	53.82
40 05 23 23-0308 EA 2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	147.79 39.07	65.08
40 05 23 23-0309 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	244.74 61.86	103.06
40 05 23 23-0310 EA 3", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	315.89 79.82	133.00
40 05 23 23-0311 EA 4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	407.32 98.98	164.93
40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)		
40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)		
40 05 23 23-0314 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	25.86 3.19	5.32
40 05 23 23-0315 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	30.49 3.99	6.68
40 05 23 23-0316 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	38.65 4.79	8.04
40 05 23 23-0317 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	47.40 5.58	9.27

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0318 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	55.21 6.35	10.52
40 05 23 23-0319 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	71.36 7.98	13.37
40 05 23 23-0320 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	98.53 9.52	15.84
40 05 23 23-0321 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	128.93 11.97	19.92
40 05 23 23-0322 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	173.21 15.80	26.36
40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0324 EA 1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	44.25 11.97	19.92
40 05 23 23-0325 EA 3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	58.91 15.80	26.36
40 05 23 23-0326 EA 1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	74.74 20.06	33.41
40 05 23 23-0327 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	105.15 27.50	45.78
40 05 23 23-0328 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	125.56 32.27	53.82
40 05 23 23-0329 EA 2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	152.98 39.07	65.08
40 05 23 23-0330 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	256.17 61.86	103.06
40 05 23 23-0331 EA 3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	334.81 79.82	133.00
40 05 23 23-0332 EA 4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	456.23 98.98	164.93
40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0334 EA 1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	45.06 11.97	19.92
40 05 23 23-0335 EA 3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	59.42 15.80	26.36
40 05 23 23-0336 EA 1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	75.34 20.06	33.41
40 05 23 23-0337 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	104.98 27.50	45.78
40 05 23 23-0338 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	123.43 32.27	53.82
40 05 23 23-0339 EA 2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	152.38 39.07	65.08
40 05 23 23-0340 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	264.22 61.86	103.06
40 05 23 23-0341 EA 3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	349.80 79.82	133.00
40 05 23 23-0342 EA 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	487.56 98.98	164.93
40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees (40 05 23 23-0312)		
40 05 23 23-0344 EA 1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	65.95 18.11	30.19
40 05 23 23-0345 EA 3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	88.09 23.95	39.97
40 05 23 23-0346 EA 1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	109.34 29.69	49.49
40 05 23 23-0347 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	158.12 41.24	68.79
40 05 23 23-0348 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	179.70 46.40	77.33
40 05 23 23-0349 EA 2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	238.46 61.86	103.06
40 05 23 23-0350 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	373.54 89.44	149.09
40 05 23 23-0351 EA 3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	506.75 119.73	199.57
40 05 23 23-0352 EA 4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	670.26 148.47	247.45
40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)		
40 05 23 23-0354 EA 3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	57.75 15.80	26.36
40 05 23 23-0355 EA 1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	75.32 20.06	33.41
40 05 23 23-0356 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	100.53 27.50	45.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0357 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	122.30 32.27	53.82
40 05 23 23-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	155.03 39.07	65.08
40 05 23 23-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	260.01 61.86	103.06
40 05 23 23-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	339.29 79.82	133.00
40 05 23 23-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	451.32 98.98	164.93
40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)		
40 05 23 23-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	22.77 5.99	10.02
40 05 23 23-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	29.83 7.98	13.37
40 05 23 23-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	37.96 9.90	16.46
40 05 23 23-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	56.42 14.00	23.39
40 05 23 23-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	65.14 15.80	26.36
40 05 23 23-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	82.88 20.06	33.41
40 05 23 23-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	127.34 29.69	49.49
40 05 23 23-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	167.37 39.07	65.08
40 05 23 23-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	229.49 49.49	82.52
40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)		
40 05 23 23-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	70.99 18.11	30.19
40 05 23 23-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	96.52 23.95	39.97
40 05 23 23-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	119.33 29.69	49.49
40 05 23 23-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	172.69 41.24	68.79
40 05 23 23-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	194.61 46.40	77.33
40 05 23 23-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	253.88 61.86	103.06
40 05 23 23-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	431.80 92.79	154.65
40 05 23 23-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	569.44 119.74	199.57
40 05 23 23-0381 EA 4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	620.11 98.99	164.99
40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)		
40 05 23 23-0383 EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	44.95 11.97	19.92
40 05 23 23-0384 EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	57.93 15.80	26.36
40 05 23 23-0385 EA 1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	74.38 20.06	33.41
40 05 23 23-0386 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	103.57 27.50	45.78
40 05 23 23-0387 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	121.74 32.27	53.82
40 05 23 23-0388 EA 2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	150.16 39.07	65.08
40 05 23 23-0389 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	253.03 61.86	103.06
40 05 23 23-0390 EA 3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	326.56 79.82	133.00
40 05 23 23-0391 EA 4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	423.34 98.98	164.93
40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)		
40 05 23 23-0394 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	23.30 3.12	5.20
40 05 23 23-0395 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	27.64 3.81	6.35

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	37.14 4.47	7.51
40 05 23	23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	45.23 5.59	9.36
40 05 23	23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	50.24 6.30	10.51
40 05 23	23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	62.13 7.81	13.06
40 05 23	23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	74.65 8.92	14.90
40 05 23	23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	88.53 10.04	16.74
40 05 23	23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	111.85 11.89	19.87
40 05 23	23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	164.78 15.61	26.10
40 05 23	23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	270.21 29.27	45.55
40 05 23	23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	350.43 32.20	50.08
40 05 23	23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	422.26 35.78	55.69
40 05 23	23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	523.35 40.25	62.61
40 05 23	23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	574.54 46.00	71.55
40 05 23	23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	641.53 53.66	83.48
40 05 23	23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	901.03 64.39	100.16
40 05 23	23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	1,178.65 80.49	125.20
40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow (40 05 23 23-0392)					
40 05 23	23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	136.85 39.50	59.25
40 05 23	23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	144.95 41.93	62.89
40 05 23	23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	159.71 46.08	69.12
40 05 23	23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	174.29 50.22	75.33
40 05 23	23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	192.50 55.46	83.19
40 05 23	23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	215.13 61.70	92.55
40 05 23	23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	279.41 78.97	118.45
40 05 23	23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	327.73 92.55	138.82
40 05 23	23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	400.71 110.78	166.16
40 05 23	23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	545.57 138.38	207.57
40 05 23	23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	921.28 229.97	344.96
40 05 23	23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,353.96 306.63	459.95
40 05 23	23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,044.46 459.95	689.93
40 05 23	23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,416.24 536.61	804.91
40 05 23	23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,835.05 612.11	918.15
40 05 23	23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,581.89 766.58	1,149.88
40 05 23	23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,994.55 1,073.22	1,609.83
40 05 23	23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,168.65 1,533.17	2,299.75
40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23-0392)					
40 05 23	23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	138.38 39.50	59.25
40 05 23	23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	146.48 41.93	62.89
40 05 23	23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	161.54 46.08	69.12
40 05 23	23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	176.73 50.22	75.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0436 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	192.80 55.46	83.19
40 05 23 23-0437 EA 2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	215.13 61.70	92.55
40 05 23 23-0438 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	277.88 78.97	118.45
40 05 23 23-0439 EA 3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	324.98 92.55	138.82
40 05 23 23-0440 EA 4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	395.52 110.78	166.16
40 05 23 23-0441 EA 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	518.39 138.38	207.57
40 05 23 23-0442 EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	868.84 229.97	344.96
40 05 23 23-0443 EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,260.61 306.63	459.95
40 05 23 23-0444 EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,896.67 459.95	689.93
40 05 23 23-0445 EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,234.84 536.61	804.91
40 05 23 23-0446 EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,611.17 612.11	918.15
40 05 23 23-0447 EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,287.89 766.58	1,149.88
40 05 23 23-0448 EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,597.84 1,073.22	1,609.83
40 05 23 23-0449 EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,605.90 1,533.17	2,299.75
40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)		
40 05 23 23-0451 EA 1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	184.15 50.21	75.31
40 05 23 23-0452 EA 3/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	222.24 61.63	92.45
40 05 23 23-0453 EA 1", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	247.62 69.25	103.88
40 05 23 23-0454 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	281.88 78.97	118.45
40 05 23 23-0455 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	299.35 84.77	127.15
40 05 23 23-0456 EA 2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	326.20 92.45	138.68
40 05 23 23-0457 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	420.10 110.78	166.16
40 05 23 23-0458 EA 3", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	495.75 138.83	208.25
40 05 23 23-0459 EA 4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	568.83 155.81	233.71
40 05 23 23-0460 EA 6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	824.11 207.74	311.61
40 05 23 23-0461 EA 8", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,332.52 306.63	459.95
40 05 23 23-0462 EA 10", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,044.46 459.95	689.93
40 05 23 23-0463 EA 12", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,626.66 574.94	862.40
40 05 23 23-0464 EA 14", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,229.05 690.91	1,036.37
40 05 23 23-0465 EA 16", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,912.23 842.84	1,264.26
40 05 23 23-0466 EA 18", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,978.25 1,073.22	1,609.83
40 05 23 23-0467 EA 20", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,654.35 1,412.13	2,118.20
40 05 23 23-0468 EA 24", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,979.65 2,146.43	3,219.65
40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0392)		
40 05 23 23-0470 EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	169.74 41.94	62.92
40 05 23 23-0471 EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	201.25 51.40	77.10
40 05 23 23-0472 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	247.15 57.75	86.63
40 05 23 23-0473 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	257.03 65.84	98.75
40 05 23 23-0474 EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	269.72 70.75	106.11
40 05 23 23-0475 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	348.92 77.10	115.64
40 05 23 23-0476 EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	411.28 92.41	138.62

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0477 EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	507.18 115.50	173.25
40 05 23 23-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	665.33 131.98	197.96
40 05 23 23-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,235.21 191.65	287.46
40 05 23 23-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,028.39 255.53	383.29
40 05 23 23-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,900.58 383.29	574.94
40 05 23 23-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,518.58 460.48	690.72
40 05 23 23-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,356.62 561.70	842.55
40 05 23 23-0484 EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,624.58 715.48	1,073.22
40 05 23 23-0485 EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,989.51 941.42	1,412.12
40 05 23 23-0486 EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	12,492.44 1,429.69	2,144.53
40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0392)		
40 05 23 23-0488 EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	137.53 38.15	57.22
40 05 23 23-0489 EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	151.38 41.57	62.34
40 05 23 23-0490 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	167.82 46.08	69.12
40 05 23 23-0491 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	178.70 50.22	75.33
40 05 23 23-0492 EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	194.94 55.46	83.19
40 05 23 23-0493 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	260.93 69.30	103.95
40 05 23 23-0494 EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	295.06 78.90	118.35
40 05 23 23-0495 EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	344.89 92.45	138.68
40 05 23 23-0496 EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	444.86 117.70	176.55
40 05 23 23-0497 EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	697.65 183.98	275.97
40 05 23 23-0498 EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	886.98 229.97	344.96
40 05 23 23-0499 EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,192.65 306.63	459.95
40 05 23 23-0500 EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,696.22 402.46	603.68
40 05 23 23-0501 EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,982.07 458.64	687.95
40 05 23 23-0502 EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,441.28 574.94	862.40
40 05 23 23-0503 EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,422.29 766.58	1,149.88
40 05 23 23-0504 EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,940.12 1,149.88	1,724.81
40 05 23 23-0505 EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	166.25 38.15	57.22
40 05 23 23-0506 EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	172.45 41.57	62.34
40 05 23 23-0507 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	182.25 46.08	69.12
40 05 23 23-0508 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	204.97 50.22	75.33
40 05 23 23-0509 EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	213.88 55.46	83.19
40 05 23 23-0510 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	281.70 69.30	103.95
40 05 23 23-0511 EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	315.52 78.90	118.35
40 05 23 23-0512 EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	360.71 92.45	138.68
40 05 23 23-0513 EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	501.98 117.70	176.55
40 05 23 23-0514 EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	820.08 183.98	275.97
40 05 23 23-0515 EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,125.80 229.97	344.96
40 05 23 23-0516 EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,413.33 306.63	459.95
40 05 23 23-0517 EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,205.30 402.46	603.68



Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Stainless Steel Process Pipe and Tubing 40 05 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0518 EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,565.39 458.64	687.95
40 05 23 23-0519 EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,153.20 574.94	862.40
40 05 23 23-0520 EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,563.11 766.58	1,149.88
40 05 23 23-0521 EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	6,452.05 1,149.88	1,724.81
40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)		
40 05 23 23-0523 EA 1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	75.31 19.75	29.63
40 05 23 23-0524 EA 3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	82.71 20.96	31.44
40 05 23 23-0525 EA 1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	90.84 23.04	34.55
40 05 23 23-0526 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	100.04 25.11	37.67
40 05 23 23-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	107.41 27.73	41.59
40 05 23 23-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	115.96 30.85	46.27
40 05 23 23-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	150.56 39.49	59.23
40 05 23 23-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	170.44 46.28	69.42
40 05 23 23-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	205.41 55.39	83.08
40 05 23 23-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	264.90 69.30	103.95
40 05 23 23-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	444.32 114.99	172.48
40 05 23 23-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	591.69 153.32	229.98
40 05 23 23-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	871.65 229.97	344.95
40 05 23 23-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,023.12 268.31	402.46
40 05 23 23-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,186.25 306.05	459.08
40 05 23 23-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,498.24 383.29	574.94
40 05 23 23-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,069.19 536.61	804.91
40 05 23 23-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,049.51 766.58	1,149.87
40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)		
40 05 23 23-0543 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	26.48 3.12	5.20
40 05 23 23-0544 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	32.13 3.81	6.35
40 05 23 23-0545 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.56 4.47	7.51
40 05 23 23-0546 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.46 5.59	9.24
40 05 23 23-0547 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	57.11 6.30	10.39
40 05 23 23-0548 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	73.45 7.81	13.28
40 05 23 23-0549 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	91.92 8.92	15.01
40 05 23 23-0550 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	88.22 10.04	16.74
40 05 23 23-0551 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	150.34 11.89	19.63
40 05 23 23-0552 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	237.01 15.61	25.99
40 05 23 23-0553 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	414.67 29.27	45.31
40 05 23 23-0554 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	530.12 32.20	50.08
40 05 23 23-0555 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	665.37 35.78	55.45
40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)		
40 05 23 23-0557 EA 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	138.07 39.50	59.25

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0558 EA 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	146.17 41.93	62.89
40 05 23 23-0559 EA 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	160.62 46.08	69.12
40 05 23 23-0560 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	174.95 50.22	75.33
40 05 23 23-0561 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	193.11 55.46	83.19
40 05 23 23-0562 EA 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	217.27 61.70	92.55
40 05 23 23-0563 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	287.35 78.97	118.45
40 05 23 23-0564 EA 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	339.34 92.55	138.82
40 05 23 23-0565 EA 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	420.26 110.78	166.16
40 05 23 23-0566 EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	670.49 138.38	207.57
40 05 23 23-0567 EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,091.50 229.97	344.96
40 05 23 23-0568 EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,699.33 306.63	459.95
40 05 23 23-0569 EA 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,492.41 459.95	689.93
40 05 23 23-0570 EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,959.67 536.61	804.91
40 05 23 23-0571 EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,533.16 612.11	918.15
40 05 23 23-0572 EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,551.90 766.58	1,149.88
40 05 23 23-0573 EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	6,191.81 1,073.22	1,609.83
40 05 23 23-0574 EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,876.74 1,533.17	2,299.75
40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0541)		
40 05 23 23-0576 EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	140.21 39.50	59.25
40 05 23 23-0577 EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	148.31 41.93	62.89
40 05 23 23-0578 EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	162.15 46.08	69.12
40 05 23 23-0579 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	176.51 50.22	75.33
40 05 23 23-0580 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	194.63 55.46	83.19
40 05 23 23-0581 EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	217.59 61.70	92.55
40 05 23 23-0582 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	287.35 78.97	118.45
40 05 23 23-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	330.79 92.55	138.82
40 05 23 23-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	424.84 110.78	166.16
40 05 23 23-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	566.34 138.38	207.57
40 05 23 23-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	982.31 229.97	344.96
40 05 23 23-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,426.54 306.63	459.95
40 05 23 23-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,089.99 459.95	689.93
40 05 23 23-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,371.17 536.61	804.91
40 05 23 23-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,832.48 612.11	918.15
40 05 23 23-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,574.38 766.58	1,149.88
40 05 23 23-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,872.79 1,073.22	1,609.83
40 05 23 23-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,072.75 1,533.17	2,299.75
40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)		
40 05 23 23-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	185.37 50.21	75.31
40 05 23 23-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	223.46 61.63	92.45
40 05 23 23-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	248.84 69.25	103.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	284.99 78.97	118.45
40 05 23 23-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	300.57 84.77	127.15
40 05 23 23-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	327.73 92.45	138.68
40 05 23 23-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	424.23 110.78	166.16
40 05 23 23-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	502.16 138.83	208.25
40 05 23 23-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	575.85 155.81	233.71
40 05 23 23-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	872.67 207.74	311.61
40 05 23 23-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,476.67 306.63	459.95
40 05 23 23-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,486.82 459.95	689.93
40 05 23 23-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,093.09 574.94	862.40
40 05 23 23-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,168.92 690.91	1,036.37
40 05 23 23-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,284.39 842.84	1,264.26
40 05 23 23-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,841.30 1,073.22	1,609.83
40 05 23 23-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,839.66 1,412.13	2,118.20
40 05 23 23-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	13,528.86 2,146.43	3,219.65
40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0541)</small>		
40 05 23 23-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	173.71 41.94	62.92
40 05 23 23-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	205.22 51.40	77.10
40 05 23 23-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	266.26 57.75	86.63
40 05 23 23-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	262.83 65.84	98.75
40 05 23 23-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	269.72 70.75	106.11
40 05 23 23-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	329.40 77.10	115.64
40 05 23 23-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	368.21 92.41	138.62
40 05 23 23-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	484.58 115.50	173.25
40 05 23 23-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	668.99 131.98	197.96
40 05 23 23-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,105.57 191.65	287.46
40 05 23 23-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,068.96 255.53	383.29
40 05 23 23-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,981.73 383.29	574.94
40 05 23 23-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,404.72 460.48	690.72
40 05 23 23-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,214.02 561.70	842.55
40 05 23 23-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,438.63 715.48	1,073.22
40 05 23 23-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,711.04 941.42	1,412.12
40 05 23 23-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	12,048.93 1,429.69	2,144.53
40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0541)</small>		
40 05 23 23-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	140.59 38.15	57.22
40 05 23 23-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	154.43 41.57	62.34
40 05 23 23-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	168.04 46.08	69.12
40 05 23 23-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	181.76 50.22	75.33
40 05 23 23-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	196.77 55.46	83.19
40 05 23 23-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	260.93 69.30	103.95
40 05 23 23-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	284.06 78.90	118.35

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	329.25 92.45	138.68
40 05 23 23-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	447.31 117.70	176.55
40 05 23 23-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	749.51 183.98	275.97
40 05 23 23-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	976.05 229.97	344.96
40 05 23 23-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,272.14 306.63	459.95
40 05 23 23-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,874.62 402.46	603.68
40 05 23 23-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,206.33 458.64	687.95
40 05 23 23-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,895.42 574.94	862.40
40 05 23 23-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,957.97 766.58	1,149.88
40 05 23 23-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,494.87 1,149.88	1,724.81
40 05 23 23-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	167.49 38.15	57.22
40 05 23 23-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	178.87 41.57	62.34
40 05 23 23-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	204.25 46.08	69.12
40 05 23 23-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	216.27 50.22	75.33
40 05 23 23-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	231.29 55.46	83.19
40 05 23 23-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	281.70 69.30	103.95
40 05 23 23-0655 EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	353.40 78.90	118.35
40 05 23 23-0656 EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	386.37 92.45	138.68
40 05 23 23-0657 EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	527.33 117.70	176.55
40 05 23 23-0658 EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	822.74 183.98	275.97
40 05 23 23-0659 EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,123.49 229.97	344.96
40 05 23 23-0660 EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,533.40 306.63	459.95
40 05 23 23-0661 EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,514.99 402.46	603.68
40 05 23 23-0662 EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,852.63 458.64	687.95
40 05 23 23-0663 EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,731.54 574.94	862.40
40 05 23 23-0664 EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,848.53 766.58	1,149.88
40 05 23 23-0665 EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	7,717.14 1,149.88	1,724.81
40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0641)		
40 05 23 23-0667 EA 1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	76.22 19.75	29.63
40 05 23 23-0668 EA 3/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	81.79 20.96	31.44
40 05 23 23-0669 EA 1", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	91.76 23.04	34.55
40 05 23 23-0670 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	104.13 25.11	37.67
40 05 23 23-0671 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	111.38 27.73	41.59
40 05 23 23-0672 EA 2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	115.66 30.85	46.27
40 05 23 23-0673 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	148.50 39.49	59.23
40 05 23 23-0674 EA 3", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	171.66 46.28	69.42
40 05 23 23-0675 EA 4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	209.07 55.39	83.08
40 05 23 23-0676 EA 6", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	287.50 69.30	103.95
40 05 23 23-0677 EA 8", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	480.61 114.99	172.48
40 05 23 23-0678 EA 10", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	643.01 153.32	229.98
40 05 23 23-0679 EA 12", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	969.44 229.97	344.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0680 EA 14", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,112.70 268.31	402.46
40 05 23 23-0681 EA 16", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,309.48 306.05	459.08
40 05 23 23-0682 EA 18", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,644.30 383.29	574.94
40 05 23 23-0683 EA 20", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,263.97 536.61	804.91
40 05 23 23-0684 EA 24", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,375.17 766.58	1,149.87
40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings <small>(40 05 23 23-0231)</small>		
40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe <small>(40 05 23 23-0685)</small>		
40 05 23 23-0687 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	27.33 3.12	5.20
40 05 23 23-0688 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	32.30 3.61	6.35
40 05 23 23-0689 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	44.09 4.47	7.51
40 05 23 23-0690 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	53.54 5.59	9.36
40 05 23 23-0691 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	59.38 6.30	10.51
40 05 23 23-0692 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	73.41 7.81	13.06
40 05 23 23-0693 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	88.68 8.92	14.90
40 05 23 23-0694 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	105.73 10.04	16.74
40 05 23 23-0695 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	134.41 11.89	19.87
40 05 23 23-0696 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	199.99 15.61	26.10
40 05 23 23-0697 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	324.13 29.27	45.55
40 05 23 23-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	426.35 32.20	50.08
40 05 23 23-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	516.89 35.78	55.69
40 05 23 23-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	644.89 40.25	62.61
40 05 23 23-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	706.08 46.00	71.55
40 05 23 23-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	786.02 53.66	83.48
40 05 23 23-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	1,115.39 64.39	100.16
40 05 23 23-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	1,462.94 80.49	125.20
40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows <small>(40 05 23 23-0685)</small>		
40 05 23 23-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	138.38 39.50	59.25
40 05 23 23-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	146.48 41.93	62.89
40 05 23 23-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	161.54 46.08	69.12
40 05 23 23-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	176.95 50.22	75.33
40 05 23 23-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	194.33 55.46	83.19
40 05 23 23-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	217.27 61.70	92.55
40 05 23 23-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	283.38 78.97	118.45
40 05 23 23-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	333.54 92.55	138.82
40 05 23 23-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	409.57 110.78	166.16
40 05 23 23-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	568.78 138.38	207.57
40 05 23 23-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	964.50 229.97	344.96
40 05 23 23-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,453.89 306.63	459.95
40 05 23 23-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,180.70 459.95	689.93
40 05 23 23-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,544.44 536.61	804.91

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0720	EA		16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,037.83 612.11	918.15
40 05 23 23-0721	EA		18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,825.05 766.58	1,149.88
40 05 23 23-0722	EA		20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,341.91 1,073.22	1,609.83
40 05 23 23-0723	EA		24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,684.81 1,533.17	2,299.75
40 05 23 23-0724			Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0685)		
40 05 23 23-0725	EA		1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	140.21 39.50	59.25
40 05 23 23-0726	EA		3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	148.31 41.93	62.89
40 05 23 23-0727	EA		1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	163.37 46.08	69.12
40 05 23 23-0728	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	179.40 50.22	75.33
40 05 23 23-0729	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	194.33 55.46	83.19
40 05 23 23-0730	EA		2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	217.27 61.70	92.55
40 05 23 23-0731	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	281.55 78.97	118.45
40 05 23 23-0732	EA		3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	330.79 92.55	138.82
40 05 23 23-0733	EA		4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	403.15 110.78	166.16
40 05 23 23-0734	EA		6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	530.91 138.38	207.57
40 05 23 23-0735	EA		8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	896.54 229.97	344.96
40 05 23 23-0736	EA		10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,426.54 306.63	459.95
40 05 23 23-0737	EA		12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,089.99 459.95	689.93
40 05 23 23-0738	EA		14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,459.44 536.61	804.91
40 05 23 23-0739	EA		16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,881.98 612.11	918.15
40 05 23 23-0740	EA		18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,641.52 766.58	1,149.88
40 05 23 23-0741	EA		20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,177.00 1,073.22	1,609.83
40 05 23 23-0742	EA		24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,465.17 1,533.17	2,299.75
40 05 23 23-0743			Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)		
40 05 23 23-0744	EA		1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	188.12 50.21	75.31
40 05 23 23-0745	EA		3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	226.21 61.63	92.45
40 05 23 23-0746	EA		1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	251.59 69.25	103.88
40 05 23 23-0747	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	289.21 78.97	118.45
40 05 23 23-0748	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	305.15 84.77	127.15
40 05 23 23-0749	EA		2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	331.39 92.45	138.68
40 05 23 23-0750	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	403.46 110.78	166.16
40 05 23 23-0751	EA		3", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	505.83 138.83	208.25
40 05 23 23-0752	EA		4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	582.57 155.81	233.71
40 05 23 23-0753	EA		6", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	863.51 207.74	311.61
40 05 23 23-0754	EA		8", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,436.08 306.63	459.95
40 05 23 23-0755	EA		10", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,243.37 459.95	689.93
40 05 23 23-0756	EA		12", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,890.21 574.94	862.40
40 05 23 23-0757	EA		14", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,717.73 690.91	1,036.37
40 05 23 23-0758	EA		16", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,385.49 842.84	1,264.26
40 05 23 23-0759	EA		18", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,573.71 1,073.22	1,609.83



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Stainless Steel Process Pipe and Tubing 40 05 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0760 EA 20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	7,522.69 1,412.13	2,118.20
40 05 23 23-0761 EA 24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	10,741.24 2,146.43	3,219.65
40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)		
40 05 23 23-0763 EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	179.21 41.94	62.92
40 05 23 23-0764 EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	212.55 51.40	77.10
40 05 23 23-0765 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	260.93 57.75	86.63
40 05 23 23-0766 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	266.50 65.84	98.75
40 05 23 23-0767 EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	282.86 70.75	106.11
40 05 23 23-0768 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	388.63 77.10	115.64
40 05 23 23-0769 EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	375.54 92.41	138.62
40 05 23 23-0770 EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	507.18 115.50	173.25
40 05 23 23-0771 EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	721.83 131.98	197.96
40 05 23 23-0772 EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,399.49 191.65	287.46
40 05 23 23-0773 EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,576.30 255.53	383.29
40 05 23 23-0774 EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,367.34 383.29	574.94
40 05 23 23-0775 EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,827.82 460.48	690.72
40 05 23 23-0776 EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,743.91 561.70	842.55
40 05 23 23-0777 EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,129.62 715.48	1,073.22
40 05 23 23-0778 EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	8,745.82 941.42	1,412.12
40 05 23 23-0779 EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	13,697.02 1,429.69	2,144.53
40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)		
40 05 23 23-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	140.28 38.15	57.22
40 05 23 23-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	154.74 41.57	62.34
40 05 23 23-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	172.70 46.08	69.12
40 05 23 23-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	180.84 50.22	75.33
40 05 23 23-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	196.77 55.46	83.19
40 05 23 23-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	259.65 69.30	103.95
40 05 23 23-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	302.39 78.90	118.35
40 05 23 23-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	331.43 92.45	138.68
40 05 23 23-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	459.83 117.70	176.55
40 05 23 23-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	713.30 183.98	275.97
40 05 23 23-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	923.61 229.97	344.96
40 05 23 23-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,235.87 306.63	459.95
40 05 23 23-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,755.74 402.46	603.68
40 05 23 23-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,038.43 458.64	687.95
40 05 23 23-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,524.13 574.94	862.40
40 05 23 23-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,550.30 766.58	1,149.88
40 05 23 23-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,167.08 1,149.88	1,724.81
40 05 23 23-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	164.02 38.15	57.22
40 05 23 23-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	182.93 41.57	62.34
40 05 23 23-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	206.13 46.08	69.12

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	219.93 50.22	75.33
40 05 23 23-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	220.90 55.46	83.19
40 05 23 23-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	293.00 69.30	103.95
40 05 23 23-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	336.60 78.90	118.35
40 05 23 23-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	377.82 92.45	138.68
40 05 23 23-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	539.55 117.70	176.55
40 05 23 23-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	886.06 183.98	275.97
40 05 23 23-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,221.14 229.97	344.96
40 05 23 23-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,544.61 306.63	459.95
40 05 23 23-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,341.22 402.46	603.68
40 05 23 23-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,746.07 458.64	687.95
40 05 23 23-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,403.31 574.94	862.40
40 05 23 23-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,956.39 766.58	1,149.88
40 05 23 23-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	6,836.92 1,149.88	1,724.81
40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)		
40 05 23 23-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	79.28 19.75	29.63
40 05 23 23-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	87.90 20.96	31.44
40 05 23 23-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	96.34 23.04	34.55
40 05 23 23-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	105.35 25.11	37.67
40 05 23 23-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	113.82 27.73	41.59
40 05 23 23-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	119.63 30.85	46.27
40 05 23 23-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	149.39 39.49	59.23
40 05 23 23-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	176.85 46.28	69.42
40 05 23 23-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	211.82 55.39	83.08
40 05 23 23-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	276.20 69.30	103.95
40 05 23 23-0826 EA 8", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	464.44 114.99	172.48
40 05 23 23-0827 EA 10", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	616.13 153.32	229.98
40 05 23 23-0828 EA 12", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	907.38 229.97	344.95
40 05 23 23-0829 EA 14", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,055.34 268.31	402.46
40 05 23 23-0830 EA 16", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,213.48 306.05	459.08
40 05 23 23-0831 EA 18", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,529.45 383.29	574.94
40 05 23 23-0832 EA 20", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,118.97 536.61	804.91
40 05 23 23-0833 EA 24", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,202.76 766.58	1,149.87
40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)		
40 05 23 23-0836 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.85 3.12	5.20
40 05 23 23-0837 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	38.63 3.81	6.35
40 05 23 23-0838 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.81 4.47	7.51
40 05 23 23-0839 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	59.77 5.59	9.24
40 05 23 23-0840 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	69.20 6.30	10.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0841 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	89.32 7.81	13.28
40 05 23 23-0842 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	112.72 8.92	15.01
40 05 23 23-0843 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	106.54 10.04	16.74
40 05 23 23-0844 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	187.38 11.89	19.63
40 05 23 23-0845 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	298.88 15.61	25.99
40 05 23 23-0846 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	520.75 29.27	45.31
40 05 23 23-0847 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	671.56 32.20	50.08
40 05 23 23-0848 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	848.06 35.78	55.45
40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows <small>(40 05 23 23-0834)</small>		
40 05 23 23-0850 EA 1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	139.91 39.50	59.25
40 05 23 23-0851 EA 3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	148.01 41.93	62.89
40 05 23 23-0852 EA 1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	163.07 46.08	69.12
40 05 23 23-0853 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	177.62 50.22	75.33
40 05 23 23-0854 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	195.86 55.46	83.19
40 05 23 23-0855 EA 2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	220.93 61.70	92.55
40 05 23 23-0856 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	294.68 78.97	118.45
40 05 23 23-0857 EA 3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	349.42 92.55	138.82
40 05 23 23-0858 EA 4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	444.39 110.78	166.16
40 05 23 23-0859 EA 6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	690.95 138.38	207.57
40 05 23 23-0860 EA 8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,198.36 229.97	344.96
40 05 23 23-0861 EA 10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,965.18 306.63	459.95
40 05 23 23-0862 EA 12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,799.20 459.95	689.93
40 05 23 23-0863 EA 14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,128.22 536.61	804.91
40 05 23 23-0864 EA 16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,799.97 612.11	918.15
40 05 23 23-0865 EA 18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,852.93 766.58	1,149.88
40 05 23 23-0866 EA 20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,550.87 1,073.22	1,609.83
40 05 23 23-0867 EA 24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	9,509.68 1,533.17	2,299.75
40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 23-0834)</small>		
40 05 23 23-0869 EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	142.96 39.50	59.25
40 05 23 23-0870 EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	151.06 41.93	62.89
40 05 23 23-0871 EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	164.90 46.08	69.12
40 05 23 23-0872 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.51 50.22	75.33
40 05 23 23-0873 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	197.69 55.46	83.19
40 05 23 23-0874 EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	220.93 61.70	92.55
40 05 23 23-0875 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	294.68 78.97	118.45
40 05 23 23-0876 EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	337.51 92.55	138.82
40 05 23 23-0877 EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	421.78 110.78	166.16
40 05 23 23-0878 EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	598.10 138.38	207.57
40 05 23 23-0879 EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,034.77 229.97	344.96
40 05 23 23-0880 EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,588.17 306.63	459.95

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0881 EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,294.49 459.95	689.93
40 05 23 23-0882 EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,605.86 536.61	804.91
40 05 23 23-0883 EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,942.99 612.11	918.15
40 05 23 23-0884 EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,786.05 766.58	1,149.88
40 05 23 23-0885 EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,143.54 1,073.22	1,609.83
40 05 23 23-0886 EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,630.24 1,533.17	2,299.75
40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)		
40 05 23 23-0888 EA 1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	189.95 50.21	75.31
40 05 23 23-0889 EA 3/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	228.04 61.63	92.45
40 05 23 23-0890 EA 1", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	253.42 69.25	103.88
40 05 23 23-0891 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	291.87 78.97	118.45
40 05 23 23-0892 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	305.15 84.77	127.15
40 05 23 23-0893 EA 2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	332.61 92.45	138.68
40 05 23 23-0894 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	414.34 110.78	166.16
40 05 23 23-0895 EA 3", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	511.63 138.83	208.25
40 05 23 23-0896 EA 4", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	592.65 155.81	233.71
40 05 23 23-0897 EA 6", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	935.29 207.74	311.61
40 05 23 23-0898 EA 8", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,620.49 306.63	459.95
40 05 23 23-0899 EA 10", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,730.25 459.95	689.93
40 05 23 23-0900 EA 12", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,356.98 574.94	862.40
40 05 23 23-0901 EA 14", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,815.75 690.91	1,036.37
40 05 23 23-0902 EA 16", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,967.77 842.84	1,264.26
40 05 23 23-0903 EA 18", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,730.63 1,073.22	1,609.83
40 05 23 23-0904 EA 20", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	10,042.66 1,412.13	2,118.20
40 05 23 23-0905 EA 24", Type 316, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	14,380.79 2,146.43	3,219.65
40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)		
40 05 23 23-0907 EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	185.01 41.94	62.92
40 05 23 23-0908 EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	216.52 51.40	77.10
40 05 23 23-0909 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	285.36 57.75	86.63
40 05 23 23-0910 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	275.96 65.84	98.75
40 05 23 23-0911 EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	282.86 70.75	106.11
40 05 23 23-0912 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	390.46 77.10	115.64
40 05 23 23-0913 EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	388.67 92.41	138.62
40 05 23 23-0914 EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	520.32 115.50	173.25
40 05 23 23-0915 EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	730.08 131.98	197.96
40 05 23 23-0916 EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,237.20 191.65	287.46
40 05 23 23-0917 EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,616.88 255.53	383.29
40 05 23 23-0918 EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,448.49 383.29	574.94
40 05 23 23-0919 EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,916.86 460.48	690.72
40 05 23 23-0920 EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,855.42 561.70	842.55
40 05 23 23-0921 EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,275.04 715.48	1,073.22



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0922 EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,963.59 <i>941.42</i>	1,412.12
40 05 23 23-0923 EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	14,043.85 <i>1,429.69</i>	2,144.53
40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0834)</small>		
40 05 23 23-0925 EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	145.17 <i>38.15</i>	57.22
40 05 23 23-0926 EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	159.62 <i>41.57</i>	62.34
40 05 23 23-0927 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	174.92 <i>46.08</i>	69.12
40 05 23 23-0928 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	186.34 <i>50.22</i>	75.33
40 05 23 23-0929 EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	200.13 <i>55.46</i>	83.19
40 05 23 23-0930 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	270.40 <i>69.30</i>	103.95
40 05 23 23-0931 EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	290.48 <i>78.90</i>	118.35
40 05 23 23-0932 EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	335.67 <i>92.45</i>	138.68
40 05 23 23-0933 EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	461.97 <i>117.70</i>	176.55
40 05 23 23-0934 EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	777.21 <i>183.98</i>	275.97
40 05 23 23-0935 EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,044.01 <i>229.97</i>	344.96
40 05 23 23-0936 EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,322.29 <i>306.63</i>	459.95
40 05 23 23-0937 EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,920.35 <i>402.46</i>	603.68
40 05 23 23-0938 EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,213.63 <i>458.64</i>	687.95
40 05 23 23-0939 EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,961.74 <i>574.94</i>	862.40
40 05 23 23-0940 EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,018.40 <i>766.58</i>	1,149.88
40 05 23 23-0941 EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,758.16 <i>1,149.88</i>	1,724.81
40 05 23 23-0942 EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	179.68 <i>38.15</i>	57.22
40 05 23 23-0943 EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	191.08 <i>41.57</i>	62.34
40 05 23 23-0944 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	222.02 <i>46.08</i>	69.12
40 05 23 23-0945 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	229.40 <i>50.22</i>	75.33
40 05 23 23-0946 EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	245.95 <i>55.46</i>	83.19
40 05 23 23-0947 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	293.00 <i>69.30</i>	103.95
40 05 23 23-0948 EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	378.75 <i>78.90</i>	118.35
40 05 23 23-0949 EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	411.42 <i>92.45</i>	138.68
40 05 23 23-0950 EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	586.28 <i>117.70</i>	176.55
40 05 23 23-0951 EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	870.23 <i>183.98</i>	275.97
40 05 23 23-0952 EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,248.51 <i>229.97</i>	344.96
40 05 23 23-0953 EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,731.32 <i>306.63</i>	459.95
40 05 23 23-0954 EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,607.57 <i>402.46</i>	603.68
40 05 23 23-0955 EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,004.76 <i>458.64</i>	687.95
40 05 23 23-0956 EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,043.22 <i>574.94</i>	862.40
40 05 23 23-0957 EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,195.04 <i>766.58</i>	1,149.88
40 05 23 23-0958 EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	7,788.17 <i>1,149.88</i>	1,724.81
40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps <small>(40 05 23 23-0834)</small>		
40 05 23 23-0960 EA 1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	79.89 <i>19.75</i>	29.63
40 05 23 23-0961 EA 3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	87.60 <i>20.96</i>	31.44
40 05 23 23-0962 EA 1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	96.95 <i>23.04</i>	34.55

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0963	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	111.01 25.11	37.67
40 05 23 23-0964	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	109.24 27.73	41.59
40 05 23 23-0965	EA		2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	123.90 30.85	46.27
40 05 23 23-0966	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	154.94 39.49	59.23
40 05 23 23-0967	EA		3", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	177.77 46.28	69.42
40 05 23 23-0968	EA		4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	218.54 55.39	83.08
40 05 23 23-0969	EA		6", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	304.30 69.30	103.95
40 05 23 23-0970	EA		8", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	517.22 114.99	172.48
40 05 23 23-0971	EA		10", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	693.80 153.32	229.98
40 05 23 23-0972	EA		12", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,034.42 229.97	344.95
40 05 23 23-0973	EA		14", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,178.46 268.31	402.46
40 05 23 23-0974	EA		16", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,323.75 306.05	459.08
40 05 23 23-0975	EA		18", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,690.92 383.29	574.94
40 05 23 23-0976	EA		20", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,322.24 536.61	804.91
40 05 23 23-0977	EA		24", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,598.62 766.58	1,149.87
40 05 23 23-0978			Valves <small>(40 05 23 23-0231)</small>		
40 05 23 23-0979			Gate Valves, Class 150 <small>(40 05 23 23-0978)</small>		
40 05 23 23-0980	EA		1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	707.10 22.27 -169.29 594.90	59.38
40 05 23 23-0981	EA		3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	767.84 25.98 -182.23 640.36	61.86
40 05 23 23-0982	EA		1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	945.58 35.02 -221.72 779.13	92.79
40 05 23 23-0983	EA		1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,193.16 40.34 -283.20 995.16	108.26
40 05 23 23-0984	EA		1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,343.91 51.10 -313.93 1,103.16	136.28
40 05 23 23-0985	EA		2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,595.04 61.86 -371.51 1,305.50	164.93
40 05 23 23-0986	EA		2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,296.97 67.49 1,947.70	179.39
40 05 23 23-0987	EA		3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,586.34 78.97 2,183.71	210.33
40 05 23 23-0988	EA		4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,413.67 132.56 2,793.49	352.62
40 05 23 23-0989	EA		6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	5,724.45 167.63 4,855.76	445.40
40 05 23 23-0990	EA		8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,528.15 212.10 11,111.89	569.13
40 05 23 23-0991	EA		10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	17,666.32 259.82 15,792.24	692.86
40 05 23 23-0992	EA		12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	26,617.71 314.93 24,033.86	841.31
40 05 23 23-0993			Globe Valves, Class 150 <small>(40 05 23 23-0979)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0994 EA 1/2" Globe Valve, Stainless Steel, Flanged	968.25	59.38
For Work In Restricted Working Space, Add	22.27	
For Class 200, Deduct	-239.15	
For Class 300, Add	840.38	
40 05 23 23-0995 EA 3/4" Globe Valve, Stainless Steel, Flanged	1,071.32	61.86
For Work In Restricted Working Space, Add	25.98	
For Class 200, Deduct	-263.41	
For Class 300, Add	925.63	
40 05 23 23-0996 EA 1" Globe Valve, Stainless Steel, Flanged	1,334.65	92.79
For Work In Restricted Working Space, Add	35.02	
For Class 200, Deduct	-325.80	
For Class 300, Add	1,144.85	
40 05 23 23-0997 EA 1-1/2" Globe Valve, Stainless Steel, Flanged	1,984.28	136.28
For Work In Restricted Working Space, Add	51.10	
For Class 200, Deduct	-485.23	
For Class 300, Add	1,705.10	
40 05 23 23-0998 EA 2" Globe Valve, Stainless Steel, Flanged	2,421.82	164.93
For Work In Restricted Working Space, Add	61.86	
For Class 200, Deduct	-592.68	
For Class 300, Add	2,082.67	
40 05 23 23-0999 EA 2-1/2" Globe Valve, Stainless Steel, Flanged	4,889.40	179.39
For Work In Restricted Working Space, Add	67.49	
For Class 300, Add	4,384.58	
40 05 23 23-1000 EA 3" Globe Valve, Stainless Steel, Flanged	5,057.26	210.33
For Work In Restricted Working Space, Add	78.97	
For Class 300, Add	4,506.38	
40 05 23 23-1001 EA 4" Globe Valve, Stainless Steel, Flanged	6,013.28	352.62
For Work In Restricted Working Space, Add	132.56	
For Class 300, Add	5,237.13	
40 05 23 23-1002 EA 6" Globe Valve, Stainless Steel, Flanged	11,118.52	445.40
For Work In Restricted Working Space, Add	167.63	
For Class 300, Add	9,926.18	
40 05 23 23-1003 Check Valves, Class 150 (40 05 23 23-0978)		
40 05 23 23-1004 EA 2-1/2" Check Valve, Stainless Steel, Flanged.....	2,197.54	179.39
For Work In Restricted Working Space, Add	67.49	
For Class 300, Add	1,854.23	
40 05 23 23-1005 EA 3" Check Valve, Stainless Steel, Flanged.....	2,297.34	210.33
For Work In Restricted Working Space, Add	78.97	
For Class 300, Add	1,912.05	
40 05 23 23-1006 EA 4" Check Valve, Stainless Steel, Flanged.....	3,607.53	352.62
For Work In Restricted Working Space, Add	132.56	
For Class 300, Add	2,975.72	
40 05 23 23-1007 EA 6" Check Valve, Stainless Steel, Flanged.....	6,216.53	445.40
For Work In Restricted Working Space, Add	167.63	
For Class 300, Add	5,318.31	
40 05 23 23-1008 EA 8" Check Valve, Stainless Steel, Flanged.....	10,944.86	569.13
For Work In Restricted Working Space, Add	212.10	
For Class 300, Add	9,623.60	
40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings (40 05 23 23-0231)		
40 05 23 23-1010 EA 1/2", Stainless Steel Thread-o-let Fitting.....	95.35	35.92
For Work In Restricted Working Space, Add	23.95	
40 05 23 23-1011 EA 3/4", Stainless Steel Thread-o-let Fitting.....	125.83	47.90
For Work In Restricted Working Space, Add	31.93	
40 05 23 23-1012 EA 1", Stainless Steel Thread-o-let Fitting.....	155.08	59.38
For Work In Restricted Working Space, Add	39.59	
40 05 23 23-1013 EA 1-1/4", Stainless Steel Thread-o-let Fitting	222.61	84.03
For Work In Restricted Working Space, Add	56.03	
40 05 23 23-1014 EA 1-1/2", Stainless Steel Thread-o-let Fitting	246.45	94.77
For Work In Restricted Working Space, Add	63.18	
40 05 23 23-1015 EA 2", Stainless Steel Thread-o-let Fitting.....	308.35	120.38
For Work In Restricted Working Space, Add	80.25	
40 05 23 23-1016 EA 2-1/2", Stainless Steel Thread-o-let Fitting	549.38	185.59
For Work In Restricted Working Space, Add	123.72	
40 05 23 23-1017 EA 3", Stainless Steel Thread-o-let Fitting.....	735.29	236.92
For Work In Restricted Working Space, Add	157.94	
40 05 23 23-1018 EA 4", Stainless Steel Thread-o-let Fitting.....	968.73	296.94
For Work In Restricted Working Space, Add	197.96	
40 05 23 23-1019 Stainless Steel Flanges (40 05 23 23-0231)		
40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	82.32	19.95
For Work In Restricted Working Space, Add	11.98	
40 05 23 23-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	100.32	26.61
For Work In Restricted Working Space, Add	15.96	
40 05 23 23-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange.....	118.75	33.00
For Work In Restricted Working Space, Add	19.79	
40 05 23 23-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange	160.27	46.69
For Work In Restricted Working Space, Add	28.01	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-1025	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	172.20 31.59	52.65
40 05 23	23-1026	EA	2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	221.41 40.13	66.87
40 05 23	23-1027	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	328.69 61.86	103.06
40 05 23	23-1028	EA	3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	391.38 78.97	210.33
40 05 23	23-1029	EA	4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	505.16 98.98	164.93
40 05 23 23-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)					
40 05 23	23-1031	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	106.82 11.98	19.95
40 05 23	23-1032	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	120.11 15.96	26.61
40 05 23	23-1033	EA	1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	132.88 19.79	33.00
40 05 23	23-1034	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	196.10 28.01	46.69
40 05 23	23-1035	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	208.03 31.59	52.65
40 05 23	23-1036	EA	2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	258.14 40.13	66.87
40 05 23	23-1037	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	410.67 61.86	103.06
40 05 23	23-1038	EA	3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	475.22 78.97	210.33
40 05 23	23-1039	EA	4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	634.25 98.98	164.93
40 05 23 23-1040 150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)					
40 05 23	23-1041	EA	1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	108.24 19.75	29.61
40 05 23	23-1042	EA	3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	116.99 20.96	31.44
40 05 23	23-1043	EA	1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	131.43 23.04	34.55
40 05 23	23-1044	EA	1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	161.99 25.13	37.69
40 05 23	23-1045	EA	1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	170.56 27.70	41.54
40 05 23	23-1046	EA	2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	189.54 30.86	46.29
40 05 23	23-1047	EA	2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	262.51 39.46	59.19
40 05 23	23-1048	EA	3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	297.21 46.20	69.29
40 05 23	23-1049	EA	4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	384.25 55.35	83.02
40 05 23	23-1050	EA	6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	575.35 69.16	103.73
40 05 23	23-1051	EA	8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	967.40 114.99	172.48
40 05 23	23-1052	EA	10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,373.10 153.32	229.96
40 05 23	23-1053	EA	12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,111.90 229.97	344.95
40 05 23	23-1054	EA	14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,642.61 268.31	402.46
40 05 23	23-1055	EA	16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,301.52 306.05	459.08
40 05 23	23-1056	EA	18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,049.00 383.29	574.94
40 05 23	23-1057	EA	20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,241.40 536.61	804.91
40 05 23	23-1058	EA	24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,448.06 766.58	1,149.87
40 05 23 23-1059 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)					
40 05 23	23-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	137.45 19.75	29.61
40 05 23	23-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	141.49 20.96	31.44
40 05 23	23-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	148.42 23.04	34.55
40 05 23	23-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	194.92 25.13	37.69
40 05 23	23-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	203.49 27.70	41.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1065 EA 2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	217.81	46.29
For Work In Restricted Working Space, Add	30.86	
40 05 23 23-1066 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	311.47	59.19
For Work In Restricted Working Space, Add	39.46	
40 05 23 23-1067 EA 3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	351.83	69.29
For Work In Restricted Working Space, Add	46.20	
40 05 23 23-1068 EA 4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	512.34	83.02
For Work In Restricted Working Space, Add	55.35	
40 05 23 23-1069 EA 6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	720.43	103.73
For Work In Restricted Working Space, Add	69.16	
40 05 23 23-1070 EA 8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	1,329.16	172.48
For Work In Restricted Working Space, Add	114.99	
40 05 23 23-1071 EA 10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	1,850.77	229.96
For Work In Restricted Working Space, Add	153.32	
40 05 23 23-1072 EA 12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	2,718.66	344.95
For Work In Restricted Working Space, Add	229.97	
40 05 23 23-1073 EA 14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	3,601.77	402.46
For Work In Restricted Working Space, Add	268.31	
40 05 23 23-1074 EA 16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	4,448.56	459.08
For Work In Restricted Working Space, Add	306.05	
40 05 23 23-1075 EA 18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	5,682.35	574.94
For Work In Restricted Working Space, Add	383.29	
40 05 23 23-1076 EA 20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	7,331.20	804.91
For Work In Restricted Working Space, Add	536.61	
40 05 23 23-1077 EA 24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange.....	10,675.65	1,149.87
For Work In Restricted Working Space, Add	766.58	
40 05 23 23-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1079)		
40 05 23 23-1079 EA 1/2", 150#, Type 304 Stainless Steel Slip-On Flange	169.34	59.24
For Work In Restricted Working Space, Add	39.50	
40 05 23 23-1080 EA 3/4", 150#, Type 304 Stainless Steel Slip-On Flange	178.40	62.88
For Work In Restricted Working Space, Add	41.93	
40 05 23 23-1081 EA 1", 150#, Type 304 Stainless Steel Slip-On Flange	196.01	69.12
For Work In Restricted Working Space, Add	46.08	
40 05 23 23-1082 EA 1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	225.01	75.39
For Work In Restricted Working Space, Add	50.26	
40 05 23 23-1083 EA 1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	242.15	83.10
For Work In Restricted Working Space, Add	55.40	
40 05 23 23-1084 EA 2", 150#, Type 304 Stainless Steel Slip-On Flange	280.18	92.56
For Work In Restricted Working Space, Add	61.71	
40 05 23 23-1085 EA 2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	367.64	118.37
For Work In Restricted Working Space, Add	78.92	
40 05 23 23-1086 EA 3", 150#, Type 304 Stainless Steel Slip-On Flange	420.13	138.58
For Work In Restricted Working Space, Add	92.39	
40 05 23 23-1087 EA 4", 150#, Type 304 Stainless Steel Slip-On Flange	521.67	166.06
For Work In Restricted Working Space, Add	110.71	
40 05 23 23-1088 EA 6", 150#, Type 304 Stainless Steel Slip-On Flange	693.78	207.47
For Work In Restricted Working Space, Add	138.32	
40 05 23 23-1089 EA 8", 150#, Type 304 Stainless Steel Slip-On Flange	1,206.57	344.95
For Work In Restricted Working Space, Add	229.97	
40 05 23 23-1090 EA 10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,705.14	459.95
For Work In Restricted Working Space, Add	306.63	
40 05 23 23-1091 EA 12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,542.19	689.91
For Work In Restricted Working Space, Add	459.95	
40 05 23 23-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1093)		
40 05 23 23-1093 EA 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	188.19	59.24
For Work In Restricted Working Space, Add	39.50	
40 05 23 23-1094 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	196.29	62.88
For Work In Restricted Working Space, Add	41.93	
40 05 23 23-1095 EA 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	210.14	69.12
For Work In Restricted Working Space, Add	46.08	
40 05 23 23-1096 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	254.22	75.39
For Work In Restricted Working Space, Add	50.26	
40 05 23 23-1097 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	271.36	83.10
For Work In Restricted Working Space, Add	55.40	
40 05 23 23-1098 EA 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	299.92	92.56
For Work In Restricted Working Space, Add	61.71	
40 05 23 23-1099 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	441.16	118.37
For Work In Restricted Working Space, Add	78.92	
40 05 23 23-1100 EA 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	493.60	138.58
For Work In Restricted Working Space, Add	92.39	
40 05 23 23-1101 EA 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	623.40	166.06
For Work In Restricted Working Space, Add	110.71	
40 05 23 23-1102 EA 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	981.13	207.47
For Work In Restricted Working Space, Add	138.32	
40 05 23 23-1103 EA 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,496.72	344.95
For Work In Restricted Working Space, Add	229.97	
40 05 23 23-1104 EA 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,172.44	459.95
For Work In Restricted Working Space, Add	306.63	
40 05 23 23-1105 EA 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	3,143.28	689.91
For Work In Restricted Working Space, Add	459.95	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-1106		150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		
	40 05 23 23-1107	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	66.55 7.90	11.84
	40 05 23 23-1108	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	69.39 8.39	12.56
	40 05 23 23-1109	EA	1", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	75.02 9.22	13.81
	40 05 23 23-1110	EA	1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	97.33 10.26	15.38
	40 05 23 23-1111	EA	1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	109.35 13.86	20.79
	40 05 23 23-1112	EA	2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	129.51 15.39	23.08
	40 05 23 23-1113	EA	2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	177.10 19.79	29.68
	40 05 23 23-1114	EA	3", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	214.88 27.72	41.58
	40 05 23 23-1115	EA	4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	325.45 46.19	69.28
	40 05 23 23-1116	EA	6", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	448.59 59.39	89.09
	40 05 23 23-1117	EA	8", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	697.32 71.55	107.32
	40 05 23 23-1118	EA	10", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,083.23 85.86	128.79
	40 05 23 23-1119	EA	12", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,436.46 107.32	160.98
	40 05 23 23-1120	EA	14", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,827.11 134.15	201.23
	40 05 23 23-1121	EA	16", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,366.55 153.03	229.54
	40 05 23 23-1122	EA	18", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,793.12 191.65	287.46
	40 05 23 23-1123	EA	20", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,703.87 268.31	402.46
	40 05 23 23-1124	EA	24", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,397.60 383.29	574.94
40 05 23	23-1125		300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		
	40 05 23 23-1126	EA	1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	85.72 7.90	11.84
	40 05 23 23-1127	EA	3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	87.33 8.39	12.56
	40 05 23 23-1128	EA	1", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	90.10 9.22	13.81
	40 05 23 23-1129	EA	1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	115.22 10.26	15.38
	40 05 23 23-1130	EA	1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	127.24 13.86	20.79
	40 05 23 23-1131	EA	2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	138.94 15.39	23.08
	40 05 23 23-1132	EA	2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	243.05 19.79	29.68
	40 05 23 23-1133	EA	3", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	276.59 27.72	41.58
	40 05 23 23-1134	EA	4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	402.68 46.19	69.28
	40 05 23 23-1135	EA	6", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	767.01 59.39	89.09
	40 05 23 23-1136	EA	8", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,077.92 71.55	107.32
	40 05 23 23-1137	EA	10", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,546.72 85.86	128.79
	40 05 23 23-1138	EA	12", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,147.76 107.32	160.98
	40 05 23 23-1139	EA	14", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,013.47 134.15	201.23
	40 05 23 23-1140	EA	16", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,864.39 153.03	229.54
	40 05 23 23-1141	EA	18", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,047.34 191.65	287.46
	40 05 23 23-1142	EA	20", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,378.36 268.31	402.46
	40 05 23 23-1143	EA	24", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	9,796.49 383.29	574.94
40 05 23	23-1144		150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
	40 05 23 23-1145	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	99.30 11.98	19.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	122.01	26.61
<i>For Work In Restricted Working Space, Add</i>	15.96	
40 05 23 23-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	139.45	33.00
<i>For Work In Restricted Working Space, Add</i>	19.79	
40 05 23 23-1148 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	191.34	46.69
<i>For Work In Restricted Working Space, Add</i>	28.01	
40 05 23 23-1149 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	203.27	52.65
<i>For Work In Restricted Working Space, Add</i>	31.59	
40 05 23 23-1150 EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	255.33	66.87
<i>For Work In Restricted Working Space, Add</i>	40.13	
40 05 23 23-1151 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange	377.69	103.06
<i>For Work In Restricted Working Space, Add</i>	61.86	
40 05 23 23-1152 EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	454.52	210.33
<i>For Work In Restricted Working Space, Add</i>	78.97	
40 05 23 23-1153 EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	593.71	164.93
<i>For Work In Restricted Working Space, Add</i>	98.98	
40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange <small>(40 05 23 23-1019)</small>		
40 05 23 23-1155 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	131.32	19.95
<i>For Work In Restricted Working Space, Add</i>	11.98	
40 05 23 23-1156 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	144.61	26.61
<i>For Work In Restricted Working Space, Add</i>	15.96	
40 05 23 23-1157 EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	157.38	33.00
<i>For Work In Restricted Working Space, Add</i>	19.79	
40 05 23 23-1158 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	243.20	46.69
<i>For Work In Restricted Working Space, Add</i>	28.01	
40 05 23 23-1159 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	255.13	52.65
<i>For Work In Restricted Working Space, Add</i>	31.59	
40 05 23 23-1160 EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	299.58	66.87
<i>For Work In Restricted Working Space, Add</i>	40.13	
40 05 23 23-1161 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange	503.93	103.06
<i>For Work In Restricted Working Space, Add</i>	61.86	
40 05 23 23-1162 EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	570.38	210.33
<i>For Work In Restricted Working Space, Add</i>	78.97	
40 05 23 23-1163 EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	785.89	164.93
<i>For Work In Restricted Working Space, Add</i>	98.98	
40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange <small>(40 05 23 23-1019)</small>		
40 05 23 23-1165 EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	129.88	29.61
<i>For Work In Restricted Working Space, Add</i>	19.75	
40 05 23 23-1166 EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	138.68	31.44
<i>For Work In Restricted Working Space, Add</i>	20.96	
40 05 23 23-1167 EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange.....	155.94	34.55
<i>For Work In Restricted Working Space, Add</i>	23.04	
40 05 23 23-1168 EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	194.02	37.69
<i>For Work In Restricted Working Space, Add</i>	25.13	
40 05 23 23-1169 EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	202.59	41.54
<i>For Work In Restricted Working Space, Add</i>	27.70	
40 05 23 23-1170 EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	222.52	46.29
<i>For Work In Restricted Working Space, Add</i>	30.86	
40 05 23 23-1171 EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	318.04	59.19
<i>For Work In Restricted Working Space, Add</i>	39.46	
40 05 23 23-1172 EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange.....	347.12	69.29
<i>For Work In Restricted Working Space, Add</i>	46.20	
40 05 23 23-1173 EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	469.04	83.02
<i>For Work In Restricted Working Space, Add</i>	55.35	
40 05 23 23-1174 EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	722.33	103.73
<i>For Work In Restricted Working Space, Add</i>	69.16	
40 05 23 23-1175 EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,194.46	172.48
<i>For Work In Restricted Working Space, Add</i>	114.99	
40 05 23 23-1176 EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,751.85	229.96
<i>For Work In Restricted Working Space, Add</i>	153.32	
40 05 23 23-1177 EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,612.22	344.95
<i>For Work In Restricted Working Space, Add</i>	229.97	
40 05 23 23-1178 EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,056.97	402.46
<i>For Work In Restricted Working Space, Add</i>	268.31	
40 05 23 23-1179 EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,842.24	459.08
<i>For Work In Restricted Working Space, Add</i>	306.05	
40 05 23 23-1180 EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	4,705.86	574.94
<i>For Work In Restricted Working Space, Add</i>	383.29	
40 05 23 23-1181 EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	6,059.74	804.91
<i>For Work In Restricted Working Space, Add</i>	536.61	
40 05 23 23-1182 EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	8,607.73	1,149.87
<i>For Work In Restricted Working Space, Add</i>	766.58	
40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <small>(40 05 23 23-1019)</small>		
40 05 23 23-1184 EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	165.71	29.61
<i>For Work In Restricted Working Space, Add</i>	19.75	
40 05 23 23-1185 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	169.75	31.44
<i>For Work In Restricted Working Space, Add</i>	20.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1186 EA 1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	176.68 23.04	34.55
40 05 23 23-1187 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	233.60 25.13	37.69
40 05 23 23-1188 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	242.17 27.70	41.54
40 05 23 23-1189 EA 2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	264.91 30.86	46.29
40 05 23 23-1190 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	392.51 39.46	59.19
40 05 23 23-1191 EA 3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	428.16 46.20	69.29
40 05 23 23-1192 EA 4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	653.65 55.35	83.02
40 05 23 23-1193 EA 6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,069.96 69.16	103.73
40 05 23 23-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,686.26 114.99	172.48
40 05 23 23-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,429.22 153.32	229.96
40 05 23 23-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,568.42 229.97	344.95
40 05 23 23-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,837.71 268.31	402.46
40 05 23 23-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,013.64 306.05	459.08
40 05 23 23-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,693.13 383.29	574.94
40 05 23 23-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	9,861.39 536.61	804.91
40 05 23 23-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	14,382.64 766.58	1,149.87
40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	180.67 39.50	59.24
40 05 23 23-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	195.38 41.93	62.88
40 05 23 23-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	215.47 46.08	69.12
40 05 23 23-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	296.00 50.26	75.39
40 05 23 23-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	264.75 55.40	83.10
40 05 23 23-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	285.79 61.71	92.56
40 05 23 23-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	363.89 78.92	118.37
40 05 23 23-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	452.15 92.39	138.58
40 05 23 23-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	589.48 110.71	166.06
40 05 23 23-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	794.56 138.32	207.47
40 05 23 23-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,414.74 229.97	344.95
40 05 23 23-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,989.68 306.63	459.95
40 05 23 23-1215 EA 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,922.79 459.95	689.91
40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1217 EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	207.03 39.50	59.24
40 05 23 23-1218 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	215.13 41.93	62.88
40 05 23 23-1219 EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	228.98 46.08	69.12
40 05 23 23-1220 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	290.96 50.26	75.39
40 05 23 23-1221 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	308.10 55.40	83.10
40 05 23 23-1222 EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	334.66 61.71	92.56
40 05 23 23-1223 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	523.09 78.92	118.37
40 05 23 23-1224 EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	577.43 92.39	138.58
40 05 23 23-1225 EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	753.39 110.71	166.06
40 05 23 23-1226 EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,170.50 138.32	207.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1227 EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,691.76	344.95
<i>For Work In Restricted Working Space, Add</i>	229.97	
40 05 23 23-1228 EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,807.42	459.95
<i>For Work In Restricted Working Space, Add</i>	306.63	
40 05 23 23-1229 EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	3,702.89	689.91
<i>For Work In Restricted Working Space, Add</i>	459.95	
40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges <small>(40 05 23 23-1019)</small>		
40 05 23 23-1231 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	75.35	11.84
<i>For Work In Restricted Working Space, Add</i>	7.90	
40 05 23 23-1232 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	85.43	12.56
<i>For Work In Restricted Working Space, Add</i>	8.39	
40 05 23 23-1233 EA 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	96.67	13.81
<i>For Work In Restricted Working Space, Add</i>	9.22	
40 05 23 23-1234 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	114.27	15.38
<i>For Work In Restricted Working Space, Add</i>	10.26	
40 05 23 23-1235 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	126.29	20.79
<i>For Work In Restricted Working Space, Add</i>	13.86	
40 05 23 23-1236 EA 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	157.78	23.08
<i>For Work In Restricted Working Space, Add</i>	15.39	
40 05 23 23-1237 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	221.40	29.68
<i>For Work In Restricted Working Space, Add</i>	19.79	
40 05 23 23-1238 EA 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	263.88	41.58
<i>For Work In Restricted Working Space, Add</i>	27.72	
40 05 23 23-1239 EA 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	408.34	69.28
<i>For Work In Restricted Working Space, Add</i>	46.19	
40 05 23 23-1240 EA 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	581.44	89.09
<i>For Work In Restricted Working Space, Add</i>	59.39	
40 05 23 23-1241 EA 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,014.78	107.32
<i>For Work In Restricted Working Space, Add</i>	71.55	
40 05 23 23-1242 EA 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,333.84	128.79
<i>For Work In Restricted Working Space, Add</i>	85.86	
40 05 23 23-1243 EA 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,159.08	160.98
<i>For Work In Restricted Working Space, Add</i>	107.32	
40 05 23 23-1244 EA 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,566.95	201.23
<i>For Work In Restricted Working Space, Add</i>	134.15	
40 05 23 23-1245 EA 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,361.88	229.54
<i>For Work In Restricted Working Space, Add</i>	153.03	
40 05 23 23-1246 EA 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,948.12	287.46
<i>For Work In Restricted Working Space, Add</i>	191.65	
40 05 23 23-1247 EA 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	5,210.16	402.46
<i>For Work In Restricted Working Space, Add</i>	268.31	
40 05 23 23-1248 EA 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	7,606.47	574.94
<i>For Work In Restricted Working Space, Add</i>	383.29	
40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges <small>(40 05 23 23-1019)</small>		
40 05 23 23-1250 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	117.74	11.84
<i>For Work In Restricted Working Space, Add</i>	7.90	
40 05 23 23-1251 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	119.35	12.56
<i>For Work In Restricted Working Space, Add</i>	8.39	
40 05 23 23-1252 EA 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	122.12	13.81
<i>For Work In Restricted Working Space, Add</i>	9.22	
40 05 23 23-1253 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	184.02	15.38
<i>For Work In Restricted Working Space, Add</i>	10.26	
40 05 23 23-1254 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	196.04	20.79
<i>For Work In Restricted Working Space, Add</i>	13.86	
40 05 23 23-1255 EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	217.11	23.08
<i>For Work In Restricted Working Space, Add</i>	15.39	
40 05 23 23-1256 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	363.67	29.68
<i>For Work In Restricted Working Space, Add</i>	19.79	
40 05 23 23-1257 EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	399.54	41.58
<i>For Work In Restricted Working Space, Add</i>	27.72	
40 05 23 23-1258 EA 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	609.94	69.28
<i>For Work In Restricted Working Space, Add</i>	46.19	
40 05 23 23-1259 EA 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,120.35	89.09
<i>For Work In Restricted Working Space, Add</i>	59.39	
40 05 23 23-1260 EA 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,443.49	107.32
<i>For Work In Restricted Working Space, Add</i>	71.55	
40 05 23 23-1261 EA 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,609.46	128.79
<i>For Work In Restricted Working Space, Add</i>	85.86	
40 05 23 23-1262 EA 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,181.28	160.98
<i>For Work In Restricted Working Space, Add</i>	107.32	
40 05 23 23-1263 EA 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,600.90	201.23
<i>For Work In Restricted Working Space, Add</i>	134.15	
40 05 23 23-1264 EA 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	5,939.24	229.54
<i>For Work In Restricted Working Space, Add</i>	153.03	
40 05 23 23-1265 EA 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	7,774.28	287.46
<i>For Work In Restricted Working Space, Add</i>	191.65	
40 05 23 23-1266 EA 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	9,770.58	402.46
<i>For Work In Restricted Working Space, Add</i>	268.31	
40 05 23 23-1267 EA 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	15,065.96	574.94
<i>For Work In Restricted Working Space, Add</i>	383.29	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-1268	Type 316 Seamless Annealed Tubing (40 05 23 23)		
	Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 23-1269	Type 316 Seamless Annealed Tubing (40 05 23 23-1268)		
40 05 23 23-1270	LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	26.16	
40 05 23 23-1271	LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	33.03	
40 05 23 23-1272	LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	40.03	
40 05 23 23-1273	Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268)		
	Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	83.10	
40 05 23 23-1275	EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	97.30	
40 05 23 23-1276	EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	149.88	
40 05 23 23-1277	EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	68.47	
40 05 23 23-1278	EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	113.01	
40 05 23 23-1279	EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	84.73	
40 05 23 23-1280	EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	106.14	
40 05 23 23-1281	EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	163.50	
40 05 23 23-1282	EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	104.18	
40 05 23 23-1283	EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	160.51	
40 05 23 23-1284	EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	101.45	
40 05 23 23-1285	EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	131.59	
40 05 23 23-1286	EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	218.37	
40 05 23 23-1287	EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	180.62	
40 05 23 23-1288	EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	222.17	
40 05 23 23-1289	Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1268)		
40 05 23 23-1290	Needle Valves (40 05 23 23-1289)		
40 05 23 23-1291	EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	418.48	
40 05 23 23-1292	EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	666.69	
40 05 23 23-1293	Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1289)		
40 05 23 23-1294	EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	401.54	
40 05 23 23-1295	Other Valves Working Pressure 6,000 PSI (40 05 23 23-1289)		
40 05 23 23-1296	EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,678.84	
40 05 23 23-1297	EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	417.85	
40 05 23 23-1298	EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	78.87	
40 05 41	Glass Process Pipe (40 05)		
40 05 41 00-0001	Glass Pressure Pipe (40 05 41)		
40 05 41 00-0002	Glass Pipe, Beaded Joints (40 05 41 00-0001)		
40 05 41 00-0003	LF 1/2" Glass Pipe, Pressure	54.83	17.09
	For Work In Restricted Working Space, Add	10.25	
40 05 41 00-0004	LF 3/4" Glass Pipe, Pressure	65.80	20.50
	For Work In Restricted Working Space, Add	12.30	
40 05 41 00-0005	LF 1" Glass Pipe, Pressure	77.80	22.77
	For Work In Restricted Working Space, Add	13.67	
40 05 41 00-0006	LF 1-1/2" Glass Pipe, Pressure	101.90	30.75
	For Work In Restricted Working Space, Add	18.45	
40 05 41 00-0007	LF 2" Glass Pipe, Pressure	126.35	36.44
	For Work In Restricted Working Space, Add	21.87	
40 05 41 00-0008	LF 3" Glass Pipe, Pressure	160.61	42.13
	For Work In Restricted Working Space, Add	25.28	
40 05 41 00-0009	LF 4" Glass Pipe, Pressure	220.81	56.95
	For Work In Restricted Working Space, Add	34.17	
40 05 41 00-0010	LF 6" Glass Pipe, Pressure	328.46	68.33
	For Work In Restricted Working Space, Add	41.00	
40 05 41 00-0011	Glass 90 Degree Elbows (40 05 41 00-0001)		
40 05 41 00-0012	EA 1/2" 90 Degree Elbow, Glass, Pressure	230.50	91.11
	For Work In Restricted Working Space, Add	54.67	
40 05 41 00-0013	EA 3/4" 90 Degree Elbow, Glass, Pressure	250.49	96.81
	For Work In Restricted Working Space, Add	58.08	
40 05 41 00-0014	EA 1" 90 Degree Elbow, Glass, Pressure	279.43	102.49
	For Work In Restricted Working Space, Add	61.50	
40 05 41 00-0015	EA 1-1/2" 90 Degree Elbow, Glass, Pressure	307.13	113.89
	For Work In Restricted Working Space, Add	68.33	
40 05 41 00-0016	EA 2" 90 Degree Elbow, Glass, Pressure	356.39	125.28
	For Work In Restricted Working Space, Add	75.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0017 EA 3" 90 Degree Elbow, Glass, Pressure.....	464.73	148.05
<i>For Work In Restricted Working Space, Add</i>	88.82	
40 05 41 00-0018 EA 4" 90 Degree Elbow, Glass, Pressure.....	553.62	159.44
<i>For Work In Restricted Working Space, Add</i>	95.65	
40 05 41 00-0019 EA 6" 90 Degree Elbow, Glass, Pressure.....	976.23	182.22
<i>For Work In Restricted Working Space, Add</i>	109.34	
40 05 41 00-0020 Glass 45 Degree Elbows <small>(40 05 41 00-0001)</small>		
40 05 41 00-0021 EA 1/2" 45 Degree Elbow, Glass, Pressure.....	228.57	91.11
<i>For Work In Restricted Working Space, Add</i>	54.67	
40 05 41 00-0022 EA 3/4" 45 Degree Elbow, Glass, Pressure.....	248.22	96.81
<i>For Work In Restricted Working Space, Add</i>	58.09	
40 05 41 00-0023 EA 1" 45 Degree Elbow, Glass, Pressure.....	276.43	102.49
<i>For Work In Restricted Working Space, Add</i>	61.49	
40 05 41 00-0024 EA 1-1/2" 45 Degree Elbow, Glass, Pressure.....	303.96	113.89
<i>For Work In Restricted Working Space, Add</i>	68.33	
40 05 41 00-0025 EA 2" 45 Degree Elbow, Glass, Pressure.....	352.12	125.28
<i>For Work In Restricted Working Space, Add</i>	75.16	
40 05 41 00-0026 EA 3" 45 Degree Elbow, Glass, Pressure.....	458.01	148.05
<i>For Work In Restricted Working Space, Add</i>	88.83	
40 05 41 00-0027 EA 4" 45 Degree Elbow, Glass, Pressure.....	544.22	159.44
<i>For Work In Restricted Working Space, Add</i>	95.65	
40 05 41 00-0028 EA 6" 45 Degree Elbow, Glass, Pressure.....	951.63	182.22
<i>For Work In Restricted Working Space, Add</i>	109.30	
40 05 41 00-0029 Glass Tees <small>(40 05 41 00-0001)</small>		
40 05 41 00-0030 EA 1/2" Tee, Glass, Pressure.....	356.04	136.66
<i>For Work In Restricted Working Space, Add</i>	82.01	
40 05 41 00-0031 EA 3/4" Tee, Glass, Pressure.....	379.88	148.05
<i>For Work In Restricted Working Space, Add</i>	88.83	
40 05 41 00-0032 EA 1" Tee, Glass, Pressure.....	411.42	159.44
<i>For Work In Restricted Working Space, Add</i>	95.65	
40 05 41 00-0033 EA 1-1/2" Tee, Glass, Pressure.....	477.17	170.83
<i>For Work In Restricted Working Space, Add</i>	102.48	
40 05 41 00-0034 EA 2" Tee, Glass, Pressure.....	534.59	187.91
<i>For Work In Restricted Working Space, Add</i>	112.76	
40 05 41 00-0035 EA 3" Tee, Glass, Pressure.....	650.64	227.77
<i>For Work In Restricted Working Space, Add</i>	136.66	
40 05 41 00-0036 EA 4" Tee, Glass, Pressure.....	805.49	239.05
<i>For Work In Restricted Working Space, Add</i>	143.43	
40 05 41 00-0037 EA 6" Tee, Glass, Pressure.....	1,118.56	273.22
<i>For Work In Restricted Working Space, Add</i>	163.94	
40 05 41 00-0038 Glass Couplings, Vitron Liner <small>(40 05 41 00-0001)</small>		
40 05 41 00-0039 EA 1/2" Coupling, Vitron Liner, Glass.....	69.44	
40 05 41 00-0040 EA 3/4" Coupling, Vitron Liner, Glass.....	79.36	
40 05 41 00-0041 EA 1" Coupling, Vitron Liner, Glass.....	92.59	
40 05 41 00-0042 EA 1-1/2" Coupling, Vitron Liner, Glass.....	105.82	
40 05 41 00-0043 EA 2" Coupling, Vitron Liner, Glass.....	127.31	
40 05 41 00-0044 EA 3" Coupling, Vitron Liner, Glass.....	233.13	
40 05 41 00-0045 EA 4" Coupling, Vitron Liner, Glass.....	281.08	
40 05 41 00-0046 EA 6" Coupling, Vitron Liner, Glass.....	562.16	

END OF SECTION 40

40	40 Process Interconnections
	40 05 Common Work Results For Process Interconnections
	40 05 41 Glass Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment ⁽⁴¹⁾

41 01 20 Operation and Maintenance of Piece Material Handling Equipment ^(41 01)

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes ^(41 01 20)

41 01 20 13-0001 Maintenance ^(41 01 20 13)

41 01 20 13-0002	EA	Regular Inspection.....	428.53	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	128.54	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	991.02	

41 20 Piece Material Handling Equipment ⁽⁴¹⁾

41 22 Cranes and Hoists ^(41 20)

41 22 23 Hoists ^(41 22)

41 22 23 13 Fixed Hoists ^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists ^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	7,183.10	424.12
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	7,266.40	424.12
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	8,754.09	424.12
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	11,056.06	565.49
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	13,955.06	706.87
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	16,433.51	1,038.81
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	18,976.28	1,254.69
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	20,817.40	1,254.69

41 22 23 13-0010 Electric Hoists ^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists ^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,949.58	409.99
		<i>For DC Electrical Operated, Add</i>	531.78	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	3,066.74	409.99
		<i>For DC Electrical Operated, Add</i>	560.52	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,364.46	409.99
		<i>For DC Electrical Operated, Add</i>	631.57	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,936.25	424.12
		<i>For DC Electrical Operated, Add</i>	1,015.56	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	4,299.59	424.12
		<i>For DC Electrical Operated, Add</i>	853.88	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	6,031.42	438.26
		<i>For DC Electrical Operated, Add</i>	1,275.45	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	5,540.40	480.67
		<i>For DC Electrical Operated, Add</i>	1,113.13	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,771.87	593.77
		<i>For DC Electrical Operated, Add</i>	1,414.08	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	7,909.21	605.71
		<i>For DC Electrical Operated, Add</i>	1,715.33	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	12,591.68	632.05
		<i>For DC Electrical Operated, Add</i>	2,831.62	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	15,023.63	658.38
		<i>For DC Electrical Operated, Add</i>	3,425.93	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	20,643.95	684.72
		<i>For DC Electrical Operated, Add</i>	4,816.95	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	26,341.63	750.55
		<i>For DC Electrical Operated, Add</i>	6,208.29	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

41 Material Processing and Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes and Hoists**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23	13-0025		Hand Chain Hoists <small>(41 22 23 13)</small>		
41 22 23	13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,831.40	168.52
41 22 23	13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,156.00	170.84
41 22 23	13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	2,891.24	178.91
41 22 23	13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,252.98	181.22
41 22 23	13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	3,923.97	190.45
41 22 23	13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,395.09	222.78
41 22 23	13-0032	EA	10,000 LB Capacity, Hand Chain Hoist.....	6,089.07	229.70
41 22 23	13-0033	EA	16,000 LB Capacity, Hand Chain Hoist.....	7,950.10	277.03
41 22 23	13-0034	EA	20,000 LB Capacity, Hand Chain Hoist.....	9,707.65	289.72
41 22 23	13-0035	EA	30,000 LB Capacity, Hand Chain Hoist.....	17,097.80	331.27

END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI.....4,836.59

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....3,978.48

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 42 Pressurized Tanks And Vessels ^(43 40)

43 42 41 Metallic Specialty Pressure Tanks ^(43 42)

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 42 41)

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank.....	2,145.80	133.80
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank.....	3,971.69	200.69
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank.....	5,690.53	214.07

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 42 Pressurized Tanks And Vessels



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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50 Custom Standards And Assemblies

50 89 CALTRANS Custom Standards And Assemblies ⁽⁵⁰⁾

Note: Use as directed by owner only.

50 89 80 CALTRANS Construction Performance Requirements ^(50 89)

Note: Refer to www.dot.ca.gov for CALTRANS Standard Plans and Specifications

50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS ^(50 89 80)

50 89 81 01 PAYMENT ^(50 89 81)

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, speciality equipment, reimbursables and permits per CALTRANS Standard. See CSI section 01 22 16 00-0001 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for speciality equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0039 for hauling >25 miles.

50 89 81 01-0001	EA	CALTRANS 999990 MOBILIZATION	0.00
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Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment.

50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION ^(50 89 80)

50 89 82 12 TEMPORARY TRAFFIC CONTROL ^(50 89 82)

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN	1,494.85
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE	44.69
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE	12.61
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE	86.69
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE)	78.22
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT)	3.47
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE)	5.31
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE)	13.18
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT)	0.76
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED)	31.46
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE)	69.80
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR	24.78
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS	37.68
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE)	45.89
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER	3.46
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA)	2,903.71
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE	695.60

50 89 82 13 WATER POLLUTION CONTROL ^(50 89 82)

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

50 89 82 13-0001	EA	CALTRANS 130310 RAIN EVENT ACTION PLAN	555.00	
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY	490.68	
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT	2,202.50	
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET	6.77	
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	926.38	
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH	5.07	
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH	0.91	
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	0.47	
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER)	13.30	
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW	0.30	
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED	0.91	
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER	0.52	
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER	8.05	
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION	113.44	
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	10.18	
Note: 12" Diameter, Type 1				
For >1,000 To 10,000, Deduct				-1.00
For >10,000, Deduct				-1.70
For 9" Diameter, Deduct				-1.80
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL	8.36	
Note: 12" Diameter, Type 2				
For >1,000 To 10,000, Deduct				-0.72
For >10,000, Deduct				-1.24
For 9" Diameter, Deduct				-1.80
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM	14.35	
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE	10.76	
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE	3.76	
50 89 82 13-0020	LF	CALTRANS 130690 TEMPORARY STRAW BALE BARRIER	4.58	
50 89 82 13-0021	EA	CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE	1,524.81	
50 89 82 13-0022	SY	CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY	37.57	
50 89 82 13-0023	EA	CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY	490.68	
50 89 82 13-0024	EA	CALTRANS 131104 WATER QUALITY MONITORING REPORT	762.50	
50 89 82 13-0025	EA	CALTRANS 131105 WATER QUALITY ANNUAL REPORT	818.12	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**50 89 83 CALTRANS DIVISION III - GRADING** (50 89 80)**50 89 83 17 GENERAL** (50 89 83)

Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard.

50 89 83 17-0001 ACR CALTRANS 170105 CLEARING AND GRUBBING (ACRE).....13,506.27

Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill

50 89 83 19 EARTHWORK (50 89 83)

Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard.

50 89 83 19-0001 CY CALTRANS 190101 ROADWAY EXCAVATION21.96
For >1,000, Deduct -3.29

50 89 83 19-0002 CY CALTRANS 190161 ROCK EXCAVATION37.35

50 89 83 19-0003 TON CALTRANS 190185 SHOULDER BACKING116.95

50 89 83 19-0004 CY CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL)65.13

50 89 83 19-0005 CY CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL)97.21 879.61

50 89 83 19-0006 CY CALTRANS 192502 SAND BEDDING39.97

50 89 83 19-0007 CY CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL)65.13 879.61

50 89 83 19-0008 CY CALTRANS 193118 CONCRETE BACKFILL238.46

50 89 83 19-0009 CY CALTRANS 198010 IMPORTED BORROW (CY)67.14

50 89 83 19-0010 TON CALTRANS 198011 IMPORTED BORROW (TON)93.99

50 89 83 19-0011 SY CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A16.07

For Up To 50, Add 1.27

For >50 To 150, Add 0.95

For >150 To 250, Add 0.63

For >250 To 500, Add 0.31

50 89 83 19-0012 SY CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A22.50

For Up To 50, Add 0.54

For >50 To 150, Add 0.40

For >150 To 250, Add 0.26

For >250 To 500, Add 0.13

50 89 83 19-0013 SY CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B17.07

For Up To 50, Add 1.47

For >50 To 150, Add 1.10

For >150 To 250, Add 0.73

For >250 To 500, Add 0.36

50 89 83 19-0014 SY CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B23.43

For Up To 50, Add 0.73

For >50 To 150, Add 0.54

For >150 To 250, Add 0.36

For >250 To 500, Add 0.18

50 89 83 19-0015 SY CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B33.23

For Up To 50, Add 0.70

For >50 To 150, Add 0.52

For >150 To 250, Add 0.34

For >250 To 500, Add 0.17

50 89 83 19-0016 SY CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID5.42

For Up To 50, Add 1.20

For >50 To 150, Add 0.89

For >150 To 250, Add 0.58

For >250 To 500, Add 0.29

50 89 83 19-0017 SY CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT2.23

50 89 83 20 LANDSCAPE (50 89 83)

Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports.

50 89 83 20-0001 SF CALTRANS 200114 ROCK BLANKET15.96
For >5,000, Deduct -2.10

50 89 83 20-0002 SY CALTRANS 200122 WEED GERMINATION0.67

50 89 83 20-0003 SY CALTRANS 200123 CULTIVATION2.97

50 89 83 20-0004 LB CALTRANS 202004 IRON SULFATE (LB)7.65

50 89 83 20-0005 CY CALTRANS 202006 SOIL AMENDMENT121.62

50 89 83 20-0006 EA CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY1,138.87

50 89 83 20-0007 EA CALTRANS 202027 RELOCATE WATER METER1,138.87

50 89 83 20-0008 EA CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER1,440.07

50 89 83 20-0009 LB CALTRANS 202037 ORGANIC FERTILIZER7.76

50 89 83 20-0010 EA CALTRANS 202038 PACKET FERTILIZER1.20

50 89 83 20-0011 LB CALTRANS 202039 SLOW-RELEASE FERTILIZER3.85

50 89 83 20-0012 EA CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B)457.53

50 89 83 20-0013 EA CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B)851.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0014 EA CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B)	1,323.50	
50 89 83 20-0015 EA CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B)	2,066.50	
50 89 83 20-0016 EA CALTRANS 204005 PLANT (GROUP E)	4.36	
<i>For >100 To 1,000, Deduct</i>	-0.25	
<i>For >1,000 To 5,000, Deduct</i>	-0.38	
<i>For >5,000, Deduct</i>	-0.49	
50 89 83 20-0017 EA CALTRANS 204006 PLANT (GROUP F)	2.40	
<i>For >100 To 1,000, Deduct</i>	-0.15	
<i>For >1,000 To 5,000, Deduct</i>	-0.25	
<i>For >5,000, Deduct</i>	-0.31	
50 89 83 20-0018 EA CALTRANS 204008 PLANT (GROUP H)	6.74	
<i>For >10 To 100, Deduct</i>	-0.67	
<i>For >100 To 1,000, Deduct</i>	-1.52	
<i>For >1,000 To 10,000, Deduct</i>	-2.36	
<i>For >10,000 To 25,000, Deduct</i>	-3.37	
<i>For >25,000, Deduct</i>	-4.72	
50 89 83 20-0019 EA CALTRANS 204009 PLANT (GROUP I)	24.95	
<i>For >100 To 1,000, Deduct</i>	-1.70	
<i>For >1,000 To 5,000, Deduct</i>	-2.77	
<i>For >5,000, Deduct</i>	-3.40	
50 89 83 20-0020 EA CALTRANS 204011 PLANT (GROUP K)	626.53	
50 89 83 20-0021 EA CALTRANS 204013 PLANT (GROUP M)	8.31	
<i>For >100 To 1,000, Deduct</i>	-0.48	
<i>For >1,000 To 5,000, Deduct</i>	-0.76	
<i>For >5,000, Deduct</i>	-0.97	
50 89 83 20-0022 EA CALTRANS 204015 PLANT (GROUP S)	9.26	
<i>For >100 To 1,000, Deduct</i>	-0.58	
<i>For >1,000 To 5,000, Deduct</i>	-0.93	
<i>For >5,000, Deduct</i>	-1.16	
50 89 83 20-0023 EA CALTRANS 204020 PLANT (GROUP P)	7.86	
<i>For >100 To 1,000, Deduct</i>	-0.45	
<i>For >1,000 To 5,000, Deduct</i>	-0.70	
<i>For >5,000, Deduct</i>	-0.90	
50 89 83 20-0024 EA CALTRANS 204030 TRANSPLANT TREE	4,072.81	
<i>For >5 To 10, Deduct</i>	-203.64	
<i>For >10 To 20, Deduct</i>	-407.28	
<i>For >20, Deduct</i>	-610.92	
50 89 83 20-0025 EA CALTRANS 204035 PLANT (GROUP A)	33.73	
50 89 83 20-0026 EA CALTRANS 204036 PLANT (GROUP B)	85.62	
50 89 83 20-0027 EA CALTRANS 204038 PLANT (GROUP U)	223.80	
50 89 83 20-0028 SY CALTRANS 204045 SOD	20.84	
50 89 83 20-0029 SF CALTRANS 205033 GRAVEL MULCH	1.42	
50 89 83 20-0030 SF CALTRANS 205034 DECOMPOSED GRANITE	1.54	
50 89 83 20-0031 CY CALTRANS 205035 WOOD MULCH	104.31	
<i>For >5 To 20, Deduct</i>	-8.89	
<i>For >20 To 50, Deduct</i>	-13.33	
<i>For >50, Deduct</i>	-18.55	
50 89 83 20-0032 EA CALTRANS 205051 FOLIAGE PROTECTOR	41.18	
50 89 83 20-0033 EA CALTRANS 205052 ROOT PROTECTOR	29.15	
50 89 83 20-0034 LF CALTRANS 205062 ROOT BARRIER	13.08	
50 89 83 20-0035 LF CALTRANS 206005 EDGING	17.83	
50 89 83 20-0036 EA CALTRANS 206561 3/4" REMOTE CONTROL VALVE	425.38	
50 89 83 20-0037 EA CALTRANS 206562 1" REMOTE CONTROL VALVE	686.29	
50 89 83 20-0038 EA CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE	759.85	
50 89 83 20-0039 EA CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE	839.71	
50 89 83 20-0040 EA CALTRANS 206565 2" REMOTE CONTROL VALVE	944.87	
50 89 83 20-0041 EA CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE	1,523.42	
50 89 83 20-0042 EA CALTRANS 206567 3" REMOTE CONTROL VALVE	2,101.96	
50 89 83 20-0043 EA CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR	1,060.17	
50 89 83 20-0044 EA CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY	344.32	
50 89 83 20-0045 EA CALTRANS 206631 1" WYE STRAINER ASSEMBLY	373.70	
50 89 83 20-0046 EA CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY	416.99	
50 89 83 20-0047 EA CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY	442.83	
50 89 83 20-0048 EA CALTRANS 206634 2" WYE STRAINER ASSEMBLY	528.71	
50 89 83 20-0049 EA CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY	803.34	
50 89 83 20-0050 EA CALTRANS 206636 3" WYE STRAINER ASSEMBLY	967.36	
50 89 83 20-0051 EA CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	990.09	
50 89 83 20-0052 EA CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,362.20	
50 89 83 20-0053 EA CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,795.06	
50 89 83 20-0054 EA CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	2,288.55	
50 89 83 20-0055 EA CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	3,056.60	
50 89 83 20-0056 EA CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	3,820.83	
50 89 83 20-0057 LF CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE)	12.26	
<i>For >1,000, Deduct</i>	-0.61	
50 89 83 20-0058 LF CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE)	16.84	
<i>For >1,000, Deduct</i>	-0.84	
50 89 83 20-0059 LF CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE)	21.28	
<i>For >1,000, Deduct</i>	-1.06	
50 89 83 20-0060 LF CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE)	27.32	
<i>For >1,000, Deduct</i>	-1.37	
50 89 83 20-0061 LF CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE)	33.33	
<i>For >1,000, Deduct</i>	-1.67	
50 89 83 20-0062 LF CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE)	46.28	
<i>For >1,000, Deduct</i>	-2.31	

50 Custom Standards And Assemblies
50 89 CALTRANS Custom Standards And Assemblies
50 89 80 CALTRANS Construction Performance Requirements



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0063 LF CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE).....	92.25	
For >1,000, Deduct	-4.61	
50 89 83 20-0064 LF CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE).....	151.38	
For >1,000, Deduct	-7.57	
50 89 83 20-0065 LF CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE).....	64.45	
For >1,000, Deduct	-3.22	
50 89 83 20-0066 LF CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE).....	14.10	
For >1,000, Deduct	-0.71	
50 89 83 20-0067 LF CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE).....	16.50	
For >1,000, Deduct	-0.83	
50 89 83 20-0068 LF CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE).....	19.93	
For >1,000, Deduct	-1.00	
50 89 83 20-0069 LF CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE).....	23.94	
For >1,000, Deduct	-1.20	
50 89 83 20-0070 LF CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE).....	27.98	
For >1,000, Deduct	-1.40	
50 89 83 20-0071 LF CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE).....	35.66	
For >1,000, Deduct	-1.78	
50 89 83 20-0072 LF CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE).....	54.50	
For >1,000, Deduct	-2.73	
50 89 83 20-0073 LF CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE).....	75.16	
For >1,000, Deduct	-3.76	
50 89 83 20-0074 LF CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE).....	112.38	
For >1,000, Deduct	-5.62	
50 89 83 20-0075 LF CALTRANS 208026 2" SUPPLY LINE (BRIDGE).....	58.93	
50 89 83 20-0076 LF CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE).....	75.97	
50 89 83 20-0077 LF CALTRANS 208028 3" SUPPLY LINE (BRIDGE).....	95.01	
50 89 83 20-0078 LF CALTRANS 208029 4" SUPPLY LINE (BRIDGE).....	141.89	
50 89 83 20-0079 LF CALTRANS 208030 6" SUPPLY LINE (BRIDGE).....	379.73	
50 89 83 20-0080 LF CALTRANS 208033 8" SUPPLY LINE (BRIDGE).....	878.00	
50 89 83 20-0081 LF CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	42.32	
50 89 83 20-0082 LF CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	61.69	
50 89 83 20-0083 LF CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	76.73	
50 89 83 20-0084 LF CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	115.07	
50 89 83 20-0085 LF CALTRANS 208220 1/2" DRIP IRRIGATION TUBING.....	2.81	
50 89 83 20-0086 LF CALTRANS 208221 3/4" DRIP IRRIGATION TUBING.....	3.03	
50 89 83 20-0087 EA CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET.....	3,887.95	
50 89 83 20-0088 EA CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY.....	2,141.12	
50 89 83 20-0089 EA CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY.....	2,264.82	
50 89 83 20-0090 EA CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY.....	2,979.34	
50 89 83 20-0091 EA CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY.....	3,248.96	
50 89 83 20-0092 EA CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY.....	4,317.66	
50 89 83 20-0093 EA CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY.....	9,645.39	
50 89 83 20-0094 EA CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY.....	11,187.32	
50 89 83 20-0095 EA CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY.....	12,129.66	
50 89 83 20-0096 EA CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE.....	3,010.02	
50 89 83 20-0097 EA CALTRANS 208442 FLOW SENSOR.....	1,719.13	
50 89 83 20-0098 EA CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN).....	100.79	13.67
50 89 83 20-0099 EA CALTRANS 208448 RISER SPRINKLER ASSEMBLY.....	60.82	13.67
50 89 83 20-0100 EA CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY.....	59.66	13.67
50 89 83 20-0101 EA CALTRANS 208562 CAM COUPLER ASSEMBLY.....	469.38	
50 89 83 20-0102 EA CALTRANS 208569 1/2" GATE VALVE.....	310.74	
50 89 83 20-0103 EA CALTRANS 208570 3/4" GATE VALVE.....	330.52	
50 89 83 20-0104 EA CALTRANS 208572 1" GATE VALVE.....	361.13	
50 89 83 20-0105 EA CALTRANS 208573 1 1/4" GATE VALVE.....	398.52	
50 89 83 20-0106 EA CALTRANS 208574 1 1/2" GATE VALVE.....	424.93	
50 89 83 20-0107 EA CALTRANS 208575 2" GATE VALVE.....	484.20	
50 89 83 20-0108 EA CALTRANS 208576 2 1/2" GATE VALVE.....	784.10	
50 89 83 20-0109 EA CALTRANS 208588 3" GATE VALVE.....	1,188.57	
50 89 83 20-0110 EA CALTRANS 208589 4" GATE VALVE.....	1,591.37	
50 89 83 20-0111 EA CALTRANS 208590 6" GATE VALVE.....	2,241.73	
50 89 83 20-0112 EA CALTRANS 208591 8" GATE VALVE.....	3,371.28	
50 89 83 20-0113 LF CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	7.01	
For >1,000, Deduct	-0.35	
For Schedule 80, Add	0.30	
50 89 83 20-0114 LF CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	7.31	
For >1,000, Deduct	-0.37	
For Schedule 80, Add	0.37	
50 89 83 20-0115 LF CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	8.40	
For >1,000, Deduct	-0.42	
For Schedule 80, Add	0.60	
50 89 83 20-0116 LF CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	10.02	
For >1,000, Deduct	-0.50	
For Schedule 80, Add	0.89	
50 89 83 20-0117 LF CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	10.39	
For >1,000, Deduct	-0.52	
For Schedule 80, Add	1.19	
50 89 83 20-0118 LF CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	12.49	
For >1,000, Deduct	-0.62	
For Schedule 80, Add	2.01	
50 89 83 20-0119 LF CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	15.69	
For >1,000, Deduct	-0.78	
For Schedule 80, Add	2.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0120 LF CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	20.34	
<i>For >1,000, Deduct</i>	-1.02	
<i>For Schedule 80, Add</i>	3.65	
50 89 83 20-0121 LF CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	26.20	
<i>For >1,000, Deduct</i>	-1.31	
<i>For Schedule 80, Add</i>	5.58	
50 89 83 20-0122 LF CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	37.75	
<i>For >1,000, Deduct</i>	-1.89	
<i>For Schedule 80, Add</i>	12.43	
50 89 83 20-0123 LF CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	48.32	
<i>For >1,000, Deduct</i>	-2.42	
<i>For Schedule 80, Add</i>	19.06	
50 89 83 20-0124 LF CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	112.19	
<i>For >1,000, Deduct</i>	-5.61	
<i>For Schedule 80, Add</i>	59.26	
50 89 83 20-0125 LF CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	13.52	
<i>For >1,000, Deduct</i>	-0.68	
50 89 83 20-0126 LF CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	17.38	
<i>For >1,000, Deduct</i>	-0.87	
50 89 83 20-0127 LF CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	20.34	
<i>For >1,000, Deduct</i>	-1.02	
50 89 83 20-0128 LF CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	26.20	
<i>For >1,000, Deduct</i>	-1.31	
50 89 83 20-0129 LF CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	38.50	
<i>For >1,000, Deduct</i>	-1.93	
50 89 83 20-0130 EA CALTRANS 208631 3/4" PRESSURE RELIEF VALVE.....	927.19	
50 89 83 20-0131 EA CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE.....	1,374.86	
50 89 83 20-0132 EA CALTRANS 208633 1" PRESSURE RELIEF VALVE.....	1,098.40	
50 89 83 20-0133 EA CALTRANS 208634 2" PRESSURE RELIEF VALVE.....	1,558.17	
50 89 83 20-0134 EA CALTRANS 208640 PRESSURE REGULATING VALVE (3/4").....	285.27	
50 89 83 20-0135 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1").....	374.68	
50 89 83 20-0136 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4").....	640.55	
50 89 83 20-0137 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2").....	868.83	
50 89 83 20-0138 EA CALTRANS 208640 PRESSURE REGULATING VALVE (2").....	1,245.55	
50 89 83 20-0139 EA CALTRANS 208649 QUICK COUPLING VALVE.....	579.41	
50 89 83 20-0140 EA CALTRANS 208670 1/2" CHECK VALVE.....	325.38	
50 89 83 20-0141 EA CALTRANS 208670 3/4" CHECK VALVE.....	348.84	
50 89 83 20-0142 EA CALTRANS 208670 1" CHECK VALVE.....	380.20	
50 89 83 20-0143 EA CALTRANS 208670 1 1/4" CHECK VALVE.....	428.47	
50 89 83 20-0144 EA CALTRANS 208670 1 1/2" CHECK VALVE.....	477.76	
50 89 83 20-0145 EA CALTRANS 208670 2" CHECK VALVE.....	544.23	
50 89 83 20-0146 EA CALTRANS 208670 2 1/2" CHECK VALVE.....	848.07	
50 89 83 20-0147 EA CALTRANS 208670 3" CHECK VALVE.....	1,248.01	
50 89 83 20-0148 EA CALTRANS 208670 4" CHECK VALVE.....	1,834.94	
50 89 83 20-0149 EA CALTRANS 208670 6" CHECK VALVE.....	2,754.27	
50 89 83 20-0150 EA CALTRANS 208670 8" CHECK VALVE.....	5,933.00	
50 89 83 20-0151 EA CALTRANS 208683 1/2" BALL VALVE.....	293.10	
50 89 83 20-0152 EA CALTRANS 208683 3/4" BALL VALVE.....	321.84	
50 89 83 20-0153 EA CALTRANS 208683 1" BALL VALVE.....	333.26	
50 89 83 20-0154 EA CALTRANS 208683 1 1/4" BALL VALVE.....	370.80	
50 89 83 20-0155 EA CALTRANS 208683 1 1/2" BALL VALVE.....	390.83	
50 89 83 20-0156 EA CALTRANS 208683 2" BALL VALVE.....	430.36	
50 89 83 20-0157 EA CALTRANS 208683 2 1/2" BALL VALVE.....	482.41	
50 89 83 20-0158 LF CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE).....	48.32	
<i>For >1,000, Deduct</i>	-2.42	
50 89 83 20-0159 LF CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT.....	56.98	
<i>For >1,000, Deduct</i>	-2.85	
50 89 83 20-0160 LF CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT.....	83.48	
<i>For >1,000, Deduct</i>	-4.17	
50 89 83 20-0161 LF CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	27.43	
50 89 83 20-0162 LF CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	35.31	
50 89 83 20-0163 LF CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	40.80	
50 89 83 20-0164 LF CALTRANS 208756 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	31.92	
50 89 83 20-0165 LF CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	39.99	
50 89 83 20-0166 LF CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	49.64	
50 89 83 20-0167 LF CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	54.78	
50 89 83 20-0168 LF CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT.....	31.64	
<i>For >1,000, Deduct</i>	-1.58	
50 89 83 20-0169 LF CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT.....	38.02	
<i>For >1,000, Deduct</i>	-1.90	
50 89 83 20-0170 LF CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT.....	44.25	
<i>For >1,000, Deduct</i>	-2.21	
50 89 83 20-0171 LF CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT.....	65.15	
<i>For >1,000, Deduct</i>	-3.26	
50 89 83 20-0172 LF CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT.....	92.64	
<i>For >1,000, Deduct</i>	-4.63	
50 89 83 20-0173 LF CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT.....	139.00	
<i>For >1,000, Deduct</i>	-6.95	
50 89 83 20-0174 LF CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT.....	202.51	
<i>For >1,000, Deduct</i>	-10.13	
50 89 83 20-0175 LF CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT.....	273.91	
<i>For >1,000, Deduct</i>	-13.70	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

50 89 83 20-0176 LF CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT353.67
For >1,000, Deduct -17.68

50 89 83 21 EROSION CONTROL (50 89 83)

Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard.

50 89 83 21-0001 EA CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL)370.55
50 89 83 21-0002 CY CALTRANS 210110 IMPORTED TOPSOIL (CY)67.14
50 89 83 21-0003 TON CALTRANS 210111 IMPORTED TOPSOIL (TON)83.90
50 89 83 21-0004 SF CALTRANS 210212 DRY SEED (SQFT)0.11
50 89 83 21-0005 ACR CALTRANS 210213 DRY SEED (ACRE)4,706.25
For >5 To 20, Deduct -333.31
For >20 To 45, Deduct -646.96
For >45, Deduct -1,058.60
50 89 83 21-0006 SY CALTRANS 210222 DRILL SEED (SQYD)0.38
50 89 83 21-0007 ACR CALTRANS 210223 DRILL SEED (ACRE)1,836.56
50 89 83 21-0008 SF CALTRANS 210252 BONDED FIBER MATRIX (SQFT)0.10
50 89 83 21-0009 ACR CALTRANS 210253 BONDED FIBER MATRIX (ACRE)4,378.90
50 89 83 21-0010 SF CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH)0.66
50 89 83 21-0011 SF CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING)2.11
50 89 83 21-0012 SF CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET)0.69
50 89 83 21-0013 SF CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM)1.62
50 89 83 21-0014 SF CALTRANS 210300 HYDROMULCH0.09
50 89 83 21-0015 LF CALTRANS 210350 FIBER ROLL10.18
Note: 12" Diameter, Type 1
For >1,000 To 10,000, Deduct -1.00
For >10,000, Deduct -1.70
For 9" Diameter, Deduct -1.80
50 89 83 21-0016 LF CALTRANS 210350 FIBER ROLL8.36
Note: 12" Diameter, Type 2
For >1,000 To 10,000, Deduct -0.72
For >10,000, Deduct -1.24
For 9" Diameter, Deduct -1.80
50 89 83 21-0017 LF CALTRANS 210360 COMPOST SOCK11.56
50 89 83 21-0018 SF CALTRANS 210420 STRAW0.18
50 89 83 21-0019 SF CALTRANS 210430 HYDROSEED0.09
50 89 83 21-0020 CY CALTRANS 210610 COMPOST (CY)93.90
For >100 To 1,000, Deduct -15.72
For >1,000, Deduct -24.09
50 89 83 21-0021 SF CALTRANS 210630 INCORPORATE MATERIALS0.06

50 89 84 CALTRANS DIVISION IV - SUBBASES AND BASES (50 89 80)

50 89 84 24 STABILIZED SOILS (50 89 84)

50 89 84 24-0001 SY CALTRANS 240105 LIME STABILIZED SOIL11.89
For 4% Lime Instead Of 5%, Deduct -0.33
For 6% Lime Instead Of 5%, Add 0.33
50 89 84 24-0002 SY CALTRANS 240300 CEMENT STABILIZED SOIL11.51

50 89 84 25 AGGREGATE SUBBASES (50 89 84)

Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.

50 89 84 25-0001 CY CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE108.67
50 89 84 25-0002 CY CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE111.39
50 89 84 25-0003 CY CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE106.65
50 89 84 25-0004 CY CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE106.59
50 89 84 25-0005 CY CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE106.53

50 89 84 26 AGGREGATE BASES (50 89 84)

Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.

50 89 84 26-0001 CY CALTRANS 260200 AGGREGATE BASE107.97
For Recycled Aggregate Base, Deduct -6.38
50 89 84 26-0002 TON CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON)114.35
50 89 84 26-0003 CY CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY)111.39
50 89 84 26-0004 TON CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON)107.87
50 89 84 26-0005 CY CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY)106.65

50 89 84 27 CEMENT TREATED BASES (50 89 84)

Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.

50 89 84 27-0001 TON CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON)53.26
For Up To 500, Add 15.69
For >500 To 1,000, Add 5.33
For >5,000 To 10,000, Deduct -2.02
For >10,000, Deduct -3.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 27-0002 CY CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY).....	72.03	
<i>For Up To 500, Add</i>	21.24	
<i>For >500 To 1,000, Add</i>	7.20	
<i>For >5,000 To 10,000, Deduct</i>	-2.74	
<i>For >10,000, Deduct</i>	-4.68	
50 89 84 27-0003 TON CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON).....	43.57	
<i>For Up To 500, Add</i>	12.79	
<i>For >500 To 1,000, Add</i>	4.36	
<i>For >5,000 To 10,000, Deduct</i>	-1.66	
<i>For >10,000, Deduct</i>	-2.83	
50 89 84 27-0004 CY CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY).....	62.33	
<i>For Up To 500, Add</i>	18.33	
<i>For >500 To 1,000, Add</i>	6.23	
<i>For >5,000 To 10,000, Deduct</i>	-2.37	
<i>For >10,000, Deduct</i>	-4.05	
50 89 84 28 CONCRETE BASES <small>(50 89 84)</small>		
<i>Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.</i>		
50 89 84 28-0001 CY CALTRANS 280001 CONCRETE BASE.....	247.75	
50 89 84 29 TREATED PERMEABLE BASES <small>(50 89 84)</small>		
<i>Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.</i>		
50 89 84 29-0001 CY CALTRANS 290301 CEMENT TREATED PERMEABLE BASE.....	974.00	
<i>For >5,000 To 30,000, Deduct</i>	-103.69	
<i>For >30,000 To 100,000, Deduct</i>	-189.33	
<i>For >100,000, Deduct</i>	-235.13	
50 89 84 30 RECLAIMED PAVEMENT <small>(50 89 84)</small>		
<i>Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.</i>		
50 89 84 30-0001 SF CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT.....	24.04	
50 89 84 30-0002 SY CALTRANS 303000 PULVERIZED ROADBED.....	5.30	
50 89 85 CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS <small>(50 89 80)</small>		
50 89 85 37 BITUMINOUS SEALS <small>(50 89 85)</small>		
<i>Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.</i>		
50 89 85 37-0001 SY CALTRANS 370001 SAND COVER (SEAL).....	1.46	
50 89 85 37-0002 SY CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT).....	0.85	
50 89 85 37-0003 LNMI CALTRANS 374207 CRACK TREATMENT.....	6,669.88	
50 89 85 37-0004 SY CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT).....	4.72	
50 89 85 37-0005 SY CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT).....	9.79	
50 89 85 37-0006 TON CALTRANS 375001 SCREENINGS.....	77.31	
<i>For Up To 14, Add</i>	21.06	
<i>For >14 To 35, Add</i>	7.73	
50 89 85 37-0007 SY CALTRANS 375009 TACK COAT (SEAL).....	1.05	
<i>For Up To 150, Add</i>	0.23	
<i>For >150 To 300, Add</i>	0.11	
<i>For >300 To 500, Add</i>	0.05	
<i>For >3,500 To 5,000, Deduct</i>	-0.03	
<i>For >5,000, Deduct</i>	-0.07	
50 89 85 37-0008 SY CALTRANS 377501 SLURRY SEAL (TYPE I).....	3.00	
<i>Note: 1/8" thick.</i>		
<i>For Each 0.5% Of Latex Addition, Add</i>	0.30	
50 89 85 37-0009 SY CALTRANS 377501 SLURRY SEAL (TYPE II).....	3.96	
<i>Note: 1/4" thick, 14 to 18 Lbs/SY.</i>		
<i>For Each 0.5% Of Latex Addition, Add</i>	0.45	
50 89 85 37-0010 SY CALTRANS 377501 SLURRY SEAL (TYPE III).....	5.13	
<i>Note: 3/8" thick, 25 to 30 Lbs/SY.</i>		
<i>For Each 0.5% Of Latex Addition, Add</i>	0.73	
50 89 85 37-0011 SY CALTRANS 378000 MICRO-SURFACING.....	10.53	
50 89 85 39 ASPHALT CONCRETE <small>(50 89 85)</small>		
<i>Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.</i>		
50 89 85 39-0001 TON CALTRANS 390100 PRIME COAT.....	1,415.97	
50 89 85 39-0002 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25).....	171.99	
50 89 85 39-0003 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100).....	162.33	
50 89 85 39-0004 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250).....	147.12	
50 89 85 39-0005 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250).....	139.75	
50 89 85 39-0006 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25).....	271.77	
50 89 85 39-0007 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100).....	237.62	
50 89 85 39-0008 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250).....	203.98	
50 89 85 39-0009 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250).....	147.12	
50 89 85 39-0010 TON CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25).....	280.14	
50 89 85 39-0011 TON CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED).....	174.09	
<i>Note: Includes placement, rolling, finishing and sweeping.</i>		

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

50 89 85 39-0012	SY	CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC).....	2.10	
		Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene		
		For Up To 50, Add	0.46	
		For >50 To 150, Add	0.34	
		For >150 To 250, Add	0.22	
		For >250 To 500, Add	0.11	
50 89 85 39-0013	LF	CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B)	9.56	
50 89 85 39-0014	LF	CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A)	7.00	
50 89 85 39-0015	LF	CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C)	3.77	
50 89 85 39-0016	LF	CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D)	15.28	
50 89 85 39-0017	LF	CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E)	9.89	
50 89 85 39-0018	LF	CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F)	5.51	
50 89 85 39-0019	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2"	16.40	
		For Up To 500, Add	2.61	
		For >500 To 1,000, Add	1.49	
		For >5,000 To 10,000, Deduct	-0.66	
		For >10,000 To 24,000, Deduct	-1.21	
		For >24,000 To 48,000, Deduct	-1.87	
		For >48,000, Deduct	-2.69	
50 89 85 39-0020	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3".....	22.83	
		For Up To 300, Add	3.41	
		For >300 To 600, Add	2.75	
		For >3,000 To 6,000, Deduct	-0.95	
		For >6,000 To 16,000, Deduct	-1.74	
		For >16,000 To 32,000, Deduct	-2.69	
		For >32,000, Deduct	-3.88	
50 89 85 39-0021	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4".....	30.92	
		For Up To 250, Add	4.30	
		For >250 To 500, Add	2.38	
		For >2,500 To 5,000, Deduct	-1.35	
		For >5,000 To 12,000, Deduct	-2.45	
		For >12,000 To 24,000, Deduct	-3.79	
		For >24,000, Deduct	-5.45	
50 89 85 39-0022	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6".....	46.40	
		For Up To 160, Add	6.45	
		For >160 To 320, Add	3.58	
		For >1,600 To 3,200, Deduct	-2.02	
		For >3,200 To 8,000, Deduct	-3.67	
		For >8,000 To 16,000, Deduct	-5.69	
		For >16,000, Deduct	-8.17	
50 89 85 39-0023	TON	CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE).....	174.09	
50 89 85 39-0024	TON	CALTRANS 397005 TACK COAT	856.91	
50 89 85 39-0025	SF	CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY)	200.47	
		For >500 To 1,000, Deduct	-20.05	
		For >1,000 To 2,500, Deduct	-36.08	
		For >2,500 To 5,000, Deduct	-52.12	
		For >5,000 To 10,000, Deduct	-68.16	
		For >10,000, Deduct	-84.20	
50 89 85 39-0026	SF	CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	3.40	
		For >500 To 1,000, Deduct	-0.34	
		For >1,000 To 2,500, Deduct	-0.61	
		For >2,500 To 5,000, Deduct	-0.88	
		For >5,000 To 10,000, Deduct	-1.16	
		For >10,000, Deduct	-1.43	
50 89 85 39-0027	LF	CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE.....	5.61	
50 89 85 39-0028	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3").....	4.76	
		For Up To 2,500, Add	3.57	
		For >2,500 To 5,000, Add	1.19	
		For >10,000 To 25,000, Deduct	-0.48	
		For >25,000, Deduct	-0.71	
50 89 85 39-0029	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6").....	6.34	
		For Up To 2,500, Add	4.76	
		For >2,500 To 5,000, Add	1.59	
		For >10,000 To 25,000, Deduct	-0.63	
		For >25,000, Deduct	-0.95	

50 89 85 40 CONCRETE PAVEMENT (50 89 85)

Note: Includes concrete pavement, reinforcing, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 40-0001	CY	CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	379.22	
		For >1,000 To 5,000, Deduct	-18.46	
		For >5,000, Deduct	-46.65	
50 89 85 40-0002	CY	CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT	365.23	
		For >1,000 To 5,000, Deduct	-18.46	
		For >5,000, Deduct	-45.95	

50 89 85 41 EXISTING CONCRETE PAVEMENT (50 89 85)

Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.

50 89 85 41-0001	EA	CALTRANS 410096 DRILL AND BOND (DOWEL BAR).....	31.80	
50 89 85 41-0002	SY	CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE)	411.89	
		For Up To 100, Add	576.52	
		For >100 To 250, Add	288.26	
50 89 85 41-0003	LF	CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER).....	9.22	
50 89 85 41-0004	LF	CALTRANS 414221 REPLACE JOINT SEAL (SILICONE).....	8.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 41-0005 LF CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16").....	15.88	
50 89 85 41-0006 LF CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4").....	18.86	
50 89 85 41-0007 LF CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2").....	37.73	
50 89 85 41-0008 LF CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE).....	12.94	
50 89 85 41-0009 LF CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION).....	13.48	
50 89 85 41-0010 SY CALTRANS 416101 PAVEMENT TRANSITION TAPER	60.56	
For Up To 100, Add	24.19	
For >100 To 250, Add	13.61	
For >250 To 500, Add	6.81	
For >1,000 To 2,000, Deduct	-1.52	
For >2,000 To 5,000, Deduct	-3.03	
For >5,000 To 10,000, Deduct	-4.55	
For >10,000 To 20,000, Deduct	-6.06	
For >20,000, Deduct	-7.57	
50 89 85 41-0011 CY CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE	49.62	
50 89 85 41-0012 SY CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD).....	24.30	
For >500 To 1,000, Deduct	-2.43	
For >1,000 To 2,500, Deduct	-4.37	
For >2,500 To 5,000, Deduct	-6.32	
For >5,000 To 10,000, Deduct	-8.26	
For >10,000, Deduct	-10.21	
50 89 85 42 GROOVE AND GRIND CONCRETE (50 89 85)		
Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.		
50 89 85 42-0001 SY CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT.....	1.82	
50 89 85 42-0002 SY CALTRANS 420104 GROOVE EXISTING BRIDGE DECK.....	2.74	
50 89 85 42-0003 SY CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT.....	4.76	
For Up To 2,500, Add	3.57	
For >2,500 To 5,000, Add	1.19	
For >10,000 To 25,000, Deduct	-0.48	
For >25,000, Deduct	-0.71	
50 89 85 42-0004 SY CALTRANS 420203 GRIND EXISTING BRIDGE DECK.....	30.07	
For >100 To 1,000, Deduct	-15.04	
For >1,000, Deduct	-22.55	
50 89 86 CALTRANS DIVISION VI - STRUCTURES (50 89 86)		
50 89 86 47 EARTH RETAINING SYSTEMS (50 89 86)		
50 89 86 47-0001 SF CALTRANS 475010 RETAINING WALL (MASONRY WALL).....	67.85	9.22
For >3:1 Sloped Soil At Top, Add	4.20	
50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES (50 89 86)		
50 89 86 56-0001 SF CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED).....	19.27	24.75
50 89 86 60 EXISTING STRUCTURES (50 89 86)		
50 89 86 60-0001 LF CALTRANS 600063 CORE CONCRETE (1").....	129.48	
For Horizontal Cores, Add	25.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.17	
50 89 86 60-0002 LF CALTRANS 600064 CORE CONCRETE (2").....	159.48	
For Horizontal Cores, Add	31.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.17	
50 89 86 60-0003 LF CALTRANS 600065 CORE CONCRETE (3").....	175.08	
For Horizontal Cores, Add	34.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	69.18	
50 89 86 60-0004 LF CALTRANS 600066 CORE CONCRETE (4").....	233.36	
For Horizontal Cores, Add	46.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	92.23	
50 89 86 60-0005 LF CALTRANS 600067 CORE CONCRETE (5").....	268.74	
For Horizontal Cores, Add	53.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	106.13	
50 89 86 60-0006 LF CALTRANS 600068 CORE CONCRETE (6").....	303.49	
For Horizontal Cores, Add	60.01	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	120.03	
50 89 86 60-0007 LF CALTRANS 600069 CORE CONCRETE (7").....	397.12	
For Horizontal Cores, Add	78.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	156.98	
50 89 86 60-0008 LF CALTRANS 600070 CORE CONCRETE (8").....	489.52	
For Horizontal Cores, Add	96.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	193.94	
50 89 86 60-0009 LF CALTRANS 600071 CORE CONCRETE (9").....	56.50	
For Horizontal Cores, Add	10.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.12	
50 89 86 60-0010 LF CALTRANS 600072 CORE CONCRETE (10").....	527.38	
For Horizontal Cores, Add	104.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	208.47	
50 89 86 60-0011 LF CALTRANS 600074 CORE CONCRETE (12").....	607.59	
For Horizontal Cores, Add	120.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	240.06	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 86 60-0012 LF CALTRANS 600081 CORE CONCRETE (1 1/2").....	143.69	
For Horizontal Cores, Add	28.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.86	
50 89 86 60-0013 LF CALTRANS 600083 CORE CONCRETE (2 1/2").....	167.57	
For Horizontal Cores, Add	33.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.17	
50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES (50 89 80)		
50 89 87 64 PLASTIC PIPE (50 89 87)		
Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.		
50 89 87 64-0001 LF CALTRANS 641101 12" PLASTIC PIPE	68.17	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0002 LF CALTRANS 641104 15" PLASTIC PIPE	87.51	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0003 LF CALTRANS 641107 18" PLASTIC PIPE	115.46	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0004 LF CALTRANS 641110 21" PLASTIC PIPE	137.57	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0005 LF CALTRANS 641113 24" PLASTIC PIPE	163.56	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0006 LF CALTRANS 641119 30" PLASTIC PIPE	243.84	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0007 LF CALTRANS 641125 36" PLASTIC PIPE	297.11	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0008 LF CALTRANS 641128 42" PLASTIC PIPE	335.48	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 64-0009 LF CALTRANS 641131 48" PLASTIC PIPE	408.53	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65 CONCRETE PIPE (50 89 87)		
Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.		
50 89 87 65-0001 LF CALTRANS 650010 12" REINFORCED CONCRETE PIPE.....	65.06	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.25	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0002 LF CALTRANS 650012 15" REINFORCED CONCRETE PIPE.....	80.87	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.04	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0003 LF CALTRANS 650014 18" REINFORCED CONCRETE PIPE.....	92.70	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.64	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0004 LF CALTRANS 650016 21" REINFORCED CONCRETE PIPE.....	119.32	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.97	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0005 LF CALTRANS 650018 24" REINFORCED CONCRETE PIPE.....	137.94	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.90	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0006 LF CALTRANS 650019 27" REINFORCED CONCRETE PIPE.....	170.26	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0007 LF CALTRANS 650022 30" REINFORCED CONCRETE PIPE.....	182.04	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.10	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0008 LF CALTRANS 650024 33" REINFORCED CONCRETE PIPE.....	203.09	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0009 LF CALTRANS 650026 36" REINFORCED CONCRETE PIPE.....	223.97	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.20	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0010 LF CALTRANS 650030 42" REINFORCED CONCRETE PIPE.....	288.16	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.41	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0011 LF CALTRANS 650034 48" REINFORCED CONCRETE PIPE.....	345.40	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-17.27	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0012 LF CALTRANS 650038 54" REINFORCED CONCRETE PIPE.....	424.28	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-21.21	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0013 LF CALTRANS 650042 60" REINFORCED CONCRETE PIPE.....	508.89	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-25.44	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0014 LF CALTRANS 650046 66" REINFORCED CONCRETE PIPE.....	753.52	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-37.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0015 LF CALTRANS 650050 72" REINFORCED CONCRETE PIPE.....	874.36	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-43.72	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0016 LF CALTRANS 650054 78" REINFORCED CONCRETE PIPE.....	1,043.18	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-52.16	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0017 LF CALTRANS 650058 84" REINFORCED CONCRETE PIPE.....	1,325.94	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-66.30	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0018 LF CALTRANS 650065 96" REINFORCED CONCRETE PIPE.....	1,616.34	
Note: Includes 4.44 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-80.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0019 LF CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II).....	90.76	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.54	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0020 LF CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II).....	178.14	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.91	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0021 LF CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II).....	198.50	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.93	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0022 LF CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II).....	218.68	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.93	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0023 LF CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III).....	65.06	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.25	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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50 89 87 65-0024	LF CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III).....	80.87	
	Note: Includes 0.53 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-4.04	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0025	LF CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III).....	92.70	
	Note: Includes 0.64 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-4.64	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0026	LF CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III).....	137.94	
	Note: Includes 0.89 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-6.90	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0027	LF CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III).....	170.26	
	Note: Includes 0.98 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-8.51	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0028	LF CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III).....	182.04	
	Note: Includes 1.08 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-9.10	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0029	LF CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III).....	223.97	
	Note: Includes 1.30 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-11.20	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0030	LF CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III).....	288.16	
	Note: Includes 1.53 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-14.41	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0031	LF CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III).....	424.28	
	Note: Includes 2.05 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-21.21	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0032	LF CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV).....	67.80	
	Note: Includes 0.37 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-3.39	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0033	LF CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV).....	84.38	
	Note: Includes 0.53 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-4.22	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0034	LF CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV).....	96.39	
	Note: Includes 0.64 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-4.82	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0035	LF CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV).....	143.37	
	Note: Includes 0.89 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-7.17	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0036	LF CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV).....	189.45	
	Note: Includes 1.08 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-9.47	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0037	LF CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV).....	234.01	
	Note: Includes 1.30 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-11.70	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0038	LF CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV).....	363.43	
	Note: Includes 1.78 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-18.17	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0039	LF CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV).....	447.69	
	Note: Includes 2.05 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-22.38	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0040	LF CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV).....	537.68	
	Note: Includes 2.33 CY of excavated material per LF of pipe.		
	For >1,000, Deduct	-26.88	
	For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
	For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0041 LF CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V).....	70.83	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.54	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0042 LF CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V).....	100.47	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.02	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0043 LF CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V).....	149.36	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.47	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0044 LF CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V).....	182.04	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.10	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0045 LF CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V).....	245.11	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.26	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0046 LF CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V).....	288.16	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.41	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0047 LF CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V).....	473.55	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-23.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0048 LF CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V).....	508.89	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-25.44	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0049 LF CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V).....	874.36	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-43.72	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0050 LF CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT).....	65.64	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.28	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0051 LF CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT).....	139.08	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.95	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0052 LF CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	67.23	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.36	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0053 LF CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	95.61	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.78	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0054 LF CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	123.11	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.16	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0055 LF CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	142.22	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.11	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0056 LF CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	187.89	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.39	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0057 LF CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	231.90	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.60	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	

50 Custom Standards And Assemblies

50 89 CALTRANS Custom Standards And Assemblies

50 89 80 CALTRANS Construction Performance Requirements



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0058 LF CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	299.63	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.98	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0059 LF CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	359.63	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-17.98	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0060 LF CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	921.16	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-46.06	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0061 LF CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	148.05	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.40	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0062 LF CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	195.84	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.79	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0063 LF CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	242.68	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.13	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0064 LF CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	315.24	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-15.76	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0065 LF CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	846.56	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-42.33	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0066 LF CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	156.35	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0067 LF CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	193.50	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.68	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0068 LF CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	257.33	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.87	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0069 LF CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II).....	269.79	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.49	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0070 LF CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III).....	462.66	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-23.13	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0071 LF CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE.....	84.94	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.25	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0072 LF CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE.....	126.52	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.33	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0073 LF CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE.....	166.45	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.32	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 65-0074 LF CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE.....	202.82	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.14	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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50 89 87 66

CORRUGATED METAL PIPE ^(50 89 87)

Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 66-0001	LF	CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK)	32.50	
		Note: Includes 0.29 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK)	35.49	
		Note: Includes 0.29 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK)	43.72	
		Note: Includes 0.29 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK)	47.64	
		Note: Includes 0.29 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK)	53.92	
		Note: Includes 0.32 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK)	57.12	
		Note: Includes 0.32 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK)	59.54	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK)	64.66	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK)	75.62	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK)	81.93	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK)	94.94	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK)	89.20	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK)	96.83	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK)	112.61	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK)	106.03	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK)	114.84	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK)	133.18	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK)	117.68	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0019	LF	CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK)	128.16	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	
50 89 87 66-0020	LF	CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK)	149.06	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>	0.93	
		<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	1.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0042	LF			CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK) 364.17 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0043	LF			CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK) 409.01 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0044	LF			CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK) 451.70 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0045	LF			CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK) 504.89 Note: Includes 2.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0046	LF			CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK) 474.42 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0047	LF			CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK) 521.94 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0048	LF			CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK) 580.35 Note: Includes 2.33 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0049	LF			CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK) 570.30 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0050	LF			CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK) 622.52 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0051	LF			CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK) 764.79 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0052	LF			CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK) 838.81 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0053	LF			CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK) 905.31 Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0054	LF			CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK) 968.84 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0055	LF			CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK) 1,080.07 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0056	LF			CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK) 1,037.02 Note: Includes 4.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0057	LF			CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK) 1,102.64 Note: Includes 4.44 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0058	LF			CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK) 125.70 Note: Includes 0.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0059	LF			CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) 138.03 Note: Includes 0.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0060	LF			CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) 38.83 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0061	LF			CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) 48.09 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0062	LF			CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) 52.03 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		
50 89 87 66-0063	LF			CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) 59.42 For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.93 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.37		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0106	LF		CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	676.51	
			Note: Includes 2.64 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0107	LF		CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	760.68	
			Note: Includes 2.64 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0108	LF		CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....	838.63	
			Note: Includes 2.96 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0109	LF		CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	927.44	
			Note: Includes 2.96 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0110	LF		CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	1,029.37	
			Note: Includes 2.96 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0111	LF		CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	998.99	
			Note: Includes 3.31 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0112	LF		CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	1,109.06	
			Note: Includes 3.31 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0113	LF		CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	1,069.95	
			Note: Includes 3.67 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0114	LF		CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	1,203.43	
			Note: Includes 3.67 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0115	LF		CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....	1,144.36	
			Note: Includes 4.05 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0116	LF		CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....	213.13	
			Note: Includes 0.89 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0117	LF		CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK).....	155.72	
			Note: Includes 0.89 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0118	LF		CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....	173.55	
			Note: Includes 0.89 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0119	LF		CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....	292.77	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0120	LF		CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....	140.06	
			Note: Includes 0.89 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0121	LF		CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK).....	277.75	
			Note: Includes 1.08 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0122	LF		CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....	242.73	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0123	LF		CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	60.35	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0124	LF		CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	64.52	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0125	LF		CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....	77.50	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0126	LF		CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	109.29	
			Note: Includes 0.64 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0127	LF	CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	118.85 0.93 1.37	
50 89 87 66-0128	LF	CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	200.66 0.93 1.37	
50 89 87 66-0129	LF	CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK)..... Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	119.09 0.93 1.37	
50 89 87 66-0130	LF	CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK)..... Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	127.56 0.93 1.37	
50 89 87 66-0131	LF	CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK)..... Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	66.28 0.93 1.37	
50 89 87 66-0132	LF	CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK)..... Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	71.44 0.93 1.37	
50 89 87 66-0133	LF	CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	122.89 0.93 1.37	
50 89 87 66-0134	LF	CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	134.75 0.93 1.37	
50 89 87 66-0135	LF	CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	171.81 0.93 1.37	
50 89 87 66-0136	LF	CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	200.84 0.93 1.37	
50 89 87 66-0137	LF	CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK)..... Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	141.65 0.93 1.37	
50 89 87 66-0138	LF	CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	236.37 0.93 1.37	
50 89 87 66-0139	LF	CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... Note: Includes 0.53 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	85.33 0.93 1.37	
50 89 87 66-0140	LF	CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	104.45 0.93 1.37	
50 89 87 66-0141	LF	CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	120.11 0.93 1.37	
50 89 87 66-0142	LF	CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	123.24 0.93 1.37	
50 89 87 66-0143	LF	CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	141.69 0.93 1.37	
50 89 87 66-0144	LF	CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	131.61 0.93 1.37	
50 89 87 66-0145	LF	CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK)..... Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	159.36 0.93 1.37	
50 89 87 66-0146	LF	CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK)..... Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	177.66 0.93 1.37	
50 89 87 66-0147	LF	CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK)..... Note: Includes 1.08 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	183.07 0.93 1.37	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0148	LF		CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	208.85	
			Note: Includes 1.08 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0149	LF		CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	231.89	
			Note: Includes 1.08 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0150	LF		CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	229.36	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0151	LF		CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	259.85	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0152	LF		CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	288.55	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0153	LF		CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	268.89	
			Note: Includes 1.53 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0154	LF		CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	304.07	
			Note: Includes 1.53 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0155	LF		CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	337.54	
			Note: Includes 1.53 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0156	LF		CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	323.75	
			Note: Includes 1.78 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0157	LF		CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	355.00	
			Note: Includes 1.78 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0158	LF		CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	392.93	
			Note: Includes 1.78 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0159	LF		CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	378.43	
			Note: Includes 2.05 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0160	LF		CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	412.94	
			Note: Includes 2.05 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0161	LF		CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	483.16	
			Note: Includes 2.33 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0162	LF		CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	526.34	
			Note: Includes 2.33 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0163	LF		CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	801.59	
			Note: Includes 2.64 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0164	LF		CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK).....	173.75	
			Note: Includes 0.89 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0165	LF		CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK).....	356.60	
			Note: Includes 1.30 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0166	LF		CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	64.66	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0167	LF		CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	89.20	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0168	LF		CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	96.83	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	
50 89 87 66-0169	LF		CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK).....	112.61	
			Note: Includes 0.37 CY of excavated material per LF of pipe.		
			For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.93	
			For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0170	LF			CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....48.09 <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 66-0171	LF			CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....140.06 Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 67 STRUCTURAL PLATE CULVERTS ^(50 89 87)						
Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.						
50 89 87 67-0001	LF			CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK) .....937.46 Note: Includes 4.05 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 67-0002	LF			CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK) .....1,024.15 Note: Includes 5.30 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 67-0003	LF			CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK) .....1,136.04 Note: Includes 6.22 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 67-0004	LF			CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK) .....1,306.20 Note: Includes 0.32 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 68 SUBSURFACE DRAINS ^(50 89 87)						
Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.						
50 89 87 68-0001	LF			CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) .....33.10 <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 68-0002	LF			CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) .....44.56 <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 68-0003	LF			CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) .....48.67 <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 68-0004	LF			CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK) .....63.23 Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 68-0005	LF			CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) .....68.62 Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 68-0006	LF			CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK) .....53.27 <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> 0.93 <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i> 1.37		
50 89 87 69 OVERSIDE DRAINS ^(50 89 87)						
Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.						
50 89 87 69-0001	LF			CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....34.90		
50 89 87 69-0002	LF			CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) .....42.74		
50 89 87 69-0003	LF			CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....46.66		
50 89 87 69-0004	LF			CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN .....56.32		
50 89 87 69-0005	LF			CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) .....57.90		
50 89 87 69-0006	LF			CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....63.02		
50 89 87 69-0007	LF			CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....79.71		
50 89 87 69-0008	LF			CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....92.73		
50 89 87 69-0009	LF			CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) .....86.66		
50 89 87 69-0010	LF			CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....94.28		
50 89 87 69-0011	LF			CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....110.06		
50 89 87 69-0012	LF			CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) .....113.10		
50 89 87 69-0013	LF			CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....123.34		
50 89 87 69-0014	LF			CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....144.24		
50 89 87 69-0015	LF			CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) .....161.79		
50 89 87 69-0016	LF			CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....165.01		
50 89 87 69-0017	LF			CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....190.85		
50 89 87 69-0018	LF			CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) .....213.17		
50 89 87 69-0019	LF			CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....217.51		
50 89 87 69-0020	LF			CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....248.18		
50 89 87 69-0021	LF			CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) .....276.88		
50 89 87 69-0022	LF			CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....287.23		
50 89 87 69-0023	LF			CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....325.13		
50 89 87 69-0024	LF			CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK) .....363.23		
50 89 87 69-0025	LF			CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK) .....395.89		
50 89 87 69-0026	LF			CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK) .....47.11		
50 89 87 69-0027	LF			CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK) .....51.05		
50 89 87 69-0028	LF			CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)63.71		



MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

50 89 87 69-0029	LF	CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	68.85	
50 89 87 69-0030	LF	CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	95.41	
50 89 87 69-0031	LF	CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	103.12	
50 89 87 69-0032	LF	CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	120.19	
50 89 87 69-0033	LF	CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	124.87	
50 89 87 69-0034	LF	CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	135.23	
50 89 87 69-0035	LF	CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	157.80	
50 89 87 69-0036	LF	CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	178.31	
50 89 87 69-0037	LF	CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	180.29	
50 89 87 69-0038	LF	CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	208.10	
50 89 87 69-0039	LF	CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	221.59	
50 89 87 69-0040	LF	CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	269.50	
50 89 87 69-0041	LF	CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	304.01	
50 89 87 69-0042	LF	CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	312.22	
50 89 87 69-0043	LF	CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	353.35	
50 89 87 69-0044	LF	CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	234.18	
50 89 87 69-0045	LF	CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	90.92	
50 89 87 69-0046	LF	CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	135.67	
50 89 87 69-0047	LF	CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	128.34	
50 89 87 69-0048	LF	CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	168.73	
50 89 87 69-0049	LF	CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	274.34	
50 89 87 69-0050	LF	CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	457.00	
50 89 87 69-0051	LF	CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN	66.54	
50 89 87 69-0052	LF	CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN	112.91	
50 89 87 69-0053	EA	CALTRANS 692303 8" ANCHOR ASSEMBLY	638.77	
50 89 87 69-0054	EA	CALTRANS 692305 12" ANCHOR ASSEMBLY	794.15	
50 89 87 69-0055	EA	CALTRANS 692306 15" ANCHOR ASSEMBLY	888.97	
50 89 87 69-0056	EA	CALTRANS 692307 18" ANCHOR ASSEMBLY	990.71	
50 89 87 69-0057	EA	CALTRANS 692309 24" ANCHOR ASSEMBLY	1,216.03	
50 89 87 69-0058	EA	CALTRANS 692311 30" ANCHOR ASSEMBLY	1,457.90	
50 89 87 69-0059	EA	CALTRANS 692313 36" ANCHOR ASSEMBLY	1,699.96	
50 89 87 69-0060	EA	CALTRANS 692319 54" ANCHOR ASSEMBLY	2,428.54	

50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES (50 89 87)

50 89 87 70-0001	LF	CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK)	223.59	
50 89 87 70-0002	LF	CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK)	223.59	
50 89 87 70-0003	LF	CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK)	254.25	
50 89 87 70-0004	LF	CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK)	282.95	
50 89 87 70-0005	LF	CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK)	347.70	
50 89 87 70-0006	LF	CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK)	337.20	
50 89 87 70-0007	LF	CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK)	375.30	
50 89 87 70-0008	LF	CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK)	227.67	
50 89 87 70-0009	LF	CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	240.96	
50 89 87 70-0010	LF	CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK)	275.58	
50 89 87 70-0011	LF	CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK)	310.08	
50 89 87 70-0012	LF	CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	365.42	
50 89 87 70-0013	LF	CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK)	116.18	29.16
		<i>For >1,000, Deduct</i>	-5.81	
50 89 87 70-0014	LF	CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK)	162.75	31.81
		<i>For >1,000, Deduct</i>	-8.14	
50 89 87 70-0015	LF	CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK)	184.82	33.33
		<i>For >1,000, Deduct</i>	-9.24	
50 89 87 70-0016	LF	CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK)	262.82	43.73
		<i>For >1,000, Deduct</i>	-13.14	
50 89 87 70-0017	LF	CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK)	345.83	74.32
		<i>For >1,000, Deduct</i>	-17.29	
50 89 87 70-0018	LF	CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK)	379.00	74.32
		<i>For >1,000, Deduct</i>	-18.95	
50 89 87 70-0019	LF	CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK)	409.76	85.76
		<i>For >1,000, Deduct</i>	-20.49	
50 89 87 70-0020	LF	CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK)	482.93	85.76
		<i>For >1,000, Deduct</i>	-24.15	
50 89 87 70-0021	LF	CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK)	476.26	100.05
		<i>For >1,000, Deduct</i>	-23.81	
50 89 87 70-0022	LF	CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK)	560.94	100.05
		<i>For >1,000, Deduct</i>	-28.05	
50 89 87 70-0023	LF	CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK)	631.83	120.07
		<i>For >1,000, Deduct</i>	-31.59	
50 89 87 70-0024	LF	CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK)	748.68	120.07
		<i>For >1,000, Deduct</i>	-37.43	
50 89 87 70-0025	LF	CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK)	1,284.92	134.36
		<i>For >1,000, Deduct</i>	-64.25	
50 89 87 70-0026	LF	CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK)	1,284.92	134.36
		<i>For >1,000, Deduct</i>	-64.25	
50 89 87 70-0027	LF	CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK)	1,475.65	151.52
		<i>For >1,000, Deduct</i>	-73.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0028 LF CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK)	129.23	29.16
For >1,000, Deduct	-6.46	
50 89 87 70-0029 LF CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK)	177.29	31.81
For >1,000, Deduct	-8.86	
50 89 87 70-0030 LF CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK)	184.82	33.33
For >1,000, Deduct	-9.24	
50 89 87 70-0031 LF CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK)	287.44	43.73
For >1,000, Deduct	-14.37	
50 89 87 70-0032 LF CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK)	370.46	74.32
For >1,000, Deduct	-18.52	
50 89 87 70-0033 LF CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK)	406.37	74.32
For >1,000, Deduct	-20.32	
50 89 87 70-0034 LF CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK)	424.30	85.76
For >1,000, Deduct	-21.22	
50 89 87 70-0035 LF CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK)	517.30	100.05
For >1,000, Deduct	-25.87	
50 89 87 70-0036 LF CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK)	601.99	100.05
For >1,000, Deduct	-30.10	
50 89 87 70-0037 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK)	681.08	120.07
For >1,000, Deduct	-34.05	
50 89 87 70-0038 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK)	797.93	120.07
For >1,000, Deduct	-39.90	
50 89 87 70-0039 LF CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK)	1,342.38	134.36
For >1,000, Deduct	-67.12	
50 89 87 70-0040 LF CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK)	1,342.38	134.36
For >1,000, Deduct	-67.12	
50 89 87 70-0041 LF CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK)	1,541.31	151.52
For >1,000, Deduct	-77.07	
50 89 87 70-0042 EA CALTRANS 705007 12" STEEL FLARED END SECTION	574.29	70.75
50 89 87 70-0043 EA CALTRANS 705009 15" STEEL FLARED END SECTION	669.09	75.81
50 89 87 70-0044 EA CALTRANS 705011 18" STEEL FLARED END SECTION	806.56	80.86
50 89 87 70-0045 EA CALTRANS 705013 21" STEEL FLARED END SECTION	1,011.79	88.44
50 89 87 70-0046 EA CALTRANS 705015 24" STEEL FLARED END SECTION	1,339.11	96.03
50 89 87 70-0047 EA CALTRANS 705016 27" STEEL FLARED END SECTION	1,687.31	96.03
50 89 87 70-0048 EA CALTRANS 705019 30" STEEL FLARED END SECTION	2,040.56	108.65
50 89 87 70-0049 EA CALTRANS 705023 36" STEEL FLARED END SECTION	3,510.92	129.89
50 89 87 70-0050 EA CALTRANS 705027 42" STEEL FLARED END SECTION	4,497.85	151.54
50 89 87 70-0051 EA CALTRANS 705031 48" STEEL FLARED END SECTION	6,463.97	173.19
50 89 87 70-0052 EA CALTRANS 705035 54" STEEL FLARED END SECTION	7,145.34	216.49
50 89 87 70-0053 EA CALTRANS 705037 60" STEEL FLARED END SECTION	9,647.53	259.79
50 89 87 70-0054 EA CALTRANS 705039 66" STEEL FLARED END SECTION	10,820.20	389.68
50 89 87 70-0055 EA CALTRANS 705041 72" STEEL FLARED END SECTION	12,579.13	519.57
50 89 87 70-0056 EA CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION	677.00	70.75
50 89 87 70-0057 EA CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION	791.68	75.81
50 89 87 70-0058 EA CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION	954.64	80.86
50 89 87 70-0059 EA CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION	1,208.91	88.44
50 89 87 70-0060 EA CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION	1,610.92	96.03
50 89 87 70-0061 EA CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION	2,040.05	96.03
50 89 87 70-0062 EA CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION	2,474.23	108.65
50 89 87 70-0063 EA CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION	4,285.39	129.89
50 89 87 70-0064 EA CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION	5,496.09	151.54
50 89 87 70-0065 EA CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION	7,920.59	173.19
50 89 87 70-0066 EA CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION	8,740.61	216.49
50 89 87 70-0067 EA CALTRANS 705201 12" CONCRETE FLARED END SECTION	899.73	126.10
50 89 87 70-0068 EA CALTRANS 705202 15" CONCRETE FLARED END SECTION	1,084.31	157.17
50 89 87 70-0069 EA CALTRANS 705204 18" CONCRETE FLARED END SECTION	1,315.93	198.95
50 89 87 70-0070 EA CALTRANS 705205 21" CONCRETE FLARED END SECTION	1,508.51	237.92
50 89 87 70-0071 EA CALTRANS 705206 24" CONCRETE FLARED END SECTION	1,838.67	275.37
50 89 87 70-0072 EA CALTRANS 705207 27" CONCRETE FLARED END SECTION	2,215.09	439.79
50 89 87 70-0073 EA CALTRANS 705208 30" CONCRETE FLARED END SECTION	2,304.62	605.52
50 89 87 70-0074 EA CALTRANS 705210 36" CONCRETE FLARED END SECTION	3,116.00	764.20
50 89 87 70-0075 EA CALTRANS 705212 42" CONCRETE FLARED END SECTION	3,745.54	958.82
50 89 87 70-0076 EA CALTRANS 705214 48" CONCRETE FLARED END SECTION	4,062.78	1,081.36
50 89 87 70-0077 EA CALTRANS 705216 54" CONCRETE FLARED END SECTION	4,555.62	1,211.14
50 89 87 70-0078 EA CALTRANS 705217 60" CONCRETE FLARED END SECTION	5,045.37	1,211.14
50 89 87 70-0079 EA CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION	858.85	80.86
50 89 87 70-0080 EA CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION	937.25	88.44
50 89 87 70-0081 EA CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION	1,010.57	96.03
50 89 87 70-0082 EA CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION	1,547.76	108.65
50 89 87 70-0083 EA CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION	3,011.27	129.89
50 89 87 70-0084 EA CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION	4,051.81	151.54
50 89 87 70-0085 EA CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION	6,290.27	173.19
50 89 87 70-0086 EA CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION	7,192.50	216.49
50 89 87 70-0087 EA CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION	8,689.83	259.79

50 89 87 71 EXISTING DRAINAGE FACILITIES (50 89 87)

Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRANS Standard.

50 89 87 71-0001	EA CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE	442.15
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50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0002 LF CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF).....	54.82	
For>250 To 500, Deduct	-2.44	
For>500 To 1,000, Deduct	-4.88	
For>1,000 To 2,000, Deduct	-7.32	
For>2,000 To 5,000, Deduct	-9.76	
For>5,000, Deduct	-12.20	
50 89 87 71-0003 CY CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL	238.46	
50 89 87 71-0004 CY CALTRANS 710370 SAND BACKFILL	59.19	
For Up To 10, Add	15.97	
For>10 To 25, Add	5.92	
50 89 87 71-0005 LF CALTRANS 710372 8" CURED-IN-PLACE PIPELINER	83.99	
For>10 To 25, Add	59.27	
For>25 To 50, Add	38.91	
For>50 To 100, Add	19.46	
For>500 To 1,000, Deduct	-2.62	
For>1,000 To 2,000, Deduct	-4.81	
For>2,000 To 5,000, Deduct	-7.42	
For>5,000, Deduct	-11.80	
50 89 87 71-0006 LF CALTRANS 710374 10" CURED-IN-PLACE PIPELINER	119.13	
For>10 To 25, Add	71.41	
For>25 To 50, Add	47.88	
For>50 To 100, Add	23.94	
For>500 To 1,000, Deduct	-3.40	
For>1,000 To 2,000, Deduct	-6.34	
For>2,000 To 5,000, Deduct	-9.74	
For>5,000, Deduct	-15.61	
50 89 87 71-0007 LF CALTRANS 710376 12" CURED-IN-PLACE PIPELINER	141.89	
For>10 To 25, Add	81.37	
For>25 To 50, Add	54.90	
For>50 To 100, Add	27.45	
For>500 To 1,000, Deduct	-3.96	
For>1,000 To 2,000, Deduct	-7.41	
For>2,000 To 5,000, Deduct	-11.37	
For>5,000, Deduct	-18.27	
50 89 87 71-0008 LF CALTRANS 710378 15" CURED-IN-PLACE PIPELINER	225.19	
For>10 To 25, Add	108.32	
For>25 To 50, Add	75.09	
For>50 To 100, Add	37.55	
For>500 To 1,000, Deduct	-5.78	
For>1,000 To 2,000, Deduct	-10.97	
For>2,000 To 5,000, Deduct	-16.75	
For>5,000, Deduct	-27.14	
50 89 87 71-0009 LF CALTRANS 710380 18" CURED-IN-PLACE PIPELINER	269.92	
For>10 To 25, Add	126.25	
For>25 To 50, Add	87.94	
For>50 To 100, Add	43.97	
For>500 To 1,000, Deduct	-6.84	
For>1,000 To 2,000, Deduct	-13.02	
For>2,000 To 5,000, Deduct	-19.85	
For>5,000, Deduct	-32.22	
50 89 87 71-0010 LF CALTRANS 710382 21" CURED-IN-PLACE PIPELINER	348.60	
For>10 To 25, Add	150.83	
For>25 To 50, Add	106.51	
For>50 To 100, Add	53.26	
For>500 To 1,000, Deduct	-8.53	
For>1,000 To 2,000, Deduct	-16.35	
For>2,000 To 5,000, Deduct	-24.88	
For>5,000, Deduct	-40.52	
50 89 87 71-0011 LF CALTRANS 710384 24" CURED-IN-PLACE PIPELINER	437.90	
For>10 To 25, Add	178.96	
For>25 To 50, Add	127.72	
For>50 To 100, Add	63.86	
For>500 To 1,000, Deduct	-10.46	
For>1,000 To 2,000, Deduct	-20.14	
For>2,000 To 5,000, Deduct	-30.60	
For>5,000, Deduct	-49.97	
50 89 87 71-0012 LF CALTRANS 710386 27" CURED-IN-PLACE PIPELINER	584.34	
For>10 To 25, Add	226.59	
For>25 To 50, Add	163.38	
For>50 To 100, Add	81.69	
For>500 To 1,000, Deduct	-13.65	
For>1,000 To 2,000, Deduct	-26.41	
For>2,000 To 5,000, Deduct	-40.07	
For>5,000, Deduct	-65.59	
50 89 87 71-0013 LF CALTRANS 710388 30" CURED-IN-PLACE PIPELINER	650.87	
For>10 To 25, Add	252.11	
For>25 To 50, Add	181.82	
For>50 To 100, Add	90.91	
For>500 To 1,000, Deduct	-15.20	
For>1,000 To 2,000, Deduct	-29.41	
For>2,000 To 5,000, Deduct	-44.61	
For>5,000, Deduct	-73.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0014 LF CALTRANS 710390 36" CURED-IN-PLACE PIPELINER	780.96	
<i>For >10 To 25, Add</i>	295.64	
<i>For >25 To 50, Add</i>	214.20	
<i>For >50 To 100, Add</i>	107.10	
<i>For >500 To 1,000, Deduct</i>	-18.07	
<i>For >1,000 To 2,000, Deduct</i>	-35.03	
<i>For >2,000 To 5,000, Deduct</i>	-53.10	
<i>For >5,000, Deduct</i>	-87.02	
50 89 87 71-0015 LF CALTRANS 710392 42" CURED-IN-PLACE PIPELINER	912.55	
<i>For >10 To 25, Add</i>	342.93	
<i>For >25 To 50, Add</i>	248.84	
<i>For >50 To 100, Add</i>	124.42	
<i>For >500 To 1,000, Deduct</i>	-21.06	
<i>For >1,000 To 2,000, Deduct</i>	-40.84	
<i>For >2,000 To 5,000, Deduct</i>	-61.90	
<i>For >5,000, Deduct</i>	-101.46	
50 89 87 71-0016 LF CALTRANS 710394 48" CURED-IN-PLACE PIPELINER	1,046.29	
<i>For >10 To 25, Add</i>	395.63	
<i>For >25 To 50, Add</i>	286.71	
<i>For >50 To 100, Add</i>	143.36	
<i>For >500 To 1,000, Deduct</i>	-24.20	
<i>For >1,000 To 2,000, Deduct</i>	-46.92	
<i>For >2,000 To 5,000, Deduct</i>	-71.12	
<i>For >5,000, Deduct</i>	-116.55	
50 89 87 71-0017 LF CALTRANS 710396 54" CURED-IN-PLACE PIPELINER	1,369.28	
<i>For >10 To 25, Add</i>	510.96	
<i>For >25 To 50, Add</i>	371.29	
<i>For >50 To 100, Add</i>	185.65	
<i>For >500 To 1,000, Deduct</i>	-31.51	
<i>For >1,000 To 2,000, Deduct</i>	-61.14	
<i>For >2,000 To 5,000, Deduct</i>	-92.65	
<i>For >5,000, Deduct</i>	-151.92	
50 89 87 71-0018 LF CALTRANS 710398 60" CURED-IN-PLACE PIPELINER	1,745.16	
<i>For >10 To 25, Add</i>	666.44	
<i>For >25 To 50, Add</i>	482.01	
<i>For >50 To 100, Add</i>	241.00	
<i>For >500 To 1,000, Deduct</i>	-40.53	
<i>For >1,000 To 2,000, Deduct</i>	-78.50	
<i>For >2,000 To 5,000, Deduct</i>	-119.03	
<i>For >5,000, Deduct</i>	-194.97	
50 89 87 71-0019 LF CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER	319.98	
<i>For >500 To 1,000, Deduct</i>	-1.57	
<i>For >1,000 To 2,000, Deduct</i>	-3.14	
<i>For >2,000, Deduct</i>	-6.28	
50 89 87 71-0020 LF CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER	362.36	
<i>For >500 To 1,000, Deduct</i>	-1.70	
<i>For >1,000 To 2,000, Deduct</i>	-3.40	
<i>For >2,000, Deduct</i>	-6.80	
50 89 87 71-0021 LF CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER	443.27	
<i>For >500 To 1,000, Deduct</i>	-1.85	
<i>For >1,000 To 2,000, Deduct</i>	-3.71	
<i>For >2,000, Deduct</i>	-7.42	
50 89 87 71-0022 LF CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	31.42	
50 89 87 71-0023 LF CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	47.20	
50 89 87 71-0024 LF CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	63.60	
50 89 87 71-0025 LF CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	78.92	
50 89 87 71-0026 LF CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	103.45	
50 89 87 71-0027 LF CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	124.16	
50 89 87 71-0028 LF CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	142.16	
50 89 87 71-0029 LF CALTRANS 710448 12" CEMENTITIOUS PIPELINER	74.78	
50 89 87 71-0030 LF CALTRANS 710450 15" CEMENTITIOUS PIPELINER	83.86	
50 89 87 71-0031 LF CALTRANS 710452 18" CEMENTITIOUS PIPELINER	89.34	
50 89 87 71-0032 LF CALTRANS 710454 21" CEMENTITIOUS PIPELINER	95.83	
50 89 87 71-0033 LF CALTRANS 710456 24" CEMENTITIOUS PIPELINER	102.14	
50 89 87 71-0034 LF CALTRANS 710458 27" CEMENTITIOUS PIPELINER	107.20	
50 89 87 71-0035 LF CALTRANS 710460 30" CEMENTITIOUS PIPELINER	112.09	
50 89 87 71-0036 LF CALTRANS 710462 36" CEMENTITIOUS PIPELINER	107.55	
50 89 87 71-0037 LF CALTRANS 710478 36" WELDED STEEL PIPELINER	717.27	
50 89 87 71-0038 LF CALTRANS 710480 42" WELDED STEEL PIPELINER	827.67	
50 89 87 71-0039 LF CALTRANS 710482 48" WELDED STEEL PIPELINER	941.13	
50 89 87 71-0040 LF CALTRANS 710484 54" WELDED STEEL PIPELINER	1,148.56	
50 89 87 71-0041 LF CALTRANS 710486 60" WELDED STEEL PIPELINER	1,242.64	
50 89 87 71-0042 LF CALTRANS 710488 66" WELDED STEEL PIPELINER	1,357.46	
50 89 87 71-0043 LF CALTRANS 710490 72" WELDED STEEL PIPELINER	1,621.09	
50 89 87 71-0044 LF CALTRANS 710491 78" WELDED STEEL PIPELINER	1,710.61	
50 89 87 71-0045 LF CALTRANS 710492 84" WELDED STEEL PIPELINER	1,811.10	
50 89 87 71-0046 LF CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29")	323.30	
50 89 87 71-0047 LF CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33")	402.32	
50 89 87 71-0048 LF CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38")	498.15	
50 89 87 71-0049 LF CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43")	598.15	
50 89 87 71-0050 LF CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH)	796.28	
50 89 87 71-0051 LF CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH)	918.23	
50 89 87 71-0052 LF CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH)	1,043.76	
50 89 87 71-0053 LF CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH)	1,279.98	
50 89 87 71-0054 LF CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH)	1,382.71	

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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50 89 87 71-0055	LF	CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH)	1,815.10	
50 89 87 71-0056	LF	CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5)	67.02	
50 89 87 71-0057	LF	CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5)	84.25	
50 89 87 71-0058	LF	CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5)	103.45	
50 89 87 71-0059	LF	CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5)	119.37	
50 89 87 71-0060	LF	CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5)	136.63	
50 89 87 71-0061	LF	CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5)	156.01	
50 89 87 71-0062	LF	CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5)	176.05	
50 89 87 71-0063	LF	CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5)	204.04	
50 89 87 71-0064	LF	CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5)	233.39	
50 89 87 71-0065	LF	CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5)	258.04	
50 89 87 71-0066	LF	CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5)	282.67	
50 89 87 71-0067	LF	CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5)	323.31	
50 89 87 71-0068	LF	CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5)	363.93	
50 89 87 71-0069	LF	CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5)	468.78	
50 89 87 71-0070	LF	CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5)	572.28	
50 89 87 71-0071	LF	CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5)	604.36	
50 89 87 71-0072	LF	CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5)	758.06	
50 89 87 71-0073	LF	CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26)	80.08	
50 89 87 71-0074	LF	CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26)	100.68	
50 89 87 71-0075	LF	CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26)	123.96	
50 89 87 71-0076	LF	CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26)	143.15	
50 89 87 71-0077	LF	CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26)	164.02	
50 89 87 71-0078	LF	CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26)	187.51	
50 89 87 71-0079	LF	CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26)	211.82	
50 89 87 71-0080	LF	CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26)	245.98	
50 89 87 71-0081	LF	CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26)	281.84	
50 89 87 71-0082	LF	CALTRANS 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26)	311.87	
50 89 87 71-0083	LF	CALTRANS 710768 HDPE PLASTIC PIPELINER (36" OD SDR 26)	341.87	
50 89 87 71-0084	LF	CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26)	391.71	
50 89 87 71-0085	LF	CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26)	441.55	
50 89 87 71-0086	LF	CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26)	571.02	
50 89 87 71-0087	LF	CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26)	698.82	
50 89 87 71-0088	LF	CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26)	738.06	
50 89 87 71-0089	LF	CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26)	927.56	
50 89 87 71-0090	LF	CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21)	96.95	
50 89 87 71-0091	LF	CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21)	121.91	
50 89 87 71-0092	LF	CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21)	150.45	
50 89 87 71-0093	LF	CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21)	173.87	
50 89 87 71-0094	LF	CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21)	199.40	
50 89 87 71-0095	LF	CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21)	228.19	
50 89 87 71-0096	LF	CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21)	258.02	
50 89 87 71-0097	LF	CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21)	300.16	
50 89 87 71-0098	LF	CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21)	344.42	
50 89 87 71-0099	LF	CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21)	381.39	
50 89 87 71-0100	LF	CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21)	418.33	
50 89 87 71-0101	LF	CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21)	480.07	
50 89 87 71-0102	LF	CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21)	541.80	
50 89 87 71-0103	LF	CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21)	703.08	
50 89 87 71-0104	LF	CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21)	862.27	
50 89 87 71-0105	LF	CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21)	910.75	
50 89 87 71-0106	LF	CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21)	1,146.51	

50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION (50 89 80)**50 89 88 73 CONCRETE CURBS AND SIDEWALKS (50 89 88)**

50 89 88 73-0001	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18"	28.47	
		For Up To 20, Add	17.36	
		For >20 To 50, Add	9.85	
		For >50 To 100, Add	3.76	
		For >500 To 1,000, Deduct	-3.76	
		For >1,000, Deduct	-6.35	
50 89 88 73-0002	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24"	32.61	
		For Up To 20, Add	19.36	
		For >20 To 50, Add	10.96	
		For >50 To 100, Add	4.20	
		For >500 To 1,000, Deduct	-4.20	
		For >1,000, Deduct	-7.11	
50 89 88 73-0003	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18"	29.99	
		For Up To 20, Add	17.74	
		For >20 To 50, Add	10.05	
		For >50 To 100, Add	3.85	
		For >500 To 1,000, Deduct	-3.85	
		For >1,000, Deduct	-6.52	
50 89 88 73-0004	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24"	34.65	
		For Up To 20, Add	19.77	
		For >20 To 50, Add	11.17	
		For >50 To 100, Add	4.30	
		For >500 To 1,000, Deduct	-4.30	
		For >1,000, Deduct	-7.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0005 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36"	48.11	
<i>For Up To 20, Add</i>	26.94	
<i>For >20 To 50, Add</i>	15.20	
<i>For >50 To 100, Add</i>	5.87	
<i>For >500 To 1,000, Deduct</i>	-5.87	
<i>For >1,000, Deduct</i>	-10.01	
50 89 88 73-0006 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24"	41.91	
<i>For Up To 20, Add</i>	22.81	
<i>For >20 To 50, Add</i>	12.85	
<i>For >50 To 100, Add</i>	4.98	
<i>For >500 To 1,000, Deduct</i>	-4.98	
<i>For >1,000, Deduct</i>	-8.52	
50 89 88 73-0007 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36"	58.92	
<i>For Up To 20, Add</i>	31.46	
<i>For >20 To 50, Add</i>	17.70	
<i>For >50 To 100, Add</i>	6.88	
<i>For >500 To 1,000, Deduct</i>	-6.88	
<i>For >1,000, Deduct</i>	-11.79	
50 89 88 73-0008 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18"	38.10	
<i>For Up To 20, Add</i>	25.95	
<i>For >20 To 50, Add</i>	14.52	
<i>For >50 To 100, Add</i>	5.72	
<i>For >500 To 1,000, Deduct</i>	-4.99	
<i>For >1,000, Deduct</i>	-8.44	
50 89 88 73-0009 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24"	46.17	
<i>For Up To 20, Add</i>	31.43	
<i>For >20 To 50, Add</i>	17.58	
<i>For >50 To 100, Add</i>	6.93	
<i>For >500 To 1,000, Deduct</i>	-6.03	
<i>For >1,000, Deduct</i>	-10.20	
50 89 88 73-0010 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30"	60.31	
<i>For Up To 20, Add</i>	41.08	
<i>For >20 To 50, Add</i>	22.98	
<i>For >50 To 100, Add</i>	9.05	
<i>For >500 To 1,000, Deduct</i>	-7.90	
<i>For >1,000, Deduct</i>	-13.36	
50 89 88 73-0011 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36"	63.51	
<i>For Up To 20, Add</i>	43.23	
<i>For >20 To 50, Add</i>	24.18	
<i>For >50 To 100, Add</i>	9.53	
<i>For >500 To 1,000, Deduct</i>	-8.30	
<i>For >1,000, Deduct</i>	-14.03	
50 89 88 73-0012 SF CALTRANS 730070 DETECTABLE WARNING SURFACE	55.82	
50 89 88 73-0013 CY CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	200.30	
<i>For Up To 20, Add</i>	14.19	
<i>For >20 To 50, Add</i>	5.32	
<i>For >100 To 200, Deduct</i>	-4.01	
<i>For >200 To 400, Deduct</i>	-8.01	
<i>For >400, Deduct</i>	-12.02	
50 89 88 73-0014 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4"	9.89	
<i>For Up To 100, Add</i>	4.32	
<i>For >100 To 500, Add</i>	1.23	
<i>For >1,000 To 5,000, Deduct</i>	-0.74	
<i>For >5,000, Deduct</i>	-1.60	
50 89 88 73-0015 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6"	11.56	
<i>For Up To 100, Add</i>	4.87	
<i>For >100 To 500, Add</i>	1.37	
<i>For >1,000 To 5,000, Deduct</i>	-0.79	
<i>For >5,000, Deduct</i>	-1.76	
50 89 88 73-0016 LF CALTRANS 731700 REMOVE CURB	12.46	
50 89 88 73-0017 LF CALTRANS 731710 REMOVE CONCRETE CURB (LF)	19.25	
<i>For Up To 20, Add</i>	13.48	
<i>For >20 To 50, Add</i>	7.70	
<i>For >50 To 100, Add</i>	2.89	
<i>For >500 To 1,000, Deduct</i>	-2.89	
<i>For >1,000, Deduct</i>	-4.81	
50 89 88 73-0018 SY CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD)	104.09	
<i>For Up To 100, Add</i>	43.83	
<i>For >100 To 500, Add</i>	12.33	
<i>For >1,000 To 5,000, Deduct</i>	-7.12	
<i>For >5,000, Deduct</i>	-15.89	
50 89 88 73-0019 LF CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER)	32.27	
<i>For Up To 20, Add</i>	22.59	
<i>For >20 To 50, Add</i>	12.91	
<i>For >50 To 100, Add</i>	4.84	
<i>For >500 To 1,000, Deduct</i>	-4.84	
<i>For >1,000, Deduct</i>	-8.07	

50 89 88 78 INCIDENTAL CONSTRUCTION (50 89 88)

50 89 88 78-0001 EA CALTRANS 780210 SURVEY MONUMENT (TYPE A)	613.21
50 89 88 78-0002 EA CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE	239.29
50 89 88 78-0003 SF CALTRANS 780433 PAINT CURB (2-COAT)	5.89

50 Custom Standards And Assemblies**50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 78-0004 SF CALTRANS 780460 ANTI-GRAFFITI COATING	1.83	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
50 89 88 78-0005 EA CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE)	103.84	22.55
50 89 88 80 FENCES ^(50 89 88)		
Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRANS Standard.		
50 89 88 80-0001 LF CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST)	13.97	
50 89 88 80-0002 LF CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST)	14.77	
50 89 88 80-0003 LF CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST)	15.87	
50 89 88 80-0004 LF CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST)	14.68	
50 89 88 80-0005 LF CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST)	13.16	
50 89 88 80-0006 LF CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST)	16.67	
50 89 88 80-0007 LF CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6))	8.15	
50 89 88 80-0008 LF CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD)	44.22	
For Up To 100, Add	8.37	
For >100 To 250, Add	3.08	
For >2,500 To 5,000, Deduct	-1.54	
For >5,000, Deduct	-3.08	
50 89 88 80-0009 LF CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5)	42.86	
For Up To 100, Add	8.14	
For >100 To 250, Add	3.00	
For >2,500 To 5,000, Deduct	-1.50	
For >5,000, Deduct	-3.00	
50 89 88 80-0010 LF CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4)	44.28	
For Up To 100, Add	8.38	
For >100 To 250, Add	3.08	
For >2,500 To 5,000, Deduct	-1.54	
For >5,000, Deduct	-3.08	
50 89 88 80-0011 LF CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)	45.84	
For Up To 100, Add	8.61	
For >100 To 250, Add	3.16	
For >2,500 To 5,000, Deduct	-1.58	
For >5,000, Deduct	-3.16	
50 89 88 80-0012 LF CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5)	47.60	
For Up To 100, Add	8.93	
For >100 To 250, Add	3.28	
For >2,500 To 5,000, Deduct	-1.64	
For >5,000, Deduct	-3.28	
50 89 88 80-0013 LF CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD)	49.57	
For Up To 100, Add	9.23	
For >100 To 250, Add	3.37	
For >2,500 To 5,000, Deduct	-1.69	
For >5,000, Deduct	-3.37	
50 89 88 80-0014 LF CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6)	51.56	
For Up To 100, Add	9.64	
For >100 To 250, Add	3.53	
For >2,500 To 5,000, Deduct	-1.77	
For >5,000, Deduct	-3.53	
50 89 88 80-0015 LF CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD)	55.57	
For Up To 100, Add	10.24	
For >100 To 250, Add	3.73	
For >2,500 To 5,000, Deduct	-1.87	
For >5,000, Deduct	-3.73	
50 89 88 80-0016 LF CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM)	52.76	
For Up To 100, Add	9.82	
For >100 To 250, Add	3.59	
For >2,500 To 5,000, Deduct	-1.80	
For >5,000, Deduct	-3.59	
50 89 88 80-0017 LF CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED)	112.86	
For Up To 100, Add	19.31	
For >100 To 250, Add	6.84	
For >2,500 To 5,000, Deduct	-3.42	
For >5,000, Deduct	-6.84	
50 89 88 80-0018 LF CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8)	60.69	
For Up To 100, Add	11.21	
For >100 To 250, Add	4.09	
For >2,500 To 5,000, Deduct	-2.04	
For >5,000, Deduct	-4.09	
50 89 88 80-0019 EA CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4)	458.47	
50 89 88 80-0020 EA CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4)	542.82	
50 89 88 80-0021 EA CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4)	638.34	
50 89 88 80-0022 EA CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4)	1,550.44	
50 89 88 80-0023 EA CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5)	969.03	
50 89 88 80-0024 EA CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5)	2,194.90	
50 89 88 80-0025 EA CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5)	2,533.13	
50 89 88 80-0026 EA CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5)	2,831.16	
50 89 88 80-0027 EA CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6)	467.02	
50 89 88 80-0028 EA CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6)	592.91	
50 89 88 80-0029 EA CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD)	281.65	
50 89 88 80-0030 EA CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	605.13	
50 89 88 80-0031 EA CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED)	630.60	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0032	EA			CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6).....	694.56	
50 89 88 80-0033	EA			CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6).....	806.40	
50 89 88 80-0034	EA			CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6).....	1,035.12	
50 89 88 80-0035	EA			CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM).....	1,048.44	
50 89 88 80-0036	EA			CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6).....	1,147.68	
50 89 88 80-0037	EA			CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6).....	1,703.71	
50 89 88 80-0038	EA			CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6).....	2,021.45	
50 89 88 80-0039	EA			CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6).....	2,400.34	
50 89 88 80-0040	EA			CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6).....	2,723.57	
50 89 88 80-0041	EA			CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6).....	3,055.90	
50 89 88 80-0042	EA			CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6).....	3,392.73	
50 89 88 80-0043	EA			CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6).....	4,077.35	
50 89 88 80-0044	EA			CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7).....	3,224.87	
50 89 88 80-0045	LF			CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM).....	61.89	
				<i>For Up To 100, Add</i>	11.39	
				<i>For >100 To 250, Add</i>	4.15	
				<i>For >2,500 To 5,000, Deduct</i>	-2.07	
				<i>For >5,000, Deduct</i>	-4.15	
50 89 88 80-0046	EA			CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8).....	732.62	
50 89 88 80-0047	EA			CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM).....	744.84	
50 89 88 80-0048	EA			CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8).....	981.32	
50 89 88 80-0049	EA			CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM).....	1,268.72	
50 89 88 80-0050	EA			CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD).....	1,562.70	
50 89 88 80-0051	LF			CALTRANS 803050 REMOVE CHAIN LINK FENCE.....	6.44	
				<i>For Up To 100, Add</i>	1.61	
				<i>For >100 To 250, Add</i>	0.64	
				<i>For >2,500 To 5,000, Deduct</i>	-0.32	
				<i>For >5,000, Deduct</i>	-0.64	
50 89 88 80-0052	EA			CALTRANS 803060 REMOVE GATE.....	295.10	
50 89 88 80-0053	EA			CALTRANS 803160 RESET GATE.....	1,440.07	
50 89 88 80-0054	LF			CALTRANS 803180 RELOCATE CHAIN LINK FENCE.....	30.46	
50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES (50 89 80)						
50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES (50 89 89)						
50 89 89 81-0001	EA			CALTRANS 810120 REMOVE PAVEMENT MARKER.....	2.74	
				<i>For >100, Deduct</i>	-0.27	
50 89 89 81-0002	EA			CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE).....	7.31	2.74
				<i>For >100, Deduct</i>	-0.73	
				<i>For >100, Deduct</i>	-0.73	
50 89 89 81-0003	EA			CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE).....	8.45	2.74
				<i>For >100, Deduct</i>	-0.85	
				<i>For >100, Deduct</i>	-0.85	
50 89 89 81-0004	EA			CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED).....	78.89	32.99
50 89 89 82 SIGNS AND MARKERS (50 89 89)						
50 89 89 82-0001	EA			CALTRANS 820110 MILEPOST MARKER.....	201.65	
50 89 89 82-0002	SF			CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED).....	20.10	38.25
50 89 89 82-0003	SF			CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED).....	20.81	24.75
50 89 89 83 RAILINGS AND BARRIERS (50 89 89)						
50 89 89 83-0001	LF			CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST).....	70.53	10.82
50 89 89 83-0002	LF			CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST).....	141.35	16.21
50 89 89 83-0003	LF			CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST).....	74.78	2.97
50 89 89 83-0004	LF			CALTRANS 839752 REMOVE GUARDRAIL.....	10.82	
50 89 89 84 MARKINGS (50 89 89)						
50 89 89 84-0001	LF			CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE.....	2.13	
				<i>For Up To 5,000 LF, Add</i>	0.43	
				<i>For >25,000 LF, Deduct</i>	-0.32	
50 89 89 84-0002	LF			CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE.....	2.83	
				<i>For Up To 5,000 LF, Add</i>	0.57	
				<i>For >25,000 LF, Deduct</i>	-0.42	
50 89 89 84-0003	LF			CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4).....	1.27	
				<i>For Up To 5,000 LF, Add</i>	0.25	
				<i>For >25,000 LF, Deduct</i>	-0.19	
50 89 89 84-0004	LF			CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3).....	1.10	
				<i>For Up To 5,000 LF, Add</i>	0.22	
				<i>For >25,000 LF, Deduct</i>	-0.17	
50 89 89 84-0005	SF			CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING.....	9.83	
50 89 89 84-0006	SF			CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING.....	9.83	
50 89 89 84-0007	LF			CALTRANS 840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1).....	0.72	
				<i>For Up To 5,000 LF, Add</i>	0.14	
				<i>For >25,000 LF, Deduct</i>	-0.11	
50 89 89 84-0008	LF			CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3).....	0.83	
				<i>For Up To 5,000 LF, Add</i>	0.17	
				<i>For >25,000 LF, Deduct</i>	-0.12	

50 Custom Standards And Assemblies

50 89 CALTRANS Custom Standards And Assemblies

50 89 80 CALTRANS Construction Performance Requirements



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0009	LF		CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	0.98	
			<i>For Up To 5,000 LF, Add</i>	0.20	
			<i>For >25,000 LF, Deduct</i>	-0.15	
50 89 89 84-0010	LF		CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7).....	1.12	
			<i>For Up To 5,000 LF, Add</i>	0.22	
			<i>For >25,000 LF, Deduct</i>	-0.17	
50 89 89 84-0011	LF		CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12).....	1.56	
			<i>For Up To 5,000 LF, Add</i>	0.31	
			<i>For >25,000 LF, Deduct</i>	-0.23	
50 89 89 84-0012	LF		CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	1.29	
			<i>For Up To 5,000 LF, Add</i>	0.26	
			<i>For >25,000 LF, Deduct</i>	-0.19	
50 89 89 84-0013	LF		CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE	1.17	
			<i>For Up To 5,000 LF, Add</i>	0.23	
			<i>For >25,000 LF, Deduct</i>	-0.18	
50 89 89 84-0014	LF		CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE	1.43	
			<i>For Up To 5,000 LF, Add</i>	0.29	
			<i>For >25,000 LF, Deduct</i>	-0.21	
50 89 89 84-0015	LF		CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3).....	0.67	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For >25,000 LF, Deduct</i>	-0.10	
50 89 89 84-0016	LF		CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1).....	0.58	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For >25,000 LF, Deduct</i>	-0.09	
50 89 89 84-0017	LF		CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3).....	0.73	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For >25,000 LF, Deduct</i>	-0.11	
50 89 89 84-0018	LF		CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.51	
			<i>For Up To 5,000 LF, Add</i>	0.10	
			<i>For >25,000 LF, Deduct</i>	-0.08	
50 89 89 84-0019	LF		CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7).....	0.73	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For >25,000 LF, Deduct</i>	-0.11	
50 89 89 84-0020	LF		CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12).....	0.87	
			<i>For Up To 5,000 LF, Add</i>	0.17	
			<i>For >25,000 LF, Deduct</i>	-0.13	
50 89 89 84-0021	LF		CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4).....	0.73	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For >25,000 LF, Deduct</i>	-0.11	
50 89 89 84-0022	LF		CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.90	
			<i>For Up To 5,000 LF, Add</i>	0.18	
			<i>For >25,000 LF, Deduct</i>	-0.14	
50 89 89 84-0023	SF		CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING	9.45	
50 89 89 84-0024	SF		CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS.....	6.77	
50 89 89 84-0025	LF		CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide	0.34	
			<i>For Up To 5,000 LF, Add</i>	0.07	
			<i>For >25,000 LF, Deduct</i>	-0.05	
50 89 89 84-0026	LF		CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide	0.43	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For >25,000 LF, Deduct</i>	-0.06	
50 89 89 84-0027	LF		CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide	0.55	
			<i>For Up To 5,000 LF, Add</i>	0.11	
			<i>For >25,000 LF, Deduct</i>	-0.08	
50 89 89 84-0028	LF		CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide	0.66	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For >25,000 LF, Deduct</i>	-0.10	
50 89 89 84-0029	LF		CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide	0.84	
			<i>For Up To 5,000 LF, Add</i>	0.17	
			<i>For >25,000 LF, Deduct</i>	-0.13	
50 89 89 84-0030	LF		CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide	1.09	
			<i>For Up To 5,000 LF, Add</i>	0.22	
			<i>For >25,000 LF, Deduct</i>	-0.16	
50 89 89 84-0031	SF		CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT)	6.62	
50 89 89 84-0032	SF		CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT)	10.06	
50 89 89 84-0033	LF		CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE.....	2.24	
			<i>For Up To 250, Add</i>	1.12	
			<i>For >250 To 1,000, Add</i>	0.56	
			<i>For >5,000 To 10,000, Deduct</i>	-0.34	
			<i>For >10,000 To 25,000, Deduct</i>	-0.56	
			<i>For >25,000 To 50,000, Deduct</i>	-0.78	
			<i>For >50,000, Deduct</i>	-0.90	
50 89 89 84-0034	SF		CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING	3.85	
			<i>For Up To 250, Add</i>	1.93	
			<i>For >250 To 1,000, Add</i>	0.96	
			<i>For >5,000 To 10,000, Deduct</i>	-0.58	
			<i>For >10,000 To 25,000, Deduct</i>	-0.96	
			<i>For >25,000 To 50,000, Deduct</i>	-1.35	
			<i>For >50,000, Deduct</i>	-1.54	
50 89 89 84-0035	LF		CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE.....	3.39	
			<i>For Up To 250, Add</i>	1.70	
			<i>For >250 To 1,000, Add</i>	0.85	
			<i>For >5,000 To 10,000, Deduct</i>	-0.51	
			<i>For >10,000 To 25,000, Deduct</i>	-0.85	
			<i>For >25,000 To 50,000, Deduct</i>	-1.19	
			<i>For >50,000, Deduct</i>	-1.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0036 SF CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING	4.91	
<i>For Up To 250, Add</i>	2.46	
<i>For >250 To 1,000, Add</i>	1.23	
<i>For >5,000 To 10,000, Deduct</i>	-0.74	
<i>For >10,000 To 25,000, Deduct</i>	-1.23	
<i>For >25,000 To 50,000, Deduct</i>	-1.72	
<i>For >50,000, Deduct</i>	-1.96	

END OF SECTION 50

50 Custom Standards And Assemblies

50 89 CALTRANS Custom Standards And Assemblies

50 89 80 CALTRANS Construction Performance Requirements



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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